

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: P951692

Luminaire Tested: **GLAN-SB5D-735-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951692  
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-SB5D-735-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52092 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - U0 - G5

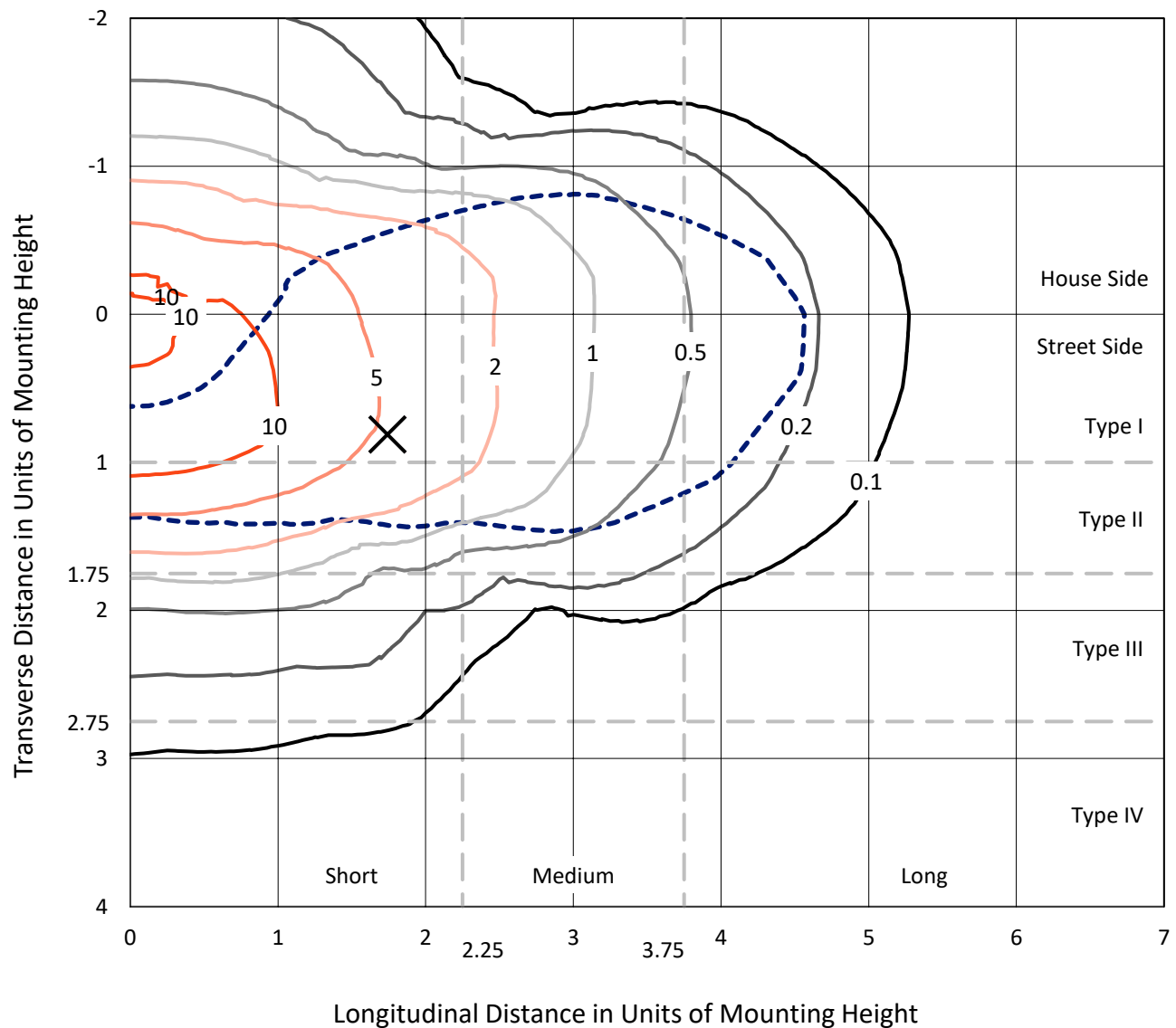
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

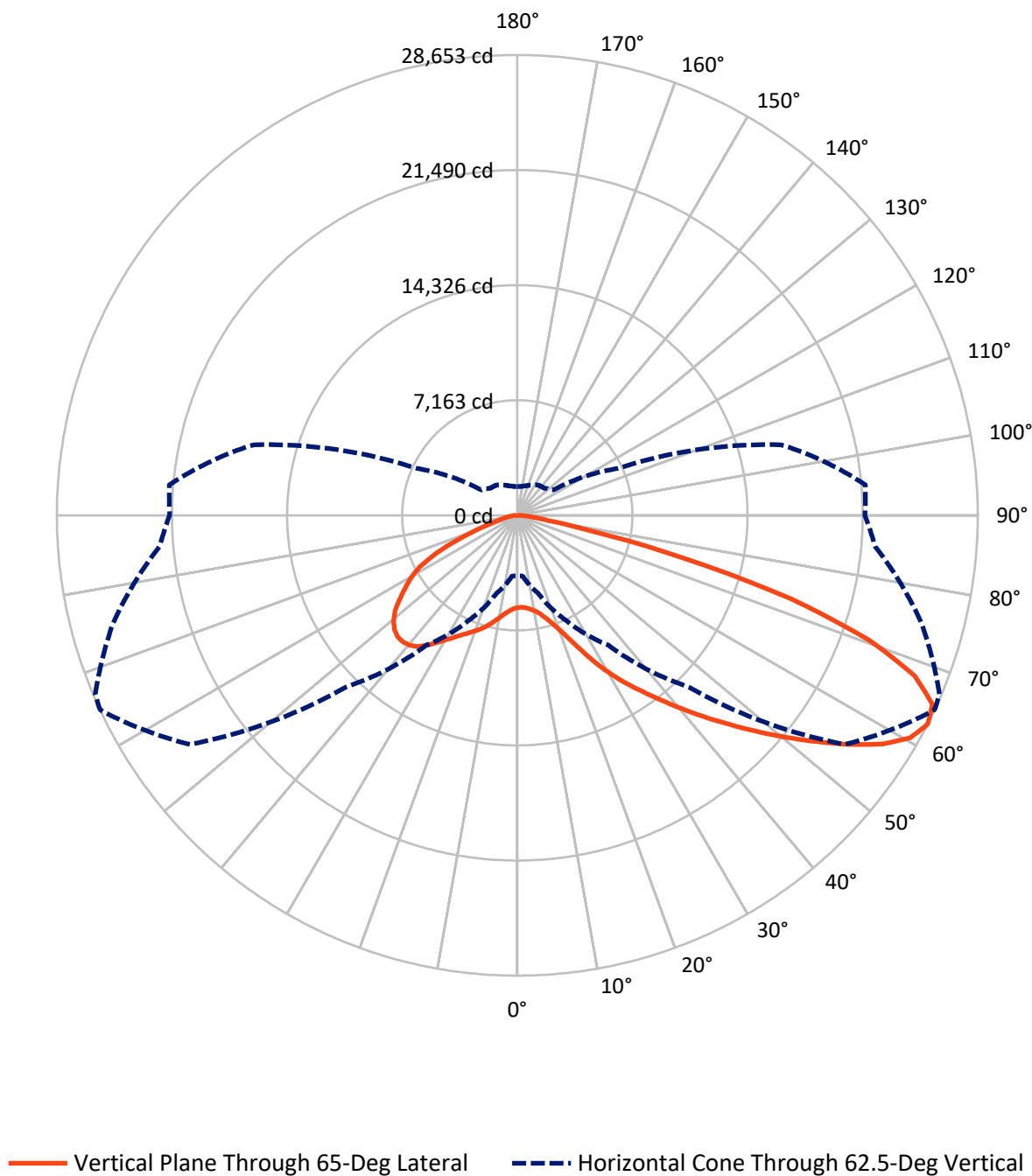
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 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    | 16438.0  | 0.0    | 16438.0 |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 35654.0  | 0.0    | 35654.0 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 52092.0  | 0.0    | 52092.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 572.3   | 1.1       |
| 10°-20°   | 1940.7  | 3.7       |
| 20°-30°   | 3935.0  | 7.6       |
| 30°-40°   | 6809.5  | 13.1      |
| 40°-50°   | 10304.9 | 19.8      |
| 50°-60°   | 12081.8 | 23.2      |
| 60°-70°   | 10129.2 | 19.4      |
| 70°-80°   | 5592.1  | 10.7      |
| 80°-90°   | 726.4   | 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°    | 52092.0 | 100.0     |
| 0°-180°   | 52092.0 | 100.0     |

**Coefficient of Utilization**



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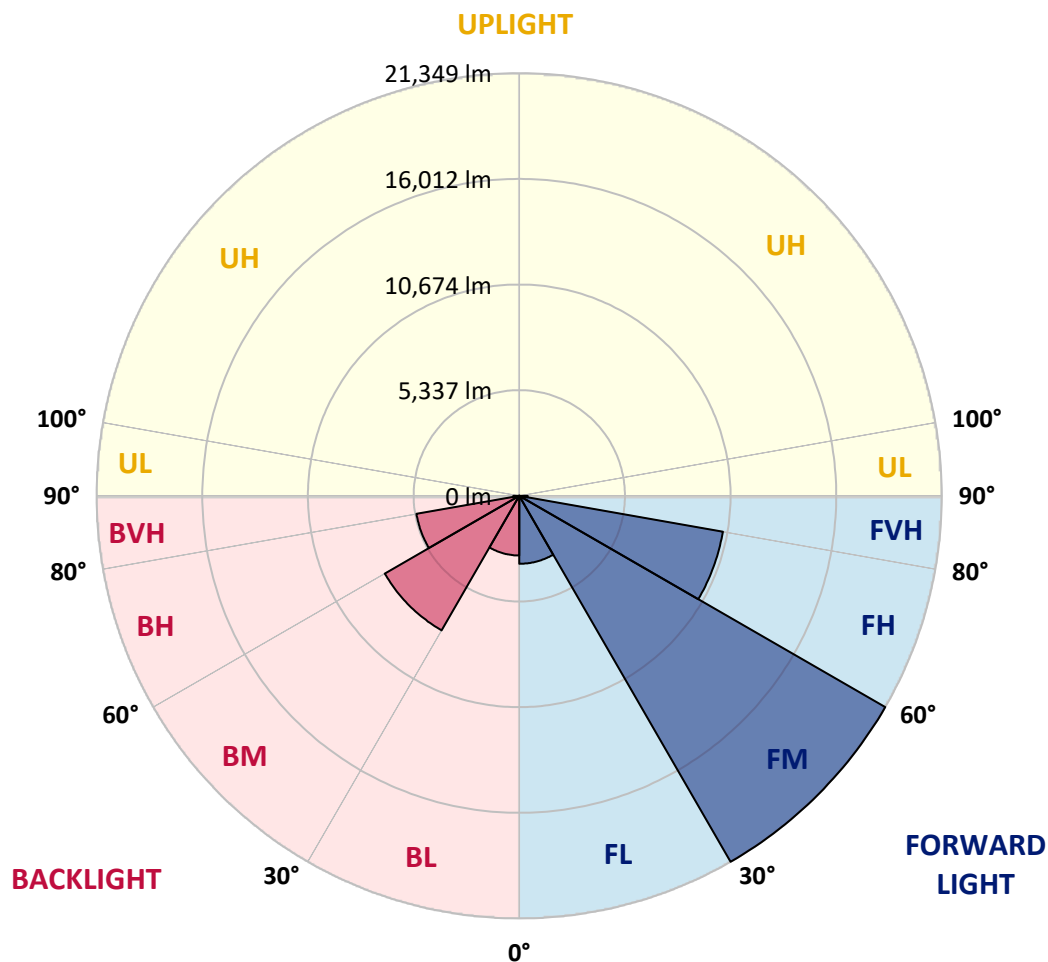
CATALOG NUMBER: GLAN-SB5D-735-U-T2U

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3433.6  | 6.6       |                         |      |          |
| FM   | (30°-60°)   | 21349.0 | 41.0      |                         |      |          |
| FH   | (60°-80°)   | 10448.1 | 20.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 423.4   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 3014.5  | 5.8       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 7847.2  | 15.1      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 5273.2  | 10.1      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 303.0   | 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°    | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3  |
| 2.5°  | 5702.5  | 5686.3  | 5699.8  | 5699.8  | 5705.2  | 5702.5  | 5721.4  | 5726.8  | 5734.9  | 5751.1  |
| 5°    | 5645.7  | 5643.0  | 5667.3  | 5689.0  | 5710.6  | 5729.5  | 5753.8  | 5789.0  | 5794.4  | 5813.3  |
| 7.5°  | 5626.8  | 5610.6  | 5648.4  | 5675.5  | 5726.8  | 5772.7  | 5837.6  | 5897.1  | 5921.4  | 5929.5  |
| 10°   | 5772.7  | 5745.7  | 5780.9  | 5797.1  | 5840.3  | 5886.3  | 5961.9  | 6056.5  | 6083.5  | 6116.0  |
| 12.5° | 6021.4  | 5991.7  | 6043.0  | 6067.3  | 6107.9  | 6148.4  | 6199.8  | 6291.6  | 6305.2  | 6364.6  |
| 15°   | 6361.9  | 6326.8  | 6359.2  | 6388.9  | 6456.5  | 6494.3  | 6545.7  | 6634.9  | 6634.9  | 6680.8  |
| 17.5° | 6824.1  | 6778.1  | 6802.4  | 6813.2  | 6856.5  | 6913.2  | 6999.7  | 7078.1  | 7118.6  | 7102.4  |
| 20°   | 7513.2  | 7456.5  | 7456.5  | 7402.4  | 7386.2  | 7432.1  | 7545.6  | 7653.8  | 7697.0  | 7613.2  |
| 22.5° | 8548.3  | 8467.2  | 8421.3  | 8237.5  | 8164.5  | 8169.9  | 8283.5  | 8415.9  | 8451.0  | 8302.4  |
| 25°   | 9864.5  | 9737.5  | 9675.3  | 9405.0  | 9240.2  | 9096.9  | 9186.1  | 9356.4  | 9405.0  | 9221.3  |
| 27.5° | 11180.6 | 11188.7 | 11129.3 | 10805.0 | 10532.0 | 10269.9 | 10223.9 | 10402.3 | 10453.6 | 10245.5 |
| 30°   | 13026.5 | 12834.6 | 12721.1 | 12331.9 | 11942.8 | 11575.2 | 11386.0 | 11459.0 | 11472.5 | 11223.9 |
| 32.5° | 14618.3 | 14569.7 | 14326.5 | 13985.9 | 13486.0 | 12910.3 | 12594.1 | 12477.9 | 12456.3 | 12102.2 |
| 35°   | 16431.8 | 16404.8 | 16148.0 | 15742.6 | 15202.1 | 14402.1 | 13831.9 | 13499.5 | 13472.4 | 12975.2 |
| 37.5° | 18274.9 | 18274.9 | 18023.6 | 17580.4 | 17020.9 | 16021.0 | 15153.5 | 14626.4 | 14540.0 | 13891.3 |
| 40°   | 19745.2 | 19656.0 | 19701.9 | 19515.4 | 18874.9 | 17812.8 | 16621.0 | 15856.1 | 15739.9 | 14961.6 |
| 42.5° | 20580.3 | 20550.5 | 20826.2 | 21034.3 | 20772.1 | 19923.5 | 18237.1 | 17188.5 | 17026.4 | 16139.9 |
| 45°   | 20766.7 | 20734.3 | 21226.2 | 21988.3 | 22355.9 | 22007.2 | 19993.8 | 18591.2 | 18393.9 | 17372.3 |
| 47.5° | 20337.0 | 20272.2 | 20993.8 | 22196.4 | 23374.7 | 23988.2 | 21896.4 | 20112.7 | 19826.2 | 18572.2 |
| 50°   | 19045.2 | 18983.0 | 20074.9 | 21672.1 | 23718.0 | 25334.1 | 23961.2 | 21726.2 | 21288.3 | 19858.7 |
| 52.5° | 16237.2 | 16266.9 | 17977.7 | 20172.2 | 23266.6 | 26171.9 | 25739.5 | 23426.1 | 22899.1 | 21174.8 |
| 55°   | 12648.1 | 12713.0 | 14815.6 | 17231.7 | 21461.3 | 26044.9 | 26953.0 | 25177.4 | 24653.1 | 22412.6 |
| 57.5° | 9056.4  | 9342.9  | 11313.1 | 13704.9 | 17993.9 | 24031.5 | 27217.8 | 26842.2 | 26334.1 | 23763.9 |
| 60°   | 5870.0  | 5921.4  | 7948.3  | 10359.0 | 13702.2 | 20453.2 | 26680.0 | 28104.3 | 27707.0 | 25142.2 |
| 62.5° | 3762.0  | 3797.1  | 5032.2  | 7245.7  | 9861.8  | 15131.8 | 24869.3 | 28652.9 | 28531.3 | 26053.0 |
| 65°   | 2764.8  | 2737.7  | 3380.9  | 4789.0  | 6643.0  | 9332.1  | 21353.2 | 28388.1 | 28628.6 | 26623.3 |
| 67.5° | 2308.0  | 2270.2  | 2586.4  | 3316.1  | 4894.4  | 5299.8  | 15799.4 | 26666.5 | 27547.6 | 26558.4 |
| 70°   | 2102.6  | 2070.2  | 2262.1  | 2462.1  | 3818.8  | 3548.5  | 7964.5  | 23182.9 | 24539.6 | 25820.6 |
| 72.5° | 1781.0  | 1724.3  | 1986.4  | 2186.4  | 2970.2  | 2721.5  | 3291.8  | 17807.4 | 19461.4 | 23455.8 |
| 75°   | 1381.0  | 1343.2  | 1567.5  | 1924.2  | 2232.3  | 2124.2  | 2081.0  | 10813.1 | 12618.4 | 18139.8 |
| 77.5° | 1094.6  | 1043.2  | 1248.6  | 1499.9  | 2008.0  | 1602.6  | 1516.2  | 4656.6  | 6445.7  | 11580.6 |
| 80°   | 824.3   | 778.3   | 948.6   | 1186.4  | 1543.2  | 1208.1  | 981.0   | 1899.9  | 2429.6  | 5867.3  |
| 82.5° | 586.5   | 545.9   | 662.1   | 870.2   | 1037.8  | 1083.7  | 602.7   | 1064.8  | 1197.2  | 2262.1  |
| 85°   | 375.7   | 351.3   | 443.2   | 545.9   | 659.4   | 697.3   | 367.6   | 556.7   | 610.8   | 932.4   |
| 87.5° | 205.4   | 167.6   | 237.8   | 254.0   | 305.4   | 278.4   | 175.7   | 202.7   | 218.9   | 337.8   |
| 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°   |
|---------|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 5740.3  | 0°    | 5740.3  | 5740.3  | 5740.3  | 5740.3  | 5740.3 | 5740.3 | 5740.3 | 5740.3 | 5740.3 | 5740.3 |
| 5751.1  | 2.5°  | 5761.9  | 5770.0  | 5797.1  | 5805.2  | 5824.1 | 5848.4 | 5864.6 | 5880.8 | 5880.8 | 5897.1 |
| 5837.6  | 5°    | 5840.3  | 5859.2  | 5916.0  | 5945.7  | 5994.4 | 6043.0 | 6072.7 | 6107.9 | 6129.5 | 6140.3 |
| 5975.4  | 7.5°  | 5991.7  | 6021.4  | 6102.5  | 6153.8  | 6237.6 | 6305.2 | 6351.1 | 6399.7 | 6410.6 | 6440.3 |
| 6167.3  | 10°   | 6197.1  | 6232.2  | 6324.1  | 6421.4  | 6521.4 | 6605.1 | 6648.4 | 6683.5 | 6697.0 | 6702.4 |
| 6413.3  | 12.5° | 6432.2  | 6483.5  | 6602.4  | 6721.4  | 6826.8 | 6899.7 | 6910.5 | 6902.4 | 6864.6 | 6832.2 |
| 6715.9  | 15°   | 6721.4  | 6767.3  | 6899.7  | 7029.5  | 7132.1 | 7145.7 | 7078.1 | 7034.9 | 6988.9 | 6980.8 |
| 7053.8  | 17.5° | 7067.3  | 7091.6  | 7213.2  | 7340.2  | 7348.4 | 7302.4 | 7202.4 | 7161.9 | 7118.6 | 7088.9 |
| 7494.3  | 20°   | 7470.0  | 7461.9  | 7548.3  | 7602.4  | 7545.6 | 7405.1 | 7253.8 | 7186.2 | 7143.0 | 7107.8 |
| 8034.8  | 22.5° | 7951.0  | 7888.9  | 7878.1  | 7864.6  | 7713.2 | 7418.6 | 7213.2 | 7126.7 | 7059.2 | 7010.5 |
| 8788.8  | 25°   | 8651.0  | 8413.2  | 8248.3  | 8156.4  | 7815.9 | 7345.7 | 7083.5 | 6891.6 | 6764.6 | 6680.8 |
| 9710.4  | 27.5° | 9526.6  | 9126.7  | 8710.5  | 8486.1  | 7815.9 | 7197.0 | 6770.0 | 6459.2 | 6251.1 | 6164.6 |
| 10602.3 | 30°   | 10361.8 | 9942.8  | 9329.4  | 8883.4  | 7797.0 | 6953.8 | 6264.6 | 5832.2 | 5589.0 | 5502.5 |
| 11364.4 | 32.5° | 11075.2 | 10618.5 | 9986.1  | 9318.5  | 7751.0 | 6559.2 | 5637.6 | 5159.3 | 4924.1 | 4821.4 |
| 12118.4 | 35°   | 11737.4 | 11250.9 | 10645.5 | 9796.9  | 7629.4 | 5980.8 | 4948.5 | 4583.6 | 4321.4 | 4156.6 |
| 12886.0 | 37.5° | 12415.7 | 11837.4 | 11269.8 | 10229.3 | 7410.5 | 5305.2 | 4418.7 | 4107.9 | 3799.8 | 3578.2 |
| 13702.2 | 40°   | 13153.5 | 12461.7 | 11937.4 | 10486.1 | 7051.1 | 4662.0 | 4007.9 | 3724.2 | 3397.2 | 3162.0 |
| 14642.7 | 42.5° | 14015.7 | 13210.3 | 12680.6 | 10618.5 | 6559.2 | 4205.2 | 3740.4 | 3462.0 | 3153.9 | 2962.0 |
| 15650.7 | 45°   | 14915.6 | 14034.6 | 13358.9 | 10615.8 | 6010.6 | 3991.7 | 3653.9 | 3378.2 | 3037.7 | 2837.7 |
| 16685.8 | 47.5° | 15858.8 | 14896.7 | 13945.4 | 10442.8 | 5534.9 | 4021.5 | 3605.3 | 3197.2 | 2821.5 | 2626.9 |
| 17731.7 | 50°   | 16804.7 | 15839.9 | 14512.9 | 10118.5 | 5332.2 | 3956.6 | 3424.2 | 2943.1 | 2499.9 | 2324.2 |
| 18712.8 | 52.5° | 17742.5 | 16842.6 | 15002.1 | 9656.4  | 5126.8 | 3716.1 | 3191.8 | 2613.4 | 2367.5 | 2245.9 |
| 19726.2 | 55°   | 18685.7 | 17834.4 | 15534.5 | 8983.4  | 4613.3 | 3435.0 | 2802.6 | 2489.1 | 2262.1 | 2151.3 |
| 20718.1 | 57.5° | 19631.7 | 18980.3 | 16039.9 | 8310.5  | 3967.4 | 3089.1 | 2589.1 | 2337.7 | 2156.7 | 2062.1 |
| 21547.8 | 60°   | 20615.4 | 20291.1 | 16561.5 | 7691.6  | 3329.6 | 2645.8 | 2432.3 | 2216.1 | 2032.4 | 1927.0 |
| 22345.1 | 62.5° | 21628.9 | 21734.3 | 16969.6 | 6894.3  | 2743.1 | 2375.6 | 2291.8 | 2070.2 | 1891.8 | 1791.8 |
| 23004.5 | 65°   | 22650.5 | 23126.1 | 17237.2 | 5789.0  | 2224.2 | 2118.8 | 2140.5 | 1910.7 | 1729.7 | 1643.2 |
| 23488.3 | 67.5° | 23420.7 | 24128.8 | 17161.5 | 4380.9  | 1824.3 | 1875.6 | 1951.3 | 1743.2 | 1572.9 | 1505.3 |
| 23409.9 | 70°   | 23507.2 | 24009.9 | 16415.6 | 2999.9  | 1527.0 | 1637.8 | 1740.5 | 1578.3 | 1402.6 | 1354.0 |
| 22307.2 | 72.5° | 22355.9 | 22388.3 | 14337.3 | 1959.4  | 1291.8 | 1437.8 | 1518.9 | 1410.8 | 1240.5 | 1191.8 |
| 19515.4 | 75°   | 19337.1 | 18515.5 | 10526.6 | 1291.8  | 1081.0 | 1235.1 | 1310.8 | 1235.1 | 1070.2 | 1081.0 |
| 14602.1 | 77.5° | 14650.8 | 13113.0 | 6391.6  | 918.9   | 902.7  | 1037.8 | 1140.5 | 1086.4 | 945.9  | 1062.1 |
| 7343.0  | 80°   | 7548.3  | 7094.3  | 2851.2  | 686.5   | 713.5  | 829.7  | 937.8  | 867.5  | 748.6  | 713.5  |
| 1640.5  | 82.5° | 1729.7  | 2010.7  | 1124.3  | 491.9   | 516.2  | 597.3  | 716.2  | 651.3  | 537.8  | 454.0  |
| 683.8   | 85°   | 605.4   | 662.1   | 497.3   | 308.1   | 302.7  | 373.0  | 486.5  | 435.1  | 364.9  | 291.9  |
| 289.2   | 87.5° | 191.9   | 251.3   | 186.5   | 124.3   | 129.7  | 167.6  | 224.3  | 205.4  | 170.3  | 110.8  |
| 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°   |
|--------|
| 5740.3 |
| 5897.1 |
| 6145.7 |
| 6429.5 |
| 6688.9 |
| 6832.2 |
| 6980.8 |
| 7091.6 |
| 7110.5 |
| 7026.7 |
| 6713.2 |
| 6207.9 |
| 5553.8 |
| 4872.8 |
| 4210.6 |
| 3637.7 |
| 3208.0 |
| 2999.9 |
| 2870.2 |
| 2653.9 |
| 2335.0 |
| 2245.9 |
| 2140.5 |
| 2045.9 |
| 1918.8 |
| 1789.1 |
| 1640.5 |
| 1508.0 |
| 1356.7 |
| 1189.1 |
| 1043.2 |
| 935.1  |
| 651.3  |
| 448.6  |
| 308.1  |
| 116.2  |
| 0.0    |