

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: P946796

Luminaire Tested: **GLAN-SB2B-830-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946796  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-830-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8567 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

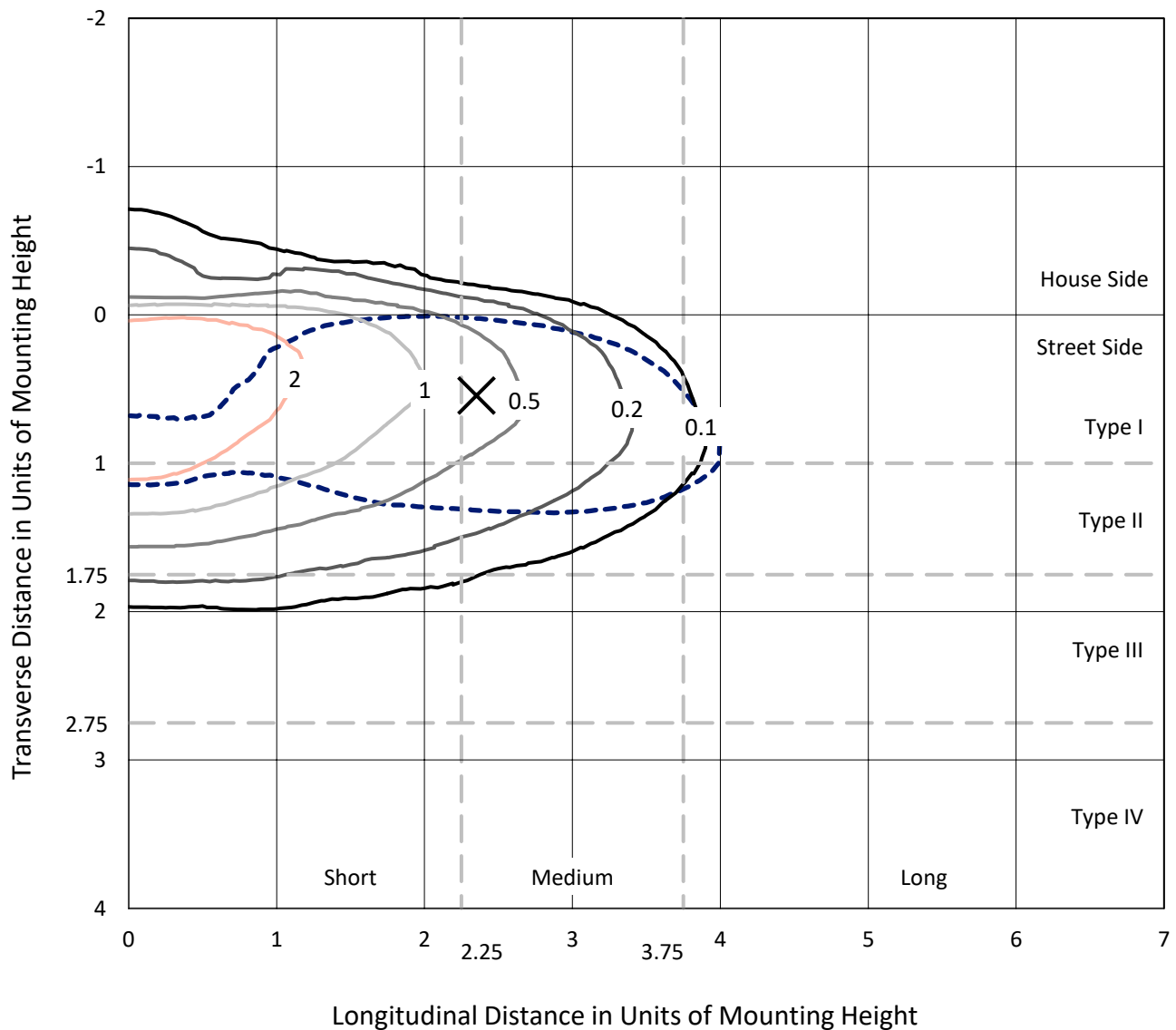
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

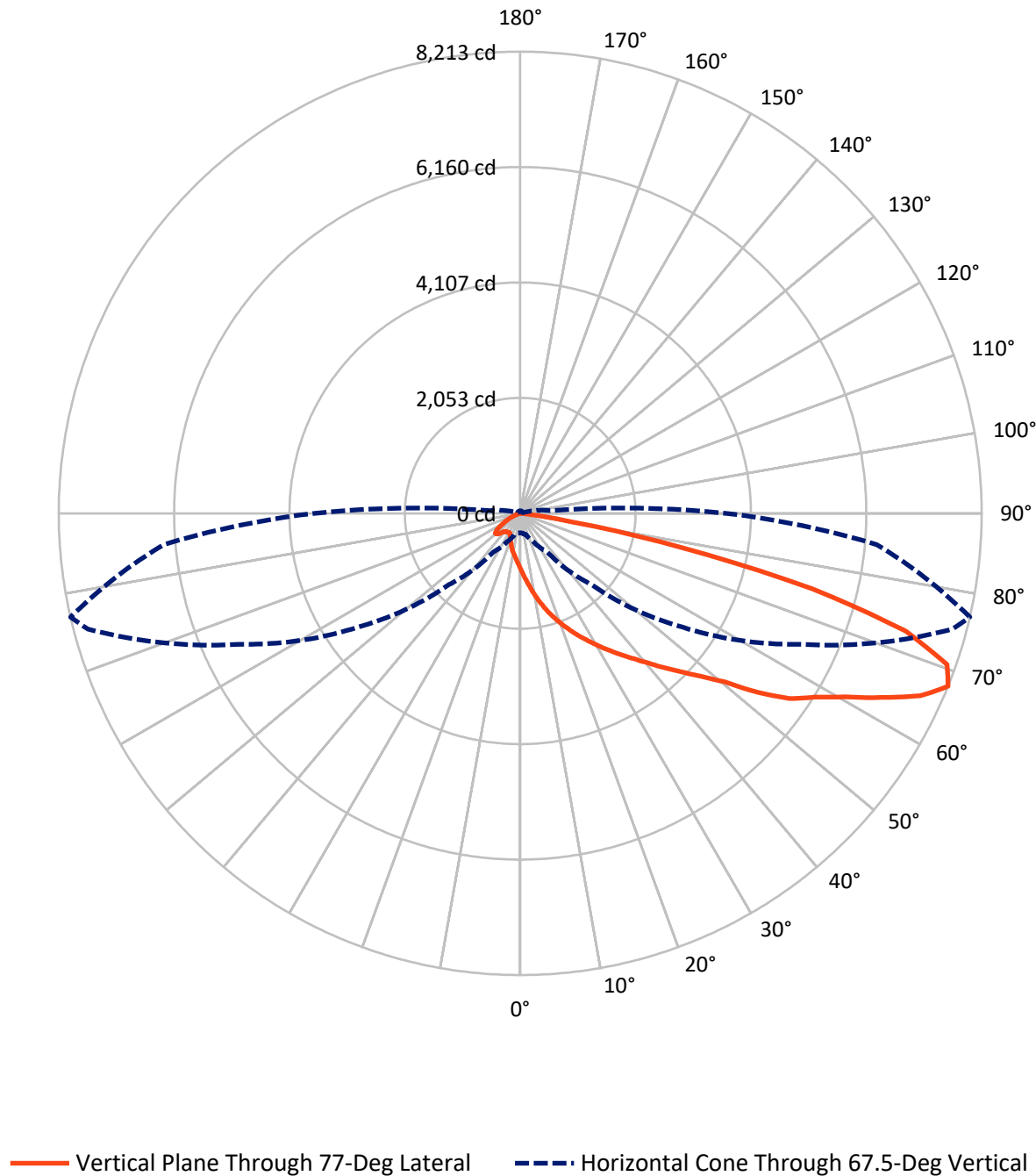
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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    | 630.3    | 0.0    | 630.3  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 7936.7   | 0.0    | 7936.7 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 8567.0   | 0.0    | 8567.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 100.8  | 1.2       |
| 10°-20°   | 353.1  | 4.1       |
| 20°-30°   | 681.4  | 8.0       |
| 30°-40°   | 1182.9 | 13.8      |
| 40°-50°   | 1717.5 | 20.0      |
| 50°-60°   | 1972.4 | 23.0      |
| 60°-70°   | 1712.4 | 20.0      |
| 70°-80°   | 806.6  | 9.4       |
| 80°-90°   | 39.9   | 0.5       |
| 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°    | 8567.0 | 100.0     |
| 0°-180°   | 8567.0 | 100.0     |

**Coefficient of Utilization**



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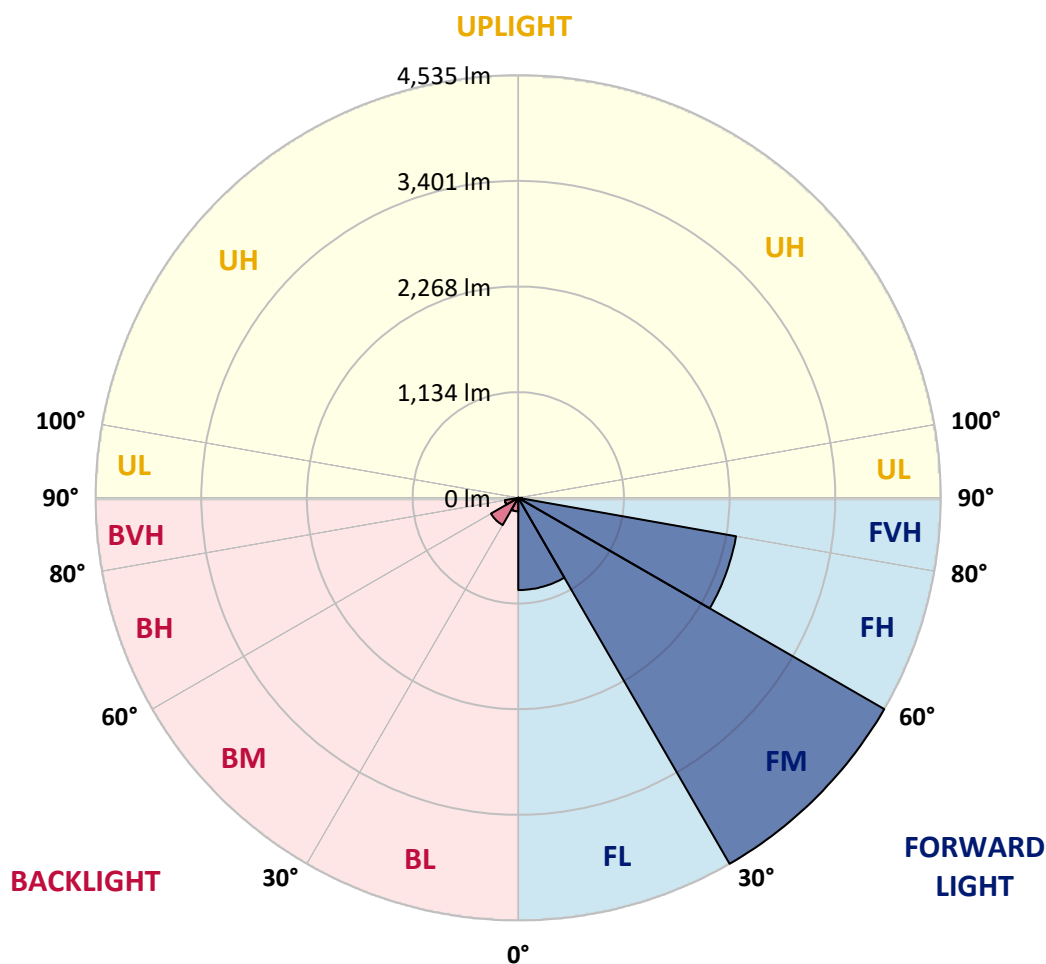
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 989.4  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 4535.1 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 2373.0 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 39.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 145.9  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 337.7  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 145.9  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.7    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 77°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 987.9  | 987.9  | 987.9  | 987.9  | 987.9  | 987.9  | 987.9  | 987.9  | 987.9  | 987.9  |
| 2.5°  | 1367.7 | 1376.3 | 1364.0 | 1340.6 | 1305.5 | 1282.6 | 1226.8 | 1174.1 | 1115.6 | 1097.0 |
| 5°    | 1667.2 | 1674.7 | 1660.9 | 1635.3 | 1588.5 | 1543.8 | 1470.4 | 1360.3 | 1245.9 | 1209.2 |
| 7.5°  | 1889.1 | 1893.3 | 1888.0 | 1864.6 | 1819.9 | 1769.4 | 1687.5 | 1557.1 | 1387.4 | 1347.0 |
| 10°   | 2048.7 | 2062.5 | 2060.9 | 2051.9 | 2022.1 | 1981.1 | 1893.9 | 1745.5 | 1546.0 | 1493.8 |
| 12.5° | 2154.5 | 2170.0 | 2179.0 | 2199.2 | 2197.6 | 2171.6 | 2095.0 | 1938.0 | 1704.0 | 1642.8 |
| 15°   | 2185.4 | 2201.9 | 2236.5 | 2283.3 | 2324.8 | 2338.1 | 2284.4 | 2126.9 | 1877.9 | 1799.7 |
| 17.5° | 2167.8 | 2193.4 | 2234.9 | 2308.8 | 2399.8 | 2459.9 | 2454.1 | 2309.4 | 2035.9 | 1946.5 |
| 20°   | 2206.7 | 2231.2 | 2263.6 | 2325.8 | 2431.7 | 2540.8 | 2584.4 | 2483.9 | 2192.9 | 2099.2 |
| 22.5° | 2421.6 | 2417.4 | 2420.5 | 2430.7 | 2494.0 | 2602.0 | 2691.9 | 2642.4 | 2348.2 | 2252.4 |
| 25°   | 2762.1 | 2742.9 | 2710.5 | 2655.7 | 2639.7 | 2691.9 | 2785.5 | 2782.8 | 2512.0 | 2409.4 |
| 27.5° | 3152.6 | 3149.4 | 3073.3 | 2941.4 | 2866.9 | 2846.7 | 2891.4 | 2919.5 | 2674.3 | 2564.7 |
| 30°   | 3526.5 | 3535.1 | 3432.4 | 3285.6 | 3148.8 | 3069.6 | 3029.1 | 3049.4 | 2839.2 | 2732.3 |
| 32.5° | 3852.1 | 3861.2 | 3749.4 | 3577.6 | 3408.4 | 3312.7 | 3227.6 | 3177.6 | 3019.0 | 2902.5 |
| 35°   | 4127.2 | 4136.2 | 4008.0 | 3818.1 | 3637.7 | 3551.0 | 3454.7 | 3318.0 | 3199.9 | 3091.4 |
| 37.5° | 4372.9 | 4370.3 | 4198.4 | 4006.9 | 3829.8 | 3761.2 | 3710.6 | 3490.9 | 3386.1 | 3281.3 |
| 40°   | 4518.2 | 4529.3 | 4382.5 | 4171.3 | 3999.5 | 3949.5 | 3946.3 | 3705.3 | 3601.0 | 3499.4 |
| 42.5° | 4560.7 | 4580.4 | 4474.0 | 4300.6 | 4144.7 | 4090.5 | 4174.0 | 3937.2 | 3851.1 | 3752.1 |
| 45°   | 4484.1 | 4503.3 | 4454.9 | 4334.6 | 4243.7 | 4208.6 | 4369.7 | 4177.7 | 4118.1 | 4020.2 |
| 47.5° | 4260.7 | 4284.6 | 4296.3 | 4270.8 | 4269.7 | 4305.4 | 4545.3 | 4430.9 | 4435.2 | 4335.2 |
| 50°   | 3828.2 | 3868.6 | 3976.1 | 4066.5 | 4206.4 | 4382.0 | 4716.1 | 4705.4 | 4792.7 | 4706.5 |
| 52.5° | 3041.9 | 3099.4 | 3469.6 | 3717.0 | 4031.4 | 4367.6 | 4903.9 | 5145.9 | 5419.9 | 5293.8 |
| 55°   | 2444.5 | 2444.5 | 2745.6 | 3208.4 | 3689.9 | 4272.9 | 4985.8 | 5432.1 | 5847.1 | 5817.3 |
| 57.5° | 1992.8 | 2016.8 | 2208.8 | 2617.9 | 3195.6 | 4047.4 | 5036.3 | 5611.9 | 6191.3 | 6169.5 |
| 60°   | 1230.0 | 1281.6 | 1644.4 | 2048.2 | 2633.3 | 3645.7 | 5004.4 | 5793.9 | 6608.9 | 6626.4 |
| 62.5° | 692.6  | 711.8  | 873.5  | 1473.6 | 2047.6 | 3105.7 | 4760.2 | 5895.5 | 7143.0 | 7217.5 |
| 65°   | 478.3  | 487.8  | 550.1  | 917.1  | 1419.3 | 2472.7 | 4283.0 | 5832.2 | 7678.2 | 7828.7 |
| 67.5° | 347.4  | 352.2  | 391.0  | 560.2  | 842.1  | 1792.8 | 3535.1 | 5513.0 | 7961.7 | 8213.4 |
| 70°   | 267.1  | 270.2  | 298.4  | 368.1  | 497.4  | 1106.5 | 2567.4 | 4878.3 | 7756.4 | 8057.0 |
| 72.5° | 217.1  | 220.2  | 242.1  | 272.4  | 329.8  | 654.3  | 1556.1 | 3961.7 | 6849.9 | 7174.4 |
| 75°   | 183.0  | 187.3  | 206.9  | 226.6  | 258.5  | 420.3  | 729.9  | 2758.9 | 5151.2 | 5364.0 |
| 77.5° | 101.6  | 93.6   | 168.1  | 187.8  | 218.1  | 266.0  | 341.5  | 1623.6 | 2885.0 | 2944.0 |
| 80°   | 63.3   | 65.4   | 133.5  | 151.1  | 167.6  | 134.1  | 156.4  | 625.1  | 1000.1 | 950.1  |
| 82.5° | 3.7    | 8.5    | 102.7  | 109.1  | 114.9  | 57.5   | 59.1   | 212.3  | 241.0  | 221.3  |
| 85°   | 0.0    | 0.0    | 46.8   | 37.8   | 39.9   | 16.5   | 17.0   | 49.5   | 32.5   | 35.1   |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.1    | 0.0    | 1.6    | 3.2    | 4.3    | 1.6    | 2.1    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 987.9  | 0°    | 987.9  | 987.9  | 987.9 | 987.9 | 987.9 | 987.9 | 987.9 | 987.9 | 987.9 | 987.9 |
| 1038.4 | 2.5°  | 1001.2 | 964.0  | 888.4 | 814.5 | 754.4 | 698.5 | 658.6 | 620.8 | 601.7 | 600.6 |
| 1105.5 | 5°    | 1031.5 | 953.3  | 802.2 | 668.7 | 561.2 | 475.1 | 419.2 | 379.3 | 359.1 | 352.2 |
| 1187.9 | 7.5°  | 1074.1 | 956.5  | 726.7 | 541.0 | 414.4 | 340.5 | 308.6 | 295.8 | 291.5 | 286.7 |
| 1281.0 | 10°   | 1127.8 | 964.0  | 659.1 | 435.7 | 326.6 | 289.4 | 276.6 | 271.3 | 268.1 | 264.9 |
| 1385.8 | 12.5° | 1187.9 | 970.9  | 592.1 | 361.8 | 287.3 | 268.1 | 259.1 | 252.7 | 248.4 | 244.7 |
| 1493.3 | 15°   | 1246.4 | 975.1  | 522.4 | 310.1 | 267.1 | 251.6 | 242.1 | 235.1 | 229.3 | 225.0 |
| 1598.6 | 17.5° | 1304.4 | 981.0  | 457.0 | 279.3 | 250.6 | 235.1 | 225.6 | 217.1 | 212.3 | 207.5 |
| 1709.3 | 20°   | 1368.8 | 979.9  | 395.3 | 257.5 | 234.1 | 218.6 | 208.5 | 200.6 | 195.8 | 190.5 |
| 1826.3 | 22.5° | 1428.4 | 974.6  | 341.0 | 238.9 | 217.1 | 202.2 | 191.0 | 183.0 | 178.2 | 174.0 |
| 1946.0 | 25°   | 1497.0 | 970.3  | 295.8 | 221.8 | 201.1 | 186.2 | 174.0 | 166.5 | 161.2 | 157.5 |
| 2066.2 | 27.5° | 1563.0 | 964.0  | 262.8 | 206.4 | 185.7 | 171.3 | 159.6 | 151.1 | 146.3 | 143.6 |
| 2190.2 | 30°   | 1627.9 | 962.4  | 250.6 | 191.5 | 171.8 | 157.5 | 145.8 | 137.8 | 134.1 | 133.0 |
| 2326.4 | 32.5° | 1706.1 | 966.6  | 255.9 | 186.2 | 159.1 | 144.7 | 133.5 | 127.7 | 124.0 | 124.0 |
| 2478.0 | 35°   | 1789.6 | 965.6  | 263.9 | 191.0 | 150.6 | 131.9 | 123.4 | 119.7 | 116.0 | 116.0 |
| 2646.1 | 37.5° | 1894.4 | 967.2  | 270.2 | 199.0 | 147.4 | 121.3 | 116.5 | 111.7 | 109.6 | 109.6 |
| 2830.2 | 40°   | 2050.8 | 1019.8 | 267.1 | 205.9 | 146.3 | 113.8 | 104.3 | 102.7 | 101.1 | 101.1 |
| 3038.2 | 42.5° | 2242.3 | 1134.2 | 271.3 | 206.4 | 145.8 | 108.5 | 95.8  | 98.9  | 95.2  | 94.7  |
| 3272.8 | 45°   | 2451.9 | 1259.2 | 298.4 | 195.2 | 145.2 | 105.9 | 91.5  | 95.2  | 89.4  | 89.4  |
| 3544.6 | 47.5° | 2659.9 | 1383.2 | 326.1 | 179.3 | 143.6 | 105.3 | 87.8  | 85.7  | 84.1  | 84.6  |
| 3898.9 | 50°   | 2946.7 | 1484.2 | 336.7 | 157.5 | 139.9 | 104.3 | 80.9  | 81.4  | 80.3  | 81.4  |
| 4398.5 | 52.5° | 3259.0 | 1505.5 | 324.0 | 133.0 | 129.3 | 101.1 | 76.1  | 78.2  | 77.7  | 78.7  |
| 4750.1 | 55°   | 3453.7 | 1482.6 | 267.6 | 110.7 | 112.8 | 88.3  | 71.3  | 75.5  | 75.5  | 75.5  |
| 5093.8 | 57.5° | 3654.8 | 1385.3 | 189.9 | 89.9  | 93.6  | 72.4  | 67.0  | 72.9  | 72.4  | 71.8  |
| 5507.7 | 60°   | 3799.5 | 1227.8 | 125.0 | 73.9  | 74.5  | 59.6  | 62.2  | 68.6  | 68.1  | 65.4  |
| 5934.3 | 62.5° | 3907.4 | 1053.9 | 80.3  | 62.8  | 56.9  | 53.7  | 56.9  | 62.2  | 60.1  | 54.3  |
| 6296.1 | 65°   | 3895.2 | 812.9  | 61.7  | 53.7  | 46.8  | 46.8  | 49.5  | 54.3  | 47.9  | 38.3  |
| 6365.2 | 67.5° | 3668.1 | 550.1  | 51.1  | 45.2  | 39.4  | 38.8  | 41.0  | 45.2  | 41.0  | 32.5  |
| 6010.9 | 70°   | 3262.1 | 359.6  | 41.0  | 35.1  | 31.4  | 28.7  | 33.0  | 38.8  | 34.6  | 26.1  |
| 5117.2 | 72.5° | 2647.7 | 219.2  | 30.9  | 25.5  | 22.9  | 18.6  | 26.1  | 31.9  | 27.7  | 19.2  |
| 3558.5 | 75°   | 1713.0 | 111.7  | 21.3  | 16.5  | 12.2  | 11.2  | 19.2  | 23.9  | 19.2  | 11.7  |
| 1578.9 | 77.5° | 655.4  | 46.8   | 11.7  | 7.4   | 6.4   | 5.3   | 10.6  | 14.4  | 8.0   | 2.7   |
| 305.9  | 80°   | 126.1  | 19.7   | 5.9   | 3.7   | 3.2   | 2.1   | 1.6   | 1.1   | 0.0   | 0.0   |
| 54.3   | 82.5° | 21.8   | 6.4    | 2.1   | 1.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 10.6   | 85°   | 7.4    | 1.1    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 3.7    | 87.5° | 2.7    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 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°  |
|-------|
| 987.9 |
| 599.6 |
| 351.1 |
| 285.7 |
| 263.9 |
| 243.7 |
| 224.5 |
| 206.9 |
| 189.9 |
| 173.4 |
| 156.9 |
| 143.6 |
| 132.5 |
| 124.0 |
| 116.0 |
| 109.6 |
| 101.1 |
| 94.2  |
| 89.4  |
| 84.6  |
| 81.4  |
| 78.7  |
| 75.5  |
| 71.8  |
| 65.4  |
| 53.2  |
| 37.2  |
| 31.4  |
| 25.0  |
| 18.1  |
| 10.1  |
| 2.1   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |