

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: P956176

Luminaire Tested: **GLAN-SB8D-930-U-SL2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956176  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-930-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 56895 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 584.9  
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

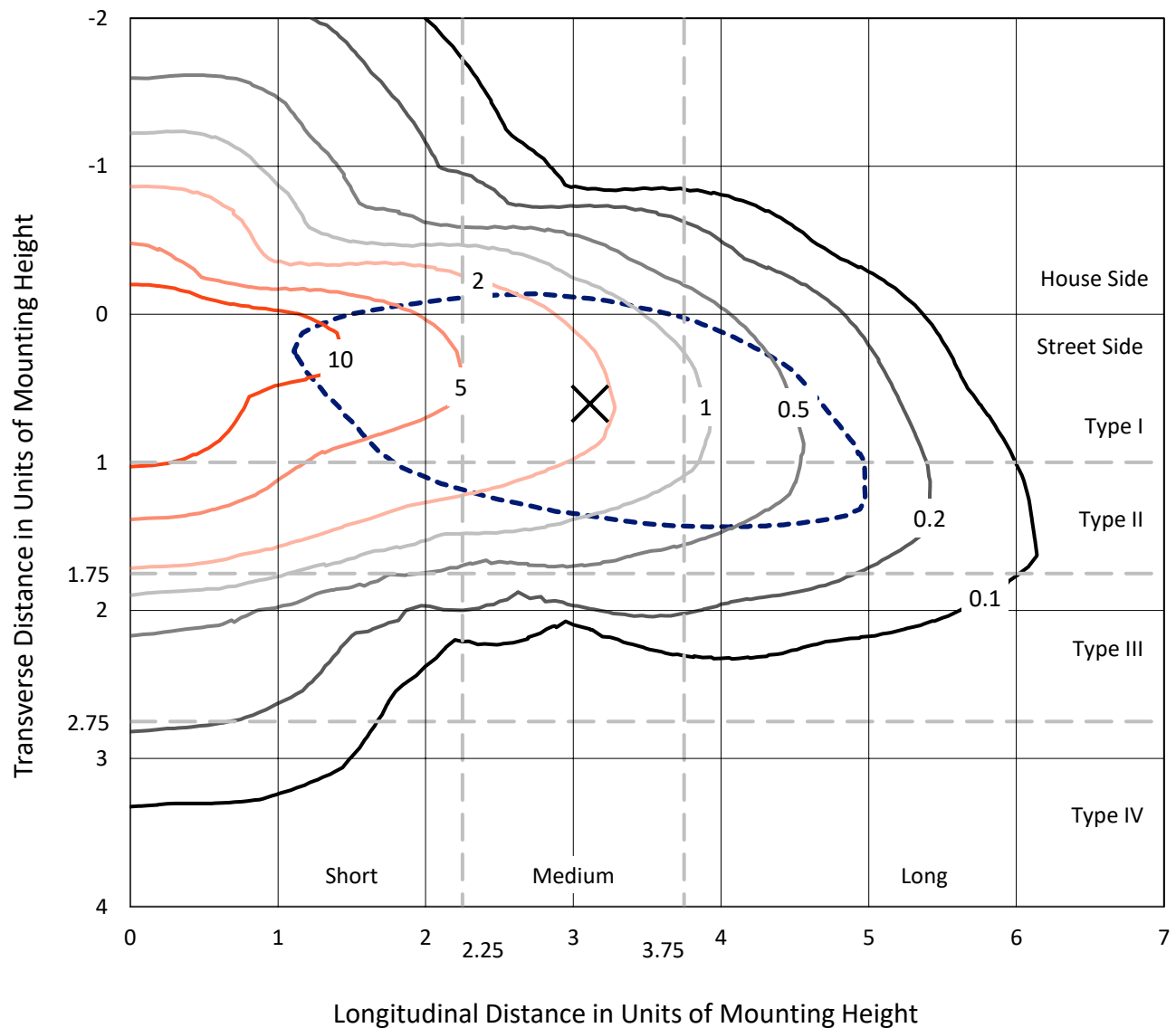


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## Iso-Footcandle Lines of Horizontal Illumination

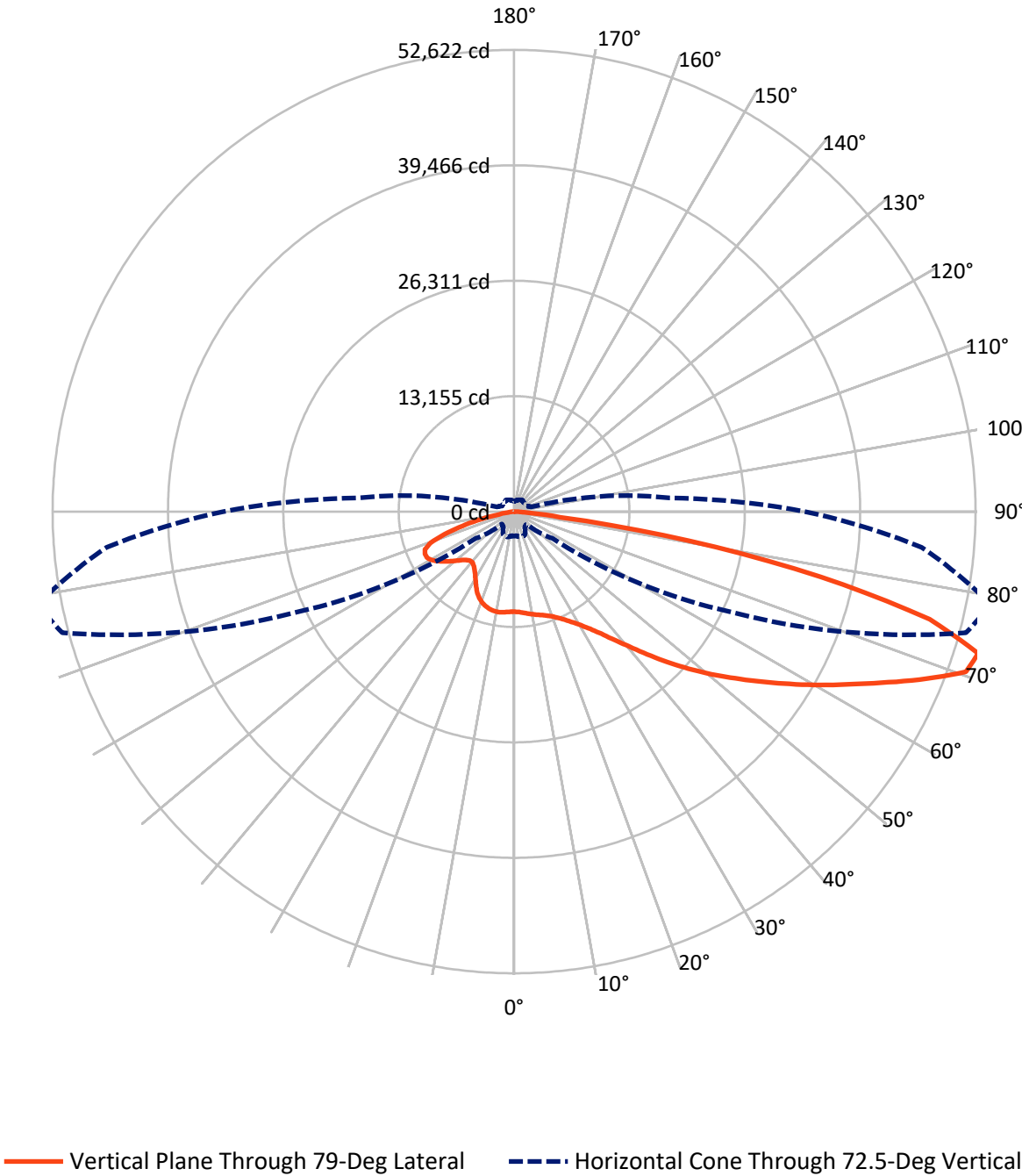
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc  
Type II - 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    | 12520.0  | 0.0    | 12520.0 |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 44375.0  | 0.0    | 44375.0 |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 56895.0  | 0.0    | 56895.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1036.7  | 1.8       |
| 10°-20°   | 2710.5  | 4.8       |
| 20°-30°   | 4373.6  | 7.7       |
| 30°-40°   | 6564.2  | 11.5      |
| 40°-50°   | 9311.6  | 16.4      |
| 50°-60°   | 11759.3 | 20.7      |
| 60°-70°   | 11943.2 | 21.0      |
| 70°-80°   | 8139.8  | 14.3      |
| 80°-90°   | 1056.1  | 1.9       |
| 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°    | 56895.0 | 100.0     |
| 0°-180°   | 56895.0 | 100.0     |

**Coefficient of Utilization**



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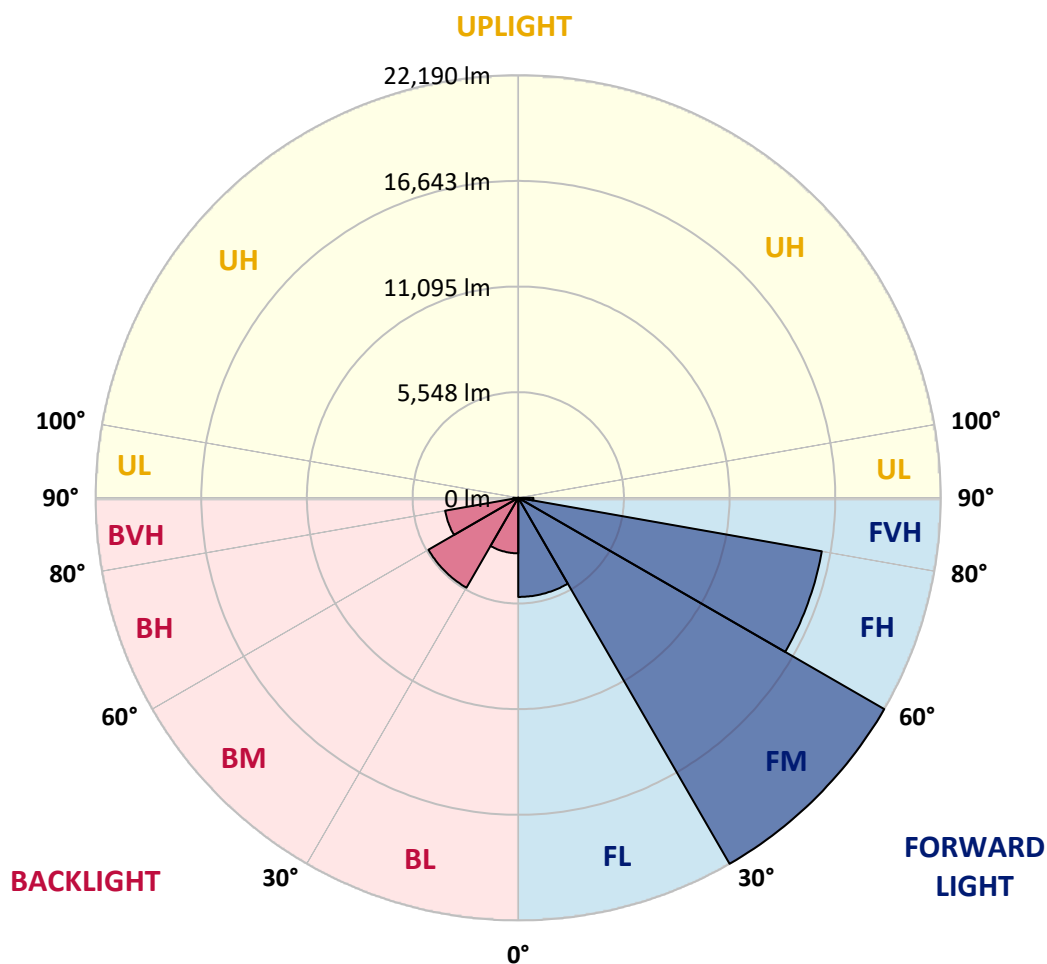
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5204.5  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 22190.2 | 39.0      |                         |      |         |
| FH   | (60°-80°)   | 16184.7 | 28.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 795.5   | 1.4       |                         |      | G5      |
| BL   | (0°-30°)    | 2916.3  | 5.1       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5444.9  | 9.6       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3898.3  | 6.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 260.5   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 |
| 2.5°  | 11427.1 | 11373.0 | 11406.1 | 11394.0 | 11409.1 | 11427.1 | 11433.2 | 11442.2 | 11472.3 | 11469.3 |
| 5°    | 11403.1 | 11348.9 | 11394.0 | 11379.0 | 11418.1 | 11460.3 | 11496.4 | 11529.5 | 11577.6 | 11598.7 |
| 7.5°  | 11351.9 | 11315.8 | 11360.9 | 11406.1 | 11478.3 | 11541.5 | 11592.7 | 11667.9 | 11737.1 | 11749.2 |
| 10°   | 11054.0 | 11026.9 | 11132.2 | 11249.6 | 11448.2 | 11619.8 | 11731.1 | 11818.4 | 11893.6 | 11905.7 |
| 12.5° | 10744.0 | 10710.9 | 10828.3 | 10987.8 | 11309.8 | 11619.8 | 11854.5 | 11968.9 | 12035.1 | 12074.2 |
| 15°   | 10692.8 | 10665.7 | 10732.0 | 10870.4 | 11138.2 | 11538.5 | 11938.8 | 12149.4 | 12206.6 | 12251.8 |
| 17.5° | 10939.6 | 10888.4 | 10915.5 | 10963.7 | 11120.2 | 11463.3 | 12005.0 | 12354.1 | 12441.4 | 12489.5 |
| 20°   | 11511.4 | 11439.2 | 11397.1 | 11300.7 | 11273.7 | 11475.3 | 11999.0 | 12600.9 | 12715.2 | 12775.4 |
| 22.5° | 12272.8 | 12224.7 | 12134.4 | 11890.6 | 11625.8 | 11622.8 | 12113.3 | 12916.9 | 13130.5 | 13187.7 |
| 25°   | 13193.7 | 13121.5 | 13007.1 | 12676.1 | 12167.5 | 11914.7 | 12305.9 | 13320.1 | 13678.3 | 13693.3 |
| 27.5° | 14253.1 | 14144.7 | 13988.3 | 13551.9 | 12865.7 | 12372.1 | 12600.9 | 13783.6 | 14307.3 | 14301.2 |
| 30°   | 15369.6 | 15261.3 | 15095.8 | 14566.1 | 13702.3 | 12989.1 | 13010.2 | 14283.2 | 15053.6 | 15020.5 |
| 32.5° | 16185.2 | 16103.9 | 16070.8 | 15661.5 | 14665.4 | 13717.4 | 13479.6 | 14836.9 | 15974.5 | 15944.4 |
| 35°   | 16811.2 | 16705.8 | 16745.0 | 16537.3 | 15715.7 | 14533.0 | 14054.5 | 15496.0 | 17094.1 | 17091.1 |
| 37.5° | 17431.1 | 17337.8 | 17371.0 | 17232.5 | 16687.8 | 15568.2 | 14755.7 | 16302.6 | 18481.5 | 18547.7 |
| 40°   | 17996.9 | 17897.6 | 18030.0 | 17900.6 | 17443.2 | 16669.7 | 15553.2 | 17214.5 | 20088.5 | 20214.9 |
| 42.5° | 18337.0 | 18258.8 | 18478.5 | 18481.5 | 18099.3 | 17599.7 | 16429.0 | 18219.6 | 21948.4 | 22231.3 |
| 45°   | 18454.4 | 18427.3 | 18758.3 | 18827.6 | 18680.1 | 18138.4 | 17217.5 | 19315.1 | 23952.8 | 24458.4 |
| 47.5° | 18328.0 | 18276.8 | 18734.3 | 18990.1 | 19107.4 | 18391.2 | 17870.5 | 20500.9 | 25999.2 | 26739.6 |
| 50°   | 17690.0 | 17590.6 | 18270.8 | 18809.5 | 19227.8 | 18556.7 | 18529.6 | 21870.2 | 28325.6 | 29135.2 |
| 52.5° | 16543.3 | 16468.1 | 17241.5 | 18177.5 | 18963.0 | 18638.0 | 19270.0 | 23365.9 | 30534.6 | 31581.9 |
| 55°   | 15077.7 | 14978.4 | 15830.1 | 17051.9 | 18303.9 | 18610.9 | 20010.3 | 25039.2 | 33140.8 | 34203.2 |
| 57.5° | 12754.3 | 12555.7 | 13633.1 | 15077.7 | 17229.5 | 18577.8 | 20780.7 | 26703.5 | 35789.2 | 37062.2 |
| 60°   | 9365.6  | 9070.7  | 10391.9 | 12104.3 | 15128.9 | 18255.8 | 21734.8 | 28569.4 | 38967.3 | 40113.9 |
| 62.5° | 5453.3  | 5281.7  | 6145.4  | 7743.5  | 11403.1 | 16359.8 | 22270.5 | 30739.2 | 42091.2 | 43295.0 |
| 65°   | 4234.4  | 4186.2  | 4261.5  | 4384.9  | 6347.1  | 12248.7 | 20618.2 | 32854.9 | 46063.7 | 46906.4 |
| 67.5° | 3873.3  | 3837.1  | 3870.2  | 3638.5  | 3220.2  | 6822.6  | 16311.6 | 33390.6 | 50319.2 | 50830.8 |
| 70°   | 3442.9  | 3400.8  | 3509.1  | 3310.5  | 2534.0  | 3102.8  | 10539.3 | 31446.5 | 53704.9 | 54664.9 |
| 72.5° | 2804.9  | 2756.7  | 3009.5  | 2919.2  | 2133.8  | 1992.3  | 5293.7  | 26826.9 | 53349.8 | 55342.1 |
| 75°   | 2154.8  | 2127.7  | 2428.7  | 2503.9  | 1739.5  | 1568.0  | 2540.0  | 19941.1 | 46948.5 | 48955.9 |
| 77.5° | 1673.3  | 1652.2  | 1805.7  | 2079.6  | 1402.4  | 1215.8  | 1561.9  | 12649.0 | 35379.9 | 35732.0 |
| 80°   | 1255.0  | 1194.8  | 1336.2  | 1610.1  | 1092.5  | 887.8   | 1059.4  | 7376.3  | 22363.7 | 20272.1 |
| 82.5° | 785.5   | 755.4   | 872.8   | 1074.4  | 770.4   | 610.9   | 689.2   | 4074.9  | 8962.4  | 5278.7  |
| 85°   | 448.4   | 436.4   | 475.5   | 613.9   | 418.3   | 352.1   | 394.2   | 1799.7  | 1637.2  | 1125.6  |
| 87.5° | 180.6   | 174.6   | 216.7   | 273.9   | 153.5   | 129.4   | 138.4   | 433.4   | 361.1   | 334.1   |
| 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°    |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 11421.1 | 0°    | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 | 11421.1 |
| 11466.3 | 2.5°  | 11454.2 | 11454.2 | 11412.1 | 11345.9 | 11270.7 | 11222.5 | 11144.3 | 11123.2 | 11041.9 | 11017.9 |
| 11568.6 | 5°    | 11592.7 | 11568.6 | 11439.2 | 11252.6 | 10996.8 | 10762.0 | 10503.2 | 10340.7 | 10112.0 | 10030.7 |
| 11770.2 | 7.5°  | 11767.2 | 11701.0 | 11478.3 | 11069.0 | 10533.3 | 10006.7 | 9458.9  | 9043.6  | 8646.4  | 8504.9  |
| 11935.8 | 10°   | 11926.7 | 11833.4 | 11454.2 | 10738.0 | 9811.0  | 8899.2  | 8026.4  | 7415.5  | 6952.0  | 6762.4  |
| 12119.3 | 12.5° | 12086.2 | 11914.7 | 11294.7 | 10187.2 | 8784.8  | 7547.9  | 6617.9  | 6142.4  | 5856.5  | 5627.8  |
| 12269.8 | 15°   | 12236.7 | 11995.9 | 11047.9 | 9449.9  | 7659.2  | 6404.3  | 5718.1  | 5338.9  | 5110.2  | 4959.7  |
| 12489.5 | 17.5° | 12411.3 | 12065.2 | 10677.8 | 8513.9  | 6587.8  | 5612.8  | 5053.0  | 4824.3  | 4779.1  | 4761.1  |
| 12790.5 | 20°   | 12655.0 | 12128.4 | 10190.2 | 7466.6  | 5799.3  | 4980.8  | 4691.8  | 4670.8  | 4667.8  | 4658.7  |
| 13151.6 | 22.5° | 12916.9 | 12203.6 | 9546.2  | 6515.6  | 5128.2  | 4586.5  | 4535.3  | 4493.2  | 4466.1  | 4463.1  |
| 13588.0 | 25°   | 13226.8 | 12227.7 | 8739.6  | 5736.1  | 4556.4  | 4399.9  | 4339.7  | 4276.5  | 4258.5  | 4258.5  |
| 14084.6 | 27.5° | 13527.8 | 12146.4 | 7800.7  | 5059.0  | 4234.4  | 4228.4  | 4150.1  | 4129.1  | 4126.1  | 4135.1  |
| 14650.3 | 30°   | 13828.7 | 11992.9 | 6867.7  | 4433.0  | 4047.8  | 4047.8  | 4020.7  | 4035.8  | 4047.8  | 4077.9  |
| 15426.8 | 32.5° | 14235.0 | 11830.4 | 6088.3  | 3969.6  | 3885.3  | 3855.2  | 3882.3  | 3912.4  | 3924.4  | 3963.5  |
| 16447.0 | 35°   | 14830.9 | 11716.1 | 5468.3  | 3716.8  | 3716.8  | 3677.6  | 3692.7  | 3686.7  | 3659.6  | 3641.5  |
| 17680.9 | 37.5° | 15619.4 | 11710.0 | 4956.7  | 3599.4  | 3575.3  | 3569.3  | 3572.3  | 3533.2  | 3427.8  | 3301.4  |
| 19173.7 | 40°   | 16567.4 | 11872.6 | 4562.4  | 3518.1  | 3500.1  | 3536.2  | 3518.1  | 3412.8  | 3123.9  | 2904.2  |
| 21009.5 | 42.5° | 17840.4 | 12336.0 | 4309.6  | 3418.8  | 3473.0  | 3518.1  | 3445.9  | 3081.7  | 2886.1  | 2738.7  |
| 23101.1 | 45°   | 19339.2 | 13088.4 | 4180.2  | 3313.5  | 3421.8  | 3476.0  | 3126.9  | 2967.4  | 2810.9  | 2633.3  |
| 25382.3 | 47.5° | 21036.5 | 14036.4 | 4150.1  | 3214.2  | 3307.5  | 3340.6  | 2991.5  | 2919.2  | 2741.7  | 2549.1  |
| 27675.6 | 50°   | 22884.4 | 15159.0 | 4231.4  | 3096.8  | 3141.9  | 3027.6  | 2946.3  | 2880.1  | 2696.5  | 2506.9  |
| 30026.0 | 52.5° | 24795.4 | 16395.9 | 4393.9  | 2937.3  | 2976.4  | 2850.0  | 2928.3  | 2871.1  | 2669.4  | 2413.6  |
| 32454.7 | 55°   | 26673.4 | 17641.8 | 4550.4  | 2750.7  | 2807.9  | 2690.5  | 2877.1  | 2835.0  | 2546.1  | 2257.1  |
| 35045.9 | 57.5° | 28581.4 | 18881.7 | 4703.9  | 2585.2  | 2645.4  | 2537.0  | 2795.8  | 2738.7  | 2407.6  | 2112.7  |
| 37874.8 | 60°   | 30564.7 | 20085.5 | 4776.1  | 2425.7  | 2467.8  | 2395.6  | 2672.5  | 2573.1  | 2251.1  | 1965.2  |
| 40655.6 | 62.5° | 32421.6 | 21087.7 | 4658.7  | 2266.2  | 2293.3  | 2263.2  | 2509.9  | 2377.5  | 2094.6  | 1799.7  |
| 43553.8 | 65°   | 34284.5 | 21683.6 | 4297.6  | 2109.7  | 2115.7  | 2100.6  | 2281.2  | 2166.9  | 1911.0  | 1655.2  |
| 46090.8 | 67.5° | 35972.8 | 22017.7 | 3722.8  | 1941.1  | 1926.1  | 1920.1  | 2067.5  | 1938.1  | 1733.5  | 1510.8  |
| 48019.9 | 70°   | 36330.9 | 21169.0 | 2844.0  | 1742.5  | 1742.5  | 1727.5  | 1832.8  | 1700.4  | 1537.9  | 1357.3  |
| 46638.5 | 72.5° | 33183.0 | 17807.3 | 2019.4  | 1516.8  | 1540.9  | 1510.8  | 1598.1  | 1486.7  | 1339.2  | 1218.9  |
| 40195.2 | 75°   | 26757.6 | 13058.3 | 1468.6  | 1285.1  | 1327.2  | 1276.0  | 1357.3  | 1279.0  | 1152.6  | 1149.6  |
| 27699.6 | 77.5° | 18385.2 | 8074.5  | 1065.4  | 1059.4  | 1089.4  | 1023.2  | 1116.5  | 1074.4  | 960.0   | 908.9   |
| 12056.1 | 80°   | 7845.8  | 3220.2  | 776.5   | 818.6   | 818.6   | 758.4   | 866.7   | 878.8   | 779.5   | 755.4   |
| 2326.4  | 82.5° | 1561.9  | 914.9   | 544.7   | 562.8   | 529.7   | 511.6   | 613.9   | 680.2   | 939.0   | 1044.3  |
| 701.2   | 85°   | 469.5   | 337.1   | 328.0   | 307.0   | 270.9   | 273.9   | 361.1   | 683.2   | 842.7   | 481.5   |
| 231.7   | 87.5° | 129.4   | 84.3    | 87.3    | 69.2    | 57.2    | 75.2    | 123.4   | 517.6   | 282.9   | 120.4   |
| 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°    |
|---------|
| 11421.1 |
| 11057.0 |
| 10090.9 |
| 8523.0  |
| 6804.5  |
| 5703.0  |
| 4986.8  |
| 4773.1  |
| 4688.8  |
| 4496.2  |
| 4276.5  |
| 4159.2  |
| 4099.0  |
| 3996.6  |
| 3683.7  |
| 3304.5  |
| 2898.2  |
| 2732.6  |
| 2621.3  |
| 2534.0  |
| 2485.9  |
| 2395.6  |
| 2242.1  |
| 2106.7  |
| 1956.2  |
| 1796.7  |
| 1637.2  |
| 1492.7  |
| 1351.3  |
| 1182.7  |
| 1035.3  |
| 851.7   |
| 755.4   |
| 1047.3  |
| 415.3   |
| 102.3   |
| 0.0     |