

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: P955608

Luminaire Tested: **GLAN-SB8C-735-U-SL2-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-735-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 49083 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

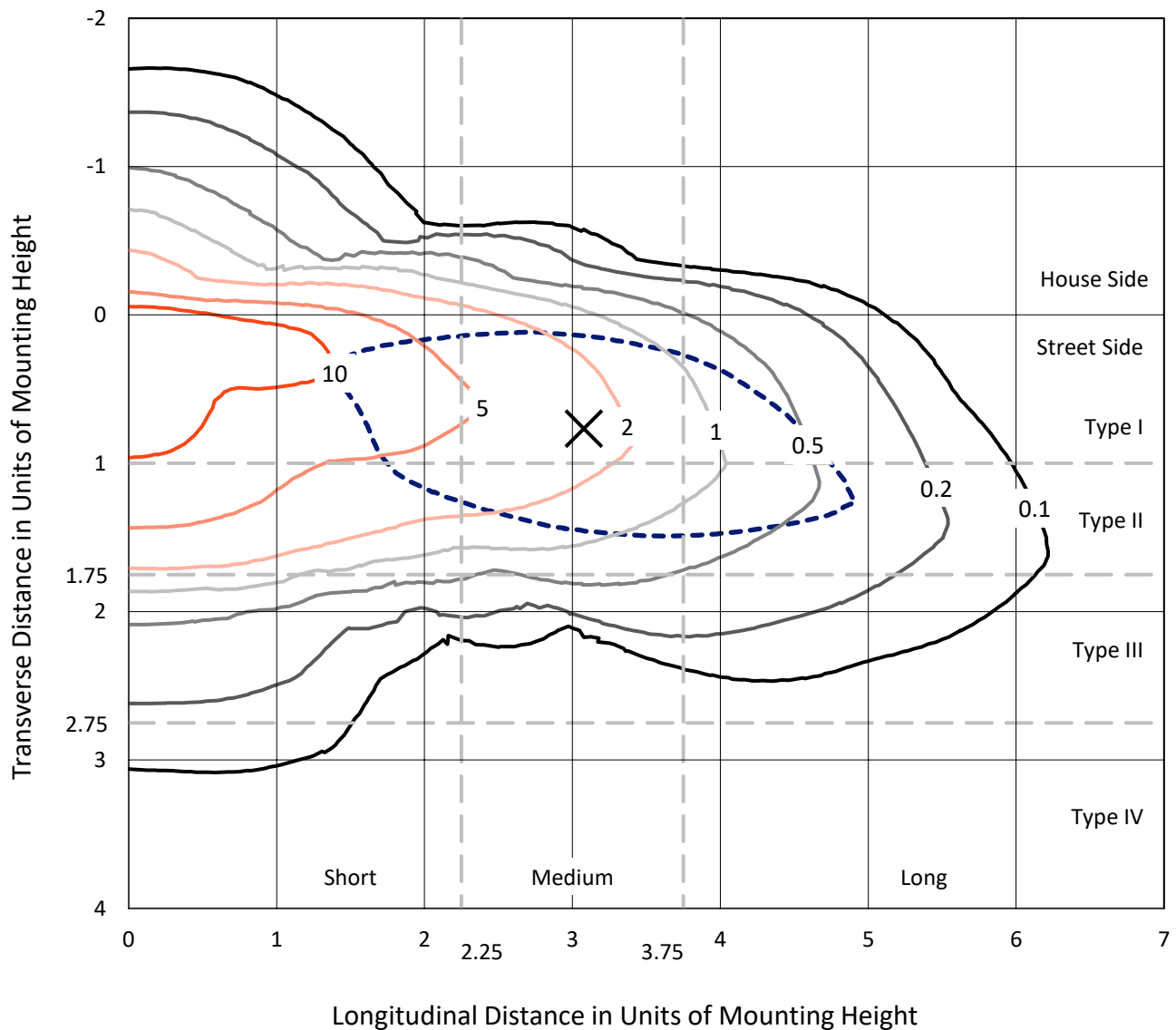
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

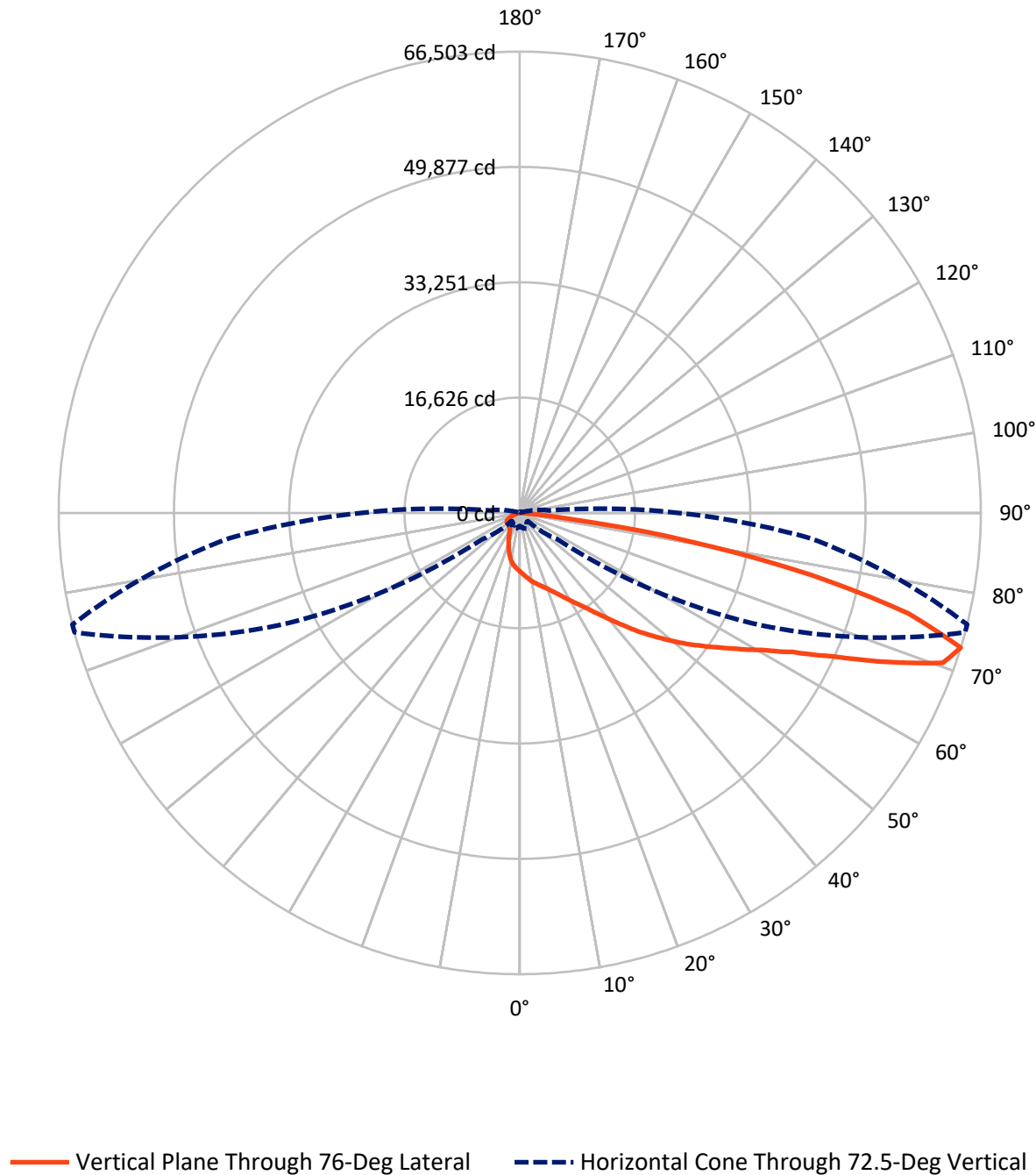
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 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    | 5023.6   | 0.0    | 5023.6  |
|                    | % Fixture | 10.2     | 0.0    | 10.2    |
| <b>Street Side</b> | Lumens    | 44059.3  | 0.0    | 44059.3 |
|                    | % Fixture | 89.8     | 0.0    | 89.8    |
| <b>Total</b>       | Lumens    | 49083.0  | 0.0    | 49083.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 771.5   | 1.6       |
| 10°-20°   | 2068.4  | 4.2       |
| 20°-30°   | 3273.8  | 6.7       |
| 30°-40°   | 5065.1  | 10.3      |
| 40°-50°   | 7693.0  | 15.7      |
| 50°-60°   | 10605.5 | 21.6      |
| 60°-70°   | 11204.1 | 22.8      |
| 70°-80°   | 7686.3  | 15.7      |
| 80°-90°   | 715.4   | 1.5       |
| 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°    | 49083.0 | 100.0     |
| 0°-180°   | 49083.0 | 100.0     |

**Coefficient of Utilization**



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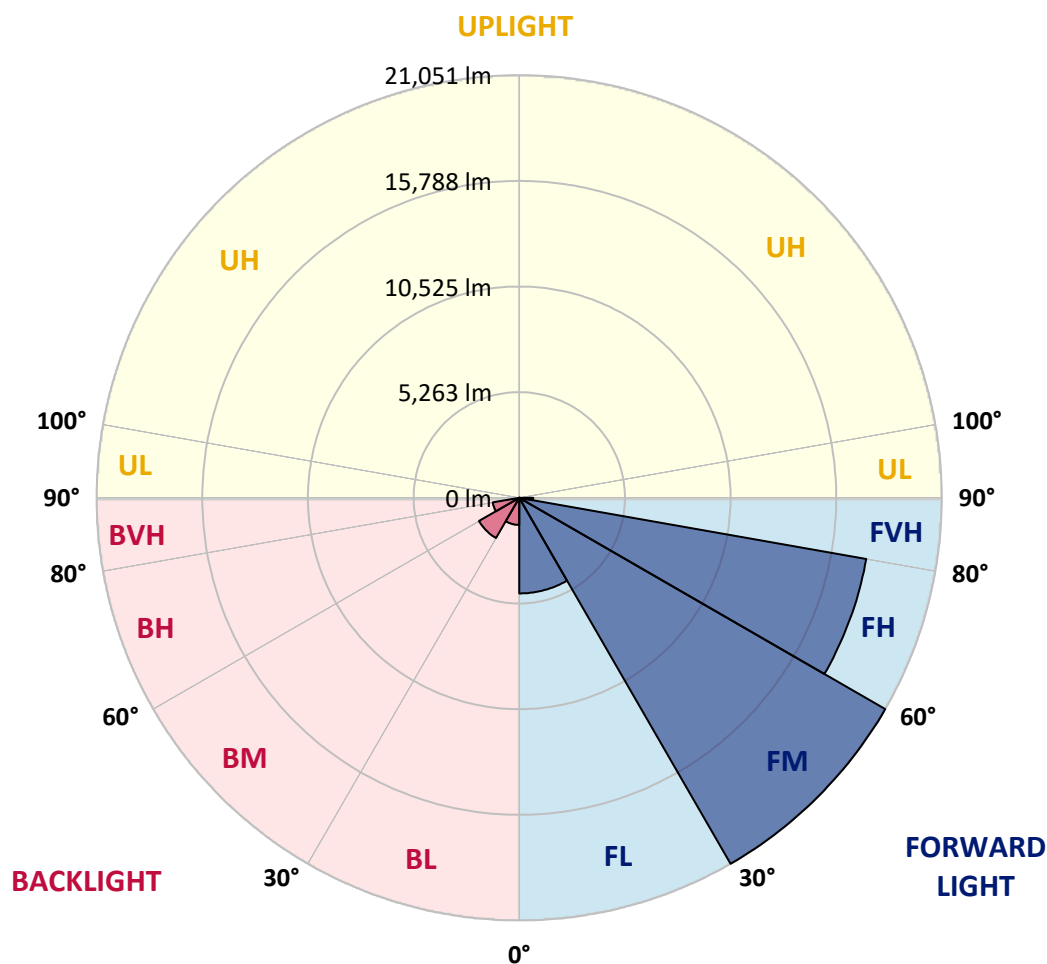
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4763.4  | 9.7       |                         |      |         |
| FM   | (30°-60°)   | 21050.6 | 42.9      |                         |      |         |
| FH   | (60°-80°)   | 17549.3 | 35.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 696.0   | 1.4       |                         |      | G4/750  |
| BL   | (0°-30°)    | 1350.3  | 2.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2312.9  | 4.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1341.1  | 2.7       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 19.3    | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 76°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8482.0  | 8482.0  | 8482.0  | 8482.0  | 8482.0  | 8482.0  | 8482.0  | 8482.0  | 8482.0  | 8482.0  |
| 2.5°  | 9860.6  | 9730.1  | 9755.5  | 9625.0  | 9564.5  | 9418.0  | 9265.2  | 9064.6  | 8841.8  | 8841.8  |
| 5°    | 10898.6 | 10815.8 | 10815.8 | 10663.0 | 10545.2 | 10315.9 | 10042.1 | 9688.7  | 9268.4  | 9227.0  |
| 7.5°  | 11535.4 | 11484.4 | 11516.2 | 11427.1 | 11331.6 | 11092.8 | 10768.0 | 10306.4 | 9711.0  | 9660.0  |
| 10°   | 11659.5 | 11656.3 | 11745.5 | 11771.0 | 11834.6 | 11713.7 | 11423.9 | 10892.2 | 10147.2 | 10073.9 |
| 12.5° | 11178.8 | 11118.3 | 11337.9 | 11595.8 | 11958.8 | 12121.2 | 11971.5 | 11427.1 | 10545.2 | 10443.3 |
| 15°   | 10389.1 | 10401.9 | 10612.0 | 11010.0 | 11614.9 | 12194.4 | 12388.6 | 11949.3 | 10949.5 | 10828.5 |
| 17.5° | 9937.0  | 9889.3  | 10070.7 | 10427.3 | 11096.0 | 11914.2 | 12582.9 | 12436.4 | 11379.3 | 11242.4 |
| 20°   | 9882.9  | 9879.7  | 9921.1  | 10083.5 | 10592.9 | 11513.1 | 12560.6 | 12910.8 | 11885.6 | 11726.4 |
| 22.5° | 10258.6 | 10252.2 | 10217.2 | 10185.4 | 10325.5 | 11121.4 | 12465.1 | 13362.9 | 12490.5 | 12318.6 |
| 25°   | 10834.9 | 10825.3 | 10771.2 | 10577.0 | 10440.1 | 10911.3 | 12375.9 | 13783.2 | 13206.9 | 13015.9 |
| 27.5° | 11538.5 | 11532.2 | 11433.5 | 11140.5 | 10787.1 | 10930.4 | 12331.3 | 14216.2 | 14034.7 | 13846.9 |
| 30°   | 12401.4 | 12388.6 | 12184.9 | 11771.0 | 11309.3 | 11232.9 | 12391.8 | 14703.4 | 14897.6 | 14754.3 |
| 32.5° | 13483.9 | 13448.9 | 13181.4 | 12557.4 | 11911.1 | 11637.2 | 12506.4 | 15203.2 | 15919.6 | 15785.9 |
| 35°   | 14321.3 | 14267.2 | 14111.1 | 13560.3 | 12608.3 | 12133.9 | 12773.9 | 15795.4 | 17148.6 | 17030.8 |
| 37.5° | 15040.8 | 14986.7 | 14859.4 | 14407.2 | 13608.1 | 12767.5 | 13203.7 | 16585.1 | 18600.5 | 18543.2 |
| 40°   | 15817.7 | 15728.6 | 15668.1 | 15184.1 | 14461.4 | 13681.3 | 13818.2 | 17508.4 | 20272.0 | 20278.4 |
| 42.5° | 16416.3 | 16381.3 | 16387.6 | 16015.1 | 15286.0 | 14763.8 | 14633.3 | 18549.5 | 22274.7 | 22335.2 |
| 45°   | 16928.9 | 16900.3 | 17018.1 | 16757.0 | 16117.0 | 15473.9 | 15588.5 | 19727.6 | 24465.3 | 24589.4 |
| 47.5° | 17323.7 | 17355.6 | 17524.3 | 17355.6 | 16979.9 | 15973.7 | 16435.4 | 20998.0 | 26767.2 | 26783.2 |
| 50°   | 17718.5 | 17731.3 | 18011.4 | 17928.7 | 17775.8 | 16607.3 | 17215.5 | 22418.0 | 29193.4 | 29222.0 |
| 52.5° | 17842.7 | 17823.6 | 18269.3 | 18473.1 | 18479.5 | 17390.6 | 18224.8 | 23965.4 | 31571.8 | 31664.1 |
| 55°   | 17205.9 | 17260.0 | 17979.6 | 18807.4 | 19135.4 | 18473.1 | 19587.5 | 25923.5 | 34106.2 | 34144.4 |
| 57.5° | 14092.0 | 14391.3 | 15983.3 | 17903.2 | 19558.8 | 20023.7 | 21545.6 | 28212.7 | 37032.2 | 36997.2 |
| 60°   | 8552.0  | 8908.6  | 10812.6 | 15015.4 | 18177.0 | 21580.6 | 24430.2 | 31759.6 | 40228.9 | 40130.2 |
| 62.5° | 4782.3  | 4890.5  | 5498.6  | 8988.2  | 13824.6 | 20590.4 | 27248.0 | 36315.8 | 44520.8 | 44186.5 |
| 65°   | 3524.6  | 3559.6  | 3702.9  | 4403.4  | 6794.5  | 15836.8 | 26630.3 | 41763.5 | 50551.1 | 49955.7 |
| 67.5° | 3062.9  | 3098.0  | 3238.0  | 3333.6  | 3034.3  | 8319.6  | 21940.4 | 44785.1 | 58208.5 | 57428.4 |
| 70°   | 2579.0  | 2598.1  | 2824.1  | 2887.8  | 2171.4  | 3164.8  | 14095.2 | 43852.2 | 65295.9 | 64738.7 |
| 72.5° | 1923.1  | 1999.5  | 2327.4  | 2480.3  | 1741.6  | 1681.1  | 6635.3  | 38340.8 | 66496.2 | 66502.6 |
| 75°   | 1305.4  | 1375.5  | 1751.2  | 2040.9  | 1343.6  | 1178.1  | 2677.7  | 28629.8 | 57902.8 | 57902.8 |
| 77.5° | 891.5   | 948.8   | 1219.4  | 1601.5  | 1018.9  | 808.7   | 1388.2  | 18170.6 | 41540.6 | 43002.1 |
| 80°   | 394.8   | 429.8   | 786.4   | 1162.1  | 773.7   | 522.2   | 786.4   | 9949.8  | 25121.1 | 24812.3 |
| 82.5° | 194.2   | 222.9   | 503.1   | 725.9   | 499.9   | 321.6   | 413.9   | 4731.3  | 8141.3  | 7736.9  |
| 85°   | 38.2    | 50.9    | 270.6   | 308.8   | 232.4   | 143.3   | 156.0   | 1455.1  | 980.6   | 1120.7  |
| 87.5° | 0.0     | 0.0     | 82.8    | 57.3    | 25.5    | 31.8    | 31.8    | 130.5   | 76.4    | 89.1    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 8482.0  | 0°    | 8482.0  | 8482.0 | 8482.0 | 8482.0 | 8482.0 | 8482.0 | 8482.0 | 8482.0 | 8482.0 | 8482.0 |
| 8625.2  | 2.5°  | 8510.6  | 8392.8 | 8134.9 | 7880.2 | 7619.1 | 7380.3 | 7214.8 | 7049.2 | 6947.3 | 6902.7 |
| 8816.3  | 5°    | 8577.5  | 8338.7 | 7797.4 | 7230.7 | 6670.3 | 6122.7 | 5712.0 | 5326.7 | 5205.7 | 5005.1 |
| 9042.3  | 7.5°  | 8682.6  | 8294.1 | 7440.8 | 6485.7 | 5575.0 | 4772.7 | 4193.2 | 3731.6 | 3546.9 | 3368.6 |
| 9236.6  | 10°   | 8752.6  | 8211.3 | 6969.6 | 5692.9 | 4460.7 | 3559.6 | 3005.6 | 2671.3 | 2550.3 | 2442.1 |
| 9418.0  | 12.5° | 8781.3  | 8058.5 | 6428.3 | 4804.5 | 3470.5 | 2712.7 | 2381.6 | 2225.6 | 2184.2 | 2146.0 |
| 9590.0  | 15°   | 8806.7  | 7908.9 | 5823.4 | 3948.1 | 2741.4 | 2270.1 | 2139.6 | 2088.7 | 2060.0 | 2034.5 |
| 9765.1  | 17.5° | 8829.0  | 7717.8 | 5132.5 | 3209.4 | 2314.7 | 2091.8 | 2028.2 | 1974.0 | 1951.7 | 1923.1 |
| 10016.6 | 20°   | 8905.4  | 7533.2 | 4514.8 | 2649.0 | 2082.3 | 1964.5 | 1894.4 | 1837.1 | 1818.0 | 1798.9 |
| 10373.2 | 22.5° | 9048.7  | 7383.5 | 3916.2 | 2270.1 | 1942.2 | 1833.9 | 1744.8 | 1681.1 | 1668.4 | 1655.6 |
| 10806.2 | 25°   | 9220.6  | 7198.8 | 3352.7 | 2025.0 | 1805.3 | 1684.3 | 1585.6 | 1531.5 | 1518.7 | 1521.9 |
| 11306.1 | 27.5° | 9440.3  | 6995.1 | 2868.7 | 1869.0 | 1684.3 | 1544.2 | 1432.8 | 1391.4 | 1397.7 | 1410.5 |
| 11882.4 | 30°   | 9682.3  | 6807.2 | 2489.8 | 1760.7 | 1576.0 | 1420.0 | 1308.6 | 1279.9 | 1302.2 | 1321.3 |
| 12652.9 | 32.5° | 10042.1 | 6641.7 | 2225.6 | 1674.7 | 1480.5 | 1318.1 | 1229.0 | 1194.0 | 1219.4 | 1244.9 |
| 13636.7 | 35°   | 10532.4 | 6558.9 | 2075.9 | 1601.5 | 1397.7 | 1238.5 | 1149.4 | 1123.9 | 1149.4 | 1155.8 |
| 14837.1 | 37.5° | 11134.2 | 6552.5 | 2012.2 | 1541.0 | 1321.3 | 1171.7 | 1073.0 | 1063.4 | 1082.5 | 1085.7 |
| 16279.4 | 40°   | 11911.1 | 6593.9 | 1964.5 | 1496.4 | 1241.7 | 1095.3 | 1002.9 | 993.4  | 999.8  | 1022.0 |
| 18014.6 | 42.5° | 12894.9 | 6765.8 | 1897.6 | 1439.1 | 1155.8 | 1018.9 | 945.6  | 923.3  | 920.2  | 945.6  |
| 19956.8 | 45°   | 14130.2 | 7144.7 | 1808.5 | 1346.8 | 1079.3 | 955.2  | 881.9  | 856.5  | 846.9  | 853.3  |
| 21962.7 | 47.5° | 15477.0 | 7609.6 | 1719.3 | 1260.8 | 1025.2 | 904.2  | 831.0  | 799.2  | 783.2  | 783.2  |
| 23838.0 | 50°   | 16782.5 | 8134.9 | 1658.8 | 1171.7 | 987.0  | 856.5  | 776.9  | 745.0  | 719.6  | 713.2  |
| 25767.5 | 52.5° | 18075.1 | 8650.7 | 1611.1 | 1082.5 | 942.4  | 796.0  | 725.9  | 690.9  | 662.3  | 649.5  |
| 27677.8 | 55°   | 19253.2 | 9141.0 | 1528.3 | 996.6  | 885.1  | 732.3  | 675.0  | 640.0  | 604.9  | 582.7  |
| 29613.7 | 57.5° | 20383.5 | 9548.6 | 1375.5 | 907.4  | 796.0  | 671.8  | 620.9  | 582.7  | 541.3  | 512.6  |
| 31571.8 | 60°   | 21411.9 | 9758.7 | 1184.4 | 811.9  | 706.8  | 608.1  | 560.4  | 525.3  | 471.2  | 423.5  |
| 33498.0 | 62.5° | 22195.1 | 9675.9 | 977.5  | 703.6  | 614.5  | 550.8  | 490.3  | 455.3  | 391.6  | 334.3  |
| 35806.4 | 65°   | 22997.5 | 9223.8 | 780.1  | 589.0  | 538.1  | 474.4  | 410.7  | 375.7  | 302.5  | 242.0  |
| 38929.8 | 67.5° | 24038.6 | 8259.1 | 614.5  | 490.3  | 464.9  | 375.7  | 321.6  | 299.3  | 248.3  | 191.0  |
| 42282.5 | 70°   | 24707.2 | 6415.6 | 477.6  | 398.0  | 382.1  | 273.8  | 248.3  | 245.2  | 197.4  | 146.5  |
| 42056.4 | 72.5° | 22873.3 | 4206.0 | 366.2  | 302.5  | 273.8  | 178.3  | 191.0  | 191.0  | 143.3  | 98.7   |
| 36866.6 | 75°   | 19094.0 | 2461.2 | 264.3  | 216.5  | 156.0  | 114.6  | 130.5  | 130.5  | 89.1   | 47.8   |
| 26276.9 | 77.5° | 13636.7 | 1311.8 | 175.1  | 133.7  | 79.6   | 50.9   | 70.0   | 66.9   | 28.7   | 3.2    |
| 10300.0 | 80°   | 5215.3  | 452.1  | 82.8   | 54.1   | 22.3   | 9.6    | 6.4    | 3.2    | 3.2    | 0.0    |
| 1607.9  | 82.5° | 796.0   | 117.8  | 15.9   | 12.7   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 340.7   | 85°   | 143.3   | 15.9   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 89.1    | 87.5° | 31.8    | 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°   |
|--------|
| 8482.0 |
| 6909.1 |
| 5017.9 |
| 3365.4 |
| 2438.9 |
| 2146.0 |
| 2034.5 |
| 1923.1 |
| 1802.1 |
| 1646.1 |
| 1515.5 |
| 1404.1 |
| 1315.0 |
| 1238.5 |
| 1152.6 |
| 1079.3 |
| 1018.9 |
| 942.4  |
| 862.8  |
| 783.2  |
| 710.0  |
| 643.2  |
| 573.1  |
| 499.9  |
| 410.7  |
| 312.0  |
| 226.1  |
| 178.3  |
| 130.5  |
| 86.0   |
| 38.2   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |