

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: P947177

Luminaire Tested: **GLAN-SB2C-835-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P947177  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-835-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14078 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

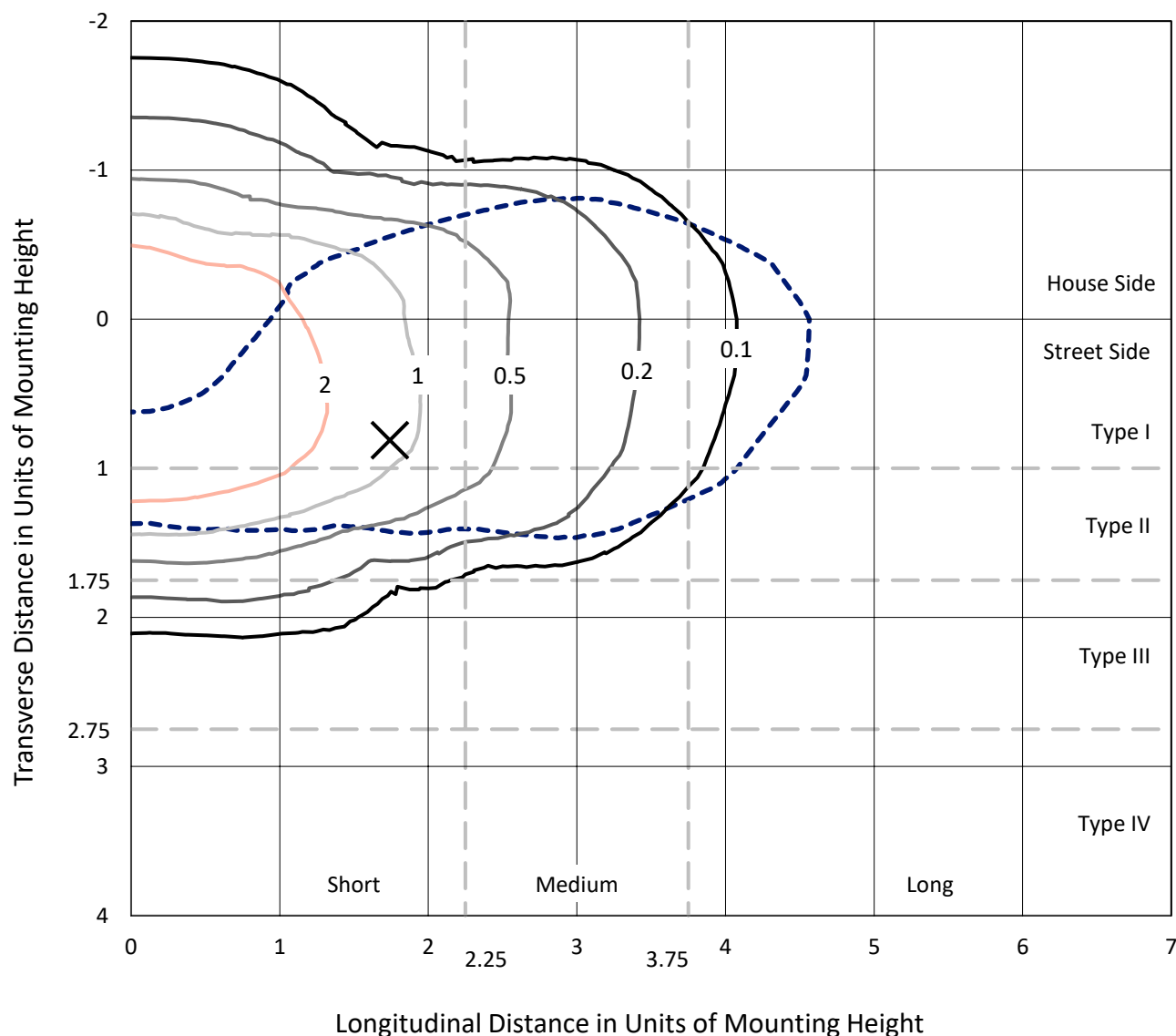
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

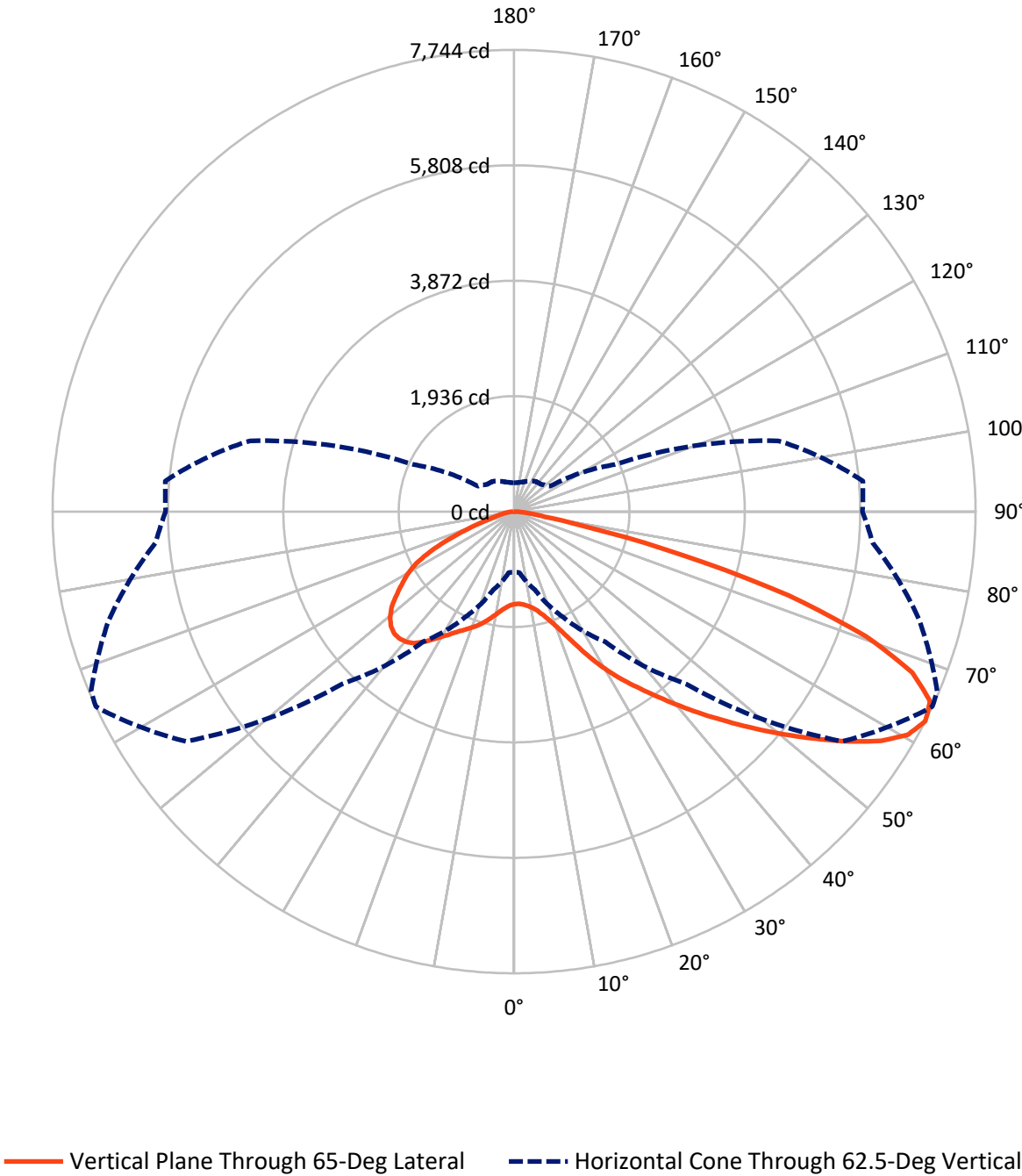
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4442.4   | 0.0    | 4442.4  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 9635.6   | 0.0    | 9635.6  |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 14078.0  | 0.0    | 14078.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 154.7   | 1.1       |
| 10°-20°   | 524.5   | 3.7       |
| 20°-30°   | 1063.5  | 7.6       |
| 30°-40°   | 1840.3  | 13.1      |
| 40°-50°   | 2784.9  | 19.8      |
| 50°-60°   | 3265.1  | 23.2      |
| 60°-70°   | 2737.4  | 19.4      |
| 70°-80°   | 1511.3  | 10.7      |
| 80°-90°   | 196.3   | 1.4       |
| 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°    | 14078.0 | 100.0     |
| 0°-180°   | 14078.0 | 100.0     |

**Coefficient of Utilization**



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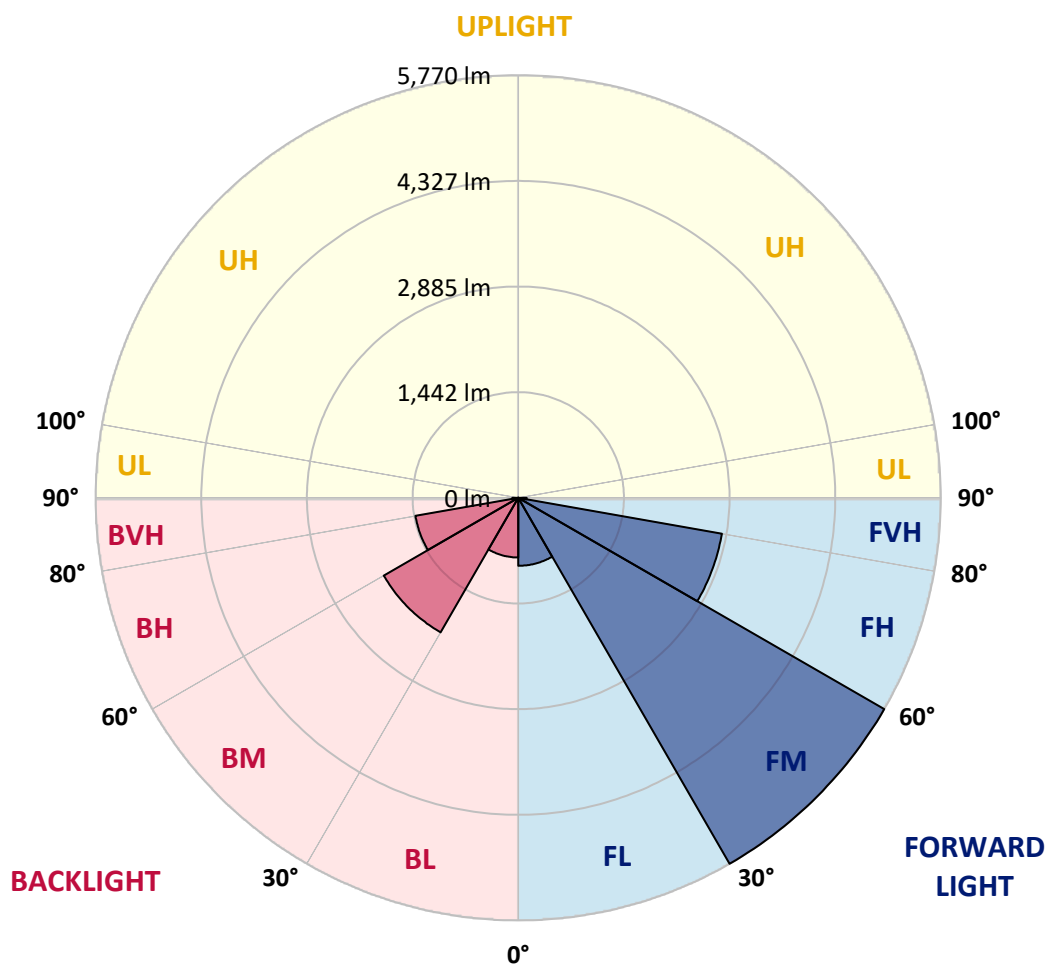
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 927.9  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 5769.6 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 2823.6 | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 114.4  | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 814.7  | 5.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2120.7 | 15.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1425.1 | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 81.9   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 |
| 2.5°  | 1541.1 | 1536.7 | 1540.4 | 1540.4 | 1541.8 | 1541.1 | 1546.2 | 1547.7 | 1549.9 | 1554.3 |
| 5°    | 1525.8 | 1525.0 | 1531.6 | 1537.5 | 1543.3 | 1548.4 | 1555.0 | 1564.5 | 1565.9 | 1571.1 |
| 7.5°  | 1520.7 | 1516.3 | 1526.5 | 1533.8 | 1547.7 | 1560.1 | 1577.6 | 1593.7 | 1600.3 | 1602.5 |
| 10°   | 1560.1 | 1552.8 | 1562.3 | 1566.7 | 1578.4 | 1590.8 | 1611.2 | 1636.8 | 1644.1 | 1652.9 |
| 12.5° | 1627.3 | 1619.3 | 1633.1 | 1639.7 | 1650.7 | 1661.6 | 1675.5 | 1700.3 | 1704.0 | 1720.1 |
| 15°   | 1719.3 | 1709.8 | 1718.6 | 1726.6 | 1744.9 | 1755.1 | 1769.0 | 1793.1 | 1793.1 | 1805.5 |
| 17.5° | 1844.2 | 1831.8 | 1838.4 | 1841.3 | 1853.0 | 1868.3 | 1891.7 | 1912.9 | 1923.8 | 1919.4 |
| 20°   | 2030.5 | 2015.1 | 2015.1 | 2000.5 | 1996.1 | 2008.6 | 2039.2 | 2068.4 | 2080.1 | 2057.5 |
| 22.5° | 2310.2 | 2288.3 | 2275.9 | 2226.2 | 2206.5 | 2207.9 | 2238.6 | 2274.4 | 2283.9 | 2243.7 |
| 25°   | 2665.9 | 2631.6 | 2614.8 | 2541.7 | 2497.2 | 2458.5 | 2482.6 | 2528.6 | 2541.7 | 2492.1 |
| 27.5° | 3021.6 | 3023.8 | 3007.7 | 2920.1 | 2846.3 | 2775.5 | 2763.0 | 2811.2 | 2825.1 | 2768.9 |
| 30°   | 3520.4 | 3468.6 | 3437.9 | 3332.7 | 3227.6 | 3128.2 | 3077.1 | 3096.8 | 3100.5 | 3033.3 |
| 32.5° | 3950.6 | 3937.5 | 3871.8 | 3779.7 | 3644.6 | 3489.0 | 3403.6 | 3372.2 | 3366.3 | 3270.7 |
| 35°   | 4440.7 | 4433.4 | 4364.0 | 4254.5 | 4108.4 | 3892.2 | 3738.1 | 3648.3 | 3641.0 | 3506.6 |
| 37.5° | 4938.9 | 4938.9 | 4870.9 | 4751.1 | 4600.0 | 4329.7 | 4095.3 | 3952.8 | 3929.5 | 3754.2 |
| 40°   | 5336.2 | 5312.1 | 5324.5 | 5274.1 | 5101.0 | 4814.0 | 4491.9 | 4285.2 | 4253.8 | 4043.4 |
| 42.5° | 5561.9 | 5553.8 | 5628.3 | 5684.6 | 5613.7 | 5384.4 | 4928.6 | 4645.2 | 4601.4 | 4361.9 |
| 45°   | 5612.3 | 5603.5 | 5736.4 | 5942.4 | 6041.7 | 5947.5 | 5403.4 | 5024.3 | 4971.0 | 4694.9 |
| 47.5° | 5496.1 | 5478.6 | 5673.6 | 5998.6 | 6317.1 | 6482.9 | 5917.6 | 5435.5 | 5358.1 | 5019.2 |
| 50°   | 5147.0 | 5130.2 | 5425.3 | 5856.9 | 6409.8 | 6846.6 | 6475.6 | 5871.6 | 5753.2 | 5366.9 |
| 52.5° | 4388.1 | 4396.2 | 4858.5 | 5451.6 | 6287.9 | 7073.0 | 6956.2 | 6331.0 | 6188.5 | 5722.6 |
| 55°   | 3418.2 | 3435.7 | 4004.0 | 4656.9 | 5800.0 | 7038.7 | 7284.1 | 6804.3 | 6662.6 | 6057.1 |
| 57.5° | 2447.5 | 2524.9 | 3057.4 | 3703.8 | 4862.9 | 6494.6 | 7355.7 | 7254.2 | 7116.9 | 6422.3 |
| 60°   | 1586.4 | 1600.3 | 2148.1 | 2799.6 | 3703.0 | 5527.5 | 7210.3 | 7595.3 | 7487.9 | 6794.8 |
| 62.5° | 1016.7 | 1026.2 | 1360.0 | 1958.2 | 2665.2 | 4089.4 | 6721.0 | 7743.5 | 7710.7 | 7040.9 |
| 65°   | 747.2  | 739.9  | 913.7  | 1294.2 | 1795.3 | 2522.0 | 5770.8 | 7671.9 | 7737.0 | 7195.0 |
| 67.5° | 623.7  | 613.5  | 699.0  | 896.2  | 1322.7 | 1432.3 | 4269.8 | 7206.7 | 7444.8 | 7177.5 |
| 70°   | 568.2  | 559.5  | 611.3  | 665.4  | 1032.0 | 959.0  | 2152.4 | 6265.2 | 6631.9 | 6978.1 |
| 72.5° | 481.3  | 466.0  | 536.8  | 590.9  | 802.7  | 735.5  | 889.6  | 4812.5 | 5259.5 | 6339.0 |
| 75°   | 373.2  | 363.0  | 423.6  | 520.0  | 603.3  | 574.1  | 562.4  | 2922.3 | 3410.2 | 4902.3 |
| 77.5° | 295.8  | 281.9  | 337.4  | 405.4  | 542.7  | 433.1  | 409.7  | 1258.5 | 1742.0 | 3129.7 |
| 80°   | 222.8  | 210.4  | 256.4  | 320.6  | 417.0  | 326.5  | 265.1  | 513.5  | 656.6  | 1585.7 |
| 82.5° | 158.5  | 147.5  | 178.9  | 235.2  | 280.5  | 292.9  | 162.9  | 287.8  | 323.6  | 611.3  |
| 85°   | 101.5  | 94.9   | 119.8  | 147.5  | 178.2  | 188.4  | 99.3   | 150.5  | 165.1  | 252.0  |
| 87.5° | 55.5   | 45.3   | 64.3   | 68.7   | 82.5   | 75.2   | 47.5   | 54.8   | 59.2   | 91.3   |
| 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°   |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1551.3 | 0°    | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 | 1551.3 |
| 1554.3 | 2.5°  | 1557.2 | 1559.4 | 1566.7 | 1568.9 | 1574.0 | 1580.5 | 1584.9 | 1589.3 | 1589.3 | 1593.7 |
| 1577.6 | 5°    | 1578.4 | 1583.5 | 1598.8 | 1606.8 | 1620.0 | 1633.1 | 1641.2 | 1650.7 | 1656.5 | 1659.4 |
| 1614.9 | 7.5°  | 1619.3 | 1627.3 | 1649.2 | 1663.1 | 1685.7 | 1704.0 | 1716.4 | 1729.5 | 1732.5 | 1740.5 |
| 1666.7 | 10°   | 1674.8 | 1684.3 | 1709.1 | 1735.4 | 1762.4 | 1785.1 | 1796.7 | 1806.2 | 1809.9 | 1811.4 |
| 1733.2 | 12.5° | 1738.3 | 1752.2 | 1784.3 | 1816.5 | 1844.9 | 1864.7 | 1867.6 | 1865.4 | 1855.2 | 1846.4 |
| 1815.0 | 15°   | 1816.5 | 1828.9 | 1864.7 | 1899.7 | 1927.5 | 1931.1 | 1912.9 | 1901.2 | 1888.8 | 1886.6 |
| 1906.3 | 17.5° | 1910.0 | 1916.5 | 1949.4 | 1983.7 | 1985.9 | 1973.5 | 1946.5 | 1935.5 | 1923.8 | 1915.8 |
| 2025.4 | 20°   | 2018.8 | 2016.6 | 2040.0 | 2054.6 | 2039.2 | 2001.3 | 1960.3 | 1942.1 | 1930.4 | 1920.9 |
| 2171.4 | 22.5° | 2148.8 | 2132.0 | 2129.1 | 2125.4 | 2084.5 | 2004.9 | 1949.4 | 1926.0 | 1907.8 | 1894.6 |
| 2375.2 | 25°   | 2338.0 | 2273.7 | 2229.1 | 2204.3 | 2112.3 | 1985.2 | 1914.3 | 1862.5 | 1828.1 | 1805.5 |
| 2624.3 | 27.5° | 2574.6 | 2466.5 | 2354.0 | 2293.4 | 2112.3 | 1945.0 | 1829.6 | 1745.6 | 1689.4 | 1666.0 |
| 2865.3 | 30°   | 2800.3 | 2687.1 | 2521.3 | 2400.8 | 2107.2 | 1879.3 | 1693.0 | 1576.2 | 1510.4 | 1487.1 |
| 3071.3 | 32.5° | 2993.1 | 2869.7 | 2698.8 | 2518.4 | 2094.7 | 1772.6 | 1523.6 | 1394.3 | 1330.8 | 1303.0 |
| 3275.0 | 35°   | 3172.1 | 3040.6 | 2877.0 | 2647.6 | 2061.9 | 1616.3 | 1337.3 | 1238.7 | 1167.9 | 1123.3 |
| 3482.5 | 37.5° | 3355.4 | 3199.1 | 3045.7 | 2764.5 | 2002.7 | 1433.7 | 1194.2 | 1110.2 | 1026.9 | 967.0  |
| 3703.0 | 40°   | 3554.8 | 3367.8 | 3226.1 | 2833.9 | 1905.6 | 1259.9 | 1083.2 | 1006.5 | 918.1  | 854.5  |
| 3957.2 | 42.5° | 3787.8 | 3570.1 | 3427.0 | 2869.7 | 1772.6 | 1136.5 | 1010.9 | 935.6  | 852.4  | 800.5  |
| 4229.7 | 45°   | 4031.0 | 3792.9 | 3610.3 | 2868.9 | 1624.4 | 1078.8 | 987.5  | 913.0  | 821.0  | 766.9  |
| 4509.4 | 47.5° | 4285.9 | 4025.9 | 3768.8 | 2822.2 | 1495.8 | 1086.8 | 974.3  | 864.0  | 762.5  | 709.9  |
| 4792.0 | 50°   | 4541.5 | 4280.8 | 3922.2 | 2734.6 | 1441.0 | 1069.3 | 925.4  | 795.4  | 675.6  | 628.1  |
| 5057.2 | 52.5° | 4795.0 | 4551.7 | 4054.4 | 2609.7 | 1385.5 | 1004.3 | 862.6  | 706.3  | 639.8  | 606.9  |
| 5331.1 | 55°   | 5049.9 | 4819.8 | 4198.2 | 2427.8 | 1246.8 | 928.3  | 757.4  | 672.7  | 611.3  | 581.4  |
| 5599.1 | 57.5° | 5305.5 | 5129.5 | 4334.8 | 2245.9 | 1072.2 | 834.8  | 699.7  | 631.8  | 582.8  | 557.3  |
| 5823.3 | 60°   | 5571.4 | 5483.7 | 4475.8 | 2078.7 | 899.8  | 715.0  | 657.3  | 598.9  | 549.2  | 520.8  |
| 6038.8 | 62.5° | 5845.3 | 5873.7 | 4586.1 | 1863.2 | 741.3  | 642.0  | 619.4  | 559.5  | 511.3  | 484.2  |
| 6217.0 | 65°   | 6121.3 | 6249.9 | 4658.4 | 1564.5 | 601.1  | 572.6  | 578.5  | 516.4  | 467.4  | 444.1  |
| 6347.8 | 67.5° | 6329.5 | 6520.9 | 4637.9 | 1184.0 | 493.0  | 506.9  | 527.3  | 471.1  | 425.1  | 406.8  |
| 6326.6 | 70°   | 6352.9 | 6488.7 | 4436.3 | 810.7  | 412.7  | 442.6  | 470.4  | 426.5  | 379.1  | 365.9  |
| 6028.6 | 72.5° | 6041.7 | 6050.5 | 3874.7 | 529.5  | 349.1  | 388.6  | 410.5  | 381.3  | 335.2  | 322.1  |
| 5274.1 | 75°   | 5225.9 | 5003.9 | 2844.8 | 349.1  | 292.2  | 333.8  | 354.2  | 333.8  | 289.2  | 292.2  |
| 3946.3 | 77.5° | 3959.4 | 3543.8 | 1727.4 | 248.3  | 243.9  | 280.5  | 308.2  | 293.6  | 255.6  | 287.0  |
| 1984.5 | 80°   | 2040.0 | 1917.3 | 770.6  | 185.5  | 192.8  | 224.2  | 253.4  | 234.5  | 202.3  | 192.8  |
| 443.3  | 82.5° | 467.4  | 543.4  | 303.8  | 132.9  | 139.5  | 161.4  | 193.6  | 176.0  | 145.3  | 122.7  |
| 184.8  | 85°   | 163.6  | 178.9  | 134.4  | 83.3   | 81.8   | 100.8  | 131.5  | 117.6  | 98.6   | 78.9   |
| 78.2   | 87.5° | 51.9   | 67.9   | 50.4   | 33.6   | 35.1   | 45.3   | 60.6   | 55.5   | 46.0   | 29.9   |
| 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°   |
|--------|
| 1551.3 |
| 1593.7 |
| 1660.9 |
| 1737.6 |
| 1807.7 |
| 1846.4 |
| 1886.6 |
| 1916.5 |
| 1921.6 |
| 1899.0 |
| 1814.3 |
| 1677.7 |
| 1500.9 |
| 1316.9 |
| 1137.9 |
| 983.1  |
| 867.0  |
| 810.7  |
| 775.7  |
| 717.2  |
| 631.1  |
| 606.9  |
| 578.5  |
| 552.9  |
| 518.6  |
| 483.5  |
| 443.3  |
| 407.6  |
| 366.7  |
| 321.4  |
| 281.9  |
| 252.7  |
| 176.0  |
| 121.2  |
| 83.3   |
| 31.4   |
| 0.0    |