

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: STREETWORKS

Report Number: P588499

Luminaire Tested: **ARC-CA6-70-730-U-33-6-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588499  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-70-730-U-33-6-5-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE III REFRACTOR  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6856 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

Input Watts (W): 73.9  
Input Voltage (V): 120  
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: 25 FT



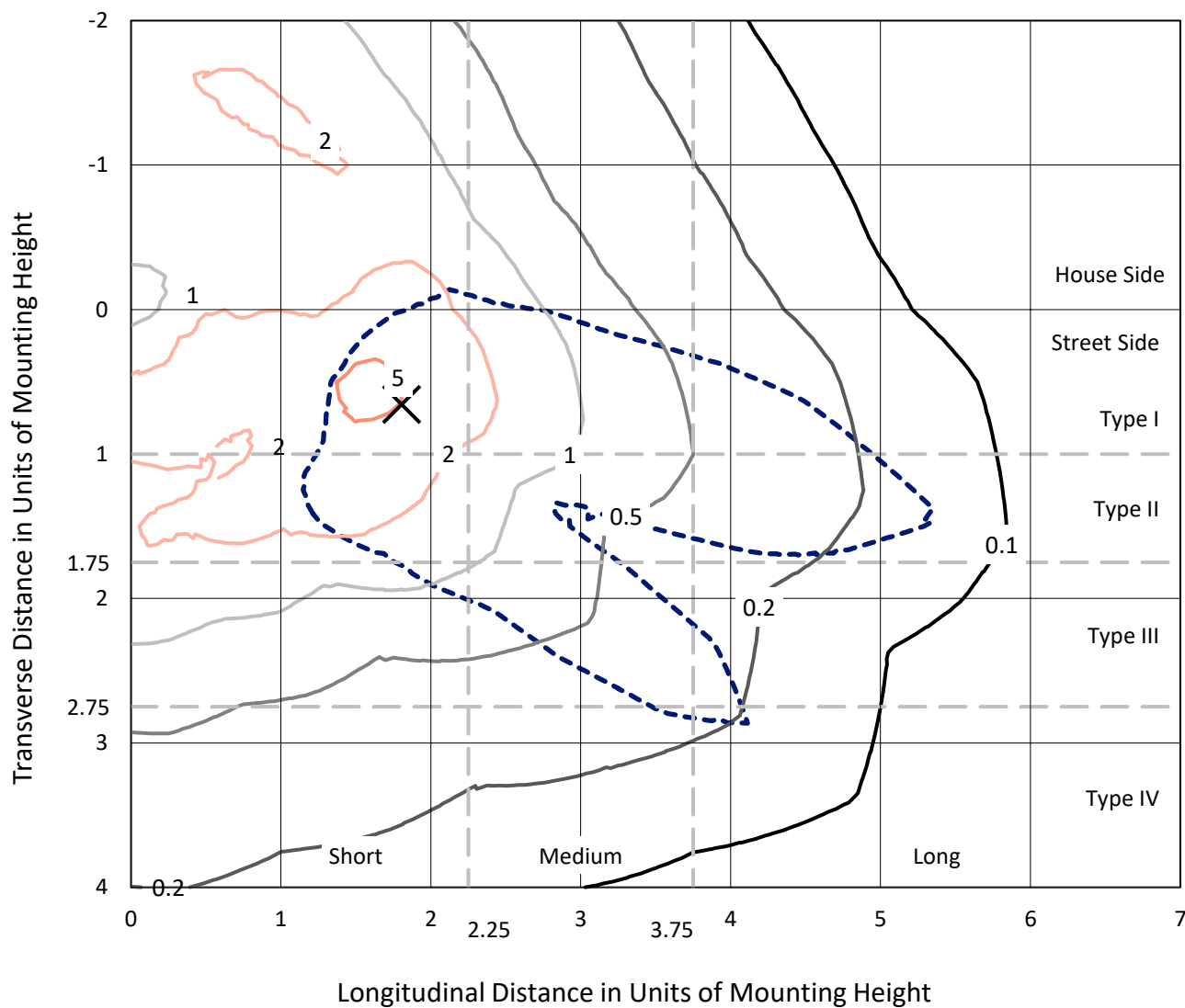
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

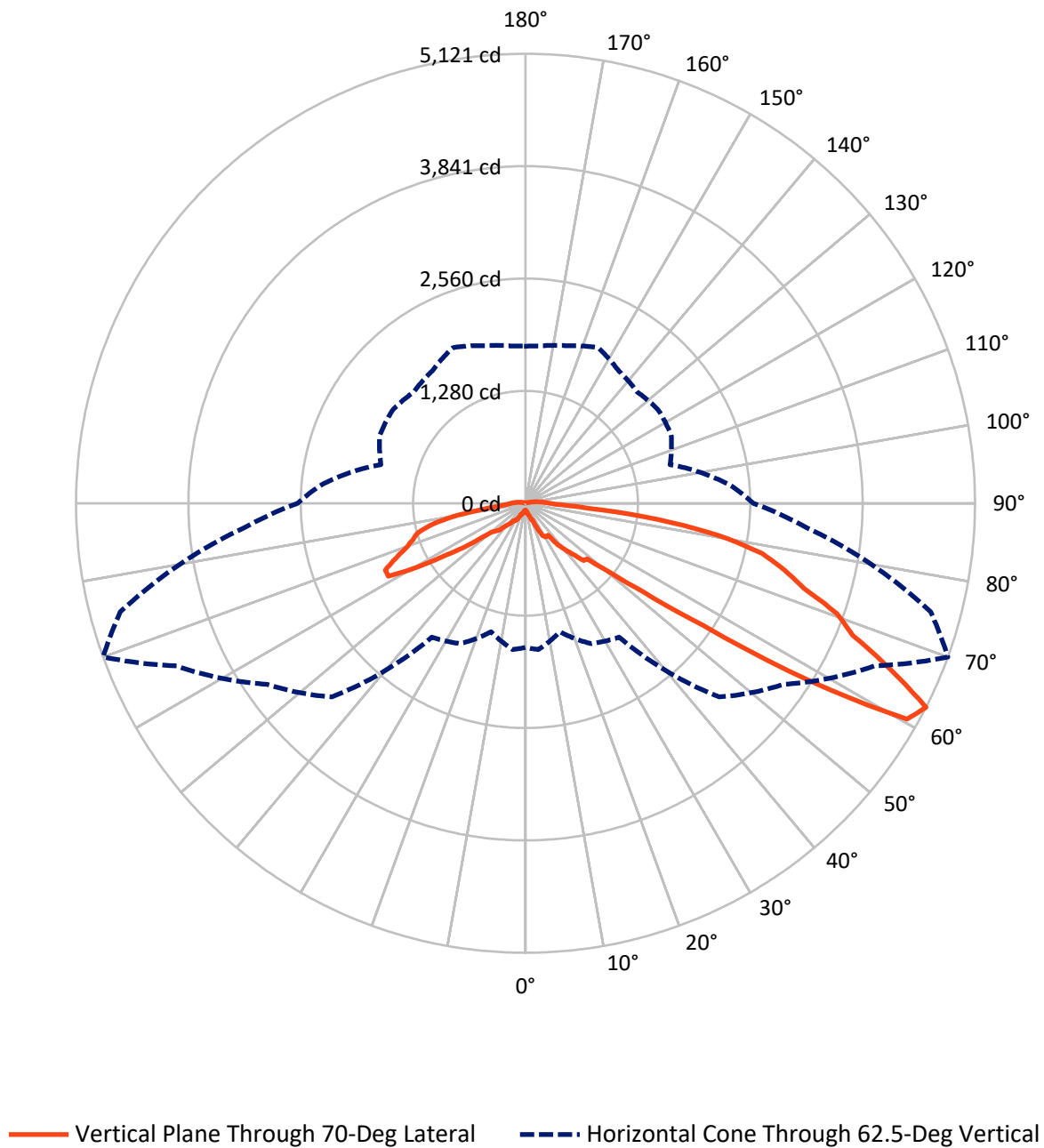


Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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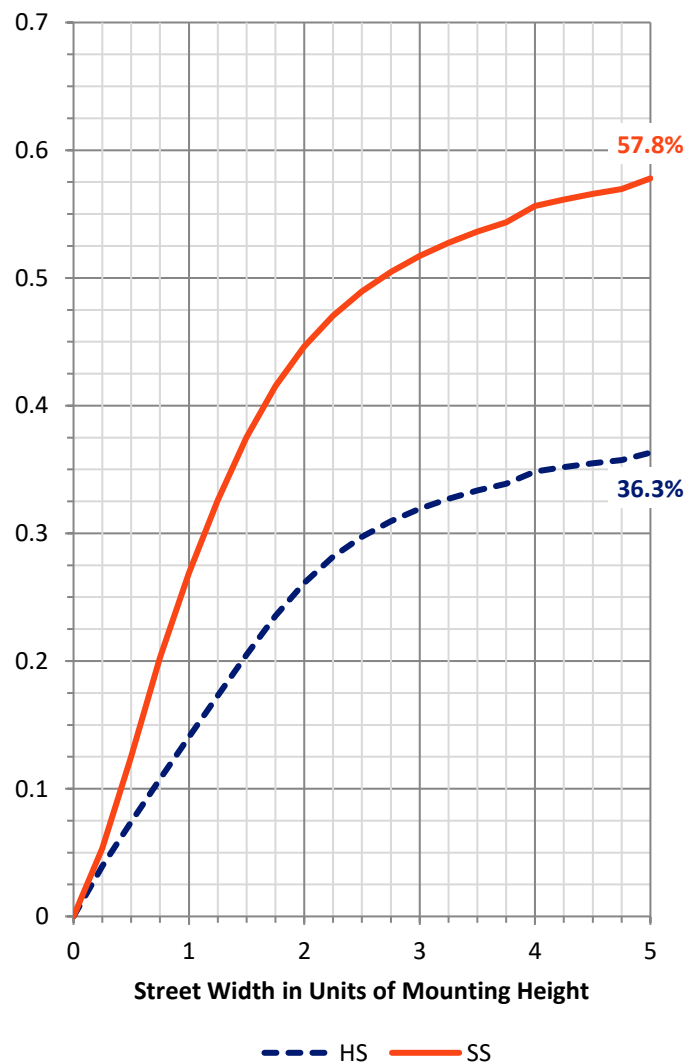
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2541.0   | 93.1   | 2634.1 |
|                    | % Fixture | 37.1     | 1.4    | 38.4   |
| <b>Street Side</b> | Lumens    | 4093.9   | 128.0  | 4221.9 |
|                    | % Fixture | 59.7     | 1.9    | 61.6   |
| <b>Total</b>       | Lumens    | 6634.9   | 221.1  | 6856.0 |
|                    | % Fixture | 96.8     | 3.2    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.7    | 0.1       |
| 10°-20°   | 37.3   | 0.5       |
| 20°-30°   | 115.6  | 1.7       |
| 30°-40°   | 248.0  | 3.6       |
| 40°-50°   | 464.7  | 6.8       |
| 50°-60°   | 1205.9 | 17.6      |
| 60°-70°   | 2209.0 | 32.2      |
| 70°-80°   | 1771.8 | 25.8      |
| 80°-90°   | 573.7  | 8.4       |
| 90°-100°  | 151.2  | 2.2       |
| 100°-110° | 49.2   | 0.7       |
| 110°-120° | 19.3   | 0.3       |
| 120°-130° | 1.5    | 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°    | 6634.9 | 96.8      |
| 0°-180°   | 6856.0 | 100.0     |

**Coefficient of Utilization**



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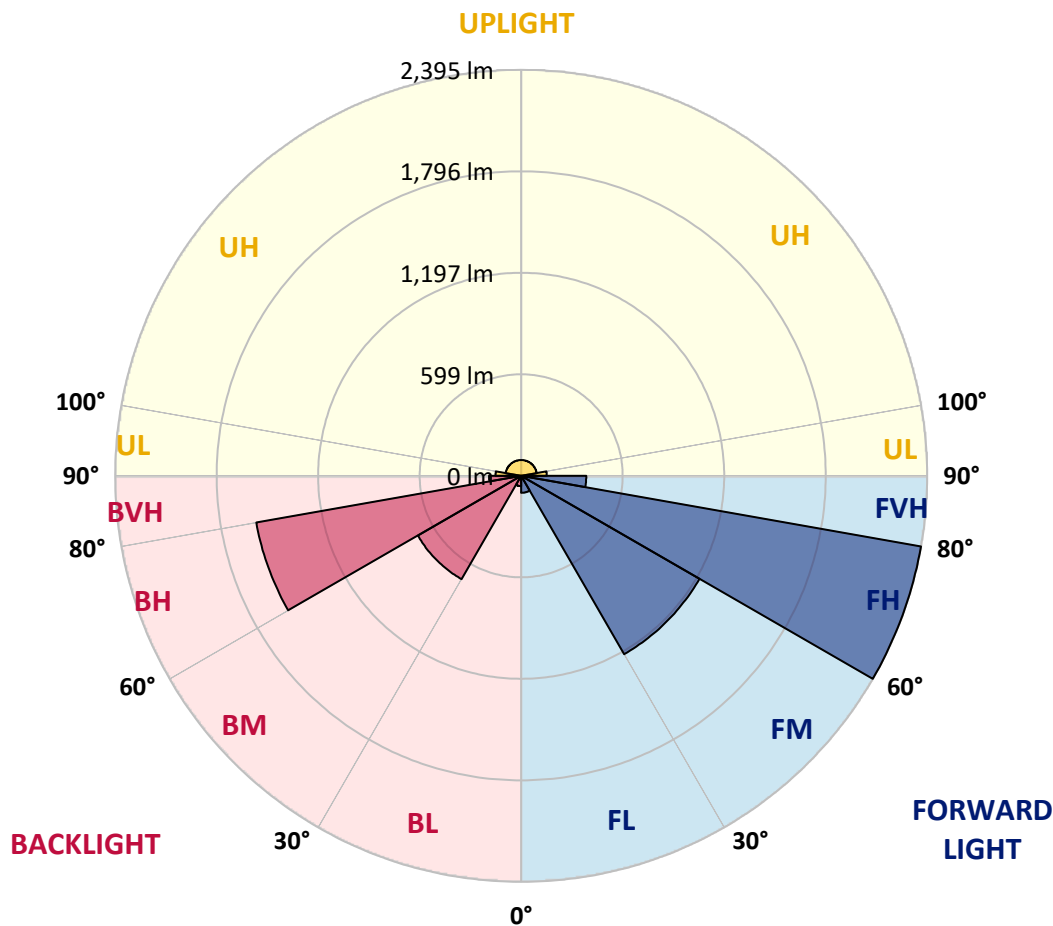
CATALOG NUMBER: ARC-CA6-70-730-U-33-6-5-X

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 100.6  | 1.5       |                         |        |         |
| FM   | (30°-60°)   | 1214.8 | 17.7      |                         |        |         |
| FH   | (60°-80°)   | 2394.6 | 34.9      |                         |        | G2/5000 |
| FVH  | (80°-90°)   | 383.8  | 5.6       |                         |        | G3/500  |
| BL   | (0°-30°)    | 61.0   | 0.9       | B0/110                  |        |         |
| BM   | (30°-60°)   | 703.9  | 10.3      | B1/1000                 |        |         |
| BH   | (60°-80°)   | 1586.2 | 23.1      | B3/2500                 |        | G3/2500 |
| BVH  | (80°-90°)   | 189.9  | 2.8       |                         |        | G2/225  |
| UL   | (90°-100°)  | 151.2  | 2.2       |                         | U3/500 |         |
| UH   | (100°-180°) | 93.1   | 1.4       |                         | U3/500 |         |

**BUG Rating: B3-U3-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   |
| 2.5°   | 87.8   | 87.8   | 87.8   | 86.5   | 85.2   | 83.9   | 82.6   | 82.6   | 81.3   | 79.9   | 78.6   |
| 5°     | 95.7   | 94.4   | 93.1   | 90.4   | 89.1   | 89.1   | 87.8   | 87.8   | 87.8   | 86.5   | 85.2   |
| 7.5°   | 106.2  | 106.2  | 104.9  | 103.5  | 102.2  | 100.9  | 99.6   | 98.3   | 98.3   | 97.0   | 95.7   |
| 10°    | 120.6  | 120.6  | 120.6  | 119.3  | 119.3  | 118.0  | 115.3  | 114.0  | 111.4  | 110.1  | 106.2  |
| 12.5°  | 135.0  | 136.3  | 133.7  | 133.7  | 133.7  | 132.4  | 129.8  | 128.4  | 125.8  | 123.2  | 118.0  |
| 15°    | 149.4  | 148.1  | 146.8  | 145.5  | 148.1  | 148.1  | 146.8  | 146.8  | 141.6  | 137.6  | 128.4  |
| 17.5°  | 162.5  | 162.5  | 163.8  | 163.8  | 167.8  | 166.5  | 166.5  | 165.1  | 162.5  | 156.0  | 144.2  |
| 20°    | 183.5  | 184.8  | 184.8  | 184.8  | 197.9  | 203.2  | 204.5  | 205.8  | 201.8  | 188.7  | 165.1  |
| 22.5°  | 204.5  | 205.8  | 214.9  | 212.3  | 212.3  | 212.3  | 225.4  | 218.9  | 201.8  | 186.1  | 173.0  |
| 25°    | 276.5  | 280.5  | 283.1  | 292.3  | 302.8  | 331.6  | 377.5  | 363.0  | 336.8  | 283.1  | 238.5  |
| 27.5°  | 346.0  | 351.3  | 398.4  | 464.0  | 473.1  | 439.1  | 471.8  | 428.6  | 415.5  | 360.4  | 323.7  |
| 30°    | 377.5  | 386.6  | 467.9  | 512.5  | 528.2  | 483.6  | 530.8  | 448.2  | 444.3  | 405.0  | 373.5  |
| 32.5°  | 385.3  | 391.9  | 481.0  | 486.3  | 490.2  | 484.9  | 555.7  | 454.8  | 445.6  | 406.3  | 360.4  |
| 35°    | 373.5  | 381.4  | 441.7  | 411.5  | 412.9  | 505.9  | 638.3  | 490.2  | 448.2  | 380.1  | 329.0  |
| 37.5°  | 460.0  | 460.0  | 511.2  | 519.0  | 553.1  | 665.8  | 836.2  | 647.5  | 600.3  | 495.4  | 432.5  |
| 40°    | 524.3  | 530.8  | 612.1  | 642.2  | 647.5  | 743.1  | 1047.2 | 758.9  | 692.0  | 554.4  | 505.9  |
| 42.5°  | 610.8  | 609.5  | 684.2  | 705.1  | 719.5  | 754.9  | 1070.8 | 872.9  | 794.3  | 627.8  | 591.1  |
| 45°    | 625.2  | 646.2  | 714.3  | 690.7  | 709.1  | 799.5  | 1118.0 | 1034.1 | 929.3  | 766.7  | 690.7  |
| 47.5°  | 567.5  | 596.3  | 734.0  | 714.3  | 640.9  | 682.8  | 896.5  | 1061.6 | 946.3  | 787.7  | 734.0  |
| 50°    | 612.1  | 627.8  | 696.0  | 682.8  | 584.5  | 726.1  | 984.3  | 1330.3 | 1201.9 | 937.1  | 799.5  |
| 52.5°  | 791.6  | 825.7  | 837.5  | 888.6  | 841.4  | 1086.5 | 1377.5 | 1685.5 | 1668.5 | 1356.5 | 1055.1 |
| 55°    | 1017.1 | 1066.9 | 1119.3 | 1313.3 | 1340.8 | 1706.5 | 1922.7 | 2251.7 | 2456.2 | 2145.5 | 1618.7 |
| 57.5°  | 1260.8 | 1331.6 | 1314.6 | 1596.4 | 1639.6 | 2312.0 | 2511.2 | 3281.9 | 3828.4 | 3406.4 | 2371.0 |
| 60°    | 1496.8 | 1543.9 | 1448.3 | 1696.0 | 1778.6 | 2911.0 | 3203.2 | 4274.0 | 4993.6 | 4544.0 | 2920.1 |
| 62.5°  | 1642.2 | 1672.4 | 1515.1 | 1764.1 | 1861.1 | 3119.3 | 3595.1 | 4385.4 | 5120.7 | 4778.6 | 3217.6 |
| 65°    | 1640.9 | 1633.1 | 1453.5 | 1669.8 | 1656.7 | 2879.5 | 3474.5 | 3685.5 | 4574.2 | 4516.5 | 3255.7 |
| 67.5°  | 1576.7 | 1579.3 | 1390.6 | 1562.3 | 1508.6 | 2538.7 | 3219.0 | 3118.0 | 4021.1 | 4098.4 | 3166.5 |
| 70°    | 1515.1 | 1546.6 | 1367.0 | 1516.4 | 1491.5 | 2441.7 | 3107.5 | 2806.1 | 3761.6 | 3908.4 | 3072.2 |
| 72.5°  | 1428.6 | 1458.8 | 1289.7 | 1420.7 | 1429.9 | 2247.8 | 2917.5 | 2449.6 | 3317.3 | 3494.2 | 2753.7 |
| 75°    | 1427.3 | 1465.3 | 1306.7 | 1422.1 | 1436.5 | 2137.7 | 2941.1 | 2326.4 | 3051.2 | 3288.4 | 2570.2 |
| 77.5°  | 1346.0 | 1380.1 | 1233.3 | 1340.8 | 1381.4 | 1934.5 | 2806.1 | 2173.1 | 2756.3 | 3022.4 | 2330.3 |
| 80°    | 1081.3 | 1127.2 | 1006.6 | 1077.4 | 1099.6 | 1450.9 | 2250.4 | 1779.9 | 2242.5 | 2508.6 | 1904.4 |
| 82.5°  | 739.2  | 781.1  | 701.2  | 753.6  | 782.5  | 951.5  | 1555.7 | 1281.8 | 1524.3 | 1686.8 | 1192.7 |
| 85°    | 427.3  | 477.1  | 429.9  | 423.3  | 437.8  | 502.0  | 837.5  | 681.5  | 709.1  | 745.8  | 529.5  |
| 87.5°  | 268.7  | 276.5  | 253.0  | 254.3  | 256.9  | 275.2  | 381.4  | 304.1  | 335.5  | 380.1  | 321.1  |
| 90°    | 213.6  | 221.5  | 204.5  | 205.8  | 201.8  | 218.9  | 285.7  | 232.0  | 258.2  | 297.5  | 254.3  |
| 92.5°  | 184.8  | 190.0  | 178.2  | 180.9  | 178.2  | 191.4  | 238.5  | 191.4  | 212.3  | 243.8  | 208.4  |
| 95°    | 157.3  | 161.2  | 154.7  | 156.0  | 148.1  | 156.0  | 186.1  | 145.5  | 161.2  | 183.5  | 156.0  |
| 97.5°  | 125.8  | 129.8  | 125.8  | 125.8  | 118.0  | 121.9  | 142.9  | 112.7  | 123.2  | 137.6  | 118.0  |
| 100°   | 99.6   | 100.9  | 99.6   | 98.3   | 91.7   | 91.7   | 99.6   | 81.3   | 85.2   | 94.4   | 81.3   |
| 102.5° | 76.0   | 77.3   | 76.0   | 74.7   | 66.8   | 62.9   | 62.9   | 52.4   | 55.0   | 57.7   | 51.1   |
| 105°   | 60.3   | 61.6   | 60.3   | 57.7   | 51.1   | 47.2   | 45.9   | 38.0   | 38.0   | 39.3   | 35.4   |
| 107.5° | 49.8   | 49.8   | 49.8   | 47.2   | 43.3   | 38.0   | 34.1   | 27.5   | 27.5   | 28.8   | 27.5   |
| 110°   | 40.6   | 40.6   | 39.3   | 38.0   | 34.1   | 30.1   | 26.2   | 22.3   | 22.3   | 22.3   | 21.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 70°  | 75°  | 85°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 34.1 | 34.1 | 32.8 | 31.5 | 27.5 | 23.6 | 21.0 | 18.3 | 18.3 | 18.3 | 17.0 |
| 115°   | 28.8 | 28.8 | 27.5 | 26.2 | 23.6 | 19.7 | 17.0 | 14.4 | 14.4 | 14.4 | 14.4 |
| 117.5° | 24.9 | 24.9 | 23.6 | 22.3 | 19.7 | 17.0 | 14.4 | 11.8 | 11.8 | 11.8 | 11.8 |
| 120°   | 22.3 | 21.0 | 19.7 | 18.3 | 15.7 | 14.4 | 11.8 | 10.5 | 10.5 | 10.5 | 9.2  |
| 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):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   | 81.3   |
| 2.5°   | 78.6   | 78.6   | 77.3   | 77.3   | 77.3   | 76.0   | 76.0   | 77.3   | 77.3   | 77.3   | 77.3   |
| 5°     | 83.9   | 82.6   | 79.9   | 77.3   | 76.0   | 74.7   | 73.4   | 73.4   | 76.0   | 76.0   | 76.0   |
| 7.5°   | 94.4   | 93.1   | 89.1   | 86.5   | 83.9   | 81.3   | 79.9   | 78.6   | 79.9   | 81.3   | 81.3   |
| 10°    | 104.9  | 103.5  | 98.3   | 94.4   | 93.1   | 90.4   | 89.1   | 87.8   | 89.1   | 89.1   | 89.1   |
| 12.5°  | 115.3  | 112.7  | 108.8  | 103.5  | 100.9  | 99.6   | 98.3   | 97.0   | 97.0   | 97.0   | 97.0   |
| 15°    | 124.5  | 120.6  | 116.6  | 112.7  | 110.1  | 107.5  | 106.2  | 104.9  | 106.2  | 107.5  | 107.5  |
| 17.5°  | 138.9  | 135.0  | 125.8  | 119.3  | 118.0  | 115.3  | 114.0  | 114.0  | 115.3  | 116.6  | 116.6  |
| 20°    | 154.7  | 146.8  | 136.3  | 129.8  | 128.4  | 124.5  | 123.2  | 123.2  | 124.5  | 125.8  | 125.8  |
| 22.5°  | 167.8  | 162.5  | 146.8  | 137.6  | 136.3  | 135.0  | 136.3  | 136.3  | 137.6  | 138.9  | 138.9  |
| 25°    | 213.6  | 192.7  | 170.4  | 163.8  | 162.5  | 159.9  | 157.3  | 156.0  | 157.3  | 161.2  | 162.5  |
| 27.5°  | 288.3  | 250.3  | 208.4  | 194.0  | 194.0  | 196.6  | 201.8  | 204.5  | 199.2  | 196.6  | 197.9  |
| 30°    | 338.1  | 287.0  | 226.7  | 213.6  | 216.3  | 229.4  | 241.2  | 249.0  | 243.8  | 239.8  | 241.2  |
| 32.5°  | 325.0  | 277.9  | 234.6  | 232.0  | 239.8  | 250.3  | 256.9  | 260.8  | 271.3  | 275.2  | 280.5  |
| 35°    | 296.2  | 260.8  | 237.2  | 247.7  | 253.0  | 253.0  | 253.0  | 253.0  | 272.6  | 291.0  | 296.2  |
| 37.5°  | 361.7  | 301.4  | 281.8  | 285.7  | 281.8  | 277.9  | 281.8  | 292.3  | 309.3  | 323.7  | 327.7  |
| 40°    | 424.7  | 348.6  | 315.9  | 313.2  | 311.9  | 325.0  | 348.6  | 367.0  | 372.2  | 359.1  | 361.7  |
| 42.5°  | 494.1  | 394.5  | 352.6  | 356.5  | 367.0  | 388.0  | 414.2  | 414.2  | 414.2  | 402.4  | 406.3  |
| 45°    | 559.6  | 448.2  | 423.3  | 433.8  | 433.8  | 444.3  | 458.7  | 449.6  | 461.3  | 466.6  | 473.1  |
| 47.5°  | 637.0  | 520.3  | 465.3  | 456.1  | 457.4  | 478.4  | 483.6  | 479.7  | 487.6  | 478.4  | 478.4  |
| 50°    | 660.6  | 532.1  | 488.9  | 524.3  | 524.3  | 500.7  | 481.0  | 483.6  | 505.9  | 530.8  | 536.1  |
| 52.5°  | 840.1  | 659.3  | 619.9  | 656.6  | 672.4  | 631.7  | 631.7  | 637.0  | 642.2  | 660.6  | 665.8  |
| 55°    | 1256.9 | 939.7  | 821.8  | 907.0  | 918.8  | 943.7  | 1011.8 | 1001.3 | 941.0  | 910.9  | 908.3  |
| 57.5°  | 1879.5 | 1394.5 | 1023.6 | 1144.2 | 1220.2 | 1322.4 | 1373.6 | 1343.4 | 1262.2 | 1234.6 | 1204.5 |
| 60°    | 2402.4 | 1909.6 | 1326.4 | 1536.1 | 1650.1 | 1667.1 | 1648.8 | 1651.4 | 1589.8 | 1609.5 | 1601.6 |
| 62.5°  | 2596.4 | 2343.4 | 1705.2 | 1832.3 | 1849.3 | 1796.9 | 1845.4 | 1956.8 | 1857.2 | 1798.2 | 1789.0 |
| 65°    | 2654.1 | 2504.7 | 1811.3 | 1728.7 | 1713.0 | 1703.8 | 1895.2 | 2081.3 | 1858.5 | 1720.9 | 1719.6 |
| 67.5°  | 2596.4 | 2339.5 | 1676.3 | 1540.0 | 1576.7 | 1651.4 | 1900.4 | 1969.9 | 1760.2 | 1608.2 | 1597.7 |
| 70°    | 2521.7 | 2073.4 | 1508.6 | 1390.6 | 1475.8 | 1584.6 | 1743.2 | 1715.6 | 1633.1 | 1498.1 | 1491.5 |
| 72.5°  | 2250.4 | 1796.9 | 1401.1 | 1302.8 | 1399.8 | 1431.2 | 1509.9 | 1498.1 | 1521.7 | 1436.5 | 1432.5 |
| 75°    | 2014.5 | 1650.1 | 1336.9 | 1221.5 | 1268.7 | 1263.5 | 1326.4 | 1340.8 | 1407.6 | 1370.9 | 1356.5 |
| 77.5°  | 1737.9 | 1435.2 | 1178.3 | 1044.6 | 1062.9 | 1061.6 | 1091.8 | 1100.9 | 1148.1 | 1150.8 | 1135.0 |
| 80°    | 1360.5 | 1124.5 | 920.1  | 786.4  | 789.0  | 765.4  | 769.4  | 768.0  | 777.2  | 787.7  | 773.3  |
| 82.5°  | 781.1  | 627.8  | 521.6  | 436.4  | 418.1  | 386.6  | 380.1  | 382.7  | 378.8  | 376.2  | 376.2  |
| 85°    | 382.7  | 297.5  | 273.9  | 245.1  | 234.6  | 226.7  | 230.7  | 238.5  | 242.5  | 234.6  | 230.7  |
| 87.5°  | 258.2  | 222.8  | 212.3  | 200.5  | 195.3  | 187.4  | 192.7  | 199.2  | 204.5  | 197.9  | 196.6  |
| 90°    | 204.5  | 176.9  | 174.3  | 171.7  | 167.8  | 161.2  | 166.5  | 174.3  | 178.2  | 173.0  | 170.4  |
| 92.5°  | 165.1  | 142.9  | 142.9  | 141.6  | 137.6  | 132.4  | 138.9  | 145.5  | 149.4  | 145.5  | 144.2  |
| 95°    | 127.1  | 110.1  | 114.0  | 111.4  | 107.5  | 106.2  | 110.1  | 115.3  | 118.0  | 115.3  | 115.3  |
| 97.5°  | 98.3   | 86.5   | 90.4   | 89.1   | 83.9   | 82.6   | 85.2   | 89.1   | 91.7   | 89.1   | 87.8   |
| 100°   | 66.8   | 61.6   | 66.8   | 66.8   | 61.6   | 59.0   | 61.6   | 65.5   | 66.8   | 66.8   | 65.5   |
| 102.5° | 44.6   | 41.9   | 48.5   | 49.8   | 47.2   | 44.6   | 45.9   | 48.5   | 49.8   | 49.8   | 49.8   |
| 105°   | 31.5   | 31.5   | 38.0   | 39.3   | 36.7   | 34.1   | 36.7   | 38.0   | 38.0   | 38.0   | 38.0   |
| 107.5° | 24.9   | 26.2   | 30.1   | 32.8   | 30.1   | 27.5   | 28.8   | 30.1   | 30.1   | 30.1   | 31.5   |
| 110°   | 21.0   | 21.0   | 24.9   | 27.5   | 24.9   | 23.6   | 23.6   | 23.6   | 23.6   | 24.9   | 27.5   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 17.0 | 18.3 | 21.0 | 22.3 | 21.0 | 19.7 | 19.7 | 19.7 | 19.7 | 21.0 | 24.9 |
| 115°   | 14.4 | 15.7 | 18.3 | 18.3 | 17.0 | 17.0 | 17.0 | 15.7 | 15.7 | 17.0 | 23.6 |
| 117.5° | 11.8 | 13.1 | 14.4 | 14.4 | 14.4 | 13.1 | 13.1 | 13.1 | 13.1 | 15.7 | 24.9 |
| 120°   | 10.5 | 10.5 | 11.8 | 11.8 | 10.5 | 10.5 | 10.5 | 10.5 | 9.2  | 13.1 | 19.7 |
| 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  |

(END OF REPORT)