

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: P951474

Luminaire Tested: **GLAN-SB5C-840-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P951474  
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-SB5C-840-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 35366 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 249.5  
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

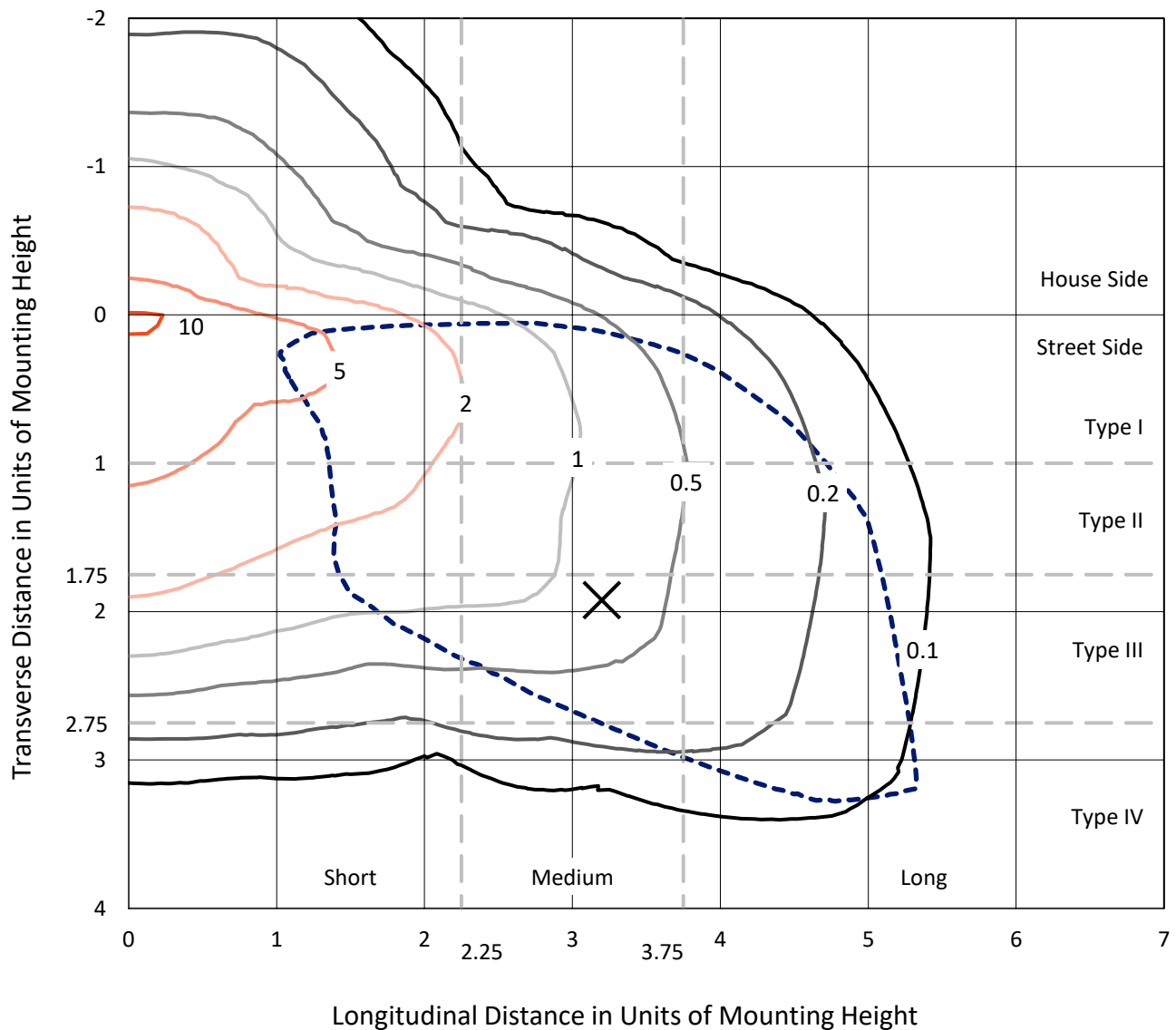


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## Iso-Footcandle Lines of Horizontal Illumination

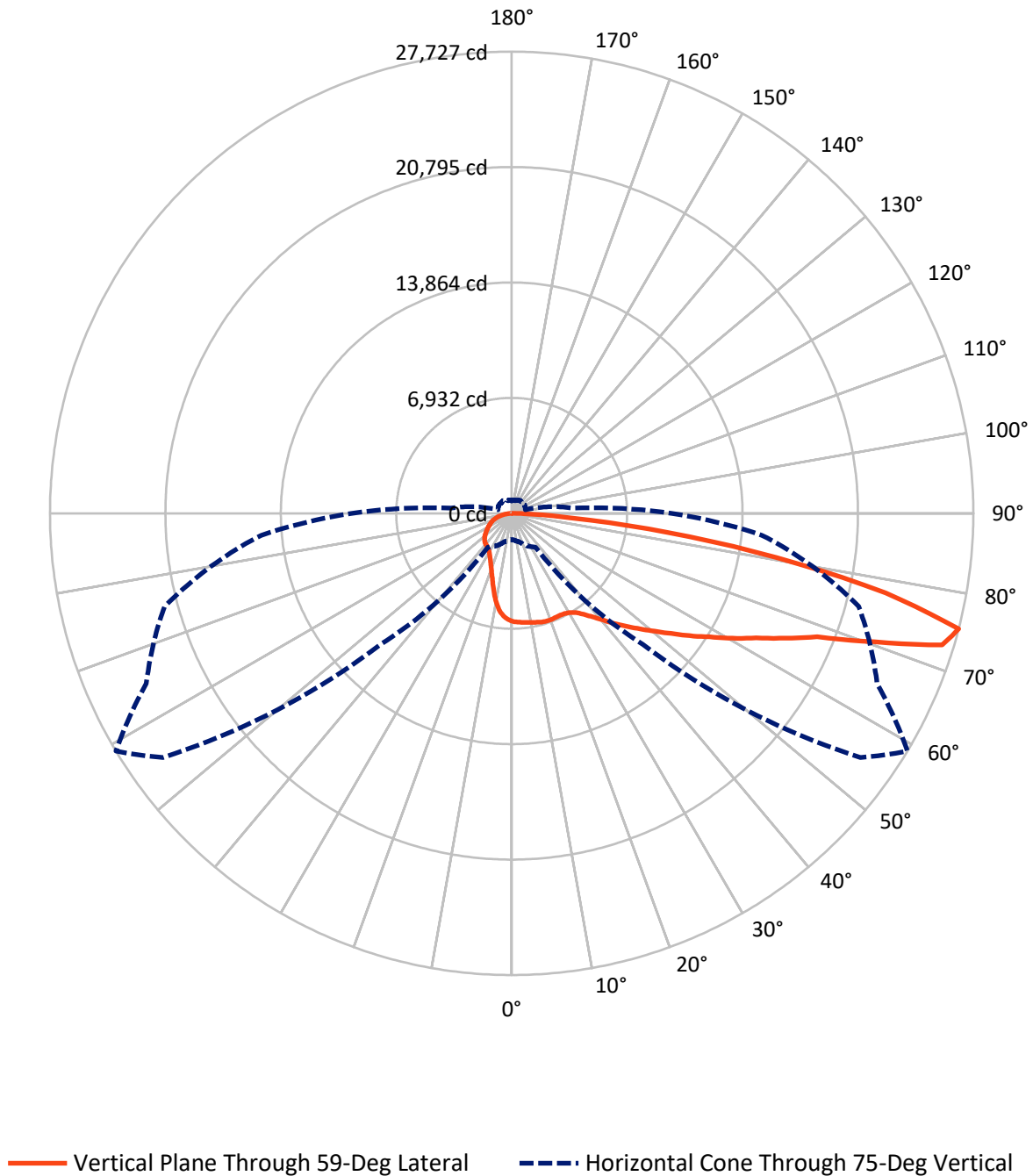
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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    | 6633.1   | 0.0    | 6633.1  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 28732.9  | 0.0    | 28732.9 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 35366.0  | 0.0    | 35366.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 582.1   | 1.6       |
| 10°-20°   | 1487.8  | 4.2       |
| 20°-30°   | 2259.8  | 6.4       |
| 30°-40°   | 3359.1  | 9.5       |
| 40°-50°   | 4995.6  | 14.1      |
| 50°-60°   | 6781.0  | 19.2      |
| 60°-70°   | 8278.4  | 23.4      |
| 70°-80°   | 6496.8  | 18.4      |
| 80°-90°   | 1125.4  | 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°    | 35366.0 | 100.0     |
| 0°-180°   | 35366.0 | 100.0     |

**Coefficient of Utilization**



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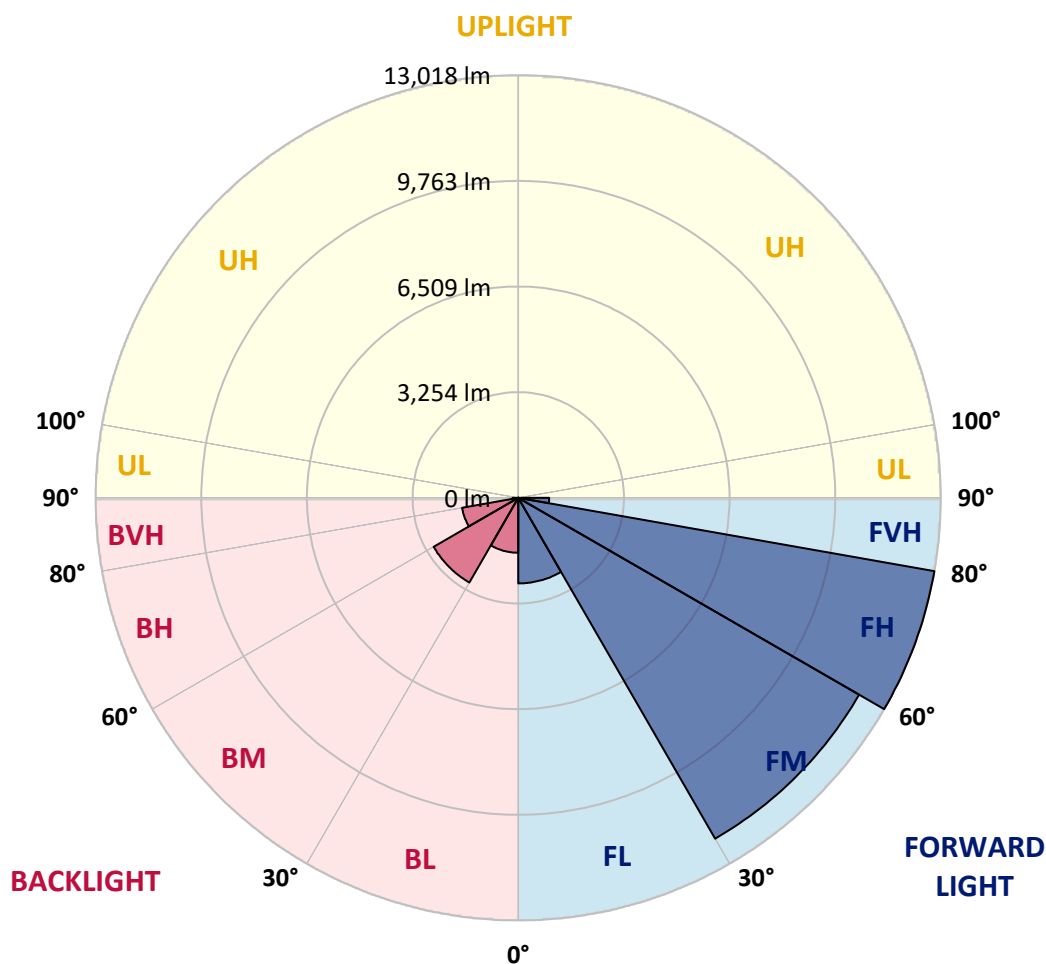
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2636.9  | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 12124.9 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 13017.9 | 36.8      |                         |      | G5      |
| FVH  | (80°-90°)   | 953.1   | 2.7       |                         |      | G5      |
| BL   | (0°-30°)    | 1692.7  | 4.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3010.8  | 8.5       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1757.4  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 172.3   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 59°     | 65°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6491.4  | 6491.4  | 6491.4  | 6491.4  | 6491.4  | 6491.4  | 6491.4  | 6491.4  | 6491.4  | 6491.4  |
| 2.5°  | 6546.5  | 6523.7  | 6546.5  | 6537.0  | 6533.2  | 6525.6  | 6527.5  | 6540.8  | 6533.2  | 6542.7  |
| 5°    | 6502.8  | 6489.4  | 6512.3  | 6506.6  | 6531.3  | 6535.1  | 6559.8  | 6575.1  | 6584.6  | 6586.5  |
| 7.5°  | 6430.5  | 6417.2  | 6449.5  | 6476.1  | 6529.4  | 6544.6  | 6596.0  | 6620.7  | 6634.0  | 6656.9  |
| 10°   | 6166.0  | 6160.3  | 6240.2  | 6341.1  | 6466.6  | 6544.6  | 6622.6  | 6664.5  | 6685.4  | 6746.3  |
| 12.5° | 5698.0  | 5705.6  | 5810.3  | 6004.3  | 6255.4  | 6506.6  | 6653.1  | 6713.9  | 6746.3  | 6822.4  |
| 15°   | 5250.9  | 5249.0  | 5363.2  | 5570.5  | 5922.5  | 6339.2  | 6668.3  | 6772.9  | 6828.1  | 6940.3  |
| 17.5° | 4992.2  | 4984.6  | 5064.5  | 5222.4  | 5549.6  | 6082.3  | 6630.2  | 6805.3  | 6923.2  | 7064.0  |
| 20°   | 4944.6  | 4929.4  | 4971.2  | 5049.3  | 5281.4  | 5800.7  | 6531.3  | 6805.3  | 6999.3  | 7182.0  |
| 22.5° | 5117.7  | 5093.0  | 5075.9  | 5066.4  | 5169.1  | 5568.6  | 6419.1  | 6782.4  | 7111.6  | 7351.3  |
| 25°   | 5465.9  | 5427.8  | 5340.3  | 5254.7  | 5224.3  | 5464.0  | 6320.1  | 6776.7  | 7279.0  | 7579.6  |
| 27.5° | 6029.0  | 5981.5  | 5804.5  | 5599.1  | 5414.5  | 5517.3  | 6276.4  | 6811.0  | 7463.5  | 7821.2  |
| 30°   | 6727.3  | 6675.9  | 6453.3  | 6137.5  | 5806.4  | 5715.1  | 6331.5  | 6911.8  | 7699.4  | 8142.7  |
| 32.5° | 7353.2  | 7296.1  | 7105.9  | 6784.3  | 6337.2  | 6057.6  | 6506.6  | 7104.0  | 8070.4  | 8589.8  |
| 35°   | 7908.7  | 7842.1  | 7670.9  | 7374.1  | 6987.9  | 6538.9  | 6822.4  | 7444.5  | 8597.4  | 9316.6  |
| 37.5° | 8452.8  | 8374.8  | 8188.4  | 7874.5  | 7604.3  | 7180.1  | 7258.1  | 7882.1  | 9297.5  | 10199.3 |
| 40°   | 9061.6  | 8949.4  | 8723.0  | 8412.9  | 8150.3  | 7931.5  | 7830.7  | 8418.6  | 10009.1 | 11184.8 |
| 42.5° | 9651.4  | 9544.9  | 9274.7  | 9010.3  | 8681.1  | 8618.4  | 8494.7  | 9046.4  | 10787.2 | 12267.4 |
| 45°   | 10286.8 | 10159.4 | 9832.2  | 9497.3  | 9289.9  | 9075.0  | 9137.7  | 9674.2  | 11550.1 | 13370.8 |
| 47.5° | 10882.3 | 10739.6 | 10353.4 | 9980.5  | 9866.4  | 9459.3  | 9727.5  | 10364.9 | 12343.5 | 14489.5 |
| 50°   | 11203.9 | 11063.1 | 10741.5 | 10404.8 | 10315.4 | 9933.0  | 10366.8 | 11124.0 | 13174.9 | 15604.4 |
| 52.5° | 11472.1 | 11319.9 | 10899.5 | 10713.0 | 10686.4 | 10448.6 | 11154.4 | 11991.5 | 14006.2 | 16589.9 |
| 55°   | 11757.5 | 11588.2 | 11051.7 | 10884.2 | 11006.0 | 11026.9 | 12088.5 | 12975.1 | 14885.2 | 17550.6 |
| 57.5° | 12086.6 | 11871.6 | 11198.2 | 11028.8 | 11318.0 | 11704.2 | 13161.5 | 13994.8 | 15748.9 | 18441.0 |
| 60°   | 12396.7 | 12179.8 | 11479.7 | 11259.0 | 11654.8 | 12490.0 | 14392.5 | 15229.6 | 16726.8 | 19234.3 |
| 62.5° | 12457.6 | 12278.8 | 11704.2 | 11702.3 | 12111.4 | 13407.0 | 15849.8 | 16475.7 | 17581.1 | 20018.2 |
| 65°   | 11403.6 | 11291.4 | 10950.8 | 11685.2 | 12765.8 | 14727.3 | 17472.6 | 18070.0 | 18667.4 | 20703.1 |
| 67.5° | 8679.2  | 8694.5  | 8669.7  | 10087.1 | 12236.9 | 16624.1 | 19822.2 | 19776.5 | 20008.7 | 21471.7 |
| 70°   | 3968.6  | 4058.0  | 4640.2  | 6963.2  | 9803.6  | 16842.9 | 23707.1 | 23115.4 | 21692.4 | 22466.7 |
| 72.5° | 2144.1  | 2212.6  | 2450.4  | 3373.1  | 5894.0  | 14974.6 | 26610.4 | 27030.8 | 23931.6 | 23136.4 |
| 75°   | 1573.4  | 1611.4  | 1776.9  | 2144.1  | 2475.2  | 11129.7 | 25569.7 | 27727.1 | 24211.3 | 21574.4 |
| 77.5° | 1177.7  | 1194.8  | 1329.9  | 1698.9  | 1267.1  | 5867.3  | 20431.0 | 22963.2 | 20725.9 | 17725.6 |
| 80°   | 854.2   | 873.3   | 974.1   | 1274.7  | 888.5   | 2146.0  | 14029.1 | 16118.0 | 14194.6 | 11299.0 |
| 82.5° | 589.8   | 597.4   | 641.1   | 867.5   | 620.2   | 833.3   | 7960.1  | 9451.6  | 7923.9  | 3964.8  |
| 85°   | 355.8   | 365.3   | 384.3   | 506.1   | 352.0   | 395.7   | 3435.9  | 3553.9  | 2368.6  | 947.4   |
| 87.5° | 146.5   | 156.0   | 171.2   | 213.1   | 138.9   | 110.3   | 566.9   | 711.5   | 443.3   | 277.8   |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6491.4  | 0°    | 6491.4  | 6491.4 | 6491.4 | 6491.4 | 6491.4 | 6491.4 | 6491.4 | 6491.4 | 6491.4 | 6491.4 |
| 6510.4  | 2.5°  | 6500.9  | 6487.5 | 6451.4 | 6401.9 | 6356.3 | 6299.2 | 6274.5 | 6253.5 | 6234.5 | 6198.4 |
| 6561.7  | 5°    | 6540.8  | 6504.7 | 6407.6 | 6282.1 | 6139.4 | 5983.4 | 5831.2 | 5726.5 | 5637.1 | 5570.5 |
| 6620.7  | 7.5°  | 6601.7  | 6533.2 | 6356.3 | 6099.4 | 5772.2 | 5437.4 | 5134.9 | 4919.9 | 4758.2 | 4699.2 |
| 6704.4  | 10°   | 6664.5  | 6582.7 | 6274.5 | 5821.7 | 5256.6 | 4741.0 | 4339.6 | 4118.9 | 3989.6 | 3947.7 |
| 6803.4  | 12.5° | 6738.7  | 6618.8 | 6147.0 | 5435.5 | 4680.2 | 4115.1 | 3765.1 | 3635.7 | 3569.1 | 3546.3 |
| 6925.1  | 15°   | 6847.1  | 6649.3 | 5954.8 | 4952.2 | 4130.3 | 3658.5 | 3432.1 | 3342.7 | 3308.5 | 3306.6 |
| 7050.7  | 17.5° | 6928.9  | 6655.0 | 5656.2 | 4434.7 | 3708.0 | 3382.7 | 3196.2 | 3162.0 | 3184.8 | 3219.0 |
| 7174.4  | 20°   | 7020.2  | 6603.6 | 5264.2 | 3962.9 | 3411.2 | 3141.0 | 3063.0 | 3085.9 | 3141.0 | 3190.5 |
| 7338.0  | 22.5° | 7084.9  | 6510.4 | 4790.5 | 3595.7 | 3154.4 | 3002.2 | 2998.3 | 3045.9 | 3076.4 | 3101.1 |
| 7530.1  | 25°   | 7142.0  | 6352.5 | 4288.2 | 3287.5 | 2943.2 | 2918.4 | 2960.3 | 2945.1 | 2924.2 | 2945.1 |
| 7722.3  | 27.5° | 7183.9  | 6103.2 | 3839.3 | 3017.4 | 2794.8 | 2861.4 | 2836.6 | 2802.4 | 2800.5 | 2811.9 |
| 7948.7  | 30°   | 7170.5  | 5770.3 | 3470.2 | 2760.5 | 2690.1 | 2754.8 | 2695.9 | 2690.1 | 2684.4 | 2690.1 |
| 8289.2  | 32.5° | 7170.5  | 5391.7 | 3186.7 | 2583.6 | 2623.6 | 2598.8 | 2593.1 | 2579.8 | 2557.0 | 2555.1 |
| 8751.5  | 35°   | 7210.5  | 5013.1 | 2943.2 | 2488.5 | 2568.4 | 2509.4 | 2513.2 | 2480.9 | 2433.3 | 2410.5 |
| 9364.1  | 37.5° | 7292.3  | 4708.7 | 2701.6 | 2442.8 | 2471.4 | 2469.5 | 2454.2 | 2399.1 | 2315.3 | 2243.1 |
| 10128.9 | 40°   | 7490.2  | 4619.3 | 2536.0 | 2421.9 | 2425.7 | 2448.5 | 2408.6 | 2302.0 | 2111.8 | 1993.8 |
| 10905.2 | 42.5° | 7800.3  | 4769.6 | 2499.9 | 2370.5 | 2395.3 | 2418.1 | 2340.1 | 2092.8 | 1957.7 | 1887.3 |
| 11719.4 | 45°   | 8194.1  | 5032.1 | 2577.9 | 2296.3 | 2323.0 | 2362.9 | 2130.8 | 2012.9 | 1952.0 | 1953.9 |
| 12526.1 | 47.5° | 8692.5  | 5308.0 | 2722.5 | 2231.6 | 2218.3 | 2241.2 | 1991.9 | 1919.6 | 1835.9 | 1856.8 |
| 13300.4 | 50°   | 9269.0  | 5587.7 | 2859.5 | 2144.1 | 2102.3 | 2028.1 | 1902.5 | 1834.0 | 1727.5 | 1678.0 |
| 14048.1 | 52.5° | 9893.0  | 5857.8 | 2914.6 | 2037.6 | 1976.7 | 1891.1 | 1841.6 | 1757.9 | 1628.5 | 1546.7 |
| 14753.9 | 55°   | 10484.7 | 6103.2 | 2853.8 | 1910.1 | 1851.1 | 1784.6 | 1776.9 | 1725.6 | 1586.7 | 1472.5 |
| 15381.8 | 57.5° | 11044.0 | 6308.7 | 2701.6 | 1780.7 | 1723.7 | 1683.7 | 1735.1 | 1710.4 | 1535.3 | 1388.8 |
| 15975.3 | 60°   | 11517.8 | 6449.5 | 2480.9 | 1649.5 | 1609.5 | 1588.6 | 1666.6 | 1659.0 | 1463.0 | 1299.4 |
| 16508.0 | 62.5° | 11894.5 | 6504.7 | 2237.3 | 1523.9 | 1514.4 | 1476.3 | 1571.5 | 1571.5 | 1371.7 | 1211.9 |
| 16976.1 | 65°   | 12189.4 | 6451.4 | 1990.0 | 1400.2 | 1419.3 | 1362.2 | 1455.4 | 1444.0 | 1274.7 | 1133.9 |
| 17514.5 | 67.5° | 12450.0 | 6276.4 | 1716.1 | 1278.5 | 1322.2 | 1249.9 | 1333.7 | 1307.0 | 1168.1 | 1055.9 |
| 17980.6 | 70°   | 12566.1 | 5869.2 | 1404.0 | 1156.7 | 1210.0 | 1139.6 | 1211.9 | 1162.4 | 1048.3 | 972.2  |
| 17468.8 | 72.5° | 11633.8 | 4878.0 | 1105.4 | 1029.3 | 1074.9 | 1017.8 | 1080.6 | 1023.5 | 918.9  | 884.7  |
| 15085.0 | 75°   | 9624.8  | 3660.4 | 850.4  | 890.4  | 924.6  | 880.9  | 922.7  | 880.9  | 785.7  | 810.5  |
| 11143.0 | 77.5° | 6989.8  | 2471.4 | 650.7  | 743.9  | 759.1  | 736.3  | 772.4  | 724.9  | 639.2  | 633.5  |
| 5553.4  | 80°   | 3475.9  | 1447.8 | 509.9  | 587.9  | 582.2  | 566.9  | 608.8  | 586.0  | 513.7  | 544.1  |
| 1499.2  | 82.5° | 1006.4  | 620.2  | 371.0  | 412.8  | 401.4  | 405.2  | 435.7  | 447.1  | 669.7  | 664.0  |
| 466.1   | 85°   | 315.8   | 243.5  | 222.6  | 230.2  | 218.8  | 224.5  | 256.8  | 509.9  | 471.8  | 275.9  |
| 144.6   | 87.5° | 81.8    | 83.7   | 55.2   | 59.0   | 60.9   | 72.3   | 81.8   | 310.1  | 148.4  | 97.0   |
| 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°   |
|--------|
| 6491.4 |
| 6181.2 |
| 5515.4 |
| 4596.5 |
| 3883.0 |
| 3552.0 |
| 3314.2 |
| 3232.4 |
| 3207.6 |
| 3114.4 |
| 2958.4 |
| 2830.9 |
| 2711.1 |
| 2579.8 |
| 2433.3 |
| 2267.8 |
| 2009.0 |
| 1887.3 |
| 1963.4 |
| 1910.1 |
| 1691.3 |
| 1544.8 |
| 1472.5 |
| 1381.2 |
| 1293.7 |
| 1206.2 |
| 1126.3 |
| 1048.3 |
| 957.0  |
| 856.1  |
| 740.1  |
| 605.0  |
| 538.4  |
| 679.2  |
| 298.7  |
| 102.7  |
| 0.0    |