

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: P944969

Luminaire Tested: **GLAN-SB1A-760-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944969  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-760-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4020 lumens  
Efficiency: N/A  
Efficacy: 130.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1

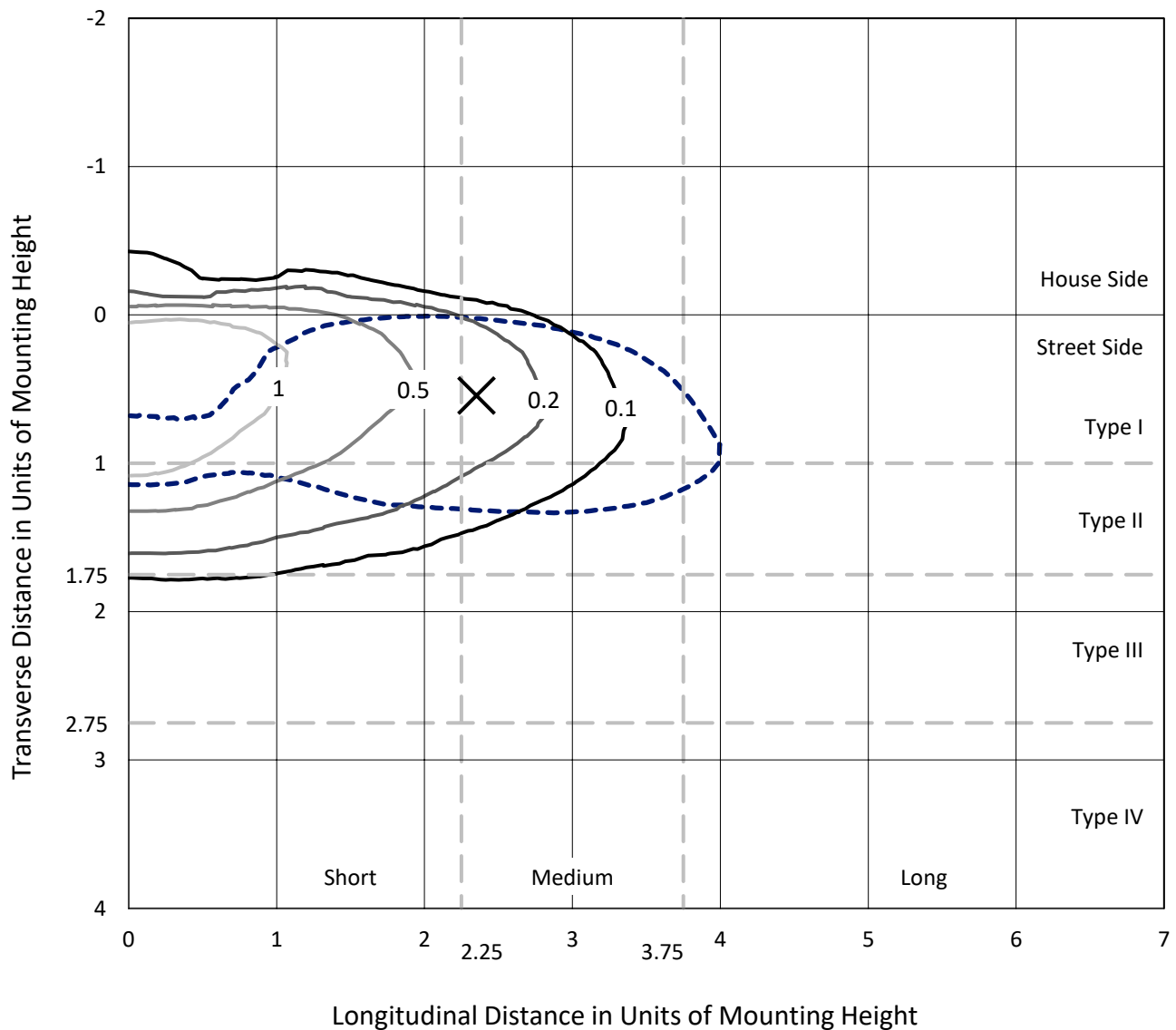
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

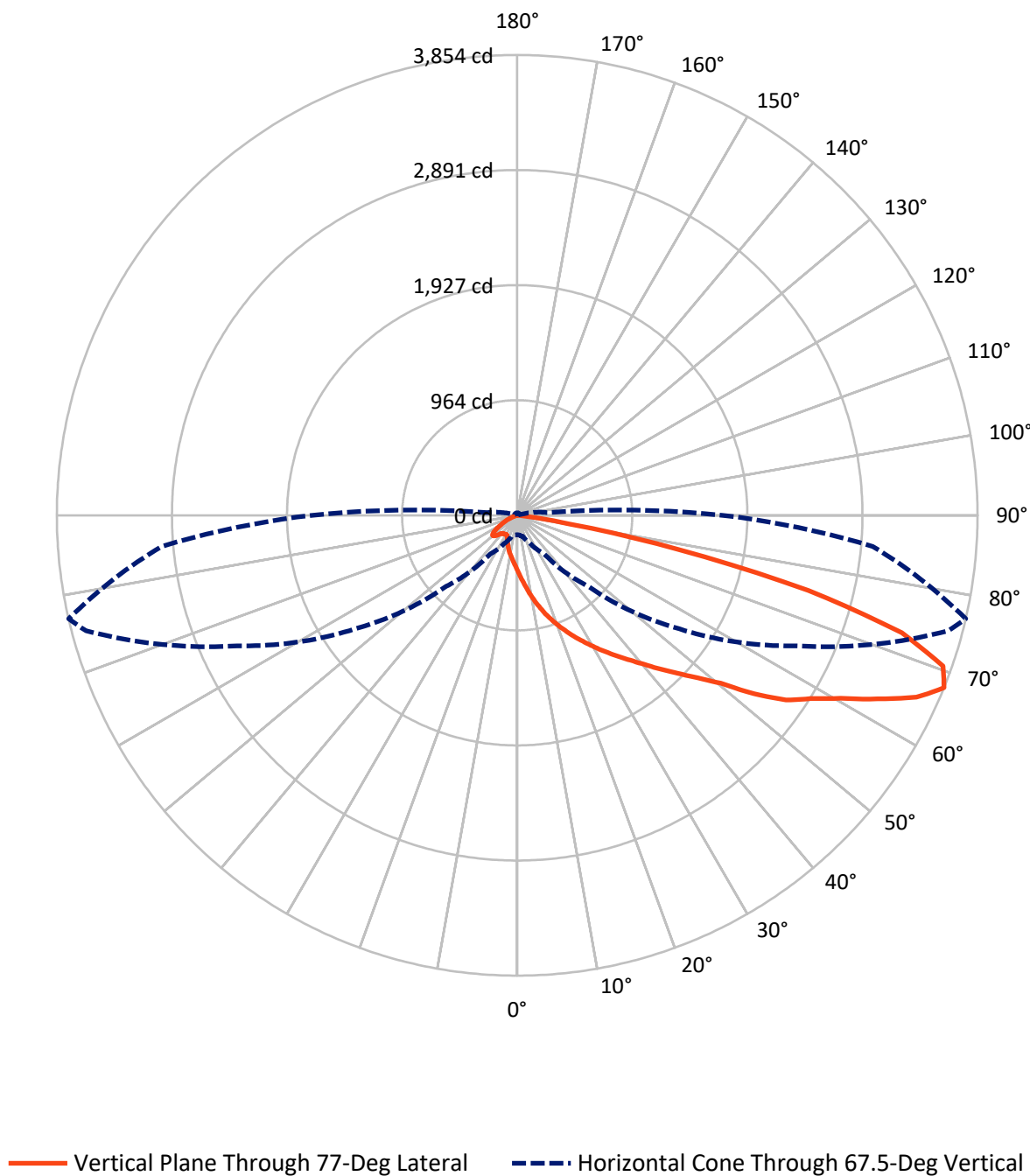
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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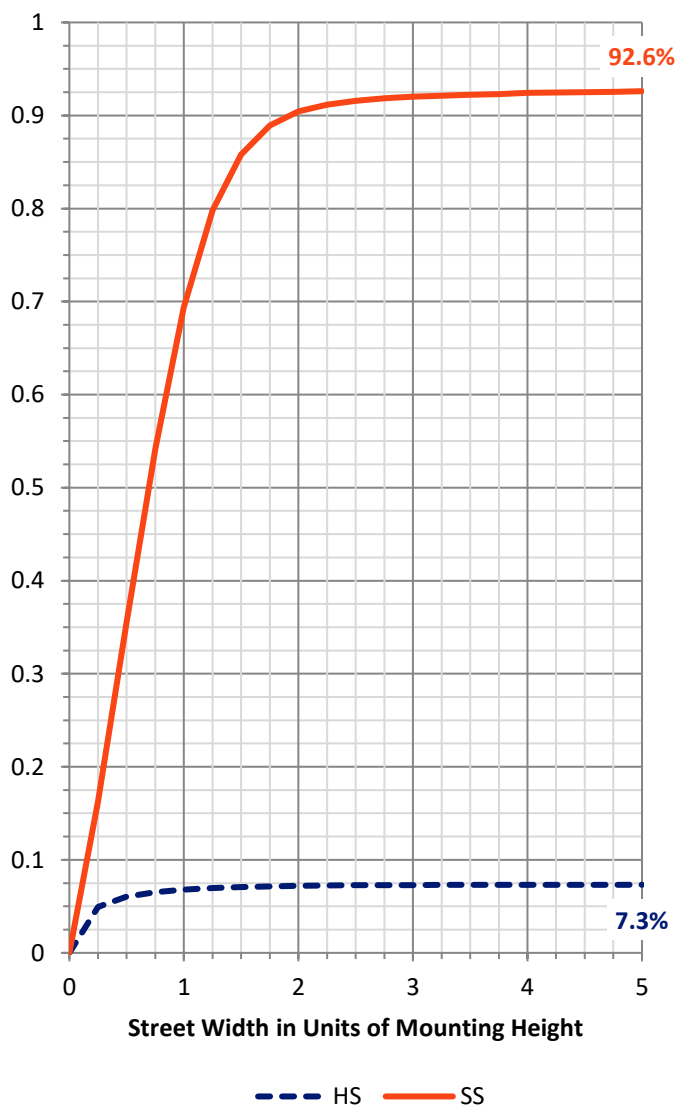
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 295.7    | 0.0    | 295.7  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 3724.2   | 0.0    | 3724.2 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 4020.0   | 0.0    | 4020.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 47.3   | 1.2       |
| 10°-20°   | 165.7  | 4.1       |
| 20°-30°   | 319.7  | 8.0       |
| 30°-40°   | 555.1  | 13.8      |
| 40°-50°   | 805.9  | 20.0      |
| 50°-60°   | 925.5  | 23.0      |
| 60°-70°   | 803.5  | 20.0      |
| 70°-80°   | 378.5  | 9.4       |
| 80°-90°   | 18.7   | 0.5       |
| 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°    | 4020.0 | 100.0     |
| 0°-180°   | 4020.0 | 100.0     |

**Coefficient of Utilization**



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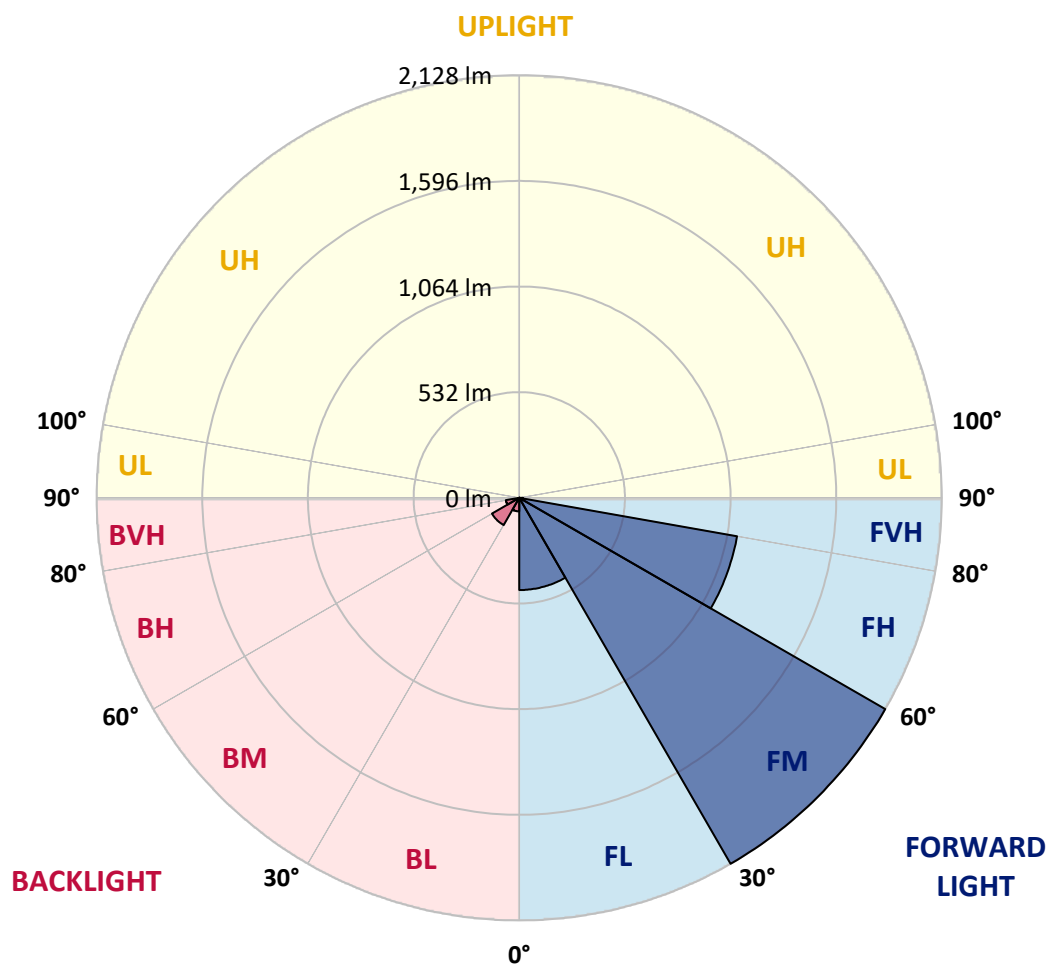
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 464.3  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 2128.1 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 1113.5 | 27.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 18.4   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 68.5   | 1.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 158.5  | 3.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 68.5   | 1.7       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.3    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 463.6  | 463.6  | 463.6  | 463.6  | 463.6  | 463.6  | 463.6  | 463.6  | 463.6  | 463.6  |
| 2.5°  | 641.8  | 645.8  | 640.1  | 629.1  | 612.6  | 601.9  | 575.6  | 550.9  | 523.5  | 514.7  |
| 5°    | 782.3  | 785.8  | 779.3  | 767.4  | 745.4  | 724.4  | 690.0  | 638.3  | 584.6  | 567.4  |
| 7.5°  | 886.4  | 888.4  | 885.9  | 875.0  | 854.0  | 830.3  | 791.8  | 730.7  | 651.0  | 632.1  |
| 10°   | 961.3  | 967.8  | 967.1  | 962.8  | 948.8  | 929.6  | 888.7  | 819.0  | 725.4  | 701.0  |
| 12.5° | 1011.0 | 1018.2 | 1022.5 | 1032.0 | 1031.2 | 1019.0 | 983.0  | 909.4  | 799.6  | 770.9  |
| 15°   | 1025.5 | 1033.2 | 1049.4 | 1071.4 | 1090.9 | 1097.1 | 1071.9 | 998.0  | 881.2  | 844.5  |
| 17.5° | 1017.2 | 1029.2 | 1048.7 | 1083.4 | 1126.1 | 1154.3 | 1151.5 | 1083.6 | 955.3  | 913.4  |
| 20°   | 1035.5 | 1047.0 | 1062.2 | 1091.4 | 1141.1 | 1192.2 | 1212.7 | 1165.5 | 1029.0 | 985.0  |
| 22.5° | 1136.3 | 1134.3 | 1135.8 | 1140.6 | 1170.3 | 1220.9 | 1263.1 | 1239.9 | 1101.9 | 1056.9 |
| 25°   | 1296.1 | 1287.1 | 1271.9 | 1246.2 | 1238.7 | 1263.1 | 1307.1 | 1305.8 | 1178.8 | 1130.6 |
| 27.5° | 1479.3 | 1477.8 | 1442.1 | 1380.2 | 1345.3 | 1335.8 | 1356.7 | 1370.0 | 1254.9 | 1203.5 |
| 30°   | 1654.8 | 1658.8 | 1610.6 | 1541.7 | 1477.6 | 1440.4 | 1421.4 | 1430.9 | 1332.3 | 1282.1 |
| 32.5° | 1807.6 | 1811.8 | 1759.4 | 1678.8 | 1599.4 | 1554.5 | 1514.5 | 1491.0 | 1416.7 | 1362.0 |
| 35°   | 1936.6 | 1940.9 | 1880.7 | 1791.6 | 1707.0 | 1666.3 | 1621.1 | 1556.9 | 1501.5 | 1450.6 |
| 37.5° | 2052.0 | 2050.7 | 1970.1 | 1880.2 | 1797.1 | 1764.9 | 1741.2 | 1638.1 | 1588.9 | 1539.7 |
| 40°   | 2120.1 | 2125.4 | 2056.5 | 1957.4 | 1876.7 | 1853.3 | 1851.8 | 1738.7 | 1689.8 | 1642.1 |
| 42.5° | 2140.1 | 2149.3 | 2099.4 | 2018.0 | 1944.9 | 1919.4 | 1958.6 | 1847.5 | 1807.1 | 1760.6 |
| 45°   | 2104.1 | 2113.1 | 2090.4 | 2034.0 | 1991.3 | 1974.8 | 2050.5 | 1960.4 | 1932.4 | 1886.5 |
| 47.5° | 1999.3 | 2010.5 | 2016.0 | 2004.0 | 2003.5 | 2020.3 | 2132.8 | 2079.2 | 2081.2 | 2034.2 |
| 50°   | 1796.3 | 1815.3 | 1865.7 | 1908.2 | 1973.8 | 2056.2 | 2213.0 | 2208.0 | 2248.9 | 2208.5 |
| 52.5° | 1427.4 | 1454.4 | 1628.1 | 1744.2 | 1891.7 | 2049.5 | 2301.1 | 2414.7 | 2543.2 | 2484.1 |
| 55°   | 1147.1 | 1147.1 | 1288.3 | 1505.5 | 1731.4 | 2005.0 | 2339.5 | 2549.0 | 2743.7 | 2729.7 |
| 57.5° | 935.1  | 946.4  | 1036.5 | 1228.4 | 1499.5 | 1899.2 | 2363.3 | 2633.4 | 2905.2 | 2895.0 |
| 60°   | 577.1  | 601.4  | 771.6  | 961.1  | 1235.7 | 1710.7 | 2348.3 | 2718.7 | 3101.2 | 3109.4 |
| 62.5° | 325.0  | 334.0  | 409.9  | 691.5  | 960.8  | 1457.3 | 2233.7 | 2766.4 | 3351.8 | 3386.7 |
| 65°   | 224.4  | 228.9  | 258.1  | 430.4  | 666.0  | 1160.3 | 2009.8 | 2736.7 | 3602.9 | 3673.6 |
| 67.5° | 163.0  | 165.3  | 183.5  | 262.9  | 395.2  | 841.3  | 1658.8 | 2586.9 | 3736.0 | 3854.1 |
| 70°   | 125.3  | 126.8  | 140.0  | 172.7  | 233.4  | 519.2  | 1204.7 | 2289.1 | 3639.6 | 3780.7 |
| 72.5° | 101.8  | 103.3  | 113.6  | 127.8  | 154.8  | 307.0  | 730.2  | 1859.0 | 3214.3 | 3366.5 |
| 75°   | 85.9   | 87.9   | 97.1   | 106.3  | 121.3  | 197.2  | 342.5  | 1294.6 | 2417.2 | 2517.0 |
| 77.5° | 47.7   | 43.9   | 78.9   | 88.1   | 102.3  | 124.8  | 160.3  | 761.9  | 1353.7 | 1381.5 |
| 80°   | 29.7   | 30.7   | 62.7   | 70.9   | 78.6   | 62.9   | 73.4   | 293.3  | 469.3  | 445.8  |
| 82.5° | 1.7    | 4.0    | 48.2   | 51.2   | 53.9   | 27.0   | 27.7   | 99.6   | 113.1  | 103.8  |
| 85°   | 0.0    | 0.0    | 22.0   | 17.7   | 18.7   | 7.7    | 8.0    | 23.2   | 15.2   | 16.5   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.5    | 0.0    | 0.7    | 1.5    | 2.0    | 0.7    | 1.0    |
| 90°   | 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):**

| 85°    |       | 90°    | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 463.6  | 0°    | 463.6  | 463.6 | 463.6 | 463.6 | 463.6 | 463.6 | 463.6 | 463.6 | 463.6 | 463.6 |
| 487.3  | 2.5°  | 469.8  | 452.3 | 416.9 | 382.2 | 354.0 | 327.8 | 309.0 | 291.3 | 282.3 | 281.8 |
| 518.7  | 5°    | 484.0  | 447.3 | 376.4 | 313.8 | 263.4 | 222.9 | 196.7 | 178.0 | 168.5 | 165.3 |
| 557.4  | 7.5°  | 504.0  | 448.8 | 341.0 | 253.9 | 194.5 | 159.8 | 144.8 | 138.8 | 136.8 | 134.6 |
| 601.1  | 10°   | 529.2  | 452.3 | 309.3 | 204.4 | 153.3 | 135.8 | 129.8 | 127.3 | 125.8 | 124.3 |
| 650.3  | 12.5° | 557.4  | 455.6 | 277.8 | 169.7 | 134.8 | 125.8 | 121.6 | 118.6 | 116.6 | 114.8 |
| 700.7  | 15°   | 584.9  | 457.6 | 245.1 | 145.5 | 125.3 | 118.1 | 113.6 | 110.3 | 107.6 | 105.6 |
| 750.1  | 17.5° | 612.1  | 460.3 | 214.4 | 131.1 | 117.6 | 110.3 | 105.8 | 101.8 | 99.6  | 97.4  |
| 802.1  | 20°   | 642.3  | 459.8 | 185.5 | 120.8 | 109.8 | 102.6 | 97.9  | 94.1  | 91.9  | 89.4  |
| 857.0  | 22.5° | 670.3  | 457.3 | 160.0 | 112.1 | 101.8 | 94.9  | 89.6  | 85.9  | 83.6  | 81.6  |
| 913.2  | 25°   | 702.5  | 455.3 | 138.8 | 104.1 | 94.4  | 87.4  | 81.6  | 78.1  | 75.6  | 73.9  |
| 969.6  | 27.5° | 733.4  | 452.3 | 123.3 | 96.9  | 87.1  | 80.4  | 74.9  | 70.9  | 68.6  | 67.4  |
| 1027.7 | 30°   | 763.9  | 451.6 | 117.6 | 89.9  | 80.6  | 73.9  | 68.4  | 64.7  | 62.9  | 62.4  |
| 1091.6 | 32.5° | 800.6  | 453.6 | 120.1 | 87.4  | 74.6  | 67.9  | 62.7  | 59.9  | 58.2  | 58.2  |
| 1162.8 | 35°   | 839.8  | 453.1 | 123.8 | 89.6  | 70.6  | 61.9  | 57.9  | 56.2  | 54.4  | 54.4  |
| 1241.7 | 37.5° | 888.9  | 453.8 | 126.8 | 93.4  | 69.1  | 56.9  | 54.7  | 52.4  | 51.4  | 51.4  |
| 1328.0 | 40°   | 962.3  | 478.5 | 125.3 | 96.6  | 68.6  | 53.4  | 48.9  | 48.2  | 47.4  | 47.4  |
| 1425.6 | 42.5° | 1052.2 | 532.2 | 127.3 | 96.9  | 68.4  | 50.9  | 44.9  | 46.4  | 44.7  | 44.4  |
| 1535.7 | 45°   | 1150.6 | 590.9 | 140.0 | 91.6  | 68.1  | 49.7  | 42.9  | 44.7  | 41.9  | 41.9  |
| 1663.3 | 47.5° | 1248.2 | 649.0 | 153.0 | 84.1  | 67.4  | 49.4  | 41.2  | 40.2  | 39.4  | 39.7  |
| 1829.5 | 50°   | 1382.7 | 696.5 | 158.0 | 73.9  | 65.7  | 48.9  | 37.9  | 38.2  | 37.7  | 38.2  |
| 2064.0 | 52.5° | 1529.2 | 706.5 | 152.0 | 62.4  | 60.7  | 47.4  | 35.7  | 36.7  | 36.4  | 36.9  |
| 2229.0 | 55°   | 1620.6 | 695.7 | 125.6 | 51.9  | 52.9  | 41.4  | 33.5  | 35.4  | 35.4  | 35.4  |
| 2390.2 | 57.5° | 1715.0 | 650.0 | 89.1  | 42.2  | 43.9  | 33.9  | 31.5  | 34.2  | 33.9  | 33.7  |
| 2584.4 | 60°   | 1782.9 | 576.1 | 58.7  | 34.7  | 34.9  | 28.0  | 29.2  | 32.2  | 32.0  | 30.7  |
| 2784.6 | 62.5° | 1833.5 | 494.5 | 37.7  | 29.5  | 26.7  | 25.2  | 26.7  | 29.2  | 28.2  | 25.5  |
| 2954.4 | 65°   | 1827.8 | 381.4 | 29.0  | 25.2  | 22.0  | 22.0  | 23.2  | 25.5  | 22.5  | 18.0  |
| 2986.8 | 67.5° | 1721.2 | 258.1 | 24.0  | 21.2  | 18.5  | 18.2  | 19.2  | 21.2  | 19.2  | 15.2  |
| 2820.6 | 70°   | 1530.7 | 168.8 | 19.2  | 16.5  | 14.7  | 13.5  | 15.5  | 18.2  | 16.2  | 12.2  |
| 2401.2 | 72.5° | 1242.4 | 102.8 | 14.5  | 12.0  | 10.7  | 8.7   | 12.2  | 15.0  | 13.0  | 9.0   |
| 1669.8 | 75°   | 803.8  | 52.4  | 10.0  | 7.7   | 5.7   | 5.2   | 9.0   | 11.2  | 9.0   | 5.5   |
| 740.9  | 77.5° | 307.5  | 22.0  | 5.5   | 3.5   | 3.0   | 2.5   | 5.0   | 6.7   | 3.7   | 1.2   |
| 143.5  | 80°   | 59.2   | 9.2   | 2.7   | 1.7   | 1.5   | 1.0   | 0.7   | 0.5   | 0.0   | 0.0   |
| 25.5   | 82.5° | 10.2   | 3.0   | 1.0   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 5.0    | 85°   | 3.5    | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 1.7    | 87.5° | 1.2    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 0.0    | 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END O



| 180°  |
|-------|
| 463.6 |
| 281.3 |
| 164.8 |
| 134.1 |
| 123.8 |
| 114.3 |
| 105.3 |
| 97.1  |
| 89.1  |
| 81.4  |
| 73.6  |
| 67.4  |
| 62.2  |
| 58.2  |
| 54.4  |
| 51.4  |
| 47.4  |
| 44.2  |
| 41.9  |
| 39.7  |
| 38.2  |
| 36.9  |
| 35.4  |
| 33.7  |
| 30.7  |
| 25.0  |
| 17.5  |
| 14.7  |
| 11.7  |
| 8.5   |
| 4.7   |
| 1.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |