

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: P953112

Luminaire Tested: **GLAN-SB6D-735-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953112  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-735-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 60309 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

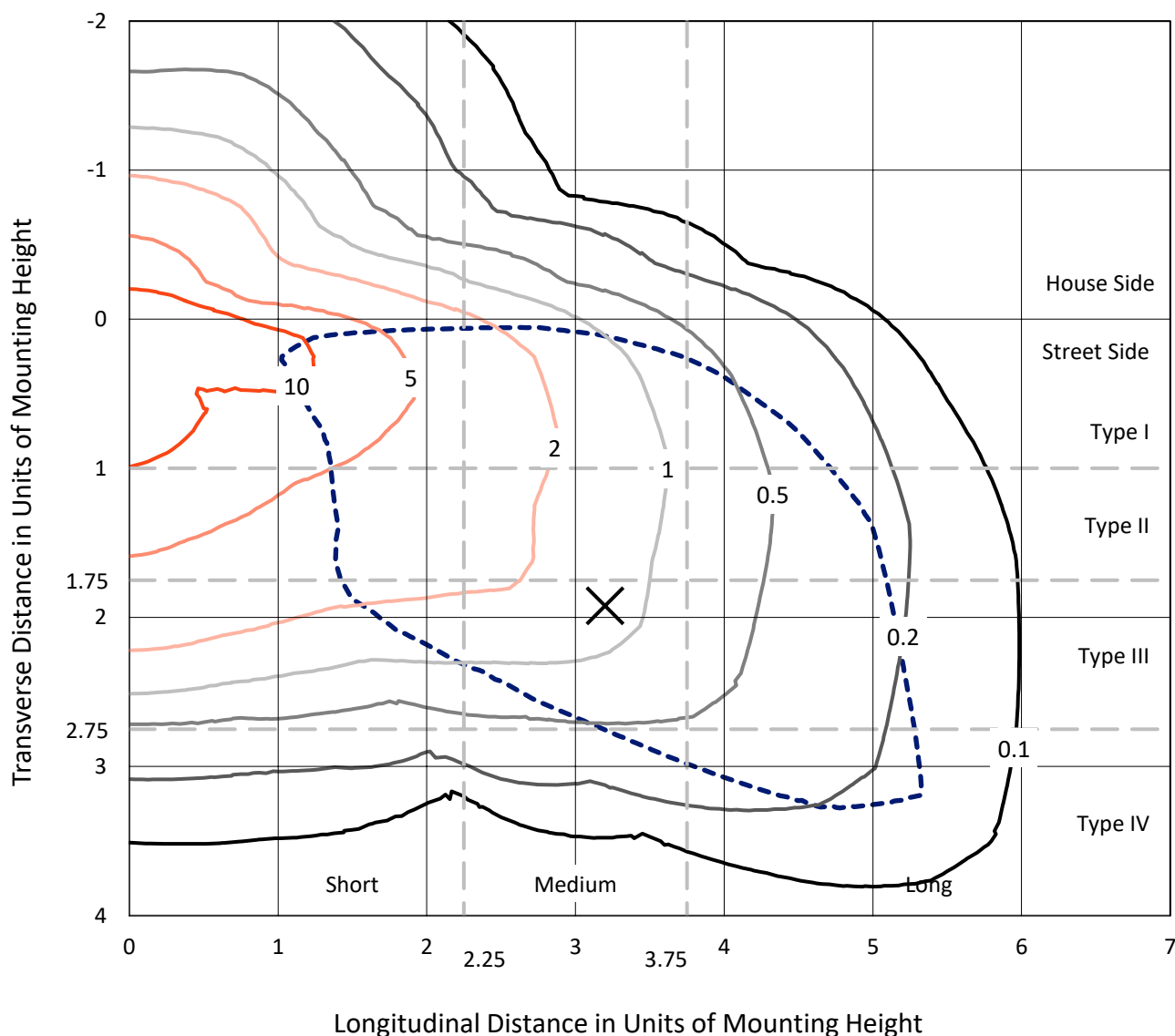
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

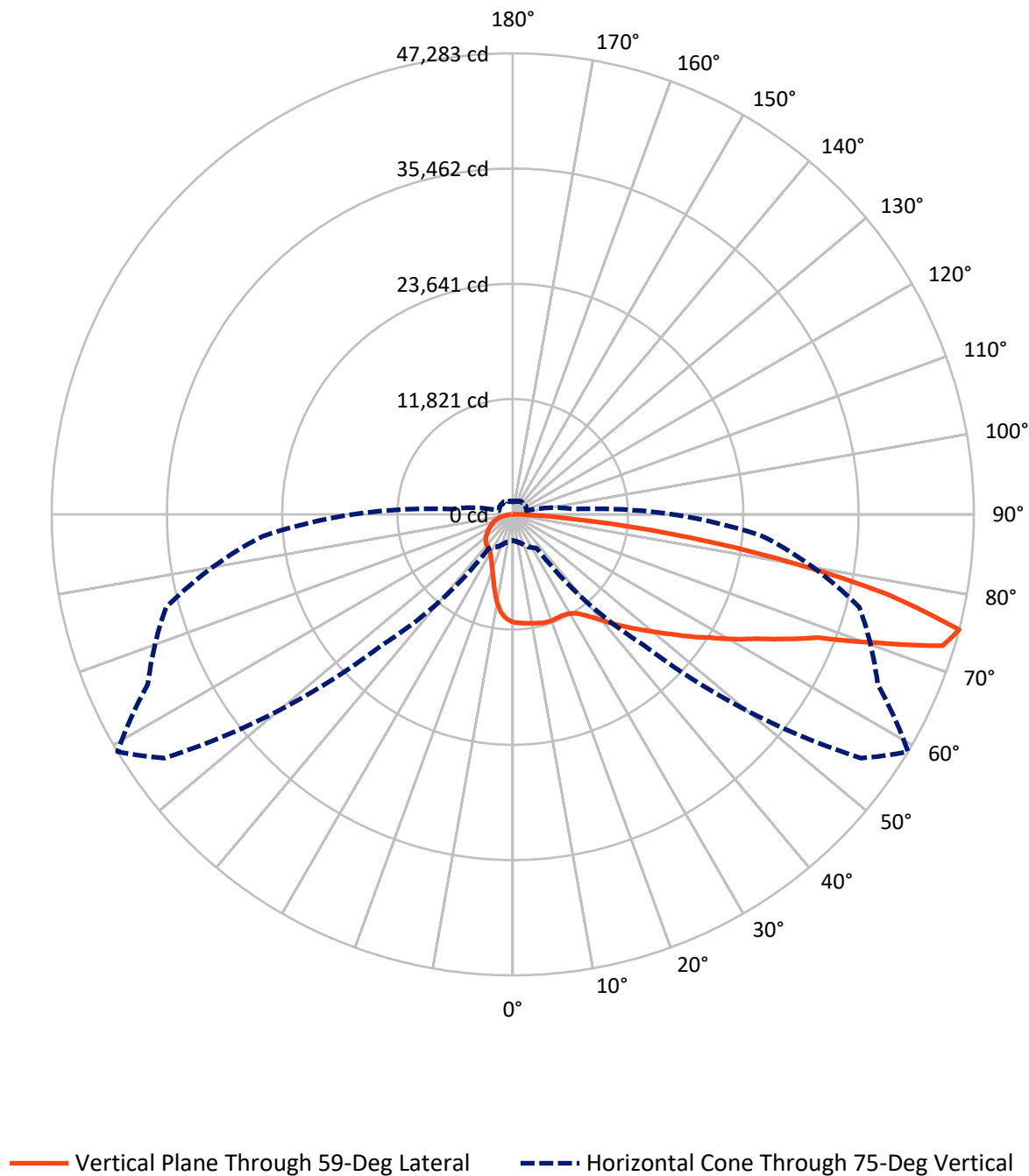
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.7 fc  
 Type IV - 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    | 11311.4  | 0.0    | 11311.4 |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 48997.6  | 0.0    | 48997.6 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 60309.0  | 0.0    | 60309.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 992.6   | 1.6       |
| 10°-20°   | 2537.1  | 4.2       |
| 20°-30°   | 3853.6  | 6.4       |
| 30°-40°   | 5728.3  | 9.5       |
| 40°-50°   | 8518.9  | 14.1      |
| 50°-60°   | 11563.4 | 19.2      |
| 60°-70°   | 14117.1 | 23.4      |
| 70°-80°   | 11078.9 | 18.4      |
| 80°-90°   | 1919.1  | 3.2       |
| 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°    | 60309.0 | 100.0     |
| 0°-180°   | 60309.0 | 100.0     |

**Coefficient of Utilization**



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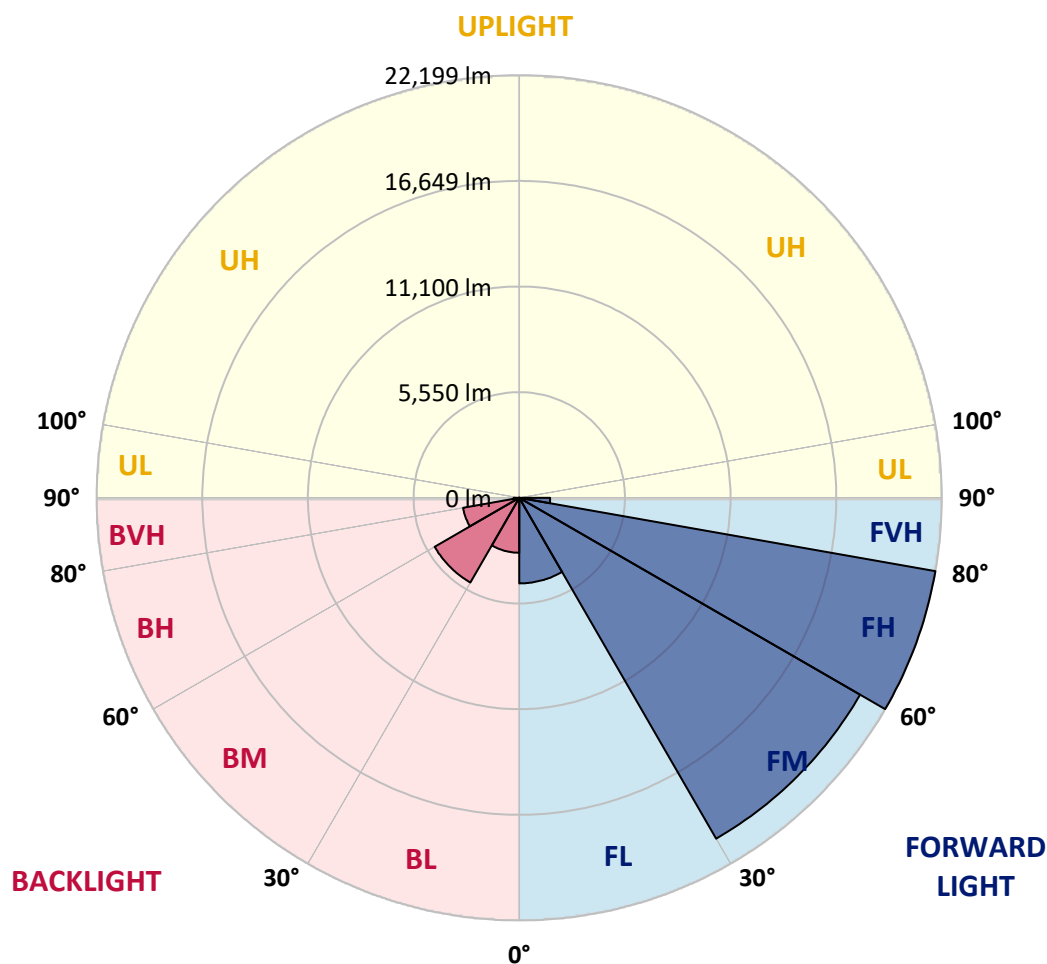
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4496.7  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 20676.4 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 22199.1 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 1625.4  | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 2886.5  | 4.8       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5134.2  | 8.5       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 2996.8  | 5.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 293.8   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 |
| 2.5°  | 11163.7 | 11124.7 | 11163.7 | 11147.4 | 11141.0 | 11128.0 | 11131.2 | 11153.9 | 11141.0 | 11157.2 |
| 5°    | 11089.0 | 11066.3 | 11105.3 | 11095.5 | 11137.7 | 11144.2 | 11186.4 | 11212.3 | 11228.6 | 11231.8 |
| 7.5°  | 10965.8 | 10943.1 | 10998.2 | 11043.6 | 11134.5 | 11160.4 | 11248.0 | 11290.2 | 11312.9 | 11351.8 |
| 10°   | 10514.8 | 10505.1 | 10641.3 | 10813.3 | 11027.4 | 11160.4 | 11293.4 | 11364.8 | 11400.5 | 11504.3 |
| 12.5° | 9716.7  | 9729.7  | 9908.1  | 10239.0 | 10667.3 | 11095.5 | 11345.3 | 11449.2 | 11504.3 | 11634.1 |
| 15°   | 8954.3  | 8951.0  | 9145.7  | 9499.3  | 10099.5 | 10810.0 | 11371.3 | 11549.7 | 11643.8 | 11835.2 |
| 17.5° | 8513.1  | 8500.1  | 8636.4  | 8905.6  | 9463.6  | 10372.1 | 11306.4 | 11604.9 | 11806.0 | 12046.1 |
| 20°   | 8432.0  | 8406.0  | 8477.4  | 8610.4  | 9006.2  | 9891.9  | 11137.7 | 11604.9 | 11935.8 | 12247.3 |
| 22.5° | 8727.2  | 8685.0  | 8655.8  | 8639.6  | 8814.8  | 9496.1  | 10946.3 | 11566.0 | 12127.2 | 12536.0 |
| 25°   | 9320.9  | 9256.0  | 9106.8  | 8960.8  | 8908.9  | 9317.7  | 10777.6 | 11556.2 | 12412.7 | 12925.3 |
| 27.5° | 10281.2 | 10200.1 | 9898.4  | 9548.0  | 9233.3  | 9408.5  | 10703.0 | 11614.6 | 12727.4 | 13337.4 |
| 30°   | 11471.9 | 11384.3 | 11004.7 | 10466.1 | 9901.6  | 9745.9  | 10797.1 | 11786.6 | 13129.7 | 13885.6 |
| 32.5° | 12539.3 | 12441.9 | 12117.5 | 11569.2 | 10806.8 | 10329.9 | 11095.5 | 12114.3 | 13762.4 | 14648.1 |
| 35°   | 13486.6 | 13373.0 | 13081.1 | 12574.9 | 11916.3 | 11150.7 | 11634.1 | 12695.0 | 14661.0 | 15887.4 |
| 37.5° | 14414.5 | 14281.4 | 13963.5 | 13428.2 | 12967.5 | 12244.0 | 12377.0 | 13441.2 | 15854.9 | 17392.7 |
| 40°   | 15452.6 | 15261.2 | 14875.2 | 14346.3 | 13898.6 | 13525.5 | 13353.6 | 14356.1 | 17068.3 | 19073.3 |
| 42.5° | 16458.4 | 16276.7 | 15816.0 | 15365.0 | 14803.8 | 14696.7 | 14485.8 | 15426.7 | 18395.2 | 20919.3 |
| 45°   | 17542.0 | 17324.6 | 16766.6 | 16195.6 | 15842.0 | 15475.4 | 15582.4 | 16497.3 | 19696.2 | 22801.0 |
| 47.5° | 18557.4 | 18314.1 | 17655.5 | 17019.6 | 16825.0 | 16130.7 | 16588.2 | 17675.0 | 21049.1 | 24708.7 |
| 50°   | 19105.7 | 18865.7 | 18317.4 | 17743.1 | 17590.6 | 16938.5 | 17678.2 | 18969.5 | 22466.8 | 26609.8 |
| 52.5° | 19563.2 | 19303.6 | 18586.6 | 18268.7 | 18223.3 | 17817.7 | 19021.4 | 20448.9 | 23884.6 | 28290.4 |
| 55°   | 20049.8 | 19761.1 | 18846.2 | 18560.7 | 18768.3 | 18804.0 | 20614.3 | 22126.2 | 25383.5 | 29928.8 |
| 57.5° | 20611.1 | 20244.5 | 19096.0 | 18807.3 | 19300.4 | 19959.0 | 22444.1 | 23865.1 | 26856.4 | 31447.1 |
| 60°   | 21139.9 | 20770.1 | 19576.2 | 19199.8 | 19874.6 | 21298.9 | 24543.2 | 25970.7 | 28524.0 | 32800.0 |
| 62.5° | 21243.7 | 20938.8 | 19959.0 | 19955.7 | 20653.3 | 22862.6 | 27028.3 | 28095.7 | 29980.7 | 34136.6 |
| 65°   | 19446.4 | 19255.0 | 18674.2 | 19926.5 | 21769.3 | 25114.2 | 29795.7 | 30814.4 | 31833.2 | 35304.6 |
| 67.5° | 14800.5 | 14826.5 | 14784.3 | 17201.3 | 20867.4 | 28348.8 | 33802.5 | 33724.6 | 34120.4 | 36615.3 |
| 70°   | 6767.6  | 6920.1  | 7912.9  | 11874.2 | 16717.9 | 28721.9 | 40427.3 | 39418.4 | 36991.6 | 38312.0 |
| 72.5° | 3656.3  | 3773.1  | 4178.7  | 5752.2  | 10050.9 | 25536.0 | 45378.2 | 46095.1 | 40810.2 | 39454.0 |
| 75°   | 2683.0  | 2747.9  | 3030.2  | 3656.3  | 4220.8  | 18979.2 | 43603.5 | 47282.6 | 41287.1 | 36790.5 |
| 77.5° | 2008.2  | 2037.4  | 2267.8  | 2897.2  | 2160.7  | 10005.4 | 34840.6 | 39158.8 | 35343.5 | 30227.2 |
| 80°   | 1456.7  | 1489.1  | 1661.1  | 2173.7  | 1515.1  | 3659.6  | 23923.5 | 27485.8 | 24205.8 | 19268.0 |
| 82.5° | 1005.7  | 1018.7  | 1093.3  | 1479.4  | 1057.6  | 1421.0  | 13574.2 | 16117.7 | 13512.5 | 6761.1  |
| 85°   | 606.7   | 622.9   | 655.4   | 863.0   | 600.2   | 674.8   | 5859.2  | 6060.4  | 4039.2  | 1615.7  |
| 87.5° | 249.8   | 266.0   | 292.0   | 363.4   | 236.8   | 188.2   | 966.8   | 1213.4  | 755.9   | 473.7   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11069.6 | 0°    | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 | 11069.6 |
| 11102.0 | 2.5°  | 11085.8 | 11063.1 | 11001.5 | 10917.1 | 10839.2 | 10741.9 | 10699.7 | 10664.0 | 10631.6 | 10570.0 |
| 11189.6 | 5°    | 11153.9 | 11092.3 | 10926.8 | 10712.7 | 10469.4 | 10203.4 | 9943.8  | 9765.4  | 9612.9  | 9499.3  |
| 11290.2 | 7.5°  | 11257.8 | 11141.0 | 10839.2 | 10401.3 | 9843.2  | 9272.2  | 8756.4  | 8389.8  | 8114.0  | 8013.4  |
| 11432.9 | 10°   | 11364.8 | 11225.3 | 10699.7 | 9927.6  | 8964.0  | 8084.8  | 7400.3  | 7023.9  | 6803.3  | 6731.9  |
| 11601.6 | 12.5° | 11491.3 | 11287.0 | 10482.4 | 9269.0  | 7981.0  | 7017.4  | 6420.5  | 6199.9  | 6086.3  | 6047.4  |
| 11809.3 | 15°   | 11676.3 | 11338.9 | 10154.7 | 8444.9  | 7043.4  | 6238.8  | 5852.7  | 5700.3  | 5641.9  | 5638.6  |
| 12023.4 | 17.5° | 11815.8 | 11348.6 | 9645.3  | 7562.5  | 6323.2  | 5768.4  | 5450.4  | 5392.0  | 5431.0  | 5489.4  |
| 12234.3 | 20°   | 11971.5 | 11261.0 | 8977.0  | 6757.9  | 5817.0  | 5356.4  | 5223.3  | 5262.3  | 5356.4  | 5440.7  |
| 12513.3 | 22.5° | 12081.8 | 11102.0 | 8169.2  | 6131.7  | 5379.1  | 5119.5  | 5113.0  | 5194.1  | 5246.0  | 5288.2  |
| 12841.0 | 25°   | 12179.1 | 10832.7 | 7312.7  | 5606.2  | 5018.9  | 4976.8  | 5048.1  | 5022.2  | 4986.5  | 5022.2  |
| 13168.7 | 27.5° | 12250.5 | 10407.7 | 6547.0  | 5145.5  | 4765.9  | 4879.4  | 4837.3  | 4778.9  | 4775.6  | 4795.1  |
| 13554.7 | 30°   | 12227.8 | 9840.0  | 5917.6  | 4707.5  | 4587.5  | 4697.8  | 4597.2  | 4587.5  | 4577.7  | 4587.5  |
| 14135.5 | 32.5° | 12227.8 | 9194.4  | 5434.2  | 4405.8  | 4473.9  | 4431.7  | 4422.0  | 4399.3  | 4360.4  | 4357.1  |
| 14923.8 | 35°   | 12295.9 | 8548.8  | 5018.9  | 4243.6  | 4379.8  | 4279.2  | 4285.7  | 4230.6  | 4149.5  | 4110.5  |
| 15968.5 | 37.5° | 12435.4 | 8029.7  | 4606.9  | 4165.7  | 4214.4  | 4211.1  | 4185.2  | 4091.1  | 3948.3  | 3825.0  |
| 17272.7 | 40°   | 12772.8 | 7877.2  | 4324.7  | 4130.0  | 4136.5  | 4175.4  | 4107.3  | 3925.6  | 3601.2  | 3400.0  |
| 18596.4 | 42.5° | 13301.7 | 8133.5  | 4263.0  | 4042.4  | 4084.6  | 4123.5  | 3990.5  | 3568.7  | 3338.4  | 3218.4  |
| 19984.9 | 45°   | 13973.2 | 8581.2  | 4396.0  | 3915.9  | 3961.3  | 4029.4  | 3633.6  | 3432.5  | 3328.7  | 3331.9  |
| 21360.5 | 47.5° | 14823.2 | 9051.6  | 4642.6  | 3805.6  | 3782.9  | 3821.8  | 3396.8  | 3273.5  | 3130.8  | 3166.4  |
| 22681.0 | 50°   | 15806.3 | 9528.5  | 4876.2  | 3656.3  | 3585.0  | 3458.4  | 3244.3  | 3127.5  | 2945.8  | 2861.5  |
| 23956.0 | 52.5° | 16870.4 | 9989.2  | 4970.3  | 3474.7  | 3370.8  | 3224.8  | 3140.5  | 2997.7  | 2777.1  | 2637.6  |
| 25159.6 | 55°   | 17879.4 | 10407.7 | 4866.5  | 3257.3  | 3156.7  | 3043.2  | 3030.2  | 2942.6  | 2705.8  | 2511.1  |
| 26230.2 | 57.5° | 18833.2 | 10758.1 | 4606.9  | 3036.7  | 2939.3  | 2871.2  | 2958.8  | 2916.6  | 2618.2  | 2368.3  |
| 27242.5 | 60°   | 19641.0 | 10998.2 | 4230.6  | 2812.8  | 2744.7  | 2709.0  | 2842.0  | 2829.0  | 2494.9  | 2215.9  |
| 28150.9 | 62.5° | 20283.4 | 11092.3 | 3815.3  | 2598.7  | 2582.5  | 2517.6  | 2679.8  | 2679.8  | 2339.1  | 2066.6  |
| 28949.0 | 65°   | 20786.3 | 11001.5 | 3393.5  | 2387.8  | 2420.3  | 2322.9  | 2481.9  | 2462.4  | 2173.7  | 1933.6  |
| 29867.1 | 67.5° | 21230.8 | 10703.0 | 2926.4  | 2180.2  | 2254.8  | 2131.5  | 2274.3  | 2228.8  | 1992.0  | 1800.6  |
| 30662.0 | 70°   | 21428.7 | 10008.7 | 2394.3  | 1972.5  | 2063.4  | 1943.3  | 2066.6  | 1982.3  | 1787.6  | 1657.8  |
| 29789.2 | 72.5° | 19838.9 | 8318.4  | 1884.9  | 1755.2  | 1833.0  | 1735.7  | 1842.8  | 1745.4  | 1567.0  | 1508.6  |
| 25724.1 | 75°   | 16413.0 | 6242.1  | 1450.2  | 1518.3  | 1576.7  | 1502.1  | 1573.5  | 1502.1  | 1339.9  | 1382.1  |
| 19001.9 | 77.5° | 11919.6 | 4214.4  | 1109.6  | 1268.5  | 1294.5  | 1255.5  | 1317.2  | 1236.1  | 1090.1  | 1080.4  |
| 9470.1  | 80°   | 5927.4  | 2468.9  | 869.5   | 1002.5  | 992.8   | 966.8   | 1038.2  | 999.2   | 876.0   | 927.9   |
| 2556.5  | 82.5° | 1716.2  | 1057.6  | 632.6   | 704.0   | 684.5   | 691.0   | 742.9   | 762.4   | 1142.0  | 1132.3  |
| 794.9   | 85°   | 538.6   | 415.3   | 379.6   | 392.6   | 373.1   | 382.8   | 438.0   | 869.5   | 804.6   | 470.4   |
| 246.6   | 87.5° | 139.5   | 142.7   | 94.1    | 100.6   | 103.8   | 123.3   | 139.5   | 528.8   | 253.1   | 165.5   |
| 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°    |
|---------|
| 11069.6 |
| 10540.8 |
| 9405.3  |
| 7838.3  |
| 6621.6  |
| 6057.1  |
| 5651.6  |
| 5512.1  |
| 5469.9  |
| 5310.9  |
| 5044.9  |
| 4827.5  |
| 4623.1  |
| 4399.3  |
| 4149.5  |
| 3867.2  |
| 3426.0  |
| 3218.4  |
| 3348.1  |
| 3257.3  |
| 2884.2  |
| 2634.4  |
| 2511.1  |
| 2355.4  |
| 2206.1  |
| 2056.9  |
| 1920.6  |
| 1787.6  |
| 1631.9  |
| 1459.9  |
| 1262.0  |
| 1031.7  |
| 918.1   |
| 1158.2  |
| 509.4   |
| 175.2   |
| 0.0     |