

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: P955598

Luminaire Tested: **GLAN-SB8C-730-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955598  
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-SB8C-730-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 61370 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - U0 - G5

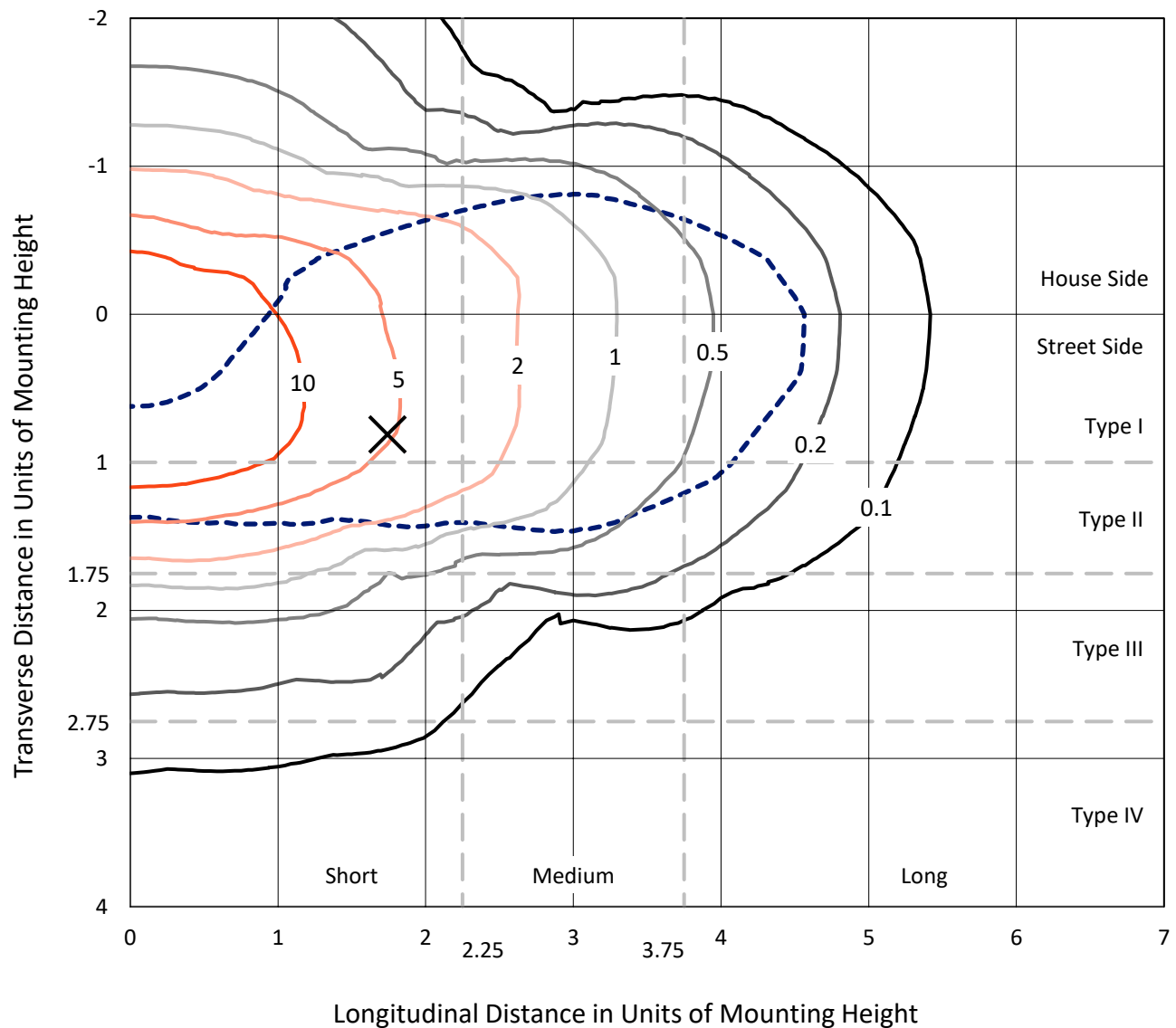
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

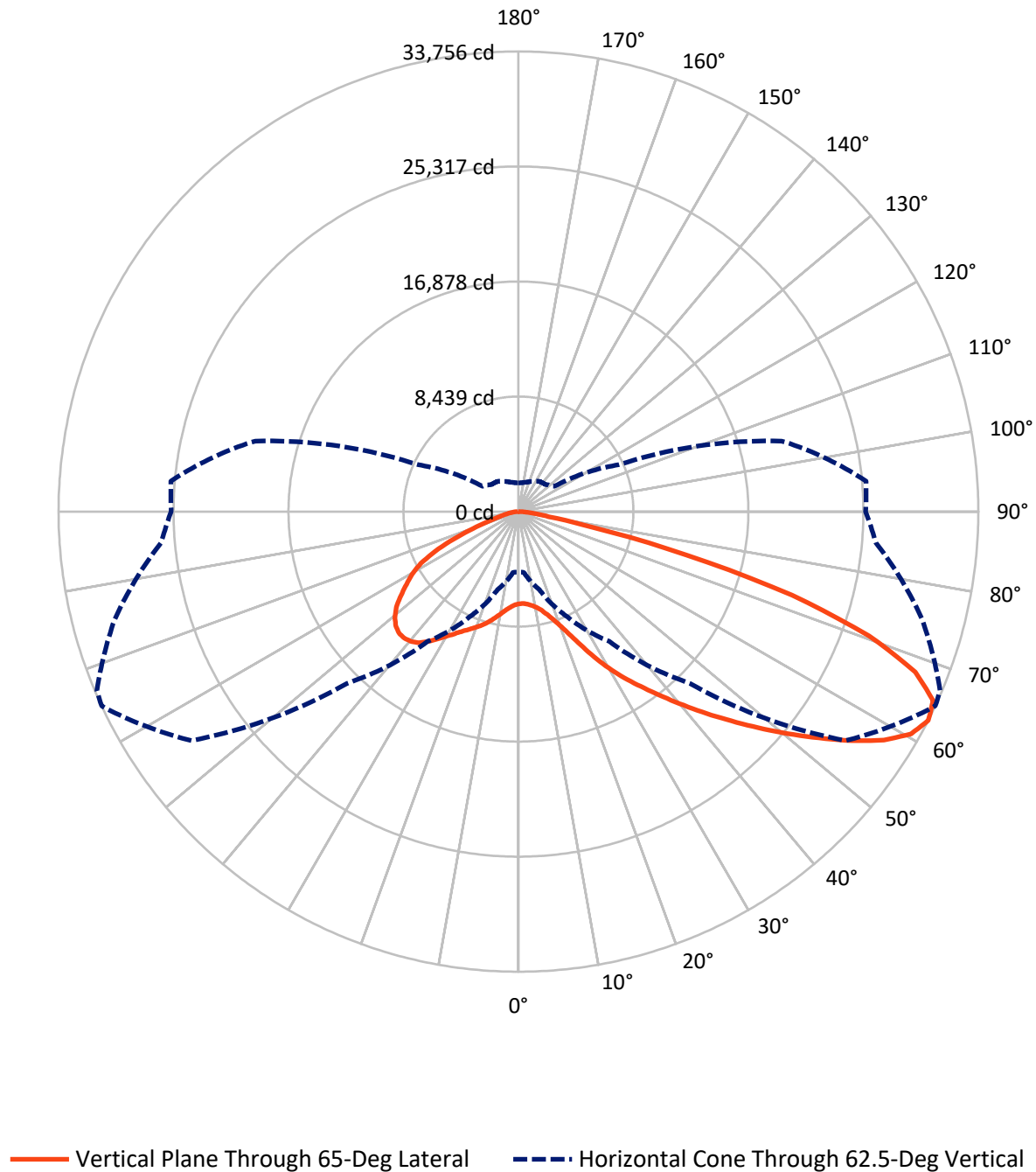
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.2 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    | 19365.7  | 0.0    | 19365.7 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 42004.3  | 0.0    | 42004.3 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 61370.0  | 0.0    | 61370.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 674.2   | 1.1       |
| 10°-20°   | 2286.4  | 3.7       |
| 20°-30°   | 4635.9  | 7.6       |
| 30°-40°   | 8022.3  | 13.1      |
| 40°-50°   | 12140.3 | 19.8      |
| 50°-60°   | 14233.7 | 23.2      |
| 60°-70°   | 11933.2 | 19.4      |
| 70°-80°   | 6588.1  | 10.7      |
| 80°-90°   | 855.8   | 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°    | 61370.0 | 100.0     |
| 0°-180°   | 61370.0 | 100.0     |

**Coefficient of Utilization**



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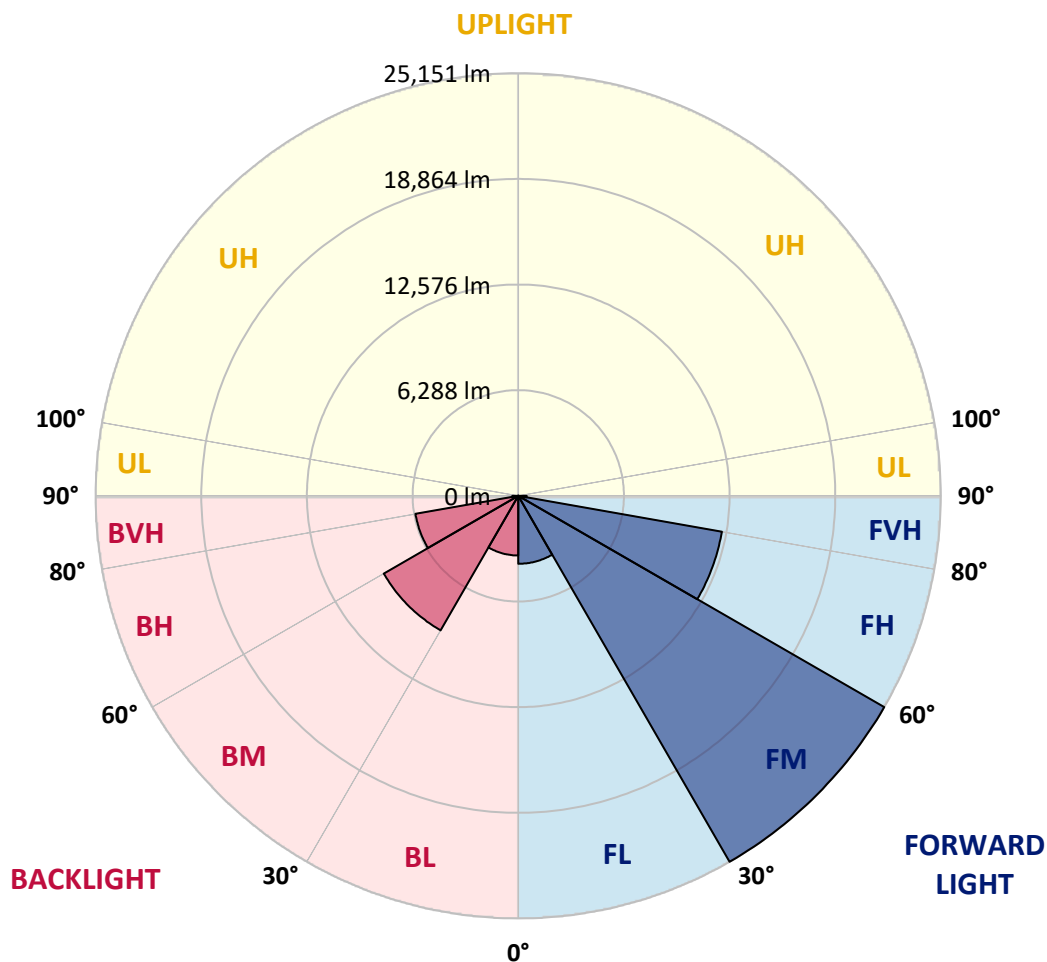
CATALOG NUMBER: GLAN-SB8C-730-U-T2U

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 4045.1  | 6.6       |                         |      |        |
| FM   | (30°-60°)   | 25151.4 | 41.0      |                         |      |        |
| FH   | (60°-80°)   | 12309.0 | 20.1      |                         |      | G5     |
| FVH  | (80°-90°)   | 498.8   | 0.8       |                         |      | G3/500 |
| BL   | (0°-30°)    | 3551.4  | 5.8       | B4/5000                 |      |        |
| BM   | (30°-60°)   | 9244.9  | 15.1      | B5                      |      |        |
| BH   | (60°-80°)   | 6212.4  | 10.1      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 357.0   | 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°    | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7  |
| 2.5°  | 6718.1  | 6699.0  | 6714.9  | 6714.9  | 6721.3  | 6718.1  | 6740.4  | 6746.8  | 6756.3  | 6775.4  |
| 5°    | 6651.3  | 6648.1  | 6676.7  | 6702.2  | 6727.7  | 6750.0  | 6778.6  | 6820.0  | 6826.4  | 6848.7  |
| 7.5°  | 6629.0  | 6609.9  | 6654.5  | 6686.3  | 6746.8  | 6800.9  | 6877.3  | 6947.4  | 6976.0  | 6985.6  |
| 10°   | 6800.9  | 6769.1  | 6810.5  | 6829.6  | 6880.5  | 6934.6  | 7023.8  | 7135.2  | 7167.1  | 7205.3  |
| 12.5° | 7093.8  | 7058.8  | 7119.3  | 7148.0  | 7195.7  | 7243.5  | 7304.0  | 7412.2  | 7428.2  | 7498.2  |
| 15°   | 7495.0  | 7453.6  | 7491.8  | 7526.9  | 7606.5  | 7651.0  | 7711.5  | 7816.6  | 7816.6  | 7870.7  |
| 17.5° | 8039.5  | 7985.3  | 8014.0  | 8026.7  | 8077.7  | 8144.5  | 8246.4  | 8338.8  | 8386.5  | 8367.4  |
| 20°   | 8851.4  | 8784.5  | 8784.5  | 8720.8  | 8701.7  | 8755.9  | 8889.6  | 9016.9  | 9067.9  | 8969.2  |
| 22.5° | 10070.8 | 9975.3  | 9921.2  | 9704.7  | 9618.7  | 9625.1  | 9758.8  | 9914.8  | 9956.2  | 9781.1  |
| 25°   | 11621.4 | 11471.8 | 11398.5 | 11080.1 | 10885.9 | 10717.2 | 10822.2 | 11022.8 | 11080.1 | 10863.6 |
| 27.5° | 13172.0 | 13181.5 | 13111.5 | 12729.4 | 12407.8 | 12099.0 | 12044.9 | 12255.0 | 12315.5 | 12070.4 |
| 30°   | 15346.6 | 15120.6 | 14986.8 | 14528.4 | 14069.9 | 13636.9 | 13414.0 | 13499.9 | 13515.9 | 13222.9 |
| 32.5° | 17222.0 | 17164.7 | 16878.1 | 16476.9 | 15887.9 | 15209.7 | 14837.2 | 14700.3 | 14674.8 | 14257.7 |
| 35°   | 19358.4 | 19326.6 | 19024.1 | 18546.5 | 17909.7 | 16967.3 | 16295.5 | 15903.8 | 15872.0 | 15286.1 |
| 37.5° | 21529.9 | 21529.9 | 21233.8 | 20711.6 | 20052.5 | 18874.5 | 17852.4 | 17231.5 | 17129.6 | 16365.5 |
| 40°   | 23261.9 | 23156.9 | 23211.0 | 22991.3 | 22236.7 | 20985.4 | 19581.3 | 18680.2 | 18543.3 | 17626.3 |
| 42.5° | 24245.8 | 24210.7 | 24535.5 | 24780.7 | 24471.8 | 23472.1 | 21485.3 | 20249.9 | 20058.9 | 19014.5 |
| 45°   | 24465.5 | 24427.3 | 25006.7 | 25904.6 | 26337.6 | 25926.9 | 23554.9 | 21902.4 | 21670.0 | 20466.4 |
| 47.5° | 23959.2 | 23882.8 | 24732.9 | 26149.8 | 27538.0 | 28260.7 | 25796.4 | 23694.9 | 23357.5 | 21880.1 |
| 50°   | 22437.3 | 22364.1 | 23650.4 | 25532.1 | 27942.3 | 29846.3 | 28228.9 | 25595.8 | 25080.0 | 23395.7 |
| 52.5° | 19129.2 | 19164.2 | 21179.6 | 23765.0 | 27410.6 | 30833.4 | 30323.9 | 27598.5 | 26977.6 | 24946.2 |
| 55°   | 14900.9 | 14977.3 | 17454.4 | 20300.9 | 25283.7 | 30683.7 | 31753.5 | 29661.7 | 29044.0 | 26404.5 |
| 57.5° | 10669.4 | 11006.9 | 13328.0 | 16145.8 | 21198.7 | 28311.7 | 32065.6 | 31623.0 | 31024.4 | 27996.5 |
| 60°   | 6915.5  | 6976.0  | 9364.0  | 12204.1 | 16142.6 | 24096.1 | 31431.9 | 33109.9 | 32641.8 | 29620.3 |
| 62.5° | 4432.1  | 4473.4  | 5928.5  | 8536.2  | 11618.2 | 17826.9 | 29298.7 | 33756.2 | 33613.0 | 30693.3 |
| 65°   | 3257.2  | 3225.3  | 3983.1  | 5642.0  | 7826.1  | 10994.2 | 25156.4 | 33444.2 | 33727.6 | 31365.1 |
| 67.5° | 2719.1  | 2674.5  | 3047.0  | 3906.7  | 5766.1  | 6243.7  | 18613.4 | 31416.0 | 32454.0 | 31288.7 |
| 70°   | 2477.1  | 2438.9  | 2665.0  | 2900.6  | 4498.9  | 4180.5  | 9383.1  | 27311.9 | 28910.3 | 30419.4 |
| 72.5° | 2098.2  | 2031.4  | 2340.2  | 2575.8  | 3499.2  | 3206.2  | 3878.1  | 20979.0 | 22927.6 | 27633.5 |
| 75°   | 1627.0  | 1582.4  | 1846.7  | 2267.0  | 2629.9  | 2502.6  | 2451.6  | 12739.0 | 14865.9 | 21370.7 |
| 77.5° | 1289.5  | 1229.0  | 1471.0  | 1767.1  | 2365.7  | 1888.1  | 1786.2  | 5485.9  | 7593.7  | 13643.2 |
| 80°   | 971.1   | 917.0   | 1117.6  | 1397.8  | 1818.0  | 1423.2  | 1155.8  | 2238.3  | 2862.4  | 6912.4  |
| 82.5° | 690.9   | 643.2   | 780.1   | 1025.2  | 1222.6  | 1276.8  | 710.0   | 1254.5  | 1410.5  | 2665.0  |
| 85°   | 442.6   | 413.9   | 522.2   | 643.2   | 776.9   | 821.5   | 433.0   | 655.9   | 719.6   | 1098.5  |
| 87.5° | 242.0   | 197.4   | 280.2   | 299.3   | 359.8   | 327.9   | 207.0   | 238.8   | 257.9   | 398.0   |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°     |       | 90°     | 95°     | 105°    | 115°    | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 6762.7  | 0°    | 6762.7  | 6762.7  | 6762.7  | 6762.7  | 6762.7 | 6762.7 | 6762.7 | 6762.7 | 6762.7 | 6762.7 |
| 6775.4  | 2.5°  | 6788.2  | 6797.7  | 6829.6  | 6839.1  | 6861.4 | 6890.1 | 6909.2 | 6928.3 | 6928.3 | 6947.4 |
| 6877.3  | 5°    | 6880.5  | 6902.8  | 6969.7  | 7004.7  | 7062.0 | 7119.3 | 7154.3 | 7195.7 | 7221.2 | 7233.9 |
| 7039.7  | 7.5°  | 7058.8  | 7093.8  | 7189.4  | 7249.9  | 7348.6 | 7428.2 | 7482.3 | 7539.6 | 7552.3 | 7587.4 |
| 7265.8  | 10°   | 7300.8  | 7342.2  | 7450.4  | 7565.1  | 7682.9 | 7781.6 | 7832.5 | 7873.9 | 7889.8 | 7896.2 |
| 7555.5  | 12.5° | 7577.8  | 7638.3  | 7778.4  | 7918.5  | 8042.7 | 8128.6 | 8141.4 | 8131.8 | 8087.2 | 8049.0 |
| 7912.1  | 15°   | 7918.5  | 7972.6  | 8128.6  | 8281.5  | 8402.4 | 8418.4 | 8338.8 | 8287.8 | 8233.7 | 8224.1 |
| 8310.1  | 17.5° | 8326.0  | 8354.7  | 8498.0  | 8647.6  | 8657.2 | 8603.0 | 8485.2 | 8437.5 | 8386.5 | 8351.5 |
| 8829.1  | 20°   | 8800.4  | 8790.9  | 8892.8  | 8956.4  | 8889.6 | 8724.0 | 8545.7 | 8466.1 | 8415.2 | 8373.8 |
| 9465.9  | 22.5° | 9367.2  | 9293.9  | 9281.2  | 9265.3  | 9087.0 | 8739.9 | 8498.0 | 8396.1 | 8316.5 | 8259.2 |
| 10354.2 | 25°   | 10191.8 | 9911.6  | 9717.4  | 9609.2  | 9208.0 | 8654.0 | 8345.1 | 8119.1 | 7969.4 | 7870.7 |
| 11439.9 | 27.5° | 11223.4 | 10752.2 | 10261.9 | 9997.6  | 9208.0 | 8478.9 | 7975.8 | 7609.6 | 7364.5 | 7262.6 |
| 12490.6 | 30°   | 12207.3 | 11713.7 | 10991.0 | 10465.6 | 9185.7 | 8192.3 | 7380.4 | 6871.0 | 6584.4 | 6482.5 |
| 13388.5 | 32.5° | 13047.8 | 12509.7 | 11764.7 | 10978.3 | 9131.6 | 7727.4 | 6641.7 | 6078.2 | 5801.2 | 5680.2 |
| 14276.8 | 35°   | 13827.9 | 13254.8 | 12541.6 | 11541.8 | 8988.3 | 7046.1 | 5829.8 | 5400.0 | 5091.1 | 4896.9 |
| 15181.1 | 37.5° | 14627.1 | 13945.7 | 13277.1 | 12051.2 | 8730.4 | 6250.1 | 5205.8 | 4839.6 | 4476.6 | 4215.5 |
| 16142.6 | 40°   | 15496.3 | 14681.2 | 14063.5 | 12353.7 | 8306.9 | 5492.3 | 4721.8 | 4387.5 | 4002.2 | 3725.2 |
| 17250.6 | 42.5° | 16512.0 | 15563.1 | 14939.1 | 12509.7 | 7727.4 | 4954.2 | 4406.6 | 4078.6 | 3715.7 | 3489.6 |
| 18438.2 | 45°   | 17572.2 | 16534.2 | 15738.3 | 12506.6 | 7081.1 | 4702.7 | 4304.7 | 3979.9 | 3578.8 | 3343.1 |
| 19657.7 | 47.5° | 18683.4 | 17549.9 | 16429.2 | 12302.8 | 6520.7 | 4737.7 | 4247.4 | 3766.6 | 3324.0 | 3094.8 |
| 20889.9 | 50°   | 19797.8 | 18661.1 | 17097.8 | 11920.7 | 6281.9 | 4661.3 | 4034.1 | 3467.3 | 2945.2 | 2738.2 |
| 22045.7 | 52.5° | 20902.6 | 19842.4 | 17674.1 | 11376.3 | 6040.0 | 4377.9 | 3760.2 | 3078.9 | 2789.1 | 2645.9 |
| 23239.6 | 55°   | 22013.8 | 21010.9 | 18301.3 | 10583.4 | 5435.0 | 4046.8 | 3301.8 | 2932.4 | 2665.0 | 2534.4 |
| 24408.2 | 57.5° | 23128.2 | 22360.9 | 18896.7 | 9790.6  | 4674.0 | 3639.3 | 3050.2 | 2754.1 | 2540.8 | 2429.4 |
| 25385.6 | 60°   | 24287.2 | 23905.1 | 19511.2 | 9061.5  | 3922.6 | 3117.1 | 2865.6 | 2610.8 | 2394.3 | 2270.2 |
| 26324.9 | 62.5° | 25481.1 | 25605.3 | 19992.0 | 8122.3  | 3231.7 | 2798.7 | 2700.0 | 2438.9 | 2228.8 | 2111.0 |
| 27101.8 | 65°   | 26684.7 | 27245.1 | 20307.2 | 6820.0  | 2620.4 | 2496.2 | 2521.7 | 2251.1 | 2037.7 | 1935.8 |
| 27671.7 | 67.5° | 27592.1 | 28426.3 | 20218.1 | 5161.2  | 2149.2 | 2209.7 | 2298.8 | 2053.6 | 1853.1 | 1773.5 |
| 27579.4 | 70°   | 27694.0 | 28286.2 | 19339.3 | 3534.2  | 1798.9 | 1929.5 | 2050.5 | 1859.4 | 1652.5 | 1595.2 |
| 26280.3 | 72.5° | 26337.6 | 26375.8 | 16890.8 | 2308.4  | 1521.9 | 1693.9 | 1789.4 | 1662.0 | 1461.4 | 1404.1 |
| 22991.3 | 75°   | 22781.2 | 21813.2 | 12401.5 | 1521.9  | 1273.6 | 1455.1 | 1544.2 | 1455.1 | 1260.8 | 1273.6 |
| 17202.9 | 77.5° | 17260.2 | 15448.5 | 7530.0  | 1082.5  | 1063.4 | 1222.6 | 1343.6 | 1279.9 | 1114.4 | 1251.3 |
| 8650.8  | 80°   | 8892.8  | 8357.9  | 3359.1  | 808.7   | 840.6  | 977.5  | 1104.8 | 1022.0 | 882.0  | 840.6  |
| 1932.7  | 82.5° | 2037.7  | 2368.9  | 1324.5  | 579.5   | 608.1  | 703.7  | 843.7  | 767.3  | 633.6  | 534.9  |
| 805.5   | 85°   | 713.2   | 780.1   | 585.8   | 363.0   | 356.6  | 439.4  | 573.1  | 512.6  | 429.8  | 343.9  |
| 340.7   | 87.5° | 226.1   | 296.1   | 219.7   | 146.5   | 152.8  | 197.4  | 264.3  | 242.0  | 200.6  | 130.5  |
| 0.0     | 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END O

| 180°   |
|--------|
| 6762.7 |
| 6947.4 |
| 7240.3 |
| 7574.6 |
| 7880.3 |
| 8049.0 |
| 8224.1 |
| 8354.7 |
| 8377.0 |
| 8278.3 |
| 7908.9 |
| 7313.5 |
| 6543.0 |
| 5740.7 |
| 4960.6 |
| 4285.6 |
| 3779.3 |
| 3534.2 |
| 3381.4 |
| 3126.6 |
| 2750.9 |
| 2645.9 |
| 2521.7 |
| 2410.2 |
| 2260.6 |
| 2107.8 |
| 1932.7 |
| 1776.6 |
| 1598.3 |
| 1400.9 |
| 1229.0 |
| 1101.6 |
| 767.3  |
| 528.5  |
| 363.0  |
| 136.9  |
| 0.0    |