

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: P952829

Luminaire Tested: **GLAN-SB6C-760-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952829  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-760-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37010 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 300.9  
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

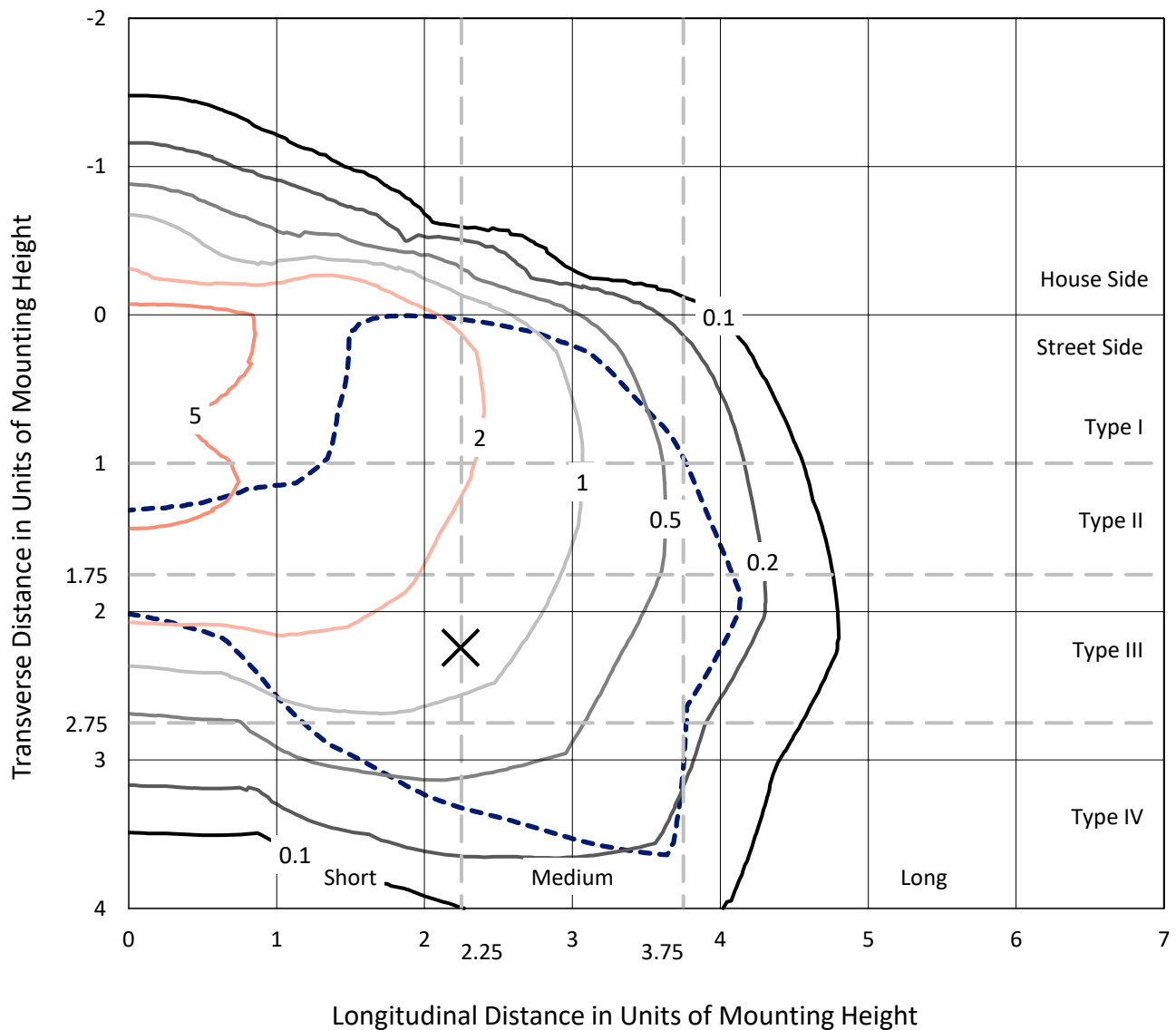


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## Iso-Footcandle Lines of Horizontal Illumination

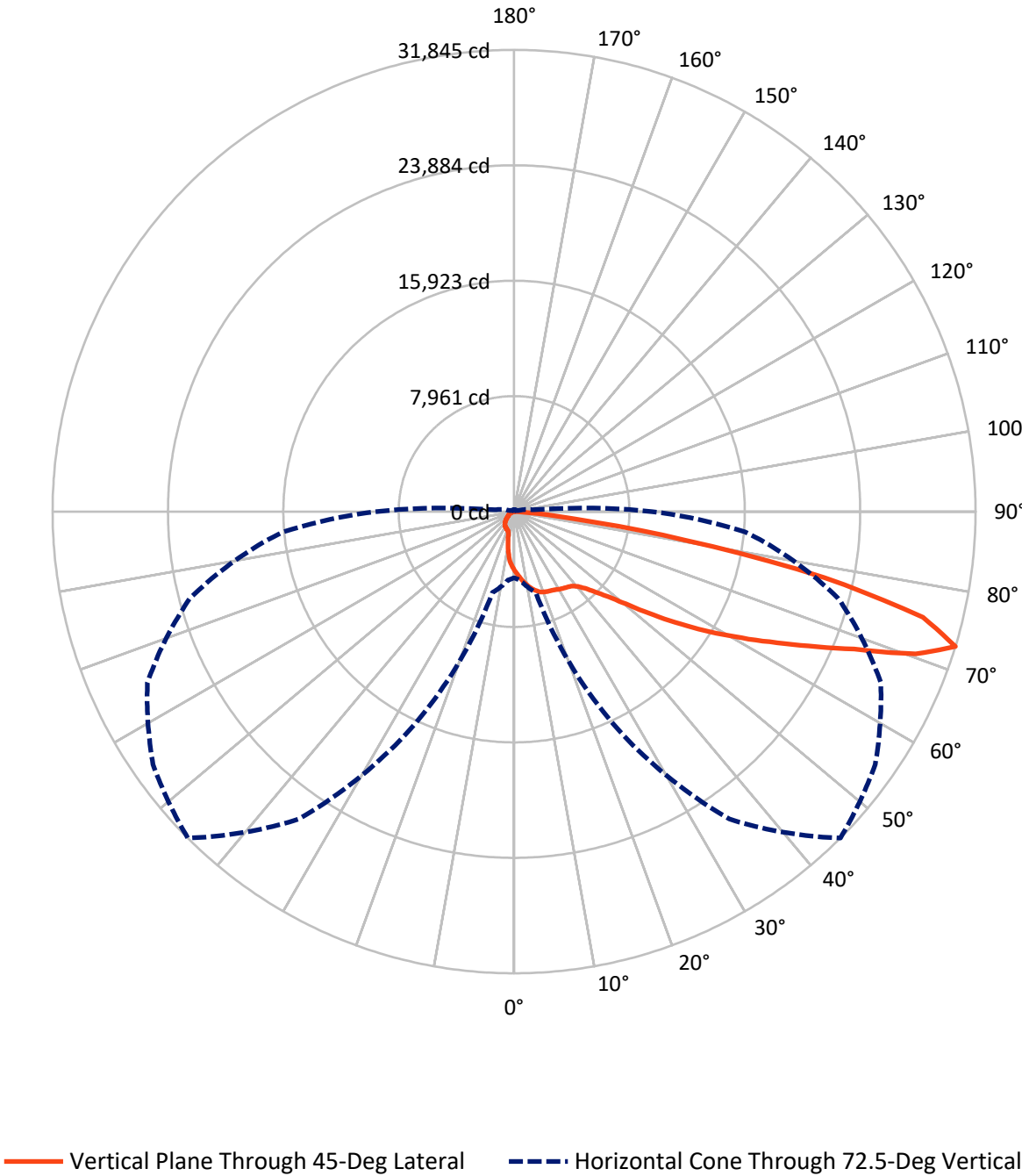
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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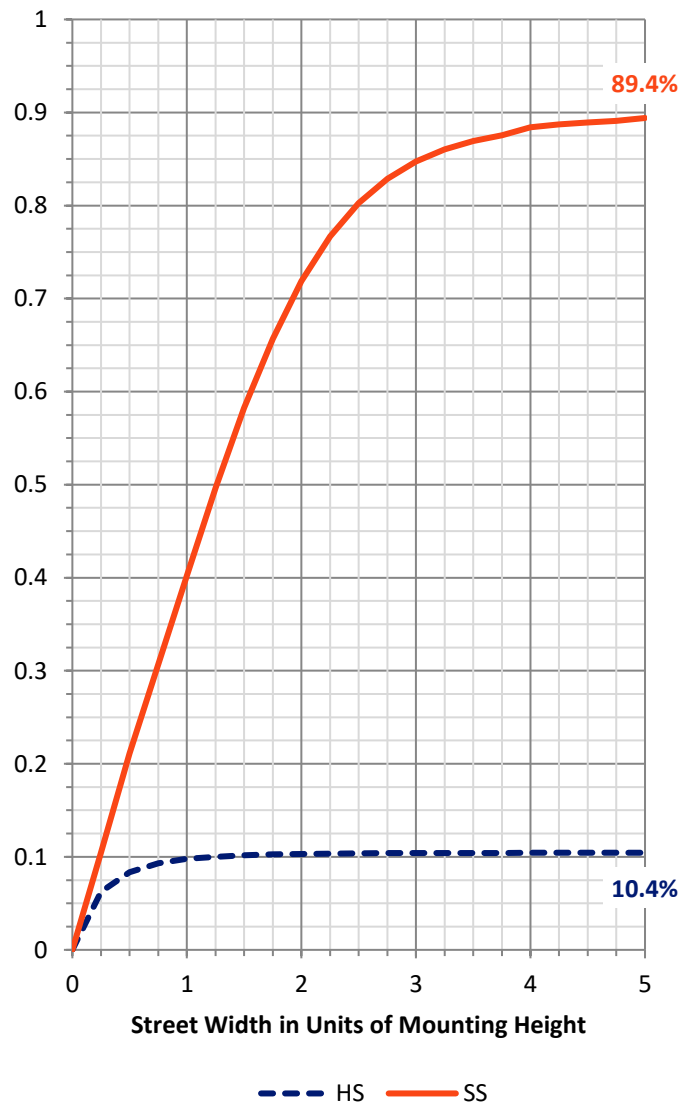
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3888.7   | 0.0    | 3888.7  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 33121.3  | 0.0    | 33121.3 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 37010.0  | 0.0    | 37010.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 382.0   | 1.0       |
| 10°-20°   | 1116.5  | 3.0       |
| 20°-30°   | 1833.4  | 5.0       |
| 30°-40°   | 2600.2  | 7.0       |
| 40°-50°   | 4297.9  | 11.6      |
| 50°-60°   | 7720.7  | 20.9      |
| 60°-70°   | 10720.6 | 29.0      |
| 70°-80°   | 7776.4  | 21.0      |
| 80°-90°   | 562.2   | 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°    | 37010.0 | 100.0     |
| 0°-180°   | 37010.0 | 100.0     |

**Coefficient of Utilization**



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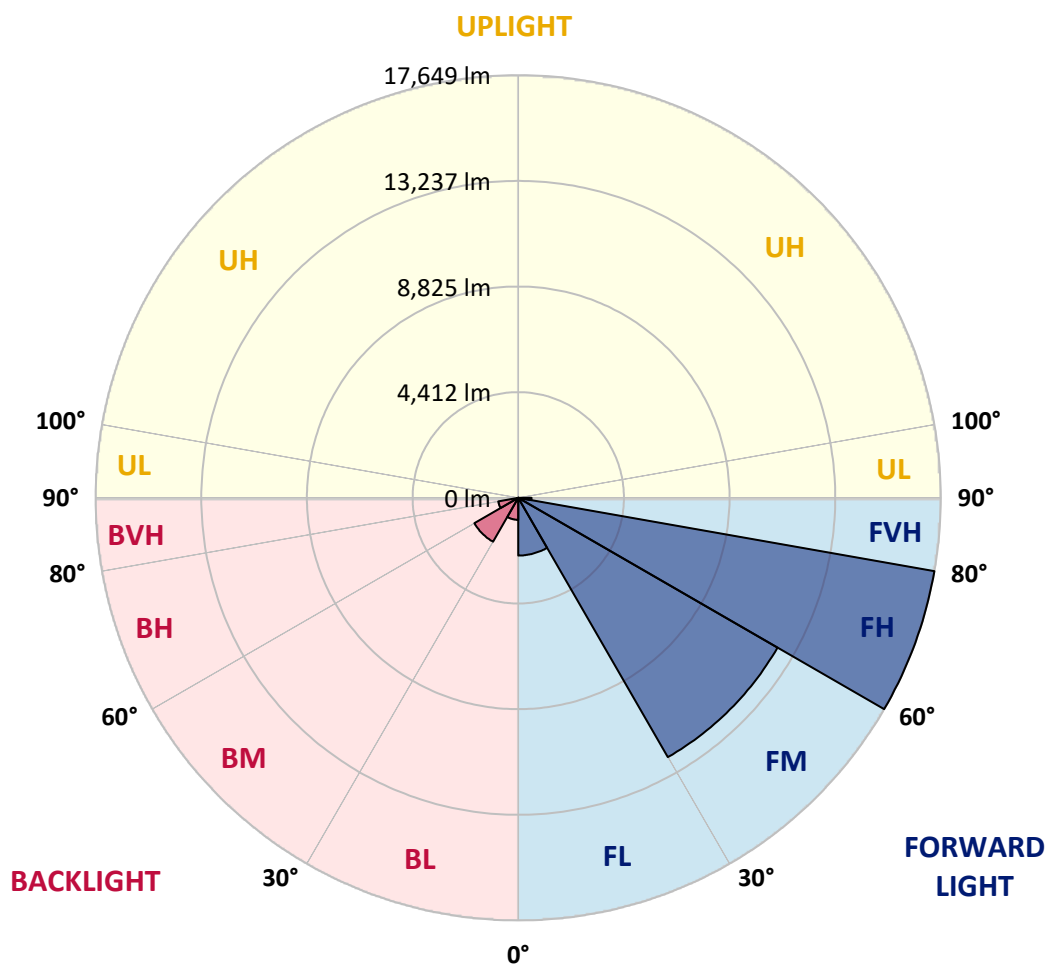
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2410.8  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 12503.9 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 17649.0 | 47.7      |                         |      | G5      |
| FVH  | (80°-90°)   | 557.5   | 1.5       |                         |      | G4/750  |
| BL   | (0°-30°)    | 921.1   | 2.5       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2114.9  | 5.7       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 848.0   | 2.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 4.7     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4054.5  | 4054.5  | 4054.5  | 4054.5  | 4054.5  | 4054.5  | 4054.5  | 4054.5  | 4054.5  | 4054.5  |
| 2.5°  | 4428.4  | 4436.0  | 4430.9  | 4400.6  | 4350.1  | 4322.3  | 4307.1  | 4256.6  | 4223.8  | 4165.7  |
| 5°    | 4835.1  | 4865.4  | 4847.7  | 4787.1  | 4691.1  | 4622.9  | 4602.7  | 4499.1  | 4405.7  | 4297.0  |
| 7.5°  | 5267.1  | 5282.2  | 5249.4  | 5171.1  | 5042.3  | 4926.1  | 4908.4  | 4764.4  | 4615.3  | 4448.6  |
| 10°   | 5641.0  | 5658.7  | 5608.1  | 5494.4  | 5347.9  | 5203.9  | 5178.7  | 5019.5  | 4842.7  | 4638.1  |
| 12.5° | 5954.2  | 5971.9  | 5906.2  | 5769.8  | 5608.1  | 5459.1  | 5433.8  | 5267.1  | 5072.6  | 4845.2  |
| 15°   | 6191.7  | 6224.5  | 6136.1  | 5989.6  | 5815.3  | 5666.2  | 5653.6  | 5489.4  | 5299.9  | 5047.3  |
| 17.5° | 6330.6  | 6363.5  | 6280.1  | 6103.3  | 5954.2  | 5827.9  | 5812.7  | 5676.3  | 5499.5  | 5257.0  |
| 20°   | 6353.4  | 6383.7  | 6295.2  | 6141.2  | 6017.4  | 5916.3  | 5908.7  | 5810.2  | 5681.4  | 5449.0  |
| 22.5° | 6285.1  | 6323.0  | 6242.2  | 6118.4  | 6032.5  | 5979.5  | 5969.4  | 5913.8  | 5840.5  | 5643.5  |
| 25°   | 6214.4  | 6244.7  | 6184.1  | 6075.5  | 6030.0  | 6024.9  | 6032.5  | 6022.4  | 6007.3  | 5840.5  |
| 27.5° | 6209.4  | 6242.2  | 6174.0  | 6070.4  | 6045.2  | 6098.2  | 6105.8  | 6153.8  | 6166.4  | 6019.9  |
| 30°   | 6252.3  | 6275.0  | 6209.4  | 6100.7  | 6088.1  | 6209.4  | 6211.9  | 6297.8  | 6318.0  | 6171.5  |
| 32.5° | 6345.8  | 6371.0  | 6305.4  | 6146.2  | 6128.5  | 6297.8  | 6305.4  | 6419.0  | 6451.9  | 6333.1  |
| 35°   | 6565.6  | 6595.9  | 6520.1  | 6272.5  | 6209.4  | 6381.1  | 6403.9  | 6537.8  | 6603.4  | 6504.9  |
| 37.5° | 7113.7  | 7025.3  | 6921.7  | 6527.7  | 6393.8  | 6512.5  | 6550.4  | 6707.0  | 6823.2  | 6709.5  |
| 40°   | 8475.3  | 8197.5  | 7874.1  | 6962.2  | 6717.1  | 6792.9  | 6823.2  | 6979.8  | 7139.0  | 7027.8  |
| 42.5° | 10519.0 | 10190.6 | 9670.2  | 7962.5  | 7204.7  | 7242.6  | 7265.3  | 7401.7  | 7626.5  | 7538.1  |
| 45°   | 12340.4 | 12221.7 | 11691.2 | 9670.2  | 8116.6  | 7929.7  | 7957.5  | 8028.2  | 8359.1  | 8326.3  |
| 47.5° | 13739.9 | 13671.7 | 13262.5 | 11630.5 | 9657.6  | 8770.9  | 8849.2  | 8882.1  | 9359.5  | 9475.7  |
| 50°   | 14816.1 | 14790.8 | 14424.5 | 13373.6 | 11671.0 | 10011.3 | 10039.1 | 9968.3  | 10683.2 | 10971.2 |
| 52.5° | 15831.6 | 15917.5 | 15647.2 | 14992.9 | 13820.7 | 11635.6 | 11630.5 | 11297.1 | 12262.1 | 12696.6 |
| 55°   | 16748.6 | 16778.9 | 16806.7 | 16645.0 | 15983.2 | 13484.8 | 13436.8 | 12891.1 | 14093.6 | 14543.2 |
| 57.5° | 17610.0 | 17622.7 | 17870.2 | 18201.2 | 18234.0 | 15470.3 | 15381.9 | 14727.6 | 16094.3 | 16415.1 |
| 60°   | 18188.5 | 18246.6 | 18769.5 | 19689.1 | 20090.7 | 17519.1 | 17471.1 | 16804.2 | 18130.4 | 18279.5 |
| 62.5° | 17354.9 | 17708.5 | 19027.2 | 20851.1 | 21843.9 | 19790.1 | 19767.4 | 19140.9 | 20272.6 | 20151.4 |
| 65°   | 14048.1 | 14646.8 | 16965.8 | 21636.8 | 23564.2 | 22326.4 | 22359.2 | 21692.3 | 22472.9 | 22078.8 |
| 67.5° | 9826.9  | 10458.4 | 13201.8 | 21699.9 | 25486.7 | 25304.8 | 25494.2 | 24448.4 | 24809.6 | 23925.5 |
| 70°   | 6795.4  | 7121.3  | 8907.3  | 20340.8 | 26984.7 | 29407.3 | 29402.2 | 27833.5 | 27133.7 | 24766.7 |
| 72.5° | 4569.9  | 4739.1  | 5785.0  | 16137.3 | 25883.3 | 31845.1 | 31698.5 | 30420.3 | 27916.9 | 23162.6 |
| 75°   | 1927.5  | 2051.3  | 2677.8  | 9069.0  | 20477.2 | 29134.5 | 28737.9 | 26883.6 | 24804.6 | 18239.0 |
| 77.5° | 611.3   | 664.4   | 1055.9  | 3246.1  | 11279.4 | 21899.5 | 21480.1 | 16789.0 | 16624.8 | 9149.8  |
| 80°   | 290.5   | 338.5   | 593.7   | 1303.5  | 4438.5  | 11911.0 | 11852.9 | 7616.4  | 7151.6  | 2470.6  |
| 82.5° | 126.3   | 149.0   | 328.4   | 697.2   | 1985.6  | 4249.0  | 4334.9  | 2591.9  | 2144.7  | 937.2   |
| 85°   | 40.4    | 53.0    | 151.6   | 320.8   | 838.7   | 1055.9  | 1043.3  | 616.4   | 864.0   | 510.3   |
| 87.5° | 0.0     | 0.0     | 50.5    | 73.3    | 85.9    | 60.6    | 68.2    | 53.0    | 240.0   | 141.5   |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4054.5  | 0°    | 4054.5  | 4054.5  | 4054.5 | 4054.5 | 4054.5 | 4054.5 | 4054.5 | 4054.5 | 4054.5 | 4054.5 |
| 4105.0  | 2.5°  | 4074.7  | 4034.3  | 3963.6 | 3897.9 | 3839.8 | 3781.7 | 3746.3 | 3695.8 | 3690.8 | 3690.8 |
| 4170.7  | 5°    | 4102.5  | 4036.8  | 3910.5 | 3776.6 | 3622.5 | 3476.0 | 3329.5 | 3188.0 | 3142.6 | 3109.7 |
| 4276.8  | 7.5°  | 4183.4  | 4079.8  | 3880.2 | 3625.1 | 3332.0 | 3011.2 | 2786.4 | 2543.9 | 2450.4 | 2399.9 |
| 4418.3  | 10°   | 4299.6  | 4158.1  | 3855.0 | 3407.8 | 2932.9 | 2495.9 | 2175.0 | 1912.3 | 1811.3 | 1768.3 |
| 4572.4  | 12.5° | 4428.4  | 4254.1  | 3809.5 | 3137.5 | 2495.9 | 1972.9 | 1659.7 | 1538.4 | 1523.3 | 1523.3 |
| 4756.8  | 15°   | 4582.5  | 4370.3  | 3731.2 | 2819.2 | 2038.6 | 1561.2 | 1450.0 | 1455.1 | 1470.2 | 1480.3 |
| 4936.2  | 17.5° | 4741.6  | 4494.1  | 3607.4 | 2463.0 | 1634.4 | 1404.6 | 1407.1 | 1414.7 | 1427.3 | 1437.4 |
| 5130.7  | 20°   | 4913.4  | 4617.9  | 3443.2 | 2084.1 | 1402.0 | 1359.1 | 1366.7 | 1374.2 | 1384.3 | 1389.4 |
| 5312.6  | 22.5° | 5097.8  | 4734.1  | 3248.7 | 1712.8 | 1323.7 | 1321.2 | 1323.7 | 1331.3 | 1343.9 | 1343.9 |
| 5524.8  | 25°   | 5294.9  | 4862.9  | 3026.4 | 1442.5 | 1283.3 | 1283.3 | 1288.4 | 1293.4 | 1303.5 | 1303.5 |
| 5729.4  | 27.5° | 5497.0  | 4981.6  | 2791.4 | 1301.0 | 1247.9 | 1245.4 | 1245.4 | 1253.0 | 1258.0 | 1260.6 |
| 5931.5  | 30°   | 5719.3  | 5120.6  | 2556.5 | 1270.7 | 1220.1 | 1207.5 | 1199.9 | 1205.0 | 1210.0 | 1212.6 |
| 6143.7  | 32.5° | 5946.6  | 5254.5  | 2346.8 | 1283.3 | 1192.4 | 1169.6 | 1144.4 | 1139.3 | 1139.3 | 1149.4 |
| 6363.5  | 35°   | 6199.3  | 5401.0  | 2185.1 | 1326.2 | 1177.2 | 1114.0 | 1073.6 | 1050.9 | 1053.4 | 1068.6 |
| 6626.2  | 37.5° | 6502.4  | 5577.8  | 2066.4 | 1364.1 | 1167.1 | 1050.9 | 985.2  | 957.4  | 939.7  | 957.4  |
| 6987.4  | 40°   | 6899.0  | 5838.0  | 1980.5 | 1394.5 | 1154.5 | 977.6  | 889.2  | 843.7  | 810.9  | 821.0  |
| 7548.2  | 42.5° | 7482.6  | 6247.3  | 1947.7 | 1397.0 | 1126.7 | 891.7  | 790.7  | 730.1  | 682.1  | 684.6  |
| 8392.0  | 45°   | 8301.0  | 6894.0  | 2116.9 | 1364.1 | 1066.0 | 798.3  | 687.1  | 606.3  | 576.0  | 568.4  |
| 9652.5  | 47.5° | 9422.7  | 7836.2  | 2508.5 | 1295.9 | 977.6  | 707.3  | 586.1  | 517.9  | 495.1  | 482.5  |
| 11307.2 | 50°   | 10925.7 | 9046.3  | 2943.0 | 1220.1 | 889.2  | 621.4  | 502.7  | 459.8  | 444.6  | 432.0  |
| 13270.0 | 52.5° | 12668.8 | 10274.0 | 3299.2 | 1144.4 | 800.8  | 545.7  | 449.7  | 424.4  | 411.8  | 401.7  |
| 15164.7 | 55°   | 14267.9 | 11120.3 | 3279.0 | 1063.5 | 714.9  | 485.0  | 411.8  | 396.6  | 381.5  | 371.3  |
| 16796.6 | 57.5° | 15263.2 | 11239.0 | 2703.0 | 975.1  | 616.4  | 437.0  | 376.4  | 366.3  | 348.6  | 336.0  |
| 18208.7 | 60°   | 15720.4 | 10562.0 | 1894.6 | 858.9  | 517.9  | 391.6  | 338.5  | 333.5  | 310.7  | 293.0  |
| 19545.1 | 62.5° | 15803.8 | 9303.9  | 1263.1 | 714.9  | 432.0  | 348.6  | 300.6  | 293.0  | 262.7  | 232.4  |
| 20631.3 | 65°   | 15465.3 | 7505.3  | 874.1  | 558.3  | 368.8  | 303.1  | 257.7  | 242.5  | 209.7  | 179.4  |
| 20889.0 | 67.5° | 14394.2 | 5269.6  | 608.8  | 401.7  | 313.2  | 240.0  | 204.6  | 199.6  | 174.3  | 149.0  |
| 19575.4 | 70°   | 12431.3 | 3003.6  | 406.7  | 300.6  | 247.6  | 164.2  | 161.7  | 166.7  | 141.5  | 121.3  |
| 15993.3 | 72.5° | 9531.3  | 1374.2  | 252.6  | 219.8  | 169.3  | 111.2  | 128.8  | 131.4  | 108.6  | 90.9   |
| 9978.4  | 75°   | 5610.7  | 588.6   | 159.1  | 141.5  | 85.9   | 73.3   | 93.5   | 96.0   | 73.3   | 58.1   |
| 3647.8  | 77.5° | 1909.8  | 222.3   | 101.0  | 83.4   | 42.9   | 40.4   | 60.6   | 60.6   | 40.4   | 22.7   |
| 732.6   | 80°   | 434.5   | 83.4    | 50.5   | 32.8   | 20.2   | 17.7   | 20.2   | 17.7   | 10.1   | 2.5    |
| 224.8   | 82.5° | 123.8   | 32.8    | 20.2   | 12.6   | 7.6    | 7.6    | 2.5    | 0.0    | 0.0    | 0.0    |
| 78.3    | 85°   | 35.4    | 15.2    | 5.1    | 5.1    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 27.8    | 87.5° | 15.2    | 2.5     | 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°   |
|--------|
| 4054.5 |
| 3703.4 |
| 3124.9 |
| 2407.5 |
| 1768.3 |
| 1523.3 |
| 1480.3 |
| 1437.4 |
| 1391.9 |
| 1349.0 |
| 1306.0 |
| 1263.1 |
| 1217.6 |
| 1157.0 |
| 1076.2 |
| 952.4  |
| 816.0  |
| 674.5  |
| 558.3  |
| 474.9  |
| 429.5  |
| 399.1  |
| 366.3  |
| 333.5  |
| 288.0  |
| 217.3  |
| 169.3  |
| 141.5  |
| 111.2  |
| 80.8   |
| 50.5   |
| 17.7   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |