

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P362323

Luminaire Tested: NVN-SA3C-750-U-SLR

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-2019  
Report Number: P362323  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: NVN-SA3C-750-U-SLR  
Description: NAVION ROADWAY AND AREA LUMINAIRE  
(3) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 19011 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G4

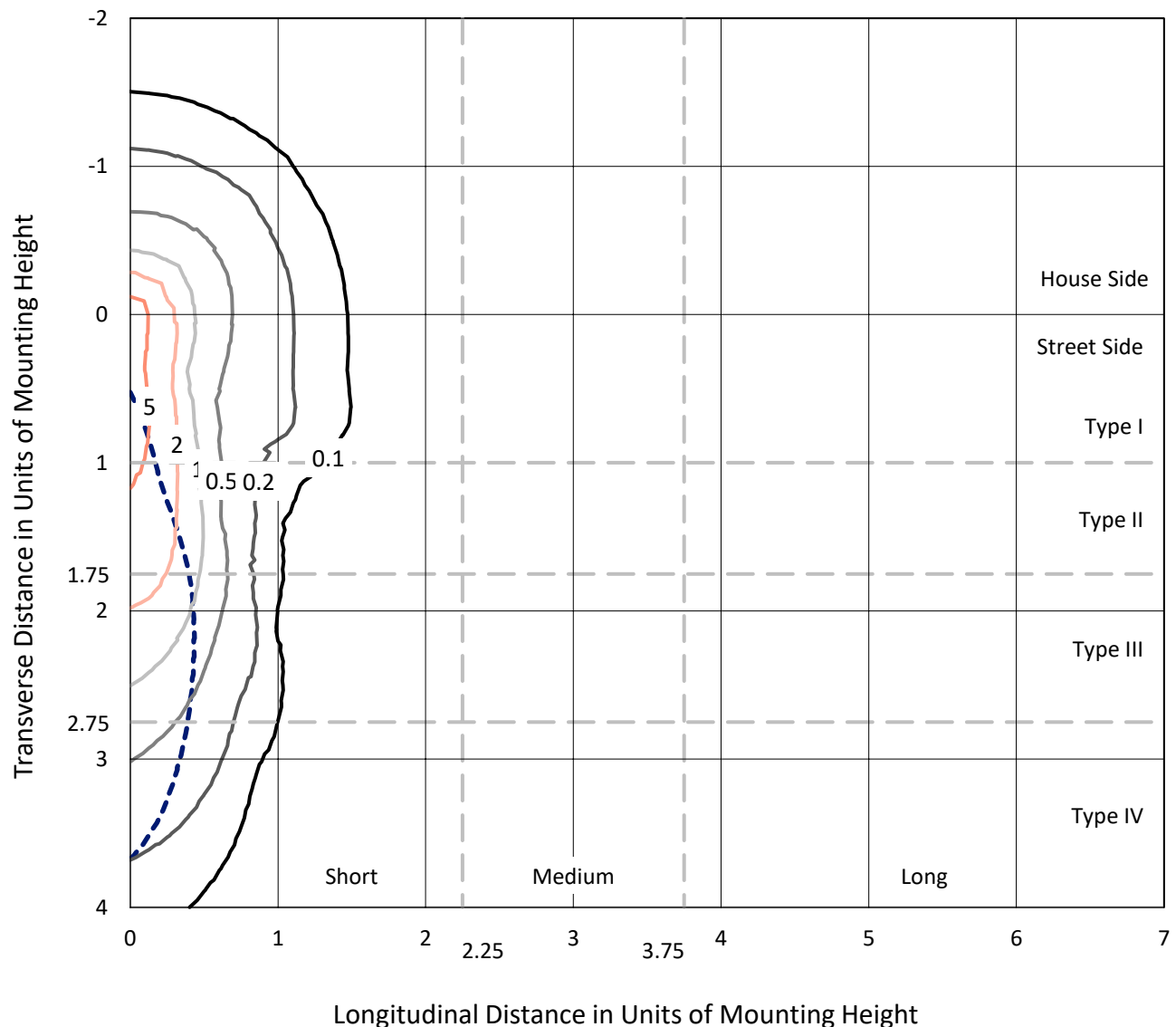
Input Watts (W): 166  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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## Iso-Footcandle Lines of Horizontal Illumination

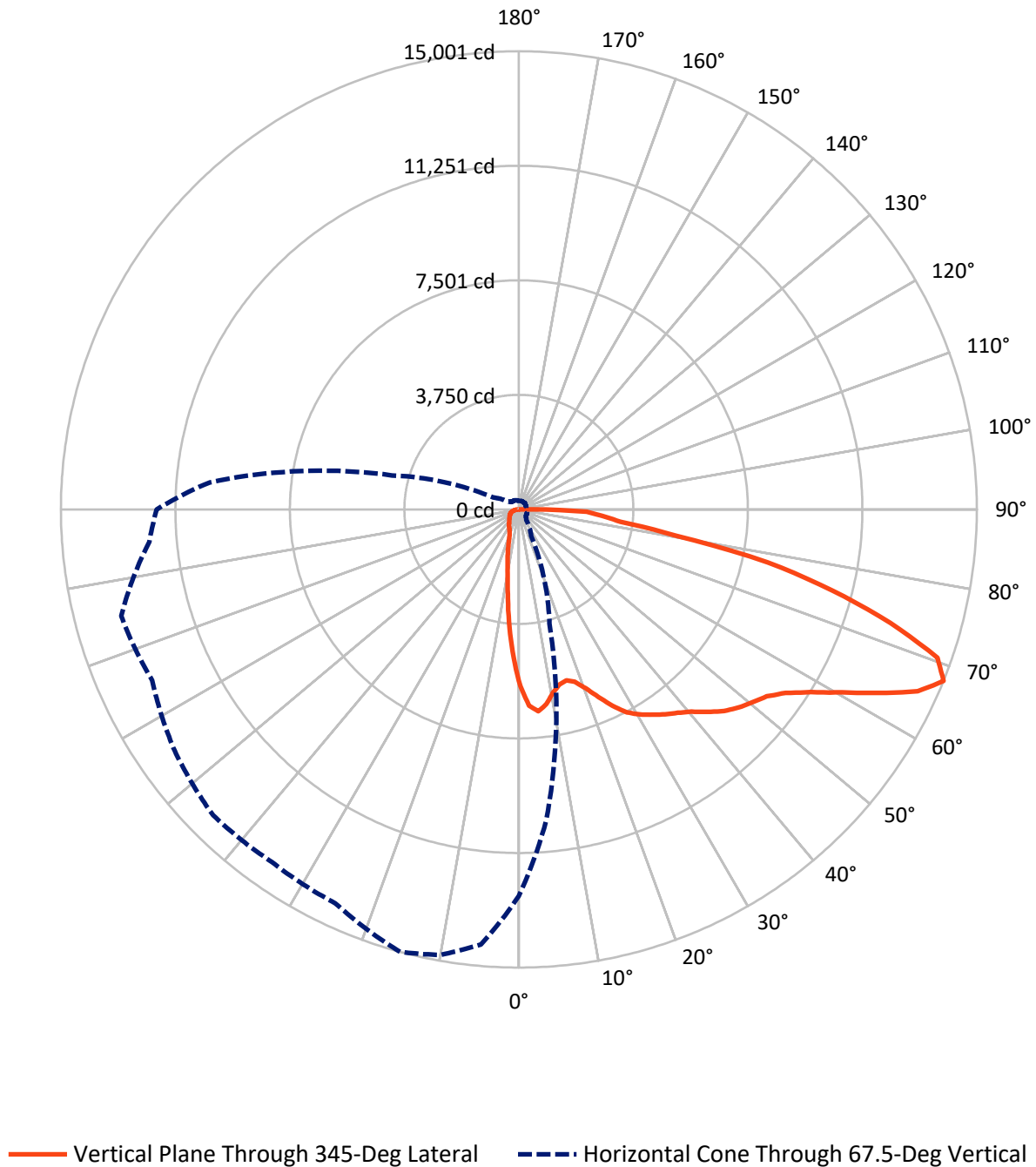
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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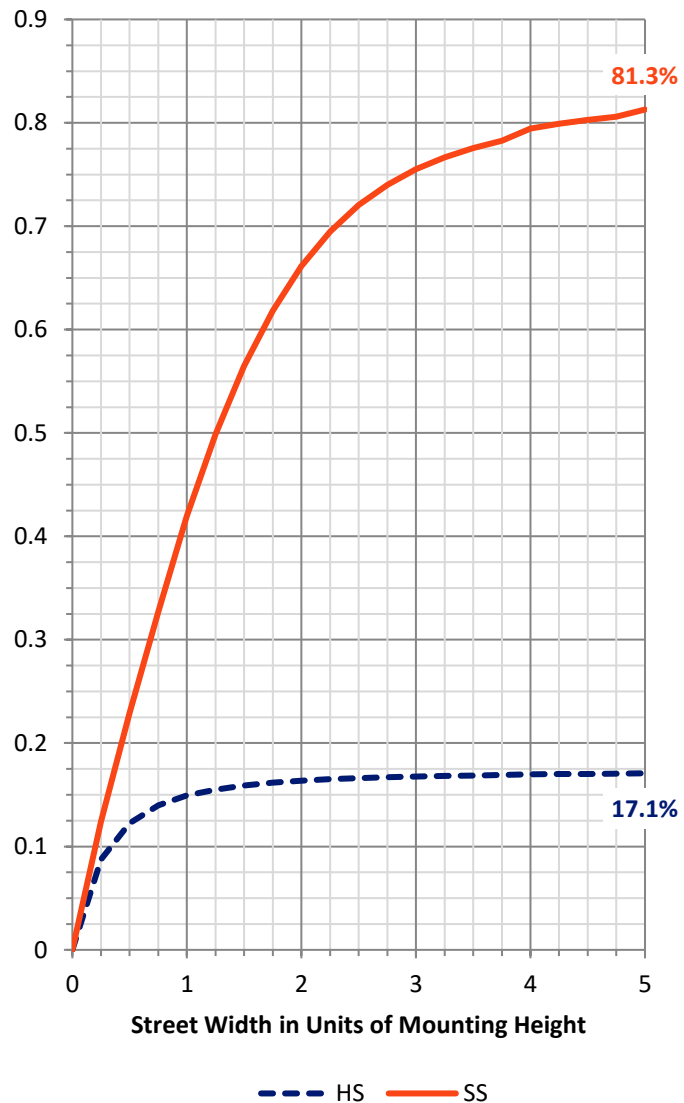
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3286.6   | 0.0    | 3286.6  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 15724.4  | 0.0    | 15724.4 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 19011.0  | 0.0    | 19011.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 447.0   | 2.4       |
| 10°-20°   | 928.6   | 4.9       |
| 20°-30°   | 1320.7  | 6.9       |
| 30°-40°   | 1903.1  | 10.0      |
| 40°-50°   | 2682.0  | 14.1      |
| 50°-60°   | 3728.4  | 19.6      |
| 60°-70°   | 4508.7  | 23.7      |
| 70°-80°   | 2771.4  | 14.6      |
| 80°-90°   | 721.1   | 3.8       |
| 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°    | 19011.0 | 100.0     |
| 0°-180°   | 19011.0 | 100.0     |

**Coefficient of Utilization**



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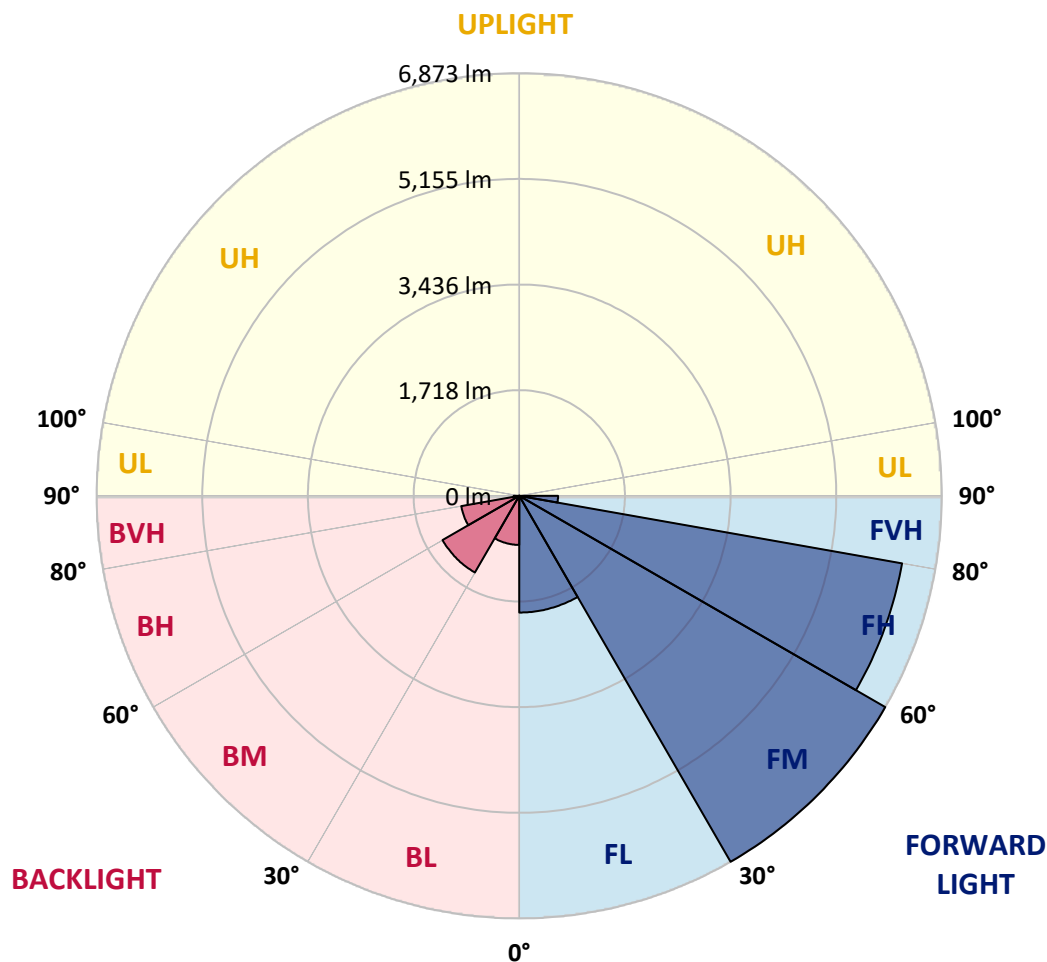
CATALOG NUMBER: NVN-SA3C-750-U-SLR

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1898.3 | 10.0      |                         |      |         |
| FM   | (30°-60°)   | 6873.0 | 36.2      |                         |      |         |
| FH   | (60°-80°)   | 6322.4 | 33.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 630.7  | 3.3       |                         |      | G4/750  |
| BL   | (0°-30°)    | 798.0  | 4.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1440.5 | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 957.8  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 90.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5791.8  | 5791.8  | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 |
| 2.5°   | 6204.6  | 6149.8  | 6067.0 | 5984.1 | 5922.6 | 5860.2 | 5789.6 | 5718.9 | 5638.3 | 5557.0 | 5509.1 |
| 5°     | 6101.9  | 5949.9  | 5752.3 | 5554.7 | 5424.0 | 5293.2 | 5145.0 | 4996.8 | 4850.1 | 4703.4 | 4624.3 |
| 7.5°   | 5639.8  | 5411.8  | 5154.9 | 4898.0 | 4708.0 | 4517.2 | 4312.0 | 4106.0 | 3923.5 | 3740.4 | 3627.1 |
| 10°    | 5185.3  | 4911.7  | 4616.7 | 4321.1 | 4077.8 | 3834.6 | 3628.6 | 3421.9 | 3284.3 | 3146.7 | 3042.6 |
| 12.5°  | 4859.2  | 4555.9  | 4231.4 | 3906.1 | 3662.8 | 3419.6 | 3288.9 | 3158.1 | 3044.1 | 2930.1 | 2810.0 |
| 15°    | 4730.0  | 4387.2  | 4055.0 | 3722.1 | 3500.9 | 3279.8 | 3134.6 | 2988.6 | 2835.9 | 2682.3 | 2534.9 |
| 17.5°  | 4844.0  | 4442.7  | 4081.6 | 3720.6 | 3431.0 | 3141.4 | 2938.5 | 2734.8 | 2533.4 | 2331.9 | 2160.9 |
| 20°    | 5199.7  | 4687.4  | 4215.4 | 3742.6 | 3357.3 | 2971.9 | 2699.8 | 2426.9 | 2168.5 | 1910.1 | 1716.3 |
| 22.5°  | 5699.1  | 5021.1  | 4404.7 | 3788.3 | 3290.4 | 2791.8 | 2450.5 | 2108.5 | 1802.9 | 1497.4 | 1307.3 |
| 25°    | 6305.6  | 5463.5  | 4677.6 | 3890.9 | 3263.0 | 2634.4 | 2214.9 | 1795.3 | 1473.0 | 1150.0 | 1014.7 |
| 27.5°  | 6944.9  | 5991.0  | 5016.5 | 4041.4 | 3267.6 | 2493.8 | 2016.5 | 1538.4 | 1248.1 | 957.7  | 865.0  |
| 30°    | 7477.7  | 6593.7  | 5411.8 | 4229.1 | 3285.1 | 2341.1 | 1829.5 | 1318.0 | 1078.6 | 839.1  | 779.1  |
| 32.5°  | 7964.9  | 7014.0  | 5709.7 | 4404.7 | 3304.8 | 2204.2 | 1685.1 | 1165.2 | 969.9  | 773.8  | 724.4  |
| 35°    | 8468.1  | 7387.2  | 5918.0 | 4448.0 | 3270.6 | 2092.5 | 1586.3 | 1080.1 | 899.9  | 719.0  | 677.2  |
| 37.5°  | 9022.2  | 7790.9  | 6118.7 | 4445.7 | 3212.9 | 1980.0 | 1509.5 | 1038.3 | 854.3  | 669.6  | 639.2  |
| 40°    | 9640.1  | 8237.0  | 6336.1 | 4435.1 | 3160.4 | 1885.0 | 1452.5 | 1019.3 | 829.3  | 638.5  | 612.6  |
| 42.5°  | 10244.4 | 8662.7  | 6538.2 | 4413.8 | 3117.9 | 1821.2 | 1396.3 | 971.4  | 806.4  | 640.8  | 604.3  |
| 45°    | 10698.2 | 9034.3  | 6713.8 | 4392.5 | 3085.9 | 1779.4 | 1352.2 | 925.0  | 785.2  | 645.3  | 598.9  |
| 47.5°  | 11042.5 | 9407.5  | 6908.4 | 4408.5 | 3082.9 | 1757.3 | 1321.0 | 884.7  | 744.9  | 604.3  | 585.3  |
| 50°    | 11480.3 | 9856.0  | 7191.9 | 4527.8 | 3124.7 | 1721.6 | 1284.5 | 846.7  | 706.1  | 565.5  | 591.3  |
| 52.5°  | 12025.3 | 10496.0 | 7631.2 | 4765.7 | 3212.1 | 1658.5 | 1226.8 | 795.0  | 659.0  | 522.2  | 562.5  |
| 55°    | 12825.6 | 11316.1 | 8192.9 | 5069.0 | 3317.8 | 1565.8 | 1139.4 | 712.2  | 596.7  | 480.4  | 516.1  |
| 57.5°  | 13543.9 | 12144.6 | 8731.8 | 5318.3 | 3383.9 | 1448.7 | 1029.2 | 609.6  | 526.7  | 443.9  | 464.4  |
| 60°    | 13863.9 | 12571.8 | 8984.2 | 5395.8 | 3344.4 | 1292.9 | 905.3  | 516.9  | 465.2  | 413.5  | 409.7  |
| 62.5°  | 13739.3 | 12300.4 | 8735.6 | 5170.8 | 3151.3 | 1131.8 | 795.8  | 459.9  | 421.1  | 381.6  | 373.2  |
| 65°    | 13374.4 | 11447.6 | 8039.4 | 4631.2 | 2825.2 | 1019.3 | 726.6  | 434.0  | 390.7  | 347.4  | 338.2  |
| 67.5°  | 12655.4 | 10233.8 | 7052.8 | 3871.9 | 2411.0 | 950.1  | 687.1  | 424.1  | 371.7  | 318.5  | 307.8  |
| 70°    | 11364.8 | 8772.9  | 5916.5 | 3059.3 | 1983.8 | 907.5  | 661.3  | 415.0  | 351.2  | 286.6  | 276.7  |
| 72.5°  | 9334.6  | 7033.8  | 4724.7 | 2414.8 | 1658.5 | 902.2  | 658.2  | 414.2  | 334.4  | 254.6  | 245.5  |
| 75°    | 6683.4  | 5342.6  | 3606.6 | 1869.8 | 1358.3 | 846.7  | 624.8  | 402.8  | 311.6  | 219.7  | 211.3  |
| 77.5°  | 4497.4  | 3697.8  | 2506.8 | 1314.9 | 1007.9 | 700.8  | 525.2  | 349.6  | 266.8  | 183.9  | 175.6  |
| 80°    | 2888.3  | 2559.2  | 1679.8 | 800.4  | 653.7  | 507.0  | 375.5  | 244.0  | 194.6  | 144.4  | 137.6  |
| 82.5°  | 2119.1  | 1904.8  | 1167.5 | 430.2  | 363.3  | 295.7  | 229.5  | 163.4  | 133.0  | 102.6  | 99.6   |
| 85°    | 1346.9  | 1485.2  | 859.7  | 234.1  | 191.5  | 149.0  | 123.1  | 97.3   | 76.8   | 56.2   | 56.2   |
| 87.5°  | 261.5   | 361.8   | 237.9  | 113.3  | 82.8   | 52.4   | 44.8   | 36.5   | 20.5   | 3.8    | 4.6    |
| 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°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 |
| 2.5°   | 5460.4 | 5408.0 | 5355.5 | 5296.3 | 5236.2 | 5180.7 | 5124.5 | 5062.9 | 5074.3 | 5027.2 | 4980.1 |
| 5°     | 4545.3 | 4461.7 | 4377.3 | 4304.4 | 4231.4 | 4168.3 | 4104.4 | 4047.4 | 4096.8 | 4063.4 | 4030.0 |
| 7.5°   | 3513.1 | 3409.7 | 3305.6 | 3218.2 | 3130.8 | 3063.1 | 2994.7 | 2947.6 | 2996.2 | 2990.2 | 2984.1 |
| 10°    | 2938.5 | 2838.2 | 2737.1 | 2640.5 | 2544.0 | 2461.9 | 2379.1 | 2309.1 | 2297.0 | 2262.0 | 2226.3 |
| 12.5°  | 2689.2 | 2551.6 | 2413.3 | 2312.2 | 2211.1 | 2113.0 | 2015.0 | 1932.9 | 1895.6 | 1837.9 | 1779.4 |
| 15°    | 2387.4 | 2224.8 | 2062.1 | 1947.3 | 1831.8 | 1736.8 | 1641.0 | 1570.3 | 1546.8 | 1501.9 | 1457.1 |
| 17.5°  | 1989.9 | 1812.0 | 1634.2 | 1517.9 | 1400.8 | 1324.8 | 1248.1 | 1200.9 | 1200.9 | 1188.0 | 1175.1 |
| 20°    | 1522.4 | 1363.6 | 1204.7 | 1115.8 | 1026.9 | 986.6  | 945.5  | 925.8  | 931.9  | 932.6  | 932.6  |
| 22.5°  | 1116.6 | 1019.3 | 922.0  | 886.3  | 849.8  | 835.3  | 820.9  | 812.5  | 815.6  | 816.3  | 817.1  |
| 25°    | 879.4  | 842.2  | 804.2  | 785.9  | 766.9  | 757.8  | 748.7  | 745.6  | 752.5  | 753.2  | 753.2  |
| 27.5°  | 772.2  | 749.4  | 725.9  | 714.5  | 702.3  | 698.5  | 694.7  | 689.4  | 696.2  | 696.2  | 695.5  |
| 30°    | 718.3  | 694.0  | 669.6  | 655.2  | 640.8  | 642.3  | 643.0  | 641.5  | 646.1  | 649.1  | 651.4  |
| 32.5°  | 674.2  | 650.6  | 627.1  | 612.6  | 597.4  | 595.1  | 592.9  | 591.3  | 601.2  | 606.5  | 611.9  |
| 35°    | 634.7  | 608.8  | 583.0  | 569.3  | 555.6  | 550.3  | 545.0  | 541.2  | 550.3  | 557.1  | 564.0  |
| 37.5°  | 608.1  | 581.5  | 554.1  | 541.2  | 527.5  | 520.7  | 513.8  | 509.3  | 513.1  | 516.1  | 519.1  |
| 40°    | 586.8  | 559.4  | 531.3  | 516.1  | 500.9  | 494.1  | 487.2  | 483.4  | 485.7  | 486.5  | 487.2  |
| 42.5°  | 567.0  | 540.4  | 513.8  | 497.1  | 479.6  | 471.3  | 462.9  | 458.3  | 459.9  | 461.4  | 462.1  |
| 45°    | 552.6  | 526.0  | 498.6  | 478.9  | 458.3  | 449.2  | 440.1  | 434.8  | 435.5  | 435.5  | 435.5  |
| 47.5°  | 566.3  | 527.5  | 488.0  | 465.2  | 441.6  | 431.0  | 420.3  | 415.0  | 413.5  | 412.0  | 410.4  |
| 50°    | 616.4  | 550.3  | 483.4  | 454.5  | 424.9  | 413.5  | 401.3  | 395.2  | 391.4  | 389.9  | 388.4  |
| 52.5°  | 602.0  | 545.0  | 487.2  | 450.0  | 412.0  | 398.3  | 384.6  | 374.7  | 370.9  | 368.6  | 366.4  |
| 55°    | 551.1  | 515.3  | 478.9  | 434.0  | 389.2  | 377.0  | 364.1  | 357.2  | 350.4  | 348.9  | 347.4  |
| 57.5°  | 484.2  | 469.7  | 455.3  | 409.7  | 364.1  | 352.7  | 340.5  | 336.0  | 329.9  | 329.9  | 329.1  |
| 60°    | 405.1  | 426.4  | 447.7  | 395.2  | 342.0  | 329.1  | 316.2  | 312.4  | 310.1  | 309.4  | 308.6  |
| 62.5°  | 364.1  | 399.0  | 433.2  | 377.8  | 321.5  | 307.8  | 294.2  | 289.6  | 288.8  | 289.6  | 289.6  |
| 65°    | 329.1  | 339.8  | 350.4  | 324.6  | 298.7  | 285.0  | 270.6  | 266.0  | 267.5  | 269.8  | 272.1  |
| 67.5°  | 297.2  | 294.9  | 292.6  | 283.5  | 273.6  | 262.2  | 250.1  | 245.5  | 246.3  | 249.3  | 252.3  |
| 70°    | 266.8  | 263.7  | 259.9  | 253.1  | 246.3  | 236.4  | 226.5  | 223.5  | 222.7  | 226.5  | 229.5  |
| 72.5°  | 236.4  | 232.6  | 228.0  | 222.7  | 216.6  | 208.3  | 199.9  | 197.6  | 198.4  | 200.7  | 202.9  |
| 75°    | 202.9  | 199.9  | 196.1  | 191.5  | 186.2  | 178.6  | 171.0  | 169.5  | 171.0  | 173.3  | 175.6  |
| 77.5°  | 166.5  | 165.7  | 164.2  | 160.4  | 156.6  | 148.2  | 139.1  | 138.3  | 140.6  | 142.9  | 144.4  |
| 80°    | 130.0  | 130.7  | 131.5  | 128.5  | 125.4  | 116.3  | 106.4  | 105.7  | 107.9  | 110.2  | 112.5  |
| 82.5°  | 95.8   | 98.1   | 99.6   | 95.8   | 92.0   | 81.3   | 70.7   | 69.2   | 76.8   | 79.0   | 81.3   |
| 85°    | 55.5   | 58.5   | 61.6   | 58.5   | 55.5   | 44.8   | 34.2   | 33.4   | 40.3   | 44.1   | 47.9   |
| 87.5°  | 4.6    | 6.1    | 7.6    | 6.8    | 6.1    | 3.0    | 0.0    | 0.0    | 0.8    | 3.8    | 6.8    |
| 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: P362323  
 CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 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: P362323

CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 |
| 2.5°   | 4950.4 | 4920.8 | 4911.7 | 4902.5 | 4869.1 | 4834.9 | 4869.9 | 4904.1 | 4918.5 | 4932.9 | 4895.7 |
| 5°     | 4025.4 | 4020.1 | 4020.1 | 4019.3 | 3988.9 | 3957.8 | 3981.3 | 4004.1 | 3953.2 | 3902.3 | 3896.9 |
| 7.5°   | 3016.8 | 3049.5 | 3076.1 | 3101.9 | 3092.0 | 3082.1 | 3104.2 | 3126.2 | 3061.6 | 2996.2 | 2964.3 |
| 10°    | 2233.9 | 2240.7 | 2269.6 | 2298.5 | 2305.3 | 2311.4 | 2338.8 | 2365.4 | 2315.2 | 2265.0 | 2243.0 |
| 12.5°  | 1742.9 | 1706.4 | 1710.2 | 1713.2 | 1726.9 | 1739.8 | 1768.7 | 1796.8 | 1776.3 | 1755.0 | 1757.3 |
| 15°    | 1411.5 | 1365.1 | 1346.1 | 1326.3 | 1341.5 | 1356.7 | 1377.3 | 1397.0 | 1397.8 | 1397.8 | 1417.6 |
| 17.5°  | 1152.3 | 1128.7 | 1109.7 | 1090.0 | 1110.5 | 1130.2 | 1132.5 | 1134.8 | 1135.6 | 1136.3 | 1134.8 |
| 20°    | 944.0  | 955.4  | 949.3  | 943.3  | 950.9  | 957.7  | 963.8  | 969.1  | 962.3  | 954.7  | 935.7  |
| 22.5°  | 827.7  | 837.6  | 845.2  | 852.1  | 865.0  | 877.1  | 871.1  | 864.2  | 850.5  | 836.1  | 821.6  |
| 25°    | 760.1  | 766.9  | 774.5  | 782.1  | 792.8  | 802.6  | 792.0  | 781.4  | 771.5  | 761.6  | 751.7  |
| 27.5°  | 703.1  | 709.9  | 716.8  | 722.8  | 732.7  | 741.8  | 732.0  | 722.1  | 713.7  | 705.4  | 697.8  |
| 30°    | 656.7  | 661.3  | 666.6  | 671.9  | 681.0  | 689.4  | 681.0  | 671.9  | 665.8  | 659.0  | 653.7  |
| 32.5°  | 617.2  | 621.7  | 624.0  | 626.3  | 634.7  | 643.0  | 636.9  | 630.9  | 625.5  | 620.2  | 616.4  |
| 35°    | 573.9  | 583.0  | 584.5  | 586.0  | 594.4  | 602.7  | 598.9  | 594.4  | 588.3  | 582.2  | 575.4  |
| 37.5°  | 529.8  | 540.4  | 546.5  | 551.8  | 560.2  | 568.5  | 564.7  | 560.9  | 552.6  | 544.2  | 532.1  |
| 40°    | 492.5  | 497.1  | 508.5  | 519.1  | 532.8  | 545.7  | 538.1  | 529.8  | 516.9  | 503.9  | 497.9  |
| 42.5°  | 461.4  | 460.6  | 471.3  | 481.9  | 502.4  | 522.2  | 508.5  | 494.8  | 482.7  | 470.5  | 469.0  |
| 45°    | 434.0  | 431.7  | 437.0  | 442.4  | 464.4  | 485.7  | 472.0  | 457.6  | 450.7  | 443.9  | 443.9  |
| 47.5°  | 409.7  | 408.2  | 412.0  | 415.0  | 428.7  | 441.6  | 434.8  | 427.9  | 424.1  | 420.3  | 421.1  |
| 50°    | 387.6  | 386.1  | 389.9  | 393.0  | 398.3  | 402.8  | 404.4  | 405.1  | 402.8  | 400.6  | 402.1  |
| 52.5°  | 367.1  | 367.1  | 368.6  | 369.4  | 376.2  | 383.1  | 383.1  | 382.3  | 382.3  | 382.3  | 383.8  |
| 55°    | 349.6  | 351.2  | 351.2  | 351.2  | 361.8  | 371.7  | 368.6  | 365.6  | 366.4  | 366.4  | 367.9  |
| 57.5°  | 332.2  | 334.4  | 336.0  | 337.5  | 348.1  | 358.8  | 355.7  | 352.7  | 352.7  | 352.7  | 353.4  |
| 60°    | 312.4  | 315.4  | 318.5  | 321.5  | 332.2  | 342.8  | 339.8  | 336.0  | 336.7  | 337.5  | 338.2  |
| 62.5°  | 293.4  | 296.4  | 299.5  | 302.5  | 313.2  | 323.8  | 320.8  | 317.0  | 319.2  | 320.8  | 320.8  |
| 65°    | 275.2  | 277.4  | 280.5  | 283.5  | 293.4  | 303.3  | 300.2  | 297.2  | 300.2  | 302.5  | 304.0  |
| 67.5°  | 254.6  | 256.1  | 259.2  | 262.2  | 272.1  | 282.0  | 279.0  | 275.2  | 279.0  | 282.0  | 285.0  |
| 70°    | 231.1  | 232.6  | 236.4  | 239.4  | 249.3  | 259.2  | 255.4  | 251.6  | 255.4  | 259.2  | 262.2  |
| 72.5°  | 205.2  | 206.7  | 210.5  | 213.6  | 225.0  | 236.4  | 231.8  | 227.3  | 231.8  | 236.4  | 237.9  |
| 75°    | 177.1  | 178.6  | 183.2  | 187.0  | 198.4  | 209.8  | 206.0  | 201.4  | 205.2  | 209.0  | 209.8  |
| 77.5°  | 146.7  | 149.0  | 155.1  | 161.1  | 170.3  | 179.4  | 177.1  | 174.8  | 177.1  | 179.4  | 179.4  |
| 80°    | 114.8  | 117.1  | 124.7  | 131.5  | 136.8  | 142.1  | 142.9  | 143.7  | 144.4  | 145.2  | 144.4  |
| 82.5°  | 85.1   | 88.2   | 95.0   | 101.9  | 101.9  | 101.9  | 107.9  | 113.3  | 113.3  | 112.5  | 111.7  |
| 85°    | 52.4   | 56.2   | 62.3   | 68.4   | 64.6   | 60.8   | 70.7   | 79.8   | 79.8   | 79.0   | 77.5   |
| 87.5°  | 10.6   | 14.4   | 20.5   | 25.8   | 22.0   | 18.2   | 28.1   | 38.0   | 38.8   | 38.8   | 37.2   |
| 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: P362323  
 CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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: P362323

CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 |
| 2.5°   | 4857.7 | 4917.0 | 4975.5 | 4990.7 | 5013.5 | 5023.4 | 5032.5 | 5107.0 | 5180.7 | 5267.4 | 5354.0 |
| 5°     | 3890.9 | 3934.9 | 3979.0 | 3985.9 | 4009.4 | 4021.6 | 4033.8 | 4124.2 | 4213.9 | 4334.8 | 4455.6 |
| 7.5°   | 2932.4 | 2943.0 | 2953.7 | 2952.2 | 2971.9 | 2998.5 | 3024.4 | 3120.9 | 3216.7 | 3346.6 | 3475.9 |
| 10°    | 2221.0 | 2245.3 | 2268.8 | 2290.9 | 2334.2 | 2384.4 | 2433.8 | 2532.6 | 2631.4 | 2759.9 | 2887.6 |
| 12.5°  | 1759.6 | 1787.7 | 1815.1 | 1839.4 | 1889.6 | 1956.5 | 2022.6 | 2141.2 | 2259.7 | 2413.3 | 2566.0 |
| 15°    | 1436.6 | 1434.3 | 1432.0 | 1448.7 | 1492.8 | 1565.8 | 1638.0 | 1763.4 | 1888.8 | 2057.5 | 2225.5 |
| 17.5°  | 1133.3 | 1121.9 | 1110.5 | 1123.4 | 1164.4 | 1224.5 | 1283.8 | 1390.2 | 1495.8 | 1659.3 | 1822.7 |
| 20°    | 916.7  | 909.1  | 901.5  | 913.6  | 939.5  | 964.5  | 989.6  | 1066.4 | 1142.4 | 1275.4 | 1407.7 |
| 22.5°  | 806.4  | 805.7  | 804.2  | 811.0  | 823.2  | 836.1  | 848.3  | 885.5  | 922.0  | 1007.9 | 1093.0 |
| 25°    | 741.8  | 741.1  | 740.3  | 743.4  | 753.2  | 763.1  | 773.0  | 797.3  | 821.6  | 862.7  | 903.7  |
| 27.5°  | 690.2  | 688.6  | 687.1  | 687.9  | 690.2  | 705.4  | 719.8  | 731.2  | 741.8  | 770.0  | 797.3  |
| 30°    | 648.4  | 647.6  | 646.8  | 646.8  | 644.6  | 649.9  | 655.2  | 672.7  | 689.4  | 718.3  | 747.2  |
| 32.5°  | 612.6  | 608.8  | 605.0  | 596.7  | 591.3  | 598.9  | 606.5  | 624.8  | 643.0  | 669.6  | 696.2  |
| 35°    | 567.8  | 557.9  | 547.3  | 542.7  | 543.5  | 551.1  | 558.7  | 576.9  | 594.4  | 623.3  | 651.4  |
| 37.5°  | 519.1  | 516.1  | 512.3  | 511.5  | 513.8  | 521.4  | 529.0  | 545.0  | 560.2  | 589.1  | 617.2  |
| 40°    | 491.8  | 490.3  | 488.7  | 487.2  | 488.7  | 496.3  | 503.9  | 519.1  | 533.6  | 561.7  | 589.1  |
| 42.5°  | 467.5  | 466.7  | 465.9  | 465.9  | 466.7  | 475.1  | 483.4  | 498.6  | 513.1  | 538.1  | 563.2  |
| 45°    | 443.9  | 444.6  | 444.6  | 446.2  | 448.4  | 456.8  | 464.4  | 481.1  | 497.9  | 522.2  | 546.5  |
| 47.5°  | 421.8  | 424.1  | 425.6  | 429.4  | 431.7  | 440.8  | 449.2  | 467.5  | 485.7  | 516.1  | 545.7  |
| 50°    | 402.8  | 405.1  | 406.6  | 409.7  | 415.8  | 426.4  | 437.0  | 459.1  | 480.4  | 531.3  | 581.5  |
| 52.5°  | 385.4  | 387.6  | 389.9  | 393.0  | 400.6  | 412.7  | 424.9  | 452.2  | 478.9  | 538.1  | 597.4  |
| 55°    | 369.4  | 371.7  | 373.2  | 377.8  | 385.4  | 396.0  | 405.9  | 439.3  | 472.8  | 516.1  | 559.4  |
| 57.5°  | 354.2  | 356.5  | 358.0  | 361.0  | 364.8  | 376.2  | 386.9  | 422.6  | 458.3  | 488.7  | 518.4  |
| 60°    | 338.2  | 339.8  | 340.5  | 340.5  | 343.6  | 356.5  | 369.4  | 415.0  | 459.9  | 454.5  | 448.4  |
| 62.5°  | 320.8  | 322.3  | 323.0  | 320.8  | 324.6  | 338.2  | 351.9  | 411.2  | 470.5  | 434.0  | 397.5  |
| 65°    | 304.8  | 304.0  | 303.3  | 301.0  | 305.6  | 319.2  | 332.2  | 361.8  | 391.4  | 377.0  | 362.6  |
| 67.5°  | 287.3  | 285.0  | 282.8  | 279.7  | 284.3  | 296.4  | 307.8  | 317.7  | 327.6  | 329.1  | 330.6  |
| 70°    | 265.3  | 262.2  | 259.2  | 258.4  | 260.7  | 270.6  | 280.5  | 287.3  | 293.4  | 296.4  | 298.7  |
| 72.5°  | 239.4  | 237.1  | 234.9  | 233.3  | 234.1  | 242.5  | 250.1  | 256.1  | 262.2  | 264.5  | 266.0  |
| 75°    | 210.5  | 210.5  | 209.8  | 205.2  | 205.2  | 212.1  | 218.1  | 223.5  | 228.8  | 231.8  | 234.9  |
| 77.5°  | 179.4  | 180.1  | 180.1  | 174.1  | 173.3  | 180.1  | 186.2  | 190.8  | 194.6  | 197.6  | 199.9  |
| 80°    | 143.7  | 142.1  | 140.6  | 136.8  | 135.3  | 143.7  | 151.3  | 155.1  | 158.1  | 158.9  | 158.9  |
| 82.5°  | 110.2  | 107.2  | 103.4  | 95.0   | 95.8   | 104.9  | 113.3  | 116.3  | 119.3  | 119.3  | 119.3  |
| 85°    | 75.2   | 69.2   | 62.3   | 55.5   | 56.2   | 66.1   | 75.2   | 78.3   | 81.3   | 82.8   | 83.6   |
| 87.5°  | 35.7   | 29.6   | 22.8   | 17.5   | 17.5   | 25.8   | 33.4   | 35.0   | 36.5   | 39.5   | 42.6   |
| 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: P362323  
 CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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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CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°    | 270°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°     | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8 | 5791.8  | 5791.8  |
| 2.5°   | 5420.2 | 5485.5 | 5553.2 | 5620.8 | 5698.3 | 5775.9 | 5866.3 | 5956.0 | 6032.8 | 6109.5  | 6173.4  |
| 5°     | 4559.7 | 4663.9 | 4786.2 | 4908.6 | 5064.4 | 5220.3 | 5411.0 | 5601.1 | 5770.6 | 5940.0  | 6136.9  |
| 7.5°   | 3611.9 | 3747.2 | 3906.8 | 4066.4 | 4267.9 | 4469.3 | 4716.3 | 4963.3 | 5202.8 | 5441.4  | 5743.9  |
| 10°    | 3029.7 | 3171.8 | 3329.2 | 3485.7 | 3691.0 | 3895.4 | 4156.9 | 4417.6 | 4686.7 | 4955.0  | 5297.0  |
| 12.5°  | 2724.1 | 2881.5 | 3019.8 | 3158.1 | 3324.6 | 3490.3 | 3743.4 | 3996.5 | 4312.7 | 4628.1  | 4957.3  |
| 15°    | 2398.1 | 2569.8 | 2735.5 | 2901.2 | 3082.9 | 3263.8 | 3510.1 | 3756.3 | 4102.2 | 4448.0  | 4826.5  |
| 17.5°  | 2003.6 | 2184.5 | 2386.7 | 2588.1 | 2825.2 | 3061.6 | 3377.0 | 3692.5 | 4102.2 | 4511.1  | 4957.3  |
| 20°    | 1592.4 | 1777.1 | 2018.8 | 2260.5 | 2555.4 | 2849.6 | 3258.5 | 3667.4 | 4219.2 | 4770.3  | 5339.6  |
| 22.5°  | 1256.4 | 1419.1 | 1682.8 | 1945.8 | 2286.3 | 2626.8 | 3151.3 | 3675.0 | 4396.3 | 5116.9  | 5885.3  |
| 25°    | 1018.5 | 1133.3 | 1392.5 | 1650.9 | 2043.9 | 2436.8 | 3085.9 | 3734.3 | 4654.0 | 5572.9  | 6526.1  |
| 27.5°  | 872.6  | 947.8  | 1189.5 | 1430.5 | 1859.9 | 2288.6 | 3059.3 | 3829.3 | 4980.8 | 6132.4  | 7223.1  |
| 30°    | 799.6  | 852.1  | 1056.5 | 1260.2 | 1696.5 | 2132.8 | 3027.4 | 3922.0 | 5295.5 | 6668.2  | 7768.0  |
| 32.5°  | 738.8  | 780.6  | 955.4  | 1129.5 | 1555.1 | 1980.8 | 2965.8 | 3950.2 | 5515.2 | 7080.2  | 8229.4  |
| 35°    | 687.1  | 722.1  | 874.1  | 1026.1 | 1444.2 | 1862.2 | 2862.5 | 3862.7 | 5652.7 | 7442.7  | 8709.8  |
| 37.5°  | 645.3  | 672.7  | 813.3  | 953.9  | 1348.4 | 1742.9 | 2744.7 | 3746.4 | 5775.1 | 7803.8  | 9250.2  |
| 40°    | 612.6  | 636.2  | 767.7  | 899.2  | 1257.2 | 1615.2 | 2643.6 | 3671.2 | 5943.8 | 8216.5  | 9821.0  |
| 42.5°  | 594.4  | 624.8  | 728.2  | 830.8  | 1170.5 | 1510.3 | 2562.2 | 3614.2 | 6100.4 | 8585.9  | 10320.4 |
| 45°    | 589.8  | 633.1  | 707.6  | 782.1  | 1105.9 | 1429.7 | 2490.0 | 3549.6 | 6201.5 | 8853.4  | 10696.6 |
| 47.5°  | 582.2  | 617.9  | 691.7  | 765.4  | 1074.0 | 1381.8 | 2451.3 | 3519.9 | 6302.6 | 9084.5  | 11009.0 |
| 50°    | 586.8  | 591.3  | 678.8  | 765.4  | 1069.4 | 1373.5 | 2495.4 | 3617.2 | 6521.5 | 9425.0  | 11366.3 |
| 52.5°  | 578.4  | 558.7  | 654.4  | 750.2  | 1068.7 | 1387.2 | 2622.3 | 3857.4 | 6928.2 | 9998.1  | 11753.2 |
| 55°    | 534.3  | 508.5  | 608.8  | 709.2  | 1052.7 | 1395.5 | 2773.5 | 4150.8 | 7473.9 | 10796.2 | 12448.6 |
| 57.5°  | 495.6  | 472.0  | 557.1  | 641.5  | 1004.1 | 1366.6 | 2929.4 | 4491.3 | 8050.8 | 11609.5 | 13232.3 |
| 60°    | 443.9  | 438.6  | 499.4  | 560.2  | 928.8  | 1296.7 | 3057.8 | 4818.2 | 8438.4 | 12058.0 | 13534.0 |
| 62.5°  | 401.3  | 404.4  | 449.2  | 494.1  | 834.6  | 1174.3 | 3100.4 | 5025.7 | 8427.8 | 11829.9 | 13230.0 |
| 65°    | 368.6  | 374.0  | 418.0  | 462.1  | 754.0  | 1045.9 | 2960.5 | 4874.4 | 8001.4 | 11127.6 | 12628.8 |
| 67.5°  | 336.7  | 342.8  | 395.2  | 446.9  | 682.6  | 917.4  | 2610.9 | 4303.6 | 7234.5 | 10164.6 | 11864.1 |
| 70°    | 306.3  | 313.9  | 370.9  | 427.9  | 630.9  | 833.1  | 2160.2 | 3487.3 | 6274.5 | 9061.0  | 10978.6 |
| 72.5°  | 273.6  | 281.2  | 342.0  | 402.8  | 598.2  | 792.8  | 1761.1 | 2728.7 | 5091.8 | 7454.1  | 9390.8  |
| 75°    | 240.2  | 245.5  | 311.6  | 377.0  | 553.3  | 729.7  | 1381.8 | 2033.2 | 3896.9 | 5760.7  | 7093.1  |
| 77.5°  | 206.7  | 213.6  | 269.1  | 323.8  | 469.7  | 614.9  | 1041.3 | 1467.7 | 2859.4 | 4250.4  | 4932.9  |
| 80°    | 164.9  | 171.0  | 210.5  | 249.3  | 362.6  | 475.1  | 716.0  | 956.9  | 1967.9 | 2978.8  | 3363.4  |
| 82.5°  | 126.2  | 133.0  | 159.6  | 185.5  | 258.4  | 331.4  | 434.0  | 536.6  | 1307.3 | 2077.3  | 2109.2  |
| 85°    | 86.6   | 88.9   | 107.9  | 126.2  | 159.6  | 193.1  | 248.5  | 304.0  | 865.0  | 1425.9  | 1188.0  |
| 87.5°  | 43.3   | 43.3   | 56.2   | 69.2   | 85.9   | 102.6  | 131.5  | 159.6  | 276.7  | 393.7   | 226.5   |
| 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):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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: P362323

CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  |
| 2.5°   | 6254.7  | 6310.2  | 6366.5  | 6409.0  | 6452.3  | 6514.7  | 6577.0  | 6588.4  | 6600.6  | 6576.2  | 6551.9  |
| 5°     | 6335.3  | 6503.3  | 6672.0  | 6827.8  | 6983.6  | 7077.1  | 7170.6  | 7189.6  | 7208.6  | 7150.1  | 7090.8  |
| 7.5°   | 6036.6  | 6329.2  | 6621.8  | 6890.2  | 7158.5  | 7321.1  | 7484.5  | 7521.0  | 7558.3  | 7462.5  | 7366.7  |
| 10°    | 5637.5  | 5997.1  | 6356.6  | 6710.0  | 7063.5  | 7299.8  | 7536.2  | 7583.3  | 7630.5  | 7511.1  | 7391.8  |
| 12.5°  | 5328.9  | 5712.8  | 6096.6  | 6469.1  | 6842.3  | 7087.0  | 7331.8  | 7390.3  | 7448.8  | 7362.2  | 7274.8  |
| 15°    | 5233.9  | 5595.0  | 5956.0  | 6280.6  | 6605.9  | 6805.8  | 7006.4  | 7030.0  | 7054.3  | 7040.6  | 7027.0  |
| 17.5°  | 5406.5  | 5732.5  | 6059.4  | 6235.7  | 6412.8  | 6492.6  | 6573.2  | 6599.0  | 6625.6  | 6659.8  | 6694.8  |
| 20°    | 5824.5  | 6054.1  | 6284.4  | 6276.8  | 6268.4  | 6229.6  | 6190.1  | 6183.3  | 6176.4  | 6274.5  | 6373.3  |
| 22.5°  | 6448.5  | 6539.8  | 6631.7  | 6418.1  | 6204.6  | 6074.6  | 5943.8  | 5918.0  | 5891.4  | 5995.5  | 6100.4  |
| 25°    | 7125.8  | 7109.1  | 7091.6  | 6684.9  | 6277.5  | 6029.7  | 5782.0  | 5753.1  | 5724.2  | 5813.1  | 5902.8  |
| 27.5°  | 7796.2  | 7686.7  | 7577.3  | 7024.7  | 6472.1  | 6112.6  | 5753.1  | 5724.2  | 5695.3  | 5774.4  | 5853.4  |
| 30°    | 8287.9  | 8112.4  | 7936.8  | 7311.2  | 6685.7  | 6258.5  | 5831.4  | 5784.2  | 5736.3  | 5833.6  | 5930.9  |
| 32.5°  | 8671.8  | 8436.2  | 8200.5  | 7543.8  | 6887.1  | 6425.0  | 5962.9  | 5889.1  | 5815.4  | 5945.4  | 6075.3  |
| 35°    | 9054.9  | 8723.5  | 8391.3  | 7751.3  | 7110.6  | 6621.8  | 6132.4  | 6041.9  | 5951.5  | 6130.1  | 6308.7  |
| 37.5°  | 9536.8  | 9061.0  | 8584.4  | 7984.7  | 7385.0  | 6916.8  | 6447.8  | 6355.1  | 6262.3  | 6489.6  | 6717.6  |
| 40°    | 10059.7 | 9425.0  | 8790.4  | 8240.1  | 7689.8  | 7324.9  | 6959.3  | 6871.2  | 6782.2  | 7058.9  | 7335.6  |
| 42.5°  | 10494.5 | 9764.0  | 9033.6  | 8547.9  | 8061.4  | 7804.5  | 7546.9  | 7546.1  | 7544.6  | 7825.1  | 8105.5  |
| 45°    | 10847.9 | 10046.8 | 9244.9  | 8848.1  | 8450.6  | 8316.8  | 8183.1  | 8290.2  | 8397.4  | 8650.5  | 8904.4  |
| 47.5°  | 11111.7 | 10283.9 | 9455.4  | 9191.7  | 8927.9  | 8947.7  | 8967.5  | 9185.6  | 9403.7  | 9566.4  | 9729.8  |
| 50°    | 11283.4 | 10499.0 | 9713.9  | 9632.5  | 9551.2  | 9728.3  | 9906.2  | 10156.2 | 10407.1 | 10518.0 | 10629.0 |
| 52.5°  | 11533.5 | 10790.9 | 10047.5 | 10138.7 | 10230.0 | 10591.8 | 10953.6 | 11206.7 | 11459.8 | 11500.8 | 11542.6 |
| 55°    | 12111.9 | 11327.5 | 10542.4 | 10717.2 | 10892.8 | 11423.3 | 11954.6 | 12152.2 | 12349.8 | 12365.0 | 12380.2 |
| 57.5°  | 12933.6 | 12079.2 | 11224.9 | 11413.4 | 11601.9 | 12214.5 | 12827.9 | 13040.7 | 13254.3 | 13224.7 | 13194.3 |
| 60°    | 13548.5 | 12793.0 | 12036.7 | 12226.7 | 12416.7 | 13014.1 | 13611.6 | 13856.3 | 14101.8 | 14036.5 | 13971.1 |
| 62.5°  | 13586.5 | 13182.9 | 12778.5 | 12950.3 | 13122.8 | 13708.1 | 14293.4 | 14544.9 | 14796.5 | 14682.5 | 14568.5 |
| 65°    | 12982.2 | 13163.1 | 13344.0 | 13401.0 | 13458.0 | 14003.8 | 14550.3 | 14742.6 | 14935.6 | 14877.9 | 14820.1 |
| 67.5°  | 12149.9 | 12816.5 | 13483.9 | 13369.1 | 13254.3 | 13510.5 | 13766.6 | 13965.0 | 14163.4 | 14130.7 | 14097.3 |
| 70°    | 11319.2 | 12209.2 | 13099.3 | 12535.3 | 11970.5 | 11864.9 | 11759.2 | 11972.8 | 12187.2 | 12054.9 | 11921.9 |
| 72.5°  | 9904.6  | 10853.2 | 11802.6 | 10763.5 | 9724.5  | 9363.5  | 9002.4  | 9273.8  | 9545.1  | 9334.6  | 9123.3  |
| 75°    | 7774.9  | 8823.0  | 9872.0  | 8632.3  | 7392.6  | 6910.7  | 6428.8  | 6662.1  | 6895.5  | 6751.1  | 6605.9  |
| 77.5°  | 5788.0  | 6821.0  | 7853.9  | 6593.7  | 5332.7  | 4974.7  | 4616.0  | 4685.2  | 4755.1  | 4730.8  | 4705.7  |
| 80°    | 3925.8  | 4645.6  | 5366.2  | 4527.1  | 3687.9  | 3715.3  | 3743.4  | 3710.7  | 3677.3  | 3725.9  | 3774.6  |
| 82.5°  | 2505.2  | 3060.9  | 3617.2  | 3171.8  | 2726.4  | 2981.8  | 3237.2  | 3111.8  | 2985.6  | 3032.0  | 3079.1  |
| 85°    | 1429.7  | 1973.2  | 2517.4  | 2346.4  | 2174.6  | 2323.6  | 2473.3  | 2278.7  | 2084.1  | 2169.3  | 2255.2  |
| 87.5°  | 377.0   | 1091.5  | 1806.7  | 1640.3  | 1473.8  | 1280.7  | 1087.7  | 830.0   | 572.3   | 836.1   | 1099.8  |
| 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: P362323  
 CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 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: P362323

CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  | 5791.8  |
| 2.5°   | 6539.0  | 6526.1  | 6479.7  | 6432.6  | 6362.7  | 6304.9  | 6204.6  |
| 5°     | 7008.7  | 6926.6  | 6785.3  | 6643.1  | 6485.0  | 6303.4  | 6101.9  |
| 7.5°   | 7175.2  | 6982.9  | 6711.5  | 6439.4  | 6194.7  | 5907.4  | 5639.8  |
| 10°    | 7104.5  | 6816.4  | 6463.7  | 6110.3  | 5813.1  | 5482.5  | 5185.3  |
| 12.5°  | 6969.2  | 6662.9  | 6274.5  | 5885.3  | 5547.1  | 5192.1  | 4859.2  |
| 15°    | 6783.0  | 6538.2  | 6174.2  | 5810.1  | 5469.6  | 5124.5  | 4730.0  |
| 17.5°  | 6579.3  | 6463.0  | 6200.0  | 5936.2  | 5641.3  | 5306.9  | 4844.0  |
| 20°    | 6415.1  | 6457.7  | 6352.8  | 6247.9  | 6011.5  | 5719.6  | 5199.7  |
| 22.5°  | 6304.1  | 6508.6  | 6589.2  | 6670.5  | 6528.4  | 6300.3  | 5699.1  |
| 25°    | 6241.8  | 6580.8  | 6850.6  | 7121.2  | 7058.1  | 6882.6  | 6305.6  |
| 27.5°  | 6269.2  | 6684.9  | 7103.7  | 7523.3  | 7581.8  | 7533.2  | 6944.9  |
| 30°    | 6351.3  | 6772.3  | 7282.4  | 7793.1  | 8026.5  | 8091.8  | 7477.7  |
| 32.5°  | 6488.1  | 6900.8  | 7456.4  | 8012.8  | 8365.5  | 8573.7  | 7964.9  |
| 35°    | 6694.8  | 7080.9  | 7660.1  | 8239.3  | 8695.4  | 9075.4  | 8468.1  |
| 37.5°  | 7049.8  | 7381.9  | 7916.3  | 8451.4  | 9042.7  | 9613.5  | 9022.2  |
| 40°    | 7569.7  | 7804.5  | 8256.0  | 8708.3  | 9452.4  | 10223.1 | 9640.1  |
| 42.5°  | 8225.6  | 8346.5  | 8704.5  | 9062.5  | 9880.3  | 10776.5 | 10244.4 |
| 45°    | 8936.3  | 8968.2  | 9193.2  | 9418.9  | 10219.3 | 11153.5 | 10698.2 |
| 47.5°  | 9620.4  | 9510.9  | 9600.6  | 9690.3  | 10479.3 | 11422.5 | 11042.5 |
| 50°    | 10324.2 | 10019.4 | 9972.3  | 9925.2  | 10739.2 | 11739.5 | 11480.3 |
| 52.5°  | 11040.2 | 10537.8 | 10351.6 | 10164.6 | 11049.3 | 12159.8 | 12025.3 |
| 55°    | 11741.0 | 11101.8 | 10850.9 | 10600.1 | 11523.6 | 12672.9 | 12825.6 |
| 57.5°  | 12469.9 | 11745.6 | 11513.0 | 11280.4 | 12220.6 | 13322.7 | 13543.9 |
| 60°    | 13254.3 | 12536.8 | 12350.6 | 12163.6 | 13087.1 | 14025.1 | 13863.9 |
| 62.5°  | 13998.4 | 13428.4 | 13330.3 | 13231.5 | 13963.5 | 14564.7 | 13739.3 |
| 65°    | 14495.5 | 14170.2 | 14261.4 | 14353.4 | 14626.3 | 14699.2 | 13374.4 |
| 67.5°  | 14163.4 | 14229.5 | 14614.9 | 15001.0 | 14813.3 | 14299.4 | 12655.4 |
| 70°    | 12317.9 | 12714.7 | 13627.5 | 14541.1 | 14124.6 | 13228.5 | 11364.8 |
| 72.5°  | 9568.7  | 10014.9 | 11370.1 | 12726.1 | 12342.2 | 11244.7 | 9334.6  |
| 75°    | 7109.1  | 7613.0  | 9108.8  | 10604.7 | 10071.9 | 8411.1  | 6683.4  |
| 77.5°  | 5043.2  | 5380.6  | 6857.5  | 8335.1  | 7466.3  | 5598.8  | 4497.4  |
| 80°    | 3671.2  | 3567.8  | 4391.0  | 5214.2  | 5069.8  | 3703.1  | 2888.3  |
| 82.5°  | 2826.7  | 2574.4  | 2962.0  | 3349.7  | 3328.4  | 2569.8  | 2119.1  |
| 85°    | 2154.1  | 2053.0  | 2395.8  | 2738.6  | 2445.2  | 1740.6  | 1346.9  |
| 87.5°  | 1255.7  | 1412.2  | 1815.8  | 2220.2  | 1666.1  | 528.3   | 261.5   |
| 90°    | 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     |
| 95°    | 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     |
| 100°   | 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     |
| 105°   | 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     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P362323

CATALOG NUMBER: NVN-SA3C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 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  |
| 117.5° | 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  |
| 122.5° | 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  |
| 127.5° | 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  |
| 132.5° | 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  |
| 137.5° | 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  |
| 142.5° | 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  |
| 147.5° | 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  |
| 152.5° | 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  |
| 157.5° | 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  |
| 162.5° | 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  |
| 167.5° | 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  |
| 172.5° | 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  |
| 177.5° | 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  |

LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-4-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-750-U-5WQ

Data in this report applies to families of products SA1C-760-U-5WQ .

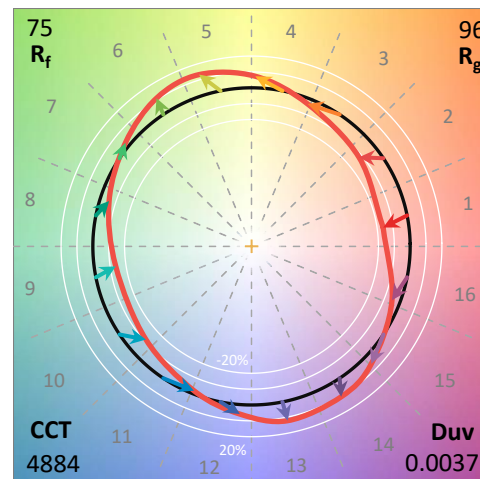
### Test Information

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-4-R4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/28/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW-EDISON  
 Catalog Number: **SA1C-750-U-5WQ**  
 Description: MCGRAW EDISON ROADWAY AND AREA LUMINAIRE

\*\*\*THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.\*\*\*TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

### Spectral Parameters

|                           |        |           |      |      |       |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K):                  | 4884   | CRI (Ra): | 73.5 |      |       |
| CIE u':                   | 0.2101 | R1:       | 70.5 | R9:  | -28.4 |
| CIE v':                   | 0.4904 | R2:       | 77.7 | R10: | 48.6  |
| Duv:                      | 0.0037 | R3:       | 84.6 | R11: | 73.2  |
| CIE x:                    | 0.3493 | R4:       | 74.7 | R12: | 50.7  |
| CIE y:                    | 0.3624 | R5:       | 71.9 | R13: | 71.2  |
| CIE z:                    | 0.2884 | R6:       | 70.7 | R14: | 91.4  |
| Peak Wavelength (nm):     | 444    | R7:       | 81.2 |      |       |
| Dominant Wavelength (nm): | 571    | R8:       | 56.9 |      |       |
| Purity:                   | 13.7   |           |      |      |       |
| Rf:                       | 74.9   |           |      |      |       |
| Rg:                       | 96.3   |           |      |      |       |



### Test Conditions

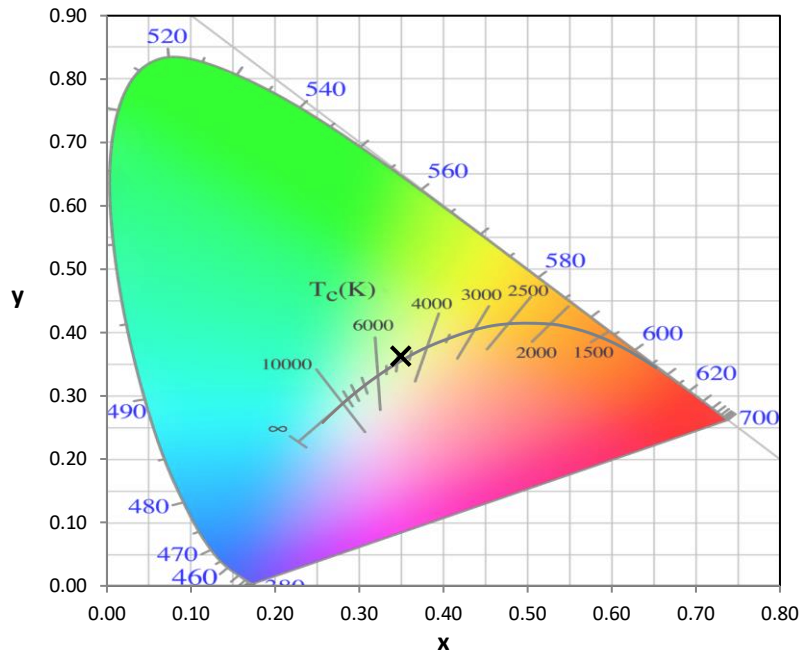
Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-4-R4

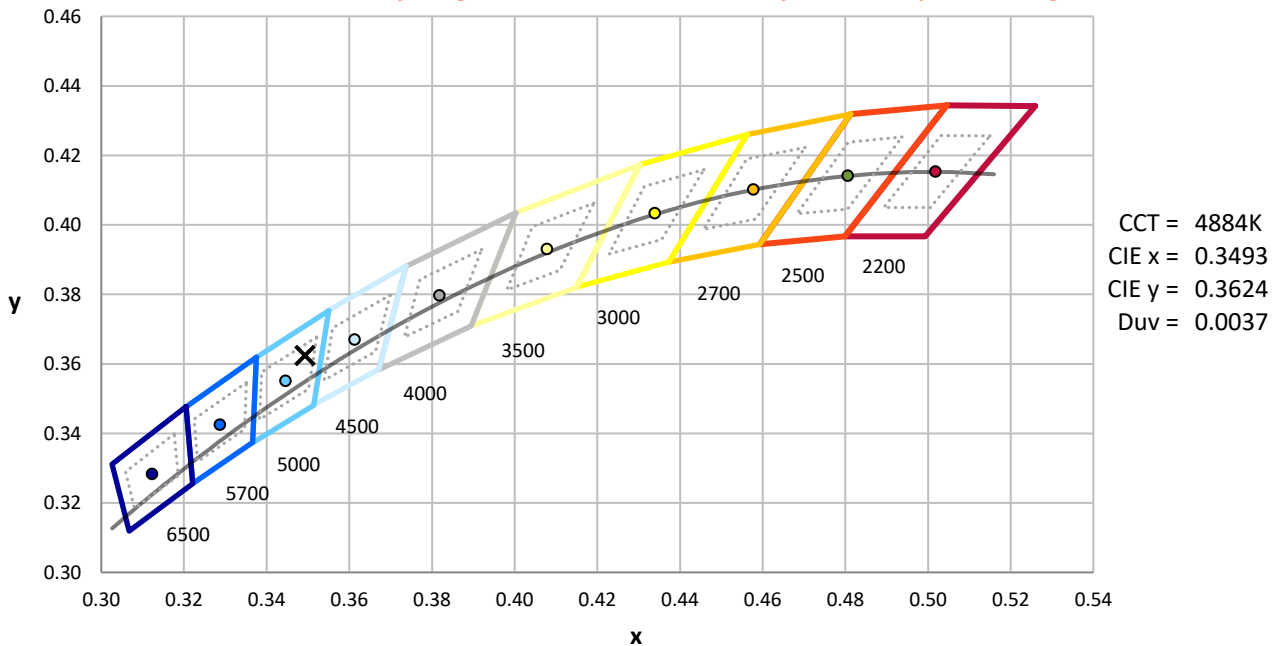
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | IN0058                | 6/28/2019        | 12/28/2019           |
| Power Meter                    | IN0071                | 12/5/2018        | 12/5/2019            |
| AC Power Source                | IN0063                | 12/5/2018        | 12/5/2019            |
| DC Power Source                | IN0208                | 12/5/2018        | 12/5/2019            |
| Sphere Thermometer             | IN0085                | 12/5/2018        | 12/5/2019            |
| Room Thermometer               | IN0046                | 12/5/2018        | 12/5/2019            |

REPORT NUMBER: SP1-1908-441-4-R4

CIE 1931 Chromaticity Diagram



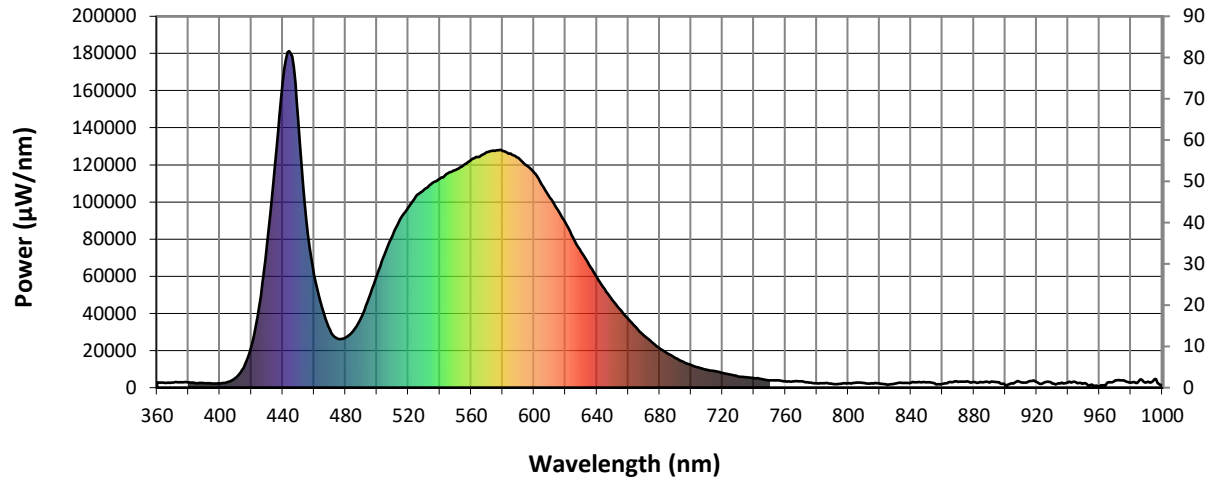
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-4-R4

**Photopic Flux vs. Wavelength**

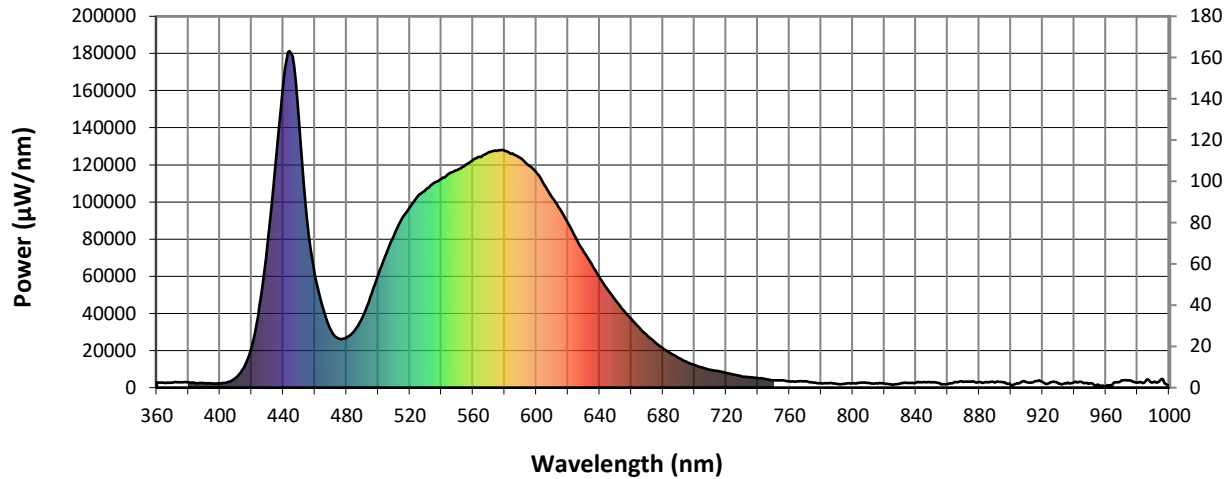


#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

Scotopic Flux vs. Wavelength



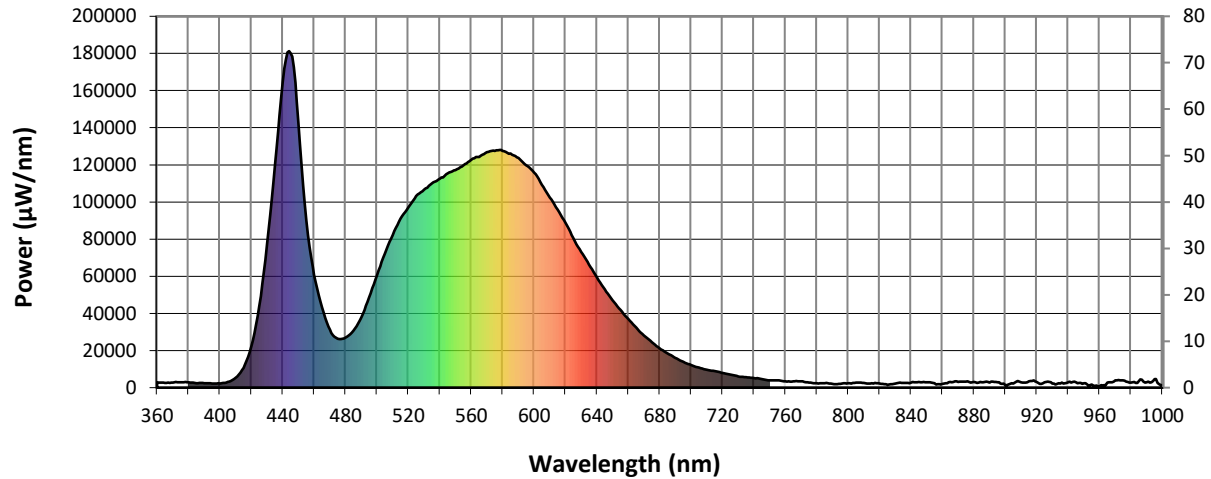
Scotopic Lumens: 13493.5

S/P: 1.77

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5378.9**

**M/P: 0.71**

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

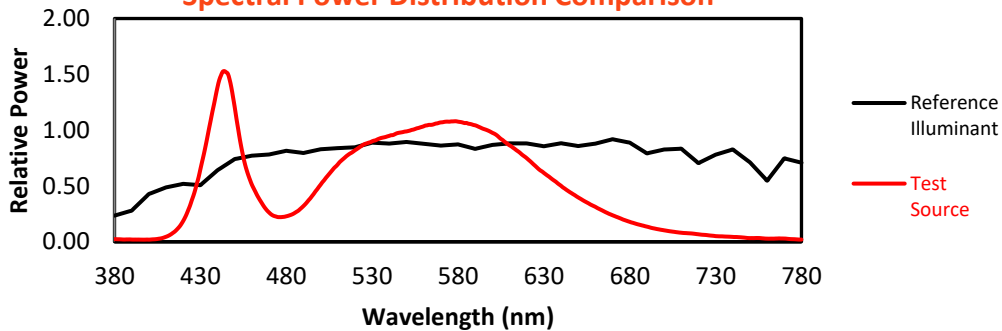
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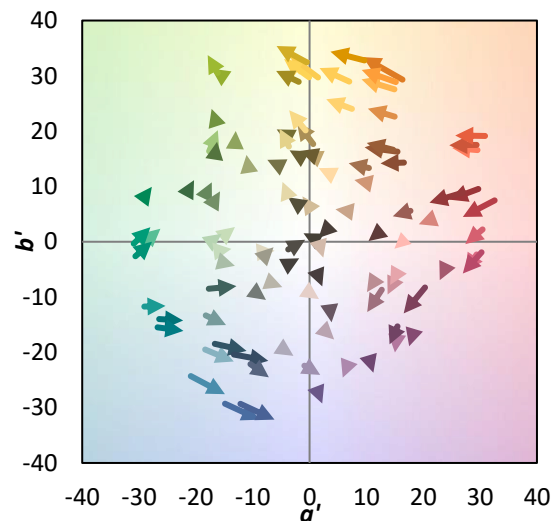
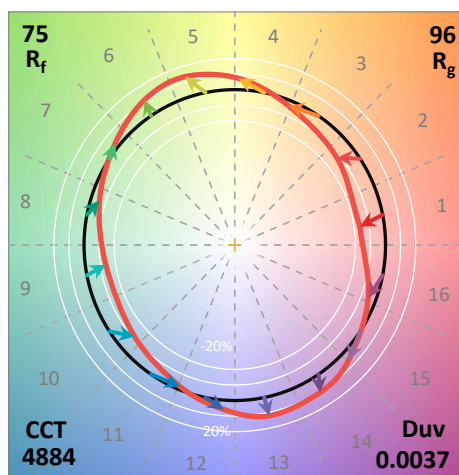
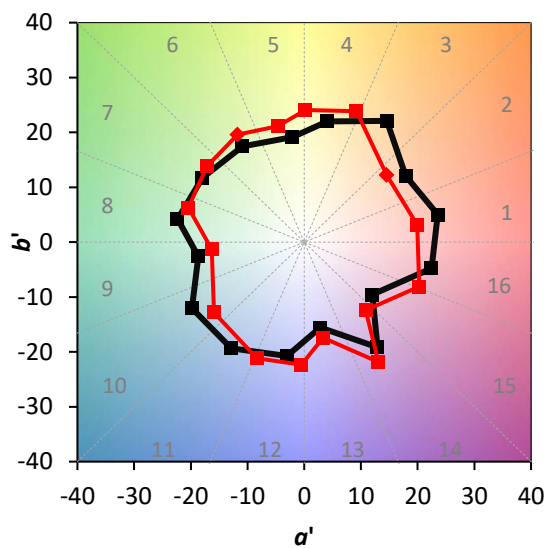
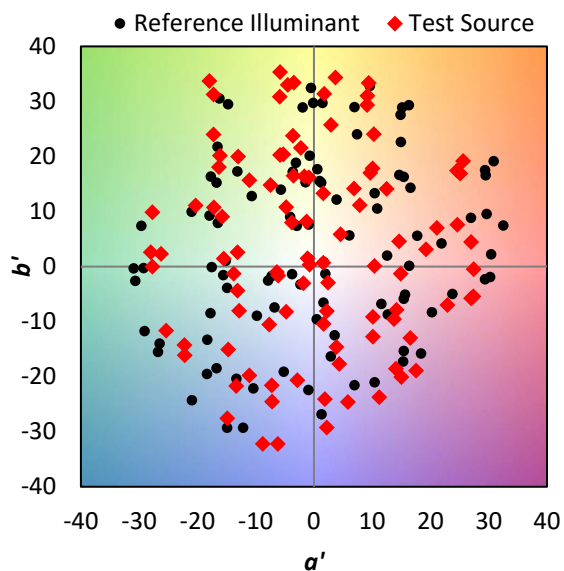
**Summary**

$R_f = 74.9$   
 $R_g = 96.3$   
 CIE  $R_a = 73.5$   
 $R_g = -28.4$

**Spectral Power Distribution Comparison**



**Color Vector Graphics**

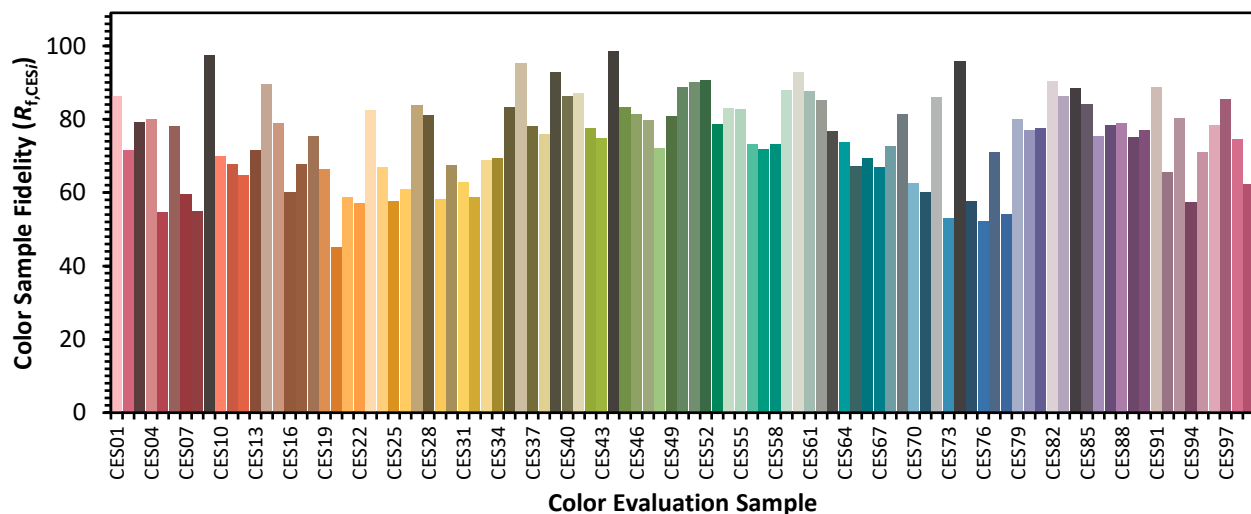


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

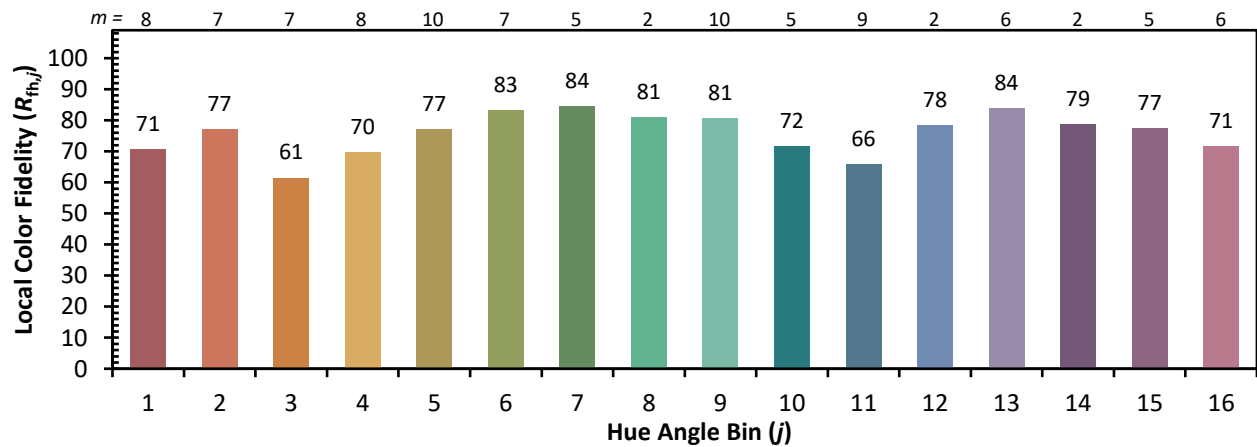
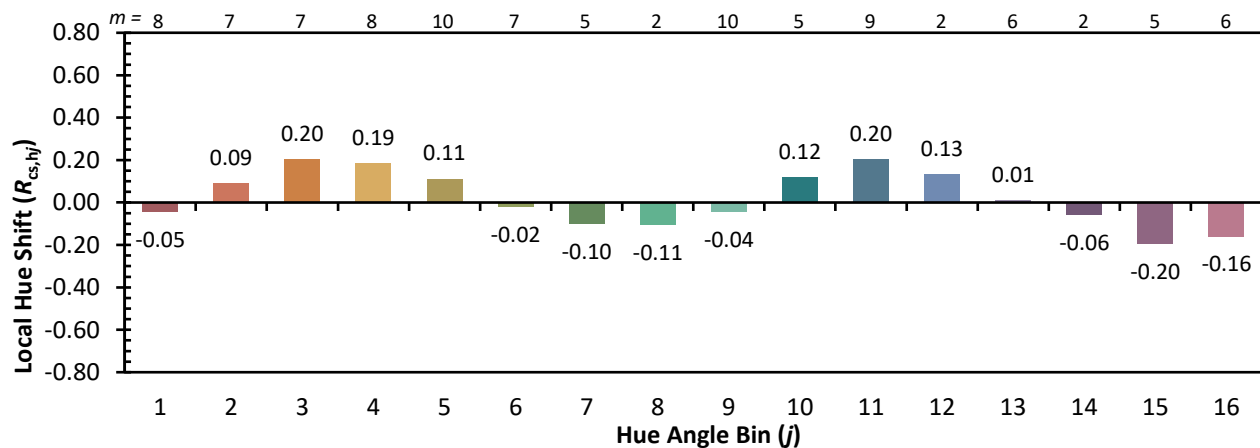
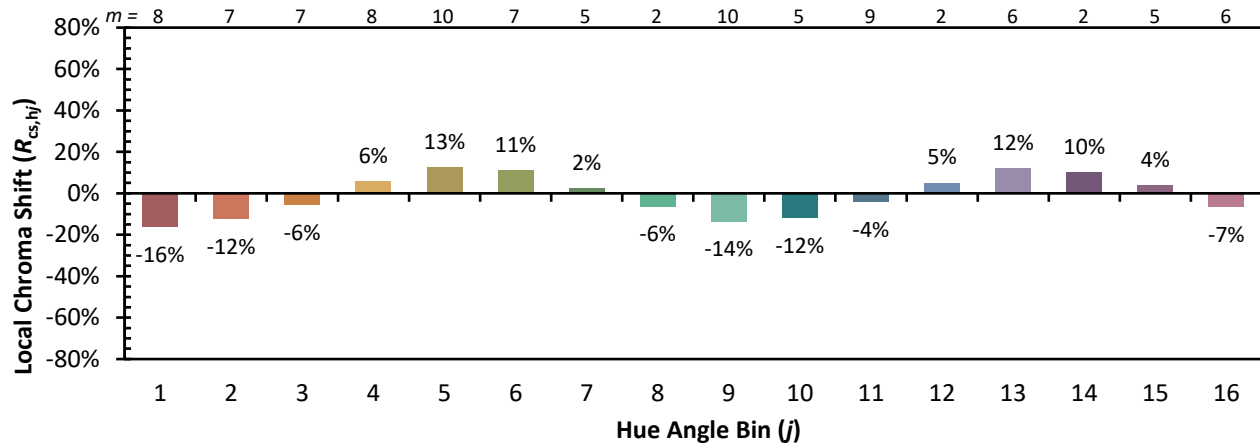
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 61 | CES51 = 90 | CES76 = 52 |
| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 83 | CES79 = 80 |
| CES05 = 46 | CES30 = 67 | CES55 = 83 | CES80 = 77 |
| CES06 = 50 | CES31 = 63 | CES56 = 73 | CES81 = 77 |
| CES07 = 39 | CES32 = 59 | CES57 = 72 | CES82 = 90 |
| CES08 = 38 | CES33 = 69 | CES58 = 73 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 88 | CES84 = 88 |
| CES10 = 73 | CES35 = 83 | CES60 = 93 | CES85 = 84 |
| CES11 = 56 | CES36 = 95 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 78 | CES62 = 85 | CES87 = 78 |
| CES13 = 41 | CES38 = 76 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 93 | CES64 = 74 | CES89 = 75 |
| CES15 = 70 | CES40 = 86 | CES65 = 67 | CES90 = 77 |
| CES16 = 46 | CES41 = 87 | CES66 = 69 | CES91 = 89 |
| CES17 = 49 | CES42 = 78 | CES67 = 67 | CES92 = 66 |
| CES18 = 55 | CES43 = 75 | CES68 = 73 | CES93 = 80 |
| CES19 = 71 | CES44 = 99 | CES69 = 81 | CES94 = 57 |
| CES20 = 64 | CES45 = 83 | CES70 = 63 | CES95 = 71 |
| CES21 = 85 | CES46 = 81 | CES71 = 60 | CES96 = 78 |
| CES22 = 77 | CES47 = 80 | CES72 = 86 | CES97 = 85 |
| CES23 = 91 | CES48 = 72 | CES73 = 53 | CES98 = 75 |
| CES24 = 90 | CES49 = 81 | CES74 = 96 | CES99 = 62 |
| CES25 = 71 | CES50 = 89 | CES75 = 58 |            |



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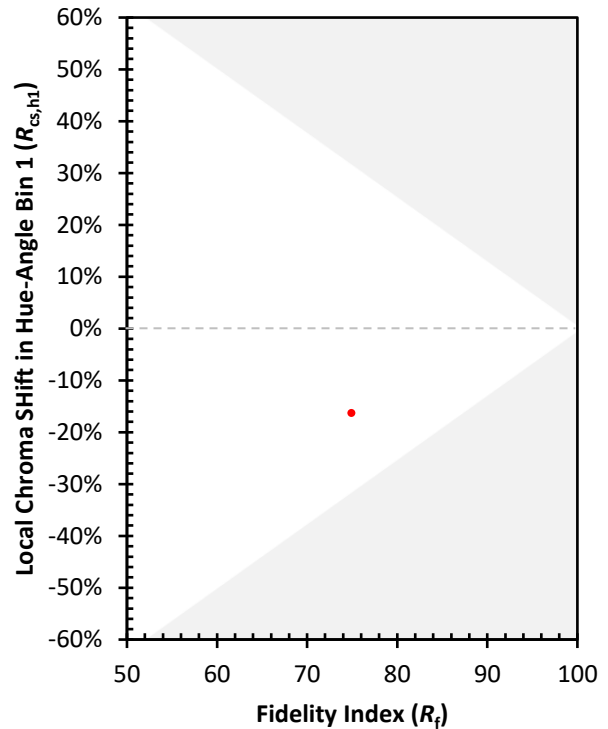
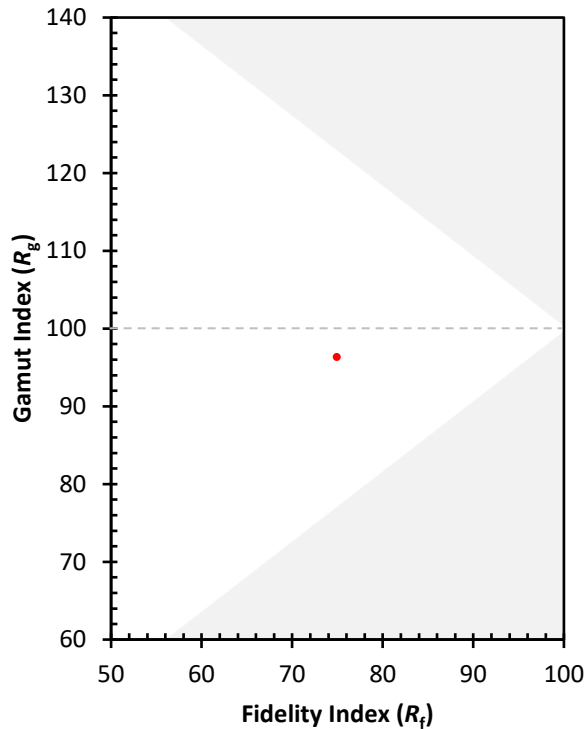
**Color Rendition by Hue-Angle Bin**



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**Measure Comparisons**



(END OF REPORT)