

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: P952156

Luminaire Tested: **GLAN-SB6A-830-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-830-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25092 lumens  
Efficiency: N/A  
Efficacy: 146.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

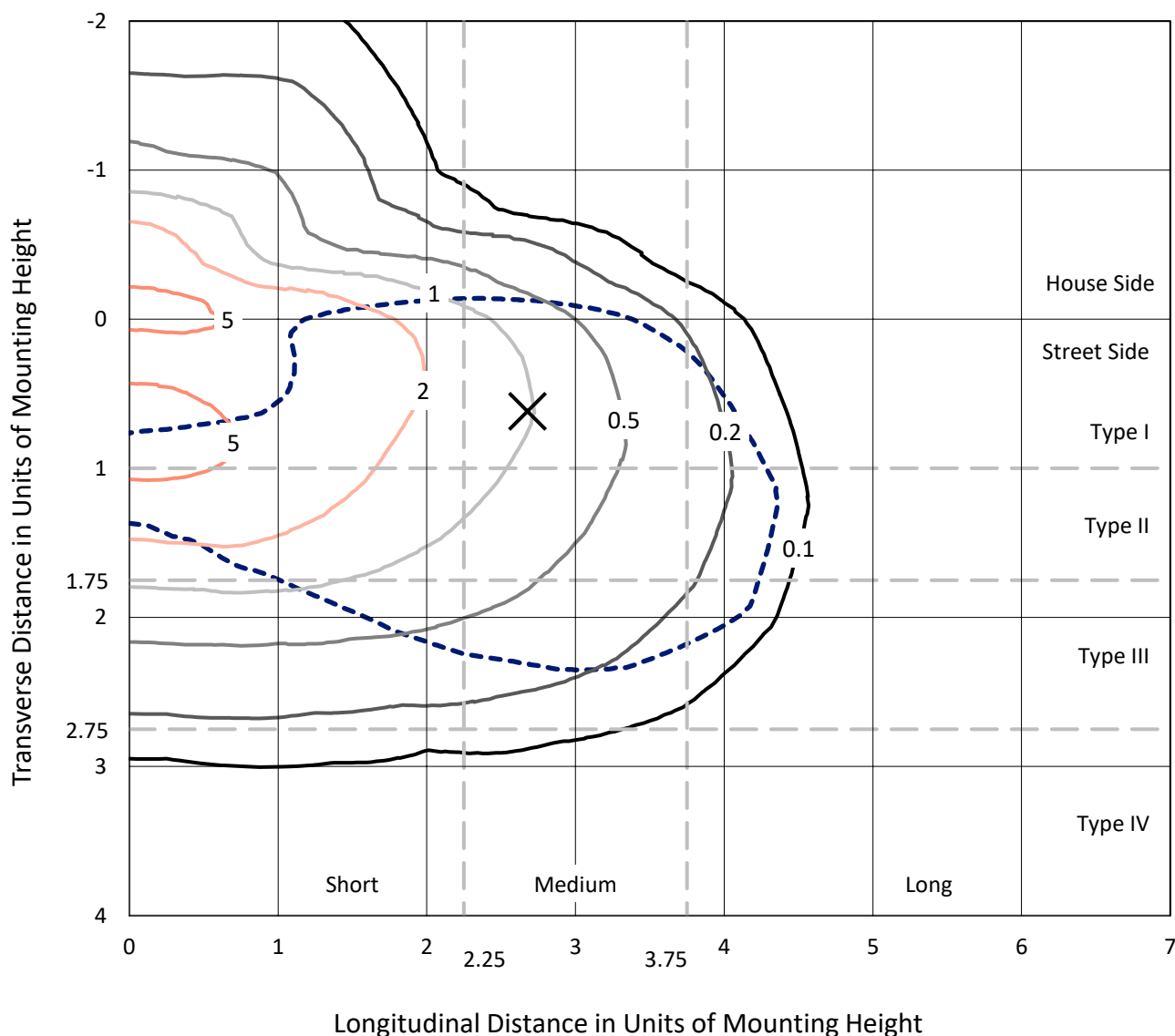
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

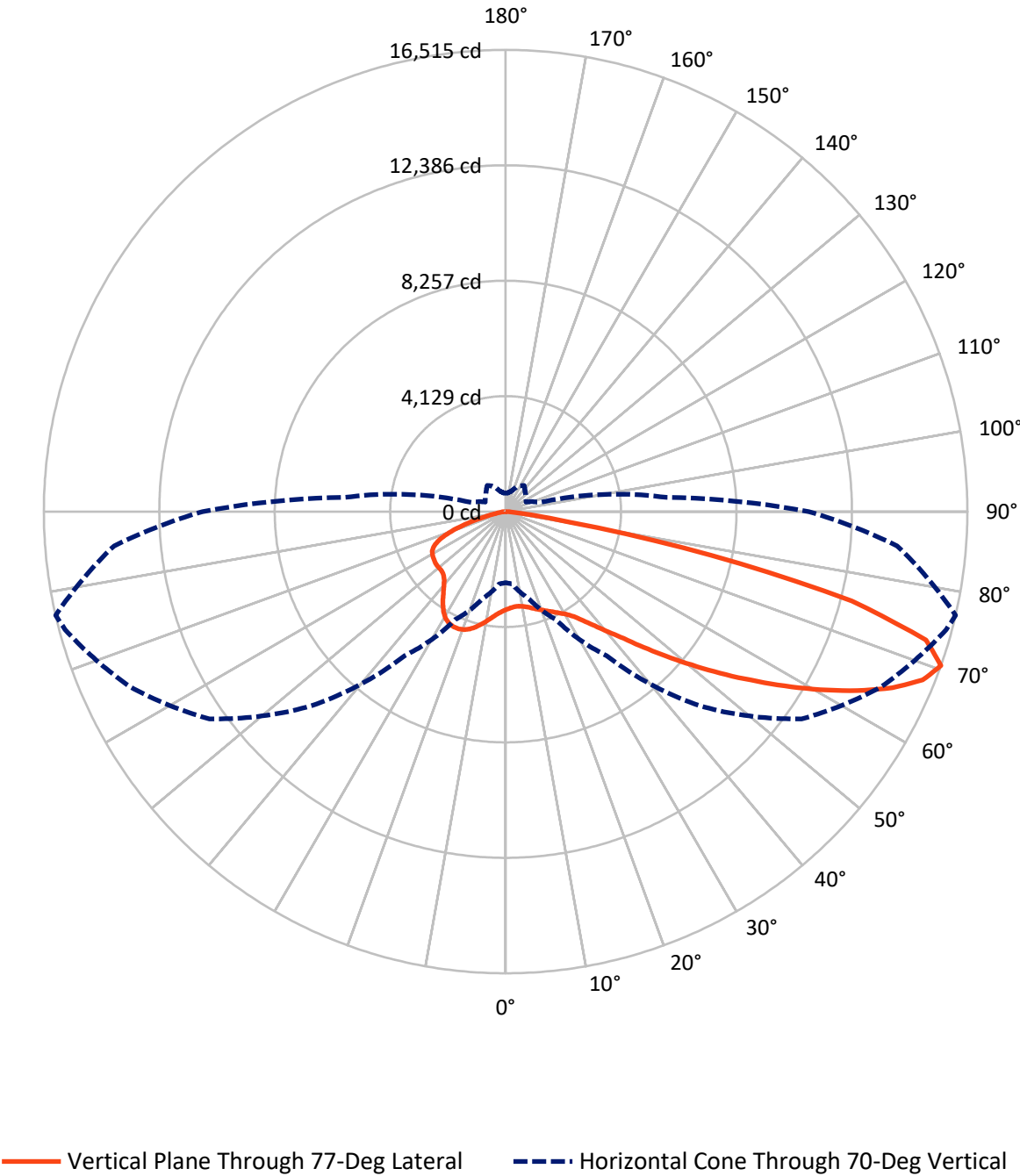
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - 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    | 5494.8   | 0.0    | 5494.8  |
|                    | % Fixture | 21.9     | 0.0    | 21.9    |
| <b>Street Side</b> | Lumens    | 19597.2  | 0.0    | 19597.2 |
|                    | % Fixture | 78.1     | 0.0    | 78.1    |
| <b>Total</b>       | Lumens    | 25092.0  | 0.0    | 25092.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 333.9   | 1.3       |
| 10°-20°   | 963.6   | 3.8       |
| 20°-30°   | 1647.8  | 6.6       |
| 30°-40°   | 2649.8  | 10.6      |
| 40°-50°   | 4137.1  | 16.5      |
| 50°-60°   | 5526.2  | 22.0      |
| 60°-70°   | 5890.0  | 23.5      |
| 70°-80°   | 3625.9  | 14.5      |
| 80°-90°   | 317.7   | 1.3       |
| 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°    | 25092.0 | 100.0     |
| 0°-180°   | 25092.0 | 100.0     |

**Coefficient of Utilization**



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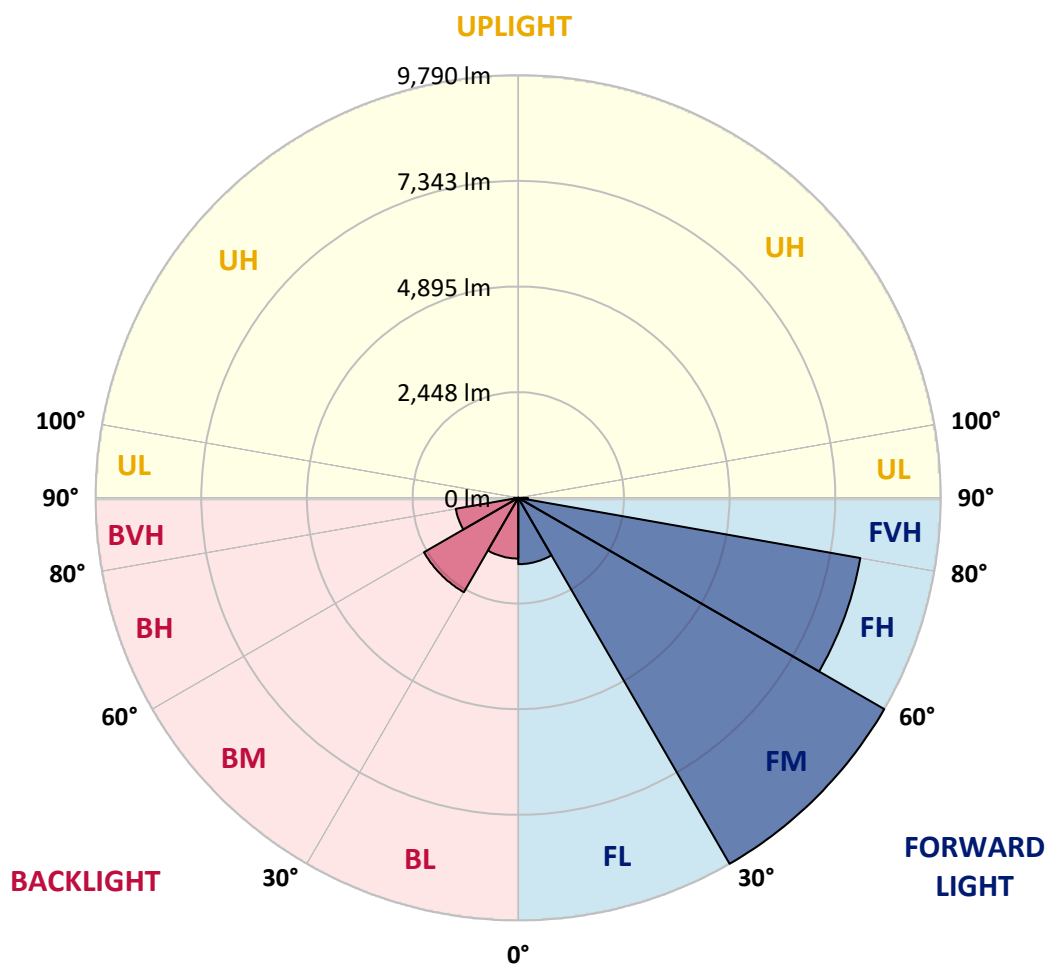
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1537.3 | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 9790.4 | 39.0      |                         |      |          |
| FH   | (60°-80°)   | 8047.4 | 32.1      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 222.2  | 0.9       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1407.9 | 5.6       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2522.8 | 10.1      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1468.5 | 5.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 95.6   | 0.4       |                         |      | G1/100   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3500.6 | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  | 3500.6  |
| 2.5°  | 3226.8 | 3225.6  | 3242.3  | 3247.4  | 3278.2  | 3300.1  | 3341.2  | 3384.9  | 3441.4  | 3447.9  |
| 5°    | 3040.5 | 3040.5  | 3059.8  | 3080.3  | 3120.2  | 3163.9  | 3226.8  | 3302.7  | 3400.3  | 3415.7  |
| 7.5°  | 2882.4 | 2892.7  | 2909.4  | 2949.3  | 2995.5  | 3058.5  | 3154.9  | 3262.8  | 3391.3  | 3415.7  |
| 10°   | 2755.2 | 2766.8  | 2787.3  | 2819.5  | 2888.9  | 2976.2  | 3102.2  | 3241.0  | 3413.2  | 3451.7  |
| 12.5° | 2715.4 | 2726.9  | 2738.5  | 2762.9  | 2827.2  | 2930.0  | 3080.3  | 3251.3  | 3465.9  | 3504.4  |
| 15°   | 2807.9 | 2822.0  | 2813.0  | 2806.6  | 2840.0  | 2933.8  | 3090.6  | 3288.5  | 3531.4  | 3586.7  |
| 17.5° | 3021.2 | 3026.4  | 3005.8  | 2945.4  | 2940.3  | 2990.4  | 3139.5  | 3339.9  | 3613.7  | 3674.0  |
| 20°   | 3365.6 | 3356.6  | 3314.2  | 3194.7  | 3126.6  | 3116.3  | 3223.0  | 3417.0  | 3698.5  | 3762.7  |
| 22.5° | 3833.4 | 3823.1  | 3738.3  | 3549.4  | 3397.8  | 3297.5  | 3343.8  | 3517.3  | 3793.6  | 3865.5  |
| 25°   | 4416.8 | 4402.7  | 4278.0  | 4021.0  | 3785.9  | 3537.8  | 3508.3  | 3649.6  | 3910.5  | 3977.3  |
| 27.5° | 5097.9 | 5086.4  | 4951.4  | 4612.2  | 4272.9  | 3866.8  | 3712.6  | 3805.1  | 4032.6  | 4108.4  |
| 30°   | 5830.4 | 5863.8  | 5624.8  | 5259.8  | 4830.6  | 4296.0  | 3987.6  | 3996.6  | 4190.7  | 4258.8  |
| 32.5° | 6691.4 | 6749.2  | 6461.4  | 5998.8  | 5412.8  | 4762.5  | 4334.6  | 4263.9  | 4420.7  | 4477.2  |
| 35°   | 7544.7 | 7610.3  | 7371.2  | 6859.8  | 6185.1  | 5312.5  | 4697.0  | 4571.0  | 4726.5  | 4788.2  |
| 37.5° | 8282.4 | 8369.7  | 8246.4  | 7801.7  | 7011.4  | 5975.6  | 5169.9  | 4932.1  | 5103.1  | 5180.2  |
| 40°   | 8864.5 | 8998.1  | 8989.1  | 8711.6  | 7985.5  | 6780.1  | 5770.0  | 5378.1  | 5570.8  | 5654.4  |
| 42.5° | 9337.4 | 9453.1  | 9553.3  | 9539.2  | 9002.0  | 7693.8  | 6475.5  | 5957.6  | 6104.1  | 6200.5  |
| 45°   | 9663.8 | 9787.2  | 10003.1 | 10235.7 | 9979.9  | 8671.7  | 7283.8  | 6645.2  | 6778.8  | 6924.0  |
| 47.5° | 9955.5 | 10095.6 | 10375.8 | 10744.6 | 10810.1 | 9653.5  | 8169.3  | 7445.8  | 7567.8  | 7718.2  |
| 50°   | 9981.2 | 10102.0 | 10536.4 | 11059.4 | 11400.0 | 10596.8 | 9120.2  | 8344.0  | 8458.4  | 8619.0  |
| 52.5° | 9360.5 | 9550.7  | 10308.9 | 11050.4 | 11671.1 | 11385.8 | 10064.8 | 9278.3  | 9406.8  | 9599.6  |
| 55°   | 7265.9 | 7544.7  | 9642.0  | 10706.0 | 11574.7 | 11896.0 | 10963.0 | 10271.7 | 10436.1 | 10637.9 |
| 57.5° | 6258.3 | 6380.4  | 7653.9  | 10078.9 | 11135.2 | 12028.4 | 11721.2 | 11275.3 | 11540.0 | 11761.1 |
| 60°   | 5624.8 | 5726.3  | 6479.4  | 9103.5  | 10556.9 | 11818.9 | 12307.2 | 12210.8 | 12668.3 | 12931.8 |
| 62.5° | 4946.3 | 5042.7  | 5727.6  | 7601.3  | 9816.7  | 11470.6 | 12677.3 | 13074.4 | 13824.9 | 14112.8 |
| 65°   | 4272.9 | 4355.1  | 5011.8  | 6386.9  | 8876.1  | 11122.4 | 12868.8 | 13821.1 | 14895.4 | 15193.5 |
| 67.5° | 3522.4 | 3590.5  | 4211.2  | 5388.3  | 7732.3  | 10645.6 | 12963.9 | 14408.3 | 15827.1 | 16082.8 |
| 70°   | 2541.9 | 2594.6  | 3235.8  | 4261.3  | 6296.9  | 9825.7  | 12925.4 | 14824.7 | 16310.3 | 16514.6 |
| 72.5° | 1201.6 | 1249.1  | 2002.2  | 2766.8  | 4447.7  | 8229.7  | 12145.3 | 14494.4 | 15819.4 | 15717.8 |
| 75°   | 641.3  | 682.4   | 1150.1  | 1517.7  | 2349.1  | 5641.5  | 9938.8  | 12485.9 | 13283.9 | 12790.4 |
| 77.5° | 434.4  | 466.5   | 711.9   | 911.1   | 1073.0  | 2678.1  | 6388.1  | 8644.7  | 8317.0  | 7502.3  |
| 80°   | 344.4  | 377.8   | 583.4   | 616.8   | 519.2   | 967.7   | 2639.6  | 4001.7  | 2874.7  | 2299.0  |
| 82.5° | 264.7  | 302.0   | 490.9   | 447.2   | 282.7   | 397.1   | 768.5   | 1265.8  | 736.4   | 560.3   |
| 85°   | 161.9  | 201.8   | 385.5   | 285.3   | 159.4   | 181.2   | 260.9   | 352.1   | 224.9   | 187.6   |
| 87.5° | 82.2   | 115.7   | 195.3   | 104.1   | 72.0    | 42.4    | 69.4    | 69.4    | 59.1    | 51.4    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3500.6  | 0°    | 3500.6  | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 | 3500.6 |
| 3482.6  | 2.5°  | 3513.4  | 3539.1 | 3582.8 | 3623.9 | 3656.1 | 3686.9 | 3717.7 | 3734.4 | 3739.6 | 3760.1 |
| 3501.8  | 5°    | 3554.5  | 3602.1 | 3686.9 | 3766.6 | 3816.7 | 3847.5 | 3869.4 | 3882.2 | 3884.8 | 3891.2 |
| 3554.5  | 7.5°  | 3630.4  | 3706.2 | 3824.4 | 3904.1 | 3941.3 | 3938.8 | 3929.8 | 3897.7 | 3884.8 | 3873.2 |
| 3631.6  | 10°   | 3737.0  | 3837.3 | 3982.5 | 4037.7 | 4014.6 | 3952.9 | 3873.2 | 3779.4 | 3735.7 | 3693.3 |
| 3737.0  | 12.5° | 3869.4  | 3996.6 | 4139.2 | 4136.7 | 4022.3 | 3864.2 | 3679.2 | 3535.3 | 3444.0 | 3378.5 |
| 3866.8  | 15°   | 4030.0  | 4176.5 | 4285.7 | 4198.4 | 3947.8 | 3663.8 | 3392.6 | 3205.0 | 3122.7 | 3050.8 |
| 3997.9  | 17.5° | 4195.8  | 4352.6 | 4402.7 | 4179.1 | 3760.1 | 3366.9 | 3059.8 | 2912.0 | 2831.0 | 2792.5 |
| 4139.2  | 20°   | 4357.7  | 4513.2 | 4472.1 | 4068.6 | 3474.9 | 3030.2 | 2756.5 | 2675.5 | 2658.8 | 2667.8 |
| 4276.8  | 22.5° | 4528.6  | 4667.4 | 4486.2 | 3855.2 | 3111.2 | 2685.8 | 2535.5 | 2538.0 | 2575.3 | 2602.3 |
| 4420.7  | 25°   | 4703.4  | 4797.2 | 4449.0 | 3546.8 | 2720.5 | 2432.7 | 2395.4 | 2436.5 | 2509.8 | 2562.5 |
| 4582.6  | 27.5° | 4871.7  | 4912.9 | 4368.0 | 3165.2 | 2385.1 | 2251.5 | 2257.9 | 2342.7 | 2453.2 | 2526.5 |
| 4779.2  | 30°   | 5061.9  | 5015.7 | 4212.5 | 2735.9 | 2152.5 | 2096.0 | 2149.9 | 2248.9 | 2359.4 | 2424.9 |
| 5027.2  | 32.5° | 5276.5  | 5104.3 | 3965.8 | 2338.8 | 1988.0 | 1971.3 | 2060.0 | 2124.2 | 2173.1 | 2192.3 |
| 5356.2  | 35°   | 5543.8  | 5229.0 | 3649.6 | 2060.0 | 1840.2 | 1880.1 | 1964.9 | 1932.8 | 1913.5 | 1903.2 |
| 5798.3  | 37.5° | 5890.8  | 5397.3 | 3279.5 | 1878.8 | 1720.7 | 1814.5 | 1849.2 | 1749.0 | 1673.2 | 1635.9 |
| 6334.2  | 40°   | 6308.5  | 5644.1 | 2923.6 | 1738.7 | 1644.9 | 1758.0 | 1697.6 | 1576.8 | 1480.4 | 1427.7 |
| 6936.9  | 42.5° | 6772.4  | 5902.4 | 2624.1 | 1633.3 | 1602.5 | 1711.7 | 1585.8 | 1441.9 | 1286.4 | 1269.7 |
| 7655.2  | 45°   | 7259.4  | 6168.4 | 2419.8 | 1552.4 | 1581.9 | 1671.9 | 1521.5 | 1288.9 | 1178.4 | 1246.5 |
| 8376.2  | 47.5° | 7746.5  | 6412.6 | 2296.4 | 1492.0 | 1571.7 | 1626.9 | 1465.0 | 1204.1 | 1125.7 | 1224.7 |
| 9148.5  | 50°   | 8288.8  | 6631.0 | 2241.2 | 1448.3 | 1560.1 | 1608.9 | 1380.2 | 1182.3 | 1070.5 | 1136.0 |
| 9947.8  | 52.5° | 8827.2  | 6800.7 | 2200.1 | 1404.6 | 1543.4 | 1594.8 | 1339.1 | 1156.6 | 1003.6 | 1007.5 |
| 10752.3 | 55°   | 9364.4  | 6911.2 | 2155.1 | 1346.8 | 1506.1 | 1563.9 | 1335.2 | 1128.3 | 953.5  | 935.5  |
| 11603.0 | 57.5° | 9937.5  | 6974.1 | 2099.8 | 1282.5 | 1441.9 | 1485.6 | 1331.3 | 1106.5 | 938.1  | 908.6  |
| 12473.0 | 60°   | 10521.0 | 7066.7 | 2027.9 | 1204.1 | 1355.8 | 1391.7 | 1322.3 | 1098.7 | 929.1  | 879.0  |
| 13292.9 | 62.5° | 11044.0 | 7098.8 | 1941.8 | 1129.6 | 1245.2 | 1299.2 | 1303.1 | 1092.3 | 904.7  | 818.6  |
| 13974.0 | 65°   | 11387.1 | 6960.0 | 1791.4 | 1044.8 | 1125.7 | 1204.1 | 1265.8 | 1070.5 | 861.0  | 774.9  |
| 14310.7 | 67.5° | 11373.0 | 6564.2 | 1556.2 | 935.5  | 1010.1 | 1098.7 | 1211.8 | 1033.2 | 808.3  | 720.9  |
| 14056.2 | 70°   | 10843.5 | 5782.9 | 1258.1 | 808.3  | 882.9  | 985.7  | 1142.4 | 977.9  | 745.3  | 661.8  |
| 12498.7 | 72.5° | 9300.1  | 4526.1 | 913.7  | 659.2  | 735.1  | 868.7  | 1052.5 | 911.1  | 681.1  | 609.1  |
| 9237.2  | 75°   | 6643.9  | 2864.4 | 619.4  | 506.3  | 571.9  | 736.4  | 940.7  | 832.7  | 622.0  | 611.7  |
| 4626.3  | 77.5° | 3393.9  | 1368.6 | 409.9  | 370.1  | 398.4  | 580.9  | 790.3  | 744.1  | 631.0  | 505.0  |
| 1315.9  | 80°   | 1103.9  | 505.0  | 258.3  | 251.9  | 264.7  | 386.8  | 611.7  | 610.4  | 478.1  | 343.1  |
| 318.7   | 82.5° | 352.1   | 217.2  | 168.3  | 161.9  | 155.5  | 242.9  | 426.6  | 483.2  | 322.6  | 217.2  |
| 114.4   | 85°   | 140.1   | 129.8  | 99.0   | 91.2   | 65.5   | 114.4  | 223.6  | 321.3  | 240.3  | 156.8  |
| 29.6    | 87.5° | 51.4    | 51.4   | 27.0   | 19.3   | 14.1   | 38.6   | 60.4   | 96.4   | 137.5  | 81.0   |
| 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°   |
|--------|
| 3500.6 |
| 3771.7 |
| 3901.5 |
| 3875.8 |
| 3680.5 |
| 3363.1 |
| 3043.1 |
| 2804.0 |
| 2664.0 |
| 2608.7 |
| 2576.6 |
| 2544.5 |
| 2440.4 |
| 2202.6 |
| 1913.5 |
| 1644.9 |
| 1431.6 |
| 1286.4 |
| 1282.5 |
| 1270.9 |
| 1184.8 |
| 1034.5 |
| 948.4  |
| 912.4  |
| 882.9  |
| 818.6  |
| 774.9  |
| 724.8  |
| 669.5  |
| 605.3  |
| 577.0  |
| 449.8  |
| 303.3  |
| 215.9  |
| 160.6  |
| 79.7   |
| 0.0    |