

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMARK

Report Number: P1067832

Luminaire Tested: **NAV-SA3D-830-U-RBC**

Issue Date: 08/07/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1067832  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 08/07/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NAV-SA3D-830-U-RBC  
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 3xLight Square PACKAGE  
80CRI 3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL  
Light Source: (42) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12540.3 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G2

Input Watts (W): 160.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

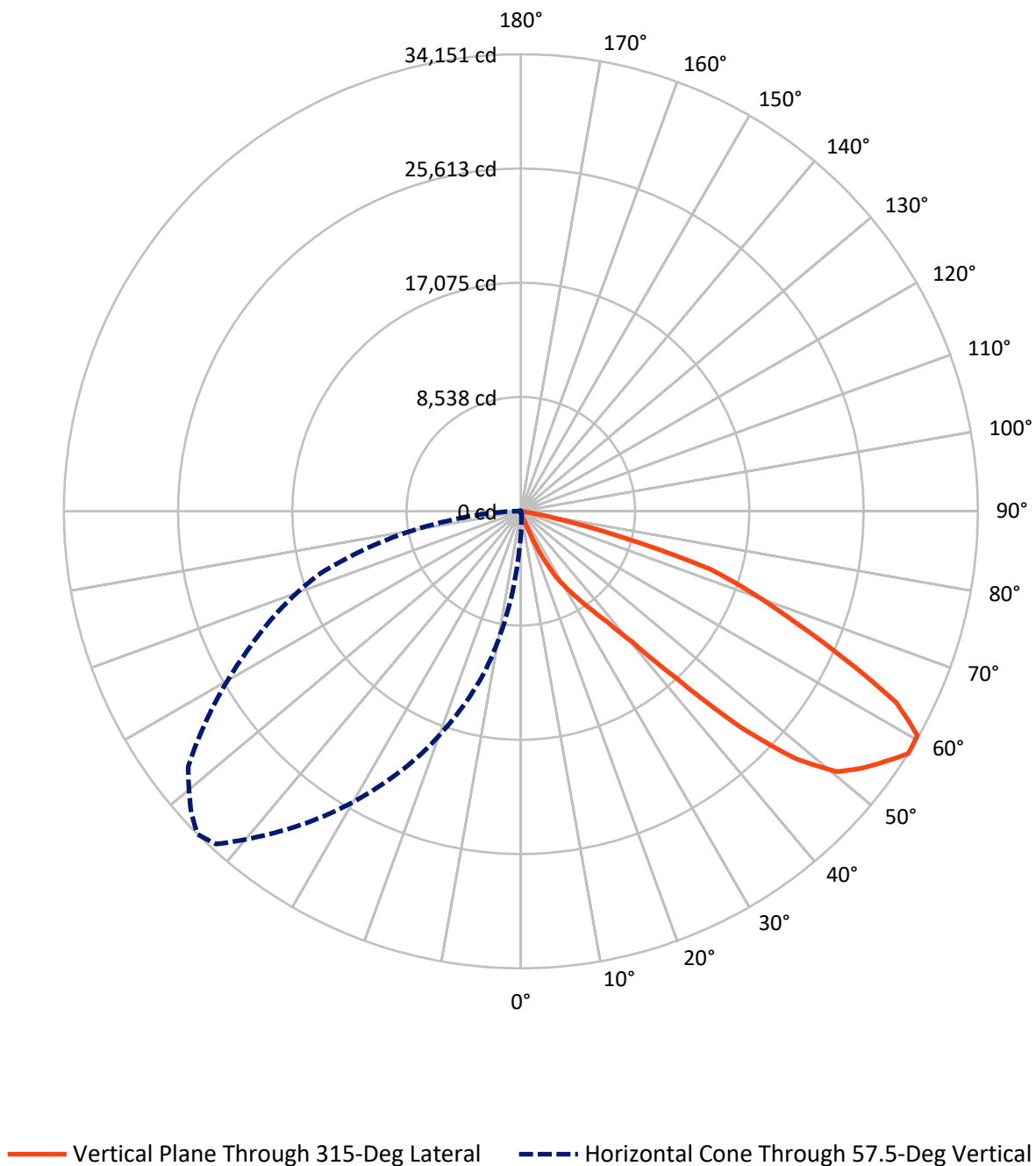




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## Luminous Intensity Polar Plot



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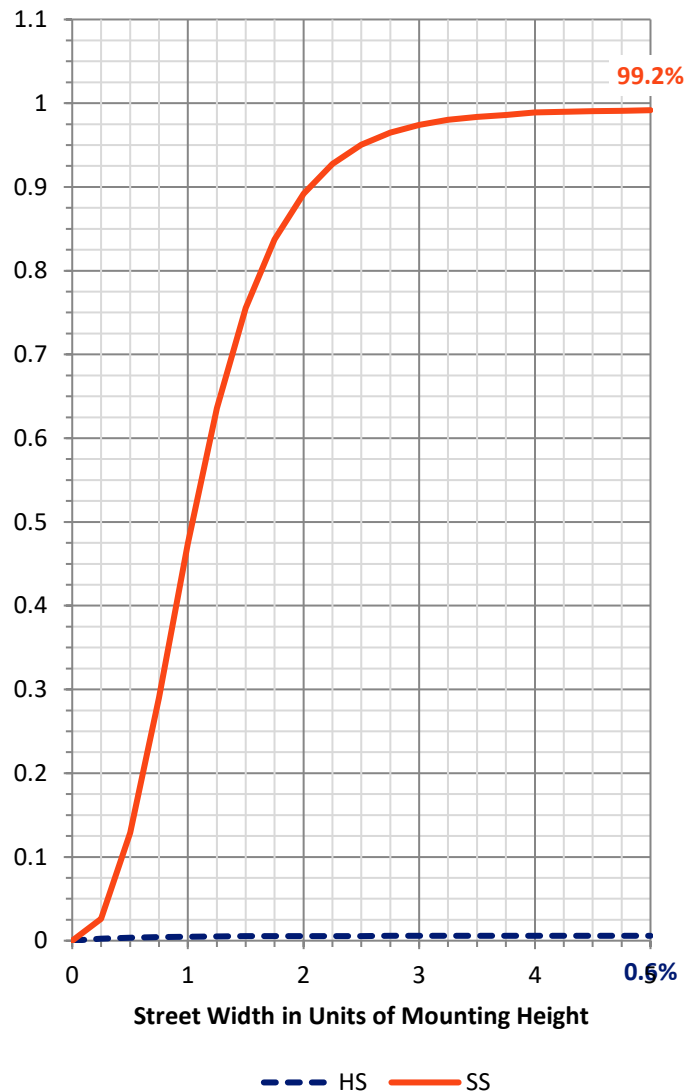
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 74.6     | 0.0    | 74.6    |
|                    | % Fixture | 0.6      | 0.0    | 0.6     |
| <b>Street Side</b> | Lumens    | 12465.7  | 0.0    | 12465.7 |
|                    | % Fixture | 99.4     | 0.0    | 99.4    |
| <b>Total</b>       | Lumens    | 12540.3  | 0.0    | 12540.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 3.7     | 0.0       |
| 10°-20°   | 18.4    | 0.1       |
| 20°-30°   | 234.1   | 1.9       |
| 30°-40°   | 788.8   | 6.3       |
| 40°-50°   | 2382.3  | 19.0      |
| 50°-60°   | 4203.1  | 33.5      |
| 60°-70°   | 3702.9  | 29.5      |
| 70°-80°   | 1178.7  | 9.4       |
| 80°-90°   | 28.4    | 0.2       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 12540.3 | 100.0     |
| 0°-180°   | 12540.3 | 100.0     |



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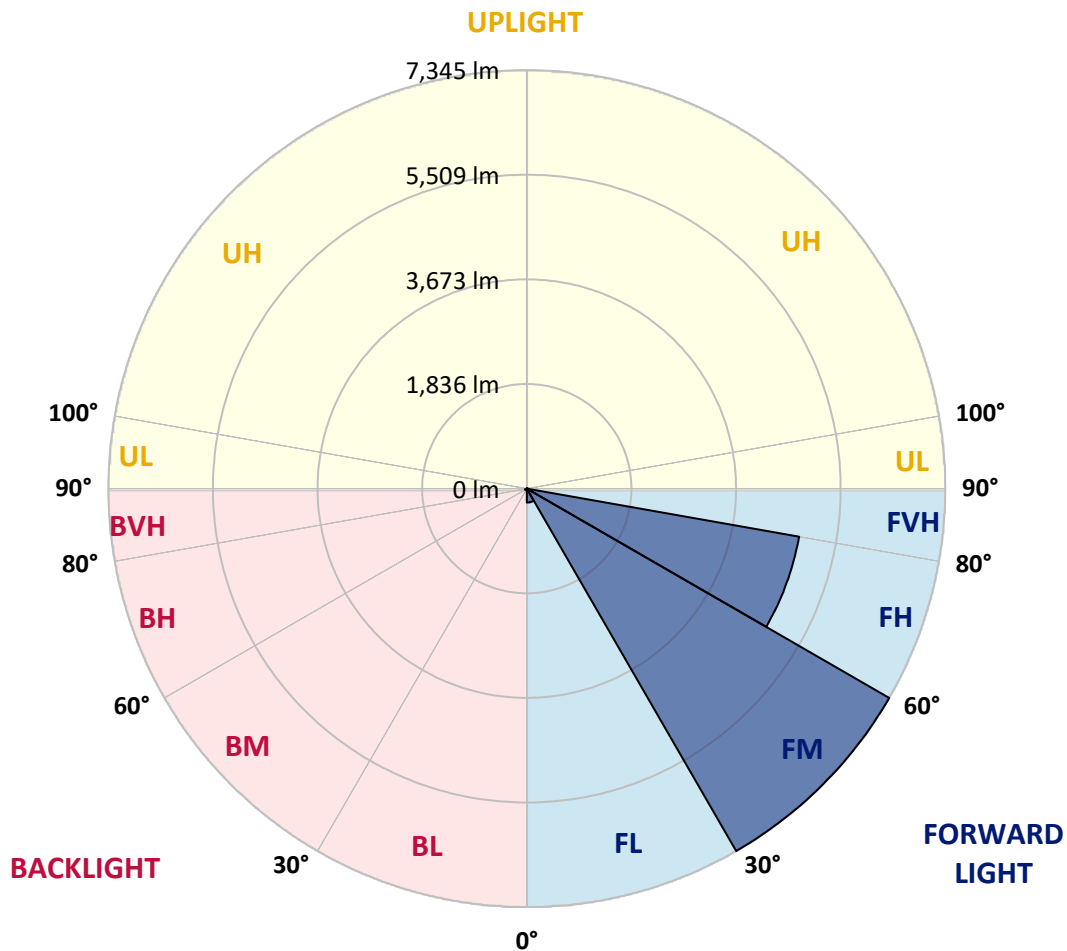
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 245.0  | 2.0       |                         |      |         |
| FM   | (30°-60°)   | 7345.3 | 58.6      |                         |      |         |
| FH   | (60°-80°)   | 4852.4 | 38.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 23.1   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 11.2   | 0.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 28.9   | 0.2       | B0/220                  |      |         |
| BH   | (60°-80°)   | 29.2   | 0.2       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 5.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G2**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 2.5°  | 5°    | 7.5°  | 10°   | 12.5° | 15°   | 17.5° | 20°   | 22.5° | 25°  |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0°     | 35.4   | 35.4  | 35.4  | 35.4  | 35.4  | 35.4  | 35.4  | 35.4  | 35.4  | 35.4  | 35.4 |
| 2.5°   | 31.5   | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5  | 27.5 |
| 5°     | 39.3   | 39.3  | 39.3  | 35.4  | 35.4  | 35.4  | 31.5  | 31.5  | 31.5  | 31.5  | 31.5 |
| 7.5°   | 47.2   | 43.3  | 43.3  | 39.3  | 39.3  | 39.3  | 35.4  | 35.4  | 35.4  | 35.4  | 31.5 |
| 10°    | 55.1   | 51.1  | 51.1  | 47.2  | 47.2  | 43.3  | 43.3  | 39.3  | 39.3  | 35.4  | 35.4 |
| 12.5°  | 62.9   | 59.0  | 55.1  | 51.1  | 51.1  | 47.2  | 47.2  | 43.3  | 43.3  | 39.3  | 39.3 |
| 15°    | 70.8   | 66.9  | 62.9  | 59.0  | 55.1  | 55.1  | 51.1  | 47.2  | 43.3  | 43.3  | 39.3 |
| 17.5°  | 82.6   | 74.7  | 70.8  | 62.9  | 59.0  | 55.1  | 51.1  | 47.2  | 47.2  | 43.3  | 43.3 |
| 20°    | 86.5   | 78.7  | 74.7  | 66.9  | 62.9  | 59.0  | 55.1  | 51.1  | 47.2  | 47.2  | 43.3 |
| 22.5°  | 102.2  | 86.5  | 82.6  | 74.7  | 70.8  | 66.9  | 59.0  | 55.1  | 51.1  | 47.2  | 43.3 |
| 25°    | 125.8  | 102.2 | 90.5  | 78.7  | 74.7  | 66.9  | 62.9  | 55.1  | 51.1  | 47.2  | 43.3 |
| 27.5°  | 153.4  | 114.0 | 102.2 | 86.5  | 78.7  | 70.8  | 62.9  | 55.1  | 51.1  | 47.2  | 43.3 |
| 30°    | 188.8  | 133.7 | 114.0 | 94.4  | 86.5  | 78.7  | 66.9  | 59.0  | 55.1  | 51.1  | 43.3 |
| 32.5°  | 263.5  | 165.2 | 133.7 | 102.2 | 90.5  | 82.6  | 70.8  | 59.0  | 55.1  | 51.1  | 43.3 |
| 35°    | 318.5  | 200.6 | 161.2 | 118.0 | 102.2 | 90.5  | 74.7  | 59.0  | 55.1  | 51.1  | 43.3 |
| 37.5°  | 369.7  | 204.5 | 165.2 | 125.8 | 110.1 | 94.4  | 74.7  | 59.0  | 55.1  | 51.1  | 43.3 |
| 40°    | 452.3  | 212.4 | 165.2 | 118.0 | 106.2 | 90.5  | 78.7  | 62.9  | 59.0  | 51.1  | 47.2 |
| 42.5°  | 609.6  | 243.8 | 177.0 | 110.1 | 98.3  | 90.5  | 78.7  | 66.9  | 59.0  | 55.1  | 47.2 |
| 45°    | 1014.6 | 361.8 | 239.9 | 114.0 | 102.2 | 90.5  | 78.7  | 66.9  | 62.9  | 55.1  | 51.1 |
| 47.5°  | 1726.4 | 629.2 | 373.6 | 118.0 | 106.2 | 90.5  | 78.7  | 62.9  | 59.0  | 55.1  | 47.2 |
| 50°    | 2210.1 | 806.2 | 471.9 | 137.6 | 118.0 | 102.2 | 82.6  | 62.9  | 59.0  | 55.1  | 51.1 |
| 52.5°  | 2347.8 | 857.3 | 511.2 | 161.2 | 137.6 | 114.0 | 86.5  | 62.9  | 59.0  | 59.0  | 55.1 |
| 55°    | 2151.1 | 833.7 | 511.2 | 188.8 | 157.3 | 129.8 | 98.3  | 66.9  | 62.9  | 62.9  | 59.0 |
| 57.5°  | 1828.7 | 770.8 | 487.6 | 204.5 | 173.0 | 137.6 | 106.2 | 70.8  | 66.9  | 66.9  | 62.9 |
| 60°    | 1506.2 | 648.9 | 440.5 | 228.1 | 192.7 | 157.3 | 121.9 | 86.5  | 82.6  | 78.7  | 70.8 |
| 62.5°  | 1195.5 | 523.0 | 385.4 | 243.8 | 208.4 | 169.1 | 133.7 | 94.4  | 90.5  | 86.5  | 82.6 |
| 65°    | 900.6  | 456.2 | 357.9 | 255.6 | 216.3 | 177.0 | 137.6 | 98.3  | 94.4  | 94.4  | 90.5 |
| 67.5°  | 692.1  | 416.9 | 342.1 | 263.5 | 224.2 | 184.8 | 145.5 | 106.2 | 102.2 | 98.3  | 94.4 |
| 70°    | 546.6  | 385.4 | 322.5 | 259.6 | 224.2 | 188.8 | 149.4 | 114.0 | 106.2 | 102.2 | 94.4 |
| 72.5°  | 456.2  | 350.0 | 298.9 | 247.8 | 220.2 | 192.7 | 165.2 | 137.6 | 121.9 | 110.1 | 94.4 |
| 75°    | 381.5  | 314.6 | 271.4 | 224.2 | 204.5 | 188.8 | 169.1 | 149.4 | 129.8 | 110.1 | 90.5 |
| 77.5°  | 251.7  | 228.1 | 208.4 | 188.8 | 177.0 | 165.2 | 149.4 | 137.6 | 118.0 | 102.2 | 82.6 |
| 80°    | 106.2  | 98.3  | 102.2 | 102.2 | 102.2 | 102.2 | 98.3  | 98.3  | 86.5  | 74.7  | 59.0 |
| 82.5°  | 23.6   | 19.7  | 23.6  | 23.6  | 23.6  | 23.6  | 19.7  | 19.7  | 19.7  | 15.7  | 15.7 |
| 85°    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 87.5°  | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 90°    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 92.5°  | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 95°    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 97.5°  | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 100°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 102.5° | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 105°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 107.5° | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |
| 110°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|--------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 112.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 115°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 117.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 120°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 122.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 125°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 127.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 130°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 132.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 135°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 137.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 140°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 142.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 145°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 147.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 150°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 152.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 155°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 157.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 160°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 162.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 165°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 167.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 170°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 172.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 175°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 177.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 180°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30°  | 32.5° | 35°  | 37.5° | 40°  | 42.5° | 45°  | 47.5° | 50°  | 52.5° |
|--------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 0°     | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  |
| 2.5°   | 27.5  | 27.5 | 27.5  | 27.5 | 27.5  | 27.5 | 27.5  | 27.5 | 27.5  | 27.5 | 27.5  |
| 5°     | 31.5  | 31.5 | 31.5  | 27.5 | 27.5  | 27.5 | 27.5  | 27.5 | 27.5  | 27.5 | 27.5  |
| 7.5°   | 31.5  | 31.5 | 31.5  | 27.5 | 27.5  | 27.5 | 27.5  | 23.6 | 23.6  | 23.6 | 23.6  |
| 10°    | 31.5  | 31.5 | 31.5  | 27.5 | 27.5  | 27.5 | 27.5  | 23.6 | 23.6  | 23.6 | 23.6  |
| 12.5°  | 35.4  | 35.4 | 31.5  | 31.5 | 27.5  | 27.5 | 27.5  | 23.6 | 23.6  | 23.6 | 23.6  |
| 15°    | 35.4  | 35.4 | 31.5  | 31.5 | 27.5  | 27.5 | 27.5  | 23.6 | 23.6  | 23.6 | 23.6  |
| 17.5°  | 39.3  | 35.4 | 35.4  | 31.5 | 27.5  | 27.5 | 27.5  | 23.6 | 23.6  | 23.6 | 23.6  |
| 20°    | 39.3  | 35.4 | 35.4  | 31.5 | 27.5  | 27.5 | 27.5  | 23.6 | 23.6  | 23.6 | 23.6  |
| 22.5°  | 39.3  | 35.4 | 35.4  | 31.5 | 27.5  | 27.5 | 23.6  | 23.6 | 19.7  | 19.7 | 15.7  |
| 25°    | 39.3  | 35.4 | 35.4  | 31.5 | 27.5  | 27.5 | 23.6  | 23.6 | 19.7  | 15.7 | 15.7  |
| 27.5°  | 39.3  | 35.4 | 35.4  | 31.5 | 27.5  | 23.6 | 23.6  | 19.7 | 15.7  | 11.8 | 11.8  |
| 30°    | 39.3  | 35.4 | 35.4  | 31.5 | 27.5  | 23.6 | 19.7  | 15.7 | 11.8  | 11.8 | 7.9   |
| 32.5°  | 39.3  | 35.4 | 31.5  | 27.5 | 23.6  | 19.7 | 19.7  | 15.7 | 11.8  | 7.9  | 7.9   |
| 35°    | 39.3  | 35.4 | 31.5  | 27.5 | 23.6  | 19.7 | 19.7  | 15.7 | 11.8  | 7.9  | 7.9   |
| 37.5°  | 39.3  | 35.4 | 31.5  | 27.5 | 23.6  | 19.7 | 15.7  | 11.8 | 7.9   | 7.9  | 3.9   |
| 40°    | 39.3  | 35.4 | 31.5  | 27.5 | 23.6  | 19.7 | 15.7  | 11.8 | 7.9   | 7.9  | 3.9   |
| 42.5°  | 39.3  | 35.4 | 31.5  | 27.5 | 23.6  | 19.7 | 15.7  | 11.8 | 7.9   | 7.9  | 3.9   |
| 45°    | 43.3  | 39.3 | 35.4  | 27.5 | 23.6  | 19.7 | 19.7  | 15.7 | 11.8  | 7.9  | 7.9   |
| 47.5°  | 43.3  | 39.3 | 35.4  | 27.5 | 23.6  | 19.7 | 19.7  | 15.7 | 11.8  | 7.9  | 7.9   |
| 50°    | 47.2  | 43.3 | 39.3  | 31.5 | 27.5  | 23.6 | 19.7  | 11.8 | 7.9   | 7.9  | 3.9   |
| 52.5°  | 51.1  | 47.2 | 43.3  | 39.3 | 35.4  | 27.5 | 19.7  | 11.8 | 3.9   | 3.9  | 3.9   |
| 55°    | 55.1  | 51.1 | 51.1  | 47.2 | 43.3  | 31.5 | 23.6  | 11.8 | 0.0   | 0.0  | 0.0   |
| 57.5°  | 59.0  | 55.1 | 55.1  | 51.1 | 47.2  | 35.4 | 23.6  | 11.8 | 0.0   | 0.0  | 0.0   |
| 60°    | 66.9  | 62.9 | 59.0  | 51.1 | 47.2  | 35.4 | 23.6  | 11.8 | 0.0   | 0.0  | 0.0   |
| 62.5°  | 78.7  | 70.8 | 59.0  | 51.1 | 39.3  | 31.5 | 19.7  | 11.8 | 0.0   | 0.0  | 0.0   |
| 65°    | 86.5  | 74.7 | 62.9  | 47.2 | 35.4  | 27.5 | 19.7  | 7.9  | 0.0   | 0.0  | 0.0   |
| 67.5°  | 90.5  | 74.7 | 62.9  | 47.2 | 31.5  | 23.6 | 15.7  | 7.9  | 0.0   | 0.0  | 0.0   |
| 70°    | 86.5  | 70.8 | 59.0  | 43.3 | 27.5  | 19.7 | 15.7  | 7.9  | 0.0   | 0.0  | 0.0   |
| 72.5°  | 78.7  | 66.9 | 51.1  | 39.3 | 23.6  | 19.7 | 11.8  | 7.9  | 0.0   | 0.0  | 0.0   |
| 75°    | 70.8  | 59.0 | 43.3  | 31.5 | 15.7  | 11.8 | 7.9   | 3.9  | 0.0   | 0.0  | 0.0   |
| 77.5°  | 62.9  | 51.1 | 35.4  | 23.6 | 7.9   | 7.9  | 3.9   | 3.9  | 0.0   | 0.0  | 0.0   |
| 80°    | 47.2  | 35.4 | 23.6  | 11.8 | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 82.5°  | 11.8  | 7.9  | 7.9   | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 85°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 87.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 90°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 92.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 95°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 97.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 100°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 102.5° | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 105°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 107.5° | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |
| 110°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 112.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 115°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 117.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 120°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 122.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 125°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 127.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 130°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 132.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 135°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 137.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 140°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 142.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 145°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 147.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 150°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 152.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 155°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 157.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 160°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 162.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 165°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 167.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 170°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 172.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 175°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 177.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |
| 180°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 55°  | 57.5° | 60°  | 62.5° | 65°  | 67.5° | 70°  | 72.5° | 75°  | 77.5° | 80°  |
|--------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 0°     | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 |
| 2.5°   | 23.6 | 23.6  | 23.6 | 23.6  | 23.6 | 23.6  | 23.6 | 23.6  | 23.6 | 23.6  | 23.6 |
| 5°     | 23.6 | 23.6  | 23.6 | 23.6  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 |
| 7.5°   | 23.6 | 23.6  | 23.6 | 23.6  | 19.7 | 19.7  | 19.7 | 19.7  | 15.7 | 15.7  | 15.7 |
| 10°    | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 15.7 | 15.7  | 15.7 |
| 12.5°  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 15.7 | 15.7  | 15.7 |
| 15°    | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 15.7  | 15.7 | 11.8  | 11.8 |
| 17.5°  | 19.7 | 19.7  | 19.7 | 19.7  | 15.7 | 15.7  | 15.7 | 11.8  | 11.8 | 7.9   | 7.9  |
| 20°    | 19.7 | 19.7  | 19.7 | 15.7  | 15.7 | 11.8  | 11.8 | 7.9   | 7.9  | 3.9   | 3.9  |
| 22.5°  | 15.7 | 11.8  | 11.8 | 7.9   | 7.9  | 3.9   | 3.9  | 3.9   | 0.0  | 0.0   | 0.0  |
| 25°    | 11.8 | 7.9   | 7.9  | 3.9   | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 27.5°  | 7.9  | 3.9   | 3.9  | 3.9   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 30°    | 7.9  | 3.9   | 3.9  | 3.9   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 32.5°  | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 35°    | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 37.5°  | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 40°    | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 42.5°  | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 45°    | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 47.5°  | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 50°    | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 52.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 55°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 57.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 60°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 62.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 65°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 67.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 70°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 72.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 75°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 77.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 80°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 82.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 85°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 87.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 90°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 92.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 95°    | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 97.5°  | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 100°   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 102.5° | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 105°   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 107.5° | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |
| 110°   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| 112.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 115°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 117.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 120°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 122.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 125°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 127.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 130°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 132.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 135°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 137.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 140°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 142.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 145°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 147.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 150°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 152.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 155°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 157.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 160°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 162.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 165°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 167.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 170°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 172.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 175°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 177.5° | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |
| 180°   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°  | 87.5° | 90°  | 92.5° | 95°  | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|
| 0°     | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4  | 35.4 | 35.4   | 35.4 | 35.4   |
| 2.5°   | 23.6  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7  | 19.7 | 19.7   | 19.7 | 19.7   |
| 5°     | 19.7  | 19.7 | 19.7  | 19.7 | 15.7  | 15.7 | 15.7  | 15.7 | 15.7   | 15.7 | 15.7   |
| 7.5°   | 15.7  | 15.7 | 15.7  | 15.7 | 15.7  | 15.7 | 11.8  | 11.8 | 11.8   | 11.8 | 11.8   |
| 10°    | 15.7  | 11.8 | 11.8  | 11.8 | 11.8  | 11.8 | 11.8  | 11.8 | 11.8   | 7.9  | 7.9    |
| 12.5°  | 15.7  | 11.8 | 11.8  | 11.8 | 7.9   | 7.9  | 7.9   | 7.9  | 7.9    | 3.9  | 3.9    |
| 15°    | 11.8  | 7.9  | 7.9   | 7.9  | 3.9   | 3.9  | 3.9   | 3.9  | 3.9    | 0.0  | 0.0    |
| 17.5°  | 7.9   | 3.9  | 3.9   | 3.9  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 20°    | 3.9   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 22.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 25°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 27.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 30°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 32.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 35°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 37.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 40°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 42.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 45°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 47.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 50°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 52.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 55°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 57.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 60°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 62.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 65°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 67.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 70°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 72.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 75°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 77.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 80°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 82.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 85°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 87.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 90°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 92.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 95°    | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 97.5°  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 100°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 102.5° | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 105°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 107.5° | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 110°   | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85° | 87.5° | 90° | 92.5° | 95° | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|------|--------|------|--------|
| 112.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 115°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 117.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 120°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 122.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 125°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 127.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 130°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 132.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 135°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 137.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 140°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 142.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 145°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 147.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 150°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 152.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 155°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 157.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 160°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 162.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 165°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 167.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 170°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 172.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 175°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 177.5° | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |
| 180°   | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 0°     | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 |
| 2.5°   | 19.7 | 19.7   | 19.7 | 19.7   | 19.7 | 19.7   | 19.7 | 19.7   | 19.7 | 23.6   | 23.6 |
| 5°     | 15.7 | 15.7   | 15.7 | 15.7   | 15.7 | 15.7   | 15.7 | 15.7   | 15.7 | 15.7   | 15.7 |
| 7.5°   | 11.8 | 11.8   | 11.8 | 11.8   | 11.8 | 11.8   | 11.8 | 11.8   | 11.8 | 11.8   | 11.8 |
| 10°    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 12.5°  | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 15°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 17.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 20°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 22.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 25°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 27.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 37.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 47.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 50°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 52.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 55°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 57.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 60°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 62.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 65°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 67.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 70°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 72.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 75°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 77.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 80°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 82.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 85°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 87.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 90°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 135°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 137.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 140°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 142.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 145°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 147.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 150°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 152.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 155°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 157.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 160°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 162.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 165°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 167.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 170°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 172.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 175°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 177.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 0°     | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   |
| 2.5°   | 23.6   | 23.6 | 23.6   | 23.6 | 23.6   | 27.5 | 27.5   | 31.5 | 31.5   | 35.4 | 35.4   |
| 5°     | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   | 19.7 | 23.6   | 23.6 | 23.6   | 27.5 | 27.5   |
| 7.5°   | 11.8   | 11.8 | 11.8   | 11.8 | 11.8   | 15.7 | 15.7   | 19.7 | 19.7   | 23.6 | 23.6   |
| 10°    | 3.9    | 3.9  | 7.9    | 7.9  | 7.9    | 7.9  | 11.8   | 11.8 | 11.8   | 15.7 | 19.7   |
| 12.5°  | 0.0    | 0.0  | 3.9    | 3.9  | 3.9    | 3.9  | 7.9    | 7.9  | 7.9    | 11.8 | 15.7   |
| 15°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 3.9    | 3.9  | 3.9    | 7.9  | 11.8   |
| 17.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 7.9    |
| 20°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    |
| 22.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 3.9    |
| 25°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 27.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 30°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 32.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 35°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 37.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 40°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 42.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 45°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 47.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 50°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 52.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 55°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 57.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 60°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 62.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 65°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 67.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 70°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 72.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 75°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 77.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 80°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 82.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 85°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 87.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 90°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 92.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 95°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 97.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 100°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 102.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 105°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 107.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 110°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 115°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 117.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 120°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 122.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 125°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 127.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 130°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 132.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 135°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 137.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 140°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 142.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 145°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 147.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 150°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 152.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 155°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 157.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 160°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 162.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 165°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 167.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 170°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 172.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 175°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 177.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 0°     | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 |
| 2.5°   | 39.3 | 39.3   | 43.3 | 43.3   | 47.2 | 47.2   | 51.1 | 51.1   | 51.1 | 51.1   | 51.1 |
| 5°     | 31.5 | 31.5   | 35.4 | 39.3   | 39.3 | 43.3   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 |
| 7.5°   | 27.5 | 27.5   | 31.5 | 35.4   | 35.4 | 39.3   | 43.3 | 43.3   | 47.2 | 47.2   | 47.2 |
| 10°    | 19.7 | 23.6   | 27.5 | 31.5   | 31.5 | 35.4   | 39.3 | 39.3   | 43.3 | 43.3   | 43.3 |
| 12.5°  | 15.7 | 19.7   | 23.6 | 27.5   | 27.5 | 31.5   | 35.4 | 35.4   | 39.3 | 39.3   | 43.3 |
| 15°    | 11.8 | 15.7   | 19.7 | 23.6   | 23.6 | 27.5   | 31.5 | 31.5   | 35.4 | 39.3   | 43.3 |
| 17.5°  | 7.9  | 11.8   | 15.7 | 19.7   | 19.7 | 23.6   | 27.5 | 31.5   | 35.4 | 35.4   | 39.3 |
| 20°    | 7.9  | 7.9    | 11.8 | 15.7   | 15.7 | 19.7   | 23.6 | 27.5   | 31.5 | 31.5   | 35.4 |
| 22.5°  | 3.9  | 3.9    | 7.9  | 11.8   | 11.8 | 15.7   | 19.7 | 23.6   | 27.5 | 27.5   | 31.5 |
| 25°    | 0.0  | 0.0    | 3.9  | 7.9    | 7.9  | 11.8   | 15.7 | 15.7   | 19.7 | 19.7   | 23.6 |
| 27.5°  | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 11.8 | 11.8   | 15.7 | 15.7   | 19.7 |
| 30°    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 11.8 | 11.8   | 15.7 | 15.7   | 15.7 |
| 32.5°  | 0.0  | 0.0    | 0.0  | 3.9    | 3.9  | 3.9    | 7.9  | 7.9    | 11.8 | 11.8   | 15.7 |
| 35°    | 0.0  | 0.0    | 0.0  | 3.9    | 3.9  | 3.9    | 7.9  | 7.9    | 11.8 | 11.8   | 11.8 |
| 37.5°  | 0.0  | 0.0    | 0.0  | 3.9    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  | 7.9    | 11.8 |
| 40°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 42.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 45°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 47.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 50°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 52.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 55°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 57.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 60°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 62.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 65°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 67.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 70°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 72.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  |
| 75°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 77.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 80°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 7.9  | 7.9    | 7.9  |
| 82.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  | 3.9    | 7.9  |
| 85°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 87.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 90°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 135°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 137.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 140°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 142.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 145°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 147.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 150°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 152.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 155°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 157.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 160°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 162.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 165°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 167.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 170°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 172.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 175°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 177.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 0°     | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   |
| 2.5°   | 55.1   | 55.1 | 55.1   | 55.1 | 55.1   | 55.1 | 55.1   | 55.1 | 55.1   | 51.1 | 51.1   |
| 5°     | 51.1   | 51.1 | 51.1   | 51.1 | 51.1   | 51.1 | 51.1   | 51.1 | 51.1   | 47.2 | 47.2   |
| 7.5°   | 51.1   | 51.1 | 51.1   | 51.1 | 51.1   | 51.1 | 51.1   | 51.1 | 51.1   | 47.2 | 47.2   |
| 10°    | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   |
| 12.5°  | 43.3   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   |
| 15°    | 43.3   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   |
| 17.5°  | 39.3   | 43.3 | 43.3   | 43.3 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   |
| 20°    | 35.4   | 39.3 | 39.3   | 39.3 | 43.3   | 43.3 | 43.3   | 43.3 | 47.2   | 47.2 | 47.2   |
| 22.5°  | 31.5   | 35.4 | 35.4   | 35.4 | 39.3   | 39.3 | 39.3   | 39.3 | 43.3   | 43.3 | 43.3   |
| 25°    | 27.5   | 27.5 | 31.5   | 31.5 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   |
| 27.5°  | 19.7   | 23.6 | 23.6   | 23.6 | 27.5   | 27.5 | 27.5   | 27.5 | 31.5   | 31.5 | 31.5   |
| 30°    | 19.7   | 19.7 | 19.7   | 19.7 | 23.6   | 23.6 | 23.6   | 23.6 | 27.5   | 27.5 | 27.5   |
| 32.5°  | 15.7   | 19.7 | 19.7   | 19.7 | 23.6   | 23.6 | 23.6   | 23.6 | 27.5   | 27.5 | 27.5   |
| 35°    | 15.7   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   | 19.7 | 23.6   | 23.6 | 23.6   |
| 37.5°  | 11.8   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   | 19.7 | 23.6   | 23.6 | 23.6   |
| 40°    | 11.8   | 11.8 | 11.8   | 11.8 | 15.7   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   |
| 42.5°  | 11.8   | 11.8 | 11.8   | 11.8 | 15.7   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   |
| 45°    | 11.8   | 11.8 | 11.8   | 11.8 | 15.7   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   |
| 47.5°  | 11.8   | 11.8 | 11.8   | 11.8 | 15.7   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   |
| 50°    | 11.8   | 11.8 | 11.8   | 11.8 | 15.7   | 15.7 | 15.7   | 15.7 | 19.7   | 19.7 | 19.7   |
| 52.5°  | 7.9    | 7.9  | 7.9    | 7.9  | 11.8   | 11.8 | 11.8   | 11.8 | 15.7   | 15.7 | 15.7   |
| 55°    | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 11.8   | 11.8 | 11.8   |
| 57.5°  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 11.8   | 11.8 | 11.8   |
| 60°    | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 62.5°  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    |
| 65°    | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 3.9  | 3.9    |
| 67.5°  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 70°    | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 72.5°  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 75°    | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 77.5°  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 80°    | 11.8   | 11.8 | 11.8   | 11.8 | 11.8   | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 82.5°  | 7.9    | 11.8 | 11.8   | 11.8 | 11.8   | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 85°    | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 87.5°  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    | 7.9  | 7.9    |
| 90°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 92.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 95°    | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 97.5°  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 100°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 102.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 105°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 107.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 110°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 115°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 117.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 120°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 122.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 125°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 127.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 130°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 132.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 135°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 137.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 140°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 142.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 145°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 147.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 150°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 152.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 155°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 157.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 160°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 162.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 165°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 167.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 170°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 172.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 175°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 177.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 0°     | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 | 35.4   | 35.4 |
| 2.5°   | 51.1 | 51.1   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 51.1   | 51.1 |
| 5°     | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 51.1   | 51.1 |
| 7.5°   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 47.2   | 47.2 | 51.1   | 51.1 |
| 10°    | 47.2 | 47.2   | 47.2 | 47.2   | 43.3 | 43.3   | 47.2 | 47.2   | 47.2 | 51.1   | 51.1 |
| 12.5°  | 47.2 | 47.2   | 47.2 | 47.2   | 43.3 | 43.3   | 47.2 | 47.2   | 51.1 | 51.1   | 55.1 |
| 15°    | 47.2 | 47.2   | 43.3 | 43.3   | 43.3 | 43.3   | 47.2 | 47.2   | 51.1 | 51.1   | 55.1 |
| 17.5°  | 47.2 | 47.2   | 43.3 | 43.3   | 43.3 | 43.3   | 47.2 | 47.2   | 51.1 | 51.1   | 55.1 |
| 20°    | 47.2 | 47.2   | 43.3 | 43.3   | 43.3 | 43.3   | 43.3 | 43.3   | 47.2 | 51.1   | 51.1 |
| 22.5°  | 43.3 | 43.3   | 43.3 | 43.3   | 39.3 | 39.3   | 43.3 | 43.3   | 47.2 | 51.1   | 51.1 |
| 25°    | 35.4 | 39.3   | 39.3 | 39.3   | 39.3 | 39.3   | 43.3 | 43.3   | 47.2 | 51.1   | 51.1 |
| 27.5°  | 31.5 | 35.4   | 35.4 | 35.4   | 35.4 | 39.3   | 39.3 | 43.3   | 47.2 | 51.1   | 51.1 |
| 30°    | 27.5 | 31.5   | 31.5 | 31.5   | 35.4 | 39.3   | 39.3 | 43.3   | 47.2 | 51.1   | 51.1 |
| 32.5°  | 27.5 | 31.5   | 31.5 | 31.5   | 35.4 | 35.4   | 39.3 | 39.3   | 43.3 | 47.2   | 51.1 |
| 35°    | 27.5 | 27.5   | 31.5 | 31.5   | 31.5 | 35.4   | 35.4 | 39.3   | 43.3 | 47.2   | 51.1 |
| 37.5°  | 27.5 | 27.5   | 31.5 | 31.5   | 31.5 | 35.4   | 35.4 | 39.3   | 43.3 | 47.2   | 51.1 |
| 40°    | 23.6 | 27.5   | 27.5 | 31.5   | 31.5 | 35.4   | 35.4 | 39.3   | 43.3 | 51.1   | 55.1 |
| 42.5°  | 23.6 | 23.6   | 27.5 | 27.5   | 31.5 | 35.4   | 35.4 | 39.3   | 43.3 | 51.1   | 55.1 |
| 45°    | 23.6 | 27.5   | 27.5 | 31.5   | 35.4 | 39.3   | 39.3 | 43.3   | 47.2 | 51.1   | 55.1 |
| 47.5°  | 23.6 | 27.5   | 27.5 | 31.5   | 39.3 | 39.3   | 43.3 | 43.3   | 47.2 | 51.1   | 55.1 |
| 50°    | 23.6 | 27.5   | 27.5 | 31.5   | 43.3 | 43.3   | 43.3 | 43.3   | 47.2 | 51.1   | 55.1 |
| 52.5°  | 19.7 | 23.6   | 23.6 | 27.5   | 35.4 | 39.3   | 43.3 | 47.2   | 51.1 | 55.1   | 59.0 |
| 55°    | 15.7 | 19.7   | 19.7 | 23.6   | 31.5 | 35.4   | 43.3 | 51.1   | 55.1 | 59.0   | 62.9 |
| 57.5°  | 15.7 | 15.7   | 19.7 | 19.7   | 27.5 | 35.4   | 47.2 | 55.1   | 59.0 | 62.9   | 66.9 |
| 60°    | 11.8 | 11.8   | 15.7 | 15.7   | 23.6 | 31.5   | 43.3 | 55.1   | 59.0 | 66.9   | 70.8 |
| 62.5°  | 7.9  | 11.8   | 11.8 | 15.7   | 19.7 | 31.5   | 43.3 | 55.1   | 62.9 | 70.8   | 74.7 |
| 65°    | 7.9  | 7.9    | 11.8 | 11.8   | 19.7 | 27.5   | 39.3 | 47.2   | 59.0 | 70.8   | 82.6 |
| 67.5°  | 11.8 | 11.8   | 15.7 | 15.7   | 19.7 | 27.5   | 39.3 | 47.2   | 59.0 | 74.7   | 86.5 |
| 70°    | 11.8 | 11.8   | 15.7 | 15.7   | 23.6 | 31.5   | 39.3 | 47.2   | 59.0 | 74.7   | 86.5 |
| 72.5°  | 11.8 | 11.8   | 15.7 | 15.7   | 23.6 | 27.5   | 35.4 | 43.3   | 55.1 | 66.9   | 78.7 |
| 75°    | 7.9  | 11.8   | 11.8 | 11.8   | 19.7 | 23.6   | 31.5 | 39.3   | 51.1 | 62.9   | 74.7 |
| 77.5°  | 7.9  | 7.9    | 7.9  | 7.9    | 15.7 | 19.7   | 27.5 | 31.5   | 43.3 | 55.1   | 66.9 |
| 80°    | 7.9  | 7.9    | 7.9  | 7.9    | 11.8 | 15.7   | 23.6 | 27.5   | 39.3 | 51.1   | 62.9 |
| 82.5°  | 7.9  | 7.9    | 3.9  | 3.9    | 7.9  | 11.8   | 15.7 | 19.7   | 31.5 | 39.3   | 51.1 |
| 85°    | 7.9  | 7.9    | 3.9  | 3.9    | 3.9  | 7.9    | 7.9  | 11.8   | 15.7 | 19.7   | 23.6 |
| 87.5°  | 7.9  | 7.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  | 3.9    | 3.9  |
| 90°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 92.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 95°    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 97.5°  | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 100°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 102.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 105°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 107.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 110°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 135°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 137.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 140°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 142.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 145°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 147.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 150°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 152.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 155°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 157.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 160°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 162.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 165°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 167.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 170°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 172.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 175°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 177.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 252.5° | 255°  | 257.5° | 260°  | 262.5° | 265°  | 267.5° | 270°  | 272.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 35.4   | 35.4  | 35.4   | 35.4  | 35.4   | 35.4  | 35.4   | 35.4  | 35.4   | 35.4  | 35.4   |
| 2.5°   | 51.1   | 51.1  | 55.1   | 55.1  | 55.1   | 55.1  | 55.1   | 55.1  | 55.1   | 55.1  | 55.1   |
| 5°     | 51.1   | 55.1  | 55.1   | 59.0  | 59.0   | 59.0  | 62.9   | 62.9  | 62.9   | 62.9  | 62.9   |
| 7.5°   | 51.1   | 55.1  | 55.1   | 59.0  | 59.0   | 59.0  | 62.9   | 62.9  | 62.9   | 66.9  | 66.9   |
| 10°    | 51.1   | 55.1  | 55.1   | 59.0  | 59.0   | 62.9  | 66.9   | 66.9  | 70.8   | 70.8  | 70.8   |
| 12.5°  | 55.1   | 59.0  | 59.0   | 62.9  | 62.9   | 66.9  | 70.8   | 70.8  | 74.7   | 78.7  | 78.7   |
| 15°    | 55.1   | 59.0  | 62.9   | 62.9  | 66.9   | 70.8  | 74.7   | 74.7  | 78.7   | 82.6  | 86.5   |
| 17.5°  | 55.1   | 59.0  | 62.9   | 62.9  | 66.9   | 70.8  | 78.7   | 82.6  | 86.5   | 94.4  | 98.3   |
| 20°    | 55.1   | 59.0  | 62.9   | 62.9  | 66.9   | 74.7  | 78.7   | 86.5  | 90.5   | 98.3  | 106.2  |
| 22.5°  | 55.1   | 59.0  | 62.9   | 66.9  | 70.8   | 78.7  | 86.5   | 90.5  | 98.3   | 110.1 | 118.0  |
| 25°    | 55.1   | 59.0  | 62.9   | 66.9  | 70.8   | 78.7  | 86.5   | 94.4  | 102.2  | 118.0 | 133.7  |
| 27.5°  | 55.1   | 59.0  | 66.9   | 70.8  | 74.7   | 82.6  | 94.4   | 102.2 | 110.1  | 137.6 | 165.2  |
| 30°    | 55.1   | 59.0  | 66.9   | 70.8  | 74.7   | 86.5  | 98.3   | 106.2 | 118.0  | 165.2 | 208.4  |
| 32.5°  | 55.1   | 62.9  | 66.9   | 74.7  | 78.7   | 90.5  | 106.2  | 118.0 | 129.8  | 196.6 | 259.6  |
| 35°    | 55.1   | 62.9  | 66.9   | 74.7  | 78.7   | 94.4  | 110.1  | 125.8 | 141.6  | 239.9 | 338.2  |
| 37.5°  | 55.1   | 62.9  | 66.9   | 74.7  | 78.7   | 102.2 | 125.8  | 149.4 | 173.0  | 275.3 | 377.5  |
| 40°    | 59.0   | 66.9  | 70.8   | 78.7  | 82.6   | 106.2 | 129.8  | 153.4 | 177.0  | 279.2 | 381.5  |
| 42.5°  | 59.0   | 66.9  | 70.8   | 78.7  | 82.6   | 102.2 | 125.8  | 145.5 | 165.2  | 279.2 | 393.3  |
| 45°    | 59.0   | 66.9  | 74.7   | 78.7  | 86.5   | 106.2 | 125.8  | 141.6 | 161.2  | 306.7 | 448.3  |
| 47.5°  | 59.0   | 66.9  | 74.7   | 78.7  | 86.5   | 106.2 | 125.8  | 145.5 | 165.2  | 405.1 | 641.0  |
| 50°    | 59.0   | 66.9  | 74.7   | 78.7  | 86.5   | 110.1 | 133.7  | 157.3 | 180.9  | 605.6 | 1030.3 |
| 52.5°  | 62.9   | 66.9  | 74.7   | 78.7  | 82.6   | 110.1 | 137.6  | 165.2 | 192.7  | 786.5 | 1376.4 |
| 55°    | 66.9   | 70.8  | 74.7   | 78.7  | 82.6   | 118.0 | 153.4  | 188.8 | 224.2  | 845.5 | 1462.9 |
| 57.5°  | 70.8   | 74.7  | 78.7   | 78.7  | 82.6   | 125.8 | 173.0  | 216.3 | 259.6  | 841.6 | 1419.7 |
| 60°    | 74.7   | 78.7  | 82.6   | 86.5  | 90.5   | 133.7 | 180.9  | 224.2 | 267.4  | 762.9 | 1258.4 |
| 62.5°  | 82.6   | 90.5  | 98.3   | 102.2 | 110.1  | 153.4 | 192.7  | 236.0 | 275.3  | 625.3 | 971.4  |
| 65°    | 94.4   | 102.2 | 106.2  | 114.0 | 118.0  | 157.3 | 200.6  | 239.9 | 279.2  | 519.1 | 755.1  |
| 67.5°  | 98.3   | 106.2 | 110.1  | 118.0 | 121.9  | 161.2 | 200.6  | 239.9 | 279.2  | 440.5 | 597.8  |
| 70°    | 98.3   | 106.2 | 114.0  | 118.0 | 125.8  | 165.2 | 200.6  | 239.9 | 275.3  | 381.5 | 487.6  |
| 72.5°  | 90.5   | 102.2 | 110.1  | 121.9 | 129.8  | 165.2 | 196.6  | 232.0 | 263.5  | 338.2 | 412.9  |
| 75°    | 86.5   | 102.2 | 114.0  | 129.8 | 141.6  | 165.2 | 192.7  | 216.3 | 239.9  | 294.9 | 350.0  |
| 77.5°  | 78.7   | 98.3  | 118.0  | 137.6 | 157.3  | 173.0 | 184.8  | 200.6 | 212.4  | 247.8 | 283.1  |
| 80°    | 74.7   | 94.4  | 114.0  | 133.7 | 153.4  | 161.2 | 165.2  | 173.0 | 177.0  | 180.9 | 184.8  |
| 82.5°  | 59.0   | 74.7  | 90.5   | 102.2 | 118.0  | 110.1 | 106.2  | 98.3  | 90.5   | 86.5  | 82.6   |
| 85°    | 27.5   | 31.5  | 31.5   | 35.4  | 35.4   | 35.4  | 31.5   | 31.5  | 27.5   | 23.6  | 19.7   |
| 87.5°  | 3.9    | 3.9   | 3.9    | 3.9   | 3.9    | 3.9   | 3.9    | 3.9   | 3.9    | 3.9   | 3.9    |
| 90°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 92.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 95°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 97.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 100°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 102.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 105°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 107.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 110°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265° | 267.5° | 270° | 272.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 115°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 117.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 120°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 122.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 125°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 127.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 130°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 132.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 135°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 137.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 140°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 142.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 145°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 147.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 150°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 152.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 155°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 157.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 160°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 162.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 165°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 167.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 170°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 172.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 175°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 177.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 277.5° | 280°   | 282.5°  | 285°    | 287.5°  | 290°    | 292.5°  | 295°    | 297.5°  | 300°    |
|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 35.4   | 35.4   | 35.4   | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    |
| 2.5°   | 55.1   | 55.1   | 55.1   | 55.1    | 51.1    | 51.1    | 51.1    | 51.1    | 47.2    | 47.2    | 47.2    |
| 5°     | 62.9   | 62.9   | 62.9   | 62.9    | 59.0    | 59.0    | 59.0    | 59.0    | 55.1    | 55.1    | 55.1    |
| 7.5°   | 66.9   | 66.9   | 66.9   | 66.9    | 66.9    | 66.9    | 66.9    | 66.9    | 66.9    | 66.9    | 66.9    |
| 10°    | 74.7   | 74.7   | 74.7   | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    |
| 12.5°  | 82.6   | 82.6   | 86.5   | 86.5    | 90.5    | 90.5    | 94.4    | 94.4    | 98.3    | 98.3    | 98.3    |
| 15°    | 90.5   | 94.4   | 98.3   | 102.2   | 102.2   | 106.2   | 110.1   | 114.0   | 118.0   | 121.9   | 125.8   |
| 17.5°  | 106.2  | 110.1  | 118.0  | 125.8   | 133.7   | 141.6   | 153.4   | 169.1   | 180.9   | 192.7   | 208.4   |
| 20°    | 118.0  | 129.8  | 153.4  | 180.9   | 204.5   | 228.1   | 287.1   | 346.1   | 405.1   | 464.0   | 523.0   |
| 22.5°  | 141.6  | 165.2  | 243.8  | 326.4   | 405.1   | 483.7   | 668.5   | 853.4   | 1034.3  | 1219.1  | 1384.3  |
| 25°    | 188.8  | 239.9  | 420.8  | 601.7   | 778.7   | 959.6   | 1289.9  | 1624.2  | 1954.5  | 2284.9  | 2591.6  |
| 27.5°  | 259.6  | 353.9  | 648.9  | 947.8   | 1242.7  | 1537.7  | 2017.4  | 2501.2  | 2980.9  | 3464.6  | 3893.3  |
| 30°    | 361.8  | 515.2  | 955.6  | 1400.0  | 1840.5  | 2280.9  | 2886.5  | 3496.1  | 4101.7  | 4707.4  | 5100.6  |
| 32.5°  | 491.6  | 719.7  | 1278.1 | 1836.5  | 2395.0  | 2953.4  | 3621.9  | 4290.5  | 4955.1  | 5623.7  | 6040.5  |
| 35°    | 629.2  | 920.2  | 1592.7 | 2269.1  | 2941.6  | 3618.0  | 4322.0  | 5025.9  | 5729.8  | 6433.8  | 6945.0  |
| 37.5°  | 707.9  | 1038.2 | 1836.5 | 2634.9  | 3429.3  | 4227.6  | 4998.4  | 5773.1  | 6543.9  | 7314.7  | 7936.0  |
| 40°    | 782.6  | 1179.8 | 2100.0 | 3020.3  | 3940.5  | 4860.7  | 5761.3  | 6661.9  | 7562.4  | 8463.0  | 9261.3  |
| 42.5°  | 892.7  | 1392.1 | 2465.8 | 3539.4  | 4609.0  | 5682.6  | 6866.4  | 8054.0  | 9237.7  | 10421.5 | 11648.4 |
| 45°    | 1120.8 | 1793.3 | 3185.4 | 4577.6  | 5965.8  | 7357.9  | 9037.2  | 10720.3 | 12399.6 | 14082.7 | 15655.8 |
| 47.5°  | 1671.4 | 2697.8 | 4597.2 | 6496.7  | 8396.2  | 10295.6 | 12230.5 | 14165.3 | 16100.2 | 18035.0 | 19907.0 |
| 50°    | 2587.7 | 4141.1 | 6516.4 | 8891.7  | 11263.0 | 13638.3 | 15569.3 | 17500.2 | 19427.2 | 21358.1 | 23218.2 |
| 52.5°  | 3448.9 | 5521.4 | 8073.7 | 10629.9 | 13182.2 | 15738.4 | 17449.1 | 19159.8 | 20870.4 | 22581.1 | 24382.3 |
| 55°    | 3743.9 | 6020.9 | 8604.6 | 11192.3 | 13776.0 | 16363.7 | 18011.4 | 19663.1 | 21310.9 | 22958.7 | 24826.7 |
| 57.5°  | 3484.3 | 5548.9 | 8152.3 | 10755.7 | 13355.2 | 15958.6 | 17799.1 | 19643.5 | 21483.9 | 23328.3 | 25330.0 |
| 60°    | 2918.0 | 4573.6 | 7306.8 | 10043.9 | 12777.1 | 15510.3 | 17586.7 | 19663.1 | 21739.6 | 23816.0 | 25813.8 |
| 62.5°  | 2312.4 | 3649.5 | 6543.9 | 9438.3  | 12332.7 | 15227.1 | 17338.9 | 19454.7 | 21566.5 | 23678.3 | 25212.1 |
| 65°    | 1773.6 | 2792.2 | 5639.4 | 8490.5  | 11337.8 | 14188.9 | 15919.3 | 17653.6 | 19383.9 | 21118.2 | 22180.0 |
| 67.5°  | 1317.4 | 2037.1 | 4526.5 | 7019.7  | 9509.1  | 11998.4 | 13272.6 | 14550.7 | 15824.9 | 17103.0 | 17928.8 |
| 70°    | 971.4  | 1451.1 | 3146.1 | 4841.1  | 6532.1  | 8227.1  | 9395.0  | 10563.0 | 11727.1 | 12895.1 | 13752.4 |
| 72.5°  | 672.5  | 928.1  | 1942.7 | 2961.3  | 3975.9  | 4990.5  | 6174.2  | 7357.9  | 8537.7  | 9721.5  | 10696.7 |
| 75°    | 460.1  | 570.2  | 1046.1 | 1521.9  | 1997.8  | 2473.6  | 3370.3  | 4266.9  | 5163.5  | 6060.2  | 6575.4  |
| 77.5°  | 342.1  | 401.1  | 542.7  | 688.2   | 829.8   | 971.4   | 1144.4  | 1317.4  | 1490.5  | 1663.5  | 1887.7  |
| 80°    | 188.8  | 188.8  | 208.4  | 224.2   | 243.8   | 259.6   | 306.7   | 357.9   | 405.1   | 456.2   | 519.1   |
| 82.5°  | 86.5   | 90.5   | 98.3   | 106.2   | 110.1   | 118.0   | 125.8   | 133.7   | 141.6   | 149.4   | 149.4   |
| 85°    | 23.6   | 27.5   | 27.5   | 23.6    | 23.6    | 19.7    | 19.7    | 23.6    | 23.6    | 23.6    | 23.6    |
| 87.5°  | 3.9    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 277.5° | 280° | 282.5° | 285° | 287.5° | 290° | 292.5° | 295° | 297.5° | 300° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 135°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 137.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 140°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 142.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 145°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 147.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 150°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 152.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 155°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 157.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 160°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 162.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 165°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 167.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 170°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 172.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 175°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 177.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 302.5°  | 305°    | 307.5°  | 310°    | 312.5°  | 315°    | 317.5°  | 320°    | 322.5°  | 325°    | 327.5°  |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    |
| 2.5°   | 47.2    | 43.3    | 43.3    | 43.3    | 39.3    | 39.3    | 39.3    | 39.3    | 39.3    | 39.3    | 39.3    |
| 5°     | 55.1    | 55.1    | 55.1    | 55.1    | 51.1    | 51.1    | 51.1    | 51.1    | 51.1    | 47.2    | 47.2    |
| 7.5°   | 66.9    | 62.9    | 62.9    | 62.9    | 62.9    | 62.9    | 62.9    | 62.9    | 62.9    | 59.0    | 59.0    |
| 10°    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 78.7    | 74.7    | 74.7    |
| 12.5°  | 98.3    | 98.3    | 98.3    | 98.3    | 102.2   | 102.2   | 98.3    | 98.3    | 98.3    | 94.4    | 94.4    |
| 15°    | 129.8   | 133.7   | 137.6   | 137.6   | 141.6   | 141.6   | 141.6   | 137.6   | 137.6   | 133.7   | 129.8   |
| 17.5°  | 220.2   | 232.0   | 247.8   | 263.5   | 279.2   | 291.0   | 291.0   | 283.1   | 275.3   | 267.4   | 259.6   |
| 20°    | 586.0   | 645.0   | 707.9   | 770.8   | 837.6   | 884.8   | 853.4   | 829.8   | 806.2   | 778.7   | 755.1   |
| 22.5°  | 1553.4  | 1718.6  | 1887.7  | 2005.6  | 2123.6  | 2206.2  | 2139.3  | 2009.6  | 1879.8  | 1754.0  | 1624.2  |
| 25°    | 2898.3  | 3201.2  | 3507.9  | 3633.7  | 3763.5  | 3857.9  | 3814.6  | 3618.0  | 3421.4  | 3228.7  | 3032.1  |
| 27.5°  | 4322.0  | 4746.7  | 5175.3  | 5285.4  | 5395.6  | 5478.1  | 5462.4  | 5206.8  | 4951.2  | 4695.6  | 4439.9  |
| 30°    | 5493.9  | 5887.1  | 6280.4  | 6390.5  | 6500.6  | 6575.4  | 6492.8  | 6237.1  | 5981.5  | 5725.9  | 5470.3  |
| 32.5°  | 6461.3  | 6878.2  | 7299.0  | 7444.5  | 7590.0  | 7688.3  | 7590.0  | 7283.2  | 6976.5  | 6673.7  | 6366.9  |
| 35°    | 7456.3  | 7963.6  | 8474.8  | 8659.6  | 8844.5  | 8962.5  | 8797.3  | 8419.8  | 8042.2  | 7668.6  | 7291.1  |
| 37.5°  | 8557.4  | 9174.8  | 9796.2  | 10047.9 | 10303.5 | 10480.4 | 10354.6 | 9882.7  | 9406.8  | 8934.9  | 8459.1  |
| 40°    | 10063.6 | 10861.9 | 11664.2 | 12116.4 | 12564.7 | 12883.3 | 12659.1 | 12112.5 | 11561.9 | 11015.3 | 10464.7 |
| 42.5°  | 12879.4 | 14106.3 | 15333.3 | 15982.2 | 16627.1 | 17095.1 | 16843.4 | 16171.0 | 15498.5 | 14826.0 | 14153.5 |
| 45°    | 17228.8 | 18798.0 | 20371.0 | 21318.8 | 22270.5 | 22970.5 | 22679.5 | 21833.9 | 20984.5 | 20139.0 | 19293.5 |
| 47.5°  | 21778.9 | 23650.8 | 25522.7 | 26277.8 | 27036.8 | 27626.7 | 27555.9 | 26502.0 | 25448.0 | 24398.0 | 23344.1 |
| 50°    | 25082.3 | 26942.4 | 28802.6 | 29451.4 | 30104.3 | 30588.0 | 30407.1 | 29066.0 | 27721.1 | 26380.1 | 25035.1 |
| 52.5°  | 26183.4 | 27980.6 | 29781.8 | 30556.5 | 31331.2 | 31909.3 | 31689.1 | 30179.0 | 28668.8 | 27162.6 | 25652.5 |
| 55°    | 26694.7 | 28562.7 | 30430.7 | 31374.5 | 32322.3 | 33014.4 | 32695.9 | 31040.2 | 29380.7 | 27725.0 | 26065.4 |
| 57.5°  | 27331.8 | 29333.5 | 31335.2 | 32369.4 | 33403.7 | 34150.9 | 33726.2 | 32011.6 | 30297.0 | 28586.3 | 26871.6 |
| 60°    | 27811.5 | 29805.4 | 31803.1 | 32632.9 | 33466.6 | 34048.7 | 33639.7 | 31972.3 | 30300.9 | 28633.5 | 26966.0 |
| 62.5°  | 26749.7 | 28283.4 | 29817.2 | 30434.6 | 31052.0 | 31500.3 | 31268.3 | 29687.4 | 28106.5 | 26525.6 | 24944.6 |
| 65°    | 23245.8 | 24307.6 | 25373.3 | 25790.2 | 26203.1 | 26521.6 | 26450.8 | 25117.7 | 23784.5 | 22455.3 | 21122.1 |
| 67.5°  | 18758.6 | 19584.5 | 20414.3 | 21004.2 | 21598.0 | 22058.1 | 22007.0 | 20791.8 | 19576.6 | 18361.4 | 17146.3 |
| 70°    | 14613.6 | 15471.0 | 16328.3 | 17071.5 | 17818.7 | 18396.8 | 18322.1 | 17193.4 | 16060.8 | 14932.2 | 13799.6 |
| 72.5°  | 11676.0 | 12651.3 | 13626.5 | 14051.3 | 14476.0 | 14774.9 | 14554.6 | 13701.3 | 12844.0 | 11990.6 | 11133.3 |
| 75°    | 7090.5  | 7601.8  | 8116.9  | 8113.0  | 8113.0  | 8065.8  | 7845.6  | 7357.9  | 6870.3  | 6382.7  | 5895.0  |
| 77.5°  | 2111.8  | 2336.0  | 2560.1  | 2776.4  | 2996.7  | 3161.8  | 3118.6  | 2863.0  | 2603.4  | 2347.8  | 2088.2  |
| 80°    | 582.0   | 641.0   | 703.9   | 731.5   | 759.0   | 794.4   | 884.8   | 821.9   | 759.0   | 700.0   | 637.1   |
| 82.5°  | 149.4   | 149.4   | 149.4   | 145.5   | 141.6   | 133.7   | 121.9   | 114.0   | 106.2   | 98.3    | 90.5    |
| 85°    | 23.6    | 19.7    | 19.7    | 19.7    | 15.7    | 15.7    | 15.7    | 15.7    | 11.8    | 11.8    | 7.9     |
| 87.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 302.5° | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° | 322.5° | 325° | 327.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 112.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 115°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 117.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 120°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 122.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 125°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 127.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 130°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 132.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 135°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 137.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 140°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 142.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 145°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 147.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 150°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 152.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 155°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 157.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 160°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 162.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 165°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 167.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 170°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 172.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 175°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 177.5° | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |
| 180°   | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 332.5°  | 335°    | 337.5°  | 340°    | 342.5°  | 345°    | 347.5°  | 350°    | 352.5° | 355°   |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0°     | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4   | 35.4   |
| 2.5°   | 39.3    | 39.3    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4    | 35.4   | 31.5   |
| 5°     | 47.2    | 47.2    | 43.3    | 43.3    | 43.3    | 43.3    | 43.3    | 43.3    | 43.3    | 43.3   | 39.3   |
| 7.5°   | 59.0    | 59.0    | 55.1    | 55.1    | 55.1    | 55.1    | 51.1    | 51.1    | 51.1    | 51.1   | 47.2   |
| 10°    | 74.7    | 70.8    | 70.8    | 66.9    | 66.9    | 66.9    | 62.9    | 62.9    | 62.9    | 59.0   | 59.0   |
| 12.5°  | 94.4    | 90.5    | 90.5    | 86.5    | 82.6    | 82.6    | 78.7    | 74.7    | 70.8    | 70.8   | 66.9   |
| 15°    | 125.8   | 121.9   | 118.0   | 114.0   | 110.1   | 102.2   | 98.3    | 90.5    | 86.5    | 82.6   | 78.7   |
| 17.5°  | 239.9   | 220.2   | 200.6   | 180.9   | 165.2   | 149.4   | 133.7   | 118.0   | 110.1   | 102.2  | 94.4   |
| 20°    | 668.5   | 578.1   | 491.6   | 405.1   | 350.0   | 294.9   | 239.9   | 184.8   | 161.2   | 141.6  | 118.0  |
| 22.5°  | 1447.2  | 1266.3  | 1089.3  | 908.4   | 762.9   | 621.4   | 475.8   | 330.3   | 275.3   | 224.2  | 169.1  |
| 25°    | 2689.9  | 2343.8  | 2001.7  | 1655.6  | 1380.4  | 1105.1  | 829.8   | 554.5   | 452.3   | 350.0  | 247.8  |
| 27.5°  | 3991.6  | 3543.3  | 3095.0  | 2646.7  | 2210.1  | 1769.7  | 1329.2  | 892.7   | 715.7   | 542.7  | 365.7  |
| 30°    | 4994.4  | 4518.6  | 4046.7  | 3570.8  | 3020.3  | 2469.7  | 1915.2  | 1364.6  | 1085.4  | 806.2  | 523.0  |
| 32.5°  | 5855.7  | 5340.5  | 4829.3  | 4314.1  | 3677.0  | 3039.9  | 2402.8  | 1765.7  | 1415.7  | 1065.7 | 711.8  |
| 35°    | 6709.1  | 6123.1  | 5541.1  | 4955.1  | 4270.8  | 3586.6  | 2902.3  | 2218.0  | 1773.6  | 1329.2 | 880.9  |
| 37.5°  | 7747.3  | 7031.5  | 6319.7  | 5607.9  | 4904.0  | 4204.0  | 3500.0  | 2796.1  | 2229.8  | 1667.4 | 1101.1 |
| 40°    | 9556.3  | 8643.9  | 7735.5  | 6823.1  | 6001.2  | 5183.2  | 4361.3  | 3539.4  | 2827.6  | 2115.8 | 1400.0 |
| 42.5°  | 13009.1 | 11864.7 | 10724.3 | 9579.9  | 8443.3  | 7306.8  | 6166.4  | 5029.8  | 4015.2  | 3004.5 | 1989.9 |
| 45°    | 17826.6 | 16359.7 | 14896.8 | 13429.9 | 12029.9 | 10633.8 | 9233.8  | 7833.8  | 6292.2  | 4750.6 | 3205.1 |
| 47.5°  | 21739.6 | 20131.1 | 18526.6 | 16918.2 | 15364.8 | 13815.3 | 12261.9 | 10708.5 | 8734.4  | 6764.1 | 4789.9 |
| 50°    | 23505.3 | 21971.6 | 20441.8 | 18908.1 | 17350.7 | 15789.5 | 14228.2 | 12670.9 | 10405.7 | 8144.5 | 5879.3 |
| 52.5°  | 24099.1 | 22541.8 | 20988.4 | 19431.1 | 17885.6 | 16340.1 | 14794.5 | 13249.0 | 10893.4 | 8541.7 | 6186.0 |
| 55°    | 24425.5 | 22781.7 | 21141.8 | 19498.0 | 17834.5 | 16167.0 | 14499.6 | 12836.1 | 10492.2 | 8152.3 | 5808.5 |
| 57.5°  | 25086.2 | 23296.9 | 21511.5 | 19722.1 | 17826.6 | 15931.1 | 14031.6 | 12136.1 | 9823.7  | 7511.3 | 5198.9 |
| 60°    | 25208.1 | 23446.3 | 21688.4 | 19930.5 | 17834.5 | 15738.4 | 13638.3 | 11542.3 | 9245.6  | 6952.9 | 4656.2 |
| 62.5°  | 23473.8 | 22003.0 | 20536.2 | 19065.4 | 16965.3 | 14865.3 | 12761.4 | 10661.3 | 8463.0  | 6264.7 | 4062.4 |
| 65°    | 19851.9 | 18581.7 | 17315.4 | 16045.1 | 14330.5 | 12619.8 | 10905.2 | 9190.5  | 7228.2  | 5269.7 | 3307.3 |
| 67.5°  | 15903.5 | 14660.8 | 13422.1 | 12179.3 | 10889.4 | 9603.5  | 8313.6  | 7023.7  | 5509.6  | 3995.5 | 2481.5 |
| 70°    | 12608.0 | 11412.5 | 10220.9 | 9025.4  | 7884.9  | 6740.5  | 5596.1  | 4455.7  | 3515.8  | 2579.8 | 1639.9 |
| 72.5°  | 9992.8  | 8848.4  | 7707.9  | 6563.6  | 5529.3  | 4495.0  | 3460.7  | 2426.4  | 1958.4  | 1494.4 | 1026.4 |
| 75°    | 5301.2  | 4707.4  | 4117.5  | 3523.6  | 2941.6  | 2355.6  | 1769.7  | 1187.7  | 1002.8  | 818.0  | 629.2  |
| 77.5°  | 1828.7  | 1569.1  | 1313.5  | 1053.9  | 877.0   | 700.0   | 523.0   | 346.1   | 326.4   | 310.7  | 291.0  |
| 80°    | 554.5   | 471.9   | 389.3   | 306.7   | 271.4   | 236.0   | 200.6   | 165.2   | 153.4   | 141.6  | 125.8  |
| 82.5°  | 86.5    | 78.7    | 74.7    | 66.9    | 62.9    | 62.9    | 59.0    | 55.1    | 47.2    | 43.3   | 35.4   |
| 85°    | 7.9     | 3.9     | 3.9     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 87.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 332.5° | 335° | 337.5° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 112.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 115°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 117.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 120°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 122.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 125°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 127.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 130°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 132.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 135°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 137.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 140°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 142.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 145°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 147.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 150°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 152.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 155°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 157.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 160°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 162.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 165°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 167.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 170°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 172.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 175°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 177.5° | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 180°   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |



REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 0°     | 35.4   | 35.4   |
| 2.5°   | 31.5   | 31.5   |
| 5°     | 39.3   | 39.3   |
| 7.5°   | 47.2   | 47.2   |
| 10°    | 55.1   | 55.1   |
| 12.5°  | 62.9   | 62.9   |
| 15°    | 74.7   | 70.8   |
| 17.5°  | 86.5   | 82.6   |
| 20°    | 94.4   | 86.5   |
| 22.5°  | 114.0  | 98.3   |
| 25°    | 145.5  | 121.9  |
| 27.5°  | 188.8  | 149.4  |
| 30°    | 243.8  | 188.8  |
| 32.5°  | 361.8  | 263.5  |
| 35°    | 436.5  | 318.5  |
| 37.5°  | 534.8  | 369.7  |
| 40°    | 688.2  | 448.3  |
| 42.5°  | 975.3  | 609.6  |
| 45°    | 1663.5 | 1010.7 |
| 47.5°  | 2819.7 | 1722.5 |
| 50°    | 3614.1 | 2210.1 |
| 52.5°  | 3834.3 | 2343.8 |
| 55°    | 3468.6 | 2151.1 |
| 57.5°  | 2886.5 | 1828.7 |
| 60°    | 2363.5 | 1506.2 |
| 62.5°  | 1864.1 | 1191.6 |
| 65°    | 1345.0 | 900.6  |
| 67.5°  | 967.4  | 692.1  |
| 70°    | 703.9  | 542.7  |
| 72.5°  | 558.4  | 452.3  |
| 75°    | 444.4  | 377.5  |
| 77.5°  | 275.3  | 251.7  |
| 80°    | 114.0  | 106.2  |
| 82.5°  | 27.5   | 23.6   |
| 85°    | 0.0    | 0.0    |
| 87.5°  | 0.0    | 0.0    |
| 90°    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    |

REPORT NUMBER: P1067832

CATALOG NUMBER: NAV-SA3D-830-U-RBC

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360° |
|--------|--------|------|
| 112.5° | 0.0    | 0.0  |
| 115°   | 0.0    | 0.0  |
| 117.5° | 0.0    | 0.0  |
| 120°   | 0.0    | 0.0  |
| 122.5° | 0.0    | 0.0  |
| 125°   | 0.0    | 0.0  |
| 127.5° | 0.0    | 0.0  |
| 130°   | 0.0    | 0.0  |
| 132.5° | 0.0    | 0.0  |
| 135°   | 0.0    | 0.0  |
| 137.5° | 0.0    | 0.0  |
| 140°   | 0.0    | 0.0  |
| 142.5° | 0.0    | 0.0  |
| 145°   | 0.0    | 0.0  |
| 147.5° | 0.0    | 0.0  |
| 150°   | 0.0    | 0.0  |
| 152.5° | 0.0    | 0.0  |
| 155°   | 0.0    | 0.0  |
| 157.5° | 0.0    | 0.0  |
| 160°   | 0.0    | 0.0  |
| 162.5° | 0.0    | 0.0  |
| 165°   | 0.0    | 0.0  |
| 167.5° | 0.0    | 0.0  |
| 170°   | 0.0    | 0.0  |
| 172.5° | 0.0    | 0.0  |
| 175°   | 0.0    | 0.0  |
| 177.5° | 0.0    | 0.0  |
| 180°   | 0.0    | 0.0  |

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

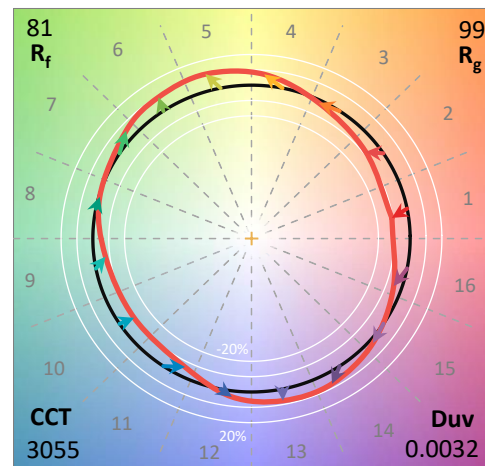
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2407-184-9  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/15/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: McGraw-Edison  
 Catalog Number: **GSS-SB1A-830-U-5WQ**  
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI  
 3000K CCT 26 LEDS

### Spectral Parameters

CCT (K): 3055  
 CIE  $u'$ : 0.2475  
 CIE  $v'$ : 0.5247  
 Duv: 0.0032  
 CIE x: 0.4377  
 CIE y: 0.4124  
 CIE z: 0.1499  
 Peak Wavelength (nm): 604  
 Dominant Wavelength (nm): 581  
 Purity: 55.16339  
 R<sub>f</sub>: 81.5  
 R<sub>g</sub>: 99.2

CRI (Ra): 80.9  
 R1: 79.5  
 R2: 85.6  
 R3: 92.1  
 R4: 82.4  
 R5: 78.9  
 R6: 81.7  
 R7: 85.1  
 R8: 61.9  
 R9: 6.8  
 R10: 67.1  
 R11: 82.5  
 R12: 63.4  
 R13: 80.2  
 R14: 95.1  
 R15: 71.7



### Test Conditions

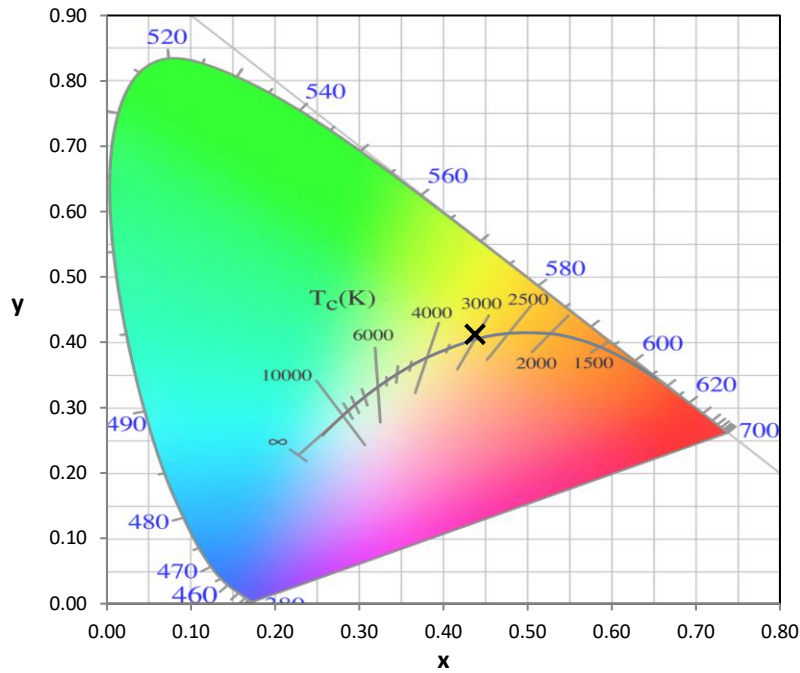
Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

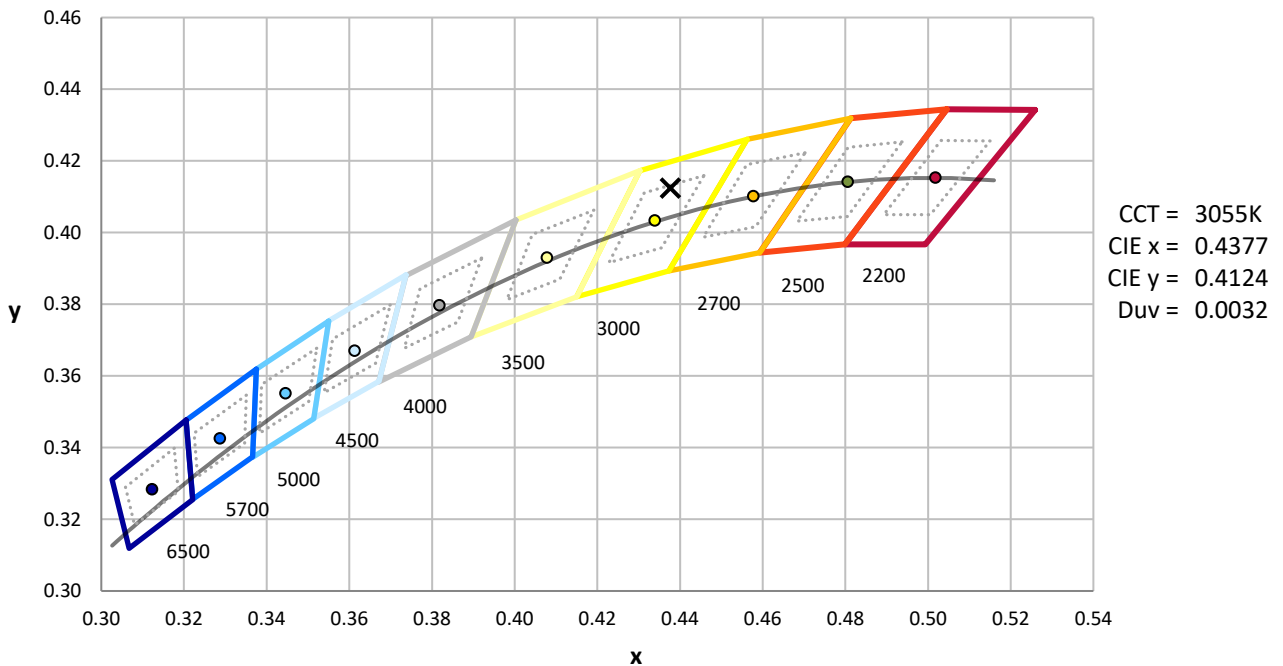
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | IN0058                | 6/18/2024        | 12/18/2024           |
| Power Meter                    | INXT2011004           | 2/8/2024         | 2/8/2025             |
| AC Power Source                | IN0063                | 10/24/2023       | 10/24/2024           |
| DC Power Source                | IN0208                | 10/24/2023       | 10/24/2024           |
| Sphere Thermometer             | IN0085                | 10/24/2023       | 10/24/2024           |
| Room Thermometer               | IN0046                | 10/24/2023       | 10/24/2024           |

REPORT NUMBER: SP1-2407-184-9

**CIE 1931 Chromaticity Diagram**



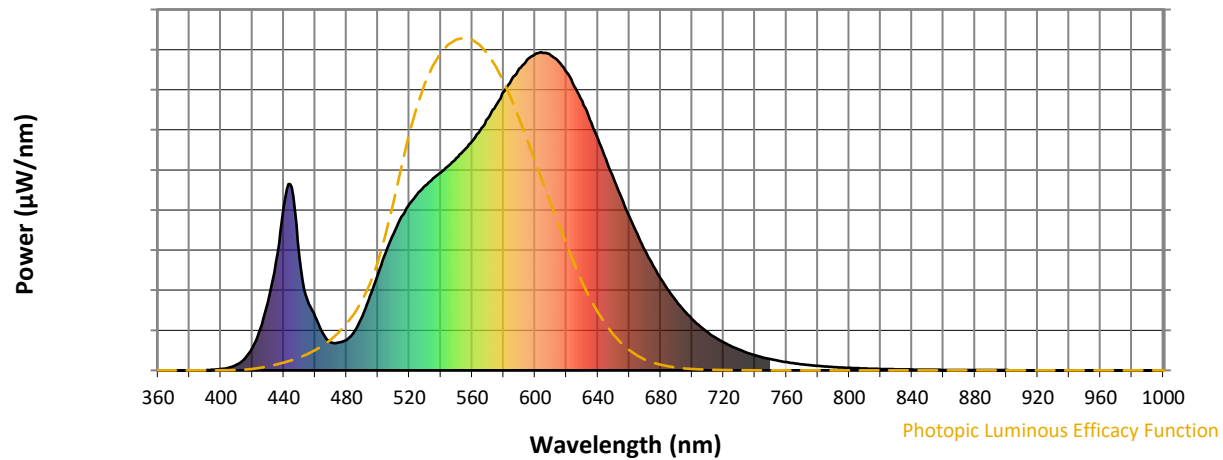
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

### Photopic Flux vs. Wavelength

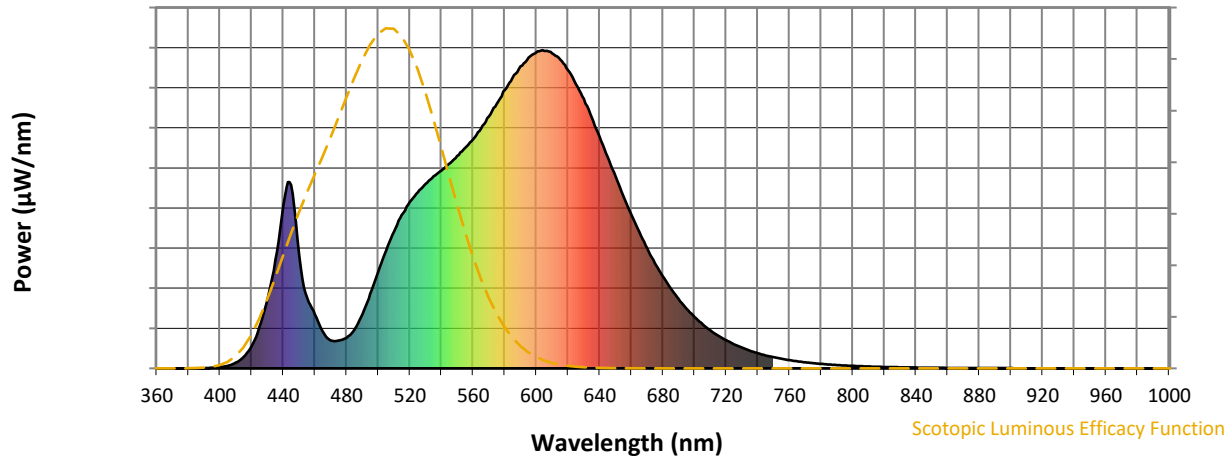


### Photopic Lumens: NR

| λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>W <sup>λ</sup> /nm | Lumens<br>(φ/nm) |
|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|-----------|-----------------------------|------------------|
| 360       | 0                           | NR               | 490       | 170                         | NR               | 620       | 938                         | NR               | 750       | 35                          | NR               | 880       | 1                           | NR               |
| 365       | 0                           | NR               | 495       | 234                         | NR               | 625       | 894                         | NR               | 755       | 30                          | NR               | 885       | 1                           | NR               |
| 370       | 0                           | NR               | 500       | 302                         | NR               | 630       | 847                         | NR               | 760       | 26                          | NR               | 890       | 1                           | NR               |
| 375       | 0                           | NR               | 505       | 371                         | NR               | 635       | 788                         | NR               | 765       | 22                          | NR               | 895       | 1                           | NR               |
| 380       | 0                           | NR               | 510       | 431                         | NR               | 640       | 728                         | NR               | 770       | 19                          | NR               | 900       | 1                           | NR               |
| 385       | 0                           | NR               | 515       | 482                         | NR               | 645       | 665                         | NR               | 775       | 16                          | NR               | 905       | 1                           | NR               |
| 390       | 0                           | NR               | 520       | 523                         | NR               | 650       | 603                         | NR               | 780       | 14                          | NR               | 910       | 0                           | NR               |
| 395       | 2                           | NR               | 525       | 553                         | NR               | 655       | 542                         | NR               | 785       | 12                          | NR               | 915       | 0                           | NR               |
| 400       | 4                           | NR               | 530       | 580                         | NR               | 660       | 484                         | NR               | 790       | 11                          | NR               | 920       | 0                           | NR               |
| 405       | 8                           | NR               | 535       | 603                         | NR               | 665       | 430                         | NR               | 795       | 9                           | NR               | 925       | 0                           | NR               |
| 410       | 18                          | NR               | 540       | 622                         | NR               | 670       | 377                         | NR               | 800       | 8                           | NR               | 930       | 0                           | NR               |
| 415       | 36                          | NR               | 545       | 644                         | NR               | 675       | 330                         | NR               | 805       | 7                           | NR               | 935       | 0                           | NR               |
| 420       | 71                          | NR               | 550       | 668                         | NR               | 680       | 289                         | NR               | 810       | 6                           | NR               | 940       | 0                           | NR               |
| 425       | 131                         | NR               | 555       | 693                         | NR               | 685       | 250                         | NR               | 815       | 5                           | NR               | 945       | 0                           | NR               |
| 430       | 215                         | NR               | 560       | 720                         | NR               | 690       | 218                         | NR               | 820       | 4                           | NR               | 950       | 0                           | NR               |
| 435       | 341                         | NR               | 565       | 754                         | NR               | 695       | 188                         | NR               | 825       | 4                           | NR               | 955       | 0                           | NR               |
| 440       | 514                         | NR               | 570       | 792                         | NR               | 700       | 161                         | NR               | 830       | 3                           | NR               | 960       | 0                           | NR               |
| 445       | 576                         | NR               | 575       | 832                         | NR               | 705       | 139                         | NR               | 835       | 3                           | NR               | 965       | 0                           | NR               |
| 450       | 358                         | NR               | 580       | 875                         | NR               | 710       | 119                         | NR               | 840       | 3                           | NR               | 970       | 0                           | NR               |
| 455       | 222                         | NR               | 585       | 913                         | NR               | 715       | 102                         | NR               | 845       | 2                           | NR               | 975       | 0                           | NR               |
| 460       | 170                         | NR               | 590       | 950                         | NR               | 720       | 88                          | NR               | 850       | 2                           | NR               | 980       | 0                           | NR               |
| 465       | 115                         | NR               | 595       | 977                         | NR               | 725       | 76                          | NR               | 855       | 2                           | NR               | 985       | 0                           | NR               |
| 470       | 88                          | NR               | 600       | 994                         | NR               | 730       | 65                          | NR               | 860       | 1                           | NR               | 990       | 0                           | NR               |
| 475       | 87                          | NR               | 605       | 997                         | NR               | 735       | 56                          | NR               | 865       | 1                           | NR               | 995       | 0                           | NR               |
| 480       | 96                          | NR               | 610       | 990                         | NR               | 740       | 47                          | NR               | 870       | 1                           | NR               | 1000      | 0                           | NR               |
| 485       | 122                         | NR               | 615       | 971                         | NR               | 745       | 41                          | NR               | 875       | 1                           | NR               |           |                             |                  |

REPORT NUMBER: SP1-2407-184-9

### Scotopic Flux vs. Wavelength

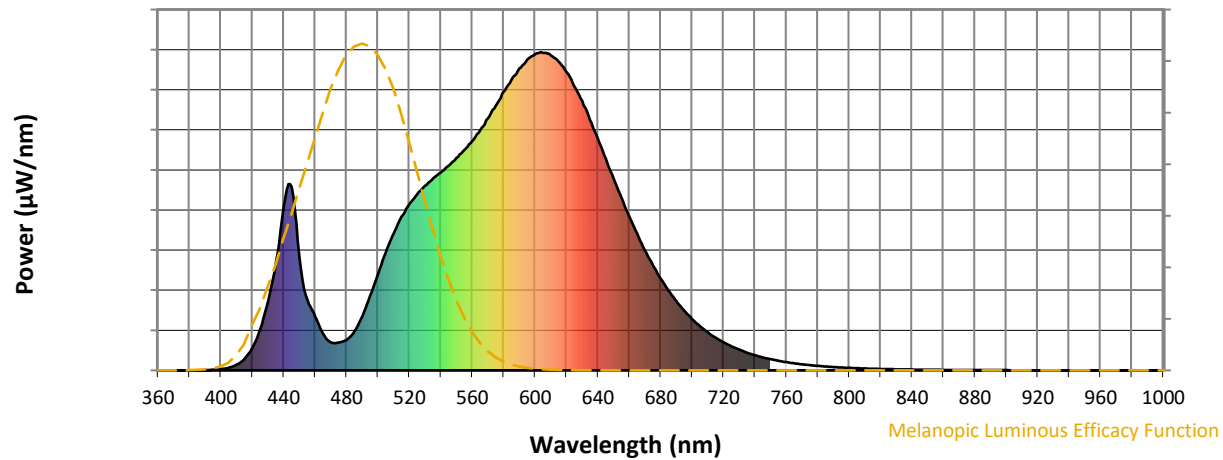


Scotopic Lumens: NR

S/P: 1.28

| λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360    | 0                        | NR            | 490    | 170                      | NR            | 620    | 938                      | NR            | 750    | 35                       | NR            | 880    | 1                        | NR            |
| 365    | 0                        | NR            | 495    | 234                      | NR            | 625    | 894                      | NR            | 755    | 30                       | NR            | 885    | 1                        | NR            |
| 370    | 0                        | NR            | 500    | 302                      | NR            | 630    | 847                      | NR            | 760    | 26                       | NR            | 890    | 1                        | NR            |
| 375    | 0                        | NR            | 505    | 371                      | NR            | 635    | 788                      | NR            | 765    | 22                       | NR            | 895    | 1                        | NR            |
| 380    | 0                        | NR            | 510    | 431                      | NR            | 640    | 728                      | NR            | 770    | 19                       | NR            | 900    | 1                        | NR            |
| 385    | 0                        | NR            | 515    | 482                      | NR            | 645    | 665                      | NR            | 775    | 16                       | NR            | 905    | 1                        | NR            |
| 390    | 0                        | NR            | 520    | 523                      | NR            | 650    | 603                      | NR            | 780    | 14                       | NR            | 910    | 0                        | NR            |
| 395    | 2                        | NR            | 525    | 553                      | NR            | 655    | 542                      | NR            | 785    | 12                       | NR            | 915    | 0                        | NR            |
| 400    | 4                        | NR            | 530    | 580                      | NR            | 660    | 484                      | NR            | 790    | 11                       | NR            | 920    | 0                        | NR            |
| 405    | 8                        | NR            | 535    | 603                      | NR            | 665    | 430                      | NR            | 795    | 9                        | NR            | 925    | 0                        | NR            |
| 410    | 18                       | NR            | 540    | 622                      | NR            | 670    | 377                      | NR            | 800    | 8                        | NR            | 930    | 0                        | NR            |
| 415    | 36                       | NR            | 545    | 644                      | NR            | 675    | 330                      | NR            | 805    | 7                        | NR            | 935    | 0                        | NR            |
| 420    | 71                       | NR            | 550    | 668                      | NR            | 680    | 289                      | NR            | 810    | 6                        | NR            | 940    | 0                        | NR            |
| 425    | 131                      | NR            | 555    | 693                      | NR            | 685    | 250                      | NR            | 815    | 5                        | NR            | 945    | 0                        | NR            |
| 430    | 215                      | NR            | 560    | 720                      | NR            | 690    | 218                      | NR            | 820    | 4                        | NR            | 950    | 0                        | NR            |
| 435    | 341                      | NR            | 565    | 754                      | NR            | 695    | 188                      | NR            | 825    | 4                        | NR            | 955    | 0                        | NR            |
| 440    | 514                      | NR            | 570    | 792                      | NR            | 700    | 161                      | NR            | 830    | 3                        | NR            | 960    | 0                        | NR            |
| 445    | 576                      | NR            | 575    | 832                      | NR            | 705    | 139                      | NR            | 835    | 3                        | NR            | 965    | 0                        | NR            |
| 450    | 358                      | NR            | 580    | 875                      | NR            | 710    | 119                      | NR            | 840    | 3                        | NR            | 970    | 0                        | NR            |
| 455    | 222                      | NR            | 585    | 913                      | NR            | 715    | 102                      | NR            | 845    | 2                        | NR            | 975    | 0                        | NR            |
| 460    | 170                      | NR            | 590    | 950                      | NR            | 720    | 88                       | NR            | 850    | 2                        | NR            | 980    | 0                        | NR            |
| 465    | 115                      | NR            | 595    | 977                      | NR            | 725    | 76                       | NR            | 855    | 2                        | NR            | 985    | 0                        | NR            |
| 470    | 88                       | NR            | 600    | 994                      | NR            | 730    | 65                       | NR            | 860    | 1                        | NR            | 990    | 0                        | NR            |
| 475    | 87                       | NR            | 605    | 997                      | NR            | 735    | 56                       | NR            | 865    | 1                        | NR            | 995    | 0                        | NR            |
| 480    | 96                       | NR            | 610    | 990                      | NR            | 740    | 47                       | NR            | 870    | 1                        | NR            | 1000   | 0                        | NR            |
| 485    | 122                      | NR            | 615    | 971                      | NR            | 745    | 41                       | NR            | 875    | 1                        | NR            |        |                          |               |

REPORT NUMBER: SP1-2407-184-9

**Melanopic Flux vs. Wavelength**

**Melanopic Lumens: NR**
**M/P: 2.33**

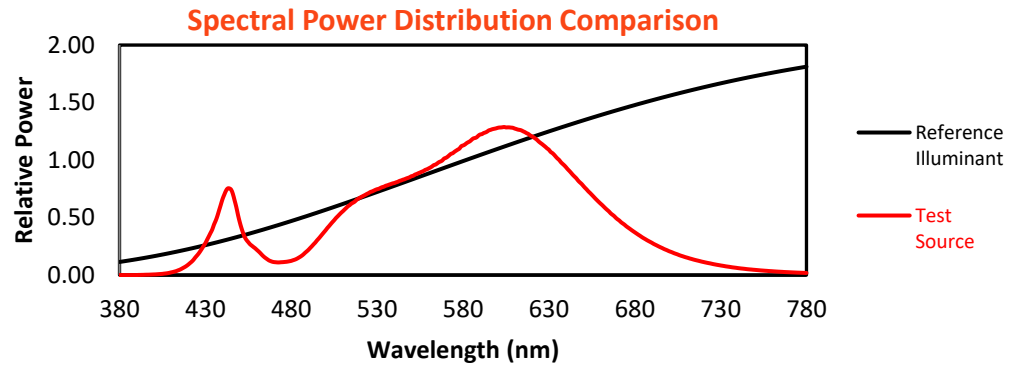
| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 170                                  | NR                             | 620               | 938                                  | NR                             | 750               | 35                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 234                                  | NR                             | 625               | 894                                  | NR                             | 755               | 30                                   | NR                             | 885               | 1                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 302                                  | NR                             | 630               | 847                                  | NR                             | 760               | 26                                   | NR                             | 890               | 1                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 371                                  | NR                             | 635               | 788                                  | NR                             | 765               | 22                                   | NR                             | 895               | 1                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 431                                  | NR                             | 640               | 728                                  | NR                             | 770               | 19                                   | NR                             | 900               | 1                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 482                                  | NR                             | 645               | 665                                  | NR                             | 775               | 16                                   | NR                             | 905               | 1                                    | NR                             |
| 390               | 0                                    | NR                             | 520               | 523                                  | NR                             | 650               | 603                                  | NR                             | 780               | 14                                   | NR                             | 910               | 0                                    | NR                             |
| 395               | 2                                    | NR                             | 525               | 553                                  | NR                             | 655               | 542                                  | NR                             | 785               | 12                                   | NR                             | 915               | 0                                    | NR                             |
| 400               | 4                                    | NR                             | 530               | 580                                  | NR                             | 660               | 484                                  | NR                             | 790               | 11                                   | NR                             | 920               | 0                                    | NR                             |
| 405               | 8                                    | NR                             | 535               | 603                                  | NR                             | 665               | 430                                  | NR                             | 795               | 9                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 18                                   | NR                             | 540               | 622                                  | NR                             | 670               | 377                                  | NR                             | 800               | 8                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 36                                   | NR                             | 545               | 644                                  | NR                             | 675               | 330                                  | NR                             | 805               | 7                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 71                                   | NR                             | 550               | 668                                  | NR                             | 680               | 289                                  | NR                             | 810               | 6                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 131                                  | NR                             | 555               | 693                                  | NR                             | 685               | 250                                  | NR                             | 815               | 5                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 215                                  | NR                             | 560               | 720                                  | NR                             | 690               | 218                                  | NR                             | 820               | 4                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 341                                  | NR                             | 565               | 754                                  | NR                             | 695               | 188                                  | NR                             | 825               | 4                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 514                                  | NR                             | 570               | 792                                  | NR                             | 700               | 161                                  | NR                             | 830               | 3                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 576                                  | NR                             | 575               | 832                                  | NR                             | 705               | 139                                  | NR                             | 835               | 3                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 358                                  | NR                             | 580               | 875                                  | NR                             | 710               | 119                                  | NR                             | 840               | 3                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 222                                  | NR                             | 585               | 913                                  | NR                             | 715               | 102                                  | NR                             | 845               | 2                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 170                                  | NR                             | 590               | 950                                  | NR                             | 720               | 88                                   | NR                             | 850               | 2                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 115                                  | NR                             | 595               | 977                                  | NR                             | 725               | 76                                   | NR                             | 855               | 2                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 88                                   | NR                             | 600               | 994                                  | NR                             | 730               | 65                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 87                                   | NR                             | 605               | 997                                  | NR                             | 735               | 56                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 96                                   | NR                             | 610               | 990                                  | NR                             | 740               | 47                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 122                                  | NR                             | 615               | 971                                  | NR                             | 745               | 41                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-2407-184-9

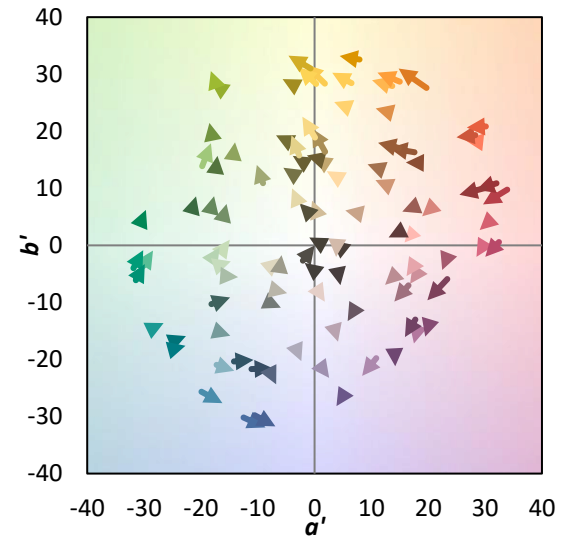
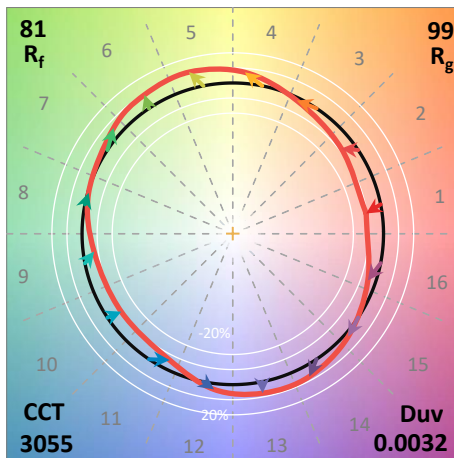
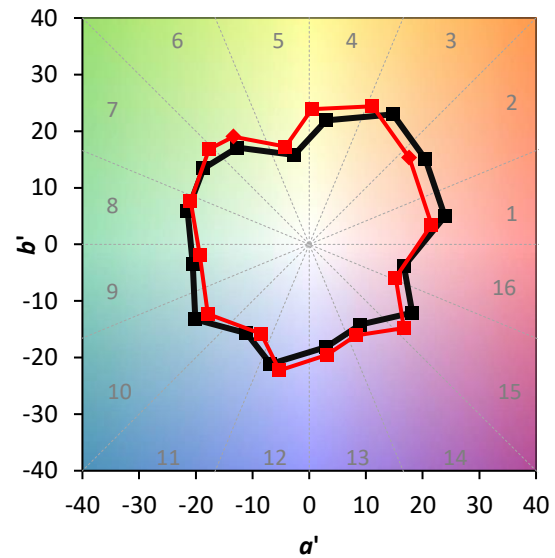
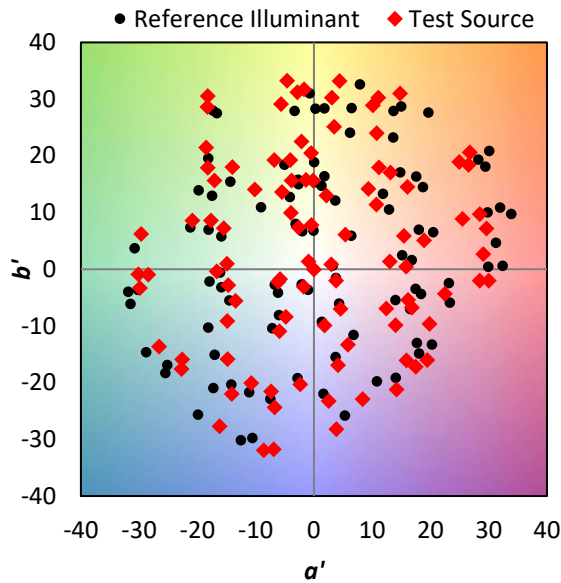
TM-30-18

### Summary

$R_f = 81.5$   
 $R_g = 99.2$   
 $CIE R_a = 80.9$   
 $R_g = 6.8$

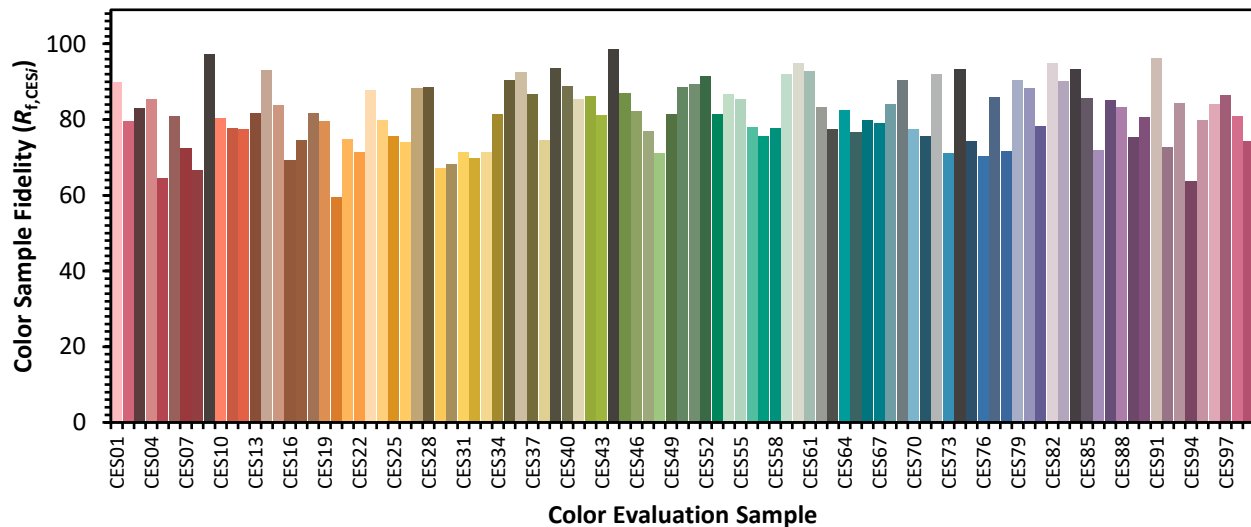


### Color Vector Graphics

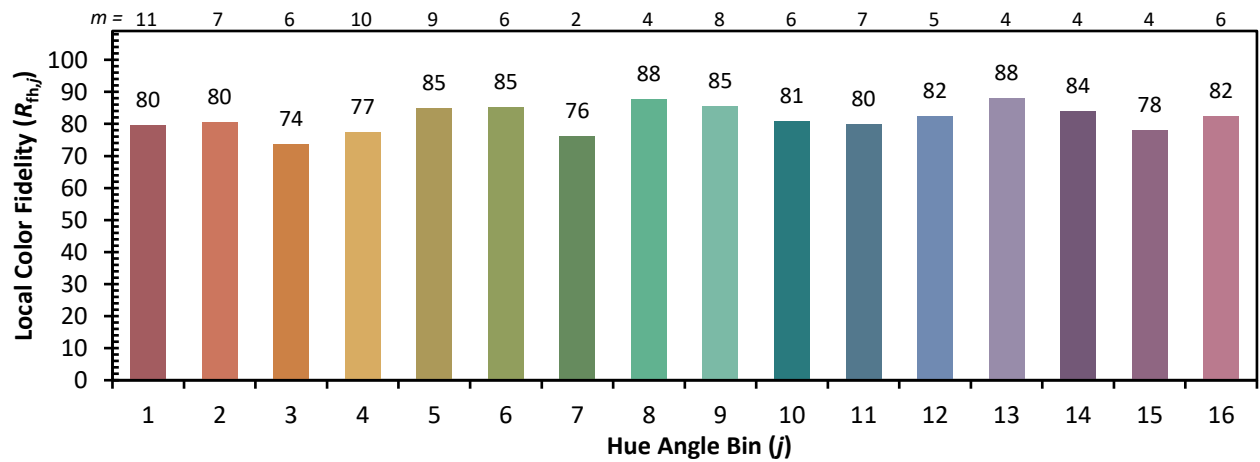
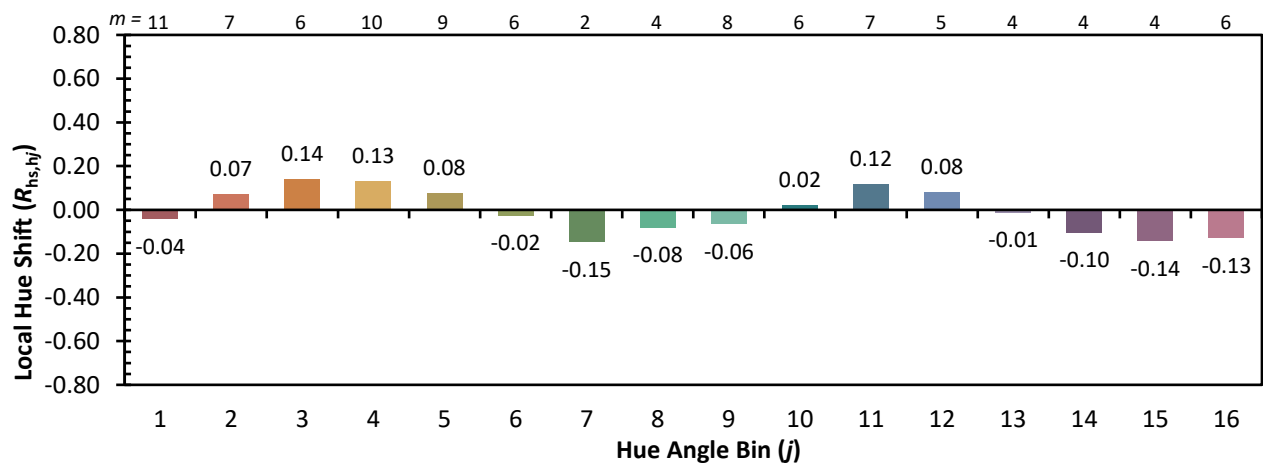
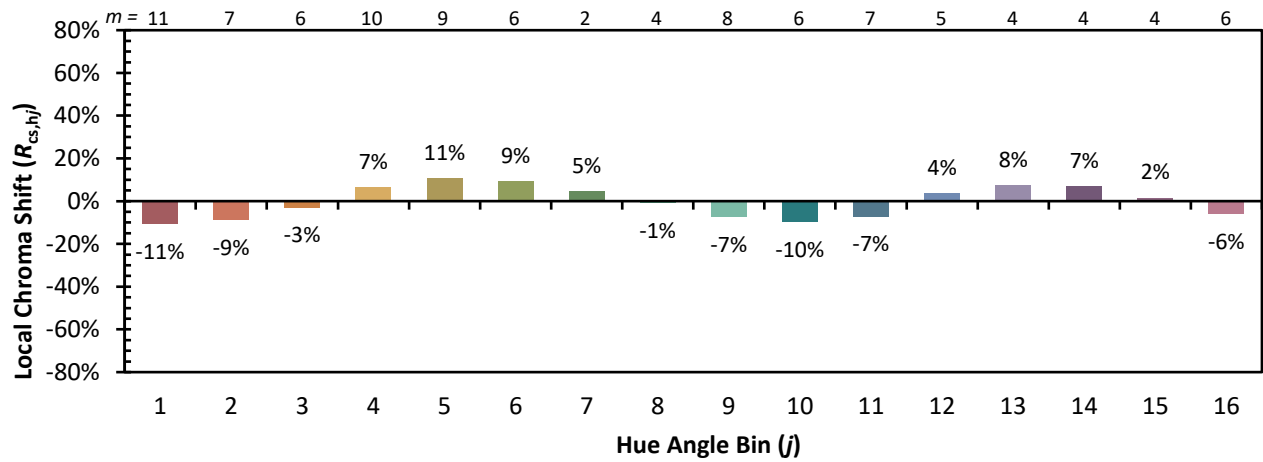


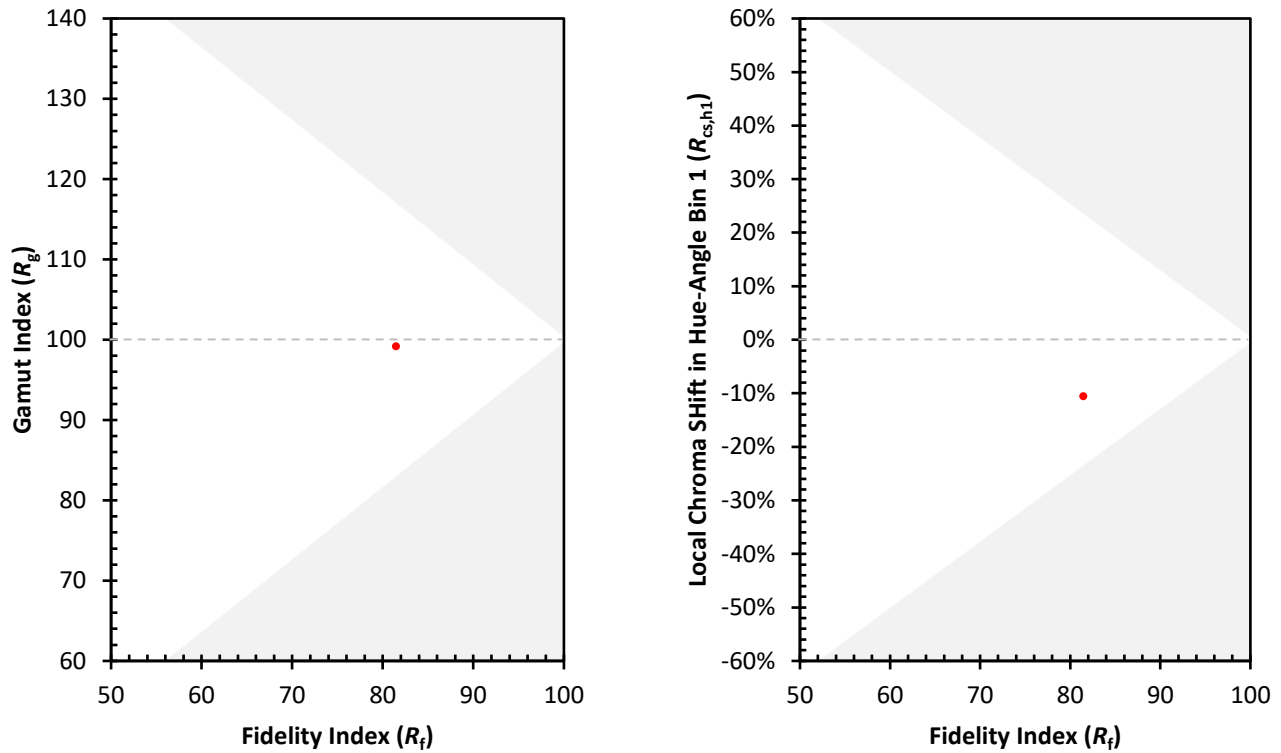
**Individual Sample Fidelity Index ( $R_{f,i}$ )**

|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 74 | CES51 = 89 | CES76 = 70 |
| CES02 = 63 | CES27 = 88 | CES52 = 91 | CES77 = 86 |
| CES03 = 31 | CES28 = 89 | CES53 = 81 | CES78 = 72 |
| CES04 = 70 | CES29 = 67 | CES54 = 87 | CES79 = 90 |
| CES05 = 50 | CES30 = 68 | CES55 = 85 | CES80 = 88 |
| CES06 = 51 | CES31 = 71 | CES56 = 78 | CES81 = 78 |
| CES07 = 42 | CES32 = 70 | CES57 = 76 | CES82 = 95 |
| CES08 = 41 | CES33 = 71 | CES58 = 78 | CES83 = 90 |
| CES09 = 29 | CES34 = 82 | CES59 = 92 | CES84 = 93 |
| CES10 = 76 | CES35 = 90 | CES60 = 95 | CES85 = 86 |
| CES11 = 59 | CES36 = 93 | CES61 = 93 | CES86 = 72 |
| CES12 = 65 | CES37 = 87 | CES62 = 83 | CES87 = 85 |
| CES13 = 43 | CES38 = 75 | CES63 = 77 | CES88 = 83 |
| CES14 = 74 | CES39 = 94 | CES64 = 83 | CES89 = 75 |
| CES15 = 71 | CES40 = 89 | CES65 = 77 | CES90 = 81 |
| CES16 = 47 | CES41 = 85 | CES66 = 80 | CES91 = 96 |
| CES17 = 50 | CES42 = 86 | CES67 = 79 | CES92 = 73 |
| CES18 = 56 | CES43 = 81 | CES68 = 84 | CES93 = 84 |
| CES19 = 72 | CES44 = 99 | CES69 = 90 | CES94 = 64 |
| CES20 = 66 | CES45 = 87 | CES70 = 77 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 76 | CES96 = 84 |
| CES22 = 79 | CES47 = 77 | CES72 = 92 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 71 | CES98 = 81 |
| CES24 = 91 | CES49 = 81 | CES74 = 93 | CES99 = 74 |
| CES25 = 72 | CES50 = 89 | CES75 = 74 |            |



Color Rendition by Hue-Angle Bin



**Measure Comparisons**


(END OF REPORT)