

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: P942001

Luminaire Tested: **GLAN-SB5D-760-U-SL4-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942001  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5D-760-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37962 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

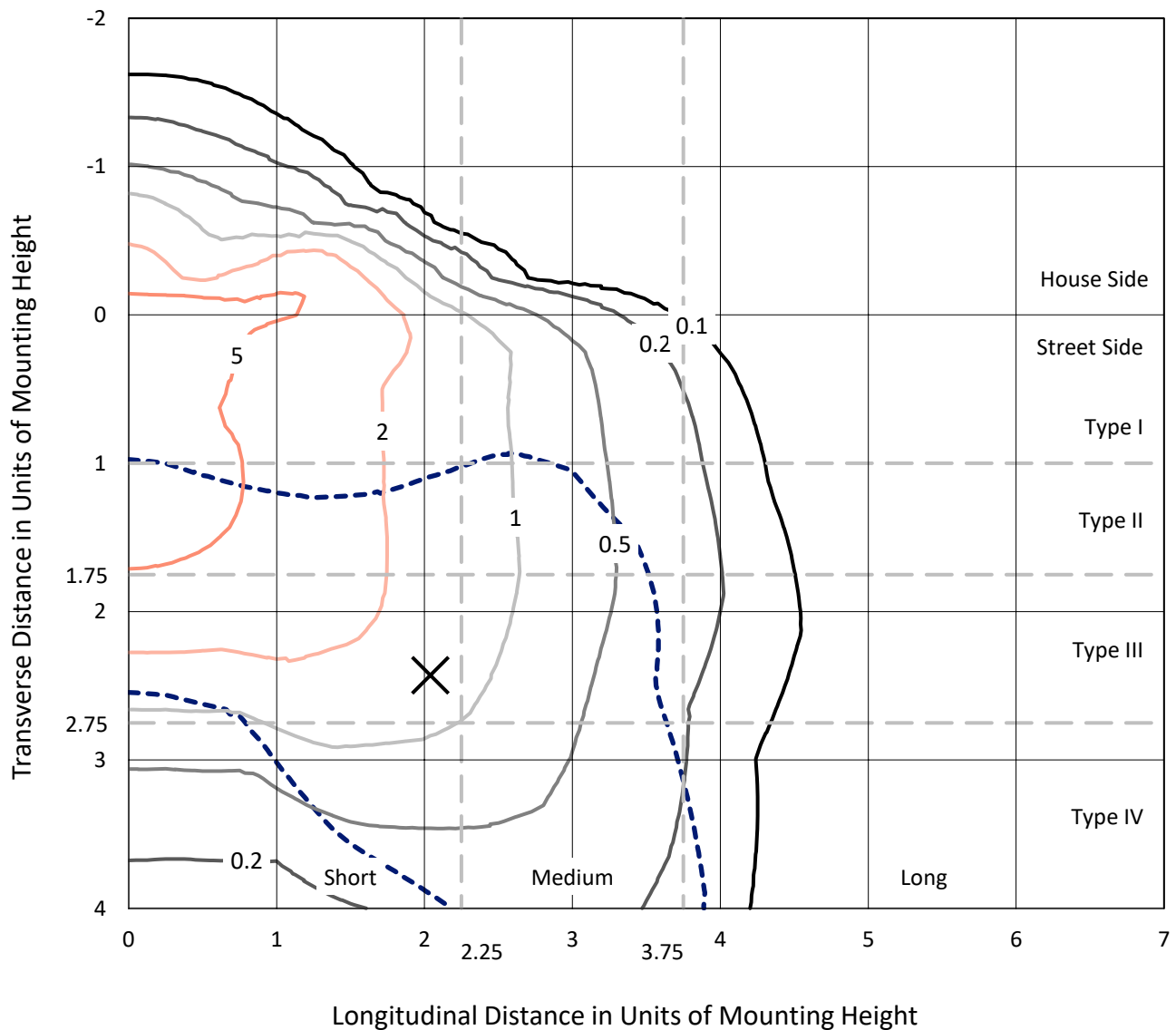
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

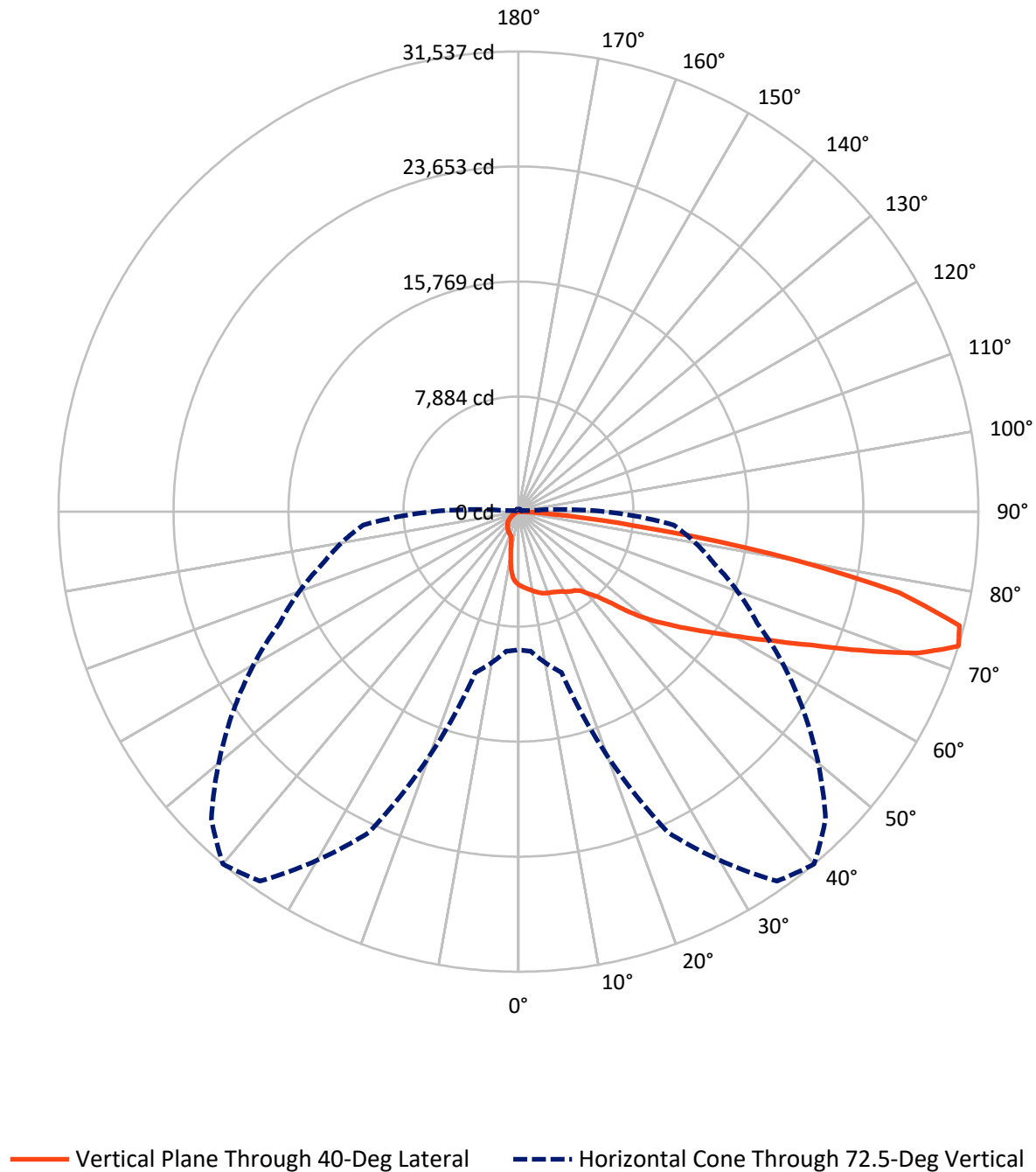
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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    | 4902.4   | 0.0    | 4902.4  |
|                    | % Fixture | 12.9     | 0.0    | 12.9    |
| <b>Street Side</b> | Lumens    | 33059.6  | 0.0    | 33059.6 |
|                    | % Fixture | 87.1     | 0.0    | 87.1    |
| <b>Total</b>       | Lumens    | 37962.0  | 0.0    | 37962.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 459.1   | 1.2       |
| 10°-20°   | 1246.6  | 3.3       |
| 20°-30°   | 2017.2  | 5.3       |
| 30°-40°   | 2978.0  | 7.8       |
| 40°-50°   | 5012.1  | 13.2      |
| 50°-60°   | 7782.4  | 20.5      |
| 60°-70°   | 9738.0  | 25.7      |
| 70°-80°   | 7972.5  | 21.0      |
| 80°-90°   | 756.0   | 2.0       |
| 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°    | 37962.0 | 100.0     |
| 0°-180°   | 37962.0 | 100.0     |

**Coefficient of Utilization**



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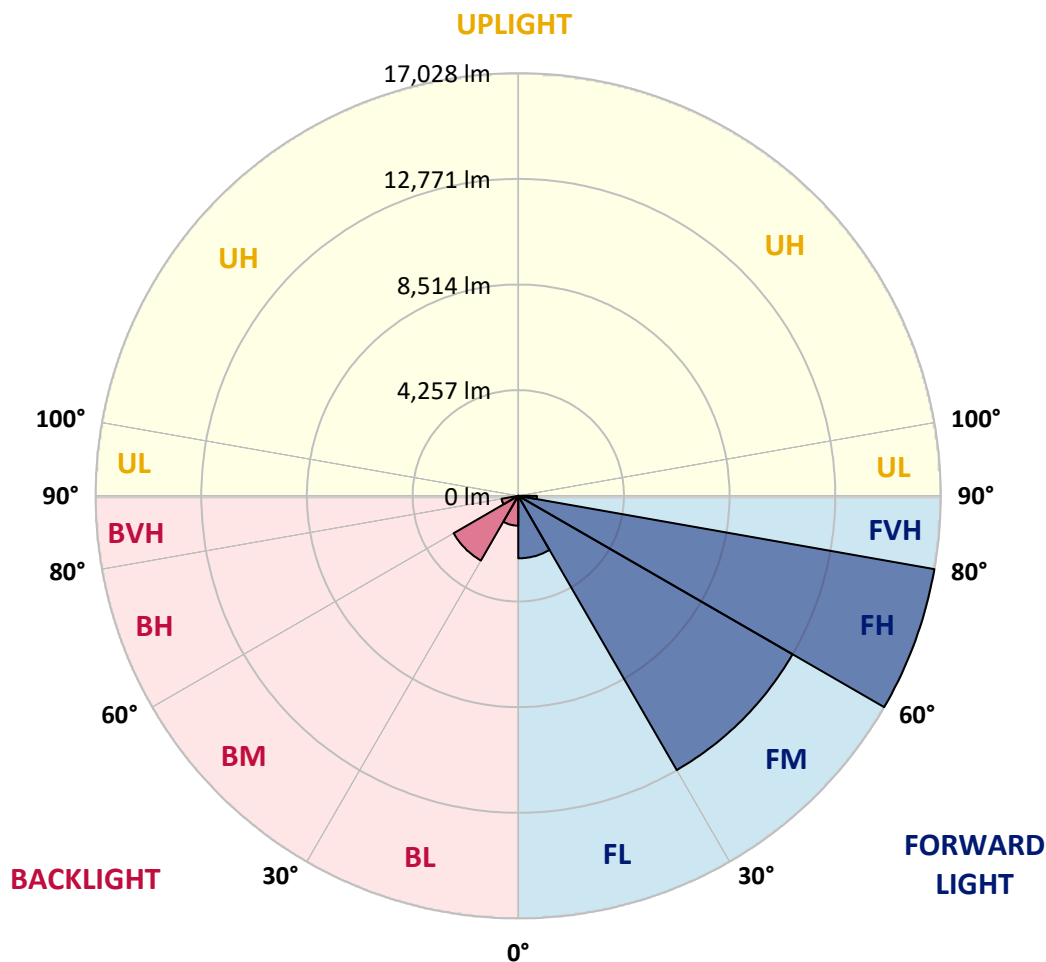
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2519.6  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 12762.2 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 17027.6 | 44.9      |                         |      | G5      |
| FVH  | (80°-90°)   | 750.2   | 2.0       |                         |      | G5      |
| BL   | (0°-30°)    | 1203.3  | 3.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3010.4  | 7.9       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 682.9   | 1.8       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 5.8     | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 40°     | 45°     | 55°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5026.5  | 5026.5  | 5026.5  | 5026.5  | 5026.5  | 5026.5  | 5026.5  | 5026.5  | 5026.5  | 5026.5  |
| 2.5°  | 5178.0  | 5198.0  | 5186.6  | 5163.7  | 5158.0  | 5146.6  | 5132.3  | 5126.5  | 5106.5  | 5089.4  |
| 5°    | 5323.8  | 5343.8  | 5329.6  | 5298.1  | 5283.8  | 5269.5  | 5249.5  | 5232.3  | 5192.3  | 5155.1  |
| 7.5°  | 5483.9  | 5501.1  | 5483.9  | 5438.2  | 5415.3  | 5398.2  | 5369.6  | 5343.8  | 5298.1  | 5243.8  |
| 10°   | 5661.2  | 5675.5  | 5649.8  | 5589.7  | 5552.6  | 5526.8  | 5501.1  | 5472.5  | 5429.6  | 5369.6  |
| 12.5° | 5827.1  | 5844.2  | 5804.2  | 5732.7  | 5689.8  | 5664.1  | 5635.5  | 5612.6  | 5569.7  | 5512.5  |
| 15°   | 5978.6  | 6004.3  | 5935.7  | 5858.5  | 5809.9  | 5789.9  | 5761.3  | 5747.0  | 5718.4  | 5678.4  |
| 17.5° | 6093.0  | 6110.1  | 6038.6  | 5947.1  | 5892.8  | 5878.5  | 5858.5  | 5867.1  | 5861.4  | 5841.3  |
| 20°   | 6190.2  | 6201.6  | 6107.3  | 5995.7  | 5935.7  | 5938.6  | 5932.8  | 5961.4  | 5972.9  | 5972.9  |
| 22.5° | 6310.3  | 6313.1  | 6193.0  | 6052.9  | 5981.4  | 6001.5  | 6010.0  | 6041.5  | 6064.4  | 6087.2  |
| 25°   | 6467.5  | 6461.8  | 6318.8  | 6127.3  | 6064.4  | 6093.0  | 6113.0  | 6124.4  | 6150.1  | 6187.3  |
| 27.5° | 6702.0  | 6684.8  | 6501.8  | 6247.4  | 6173.0  | 6198.7  | 6235.9  | 6230.2  | 6218.8  | 6247.4  |
| 30°   | 6999.3  | 6976.5  | 6733.4  | 6416.0  | 6347.4  | 6370.3  | 6381.7  | 6330.3  | 6247.4  | 6273.1  |
| 32.5° | 7471.1  | 7431.1  | 7093.7  | 6604.8  | 6499.0  | 6524.7  | 6510.4  | 6404.6  | 6281.7  | 6307.4  |
| 35°   | 8291.7  | 8194.5  | 7717.0  | 6999.3  | 6670.5  | 6641.9  | 6607.6  | 6504.7  | 6353.1  | 6327.4  |
| 37.5° | 10035.8 | 9864.2  | 9049.4  | 7768.5  | 7059.4  | 6873.5  | 6767.7  | 6664.8  | 6430.3  | 6327.4  |
| 40°   | 12002.9 | 11828.5 | 10887.8 | 9055.1  | 7705.5  | 7391.0  | 7139.4  | 6853.5  | 6510.4  | 6364.6  |
| 42.5° | 14055.8 | 13864.3 | 12897.9 | 10650.5 | 8629.1  | 7982.9  | 7514.0  | 7005.0  | 6641.9  | 6479.0  |
| 45°   | 16348.9 | 16108.7 | 14845.0 | 12314.6 | 9970.0  | 8966.5  | 8117.3  | 7316.7  | 6870.7  | 6682.0  |
| 47.5° | 18767.8 | 18456.1 | 16786.4 | 13930.0 | 11413.9 | 10327.4 | 9220.9  | 7874.2  | 7208.0  | 6985.0  |
| 50°   | 20912.2 | 20603.4 | 18790.7 | 15619.8 | 12763.5 | 11622.7 | 10479.0 | 8646.2  | 7714.1  | 7413.9  |
| 52.5° | 22453.3 | 22218.9 | 20614.8 | 17363.9 | 14167.3 | 12837.8 | 11619.8 | 9544.0  | 8354.6  | 7962.9  |
| 55°   | 23485.5 | 23271.0 | 21907.2 | 19016.6 | 15799.9 | 14175.9 | 12743.5 | 10519.0 | 9126.6  | 8620.5  |
| 57.5° | 24111.6 | 23988.7 | 22842.2 | 20491.9 | 17418.3 | 15639.8 | 14030.1 | 11591.2 | 10035.8 | 9395.3  |
| 60°   | 24334.7 | 24234.6 | 23422.6 | 21898.6 | 19374.0 | 17398.2 | 15542.6 | 12800.6 | 11139.4 | 10276.0 |
| 62.5° | 23740.0 | 23760.0 | 23840.0 | 23565.5 | 21435.4 | 19456.9 | 17355.4 | 14253.1 | 12363.2 | 11273.8 |
| 65°   | 20940.8 | 21106.6 | 22627.7 | 25412.6 | 24166.0 | 22035.9 | 19662.7 | 16025.8 | 13764.2 | 12408.9 |
| 67.5° | 17338.2 | 17578.4 | 19471.2 | 26493.4 | 27076.6 | 25384.0 | 22876.5 | 18284.6 | 15434.0 | 13564.1 |
| 70°   | 13272.4 | 13529.7 | 15822.8 | 26267.5 | 29801.5 | 29043.8 | 26850.8 | 21158.1 | 17163.8 | 14364.6 |
| 72.5° | 9472.5  | 9604.1  | 11411.1 | 24257.5 | 30919.4 | 31537.0 | 29778.6 | 23880.1 | 18047.3 | 13921.5 |
| 75°   | 6656.2  | 6633.3  | 7831.4  | 19534.1 | 29178.2 | 31233.9 | 28752.1 | 22407.6 | 16331.8 | 11059.4 |
| 77.5° | 2899.2  | 2904.9  | 3911.4  | 11862.8 | 23288.2 | 26676.4 | 23900.1 | 14035.8 | 11385.3 | 5861.4  |
| 80°   | 752.0   | 774.8   | 1435.3  | 4723.4  | 14021.5 | 17607.0 | 14576.2 | 6170.2  | 5260.9  | 1429.6  |
| 82.5° | 265.9   | 283.1   | 660.5   | 1483.9  | 5172.3  | 8074.4  | 6490.4  | 1972.8  | 1372.4  | 408.9   |
| 85°   | 77.2    | 91.5    | 354.5   | 454.6   | 1069.3  | 2281.6  | 1575.4  | 383.1   | 337.4   | 211.6   |
| 87.5° | 0.0     | 11.4    | 71.5    | 62.9    | 62.9    | 42.9    | 80.1    | 42.9    | 54.3    | 25.7    |
| 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°   |
|---------|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5026.5  | 0°    | 5026.5  | 5026.5  | 5026.5 | 5026.5 | 5026.5 | 5026.5 | 5026.5 | 5026.5 | 5026.5 | 5026.5 |
| 5069.4  | 2.5°  | 5052.2  | 5032.2  | 4989.3 | 4943.6 | 4900.7 | 4860.6 | 4849.2 | 4806.3 | 4786.3 | 4789.2 |
| 5109.4  | 5°    | 5077.9  | 5040.8  | 4957.9 | 4857.8 | 4754.9 | 4637.6 | 4540.4 | 4403.2 | 4285.9 | 4271.6 |
| 5186.6  | 7.5°  | 5146.6  | 5086.5  | 4952.1 | 4757.7 | 4500.4 | 4177.3 | 3877.1 | 3579.7 | 3411.0 | 3319.5 |
| 5301.0  | 10°   | 5252.4  | 5172.3  | 4966.4 | 4594.7 | 4048.6 | 3471.1 | 3016.5 | 2641.9 | 2450.3 | 2361.7 |
| 5441.1  | 12.5° | 5378.2  | 5289.5  | 4989.3 | 4317.4 | 3465.4 | 2707.7 | 2215.9 | 1987.1 | 1947.1 | 1941.4 |
| 5612.6  | 15°   | 5555.4  | 5458.2  | 5015.0 | 3942.8 | 2833.5 | 2061.5 | 1835.6 | 1838.5 | 1869.9 | 1887.1 |
| 5798.5  | 17.5° | 5752.7  | 5655.5  | 4977.9 | 3485.4 | 2210.2 | 1761.3 | 1755.5 | 1781.3 | 1827.0 | 1844.2 |
| 5970.0  | 20°   | 5952.9  | 5861.4  | 4846.3 | 2947.8 | 1787.0 | 1678.4 | 1701.2 | 1729.8 | 1775.6 | 1798.4 |
| 6138.7  | 22.5° | 6158.7  | 6078.7  | 4637.6 | 2376.0 | 1612.6 | 1618.3 | 1646.9 | 1675.5 | 1727.0 | 1752.7 |
| 6304.5  | 25°   | 6378.9  | 6310.3  | 4360.3 | 1904.2 | 1538.3 | 1555.4 | 1592.6 | 1626.9 | 1681.2 | 1712.7 |
| 6444.6  | 27.5° | 6601.9  | 6550.4  | 4045.8 | 1589.7 | 1469.6 | 1489.6 | 1532.5 | 1578.3 | 1632.6 | 1669.8 |
| 6567.6  | 30°   | 6844.9  | 6816.3  | 3794.2 | 1472.5 | 1403.9 | 1421.0 | 1469.6 | 1521.1 | 1581.1 | 1626.9 |
| 6690.5  | 32.5° | 7093.7  | 7088.0  | 3671.2 | 1558.3 | 1343.8 | 1355.3 | 1398.1 | 1449.6 | 1524.0 | 1581.1 |
| 6793.5  | 35°   | 7339.6  | 7351.0  | 3599.7 | 1801.3 | 1323.8 | 1292.4 | 1321.0 | 1366.7 | 1455.3 | 1526.8 |
| 6910.7  | 37.5° | 7654.1  | 7682.7  | 3596.9 | 2064.3 | 1372.4 | 1229.5 | 1249.5 | 1280.9 | 1358.1 | 1441.0 |
| 7093.7  | 40°   | 8123.0  | 8274.5  | 3779.9 | 2290.2 | 1458.2 | 1172.3 | 1178.0 | 1183.7 | 1223.7 | 1292.4 |
| 7336.7  | 42.5° | 8746.3  | 9189.5  | 4440.3 | 2444.6 | 1492.5 | 1120.8 | 1100.8 | 1069.3 | 1063.6 | 1100.8 |
| 7668.4  | 45°   | 9521.1  | 10296.0 | 5601.2 | 2530.4 | 1458.2 | 1063.6 | 1009.3 | 926.4  | 894.9  | 920.7  |
| 8117.3  | 47.5° | 10433.2 | 11508.3 | 6976.5 | 2550.4 | 1401.0 | 992.1  | 894.9  | 786.3  | 760.5  | 769.1  |
| 8720.6  | 50°   | 11322.4 | 12417.5 | 8185.9 | 2384.6 | 1306.7 | 900.6  | 769.1  | 677.6  | 660.5  | 663.3  |
| 9432.5  | 52.5° | 12108.7 | 12729.2 | 8529.0 | 1992.9 | 1180.9 | 789.1  | 660.5  | 597.6  | 586.1  | 586.1  |
| 10218.8 | 55°   | 12629.1 | 12391.8 | 7605.5 | 1524.0 | 1023.6 | 674.8  | 566.1  | 534.7  | 529.0  | 526.1  |
| 11096.6 | 57.5° | 12737.7 | 11293.8 | 5744.1 | 1100.8 | 800.6  | 569.0  | 503.2  | 486.1  | 474.6  | 463.2  |
| 11997.2 | 60°   | 12348.9 | 9464.0  | 3656.9 | 769.1  | 600.4  | 486.1  | 446.0  | 434.6  | 411.7  | 388.9  |
| 12843.5 | 62.5° | 11508.3 | 7148.0  | 2024.3 | 534.7  | 483.2  | 414.6  | 394.6  | 380.3  | 337.4  | 300.2  |
| 13515.4 | 65°   | 10378.9 | 4752.0  | 894.9  | 417.4  | 394.6  | 348.8  | 337.4  | 317.4  | 265.9  | 223.0  |
| 13769.9 | 67.5° | 9243.8  | 2736.3  | 403.1  | 334.5  | 317.4  | 285.9  | 277.3  | 263.0  | 225.9  | 185.8  |
| 13120.9 | 70°   | 7948.6  | 1386.7  | 277.3  | 265.9  | 245.9  | 217.3  | 225.9  | 223.0  | 185.8  | 151.5  |
| 10702.0 | 72.5° | 5918.5  | 689.1   | 208.7  | 200.1  | 177.3  | 154.4  | 185.8  | 183.0  | 145.8  | 114.4  |
| 6599.0  | 75°   | 3351.0  | 340.2   | 151.5  | 140.1  | 105.8  | 114.4  | 148.7  | 140.1  | 100.1  | 74.3   |
| 2784.9  | 77.5° | 1329.5  | 174.4   | 100.1  | 85.8   | 62.9   | 77.2   | 108.6  | 94.4   | 51.5   | 31.5   |
| 531.8   | 80°   | 305.9   | 85.8    | 51.5   | 37.2   | 28.6   | 45.7   | 57.2   | 34.3   | 14.3   | 2.9    |
| 143.0   | 82.5° | 85.8    | 37.2    | 17.2   | 14.3   | 14.3   | 17.2   | 14.3   | 5.7    | 0.0    | 0.0    |
| 37.2    | 85°   | 28.6    | 17.2    | 5.7    | 2.9    | 2.9    | 2.9    | 2.9    | 0.0    | 0.0    | 0.0    |
| 11.4    | 87.5° | 11.4    | 5.7     | 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°   |
|--------|
| 5026.5 |
| 4786.3 |
| 4263.1 |
| 3313.8 |
| 2344.5 |
| 1938.5 |
| 1884.2 |
| 1841.3 |
| 1798.4 |
| 1752.7 |
| 1712.7 |
| 1672.6 |
| 1632.6 |
| 1586.9 |
| 1538.3 |
| 1455.3 |
| 1315.2 |
| 1120.8 |
| 920.7  |
| 766.3  |
| 663.3  |
| 583.3  |
| 520.4  |
| 457.5  |
| 380.3  |
| 288.8  |
| 214.4  |
| 180.1  |
| 145.8  |
| 108.6  |
| 68.6   |
| 28.6   |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |