

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: P946439

Luminaire Tested: **GLAN-SB2A-830-U-T2R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P946439  
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-SB2A-830-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

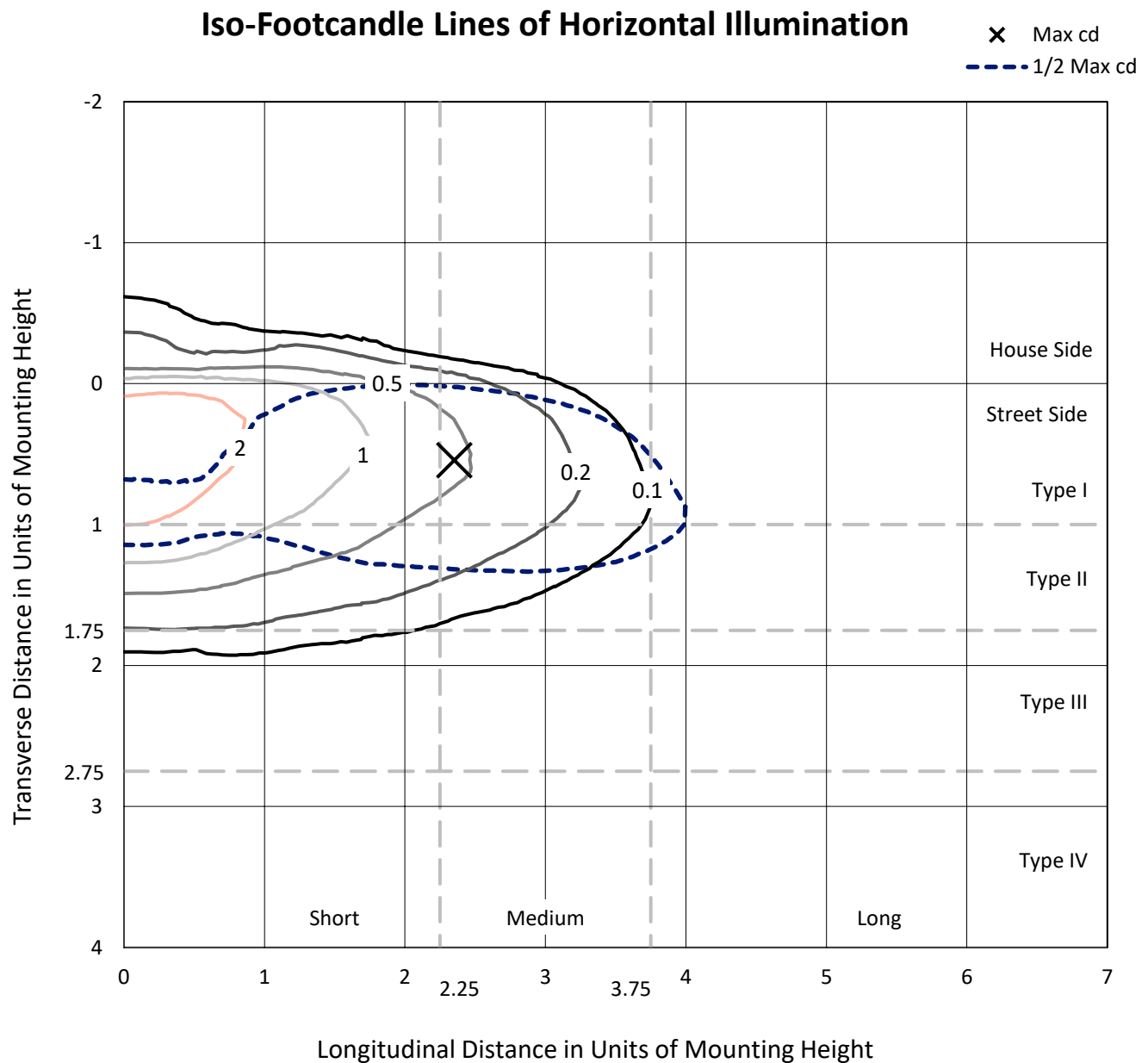
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6825 lumens  
Efficiency: N/A  
Efficacy: 119.1 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): 57.3  
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



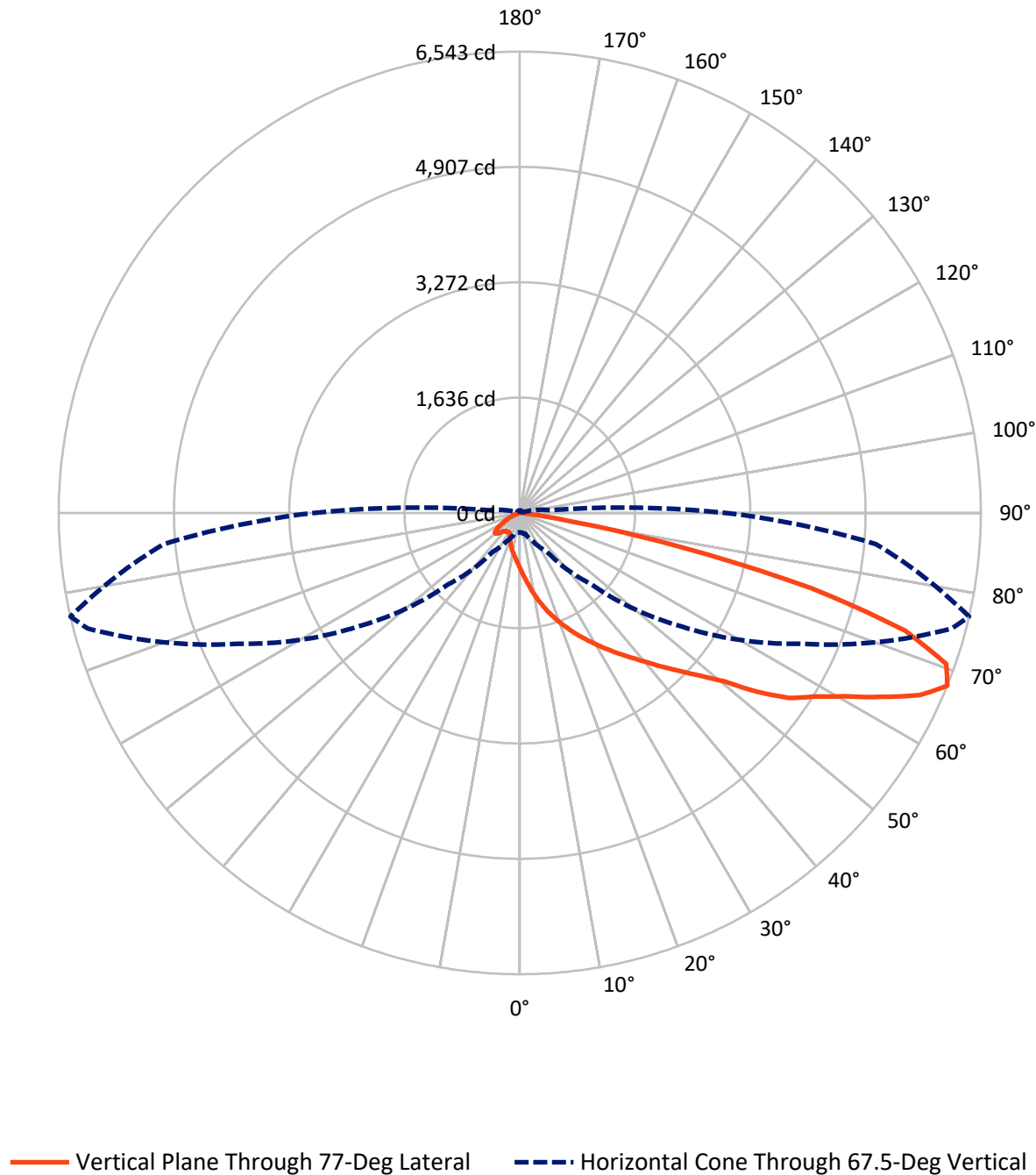
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CATALOG NUMBER: GLAN-SB2A-830-U-T2R-HSS



Based on 25 foot mounting height. Maximum calculated value = 2.9 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    | 502.1    | 0.0    | 502.1  |
|                    | % Fixture | 7.4      | 0.0    | 7.4    |
| <b>Street Side</b> | Lumens    | 6322.9   | 0.0    | 6322.9 |
|                    | % Fixture | 92.6     | 0.0    | 92.6   |
| <b>Total</b>       | Lumens    | 6825.0   | 0.0    | 6825.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.3   | 1.2       |
| 10°-20°   | 281.3  | 4.1       |
| 20°-30°   | 542.8  | 8.0       |
| 30°-40°   | 942.4  | 13.8      |
| 40°-50°   | 1368.3 | 20.0      |
| 50°-60°   | 1571.3 | 23.0      |
| 60°-70°   | 1364.2 | 20.0      |
| 70°-80°   | 642.6  | 9.4       |
| 80°-90°   | 31.8   | 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°    | 6825.0 | 100.0     |
| 0°-180°   | 6825.0 | 100.0     |

**Coefficient of Utilization**



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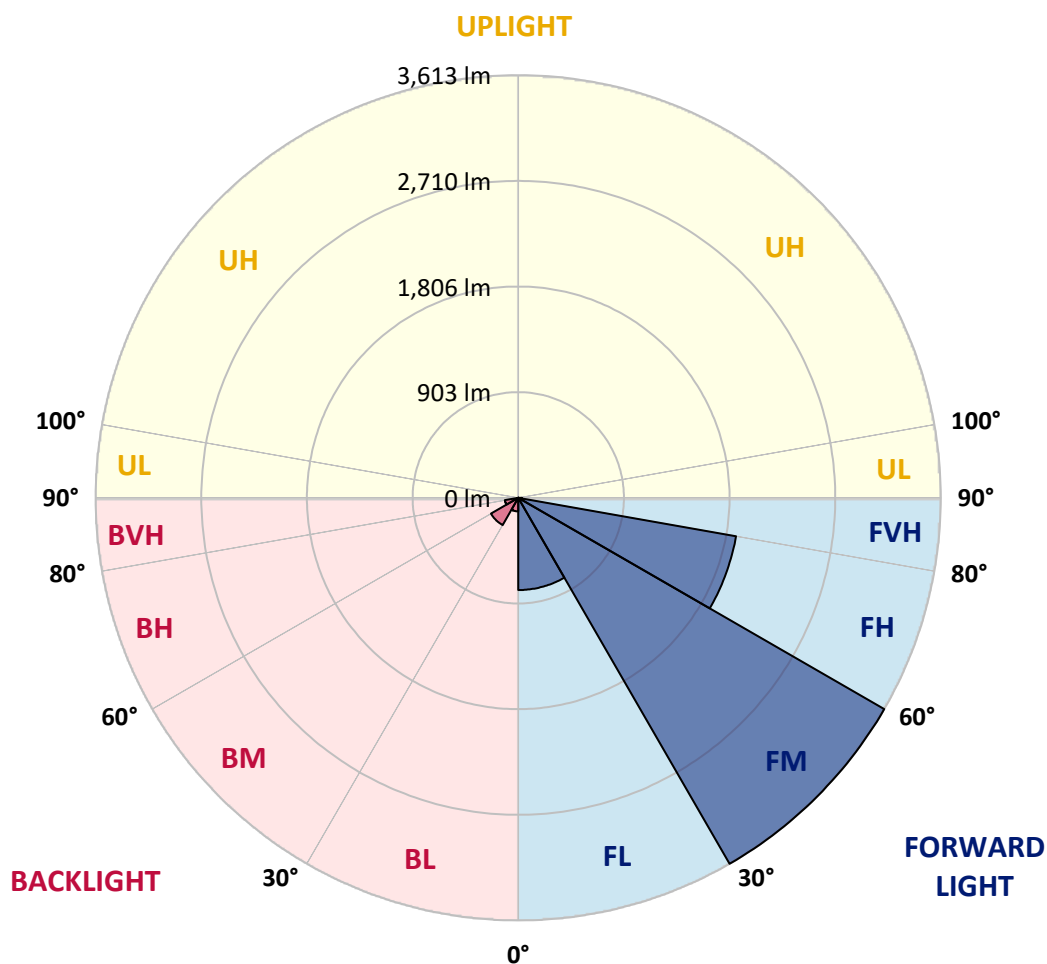
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 788.2  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 3613.0 | 52.9      |                         |      |         |
| FH   | (60°-80°)   | 1890.5 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 31.2   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 116.2  | 1.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 269.0  | 3.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 116.2  | 1.7       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 0.6    | 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°    | 787.0  | 787.0  | 787.0  | 787.0  | 787.0  | 787.0  | 787.0  | 787.0  | 787.0  | 787.0  |
| 2.5°  | 1089.6 | 1096.4 | 1086.7 | 1068.0 | 1040.0 | 1021.8 | 977.3  | 935.4  | 888.7  | 873.9  |
| 5°    | 1328.2 | 1334.2 | 1323.1 | 1302.8 | 1265.5 | 1229.9 | 1171.4 | 1083.7 | 992.6  | 963.3  |
| 7.5°  | 1505.0 | 1508.4 | 1504.1 | 1485.5 | 1449.9 | 1409.6 | 1344.3 | 1240.5 | 1105.3 | 1073.1 |
| 10°   | 1632.1 | 1643.1 | 1641.9 | 1634.7 | 1610.9 | 1578.3 | 1508.8 | 1390.5 | 1231.6 | 1190.1 |
| 12.5° | 1716.4 | 1728.7 | 1735.9 | 1752.0 | 1750.8 | 1730.0 | 1669.0 | 1544.0 | 1357.5 | 1308.7 |
| 15°   | 1741.0 | 1754.2 | 1781.7 | 1819.0 | 1852.1 | 1862.7 | 1819.9 | 1694.4 | 1496.1 | 1433.8 |
| 17.5° | 1727.0 | 1747.4 | 1780.4 | 1839.4 | 1911.8 | 1959.7 | 1955.1 | 1839.8 | 1621.9 | 1550.7 |
| 20°   | 1758.0 | 1777.5 | 1803.3 | 1852.9 | 1937.3 | 2024.1 | 2058.9 | 1978.8 | 1747.0 | 1672.4 |
| 22.5° | 1929.2 | 1925.8 | 1928.4 | 1936.4 | 1986.8 | 2072.9 | 2144.5 | 2105.1 | 1870.7 | 1794.4 |
| 25°   | 2200.4 | 2185.2 | 2159.3 | 2115.7 | 2103.0 | 2144.5 | 2219.1 | 2217.0 | 2001.3 | 1919.5 |
| 27.5° | 2511.5 | 2509.0 | 2448.4 | 2343.3 | 2283.9 | 2267.8 | 2303.4 | 2325.9 | 2130.5 | 2043.2 |
| 30°   | 2809.5 | 2816.2 | 2734.4 | 2617.5 | 2508.6 | 2445.4 | 2413.2 | 2429.3 | 2261.9 | 2176.7 |
| 32.5° | 3068.8 | 3076.0 | 2987.0 | 2850.1 | 2715.4 | 2639.1 | 2571.3 | 2531.4 | 2405.1 | 2312.3 |
| 35°   | 3287.9 | 3295.2 | 3193.0 | 3041.7 | 2898.0 | 2829.0 | 2752.2 | 2643.3 | 2549.2 | 2462.8 |
| 37.5° | 3483.8 | 3481.6 | 3344.7 | 3192.2 | 3051.0 | 2996.4 | 2956.1 | 2781.1 | 2697.6 | 2614.1 |
| 40°   | 3599.5 | 3608.4 | 3491.4 | 3323.1 | 3186.2 | 3146.4 | 3143.9 | 2951.9 | 2868.8 | 2787.8 |
| 42.5° | 3633.4 | 3649.0 | 3564.3 | 3426.1 | 3301.9 | 3258.7 | 3325.2 | 3136.6 | 3068.0 | 2989.2 |
| 45°   | 3572.3 | 3587.6 | 3549.0 | 3453.2 | 3380.8 | 3352.8 | 3481.2 | 3328.2 | 3280.7 | 3202.8 |
| 47.5° | 3394.3 | 3413.4 | 3422.7 | 3402.4 | 3401.5 | 3429.9 | 3621.1 | 3529.9 | 3533.3 | 3453.7 |
| 50°   | 3049.8 | 3082.0 | 3167.6 | 3239.6 | 3351.1 | 3491.0 | 3757.1 | 3748.6 | 3818.1 | 3749.5 |
| 52.5° | 2423.4 | 2469.1 | 2764.1 | 2961.2 | 3211.7 | 3479.5 | 3906.7 | 4099.6 | 4317.8 | 4217.4 |
| 55°   | 1947.4 | 1947.4 | 2187.3 | 2556.0 | 2939.6 | 3404.1 | 3972.0 | 4327.6 | 4658.1 | 4634.4 |
| 57.5° | 1587.6 | 1606.7 | 1759.7 | 2085.6 | 2545.9 | 3224.4 | 4012.2 | 4470.8 | 4932.3 | 4915.0 |
| 60°   | 979.9  | 1021.0 | 1310.0 | 1631.7 | 2097.9 | 2904.4 | 3986.8 | 4615.8 | 5265.0 | 5279.0 |
| 62.5° | 551.8  | 567.1  | 695.9  | 1174.0 | 1631.3 | 2474.2 | 3792.3 | 4696.7 | 5690.6 | 5749.9 |
| 65°   | 381.0  | 388.6  | 438.2  | 730.7  | 1130.7 | 1969.9 | 3412.1 | 4646.3 | 6116.9 | 6236.8 |
| 67.5° | 276.8  | 280.6  | 311.5  | 446.3  | 670.9  | 1428.3 | 2816.2 | 4392.0 | 6342.8 | 6543.3 |
| 70°   | 212.8  | 215.3  | 237.8  | 293.3  | 396.3  | 881.5  | 2045.3 | 3886.4 | 6179.2 | 6418.7 |
| 72.5° | 172.9  | 175.5  | 192.8  | 217.0  | 262.8  | 521.3  | 1239.7 | 3156.1 | 5457.0 | 5715.6 |
| 75°   | 145.8  | 149.2  | 164.9  | 180.5  | 206.0  | 334.8  | 581.5  | 2197.9 | 4103.8 | 4273.3 |
| 77.5° | 80.9   | 74.6   | 133.9  | 149.6  | 173.8  | 211.9  | 272.1  | 1293.5 | 2298.3 | 2345.4 |
| 80°   | 50.4   | 52.1   | 106.4  | 120.4  | 133.5  | 106.8  | 124.6  | 498.0  | 796.8  | 756.9  |
| 82.5° | 3.0    | 6.8    | 81.8   | 86.9   | 91.5   | 45.8   | 47.0   | 169.1  | 192.0  | 176.3  |
| 85°   | 0.0    | 0.0    | 37.3   | 30.1   | 31.8   | 13.1   | 13.6   | 39.4   | 25.9   | 28.0   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.8    | 0.0    | 1.3    | 2.5    | 3.4    | 1.3    | 1.7    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 787.0  | 0°    | 787.0  | 787.0  | 787.0 | 787.0 | 787.0 | 787.0 | 787.0 | 787.0 | 787.0 | 787.0 |
| 827.3  | 2.5°  | 797.6  | 768.0  | 707.8 | 648.9 | 601.0 | 556.5 | 524.7 | 494.6 | 479.3 | 478.5 |
| 880.7  | 5°    | 821.8  | 759.5  | 639.1 | 532.7 | 447.1 | 378.5 | 334.0 | 302.2 | 286.1 | 280.6 |
| 946.4  | 7.5°  | 855.7  | 762.0  | 578.9 | 431.0 | 330.2 | 271.2 | 245.8 | 235.6 | 232.3 | 228.4 |
| 1020.5 | 10°   | 898.5  | 768.0  | 525.1 | 347.1 | 260.2 | 230.6 | 220.4 | 216.1 | 213.6 | 211.1 |
| 1104.0 | 12.5° | 946.4  | 773.5  | 471.7 | 288.2 | 228.9 | 213.6 | 206.4 | 201.3 | 197.9 | 195.0 |
| 1189.6 | 15°   | 993.0  | 776.9  | 416.2 | 247.1 | 212.8 | 200.5 | 192.8 | 187.3 | 182.7 | 179.3 |
| 1273.6 | 17.5° | 1039.2 | 781.5  | 364.1 | 222.5 | 199.6 | 187.3 | 179.7 | 172.9 | 169.1 | 165.3 |
| 1361.7 | 20°   | 1090.5 | 780.7  | 314.9 | 205.1 | 186.5 | 174.2 | 166.1 | 159.8 | 156.0 | 151.7 |
| 1455.0 | 22.5° | 1137.9 | 776.4  | 271.7 | 190.3 | 172.9 | 161.0 | 152.1 | 145.8 | 142.0 | 138.6 |
| 1550.3 | 25°   | 1192.6 | 773.0  | 235.6 | 176.7 | 160.2 | 148.3 | 138.6 | 132.7 | 128.4 | 125.4 |
| 1646.1 | 27.5° | 1245.2 | 768.0  | 209.4 | 164.4 | 147.9 | 136.5 | 127.1 | 120.4 | 116.5 | 114.4 |
| 1744.8 | 30°   | 1296.9 | 766.7  | 199.6 | 152.6 | 136.9 | 125.4 | 116.1 | 109.8 | 106.8 | 106.0 |
| 1853.3 | 32.5° | 1359.2 | 770.1  | 203.9 | 148.3 | 126.7 | 115.3 | 106.4 | 101.7 | 98.7  | 98.7  |
| 1974.1 | 35°   | 1425.7 | 769.2  | 210.2 | 152.1 | 119.9 | 105.1 | 98.3  | 95.4  | 92.4  | 92.4  |
| 2108.1 | 37.5° | 1509.2 | 770.5  | 215.3 | 158.5 | 117.4 | 96.6  | 92.8  | 89.0  | 87.3  | 87.3  |
| 2254.7 | 40°   | 1633.8 | 812.5  | 212.8 | 164.0 | 116.5 | 90.7  | 83.1  | 81.8  | 80.5  | 80.5  |
| 2420.4 | 42.5° | 1786.4 | 903.6  | 216.1 | 164.4 | 116.1 | 86.5  | 76.3  | 78.8  | 75.9  | 75.4  |
| 2607.3 | 45°   | 1953.4 | 1003.2 | 237.8 | 155.5 | 115.7 | 84.3  | 72.9  | 75.9  | 71.2  | 71.2  |
| 2823.9 | 47.5° | 2119.1 | 1101.9 | 259.8 | 142.8 | 114.4 | 83.9  | 69.9  | 68.2  | 67.0  | 67.4  |
| 3106.1 | 50°   | 2347.5 | 1182.4 | 268.3 | 125.4 | 111.5 | 83.1  | 64.4  | 64.8  | 64.0  | 64.8  |
| 3504.1 | 52.5° | 2596.3 | 1199.4 | 258.1 | 106.0 | 103.0 | 80.5  | 60.6  | 62.3  | 61.9  | 62.7  |
| 3784.2 | 55°   | 2751.4 | 1181.2 | 213.2 | 88.2  | 89.8  | 70.4  | 56.8  | 60.2  | 60.2  | 60.2  |
| 4058.0 | 57.5° | 2911.6 | 1103.6 | 151.3 | 71.6  | 74.6  | 57.6  | 53.4  | 58.1  | 57.6  | 57.2  |
| 4387.7 | 60°   | 3026.9 | 978.2  | 99.6  | 58.9  | 59.3  | 47.5  | 49.6  | 54.7  | 54.2  | 52.1  |
| 4727.6 | 62.5° | 3112.9 | 839.6  | 64.0  | 50.0  | 45.3  | 42.8  | 45.3  | 49.6  | 47.9  | 43.2  |
| 5015.8 | 65°   | 3103.2 | 647.6  | 49.2  | 42.8  | 37.3  | 37.3  | 39.4  | 43.2  | 38.1  | 30.5  |
| 5070.9 | 67.5° | 2922.2 | 438.2  | 40.7  | 36.0  | 31.4  | 30.9  | 32.6  | 36.0  | 32.6  | 25.9  |
| 4788.7 | 70°   | 2598.8 | 286.5  | 32.6  | 28.0  | 25.0  | 22.9  | 26.3  | 30.9  | 27.5  | 20.8  |
| 4076.7 | 72.5° | 2109.3 | 174.6  | 24.6  | 20.3  | 18.2  | 14.8  | 20.8  | 25.4  | 22.0  | 15.3  |
| 2834.9 | 75°   | 1364.7 | 89.0   | 17.0  | 13.1  | 9.7   | 8.9   | 15.3  | 19.1  | 15.3  | 9.3   |
| 1257.9 | 77.5° | 522.1  | 37.3   | 9.3   | 5.9   | 5.1   | 4.2   | 8.5   | 11.4  | 6.4   | 2.1   |
| 243.7  | 80°   | 100.4  | 15.7   | 4.7   | 3.0   | 2.5   | 1.7   | 1.3   | 0.8   | 0.0   | 0.0   |
| 43.2   | 82.5° | 17.4   | 5.1    | 1.7   | 0.8   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 8.5    | 85°   | 5.9    | 0.8    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 3.0    | 87.5° | 2.1    | 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°  |
|-------|
| 787.0 |
| 477.6 |
| 279.7 |
| 227.6 |
| 210.2 |
| 194.1 |
| 178.8 |
| 164.9 |
| 151.3 |
| 138.2 |
| 125.0 |
| 114.4 |
| 105.5 |
| 98.7  |
| 92.4  |
| 87.3  |
| 80.5  |
| 75.0  |
| 71.2  |
| 67.4  |
| 64.8  |
| 62.7  |
| 60.2  |
| 57.2  |
| 52.1  |
| 42.4  |
| 29.7  |
| 25.0  |
| 19.9  |
| 14.4  |
| 8.1   |
| 1.7   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |