

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: P948606

Luminaire Tested: **GLAN-SB3C-835-U-T3R-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948606  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3C-835-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 17352 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

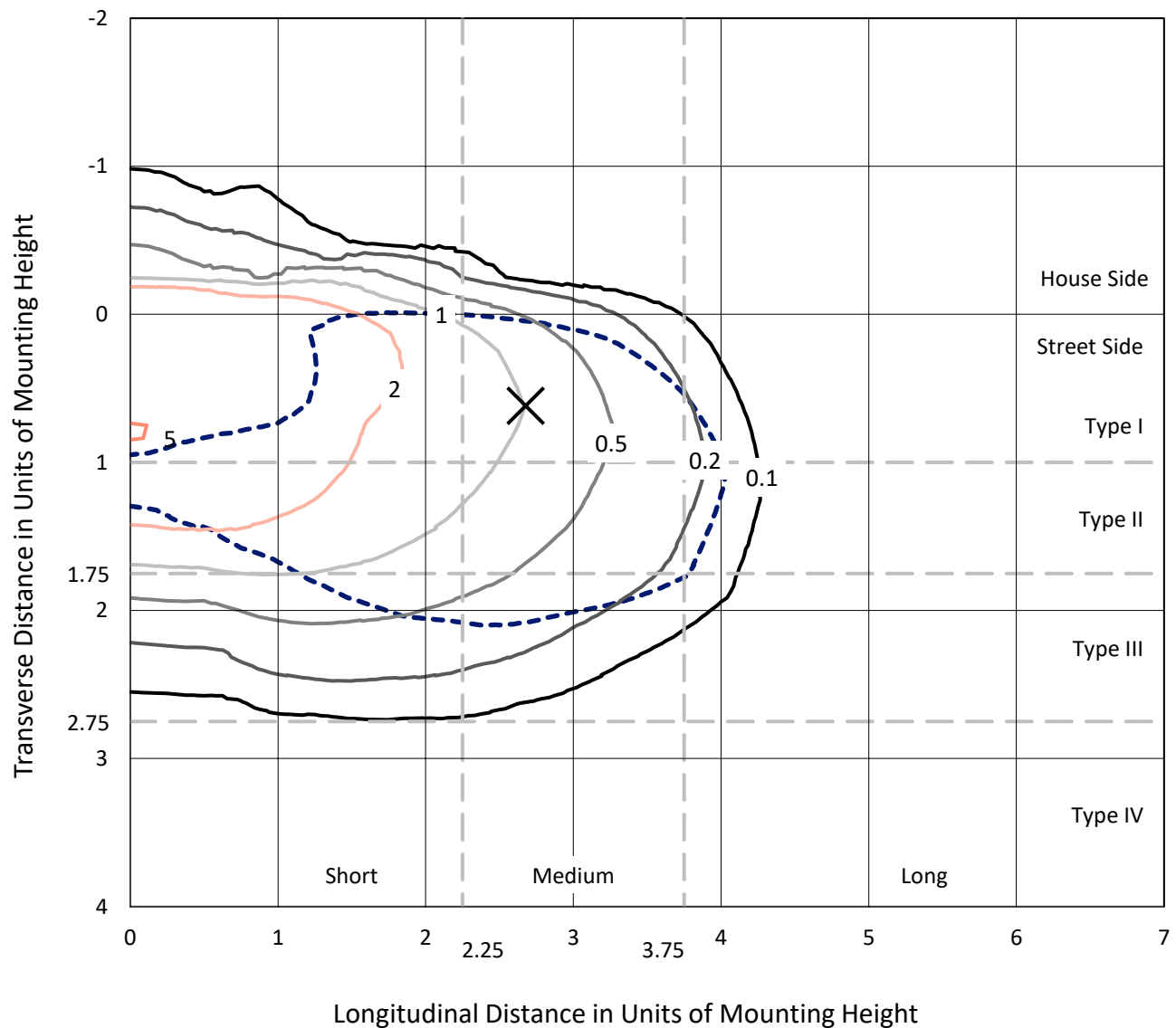
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

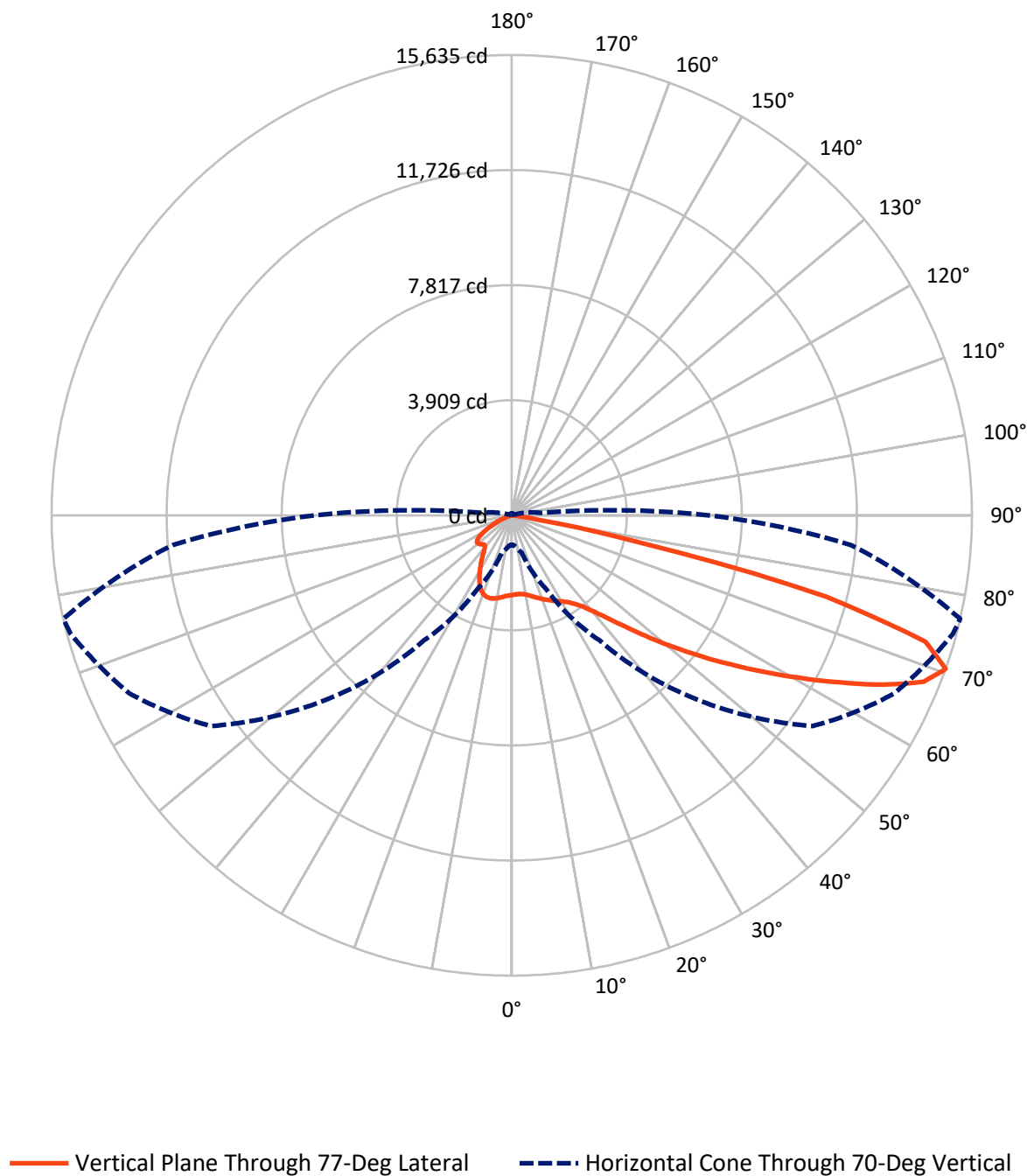
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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    | 1829.2   | 0.0    | 1829.2  |
|                    | % Fixture | 10.5     | 0.0    | 10.5    |
| <b>Street Side</b> | Lumens    | 15522.9  | 0.0    | 15522.9 |
|                    | % Fixture | 89.5     | 0.0    | 89.5    |
| <b>Total</b>       | Lumens    | 17352.0  | 0.0    | 17352.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 233.3   | 1.3       |
| 10°-20°   | 553.7   | 3.2       |
| 20°-30°   | 856.5   | 4.9       |
| 30°-40°   | 1554.2  | 9.0       |
| 40°-50°   | 2933.6  | 16.9      |
| 50°-60°   | 4238.9  | 24.4      |
| 60°-70°   | 4512.2  | 26.0      |
| 70°-80°   | 2391.1  | 13.8      |
| 80°-90°   | 78.5    | 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°    | 17352.0 | 100.0     |
| 0°-180°   | 17352.0 | 100.0     |

**Coefficient of Utilization**



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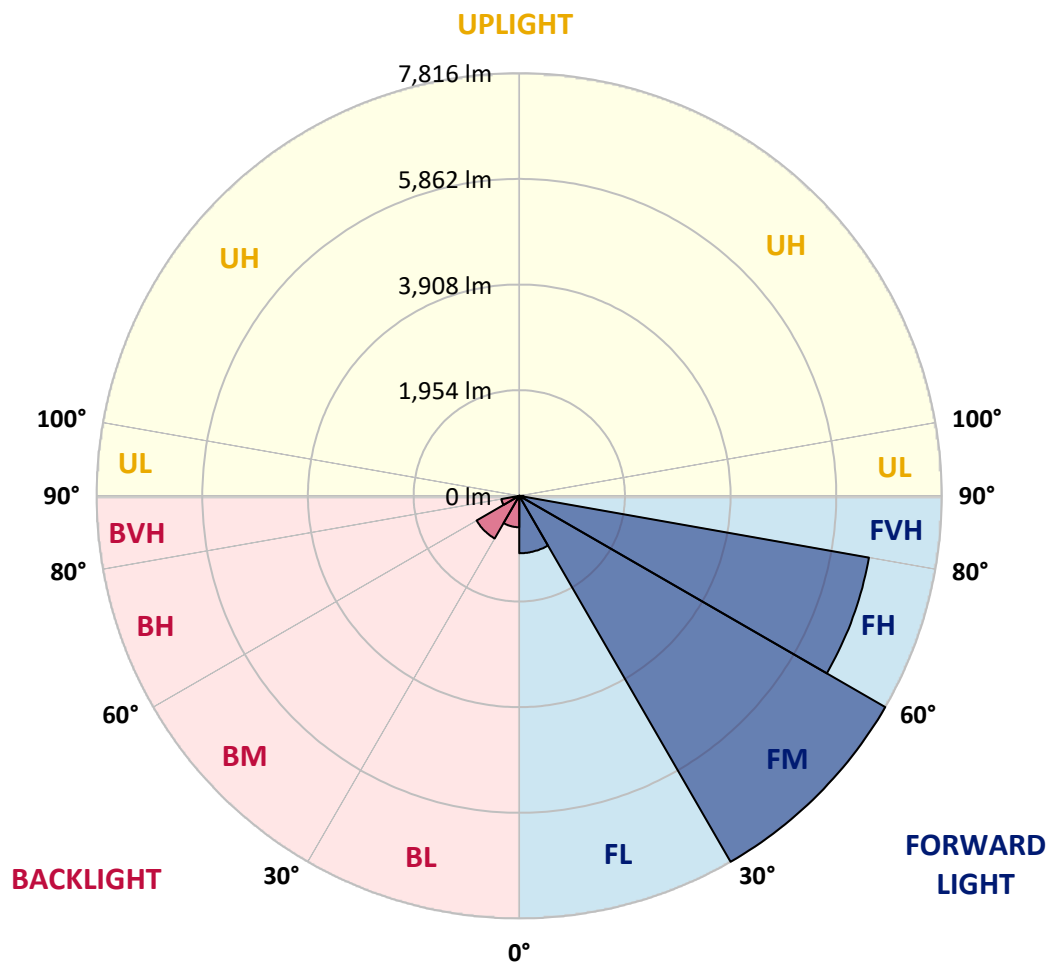
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1062.4 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 7816.1 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 6568.0 | 37.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 76.4   | 0.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 581.2  | 3.3       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 910.6  | 5.2       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 335.3  | 1.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.1    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6  | 2706.6  | 2706.6  | 2706.6  | 2706.6  |
| 2.5°  | 2541.1 | 2564.1 | 2560.9 | 2576.2 | 2581.7 | 2603.6  | 2625.5  | 2655.1  | 2688.0  | 2686.9  |
| 5°    | 2397.6 | 2420.6 | 2426.1 | 2446.9 | 2473.2 | 2507.2  | 2552.1  | 2611.3  | 2672.6  | 2682.5  |
| 7.5°  | 2227.7 | 2251.8 | 2266.1 | 2307.7 | 2355.9 | 2426.1  | 2499.5  | 2586.1  | 2688.0  | 2702.2  |
| 10°   | 2057.9 | 2079.8 | 2098.4 | 2157.6 | 2234.3 | 2338.4  | 2457.9  | 2582.8  | 2719.7  | 2740.6  |
| 12.5° | 1952.7 | 1973.5 | 1994.3 | 2045.8 | 2141.2 | 2268.3  | 2430.5  | 2598.1  | 2772.3  | 2801.9  |
| 15°   | 1915.4 | 1934.1 | 1950.5 | 1996.5 | 2085.3 | 2229.9  | 2425.0  | 2629.9  | 2839.2  | 2878.6  |
| 17.5° | 1920.9 | 1930.8 | 1941.7 | 1976.8 | 2063.4 | 2212.4  | 2434.8  | 2684.7  | 2918.1  | 2953.2  |
| 20°   | 1952.7 | 1958.2 | 1959.3 | 1983.4 | 2060.1 | 2210.2  | 2454.6  | 2737.3  | 2992.6  | 3039.7  |
| 22.5° | 1993.2 | 1995.4 | 1993.2 | 2009.7 | 2080.9 | 2226.6  | 2480.9  | 2800.8  | 3075.9  | 3119.7  |
| 25°   | 2182.8 | 2141.2 | 2088.6 | 2056.8 | 2116.0 | 2258.4  | 2520.3  | 2886.3  | 3166.8  | 3209.6  |
| 27.5° | 2771.3 | 2651.8 | 2463.3 | 2251.8 | 2188.3 | 2304.4  | 2575.1  | 2972.9  | 3258.9  | 3297.2  |
| 30°   | 3726.8 | 3570.1 | 3250.1 | 2773.4 | 2420.6 | 2400.9  | 2646.3  | 3059.4  | 3356.4  | 3398.0  |
| 32.5° | 4684.5 | 4646.1 | 4276.9 | 3617.2 | 2943.3 | 2615.6  | 2764.7  | 3176.7  | 3485.7  | 3518.6  |
| 35°   | 5653.2 | 5575.4 | 5272.9 | 4620.9 | 3748.7 | 3052.9  | 2961.9  | 3330.1  | 3655.6  | 3692.8  |
| 37.5° | 6395.0 | 6347.9 | 6160.5 | 5623.6 | 4704.2 | 3727.9  | 3299.4  | 3567.9  | 3902.1  | 3943.7  |
| 40°   | 7050.3 | 7028.4 | 6964.8 | 6610.9 | 5772.6 | 4611.1  | 3824.3  | 3936.1  | 4244.0  | 4293.3  |
| 42.5° | 7565.3 | 7616.8 | 7653.0 | 7554.4 | 6873.9 | 5619.2  | 4530.0  | 4453.3  | 4720.7  | 4771.1  |
| 45°   | 8092.4 | 8109.9 | 8255.7 | 8398.1 | 7967.5 | 6673.4  | 5325.5  | 5059.3  | 5313.5  | 5375.9  |
| 47.5° | 8431.0 | 8501.1 | 8757.5 | 9008.5 | 8886.8 | 7718.7  | 6180.2  | 5774.8  | 6000.5  | 6117.8  |
| 50°   | 8456.2 | 8588.8 | 8941.6 | 9378.9 | 9556.4 | 8713.7  | 7109.5  | 6590.1  | 6830.1  | 6959.4  |
| 52.5° | 8036.5 | 8242.5 | 8789.3 | 9429.3 | 9918.0 | 9556.4  | 8070.5  | 7405.3  | 7713.3  | 7882.0  |
| 55°   | 6161.6 | 6431.2 | 8216.2 | 9155.3 | 9932.2 | 10195.2 | 9006.3  | 8254.6  | 8697.3  | 8887.9  |
| 57.5° | 5368.3 | 5504.1 | 6459.7 | 8679.7 | 9668.1 | 10452.7 | 9852.2  | 9063.3  | 9767.9  | 10004.6 |
| 60°   | 4466.4 | 4645.0 | 5417.6 | 7901.7 | 9309.8 | 10477.9 | 10599.6 | 10106.5 | 10928.3 | 11194.6 |
| 62.5° | 3035.3 | 3229.3 | 3997.4 | 6564.9 | 8820.0 | 10465.9 | 11212.1 | 11180.3 | 12218.0 | 12504.0 |
| 65°   | 1880.4 | 2002.0 | 2508.3 | 5360.6 | 8135.1 | 10479.0 | 11853.1 | 12484.3 | 13579.0 | 13869.4 |
| 67.5° | 1485.9 | 1541.8 | 1805.9 | 4115.8 | 6955.0 | 10183.2 | 12493.1 | 13710.5 | 14860.0 | 15090.1 |
| 70°   | 998.3  | 1032.2 | 1313.9 | 2759.2 | 5174.3 | 8817.8  | 12481.0 | 14326.3 | 15519.7 | 15634.7 |
| 72.5° | 526.0  | 552.3  | 768.1  | 1277.7 | 3125.2 | 6267.9  | 10520.7 | 13590.0 | 14863.3 | 14690.1 |
| 75°   | 263.0  | 306.8  | 517.2  | 648.7  | 1334.7 | 3495.6  | 6533.1  | 10714.6 | 11698.6 | 11028.0 |
| 77.5° | 199.4  | 241.1  | 427.4  | 427.4  | 464.6  | 1176.9  | 2766.9  | 5843.8  | 5390.2  | 4488.4  |
| 80°   | 127.1  | 164.4  | 373.7  | 323.3  | 194.0  | 299.2   | 721.0   | 1637.1  | 1145.1  | 871.2   |
| 82.5° | 74.5   | 107.4  | 311.2  | 213.7  | 108.5  | 110.7   | 203.8   | 348.5   | 297.0   | 231.2   |
| 85°   | 29.6   | 70.1   | 213.7  | 84.4   | 42.7   | 27.4    | 61.4    | 74.5    | 61.4    | 46.0    |
| 87.5° | 0.0    | 16.4   | 37.3   | 0.0    | 3.3    | 2.2     | 4.4     | 5.5     | 5.5     | 4.4     |
| 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°   |
|---------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2706.6  | 0°    | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 | 2706.6 |
| 2708.8  | 2.5°  | 2718.7 | 2720.8 | 2727.4 | 2728.5 | 2713.2 | 2693.4 | 2685.8 | 2682.5 | 2669.3 | 2668.2 |
| 2726.3  | 5°    | 2751.5 | 2761.4 | 2751.5 | 2723.0 | 2655.1 | 2559.8 | 2487.4 | 2428.3 | 2374.6 | 2358.1 |
| 2786.6  | 7.5°  | 2817.3 | 2827.1 | 2797.5 | 2685.8 | 2514.8 | 2325.3 | 2154.3 | 2033.8 | 1925.3 | 1884.8 |
| 2860.0  | 10°   | 2911.5 | 2924.7 | 2831.5 | 2605.8 | 2303.3 | 1998.7 | 1709.4 | 1505.6 | 1346.7 | 1282.1 |
| 2959.7  | 12.5° | 3029.9 | 3035.3 | 2850.1 | 2484.2 | 2028.3 | 1593.3 | 1183.5 | 965.4  | 824.0  | 771.4  |
| 3080.3  | 15°   | 3160.3 | 3152.6 | 2852.3 | 2318.7 | 1653.5 | 1126.5 | 772.5  | 634.5  | 577.5  | 559.9  |
| 3200.8  | 17.5° | 3297.2 | 3265.5 | 2808.5 | 2079.8 | 1242.6 | 770.3  | 573.1  | 540.2  | 530.4  | 526.0  |
| 3320.2  | 20°   | 3432.0 | 3360.8 | 2728.5 | 1767.5 | 892.0  | 575.3  | 520.5  | 510.6  | 505.2  | 503.0  |
| 3440.8  | 22.5° | 3554.7 | 3433.1 | 2591.5 | 1404.8 | 647.6  | 508.4  | 492.0  | 483.2  | 473.4  | 469.0  |
| 3558.0  | 25°   | 3674.2 | 3474.7 | 2398.7 | 1066.2 | 518.3  | 475.6  | 462.4  | 446.0  | 432.8  | 427.4  |
| 3684.0  | 27.5° | 3790.3 | 3501.0 | 2157.6 | 789.0  | 462.4  | 444.9  | 420.8  | 397.8  | 387.9  | 385.7  |
| 3818.8  | 30°   | 3914.2 | 3509.8 | 1883.7 | 588.4  | 428.5  | 406.5  | 371.5  | 345.2  | 339.7  | 340.8  |
| 4000.7  | 32.5° | 4065.4 | 3523.0 | 1607.5 | 482.1  | 400.0  | 360.5  | 318.9  | 291.5  | 287.1  | 291.5  |
| 4265.9  | 35°   | 4246.2 | 3549.3 | 1341.2 | 443.8  | 374.8  | 313.4  | 268.5  | 245.5  | 241.1  | 244.4  |
| 4605.6  | 37.5° | 4491.6 | 3592.0 | 1092.5 | 436.1  | 353.9  | 273.9  | 225.7  | 207.1  | 207.1  | 208.2  |
| 5022.0  | 40°   | 4818.2 | 3706.0 | 870.1  | 430.6  | 343.0  | 244.4  | 190.7  | 183.0  | 186.3  | 188.5  |
| 5552.4  | 42.5° | 5216.0 | 3948.1 | 719.9  | 424.1  | 330.9  | 231.2  | 173.1  | 169.8  | 175.3  | 177.5  |
| 6187.9  | 45°   | 5661.9 | 4254.9 | 667.3  | 413.1  | 320.0  | 240.0  | 165.5  | 161.1  | 167.7  | 168.8  |
| 6900.2  | 47.5° | 6123.3 | 4555.2 | 660.8  | 401.1  | 309.0  | 253.1  | 163.3  | 153.4  | 161.1  | 162.2  |
| 7660.7  | 50°   | 6590.1 | 4751.3 | 667.3  | 382.4  | 291.5  | 253.1  | 164.4  | 145.7  | 152.3  | 155.6  |
| 8449.6  | 52.5° | 7060.2 | 4841.2 | 663.0  | 341.9  | 260.8  | 237.8  | 164.4  | 139.2  | 145.7  | 147.9  |
| 9302.2  | 55°   | 7516.0 | 4823.7 | 596.1  | 281.6  | 221.3  | 210.4  | 160.0  | 133.7  | 138.1  | 139.2  |
| 10107.6 | 57.5° | 7876.5 | 4579.3 | 472.3  | 219.2  | 179.7  | 175.3  | 145.7  | 127.1  | 130.4  | 129.3  |
| 10846.1 | 60°   | 8065.0 | 4042.4 | 337.5  | 168.8  | 141.4  | 138.1  | 128.2  | 118.3  | 120.5  | 115.1  |
| 11471.8 | 62.5° | 8067.2 | 3332.3 | 225.7  | 133.7  | 112.9  | 109.6  | 109.6  | 106.3  | 104.1  | 93.1   |
| 11956.2 | 65°   | 7895.2 | 2544.4 | 150.1  | 106.3  | 91.0   | 85.5   | 92.0   | 91.0   | 83.3   | 67.9   |
| 12104.1 | 67.5° | 7505.1 | 1667.8 | 114.0  | 83.3   | 70.1   | 66.8   | 73.4   | 76.7   | 71.2   | 57.0   |
| 11565.0 | 70°   | 6702.9 | 970.9  | 94.2   | 64.7   | 52.6   | 49.3   | 59.2   | 65.7   | 59.2   | 46.0   |
| 9885.1  | 72.5° | 5567.7 | 523.8  | 76.7   | 48.2   | 36.2   | 32.9   | 47.1   | 53.7   | 47.1   | 34.0   |
| 6342.4  | 75°   | 3612.8 | 280.5  | 59.2   | 31.8   | 18.6   | 20.8   | 35.1   | 39.4   | 32.9   | 21.9   |
| 1861.7  | 77.5° | 1213.0 | 123.8  | 37.3   | 15.3   | 8.8    | 8.8    | 20.8   | 24.1   | 15.3   | 7.7    |
| 338.6   | 80°   | 270.7  | 51.5   | 15.3   | 6.6    | 3.3    | 3.3    | 4.4    | 4.4    | 2.2    | 0.0    |
| 104.1   | 82.5° | 88.8   | 20.8   | 6.6    | 2.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 26.3    | 85°   | 34.0   | 7.7    | 2.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 8.8     | 87.5° | 13.1   | 1.1    | 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°   |
|--------|
| 2706.6 |
| 2670.4 |
| 2348.3 |
| 1868.3 |
| 1254.7 |
| 755.0  |
| 559.9  |
| 524.9  |
| 500.8  |
| 467.9  |
| 425.2  |
| 383.5  |
| 340.8  |
| 290.4  |
| 243.3  |
| 207.1  |
| 188.5  |
| 177.5  |
| 169.8  |
| 163.3  |
| 156.7  |
| 147.9  |
| 139.2  |
| 129.3  |
| 114.0  |
| 89.9   |
| 65.7   |
| 55.9   |
| 43.8   |
| 32.9   |
| 19.7   |
| 6.6    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |
| 0.0    |