

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: P953141

Luminaire Tested: **GLAN-SB6D-740-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-740-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 66160 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - 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

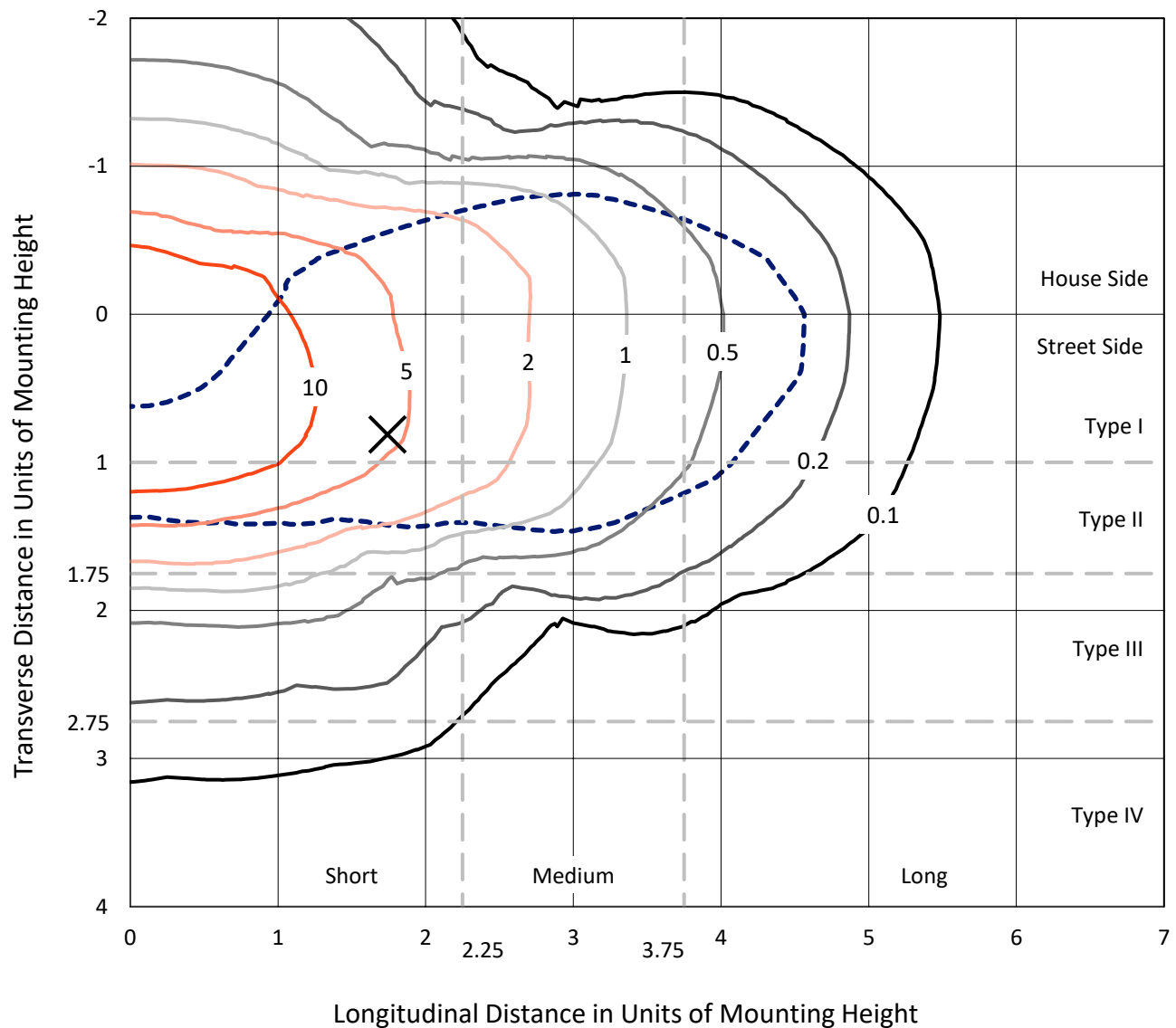


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

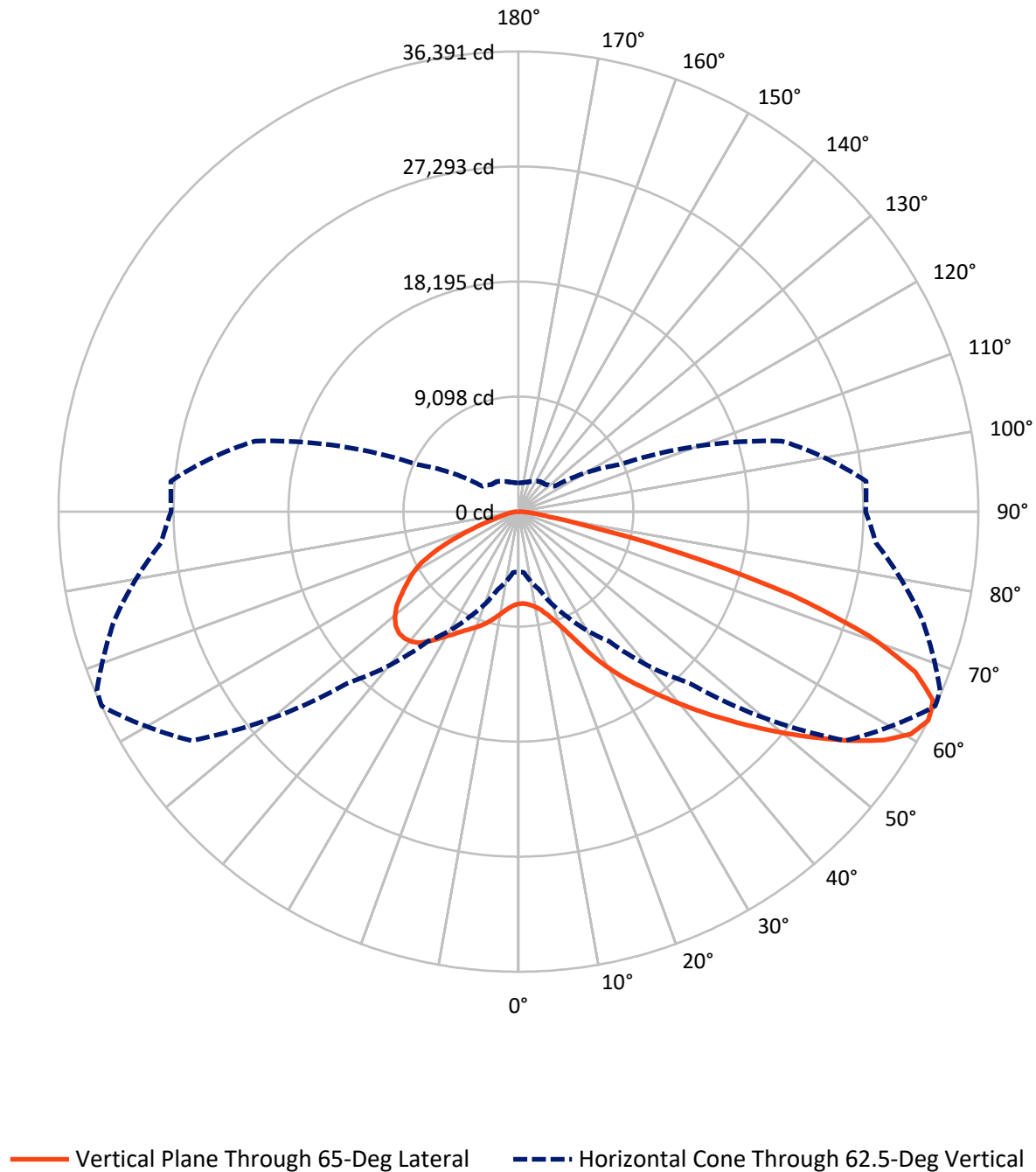


Based on 25 foot mounting height. Maximum calculated value = 18.5 fc

Type II - 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    | 20877.2  | 0.0    | 20877.2 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 45282.8  | 0.0    | 45282.8 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 66160.0  | 0.0    | 66160.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 726.9   | 1.1       |
| 10°-20°   | 2464.8  | 3.7       |
| 20°-30°   | 4997.7  | 7.6       |
| 30°-40°   | 8648.5  | 13.1      |
| 40°-50°   | 13087.8 | 19.8      |
| 50°-60°   | 15344.7 | 23.2      |
| 60°-70°   | 12864.6 | 19.4      |
| 70°-80°   | 7102.3  | 10.7      |
| 80°-90°   | 922.6   | 1.4       |
| 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°    | 66160.0 | 100.0     |
| 0°-180°   | 66160.0 | 100.0     |

**Coefficient of Utilization**



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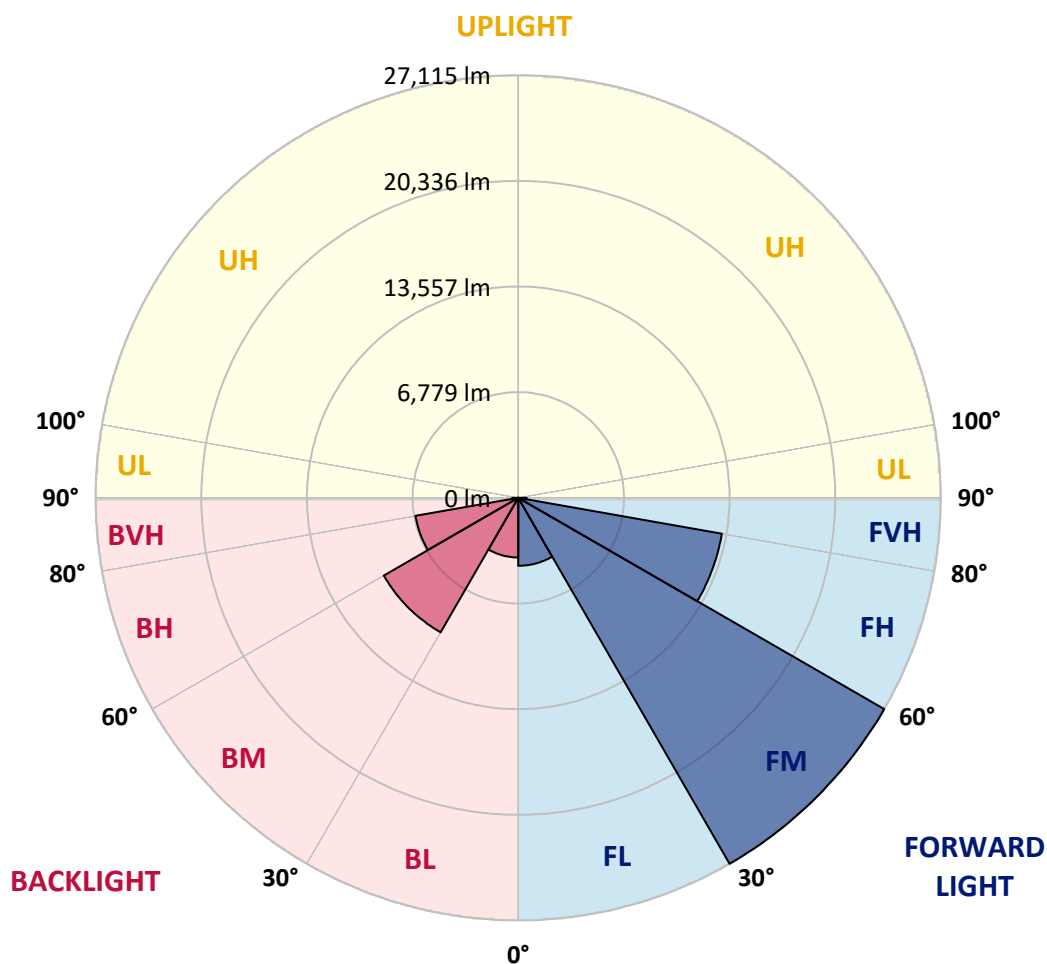
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 4360.8  | 6.6       |                         |      |        |
| FM   | (30°-60°)   | 27114.5 | 41.0      |                         |      |        |
| FH   | (60°-80°)   | 13269.8 | 20.1      |                         |      | G5     |
| FVH  | (80°-90°)   | 537.7   | 0.8       |                         |      | G4/750 |
| BL   | (0°-30°)    | 3828.6  | 5.8       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 9966.5  | 15.1      | B5                      |      |        |
| BH   | (60°-80°)   | 6697.2  | 10.1      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 384.9   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5  |
| 2.5°  | 7242.5  | 7221.9  | 7239.1  | 7239.1  | 7245.9  | 7242.5  | 7266.5  | 7273.4  | 7283.7  | 7304.3  |
| 5°    | 7170.4  | 7167.0  | 7197.9  | 7225.3  | 7252.8  | 7276.8  | 7307.7  | 7352.3  | 7359.2  | 7383.2  |
| 7.5°  | 7146.4  | 7125.8  | 7173.8  | 7208.2  | 7273.4  | 7331.7  | 7414.1  | 7489.6  | 7520.5  | 7530.8  |
| 10°   | 7331.7  | 7297.4  | 7342.0  | 7362.6  | 7417.5  | 7475.9  | 7572.0  | 7692.1  | 7726.5  | 7767.7  |
| 12.5° | 7647.5  | 7609.8  | 7675.0  | 7705.9  | 7757.4  | 7808.8  | 7874.1  | 7990.8  | 8007.9  | 8083.4  |
| 15°   | 8080.0  | 8035.4  | 8076.6  | 8114.3  | 8200.1  | 8248.2  | 8313.4  | 8426.7  | 8426.7  | 8485.0  |
| 17.5° | 8667.0  | 8608.6  | 8639.5  | 8653.2  | 8708.2  | 8780.2  | 8890.1  | 8989.6  | 9041.1  | 9020.5  |
| 20°   | 9542.2  | 9470.2  | 9470.2  | 9401.5  | 9380.9  | 9439.3  | 9583.4  | 9720.7  | 9775.6  | 9669.2  |
| 22.5° | 10856.9 | 10753.9 | 10695.5 | 10462.1 | 10369.5 | 10376.3 | 10520.5 | 10688.7 | 10733.3 | 10544.5 |
| 25°   | 12528.5 | 12367.2 | 12288.2 | 11945.0 | 11735.6 | 11553.7 | 11666.9 | 11883.2 | 11945.0 | 11711.6 |
| 27.5° | 14200.1 | 14210.4 | 14134.9 | 13723.0 | 13376.3 | 13043.3 | 12985.0 | 13211.5 | 13276.8 | 13012.5 |
| 30°   | 16544.5 | 16300.8 | 16156.6 | 15662.3 | 15168.0 | 14701.2 | 14461.0 | 14553.6 | 14570.8 | 14255.0 |
| 32.5° | 18566.2 | 18504.4 | 18195.5 | 17763.0 | 17128.0 | 16396.9 | 15995.3 | 15847.7 | 15820.2 | 15370.6 |
| 35°   | 20869.4 | 20835.0 | 20508.9 | 19994.1 | 19307.6 | 18291.6 | 17567.3 | 17145.1 | 17110.8 | 16479.2 |
| 37.5° | 23210.3 | 23210.3 | 22891.1 | 22328.2 | 21617.6 | 20347.6 | 19245.8 | 18576.5 | 18466.6 | 17642.8 |
| 40°   | 25077.6 | 24964.3 | 25022.6 | 24785.8 | 23972.3 | 22623.3 | 21109.6 | 20138.2 | 19990.6 | 19002.1 |
| 42.5° | 26138.2 | 26100.4 | 26450.5 | 26714.8 | 26381.9 | 25304.1 | 23162.2 | 21830.4 | 21624.5 | 20498.7 |
| 45°   | 26375.0 | 26333.8 | 26958.5 | 27926.5 | 28393.3 | 27950.5 | 25393.3 | 23611.9 | 23361.3 | 22063.9 |
| 47.5° | 25829.3 | 25746.9 | 26663.3 | 28190.8 | 29687.3 | 30466.5 | 27809.8 | 25544.4 | 25180.5 | 23587.9 |
| 50°   | 24188.5 | 24109.6 | 25496.3 | 27524.9 | 30123.3 | 32175.9 | 30432.2 | 27593.5 | 27037.5 | 25221.7 |
| 52.5° | 20622.2 | 20660.0 | 22832.7 | 25619.9 | 29550.0 | 33239.9 | 32690.7 | 29752.6 | 29083.2 | 26893.3 |
| 55°   | 16063.9 | 16146.3 | 18816.7 | 21885.4 | 27257.2 | 33078.6 | 34231.9 | 31976.8 | 31310.9 | 28465.4 |
| 57.5° | 11502.2 | 11866.0 | 14368.3 | 17406.0 | 22853.3 | 30521.4 | 34568.3 | 34091.2 | 33445.9 | 30181.6 |
| 60°   | 7455.3  | 7520.5  | 10094.9 | 13156.6 | 17402.6 | 25976.9 | 33885.2 | 35694.2 | 35189.6 | 31932.2 |
| 62.5° | 4778.0  | 4822.6  | 6391.2  | 9202.4  | 12525.0 | 19218.3 | 31585.5 | 36390.9 | 36236.5 | 33088.9 |
| 65°   | 3511.4  | 3477.1  | 4294.0  | 6082.3  | 8437.0  | 11852.3 | 27119.9 | 36054.6 | 36360.0 | 33813.2 |
| 67.5° | 2931.3  | 2883.3  | 3284.9  | 4211.6  | 6216.2  | 6731.1  | 20066.2 | 33868.1 | 34987.1 | 33730.8 |
| 70°   | 2670.5  | 2629.3  | 2873.0  | 3127.0  | 4850.1  | 4506.8  | 10115.5 | 29443.6 | 31166.7 | 32793.7 |
| 72.5° | 2262.0  | 2189.9  | 2522.9  | 2776.9  | 3772.3  | 3456.5  | 4180.7  | 22616.5 | 24717.1 | 29790.3 |
| 75°   | 1754.0  | 1705.9  | 1990.8  | 2443.9  | 2835.2  | 2697.9  | 2643.0  | 13733.3 | 16026.2 | 23038.7 |
| 77.5° | 1390.1  | 1324.9  | 1585.8  | 1905.0  | 2550.3  | 2035.4  | 1925.6  | 5914.1  | 8186.4  | 14708.1 |
| 80°   | 1046.9  | 988.5   | 1204.8  | 1506.8  | 1959.9  | 1534.3  | 1246.0  | 2413.0  | 3085.8  | 7451.9  |
| 82.5° | 744.8   | 693.4   | 841.0   | 1105.3  | 1318.1  | 1376.4  | 765.4   | 1352.4  | 1520.6  | 2873.0  |
| 85°   | 477.1   | 446.2   | 562.9   | 693.4   | 837.5   | 885.6   | 466.8   | 707.1   | 775.7   | 1184.2  |
| 87.5° | 260.9   | 212.8   | 302.1   | 322.7   | 387.9   | 353.5   | 223.1   | 257.4   | 278.0   | 429.1   |
| 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°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 7290.5  | 0°    | 7290.5  | 7290.5  | 7290.5  | 7290.5  | 7290.5 | 7290.5 | 7290.5 | 7290.5 | 7290.5 | 7290.5 |
| 7304.3  | 2.5°  | 7318.0  | 7328.3  | 7362.6  | 7372.9  | 7397.0 | 7427.8 | 7448.4 | 7469.0 | 7469.0 | 7489.6 |
| 7414.1  | 5°    | 7417.5  | 7441.6  | 7513.7  | 7551.4  | 7613.2 | 7675.0 | 7712.7 | 7757.4 | 7784.8 | 7798.5 |
| 7589.2  | 7.5°  | 7609.8  | 7647.5  | 7750.5  | 7815.7  | 7922.1 | 8007.9 | 8066.3 | 8128.1 | 8141.8 | 8179.6 |
| 7832.9  | 10°   | 7870.6  | 7915.3  | 8032.0  | 8155.5  | 8282.5 | 8388.9 | 8443.9 | 8488.5 | 8505.6 | 8512.5 |
| 8145.2  | 12.5° | 8169.3  | 8234.5  | 8385.5  | 8536.5  | 8670.4 | 8763.1 | 8776.8 | 8766.5 | 8718.4 | 8677.3 |
| 8529.7  | 15°   | 8536.5  | 8594.9  | 8763.1  | 8927.8  | 9058.3 | 9075.4 | 8989.6 | 8934.7 | 8876.3 | 8866.0 |
| 8958.7  | 17.5° | 8975.9  | 9006.8  | 9161.2  | 9322.6  | 9332.9 | 9274.5 | 9147.5 | 9096.0 | 9041.1 | 9003.3 |
| 9518.2  | 20°   | 9487.3  | 9477.0  | 9586.9  | 9655.5  | 9583.4 | 9404.9 | 9212.7 | 9126.9 | 9072.0 | 9027.4 |
| 10204.7 | 22.5° | 10098.3 | 10019.4 | 10005.6 | 9988.5  | 9796.2 | 9422.1 | 9161.2 | 9051.4 | 8965.6 | 8903.8 |
| 11162.4 | 25°   | 10987.3 | 10685.2 | 10475.9 | 10359.2 | 9926.7 | 9329.4 | 8996.5 | 8752.8 | 8591.4 | 8485.0 |
| 12332.8 | 27.5° | 12099.4 | 11591.4 | 11062.8 | 10777.9 | 9926.7 | 9140.6 | 8598.3 | 8203.6 | 7939.3 | 7829.4 |
| 13465.5 | 30°   | 13160.1 | 12628.0 | 11848.9 | 11282.5 | 9902.6 | 8831.7 | 7956.4 | 7407.2 | 7098.3 | 6988.5 |
| 14433.5 | 32.5° | 14066.2 | 13486.1 | 12682.9 | 11835.1 | 9844.3 | 8330.6 | 7160.1 | 6552.6 | 6253.9 | 6123.5 |
| 15391.2 | 35°   | 14907.2 | 14289.3 | 13520.5 | 12442.7 | 9689.8 | 7596.0 | 6284.8 | 5821.5 | 5488.5 | 5279.1 |
| 16366.0 | 37.5° | 15768.7 | 15034.2 | 14313.4 | 12991.9 | 9411.8 | 6737.9 | 5612.1 | 5217.3 | 4826.0 | 4544.6 |
| 17402.6 | 40°   | 16705.8 | 15827.1 | 15161.2 | 13317.9 | 8955.3 | 5921.0 | 5090.3 | 4729.9 | 4314.6 | 4016.0 |
| 18597.1 | 42.5° | 17800.7 | 16777.9 | 16105.1 | 13486.1 | 8330.6 | 5340.9 | 4750.5 | 4397.0 | 4005.7 | 3762.0 |
| 19877.4 | 45°   | 18943.7 | 17824.8 | 16966.6 | 13482.7 | 7633.8 | 5069.7 | 4640.7 | 4290.6 | 3858.1 | 3604.1 |
| 21192.0 | 47.5° | 20141.7 | 18919.7 | 17711.5 | 13263.0 | 7029.7 | 5107.5 | 4578.9 | 4060.6 | 3583.5 | 3336.4 |
| 22520.4 | 50°   | 21343.0 | 20117.6 | 18432.3 | 12851.1 | 6772.2 | 5025.1 | 4348.9 | 3737.9 | 3175.0 | 2951.9 |
| 23766.4 | 52.5° | 22534.1 | 21391.1 | 19053.6 | 12264.2 | 6511.4 | 4719.6 | 4053.7 | 3319.2 | 3006.8 | 2852.4 |
| 25053.5 | 55°   | 23732.0 | 22650.8 | 19729.8 | 11409.5 | 5859.2 | 4362.7 | 3559.5 | 3161.3 | 2873.0 | 2732.2 |
| 26313.2 | 57.5° | 24933.4 | 24106.2 | 20371.7 | 10554.8 | 5038.9 | 3923.3 | 3288.3 | 2969.1 | 2739.1 | 2619.0 |
| 27367.0 | 60°   | 26182.8 | 25770.9 | 21034.1 | 9768.8  | 4228.8 | 3360.4 | 3089.2 | 2814.6 | 2581.2 | 2447.3 |
| 28379.6 | 62.5° | 27470.0 | 27603.8 | 21552.4 | 8756.2  | 3483.9 | 3017.1 | 2910.7 | 2629.3 | 2402.7 | 2275.7 |
| 29217.1 | 65°   | 28767.4 | 29371.6 | 21892.2 | 7352.3  | 2824.9 | 2691.0 | 2718.5 | 2426.7 | 2196.8 | 2086.9 |
| 29831.5 | 67.5° | 29745.7 | 30645.0 | 21796.1 | 5564.0  | 2316.9 | 2382.1 | 2478.2 | 2213.9 | 1997.7 | 1911.9 |
| 29732.0 | 70°   | 29855.5 | 30494.0 | 20848.8 | 3810.0  | 1939.3 | 2080.1 | 2210.5 | 2004.6 | 1781.4 | 1719.7 |
| 28331.5 | 72.5° | 28393.3 | 28434.5 | 18209.2 | 2488.5  | 1640.7 | 1826.1 | 1929.0 | 1791.7 | 1575.5 | 1513.7 |
| 24785.8 | 75°   | 24559.3 | 23515.8 | 13369.4 | 1640.7  | 1373.0 | 1568.6 | 1664.7 | 1568.6 | 1359.3 | 1373.0 |
| 18545.6 | 77.5° | 18607.4 | 16654.3 | 8117.8  | 1167.0  | 1146.4 | 1318.1 | 1448.5 | 1379.8 | 1201.4 | 1349.0 |
| 9326.0  | 80°   | 9586.9  | 9010.2  | 3621.2  | 871.8   | 906.2  | 1053.8 | 1191.1 | 1101.8 | 950.8  | 906.2  |
| 2083.5  | 82.5° | 2196.8  | 2553.8  | 1427.9  | 624.7   | 655.6  | 758.6  | 909.6  | 827.2  | 683.1  | 576.7  |
| 868.4   | 85°   | 768.9   | 841.0   | 631.6   | 391.3   | 384.4  | 473.7  | 617.8  | 552.6  | 463.4  | 370.7  |
| 367.3   | 87.5° | 243.7   | 319.2   | 236.8   | 157.9   | 164.8  | 212.8  | 284.9  | 260.9  | 216.2  | 140.7  |
| 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°   |
|--------|
| 7290.5 |
| 7489.6 |
| 7805.4 |
| 8165.8 |
| 8495.3 |
| 8677.3 |
| 8866.0 |
| 9006.8 |
| 9030.8 |
| 8924.4 |
| 8526.2 |
| 7884.4 |
| 7053.7 |
| 6188.7 |
| 5347.8 |
| 4620.1 |
| 4074.3 |
| 3810.0 |
| 3645.3 |
| 3370.7 |
| 2965.6 |
| 2852.4 |
| 2718.5 |
| 2598.4 |
| 2437.0 |
| 2272.3 |
| 2083.5 |
| 1915.3 |
| 1723.1 |
| 1510.3 |
| 1324.9 |
| 1187.6 |
| 827.2  |
| 569.8  |
| 391.3  |
| 147.6  |
| 0.0    |