

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: P944506

Luminaire Tested: **GLAN-SB9C-727-U-T3-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-727-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 49621 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
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

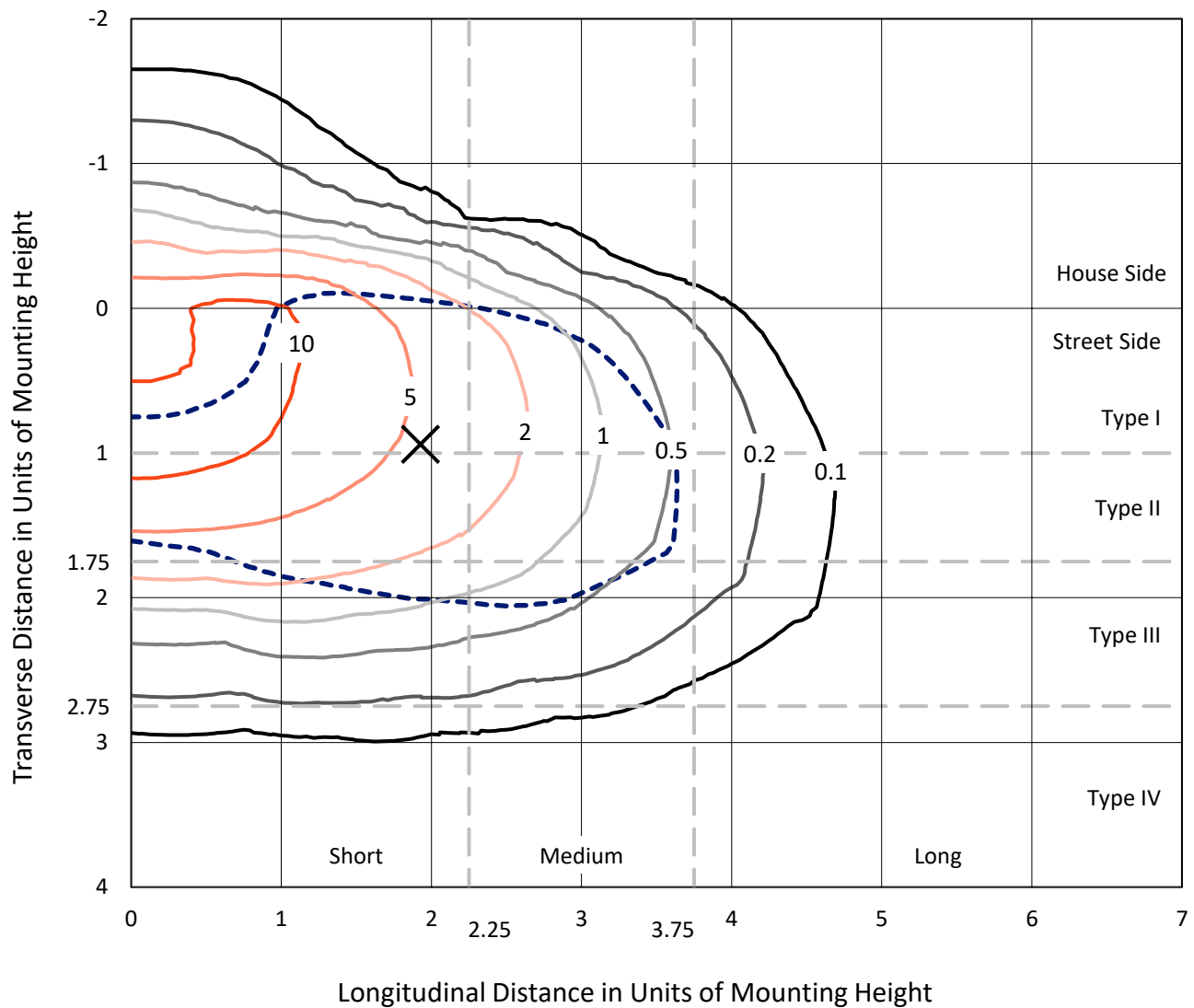


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd

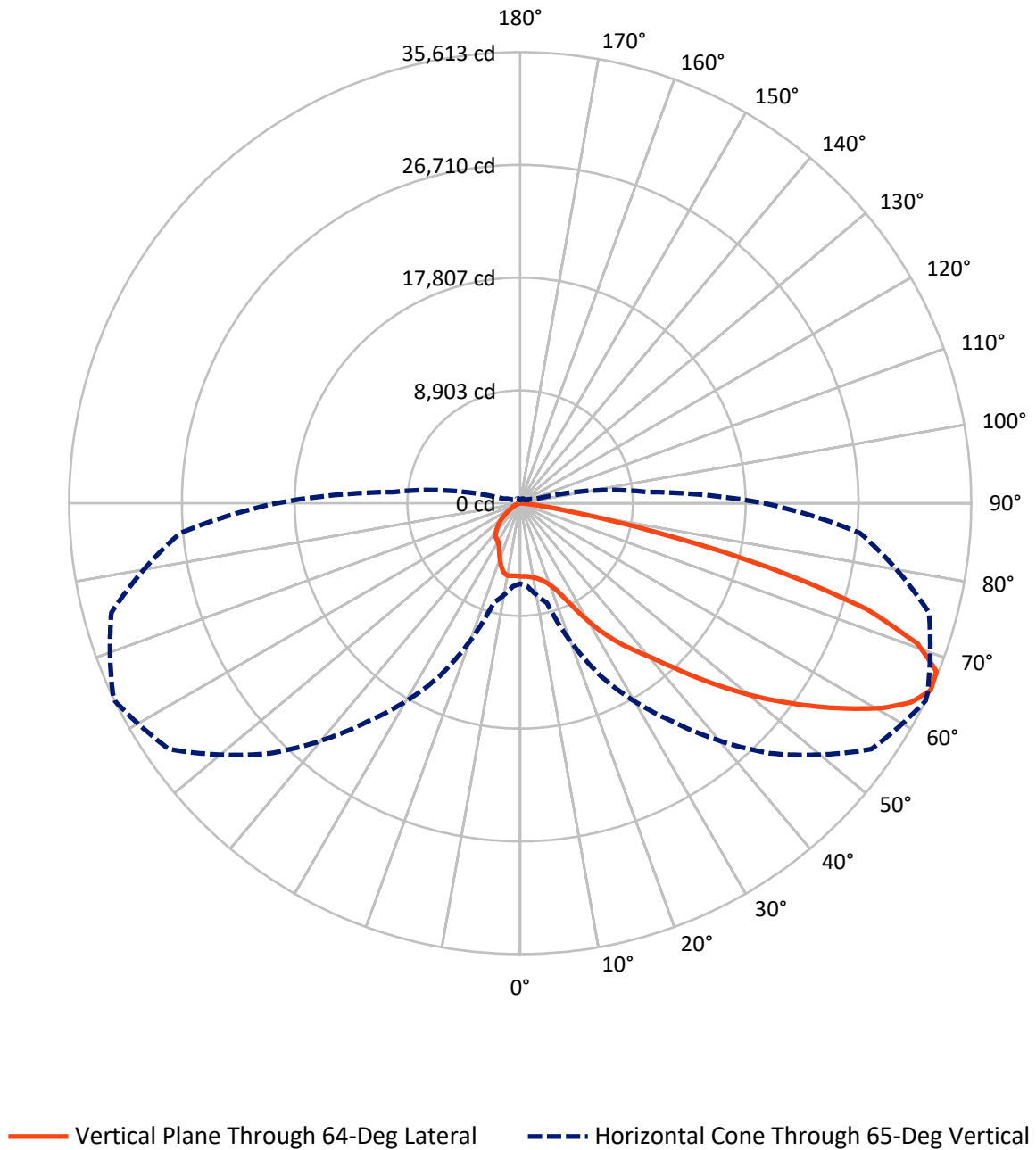


Based on 25 foot mounting height. Maximum calculated value = 14.5 fc  
Type III - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6635.8   | 0.0    | 6635.8  |
|                    | % Fixture | 13.4     | 0.0    | 13.4    |
| <b>Street Side</b> | Lumens    | 42985.2  | 0.0    | 42985.2 |
|                    | % Fixture | 86.6     | 0.0    | 86.6    |
| <b>Total</b>       | Lumens    | 49621.0  | 0.0    | 49621.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 532.5   | 1.1       |
| 10°-20°   | 1444.2  | 2.9       |
| 20°-30°   | 2736.7  | 5.5       |
| 30°-40°   | 5537.7  | 11.2      |
| 40°-50°   | 9433.6  | 19.0      |
| 50°-60°   | 12828.9 | 25.9      |
| 60°-70°   | 12047.0 | 24.3      |
| 70°-80°   | 4826.6  | 9.7       |
| 80°-90°   | 233.8   | 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°    | 49621.0 | 100.0     |
| 0°-180°   | 49621.0 | 100.0     |

**Coefficient of Utilization**



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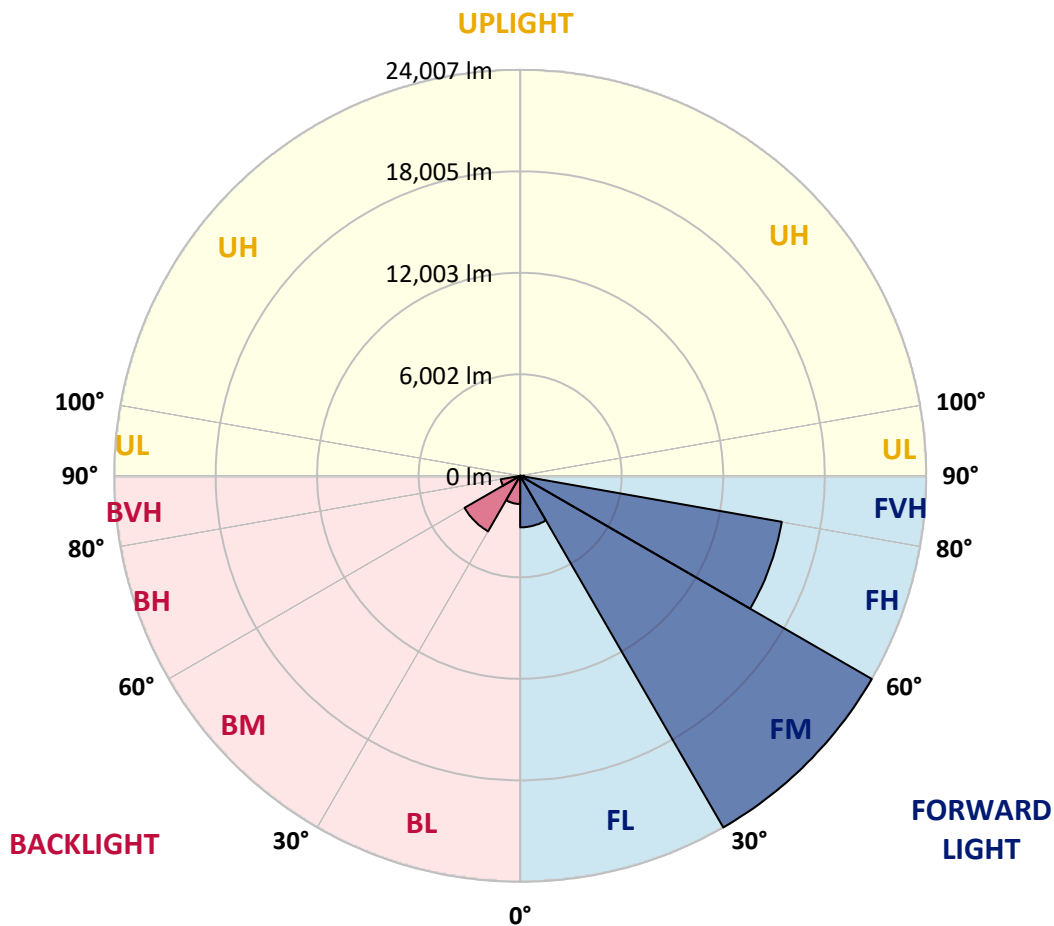
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3047.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 24006.6 | 48.4      |                         |      |         |
| FH   | (60°-80°)   | 15708.9 | 31.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 222.4   | 0.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1666.1  | 3.4       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3793.7  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1164.7  | 2.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 11.4    | 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 Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 64°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5771.4  | 5771.4  | 5771.4  | 5771.4  | 5771.4  | 5771.4  | 5771.4  | 5771.4  | 5771.4  | 5771.4  |
| 2.5°  | 5751.5  | 5791.4  | 5781.4  | 5771.4  | 5768.1  | 5774.8  | 5778.1  | 5774.8  | 5774.8  | 5774.8  |
| 5°    | 5641.7  | 5675.0  | 5675.0  | 5698.3  | 5731.5  | 5771.4  | 5801.4  | 5808.0  | 5814.7  | 5824.7  |
| 7.5°  | 5432.1  | 5458.7  | 5478.7  | 5555.2  | 5638.4  | 5744.8  | 5834.6  | 5881.2  | 5887.9  | 5924.5  |
| 10°   | 5289.1  | 5322.4  | 5355.6  | 5435.5  | 5555.2  | 5714.9  | 5867.9  | 5981.0  | 5997.6  | 6084.1  |
| 12.5° | 5282.4  | 5315.7  | 5359.0  | 5445.4  | 5585.2  | 5754.8  | 5941.1  | 6104.1  | 6134.0  | 6260.4  |
| 15°   | 5352.3  | 5392.2  | 5432.1  | 5538.6  | 5688.3  | 5894.5  | 6094.1  | 6297.0  | 6327.0  | 6506.6  |
| 17.5° | 5495.3  | 5548.6  | 5578.5  | 5684.9  | 5844.6  | 6074.1  | 6336.9  | 6569.8  | 6596.4  | 6806.0  |
| 20°   | 5778.1  | 5841.3  | 5851.3  | 5937.8  | 6094.1  | 6340.3  | 6653.0  | 6942.4  | 6975.6  | 7215.1  |
| 22.5° | 6363.6  | 6453.4  | 6373.5  | 6416.8  | 6556.5  | 6802.6  | 7141.9  | 7507.9  | 7554.4  | 7827.2  |
| 25°   | 7394.8  | 7521.2  | 7314.9  | 7241.7  | 7301.6  | 7557.8  | 7983.5  | 8445.9  | 8499.1  | 8718.7  |
| 27.5° | 9420.6  | 9257.6  | 8944.9  | 8638.9  | 8459.2  | 8605.6  | 9084.6  | 9656.8  | 9723.3  | 9936.2  |
| 30°   | 11646.0 | 11503.0 | 11080.5 | 10401.9 | 9976.1  | 9952.8  | 10395.2 | 11033.9 | 11110.4 | 11313.3 |
| 32.5° | 13874.7 | 13738.3 | 13279.3 | 12444.4 | 11705.9 | 11340.0 | 11646.0 | 12354.5 | 12394.5 | 12524.2 |
| 35°   | 16066.9 | 15927.2 | 15468.1 | 14613.2 | 13705.1 | 12873.5 | 12813.6 | 13611.9 | 13625.2 | 13761.6 |
| 37.5° | 18272.3 | 18155.9 | 17666.9 | 16828.6 | 15933.8 | 14786.2 | 14230.7 | 14802.8 | 14819.5 | 14952.5 |
| 40°   | 19845.8 | 19895.7 | 19559.7 | 18911.0 | 18142.6 | 16888.5 | 15820.7 | 16070.2 | 15970.4 | 16193.3 |
| 42.5° | 21196.3 | 21296.1 | 21003.4 | 20677.4 | 20231.6 | 19127.2 | 17790.0 | 17746.8 | 17587.1 | 17706.8 |
| 45°   | 22363.9 | 22447.1 | 22184.3 | 22107.8 | 22097.8 | 21322.7 | 19942.2 | 19682.8 | 19459.9 | 19436.6 |
| 47.5° | 22793.0 | 22952.7 | 23065.8 | 23321.9 | 23820.9 | 23494.9 | 22167.6 | 21765.1 | 21515.7 | 21332.7 |
| 50°   | 22956.0 | 23125.7 | 23511.5 | 24256.7 | 25437.6 | 25577.3 | 24383.1 | 23930.7 | 23624.6 | 23292.0 |
| 52.5° | 22736.5 | 23039.2 | 23558.1 | 24812.2 | 26525.3 | 27247.2 | 26508.7 | 26112.8 | 25763.6 | 25221.3 |
| 55°   | 21442.5 | 21745.2 | 22806.3 | 24805.5 | 27067.5 | 28418.1 | 28517.9 | 28341.6 | 27949.1 | 27094.2 |
| 57.5° | 18714.8 | 19163.8 | 20843.7 | 23960.6 | 27057.6 | 29426.0 | 30487.2 | 30613.6 | 30174.5 | 28950.3 |
| 60°   | 14935.9 | 15544.6 | 17593.7 | 22087.8 | 26222.6 | 29971.6 | 32213.6 | 32845.6 | 32379.9 | 30779.9 |
| 62.5° | 10421.9 | 11127.1 | 13066.4 | 19153.9 | 24313.2 | 29579.0 | 33474.3 | 34641.9 | 34289.3 | 32416.5 |
| 65°   | 6356.9  | 6583.1  | 8146.5  | 15072.3 | 21066.6 | 27935.8 | 33863.5 | 35613.3 | 35496.8 | 33417.8 |
| 67.5° | 4234.6  | 4424.2  | 4873.3  | 10335.4 | 16353.0 | 24652.5 | 32932.1 | 35443.6 | 35476.9 | 33254.8 |
| 70°   | 2551.4  | 2714.4  | 3007.1  | 6010.9  | 10598.2 | 19513.1 | 30048.1 | 33281.4 | 33474.3 | 31075.9 |
| 72.5° | 1051.2  | 1160.9  | 1427.1  | 2724.4  | 5488.7  | 12384.5 | 23927.3 | 28574.4 | 29023.5 | 26129.5 |
| 75°   | 595.4   | 652.0   | 838.3   | 1367.2  | 2381.8  | 5771.4  | 14493.5 | 20284.9 | 20946.8 | 18009.5 |
| 77.5° | 395.9   | 422.5   | 542.2   | 884.8   | 1340.6  | 1969.3  | 6193.9  | 10568.2 | 11832.3 | 9836.4  |
| 80°   | 266.1   | 289.4   | 372.6   | 592.1   | 871.5   | 844.9   | 1972.6  | 3915.3  | 4816.7  | 3379.7  |
| 82.5° | 179.6   | 183.0   | 266.1   | 389.2   | 552.2   | 409.2   | 582.1   | 1217.5  | 1530.2  | 978.0   |
| 85°   | 103.1   | 99.8    | 196.3   | 226.2   | 246.2   | 169.7   | 176.3   | 365.9   | 479.0   | 412.5   |
| 87.5° | 13.3    | 20.0    | 76.5    | 59.9    | 33.3    | 36.6    | 36.6    | 63.2    | 93.1    | 99.8    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5771.4  | 0°    | 5771.4  | 5771.4  | 5771.4 | 5771.4 | 5771.4 | 5771.4 | 5771.4 | 5771.4 | 5771.4 | 5771.4 |
| 5778.1  | 2.5°  | 5778.1  | 5774.8  | 5764.8 | 5754.8 | 5731.5 | 5718.2 | 5724.9 | 5718.2 | 5714.9 | 5718.2 |
| 5821.3  | 5°    | 5821.3  | 5811.4  | 5784.7 | 5751.5 | 5704.9 | 5648.4 | 5611.8 | 5558.5 | 5508.6 | 5478.7 |
| 5937.8  | 7.5°  | 5937.8  | 5927.8  | 5891.2 | 5798.0 | 5648.4 | 5412.2 | 5196.0 | 5006.3 | 4863.3 | 4780.1 |
| 6124.0  | 10°   | 6124.0  | 6107.4  | 6050.9 | 5844.6 | 5452.1 | 4936.5 | 4507.4 | 4151.4 | 3918.6 | 3808.8 |
| 6343.6  | 12.5° | 6343.6  | 6323.6  | 6223.8 | 5801.4 | 5079.5 | 4274.5 | 3682.4 | 3286.6 | 3070.3 | 2973.9 |
| 6596.4  | 15°   | 6603.1  | 6576.4  | 6380.2 | 5595.1 | 4537.3 | 3542.7 | 3000.5 | 2704.4 | 2564.7 | 2478.2 |
| 6919.1  | 17.5° | 6925.7  | 6879.2  | 6496.6 | 5285.8 | 3948.5 | 2983.8 | 2581.3 | 2358.5 | 2235.4 | 2152.2 |
| 7341.5  | 20°   | 7344.9  | 7268.4  | 6589.8 | 4916.5 | 3406.3 | 2631.2 | 2298.6 | 2112.3 | 2019.2 | 1946.0 |
| 7940.3  | 22.5° | 7930.3  | 7820.5  | 6702.9 | 4517.4 | 3023.8 | 2388.4 | 2089.0 | 1952.6 | 1876.1 | 1793.0 |
| 8775.2  | 25°   | 8655.5  | 8525.8  | 6842.6 | 4148.1 | 2761.0 | 2178.8 | 1936.0 | 1822.9 | 1733.1 | 1636.6 |
| 9869.7  | 27.5° | 9670.1  | 9437.2  | 7008.9 | 3845.4 | 2534.8 | 1999.2 | 1796.3 | 1669.9 | 1566.8 | 1486.9 |
| 11110.4 | 30°   | 10801.1 | 10418.5 | 7155.3 | 3662.5 | 2328.5 | 1832.9 | 1613.3 | 1486.9 | 1390.5 | 1333.9 |
| 12224.8 | 32.5° | 11872.2 | 11353.3 | 7251.7 | 3582.6 | 2142.3 | 1643.3 | 1413.8 | 1277.4 | 1204.2 | 1187.6 |
| 13315.9 | 35°   | 12883.4 | 12198.2 | 7241.7 | 3506.1 | 1975.9 | 1453.7 | 1217.5 | 1077.8 | 1021.2 | 1031.2 |
| 14490.1 | 37.5° | 14047.7 | 13099.7 | 7171.9 | 3386.4 | 1839.5 | 1280.7 | 1047.8 | 924.8  | 874.9  | 878.2  |
| 15917.2 | 40°   | 15401.6 | 14140.9 | 7128.6 | 3160.2 | 1689.9 | 1121.0 | 908.1  | 808.3  | 771.7  | 758.4  |
| 17420.8 | 42.5° | 16845.3 | 15148.8 | 7135.3 | 2904.0 | 1503.6 | 978.0  | 811.7  | 728.5  | 695.2  | 685.3  |
| 19094.0 | 45°   | 18295.6 | 16110.1 | 7145.3 | 2637.9 | 1307.3 | 868.2  | 741.8  | 671.9  | 652.0  | 638.7  |
| 20790.5 | 47.5° | 19659.5 | 16928.4 | 6959.0 | 2351.8 | 1114.4 | 785.0  | 685.3  | 638.7  | 622.1  | 605.4  |
| 22493.6 | 50°   | 20930.2 | 17474.0 | 6509.9 | 2019.2 | 961.4  | 718.5  | 642.0  | 608.7  | 592.1  | 575.5  |
| 24037.1 | 52.5° | 21918.2 | 17560.5 | 5768.1 | 1676.5 | 854.9  | 668.6  | 615.4  | 585.5  | 565.5  | 548.9  |
| 25284.6 | 55°   | 22357.3 | 17018.3 | 4713.6 | 1357.2 | 771.7  | 625.4  | 588.8  | 558.8  | 535.6  | 518.9  |
| 26265.9 | 57.5° | 22244.2 | 15877.3 | 3675.8 | 1091.1 | 691.9  | 582.1  | 555.5  | 535.6  | 509.0  | 482.3  |
| 27060.9 | 60°   | 21688.6 | 14350.4 | 2771.0 | 908.1  | 618.7  | 535.6  | 518.9  | 502.3  | 465.7  | 425.8  |
| 27366.9 | 62.5° | 20727.3 | 12431.0 | 1975.9 | 751.8  | 538.9  | 482.3  | 475.7  | 462.4  | 409.2  | 336.0  |
| 26914.5 | 65°   | 19257.0 | 10099.2 | 1330.6 | 625.4  | 462.4  | 422.5  | 425.8  | 402.5  | 332.6  | 249.5  |
| 25257.9 | 67.5° | 17108.1 | 7384.8  | 851.6  | 512.3  | 385.9  | 352.6  | 355.9  | 342.6  | 282.8  | 212.9  |
| 22117.7 | 70°   | 14370.4 | 4889.9  | 555.5  | 389.2  | 309.4  | 272.8  | 292.7  | 296.1  | 239.5  | 173.0  |
| 16975.0 | 72.5° | 10535.0 | 2887.4  | 389.2  | 289.4  | 226.2  | 189.6  | 239.5  | 246.2  | 192.9  | 129.7  |
| 10212.3 | 75°   | 6004.3  | 1370.5  | 292.7  | 209.6  | 139.7  | 133.1  | 186.3  | 186.3  | 133.1  | 86.5   |
| 4420.9  | 77.5° | 2521.5  | 572.2   | 206.2  | 136.4  | 79.8   | 76.5   | 126.4  | 116.4  | 66.5   | 39.9   |
| 1077.8  | 80°   | 728.5   | 256.1   | 109.8  | 66.5   | 33.3   | 29.9   | 49.9   | 36.6   | 16.6   | 6.7    |
| 409.2   | 82.5° | 286.1   | 113.1   | 43.2   | 26.6   | 13.3   | 13.3   | 6.7    | 0.0    | 0.0    | 0.0    |
| 232.9   | 85°   | 169.7   | 46.6    | 20.0   | 10.0   | 3.3    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 49.9    | 87.5° | 43.2    | 10.0    | 6.7    | 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°   |
|--------|
| 5771.4 |
| 5731.5 |
| 5485.4 |
| 4783.5 |
| 3798.8 |
| 2963.9 |
| 2481.6 |
| 2145.6 |
| 1932.7 |
| 1779.7 |
| 1626.6 |
| 1470.3 |
| 1323.9 |
| 1197.5 |
| 1031.2 |
| 891.5  |
| 755.1  |
| 681.9  |
| 638.7  |
| 605.4  |
| 575.5  |
| 545.5  |
| 515.6  |
| 479.0  |
| 419.1  |
| 329.3  |
| 242.8  |
| 202.9  |
| 166.3  |
| 123.1  |
| 79.8   |
| 39.9   |
| 6.7    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |

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