

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: P955168

Luminaire Tested: **GLAN-SB8A-950-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 25080 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 227.1  
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



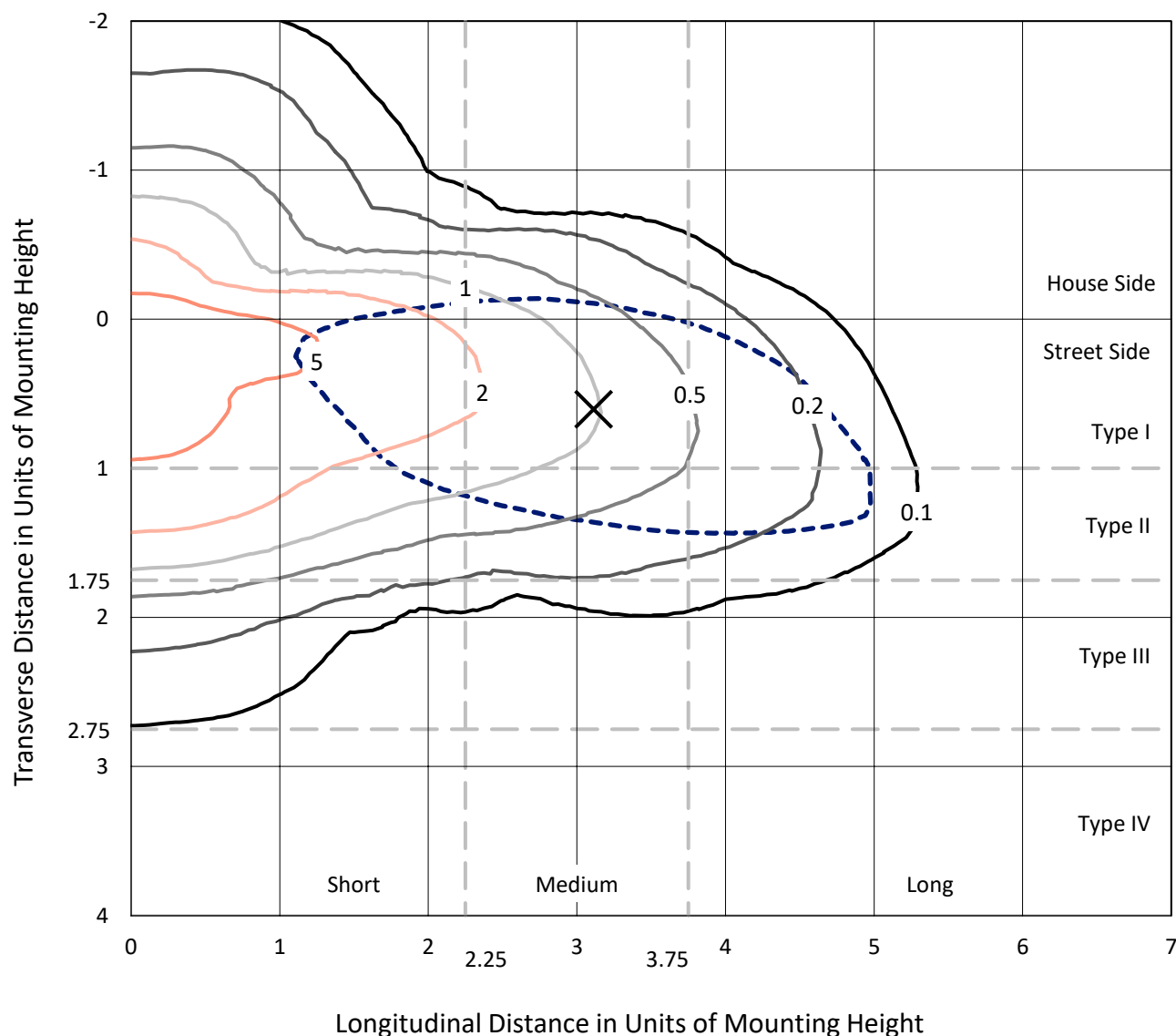
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

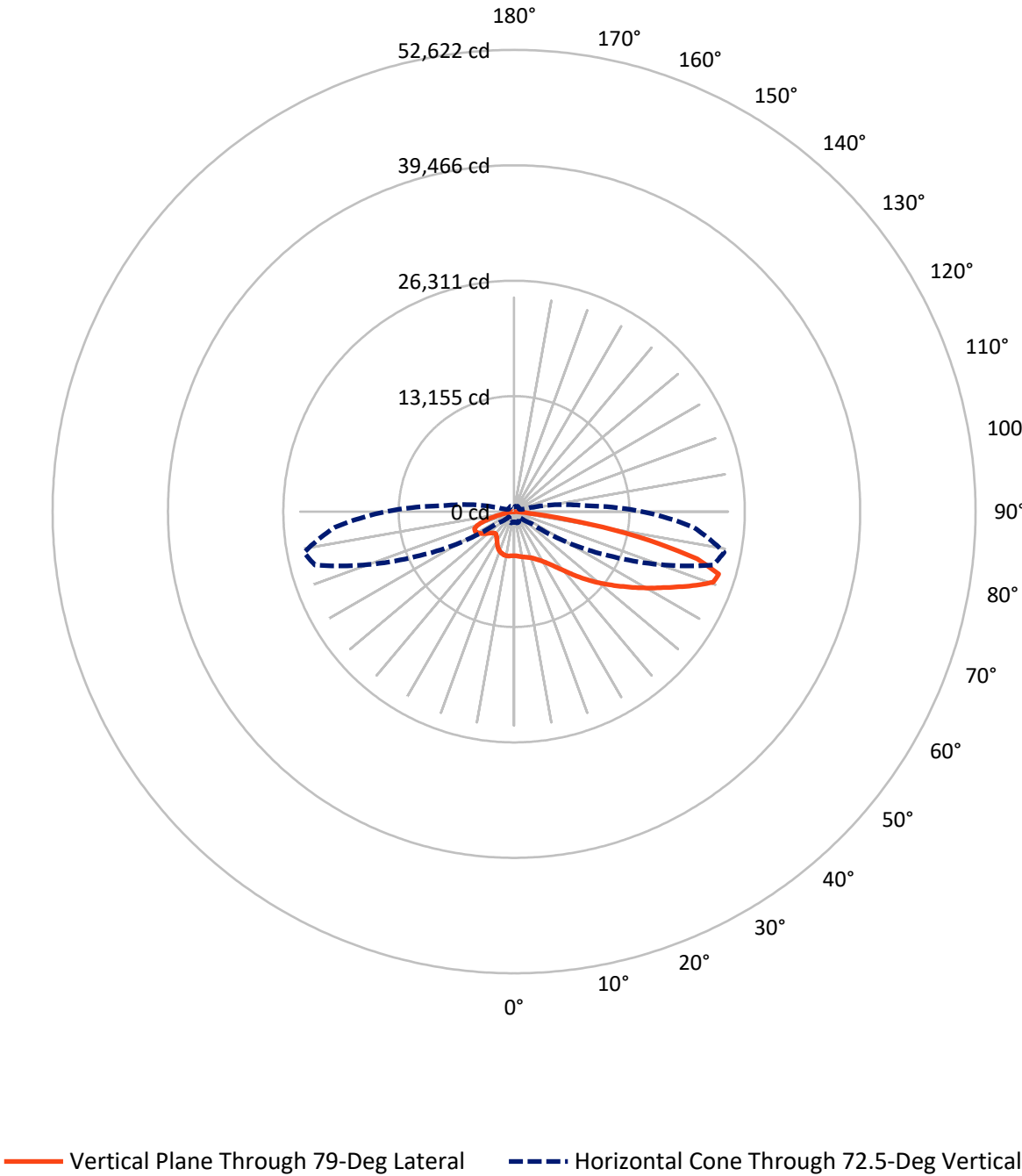
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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    | 5519.0   | 0.0    | 5519.0  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 19561.0  | 0.0    | 19561.0 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 25080.0  | 0.0    | 25080.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 457.0   | 1.8       |
| 10°-20°   | 1194.8  | 4.8       |
| 20°-30°   | 1927.9  | 7.7       |
| 30°-40°   | 2893.6  | 11.5      |
| 40°-50°   | 4104.7  | 16.4      |
| 50°-60°   | 5183.7  | 20.7      |
| 60°-70°   | 5264.7  | 21.0      |
| 70°-80°   | 3588.1  | 14.3      |
| 80°-90°   | 465.5   | 1.9       |
| 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°    | 25080.0 | 100.0     |
| 0°-180°   | 25080.0 | 100.0     |

**Coefficient of Utilization**



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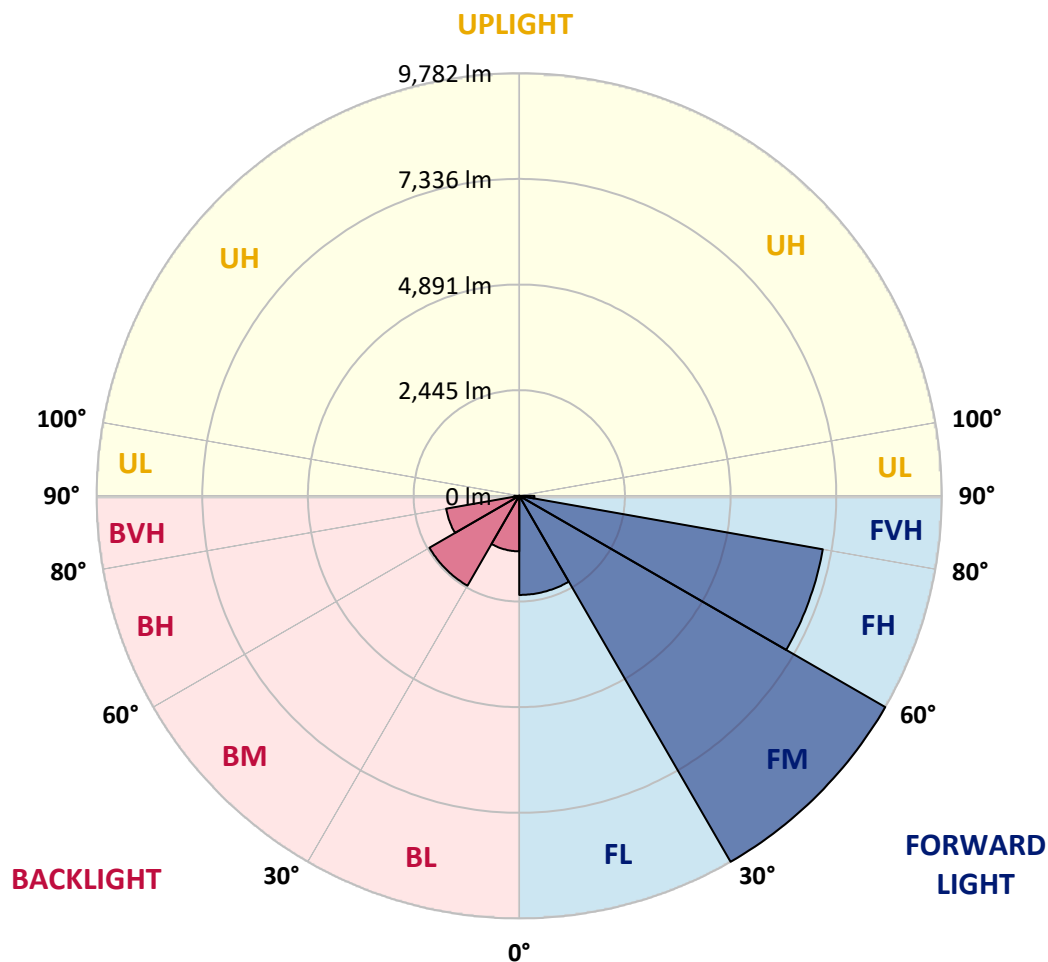
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2294.2 | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 9781.7 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 7134.4 | 28.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 350.7  | 1.4       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1285.5 | 5.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2400.2 | 9.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1718.4 | 6.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 114.8  | 0.5       |                         |      | G2/225  |
| 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°     | 75°     | 79°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6  | 5034.6  | 5034.6  |
| 2.5°  | 5037.2 | 5013.3 | 5027.9 | 5022.6 | 5029.3 | 5037.2 | 5039.9 | 5043.9  | 5057.1  | 5055.8  |
| 5°    | 5026.6 | 5002.7 | 5022.6 | 5016.0 | 5033.2 | 5051.8 | 5067.7 | 5082.3  | 5103.6  | 5112.8  |
| 7.5°  | 5004.1 | 4988.1 | 5008.0 | 5027.9 | 5059.8 | 5087.6 | 5110.2 | 5143.4  | 5173.9  | 5179.2  |
| 10°   | 4872.7 | 4860.8 | 4907.2 | 4959.0 | 5046.5 | 5122.1 | 5171.2 | 5209.7  | 5242.9  | 5248.2  |
| 12.5° | 4736.1 | 4721.5 | 4773.2 | 4843.5 | 4985.5 | 5122.1 | 5225.6 | 5276.0  | 5305.2  | 5322.5  |
| 15°   | 4713.5 | 4701.6 | 4730.8 | 4791.8 | 4909.9 | 5086.3 | 5262.8 | 5355.6  | 5380.8  | 5400.7  |
| 17.5° | 4822.3 | 4799.8 | 4811.7 | 4832.9 | 4901.9 | 5053.1 | 5291.9 | 5445.8  | 5484.3  | 5505.5  |
| 20°   | 5074.4 | 5042.5 | 5024.0 | 4981.5 | 4969.6 | 5058.5 | 5289.3 | 5554.6  | 5605.0  | 5631.6  |
| 22.5° | 5410.0 | 5388.8 | 5349.0 | 5241.5 | 5124.8 | 5123.5 | 5339.7 | 5693.9  | 5788.1  | 5813.3  |
| 25°   | 5816.0 | 5784.1 | 5733.7 | 5587.8 | 5363.6 | 5252.1 | 5424.6 | 5871.7  | 6029.5  | 6036.2  |
| 27.5° | 6282.9 | 6235.2 | 6166.2 | 5973.8 | 5671.4 | 5453.8 | 5554.6 | 6076.0  | 6306.8  | 6304.2  |
| 30°   | 6775.1 | 6727.4 | 6654.4 | 6420.9 | 6040.2 | 5725.7 | 5735.0 | 6296.2  | 6635.8  | 6621.2  |
| 32.5° | 7134.6 | 7098.8 | 7084.2 | 6903.8 | 6464.7 | 6046.8 | 5942.0 | 6540.3  | 7041.8  | 7028.5  |
| 35°   | 7410.6 | 7364.1 | 7381.4 | 7289.8 | 6927.7 | 6406.3 | 6195.4 | 6830.8  | 7535.3  | 7533.9  |
| 37.5° | 7683.9 | 7642.7 | 7657.3 | 7596.3 | 7356.2 | 6862.7 | 6504.5 | 7186.4  | 8146.9  | 8176.0  |
| 40°   | 7933.3 | 7889.5 | 7947.9 | 7890.8 | 7689.2 | 7348.2 | 6856.0 | 7588.3  | 8855.3  | 8911.0  |
| 42.5° | 8083.2 | 8048.7 | 8145.5 | 8146.9 | 7978.4 | 7758.1 | 7242.1 | 8031.4  | 9675.1  | 9799.8  |
| 45°   | 8134.9 | 8123.0 | 8268.9 | 8299.4 | 8234.4 | 7995.6 | 7589.7 | 8514.3  | 10558.7 | 10781.5 |
| 47.5° | 8079.2 | 8056.6 | 8258.3 | 8371.1 | 8422.8 | 8107.1 | 7877.5 | 9037.0  | 11460.8 | 11787.1 |
| 50°   | 7797.9 | 7754.2 | 8054.0 | 8291.5 | 8475.9 | 8180.0 | 8168.1 | 9640.6  | 12486.3 | 12843.1 |
| 52.5° | 7292.5 | 7259.3 | 7600.3 | 8012.9 | 8359.1 | 8215.8 | 8494.4 | 10300.0 | 13460.0 | 13921.7 |
| 55°   | 6646.4 | 6602.7 | 6978.1 | 7516.7 | 8068.6 | 8203.9 | 8820.8 | 11037.6 | 14608.9 | 15077.2 |
| 57.5° | 5622.3 | 5534.7 | 6009.6 | 6646.4 | 7595.0 | 8189.3 | 9160.4 | 11771.2 | 15776.3 | 16337.5 |
| 60°   | 4128.5 | 3998.5 | 4580.9 | 5335.7 | 6669.0 | 8047.4 | 9580.9 | 12593.7 | 17177.2 | 17682.7 |
| 62.5° | 2403.9 | 2328.2 | 2709.0 | 3413.4 | 5026.6 | 7211.6 | 9817.1 | 13550.2 | 18554.3 | 19084.9 |
| 65°   | 1866.6 | 1845.3 | 1878.5 | 1932.9 | 2797.9 | 5399.4 | 9088.8 | 14482.9 | 20305.4 | 20676.9 |
| 67.5° | 1707.4 | 1691.5 | 1706.0 | 1603.9 | 1419.5 | 3007.5 | 7190.3 | 14719.0 | 22181.3 | 22406.8 |
| 70°   | 1517.7 | 1499.1 | 1546.9 | 1459.3 | 1117.0 | 1367.8 | 4645.9 | 13862.0 | 23673.8 | 24097.0 |
| 72.5° | 1236.4 | 1215.2 | 1326.6 | 1286.8 | 940.6  | 878.2  | 2333.5 | 11825.6 | 23517.2 | 24395.5 |
| 75°   | 949.9  | 937.9  | 1070.6 | 1103.8 | 766.8  | 691.2  | 1119.7 | 8790.3  | 20695.5 | 21580.3 |
| 77.5° | 737.6  | 728.3  | 796.0  | 916.7  | 618.2  | 536.0  | 688.5  | 5575.8  | 15595.9 | 15751.1 |
| 80°   | 553.2  | 526.7  | 589.0  | 709.7  | 481.6  | 391.4  | 467.0  | 3251.6  | 9858.2  | 8936.2  |
| 82.5° | 346.3  | 333.0  | 384.7  | 473.6  | 339.6  | 269.3  | 303.8  | 1796.3  | 3950.7  | 2326.9  |
| 85°   | 197.7  | 192.4  | 209.6  | 270.6  | 184.4  | 155.2  | 173.8  | 793.3   | 721.7   | 496.2   |
| 87.5° | 79.6   | 76.9   | 95.5   | 120.7  | 67.7   | 57.0   | 61.0   | 191.0   | 159.2   | 147.3   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5034.6  | 0°    | 5034.6  | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 | 5034.6 |
| 5054.5  | 2.5°  | 5049.2  | 5049.2 | 5030.6 | 5001.4 | 4968.2 | 4947.0 | 4912.5 | 4903.2 | 4867.4 | 4856.8 |
| 5099.6  | 5°    | 5110.2  | 5099.6 | 5042.5 | 4960.3 | 4847.5 | 4744.0 | 4629.9 | 4558.3 | 4457.5 | 4421.7 |
| 5188.5  | 7.5°  | 5187.1  | 5157.9 | 5059.8 | 4879.4 | 4643.2 | 4411.1 | 4169.6 | 3986.5 | 3811.4 | 3749.1 |
| 5261.4  | 10°   | 5257.4  | 5216.3 | 5049.2 | 4733.4 | 4324.8 | 3922.9 | 3538.1 | 3268.8 | 3064.5 | 2980.9 |
| 5342.4  | 12.5° | 5327.8  | 5252.1 | 4978.9 | 4490.7 | 3872.4 | 3327.2 | 2917.3 | 2707.7 | 2581.6 | 2480.8 |
| 5408.7  | 15°   | 5394.1  | 5288.0 | 4870.1 | 4165.6 | 3376.3 | 2823.1 | 2520.6 | 2353.4 | 2252.6 | 2186.3 |
| 5505.5  | 17.5° | 5471.0  | 5318.5 | 4706.9 | 3753.0 | 2904.0 | 2474.2 | 2227.4 | 2126.6 | 2106.7 | 2098.7 |
| 5638.2  | 20°   | 5578.5  | 5346.3 | 4492.0 | 3291.4 | 2556.4 | 2195.6 | 2068.2 | 2058.9 | 2057.6 | 2053.6 |
| 5797.4  | 22.5° | 5693.9  | 5379.5 | 4208.1 | 2872.2 | 2260.6 | 2021.8 | 1999.2 | 1980.7 | 1968.7 | 1967.4 |
| 5989.7  | 25°   | 5830.6  | 5390.1 | 3852.5 | 2528.6 | 2008.5 | 1939.5 | 1913.0 | 1885.1 | 1877.2 | 1877.2 |
| 6208.6  | 27.5° | 5963.2  | 5354.3 | 3438.6 | 2230.1 | 1866.6 | 1863.9 | 1829.4 | 1820.1 | 1818.8 | 1822.8 |
| 6458.0  | 30°   | 6095.9  | 5286.6 | 3027.4 | 1954.1 | 1784.3 | 1784.3 | 1772.4 | 1779.0 | 1784.3 | 1797.6 |
| 6800.3  | 32.5° | 6275.0  | 5215.0 | 2683.8 | 1749.8 | 1712.7 | 1699.4 | 1711.4 | 1724.6 | 1729.9 | 1747.2 |
| 7250.0  | 35°   | 6537.6  | 5164.6 | 2410.5 | 1638.4 | 1638.4 | 1621.1 | 1627.8 | 1625.1 | 1613.2 | 1605.2 |
| 7794.0  | 37.5° | 6885.2  | 5161.9 | 2185.0 | 1586.7 | 1576.0 | 1573.4 | 1574.7 | 1557.5 | 1511.0 | 1455.3 |
| 8452.0  | 40°   | 7303.1  | 5233.6 | 2011.2 | 1550.8 | 1542.9 | 1558.8 | 1550.8 | 1504.4 | 1377.0 | 1280.2 |
| 9261.2  | 42.5° | 7864.3  | 5437.9 | 1899.7 | 1507.1 | 1530.9 | 1550.8 | 1519.0 | 1358.5 | 1272.2 | 1207.2 |
| 10183.2 | 45°   | 8524.9  | 5769.5 | 1842.7 | 1460.6 | 1508.4 | 1532.3 | 1378.4 | 1308.1 | 1239.1 | 1160.8 |
| 11188.8 | 47.5° | 9273.2  | 6187.4 | 1829.4 | 1416.8 | 1458.0 | 1472.6 | 1318.7 | 1286.8 | 1208.6 | 1123.7 |
| 12199.7 | 50°   | 10087.7 | 6682.2 | 1865.2 | 1365.1 | 1385.0 | 1334.6 | 1298.8 | 1269.6 | 1188.7 | 1105.1 |
| 13235.8 | 52.5° | 10930.1 | 7227.5 | 1936.9 | 1294.8 | 1312.0 | 1256.3 | 1290.8 | 1265.6 | 1176.7 | 1064.0 |
| 14306.4 | 55°   | 11757.9 | 7776.7 | 2005.9 | 1212.5 | 1237.7 | 1186.0 | 1268.3 | 1249.7 | 1122.3 | 995.0  |
| 15448.6 | 57.5° | 12599.0 | 8323.3 | 2073.5 | 1139.6 | 1166.1 | 1118.4 | 1232.4 | 1207.2 | 1061.3 | 931.3  |
| 16695.7 | 60°   | 13473.3 | 8853.9 | 2105.4 | 1069.3 | 1087.8 | 1056.0 | 1178.0 | 1134.3 | 992.3  | 866.3  |
| 17921.5 | 62.5° | 14291.8 | 9295.7 | 2053.6 | 999.0  | 1010.9 | 997.6  | 1106.4 | 1048.0 | 923.3  | 793.3  |
| 19199.0 | 65°   | 15113.0 | 9558.4 | 1894.4 | 930.0  | 932.6  | 926.0  | 1005.6 | 955.2  | 842.4  | 729.6  |
| 20317.4 | 67.5° | 15857.2 | 9705.6 | 1641.0 | 855.7  | 849.0  | 846.4  | 911.4  | 854.4  | 764.1  | 666.0  |
| 21167.8 | 70°   | 16015.1 | 9331.5 | 1253.7 | 768.1  | 768.1  | 761.5  | 807.9  | 749.5  | 677.9  | 598.3  |
| 20558.8 | 72.5° | 14627.5 | 7849.7 | 890.2  | 668.6  | 679.2  | 666.0  | 704.4  | 655.4  | 590.4  | 537.3  |
| 17718.5 | 75°   | 11795.1 | 5756.3 | 647.4  | 566.5  | 585.0  | 562.5  | 598.3  | 563.8  | 508.1  | 506.8  |
| 12210.3 | 77.5° | 8104.4  | 3559.4 | 469.6  | 467.0  | 480.2  | 451.1  | 492.2  | 473.6  | 423.2  | 400.6  |
| 5314.5  | 80°   | 3458.5  | 1419.5 | 342.3  | 360.8  | 360.8  | 334.3  | 382.1  | 387.4  | 343.6  | 333.0  |
| 1025.5  | 82.5° | 688.5   | 403.3  | 240.1  | 248.1  | 233.5  | 225.5  | 270.6  | 299.8  | 413.9  | 460.3  |
| 309.1   | 85°   | 207.0   | 148.6  | 144.6  | 135.3  | 119.4  | 120.7  | 159.2  | 301.1  | 371.5  | 212.3  |
| 102.2   | 87.5° | 57.0    | 37.1   | 38.5   | 30.5   | 25.2   | 33.2   | 54.4   | 228.2  | 124.7  | 53.1   |
| 0.0     | 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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| 180°   |
|--------|
| 5034.6 |
| 4874.0 |
| 4448.2 |
| 3757.0 |
| 2999.5 |
| 2514.0 |
| 2198.2 |
| 2104.0 |
| 2066.9 |
| 1982.0 |
| 1885.1 |
| 1833.4 |
| 1806.9 |
| 1761.8 |
| 1623.8 |
| 1456.6 |
| 1277.5 |
| 1204.6 |
| 1155.5 |
| 1117.0 |
| 1095.8 |
| 1056.0 |
| 988.3  |
| 928.6  |
| 862.3  |
| 792.0  |
| 721.7  |
| 658.0  |
| 595.7  |
| 521.4  |
| 456.4  |
| 375.4  |
| 333.0  |
| 461.7  |
| 183.1  |
| 45.1   |
| 0.0    |