

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: P957311

Luminaire Tested: **GLAN-SB9C-950-U-SL3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957311  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-950-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38214 lumens  
Efficiency: N/A  
Efficacy: 85.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 449.8  
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

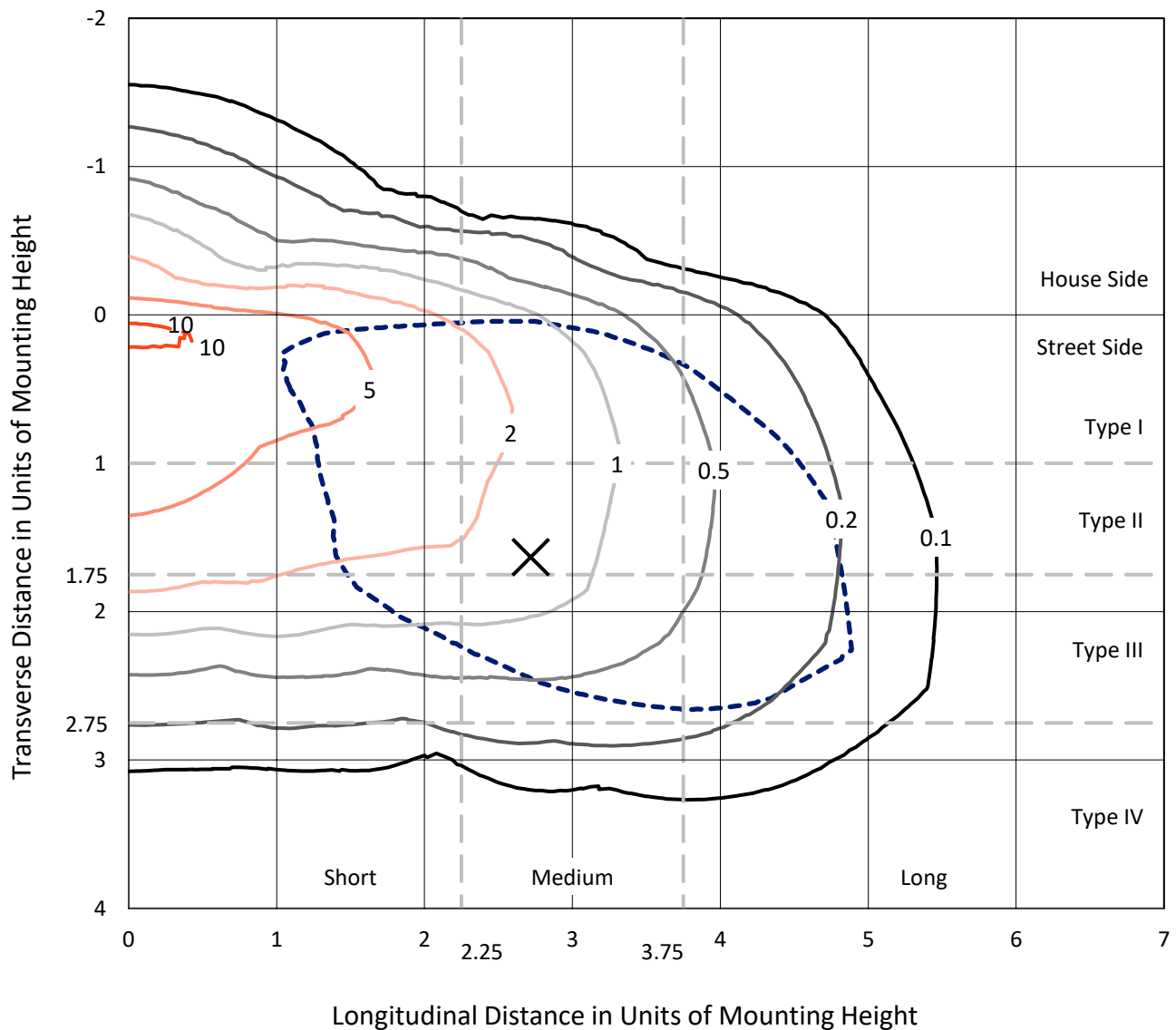


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## Iso-Footcandle Lines of Horizontal Illumination

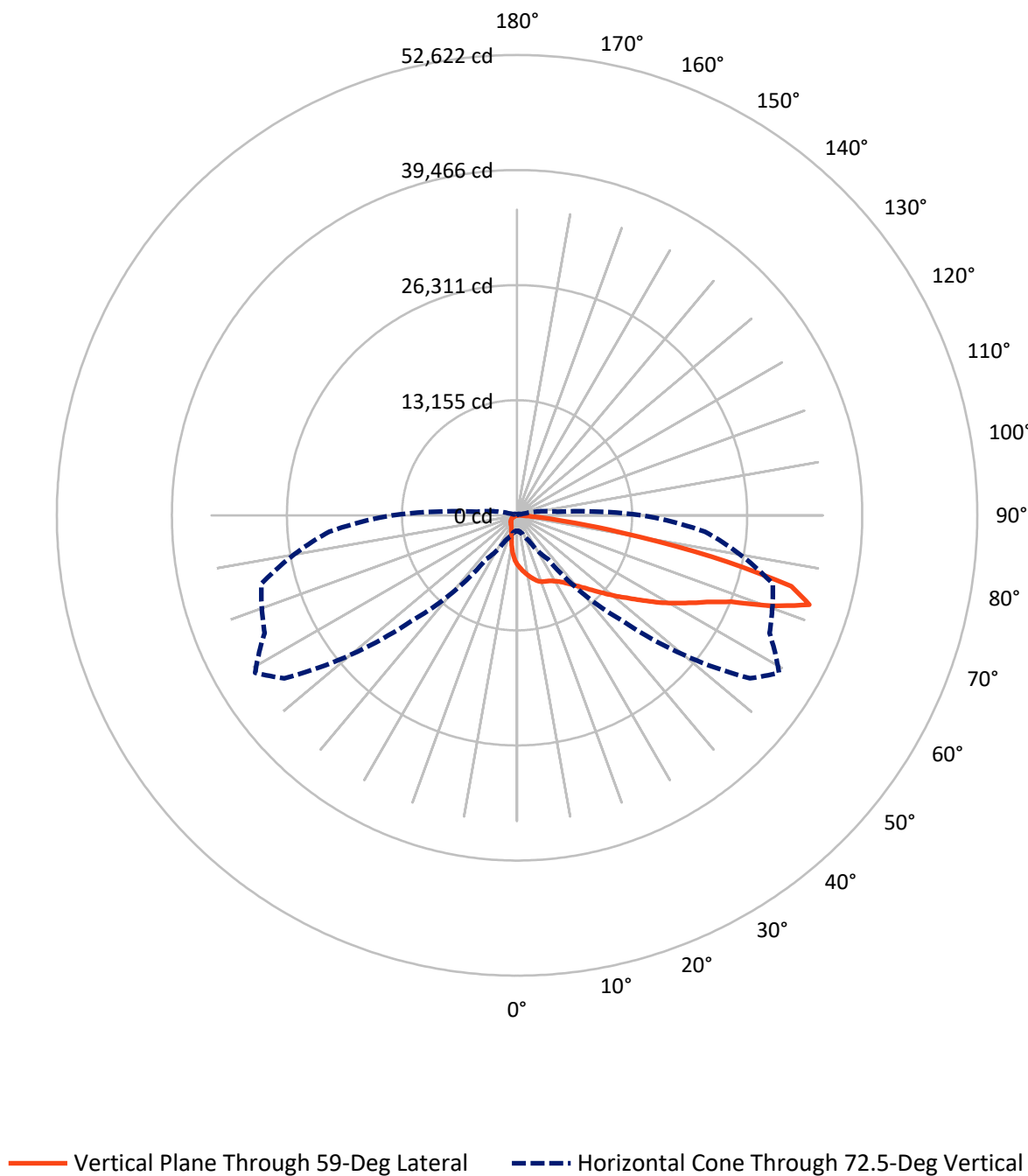
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc  
Type III - 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    | 4036.2   | 0.0    | 4036.2  |
|                    | % Fixture | 10.6     | 0.0    | 10.6    |
| <b>Street Side</b> | Lumens    | 34177.8  | 0.0    | 34177.8 |
|                    | % Fixture | 89.4     | 0.0    | 89.4    |
| <b>Total</b>       | Lumens    | 38214.0  | 0.0    | 38214.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 511.3   | 1.3       |
| 10°-20°   | 1358.0  | 3.6       |
| 20°-30°   | 2152.2  | 5.6       |
| 30°-40°   | 3453.9  | 9.0       |
| 40°-50°   | 5516.5  | 14.4      |
| 50°-60°   | 7987.2  | 20.9      |
| 60°-70°   | 9478.8  | 24.8      |
| 70°-80°   | 7036.7  | 18.4      |
| 80°-90°   | 719.4   | 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°    | 38214.0 | 100.0     |
| 0°-180°   | 38214.0 | 100.0     |

**Coefficient of Utilization**



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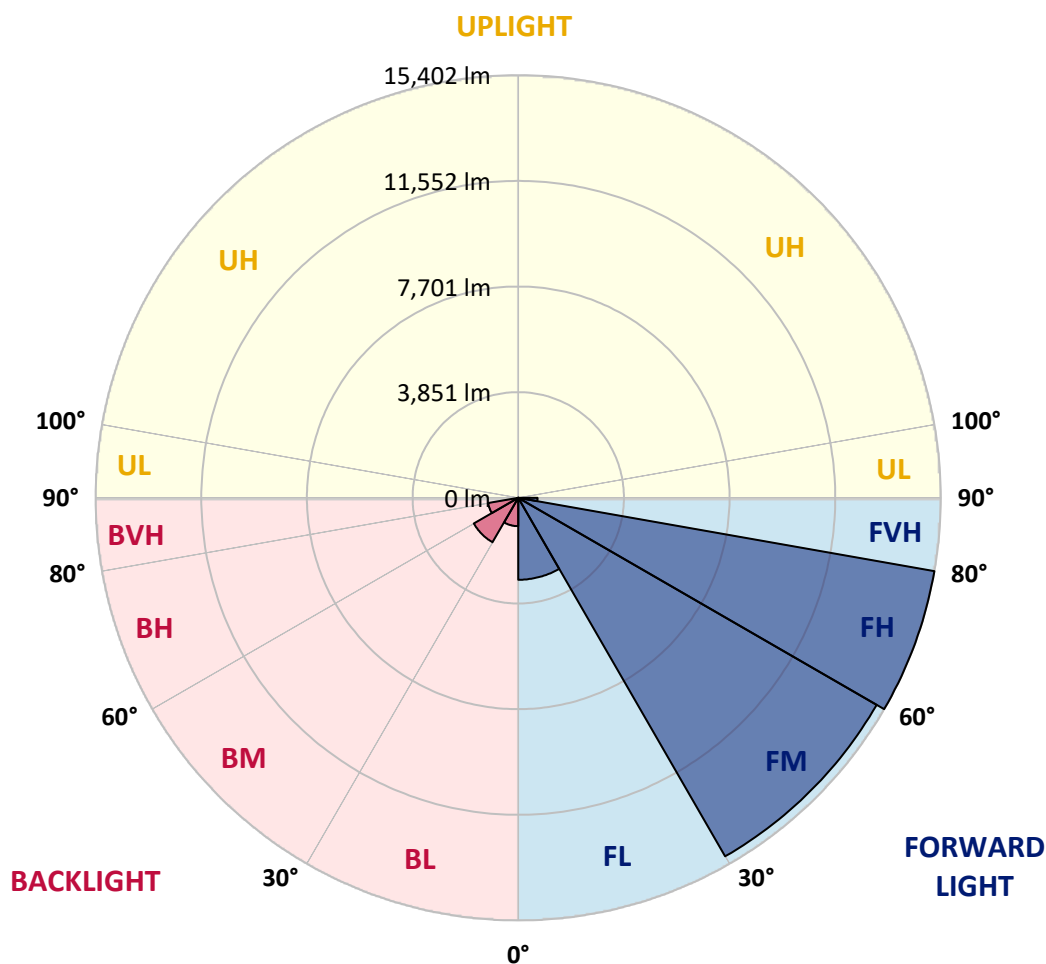
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2987.5  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 15086.3 | 39.5      |                         |      |         |
| FH   | (60°-80°)   | 15402.4 | 40.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 701.5   | 1.8       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1034.0  | 2.7       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 1871.3  | 4.9       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1113.1  | 2.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 17.9    | 0.0       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5650.9  | 5650.9  | 5650.9  | 5650.9  | 5650.9  | 5650.9  | 5650.9  | 5650.9  | 5650.9  | 5650.9  |
| 2.5°  | 6269.7  | 6234.7  | 6239.7  | 6179.9  | 6137.4  | 6092.5  | 6005.2  | 5992.7  | 5930.4  | 5820.6  |
| 5°    | 6816.1  | 6793.6  | 6773.6  | 6706.3  | 6619.0  | 6509.2  | 6362.0  | 6309.6  | 6194.8  | 6005.2  |
| 7.5°  | 7215.2  | 7187.8  | 7197.8  | 7130.4  | 7060.6  | 6938.3  | 6736.2  | 6638.9  | 6486.7  | 6197.3  |
| 10°   | 7292.6  | 7277.6  | 7342.5  | 7367.4  | 7367.4  | 7290.1  | 7093.0  | 6995.7  | 6773.6  | 6404.4  |
| 12.5° | 6858.5  | 6861.0  | 7023.1  | 7217.7  | 7472.2  | 7544.6  | 7412.3  | 7307.6  | 7088.0  | 6623.9  |
| 15°   | 6352.0  | 6354.5  | 6511.7  | 6761.2  | 7177.8  | 7594.5  | 7699.3  | 7631.9  | 7404.9  | 6861.0  |
| 17.5° | 6047.6  | 6035.2  | 6139.9  | 6344.5  | 6781.1  | 7367.4  | 7873.9  | 7918.8  | 7734.2  | 7122.9  |
| 20°   | 6005.2  | 5982.8  | 6037.6  | 6139.9  | 6451.8  | 7083.0  | 7893.9  | 8105.9  | 8073.5  | 7419.8  |
| 22.5° | 6264.7  | 6229.8  | 6199.8  | 6204.8  | 6337.0  | 6846.0  | 7844.0  | 8210.7  | 8422.8  | 7776.6  |
| 25°   | 6778.6  | 6723.7  | 6626.4  | 6501.7  | 6474.3  | 6796.1  | 7809.0  | 8325.5  | 8747.1  | 8233.2  |
| 27.5° | 7407.3  | 7330.0  | 7142.9  | 6955.8  | 6796.1  | 6935.8  | 7881.4  | 8507.6  | 9113.9  | 8764.6  |
| 30°   | 8098.4  | 8003.6  | 7816.5  | 7462.2  | 7207.8  | 7247.7  | 8053.5  | 8747.1  | 9582.9  | 9365.8  |
| 32.5° | 9113.9  | 8894.3  | 8567.5  | 8026.1  | 7689.3  | 7584.5  | 8313.0  | 9051.5  | 10164.2 | 10166.7 |
| 35°   | 9984.6  | 9862.3  | 9533.0  | 8859.4  | 8168.3  | 8031.1  | 8654.8  | 9480.6  | 10970.1 | 11227.0 |
| 37.5° | 10555.9 | 10388.7 | 10099.3 | 9592.9  | 8911.8  | 8490.1  | 9111.4  | 10007.0 | 11823.3 | 12434.6 |
| 40°   | 11194.6 | 11029.9 | 10645.7 | 10169.2 | 9775.0  | 9278.5  | 9687.7  | 10613.3 | 12758.9 | 13674.5 |
| 42.5° | 11965.5 | 11751.0 | 11296.9 | 10782.9 | 10371.3 | 10316.4 | 10441.1 | 11369.2 | 13719.4 | 15021.8 |
| 45°   | 12871.2 | 12669.1 | 12147.7 | 11499.0 | 11137.2 | 11039.9 | 11389.2 | 12249.9 | 14789.7 | 16498.7 |
| 47.5° | 13719.4 | 13484.9 | 12923.6 | 12332.3 | 11930.6 | 11623.7 | 12397.1 | 13290.3 | 16002.3 | 18043.1 |
| 50°   | 14440.5 | 14201.0 | 13687.0 | 13055.8 | 12783.8 | 12382.2 | 13387.6 | 14450.4 | 17204.8 | 19612.4 |
| 52.5° | 14934.4 | 14722.4 | 14118.6 | 13689.5 | 13504.9 | 13302.8 | 14547.7 | 15680.4 | 18402.4 | 21049.4 |
| 55°   | 14822.2 | 14632.6 | 14101.2 | 14071.2 | 14058.7 | 14270.8 | 15934.9 | 17075.1 | 19622.4 | 22409.2 |
| 57.5° | 14465.4 | 14250.8 | 13587.2 | 14043.8 | 14485.4 | 15134.0 | 17436.8 | 18724.2 | 20959.6 | 23691.5 |
| 60°   | 13415.1 | 13340.2 | 12936.0 | 13991.4 | 14665.0 | 15979.8 | 19153.3 | 20380.8 | 22406.7 | 24819.2 |
| 62.5° | 11192.1 | 11257.0 | 11254.5 | 14101.2 | 14989.3 | 16942.8 | 20712.6 | 22057.4 | 23821.3 | 25904.5 |
| 65°   | 8380.4  | 8604.9  | 8891.8  | 13113.2 | 15423.4 | 18661.8 | 22576.3 | 23876.2 | 25258.3 | 27166.9 |
| 67.5° | 5631.0  | 5810.6  | 6005.2  | 10758.0 | 14131.1 | 20468.1 | 25672.5 | 26368.6 | 26979.8 | 28566.6 |
| 70°   | 3223.4  | 3280.8  | 3552.7  | 6718.8  | 10892.7 | 19969.2 | 30714.7 | 30966.7 | 29547.1 | 30290.5 |
| 72.5° | 1806.3  | 1786.3  | 2145.6  | 3188.5  | 6087.5  | 17100.0 | 32481.1 | 34938.5 | 31844.9 | 30263.1 |
| 75°   | 1207.5  | 1210.0  | 1477.0  | 2010.9  | 2372.6  | 11970.5 | 27990.2 | 32396.2 | 30467.7 | 26835.1 |
| 77.5° | 823.3   | 850.8   | 1085.3  | 1554.3  | 1097.8  | 5840.6  | 18517.1 | 22693.6 | 24667.0 | 20722.6 |
| 80°   | 356.8   | 359.3   | 716.0   | 1115.2  | 741.0   | 1858.7  | 9600.4  | 12157.6 | 15470.9 | 11636.2 |
| 82.5° | 184.6   | 209.6   | 456.6   | 721.0   | 466.5   | 651.2   | 4535.7  | 5311.6  | 6491.7  | 3415.5  |
| 85°   | 64.9    | 77.3    | 281.9   | 354.3   | 234.5   | 232.0   | 1579.3  | 1609.2  | 1374.7  | 513.9   |
| 87.5° | 0.0     | 12.5    | 109.8   | 87.3    | 29.9    | 27.4    | 187.1   | 157.2   | 124.7   | 72.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5650.9  | 0°    | 5650.9  | 5650.9 | 5650.9 | 5650.9 | 5650.9 | 5650.9 | 5650.9 | 5650.9 | 5650.9 | 5650.9 |
| 5708.3  | 2.5°  | 5655.9  | 5588.6 | 5478.8 | 5344.1 | 5186.9 | 5102.1 | 4979.8 | 4905.0 | 4837.6 | 4840.1 |
| 5785.7  | 5°    | 5663.4  | 5551.1 | 5271.7 | 4974.8 | 4645.5 | 4403.5 | 4134.0 | 3944.4 | 3799.7 | 3764.8 |
| 5865.5  | 7.5°  | 5685.9  | 5496.3 | 5039.7 | 4545.7 | 3996.8 | 3590.2 | 3218.4 | 2983.9 | 2851.7 | 2816.7 |
| 5947.8  | 10°   | 5715.8  | 5436.4 | 4777.7 | 4021.8 | 3340.7 | 2851.7 | 2542.3 | 2392.6 | 2332.7 | 2287.8 |
| 6052.6  | 12.5° | 5740.8  | 5374.0 | 4448.4 | 3480.4 | 2756.9 | 2375.1 | 2140.6 | 2015.9 | 1963.5 | 1931.0 |
| 6174.9  | 15°   | 5783.2  | 5291.7 | 4091.6 | 2976.4 | 2362.7 | 2050.8 | 1828.8 | 1736.4 | 1721.5 | 1726.5 |
| 6309.6  | 17.5° | 5825.6  | 5211.8 | 3692.4 | 2582.2 | 2073.3 | 1766.4 | 1631.7 | 1616.7 | 1636.7 | 1656.6 |
| 6464.3  | 20°   | 5873.0  | 5097.1 | 3288.3 | 2285.3 | 1806.3 | 1569.3 | 1534.4 | 1544.3 | 1554.3 | 1589.2 |
| 6676.3  | 22.5° | 5942.8  | 4952.4 | 2934.0 | 2033.3 | 1584.3 | 1474.5 | 1457.0 | 1464.5 | 1472.0 | 1506.9 |
| 6955.8  | 25°   | 6042.6  | 4797.7 | 2647.1 | 1801.3 | 1444.5 | 1397.1 | 1379.7 | 1379.7 | 1389.7 | 1422.1 |
| 7280.1  | 27.5° | 6147.4  | 4578.1 | 2415.1 | 1586.8 | 1362.2 | 1312.3 | 1282.4 | 1282.4 | 1294.9 | 1332.3 |
| 7686.8  | 30°   | 6264.7  | 4378.5 | 2232.9 | 1427.1 | 1292.4 | 1227.5 | 1187.6 | 1177.6 | 1192.6 | 1240.0 |
| 8275.6  | 32.5° | 6476.8  | 4248.8 | 2103.2 | 1352.2 | 1230.0 | 1150.1 | 1095.3 | 1067.8 | 1082.8 | 1137.7 |
| 9098.9  | 35°   | 6798.6  | 4218.9 | 2013.4 | 1314.8 | 1170.1 | 1080.3 | 1002.9 | 960.5  | 973.0  | 1030.4 |
| 10114.3 | 37.5° | 7175.3  | 4281.2 | 1926.1 | 1264.9 | 1112.7 | 1012.9 | 910.6  | 855.7  | 875.7  | 928.1  |
| 11274.4 | 40°   | 7716.7  | 4540.7 | 1858.7 | 1227.5 | 1055.3 | 933.1  | 818.3  | 763.4  | 795.9  | 840.8  |
| 12482.0 | 42.5° | 8370.4  | 5002.3 | 1841.2 | 1192.6 | 985.5  | 848.3  | 733.5  | 693.6  | 718.5  | 760.9  |
| 13702.0 | 45°   | 9181.2  | 5591.1 | 1921.1 | 1147.7 | 908.1  | 765.9  | 666.1  | 643.7  | 651.2  | 693.6  |
| 14854.6 | 47.5° | 10051.9 | 6194.8 | 2140.6 | 1107.7 | 840.8  | 698.6  | 613.7  | 593.8  | 588.8  | 628.7  |
| 15907.5 | 50°   | 10932.6 | 6731.2 | 2400.1 | 1077.8 | 793.4  | 643.7  | 573.8  | 548.9  | 536.4  | 561.4  |
| 16947.8 | 52.5° | 11803.4 | 7157.9 | 2569.7 | 1027.9 | 746.0  | 588.8  | 538.9  | 501.5  | 479.0  | 491.5  |
| 17983.2 | 55°   | 12686.5 | 7532.1 | 2579.7 | 953.1  | 701.1  | 553.9  | 504.0  | 461.6  | 434.1  | 434.1  |
| 18981.2 | 57.5° | 13512.4 | 7861.4 | 2432.5 | 853.3  | 638.7  | 521.4  | 456.6  | 421.6  | 391.7  | 381.7  |
| 19866.9 | 60°   | 14243.4 | 8105.9 | 2188.0 | 741.0  | 583.8  | 479.0  | 409.2  | 381.7  | 344.3  | 324.3  |
| 20655.2 | 62.5° | 14894.5 | 8225.7 | 1853.7 | 626.2  | 516.4  | 429.1  | 364.3  | 334.3  | 284.4  | 259.5  |
| 21456.1 | 65°   | 15445.9 | 8103.4 | 1504.4 | 518.9  | 459.1  | 374.2  | 311.9  | 281.9  | 227.0  | 197.1  |
| 22356.8 | 67.5° | 15992.3 | 7544.6 | 1137.7 | 436.6  | 399.2  | 314.4  | 257.0  | 229.5  | 189.6  | 164.7  |
| 23012.9 | 70°   | 16062.1 | 6369.5 | 795.9  | 366.7  | 331.8  | 242.0  | 207.1  | 189.6  | 154.7  | 132.2  |
| 21548.4 | 72.5° | 14298.3 | 4583.1 | 484.0  | 299.4  | 259.5  | 172.1  | 164.7  | 149.7  | 114.8  | 99.8   |
| 17606.5 | 75°   | 11429.1 | 2809.3 | 284.4  | 224.5  | 172.1  | 122.2  | 122.2  | 107.3  | 77.3   | 64.9   |
| 12155.1 | 77.5° | 7898.8  | 1469.5 | 167.2  | 144.7  | 102.3  | 72.4   | 79.8   | 64.9   | 37.4   | 29.9   |
| 4815.2  | 80°   | 3163.5  | 558.9  | 89.8   | 67.4   | 47.4   | 32.4   | 27.4   | 15.0   | 7.5    | 5.0    |
| 988.0   | 82.5° | 631.2   | 147.2  | 29.9   | 17.5   | 17.5   | 7.5    | 0.0    | 0.0    | 0.0    | 0.0    |
| 271.9   | 85°   | 162.2   | 32.4   | 7.5    | 5.0    | 5.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 89.8    | 87.5° | 49.9    | 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    |

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| 180°   |
|--------|
| 5650.9 |
| 4895.0 |
| 3817.2 |
| 2851.7 |
| 2315.3 |
| 1948.5 |
| 1734.0 |
| 1664.1 |
| 1599.2 |
| 1516.9 |
| 1434.6 |
| 1347.2 |
| 1252.4 |
| 1152.6 |
| 1047.9 |
| 943.1  |
| 848.3  |
| 768.4  |
| 713.5  |
| 653.7  |
| 571.3  |
| 501.5  |
| 439.1  |
| 384.2  |
| 319.3  |
| 257.0  |
| 197.1  |
| 164.7  |
| 129.7  |
| 97.3   |
| 64.9   |
| 29.9   |
| 7.5    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |