

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: P951585

Luminaire Tested: **GLAN-SB5C-940-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-940-U-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27922 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 249.5  
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

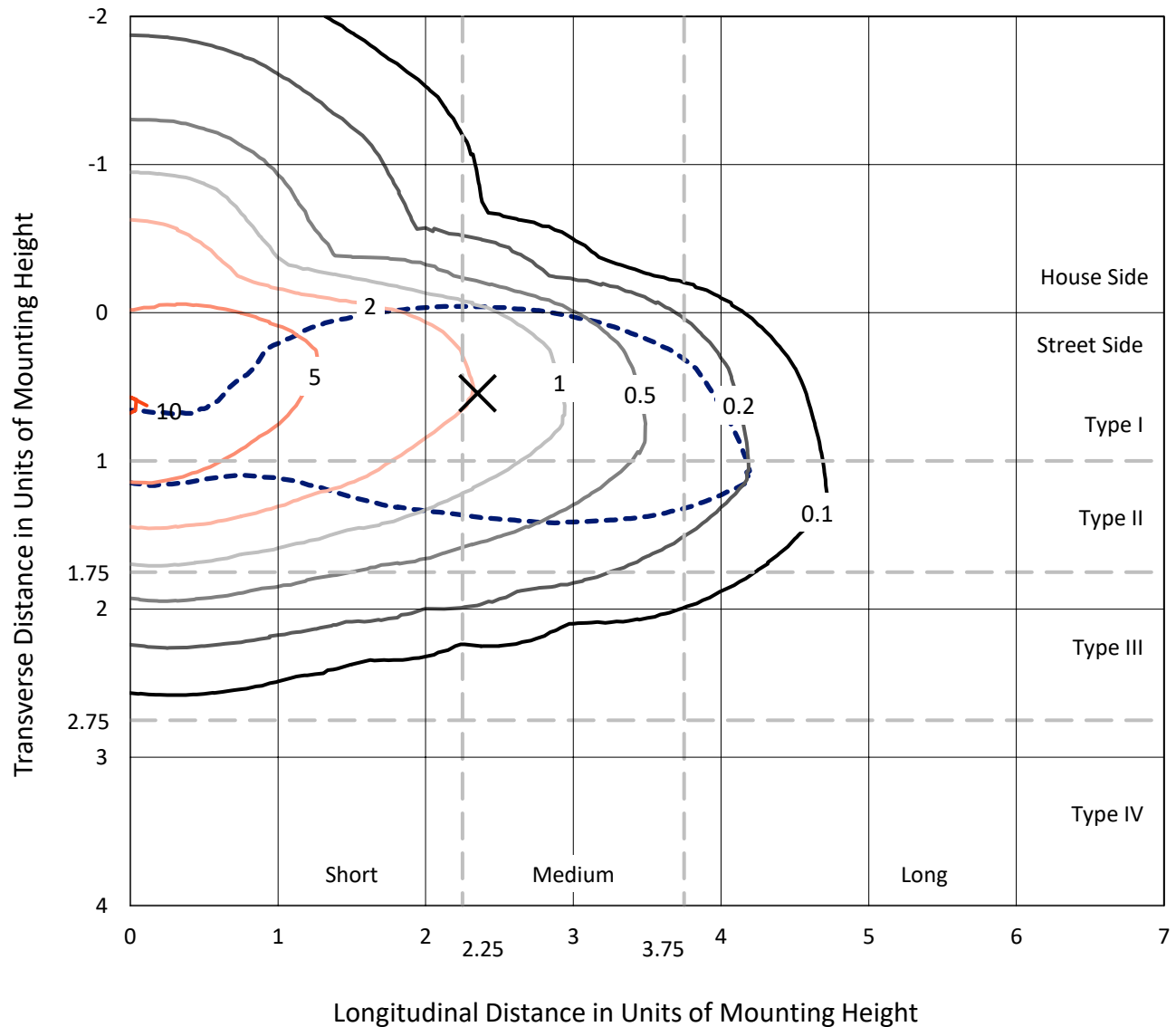


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## Iso-Footcandle Lines of Horizontal Illumination

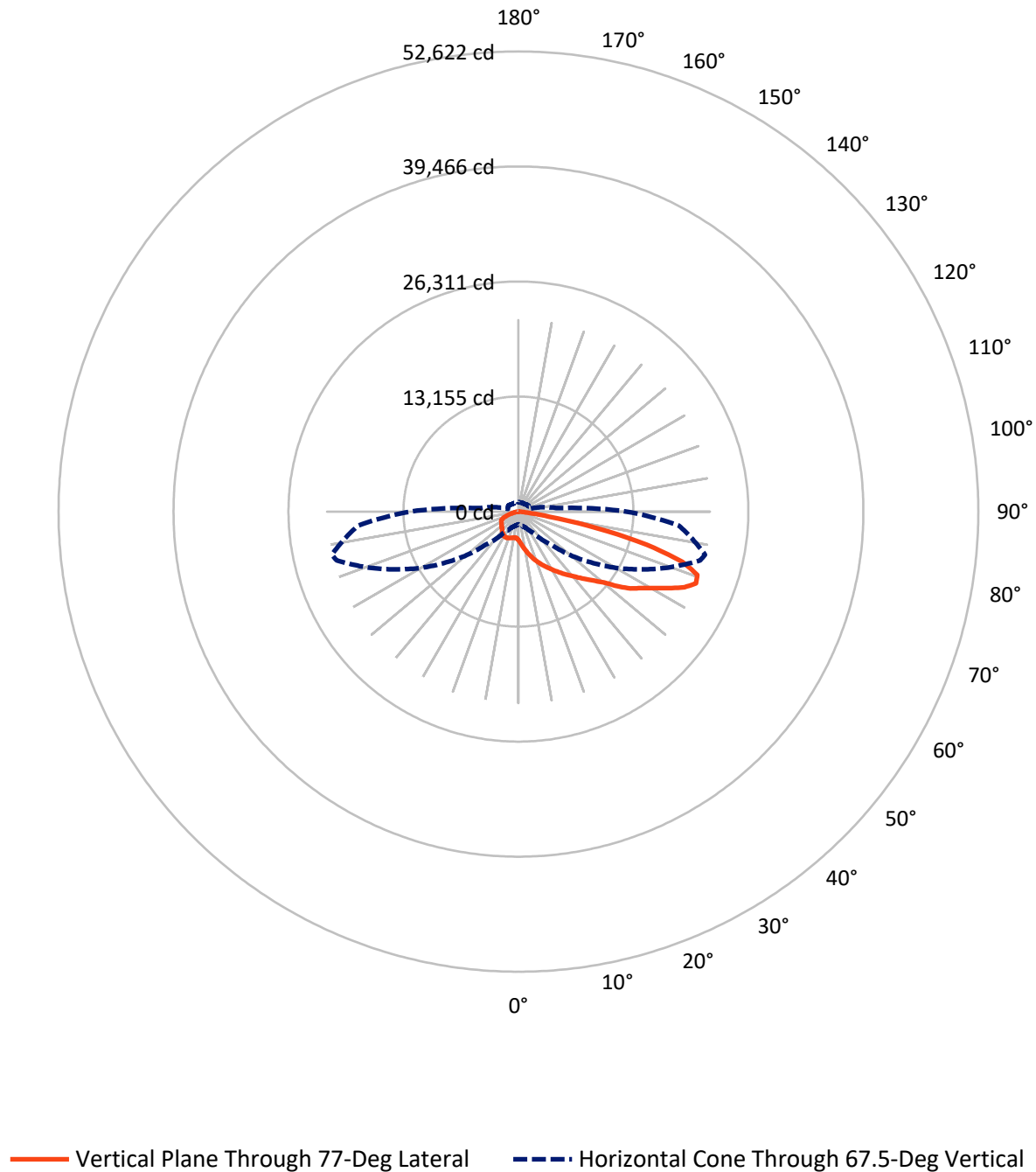
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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    | 5281.7   | 0.0    | 5281.7  |
|                    | % Fixture | 18.9     | 0.0    | 18.9    |
| <b>Street Side</b> | Lumens    | 22640.3  | 0.0    | 22640.3 |
|                    | % Fixture | 81.1     | 0.0    | 81.1    |
| <b>Total</b>       | Lumens    | 27922.0  | 0.0    | 27922.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 351.2   | 1.3       |
| 10°-20°   | 1261.6  | 4.5       |
| 20°-30°   | 2381.9  | 8.5       |
| 30°-40°   | 3837.3  | 13.7      |
| 40°-50°   | 5248.7  | 18.8      |
| 50°-60°   | 5920.6  | 21.2      |
| 60°-70°   | 5526.1  | 19.8      |
| 70°-80°   | 3029.2  | 10.8      |
| 80°-90°   | 365.4   | 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°    | 27922.0 | 100.0     |
| 0°-180°   | 27922.0 | 100.0     |

**Coefficient of Utilization**



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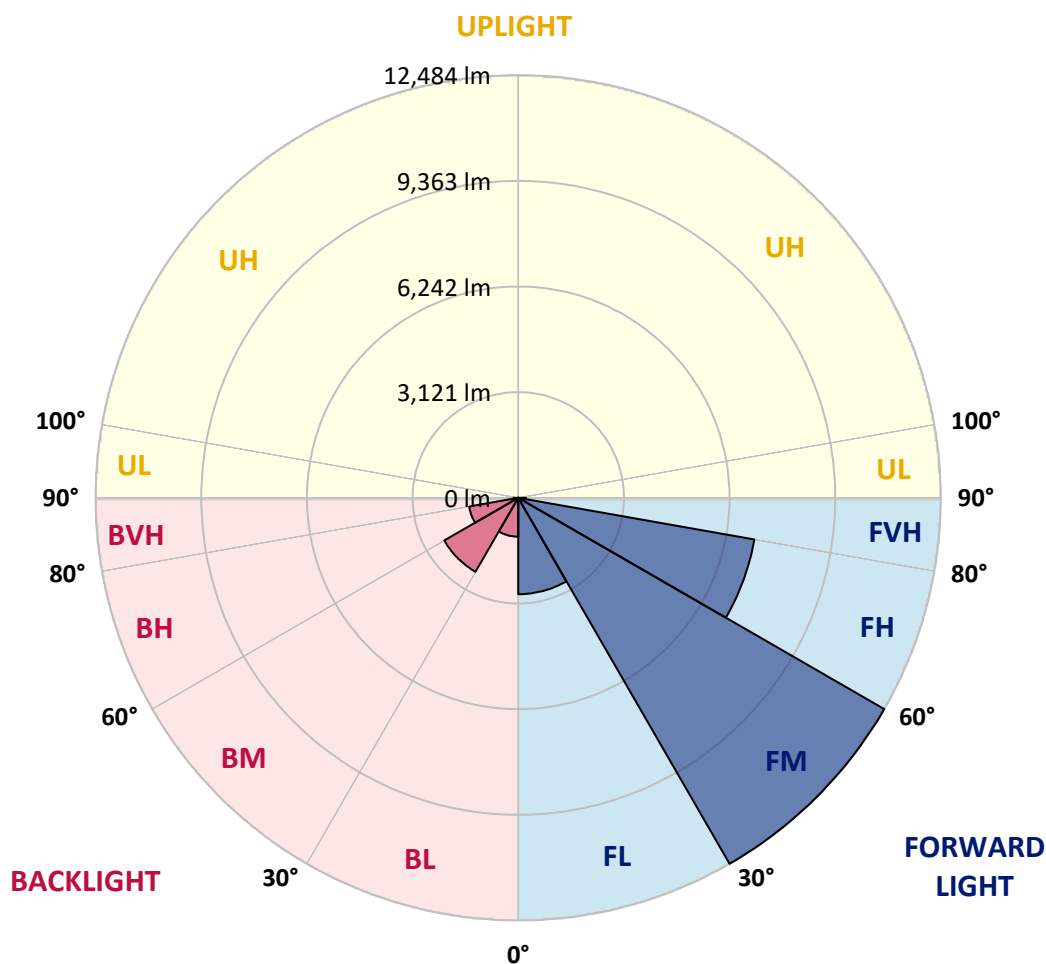
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2846.3  | 10.2      |                         |      |         |
| FM   | (30°-60°)   | 12483.6 | 44.7      |                         |      |         |
| FH   | (60°-80°)   | 7081.9  | 25.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 228.5   | 0.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 1148.4  | 4.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2522.9  | 9.0       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1473.5  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 136.9   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 77°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3276.1  | 3276.1  | 3276.1  | 3276.1  | 3276.1  | 3276.1  | 3276.1  | 3276.1  | 3276.1  | 3276.1  |
| 2.5°  | 4102.0  | 4130.8  | 4094.8  | 4094.8  | 3973.7  | 3910.3  | 3789.2  | 3697.0  | 3531.2  | 3502.4  |
| 5°    | 4848.6  | 4884.6  | 4834.2  | 4812.6  | 4669.9  | 4538.7  | 4335.5  | 4135.1  | 3839.7  | 3809.4  |
| 7.5°  | 5426.6  | 5472.7  | 5428.0  | 5404.9  | 5278.1  | 5131.1  | 4893.3  | 4613.7  | 4197.1  | 4138.0  |
| 10°   | 5897.9  | 5905.1  | 5890.7  | 5899.3  | 5799.9  | 5678.8  | 5435.2  | 5109.5  | 4589.2  | 4508.4  |
| 12.5° | 6164.5  | 6197.7  | 6226.5  | 6278.4  | 6261.1  | 6186.1  | 5967.1  | 5577.9  | 5004.3  | 4900.5  |
| 15°   | 6289.9  | 6347.6  | 6412.4  | 6532.1  | 6628.6  | 6647.4  | 6480.2  | 6080.9  | 5426.6  | 5301.2  |
| 17.5° | 6334.6  | 6389.4  | 6491.7  | 6664.7  | 6872.2  | 7012.0  | 6937.1  | 6569.5  | 5844.5  | 5700.4  |
| 20°   | 6560.9  | 6576.7  | 6638.7  | 6803.0  | 7027.9  | 7259.9  | 7316.1  | 7039.4  | 6258.2  | 6095.3  |
| 22.5° | 7045.2  | 7013.5  | 7030.8  | 7105.7  | 7267.1  | 7492.0  | 7620.3  | 7454.5  | 6683.4  | 6496.0  |
| 25°   | 7845.1  | 7752.9  | 7660.6  | 7574.1  | 7656.3  | 7783.1  | 7928.7  | 7869.6  | 7128.8  | 6890.9  |
| 27.5° | 8855.5  | 8743.0  | 8539.8  | 8255.9  | 8156.4  | 8201.1  | 8266.0  | 8254.4  | 7541.0  | 7300.3  |
| 30°   | 9850.0  | 9718.8  | 9476.7  | 9065.9  | 8803.6  | 8685.4  | 8636.4  | 8603.2  | 7989.2  | 7732.7  |
| 32.5° | 10644.1 | 10540.4 | 10302.5 | 9842.8  | 9462.3  | 9260.5  | 9097.6  | 8979.4  | 8457.7  | 8201.1  |
| 35°   | 11338.9 | 11242.3 | 10969.9 | 10468.3 | 10054.6 | 9839.9  | 9626.6  | 9374.3  | 8944.8  | 8685.4  |
| 37.5° | 11973.0 | 11876.5 | 11503.2 | 10981.4 | 10564.9 | 10416.4 | 10226.2 | 9798.1  | 9433.4  | 9188.4  |
| 40°   | 12373.7 | 12352.1 | 12003.3 | 11412.4 | 10980.0 | 10906.5 | 10843.0 | 10289.6 | 9975.4  | 9747.6  |
| 42.5° | 12476.1 | 12523.6 | 12246.9 | 11761.2 | 11348.9 | 11289.9 | 11438.3 | 10845.9 | 10583.6 | 10366.0 |
| 45°   | 12229.6 | 12366.5 | 12184.9 | 11854.8 | 11611.3 | 11579.6 | 11965.8 | 11454.2 | 11256.7 | 11057.8 |
| 47.5° | 11605.5 | 11837.6 | 11762.6 | 11716.5 | 11681.9 | 11818.8 | 12429.9 | 12099.9 | 12019.2 | 11846.2 |
| 50°   | 10345.8 | 10785.4 | 10916.6 | 11207.7 | 11542.1 | 12004.7 | 12852.2 | 12804.7 | 12909.9 | 12735.5 |
| 52.5° | 8168.0  | 8773.3  | 9534.3  | 10263.6 | 11112.6 | 11942.8 | 13316.3 | 13816.5 | 14260.4 | 14165.3 |
| 55°   | 6742.5  | 7014.9  | 7600.1  | 8937.6  | 10279.5 | 11681.9 | 13525.3 | 14633.7 | 15600.8 | 15515.8 |
| 57.5° | 5647.1  | 5890.7  | 6251.0  | 7368.0  | 9019.8  | 11089.5 | 13655.1 | 15132.4 | 16519.0 | 16510.3 |
| 60°   | 4472.4  | 4730.4  | 5099.4  | 5890.7  | 7548.2  | 10066.2 | 13626.2 | 15700.3 | 17690.7 | 17762.8 |
| 62.5° | 3146.4  | 3430.3  | 3839.7  | 4577.6  | 6044.9  | 8740.2  | 13038.2 | 16111.1 | 19070.1 | 19266.1 |
| 65°   | 2068.3  | 2255.7  | 2564.1  | 3201.2  | 4504.1  | 7035.1  | 11915.4 | 16164.4 | 20546.0 | 20877.5 |
| 67.5° | 1450.0  | 1522.0  | 1703.6  | 2049.6  | 2969.1  | 5394.9  | 10126.7 | 15612.4 | 21530.4 | 21903.7 |
| 70°   | 1131.4  | 1167.5  | 1259.7  | 1398.1  | 1865.1  | 3627.8  | 7760.1  | 14176.8 | 21320.0 | 21709.1 |
| 72.5° | 977.2   | 1011.8  | 1046.4  | 1063.7  | 1251.1  | 2239.8  | 5256.5  | 11853.4 | 19338.2 | 19601.9 |
| 75°   | 886.4   | 895.1   | 923.9   | 918.1   | 954.2   | 1452.8  | 3034.0  | 8636.4  | 15257.8 | 15167.0 |
| 77.5° | 745.2   | 756.7   | 804.3   | 797.0   | 847.5   | 993.1   | 1575.4  | 5573.6  | 9891.8  | 9274.9  |
| 80°   | 631.3   | 637.1   | 689.0   | 680.3   | 736.5   | 719.2   | 804.3   | 2840.8  | 4195.7  | 3554.3  |
| 82.5° | 219.1   | 271.0   | 526.1   | 541.9   | 562.1   | 435.3   | 464.1   | 1158.8  | 1281.3  | 981.5   |
| 85°   | 106.7   | 113.9   | 268.1   | 380.5   | 379.1   | 219.1   | 226.3   | 413.7   | 403.6   | 317.1   |
| 87.5° | 17.3    | 21.6    | 31.7    | 148.5   | 118.2   | 57.7    | 77.8    | 80.7    | 83.6    | 72.1    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3276.1  | 0°    | 3276.1  | 3276.1 | 3276.1 | 3276.1 | 3276.1 | 3276.1 | 3276.1 | 3276.1 | 3276.1 | 3276.1 |
| 3392.9  | 2.5°  | 3312.2  | 3240.1 | 3088.7 | 2948.9 | 2839.4 | 2734.2 | 2675.1 | 2624.6 | 2595.8 | 2590.1 |
| 3551.4  | 5°    | 3401.5  | 3253.1 | 2977.8 | 2745.7 | 2594.4 | 2482.0 | 2422.9 | 2385.4 | 2366.6 | 2355.1 |
| 3764.7  | 7.5°  | 3529.8  | 3312.2 | 2920.1 | 2656.4 | 2497.8 | 2417.1 | 2386.8 | 2381.1 | 2379.6 | 2381.1 |
| 4022.7  | 10°   | 3707.1  | 3408.7 | 2914.3 | 2634.7 | 2502.1 | 2457.4 | 2456.0 | 2457.4 | 2463.2 | 2464.7 |
| 4303.8  | 12.5° | 3898.8  | 3508.2 | 2937.4 | 2653.5 | 2556.9 | 2532.4 | 2528.1 | 2526.6 | 2531.0 | 2533.8 |
| 4587.7  | 15°   | 4107.8  | 3639.3 | 2976.3 | 2693.8 | 2617.4 | 2591.5 | 2587.2 | 2578.5 | 2577.1 | 2575.6 |
| 4886.1  | 17.5° | 4322.5  | 3769.0 | 3019.6 | 2737.1 | 2656.4 | 2620.3 | 2604.5 | 2584.3 | 2568.4 | 2564.1 |
| 5194.5  | 20°   | 4540.2  | 3897.3 | 3049.8 | 2758.7 | 2659.2 | 2608.8 | 2577.1 | 2542.5 | 2515.1 | 2499.2 |
| 5505.8  | 22.5° | 4772.2  | 4031.4 | 3068.6 | 2752.9 | 2633.3 | 2564.1 | 2506.5 | 2466.1 | 2424.3 | 2396.9 |
| 5820.0  | 25°   | 4998.5  | 4148.1 | 3067.1 | 2722.7 | 2582.8 | 2494.9 | 2421.4 | 2369.5 | 2311.9 | 2283.0 |
| 6144.3  | 27.5° | 5216.1  | 4253.3 | 3031.1 | 2669.3 | 2510.8 | 2412.8 | 2324.8 | 2262.9 | 2206.7 | 2179.3 |
| 6471.5  | 30°   | 5441.0  | 4341.3 | 2974.9 | 2591.5 | 2425.7 | 2317.6 | 2221.1 | 2167.7 | 2117.3 | 2091.4 |
| 6817.4  | 32.5° | 5664.4  | 4422.0 | 2895.6 | 2494.9 | 2327.7 | 2224.0 | 2128.8 | 2079.8 | 2049.6 | 2049.6 |
| 7189.3  | 35°   | 5900.8  | 4478.2 | 2790.4 | 2382.5 | 2224.0 | 2124.5 | 2049.6 | 2020.7 | 2017.8 | 2000.6 |
| 7582.8  | 37.5° | 6150.1  | 4514.2 | 2662.1 | 2267.2 | 2121.6 | 2027.9 | 2004.9 | 1970.3 | 1941.5 | 1904.0 |
| 8015.2  | 40°   | 6412.4  | 4550.2 | 2507.9 | 2147.6 | 2013.5 | 1961.6 | 1951.5 | 1905.4 | 1823.3 | 1731.0 |
| 8505.2  | 42.5° | 6731.0  | 4574.7 | 2347.9 | 2027.9 | 1899.7 | 1882.4 | 1896.8 | 1817.5 | 1686.3 | 1617.2 |
| 9096.2  | 45°   | 7099.9  | 4615.1 | 2200.9 | 1909.7 | 1782.9 | 1782.9 | 1843.4 | 1739.7 | 1631.6 | 1588.3 |
| 9770.7  | 47.5° | 7578.5  | 4708.8 | 2064.0 | 1780.0 | 1674.8 | 1703.6 | 1725.3 | 1646.0 | 1585.5 | 1532.1 |
| 10592.3 | 50°   | 8270.3  | 4933.6 | 1922.7 | 1648.9 | 1592.7 | 1650.3 | 1620.0 | 1573.9 | 1503.3 | 1460.1 |
| 11898.1 | 52.5° | 9129.3  | 5066.2 | 1797.3 | 1530.7 | 1522.0 | 1579.7 | 1536.4 | 1493.2 | 1439.9 | 1382.2 |
| 12888.3 | 55°   | 9714.5  | 5090.7 | 1692.1 | 1444.2 | 1474.5 | 1468.7 | 1452.8 | 1413.9 | 1385.1 | 1308.7 |
| 13865.5 | 57.5° | 10368.8 | 5139.7 | 1605.6 | 1392.3 | 1444.2 | 1380.8 | 1375.0 | 1341.9 | 1304.4 | 1252.5 |
| 15057.5 | 60°   | 11151.5 | 5216.1 | 1530.7 | 1372.1 | 1418.3 | 1323.1 | 1294.3 | 1281.3 | 1243.9 | 1217.9 |
| 16491.6 | 62.5° | 12004.7 | 5285.3 | 1454.3 | 1375.0 | 1388.0 | 1266.9 | 1223.7 | 1219.4 | 1196.3 | 1187.6 |
| 17837.8 | 65°   | 12587.0 | 5096.5 | 1359.2 | 1372.1 | 1340.4 | 1209.3 | 1154.5 | 1153.1 | 1134.3 | 1131.4 |
| 18421.5 | 67.5° | 12383.8 | 4498.4 | 1230.9 | 1331.8 | 1291.4 | 1151.6 | 1091.1 | 1085.3 | 1060.8 | 1062.3 |
| 17811.8 | 70°   | 11366.2 | 3645.1 | 1053.6 | 1232.3 | 1230.9 | 1099.7 | 1024.8 | 1006.0 | 972.9  | 978.7  |
| 15487.0 | 72.5° | 9457.9  | 2701.0 | 815.8  | 1066.6 | 1134.3 | 1052.2 | 948.4  | 918.1  | 876.3  | 882.1  |
| 11432.5 | 75°   | 6830.4  | 1836.2 | 593.8  | 811.5  | 987.3  | 996.0  | 873.4  | 821.6  | 771.1  | 779.8  |
| 6363.4  | 77.5° | 3495.2  | 1040.6 | 436.7  | 559.2  | 775.4  | 905.1  | 805.7  | 736.5  | 725.0  | 805.7  |
| 1834.8  | 80°   | 1140.1  | 521.8  | 302.7  | 392.0  | 508.8  | 740.8  | 706.2  | 627.0  | 624.1  | 642.8  |
| 384.8   | 82.5° | 340.2   | 220.5  | 194.6  | 258.0  | 281.1  | 567.9  | 609.7  | 474.2  | 407.9  | 429.5  |
| 128.3   | 85°   | 116.7   | 106.7  | 111.0  | 128.3  | 134.0  | 332.9  | 426.6  | 314.2  | 296.9  | 327.2  |
| 28.8    | 87.5° | 27.4    | 37.5   | 31.7   | 28.8   | 28.8   | 80.7   | 165.8  | 131.2  | 181.6  | 121.1  |
| 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°   |
|--------|
| 3276.1 |
| 2590.1 |
| 2353.7 |
| 2385.4 |
| 2466.1 |
| 2535.3 |
| 2574.2 |
| 2568.4 |
| 2505.0 |
| 2398.4 |
| 2283.0 |
| 2177.8 |
| 2089.9 |
| 2051.0 |
| 1996.2 |
| 1898.2 |
| 1718.1 |
| 1618.6 |
| 1595.5 |
| 1530.7 |
| 1455.7 |
| 1370.7 |
| 1310.2 |
| 1235.2 |
| 1225.1 |
| 1187.6 |
| 1130.0 |
| 1062.3 |
| 984.4  |
| 880.6  |
| 782.6  |
| 794.2  |
| 552.0  |
| 443.9  |
| 322.9  |
| 116.7  |
| 0.0    |