

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: P942567

Luminaire Tested: **GLAN-SB6C-850-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-850-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43469 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

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



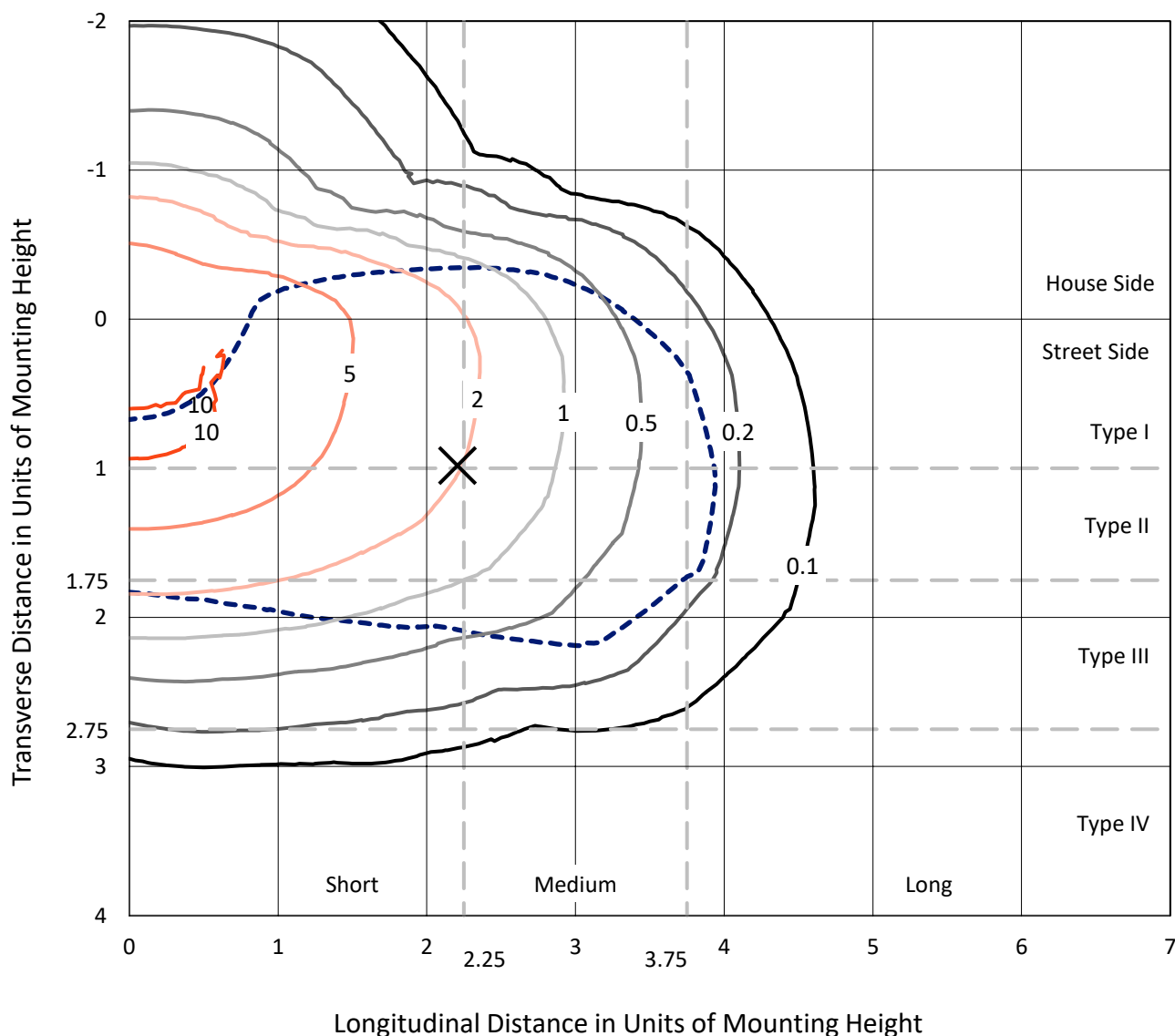
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

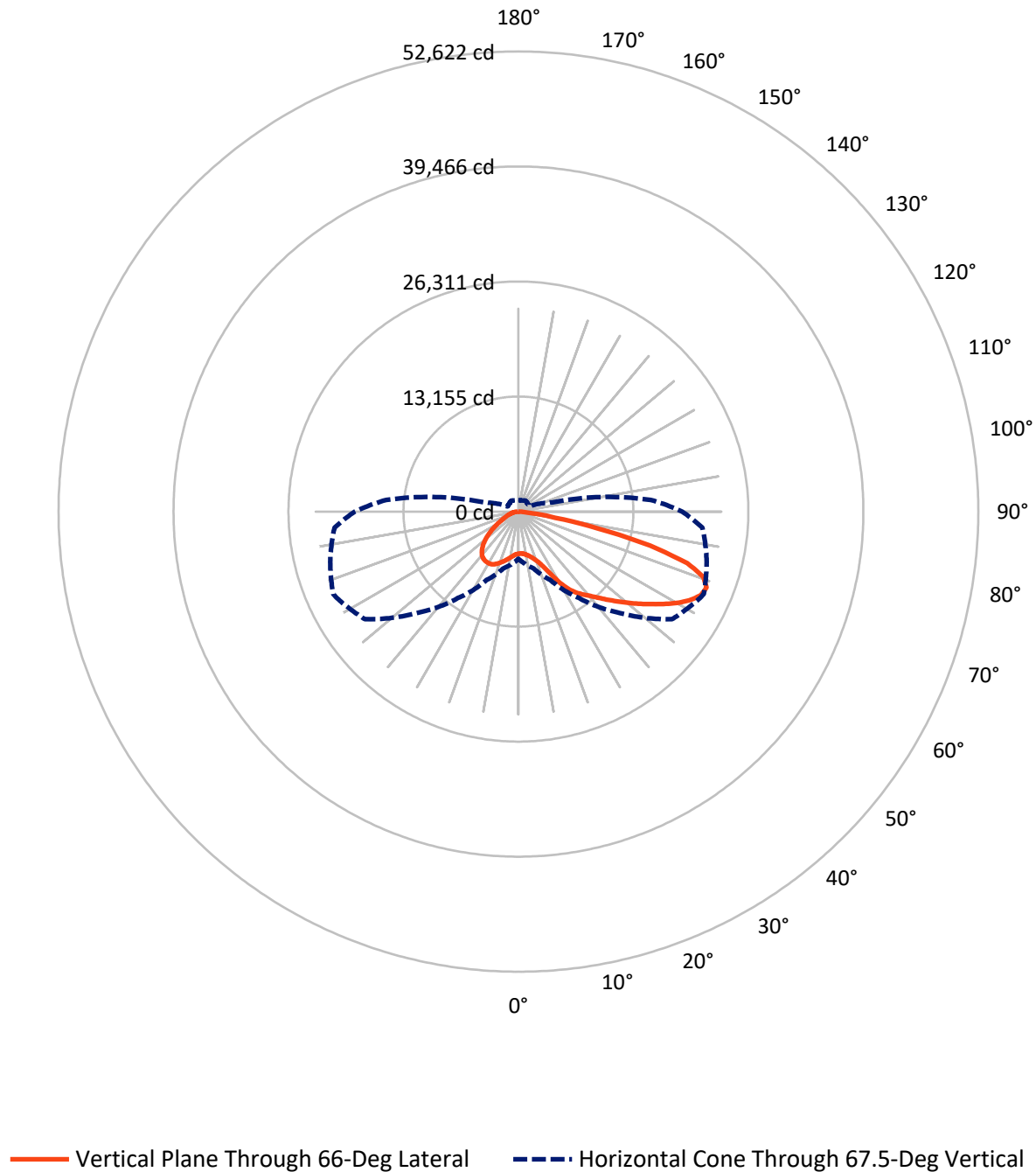


Based on 25 foot mounting height. Maximum calculated value = 10.9 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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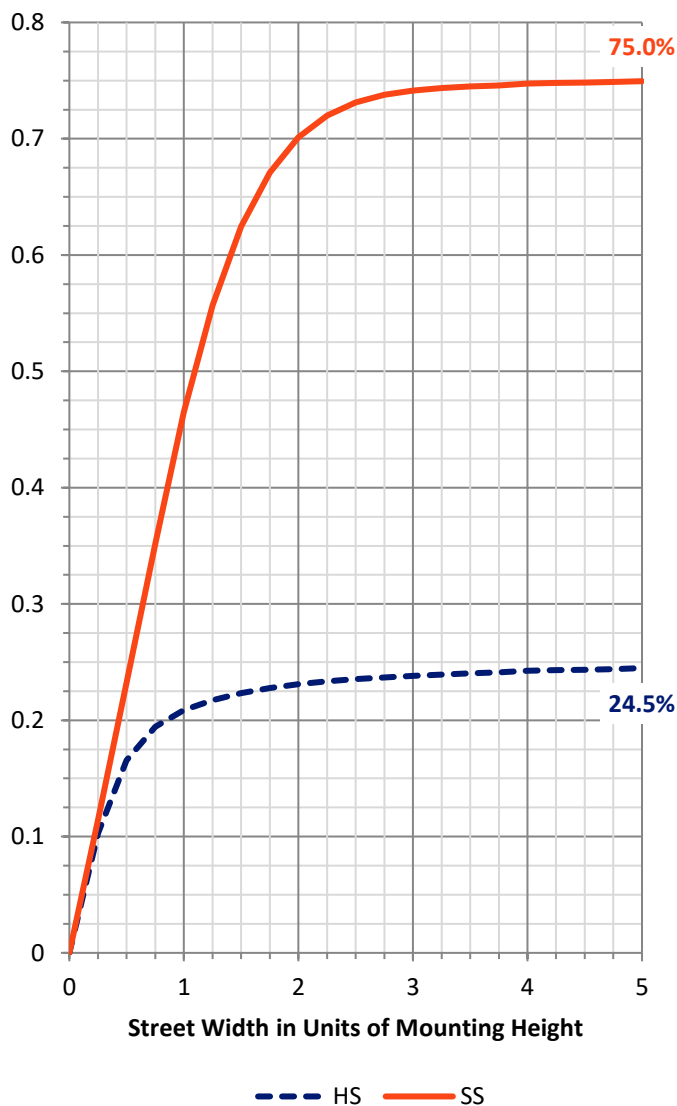
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 10808.4  | 0.0    | 10808.4 |
|                    | % Fixture | 24.9     | 0.0    | 24.9    |
| <b>Street Side</b> | Lumens    | 32660.6  | 0.0    | 32660.6 |
|                    | % Fixture | 75.1     | 0.0    | 75.1    |
| <b>Total</b>       | Lumens    | 43469.0  | 0.0    | 43469.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 478.0   | 1.1       |
| 10°-20°   | 1579.3  | 3.6       |
| 20°-30°   | 3044.0  | 7.0       |
| 30°-40°   | 5337.2  | 12.3      |
| 40°-50°   | 7934.7  | 18.3      |
| 50°-60°   | 10058.0 | 23.1      |
| 60°-70°   | 9841.5  | 22.6      |
| 70°-80°   | 4694.5  | 10.8      |
| 80°-90°   | 501.7   | 1.2       |
| 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°    | 43469.0 | 100.0     |
| 0°-180°   | 43469.0 | 100.0     |

**Coefficient of Utilization**



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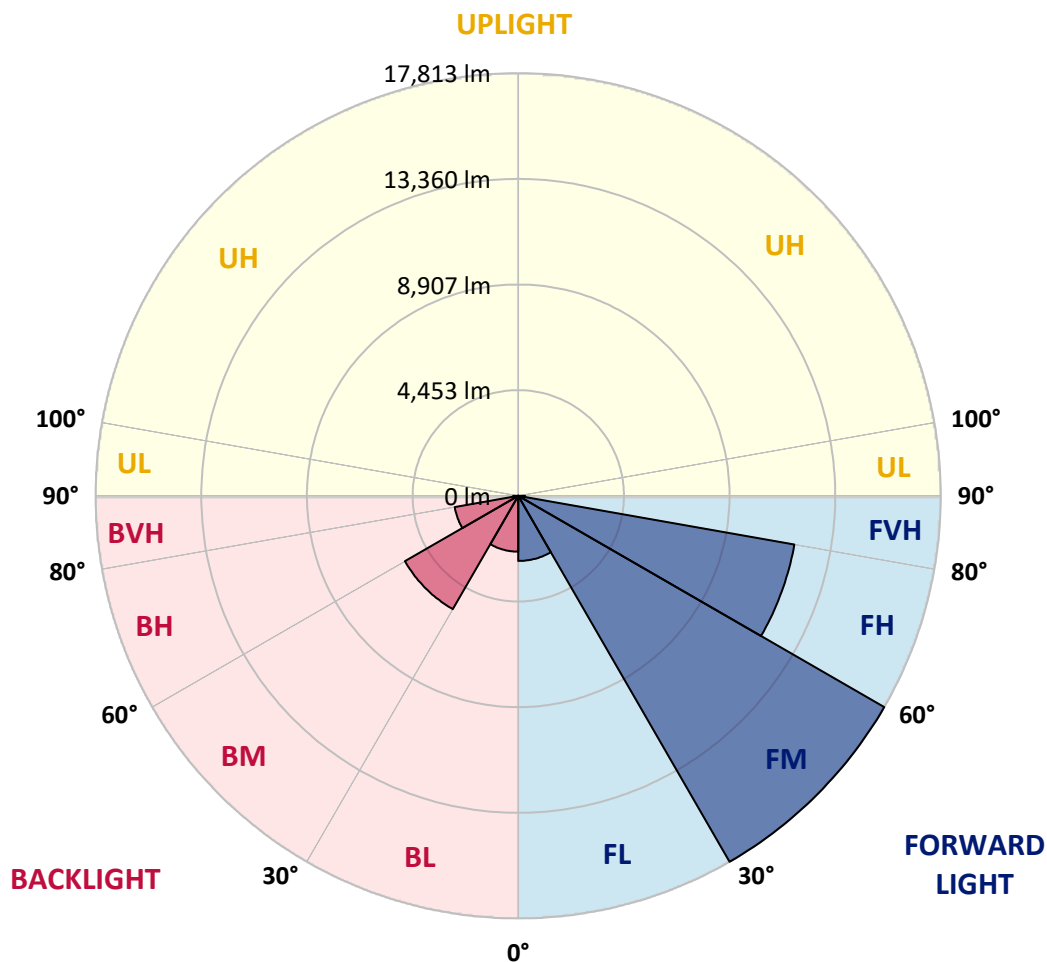
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2746.8  | 6.3       |                         |      |          |
| FM   | (30°-60°)   | 17813.2 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 11816.1 | 27.2      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 284.5   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2354.5  | 5.4       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 5516.7  | 12.7      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 2720.0  | 6.3       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 217.3   | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4821.3  | 4821.3  | 4821.3  | 4821.3  | 4821.3  | 4821.3  | 4821.3  | 4821.3  | 4821.3  | 4821.3  |
| 2.5°  | 4771.0  | 4798.4  | 4791.6  | 4780.2  | 4777.9  | 4782.5  | 4789.3  | 4796.2  | 4793.9  | 4805.3  |
| 5°    | 4757.3  | 4784.7  | 4782.5  | 4782.5  | 4791.6  | 4809.9  | 4821.3  | 4832.7  | 4821.3  | 4835.0  |
| 7.5°  | 4766.5  | 4787.0  | 4796.2  | 4805.3  | 4828.1  | 4862.4  | 4889.8  | 4914.9  | 4901.2  | 4917.2  |
| 10°   | 4883.0  | 4898.9  | 4908.1  | 4908.1  | 4924.1  | 4962.9  | 4990.3  | 5036.0  | 5024.6  | 5049.7  |
| 12.5° | 5095.4  | 5111.3  | 5111.3  | 5102.2  | 5113.6  | 5138.7  | 5147.9  | 5198.1  | 5177.6  | 5218.7  |
| 15°   | 5355.7  | 5387.7  | 5362.6  | 5346.6  | 5351.1  | 5376.3  | 5374.0  | 5412.8  | 5392.3  | 5426.5  |
| 17.5° | 5643.5  | 5684.6  | 5643.5  | 5641.2  | 5632.1  | 5659.5  | 5661.8  | 5696.0  | 5659.5  | 5684.6  |
| 20°   | 5983.8  | 6040.9  | 6006.6  | 6018.0  | 5997.5  | 6008.9  | 6020.3  | 6070.6  | 6013.5  | 6031.7  |
| 22.5° | 6463.4  | 6531.9  | 6495.4  | 6538.8  | 6525.1  | 6515.9  | 6513.6  | 6602.7  | 6513.6  | 6520.5  |
| 25°   | 7162.3  | 7244.5  | 7180.5  | 7239.9  | 7239.9  | 7269.6  | 7303.9  | 7418.1  | 7269.6  | 7226.2  |
| 27.5° | 8194.6  | 8276.8  | 8151.2  | 8187.7  | 8176.3  | 8249.4  | 8212.9  | 8496.1  | 8336.2  | 8265.4  |
| 30°   | 9437.0  | 9583.2  | 9345.7  | 9336.5  | 9325.1  | 9441.6  | 9494.1  | 9681.4  | 9519.2  | 9448.4  |
| 32.5° | 10779.9 | 10933.0 | 10649.8 | 10567.5 | 10524.2 | 10595.0 | 10551.6 | 10702.3 | 10590.4 | 10480.8 |
| 35°   | 12200.5 | 12351.3 | 12081.8 | 11921.9 | 11748.3 | 11599.9 | 11444.6 | 11483.4 | 11378.3 | 11211.6 |
| 37.5° | 13543.5 | 13819.8 | 13534.3 | 13363.0 | 13043.3 | 12753.2 | 12319.3 | 12138.9 | 12040.7 | 11887.6 |
| 40°   | 14911.5 | 15069.1 | 14852.1 | 14706.0 | 14358.8 | 13904.3 | 13210.0 | 12828.6 | 12696.1 | 12547.7 |
| 42.5° | 15918.7 | 16069.4 | 15953.0 | 15852.5 | 15580.7 | 15053.1 | 14155.5 | 13678.2 | 13486.4 | 13319.6 |
| 45°   | 16718.1 | 16830.0 | 16756.9 | 16793.4 | 16676.9 | 16165.4 | 15135.3 | 14589.5 | 14390.8 | 14187.5 |
| 47.5° | 17040.1 | 17158.8 | 17275.3 | 17492.3 | 17691.0 | 17314.2 | 16188.2 | 15576.1 | 15366.0 | 15158.2 |
| 50°   | 17003.5 | 17124.6 | 17462.6 | 17923.9 | 18540.6 | 18415.0 | 17298.2 | 16626.7 | 16432.6 | 16195.0 |
| 52.5° | 16711.2 | 16848.2 | 17282.2 | 18049.6 | 19031.6 | 19239.5 | 18428.7 | 17711.5 | 17528.8 | 17245.6 |
| 55°   | 15943.8 | 16026.0 | 16676.9 | 17764.1 | 19148.1 | 19815.0 | 19536.4 | 18867.2 | 18684.5 | 18289.4 |
| 57.5° | 14521.0 | 14639.7 | 15587.5 | 16994.4 | 18855.8 | 20205.6 | 20509.3 | 20082.2 | 19906.4 | 19337.7 |
| 60°   | 12664.2 | 12853.7 | 13938.6 | 15701.7 | 18111.2 | 20203.3 | 21393.2 | 21276.7 | 21130.5 | 20370.0 |
| 62.5° | 10563.0 | 10782.2 | 11826.0 | 13874.6 | 16809.4 | 19630.0 | 21945.9 | 22277.0 | 22201.7 | 21322.4 |
| 65°   | 8112.4  | 8263.1  | 9302.3  | 11510.8 | 14783.6 | 18399.0 | 22009.8 | 22959.9 | 22973.6 | 22046.4 |
| 67.5° | 5401.4  | 5835.3  | 6737.5  | 8637.7  | 12070.3 | 16386.9 | 21448.0 | 23071.8 | 23204.3 | 22295.3 |
| 70°   | 2635.6  | 3206.6  | 4090.4  | 5613.8  | 8637.7  | 13301.4 | 19979.4 | 22153.7 | 22448.3 | 21569.0 |
| 72.5° | 1094.0  | 1279.0  | 1760.9  | 2770.4  | 4958.3  | 8975.7  | 17028.7 | 19664.3 | 20210.1 | 19111.6 |
| 75°   | 737.7   | 799.4   | 1007.2  | 1420.6  | 2258.8  | 4426.2  | 12280.5 | 14662.6 | 15541.9 | 14434.2 |
| 77.5° | 568.7   | 607.5   | 733.1   | 993.5   | 1342.9  | 1674.1  | 6573.0  | 8836.4  | 9290.9  | 8601.1  |
| 80°   | 447.6   | 477.3   | 548.1   | 724.0   | 952.4   | 895.3   | 2240.5  | 4003.7  | 4266.3  | 3578.9  |
| 82.5° | 388.3   | 399.7   | 392.8   | 491.0   | 632.6   | 523.0   | 735.4   | 1477.7  | 1630.7  | 1183.1  |
| 85°   | 280.9   | 312.9   | 326.6   | 303.8   | 335.7   | 264.9   | 301.5   | 523.0   | 575.5   | 513.9   |
| 87.5° | 114.2   | 169.0   | 207.8   | 196.4   | 123.3   | 75.4    | 93.6    | 153.0   | 175.9   | 191.8   |
| 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°   |
|---------|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 4821.3  | 0°    | 4821.3  | 4821.3  | 4821.3  | 4821.3 | 4821.3 | 4821.3 | 4821.3 | 4821.3 | 4821.3 | 4821.3 |
| 4823.6  | 2.5°  | 4825.9  | 4841.8  | 4853.3  | 4867.0 | 4876.1 | 4889.8 | 4917.2 | 4933.2 | 4935.5 | 4946.9 |
| 4860.1  | 5°    | 4869.2  | 4892.1  | 4917.2  | 4953.8 | 4994.9 | 5029.1 | 5081.6 | 5118.2 | 5131.9 | 5143.3 |
| 4949.2  | 7.5°  | 4962.9  | 4994.9  | 5040.5  | 5104.5 | 5163.9 | 5209.5 | 5273.5 | 5316.9 | 5360.3 | 5376.3 |
| 5090.8  | 10°   | 5102.2  | 5147.9  | 5214.1  | 5300.9 | 5364.9 | 5424.2 | 5490.5 | 5527.0 | 5570.4 | 5588.7 |
| 5259.8  | 12.5° | 5275.8  | 5323.7  | 5410.5  | 5531.6 | 5591.0 | 5632.1 | 5654.9 | 5645.8 | 5654.9 | 5670.9 |
| 5463.1  | 15°   | 5474.5  | 5527.0  | 5625.2  | 5755.4 | 5796.5 | 5760.0 | 5709.7 | 5664.0 | 5657.2 | 5661.8 |
| 5709.7  | 17.5° | 5709.7  | 5748.5  | 5862.7  | 5972.4 | 5942.7 | 5791.9 | 5682.3 | 5609.2 | 5572.7 | 5561.3 |
| 6024.9  | 20°   | 6038.6  | 6038.6  | 6132.2  | 6200.8 | 6002.1 | 5746.3 | 5575.0 | 5456.2 | 5380.8 | 5348.9 |
| 6454.3  | 22.5° | 6438.3  | 6401.7  | 6461.1  | 6413.2 | 5990.6 | 5618.4 | 5380.8 | 5175.3 | 5061.1 | 5015.4 |
| 7054.9  | 25°   | 6945.3  | 6901.9  | 6885.9  | 6589.0 | 5908.4 | 5415.1 | 5029.1 | 4780.2 | 4679.7 | 4654.6 |
| 7920.5  | 27.5° | 7710.4  | 7600.8  | 7392.9  | 6684.9 | 5757.7 | 5095.4 | 4618.0 | 4387.3 | 4330.3 | 4332.5 |
| 9032.8  | 30°   | 8729.0  | 8509.8  | 8000.5  | 6700.9 | 5511.0 | 4643.1 | 4197.8 | 4033.3 | 4005.9 | 4017.4 |
| 9966.9  | 32.5° | 9672.3  | 9464.4  | 8621.7  | 6627.8 | 5131.9 | 4200.1 | 3820.9 | 3711.3 | 3670.2 | 3683.9 |
| 10679.5 | 35°   | 10412.2 | 10355.1 | 9197.2  | 6525.1 | 4666.0 | 3784.4 | 3482.9 | 3389.3 | 3309.4 | 3291.1 |
| 11350.9 | 37.5° | 11111.1 | 11088.3 | 9628.9  | 6381.2 | 4204.6 | 3489.8 | 3211.1 | 3087.8 | 2971.3 | 2907.4 |
| 12093.2 | 40°   | 11878.5 | 11855.7 | 9912.1  | 6159.6 | 3795.8 | 3234.0 | 2966.8 | 2804.6 | 2660.7 | 2544.3 |
| 12933.7 | 42.5° | 12741.8 | 12607.1 | 10046.8 | 5842.2 | 3448.7 | 3017.0 | 2768.1 | 2548.8 | 2359.3 | 2251.9 |
| 13883.8 | 45°   | 13685.1 | 13381.3 | 10044.5 | 5437.9 | 3156.3 | 2818.3 | 2555.7 | 2245.1 | 2069.2 | 1968.7 |
| 14859.0 | 47.5° | 14685.4 | 14121.3 | 9921.2  | 4990.3 | 2873.1 | 2599.1 | 2226.8 | 1989.3 | 1872.8 | 1811.1 |
| 15918.7 | 50°   | 15717.7 | 14813.3 | 9711.1  | 4476.4 | 2583.1 | 2350.1 | 2021.2 | 1859.1 | 1770.0 | 1712.9 |
| 16969.3 | 52.5° | 16688.4 | 15441.4 | 9457.6  | 3894.0 | 2288.5 | 2108.0 | 1929.9 | 1804.3 | 1710.6 | 1646.7 |
| 17987.9 | 55°   | 17590.5 | 15982.6 | 9099.0  | 3297.9 | 2048.6 | 1945.9 | 1886.5 | 1781.4 | 1674.1 | 1598.7 |
| 19022.5 | 57.5° | 18392.1 | 16334.4 | 8480.1  | 2738.4 | 1877.4 | 1834.0 | 1840.8 | 1742.6 | 1619.3 | 1555.3 |
| 20041.1 | 60°   | 19059.0 | 16592.4 | 7564.2  | 2219.9 | 1738.0 | 1724.3 | 1770.0 | 1669.5 | 1525.6 | 1452.6 |
| 20902.1 | 62.5° | 19458.7 | 16587.9 | 6440.6  | 1818.0 | 1619.3 | 1623.8 | 1676.4 | 1578.2 | 1432.0 | 1363.5 |
| 21352.1 | 65°   | 19424.5 | 16181.3 | 5207.3  | 1555.3 | 1505.1 | 1509.6 | 1578.2 | 1477.7 | 1354.3 | 1313.2 |
| 21126.0 | 67.5° | 18737.0 | 15190.1 | 3994.5  | 1384.0 | 1379.5 | 1400.0 | 1480.0 | 1409.2 | 1306.4 | 1301.8 |
| 19778.5 | 70°   | 16875.6 | 13132.4 | 2877.7  | 1247.0 | 1249.3 | 1279.0 | 1384.0 | 1365.8 | 1281.3 | 1290.4 |
| 16629.0 | 72.5° | 13532.0 | 10012.6 | 1932.2  | 1103.1 | 1105.4 | 1153.4 | 1292.7 | 1331.5 | 1256.1 | 1377.2 |
| 11798.6 | 75°   | 9012.2  | 6244.1  | 1242.4  | 950.1  | 952.4  | 1014.0 | 1212.7 | 1265.3 | 1187.6 | 1372.6 |
| 6139.1  | 77.5° | 4330.3  | 2806.9  | 899.9   | 799.4  | 799.4  | 856.5  | 1048.3 | 1132.8 | 1011.8 | 1066.6 |
| 1973.3  | 80°   | 1495.9  | 1055.2  | 708.0   | 644.1  | 630.4  | 669.2  | 883.9  | 982.1  | 872.4  | 803.9  |
| 644.1   | 82.5° | 589.2   | 548.1   | 568.7   | 500.2  | 454.5  | 479.6  | 687.5  | 810.8  | 641.8  | 580.1  |
| 363.1   | 85°   | 338.0   | 356.3   | 402.0   | 331.2  | 262.6  | 294.6  | 504.7  | 582.4  | 484.2  | 427.1  |
| 118.8   | 87.5° | 91.4    | 125.6   | 185.0   | 171.3  | 118.8  | 125.6  | 239.8  | 322.0  | 278.6  | 214.7  |
| 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°   |
|--------|
| 4821.3 |
| 4944.6 |
| 5141.0 |
| 5378.6 |
| 5597.8 |
| 5675.5 |
| 5677.7 |
| 5577.3 |
| 5342.0 |
| 5008.6 |
| 4659.1 |
| 4339.4 |
| 4056.2 |
| 3702.2 |
| 3304.8 |
| 2909.7 |
| 2555.7 |
| 2258.8 |
| 1964.1 |
| 1797.4 |
| 1692.4 |
| 1619.3 |
| 1569.0 |
| 1514.2 |
| 1420.6 |
| 1342.9 |
| 1311.0 |
| 1308.7 |
| 1288.1 |
| 1395.5 |
| 1384.0 |
| 977.5  |
| 753.7  |
| 577.8  |
| 436.2  |
| 221.5  |
| 0.0    |