

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: P940845

Luminaire Tested: **GLAN-SB4A-835-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

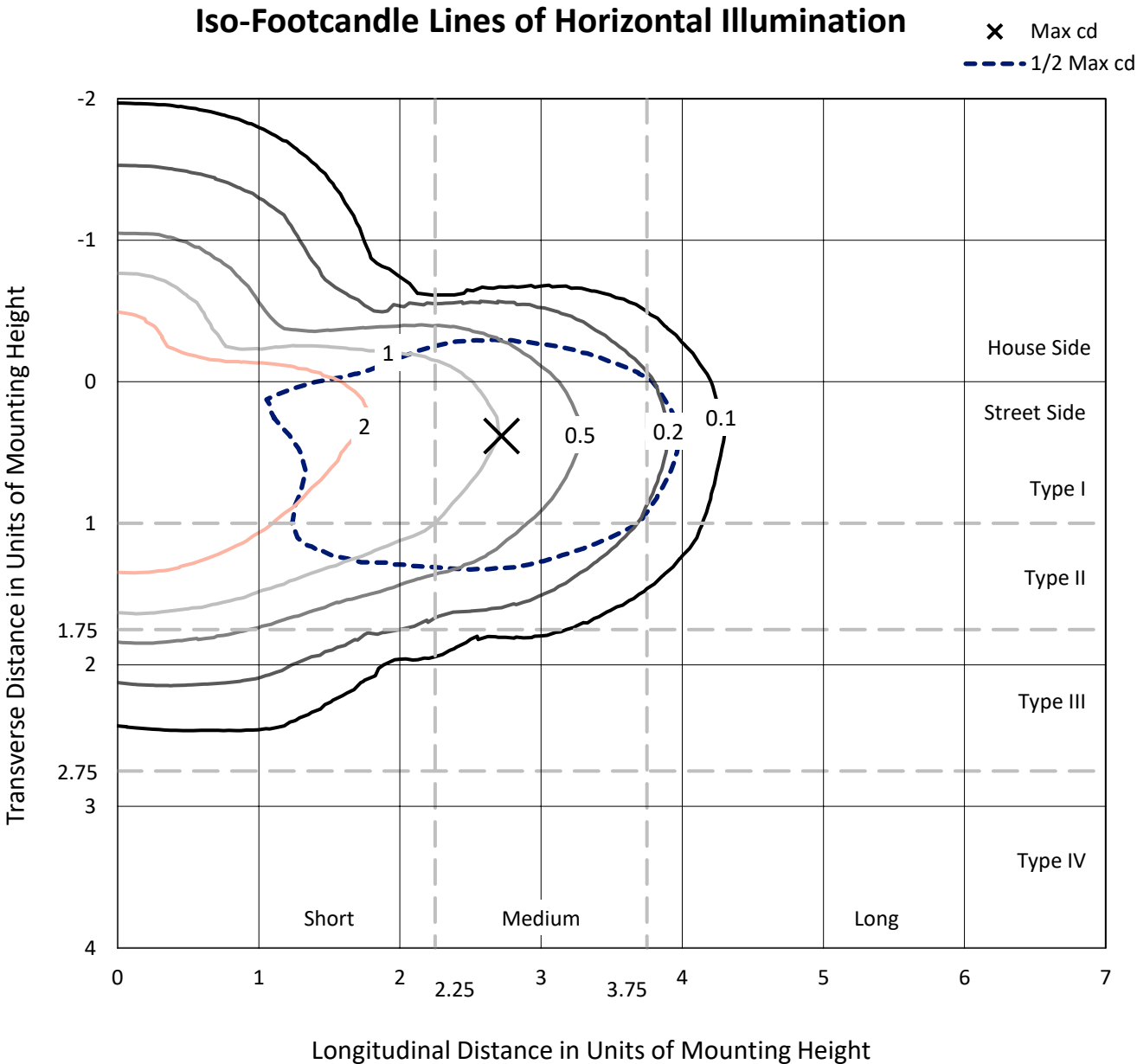
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16523 lumens  
Efficiency: N/A  
Efficacy: 144.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 114  
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



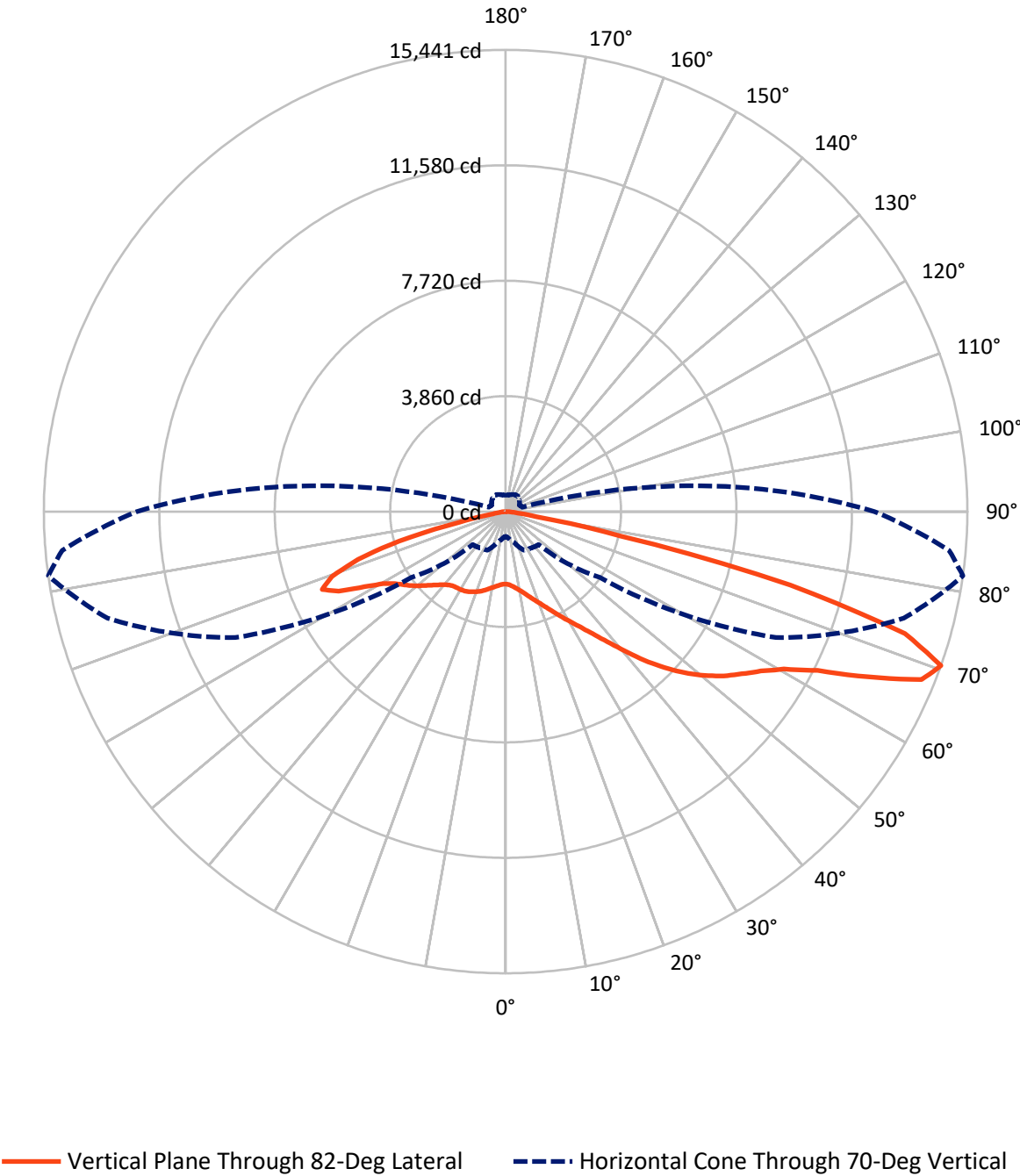
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Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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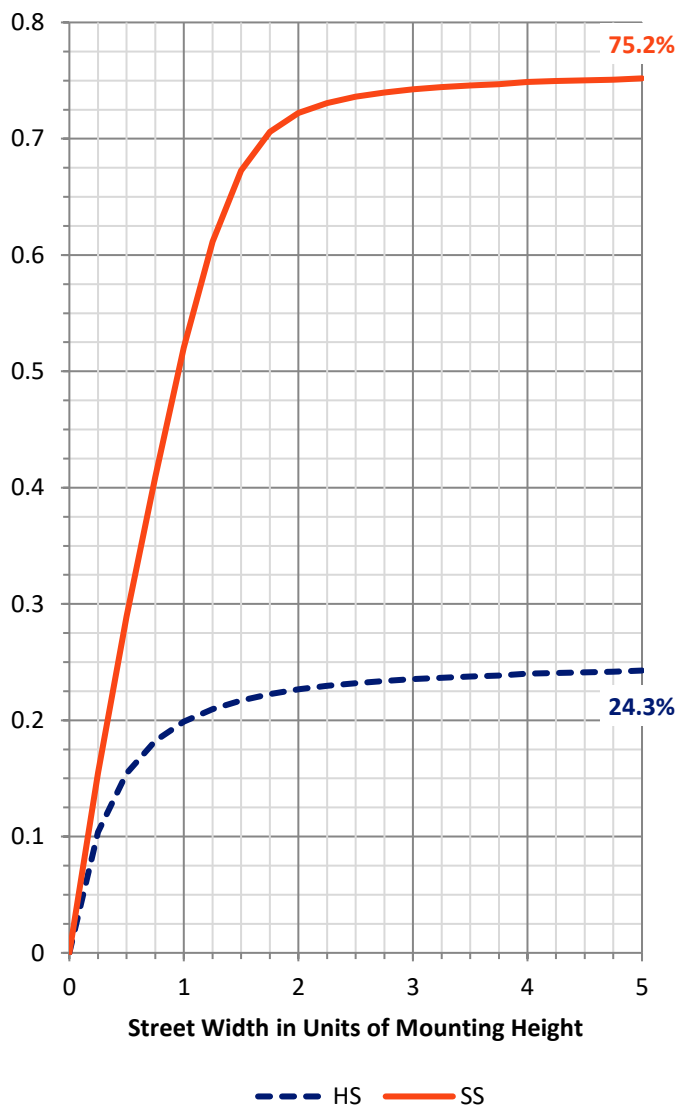
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4073.3   | 0.0    | 4073.3  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 12449.7  | 0.0    | 12449.7 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 16523.0  | 0.0    | 16523.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 228.7   | 1.4       |
| 10°-20°   | 657.1   | 4.0       |
| 20°-30°   | 1099.3  | 6.7       |
| 30°-40°   | 1717.4  | 10.4      |
| 40°-50°   | 2735.2  | 16.6      |
| 50°-60°   | 3806.4  | 23.0      |
| 60°-70°   | 3981.7  | 24.1      |
| 70°-80°   | 2081.0  | 12.6      |
| 80°-90°   | 216.1   | 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°    | 16523.0 | 100.0     |
| 0°-180°   | 16523.0 | 100.0     |

**Coefficient of Utilization**



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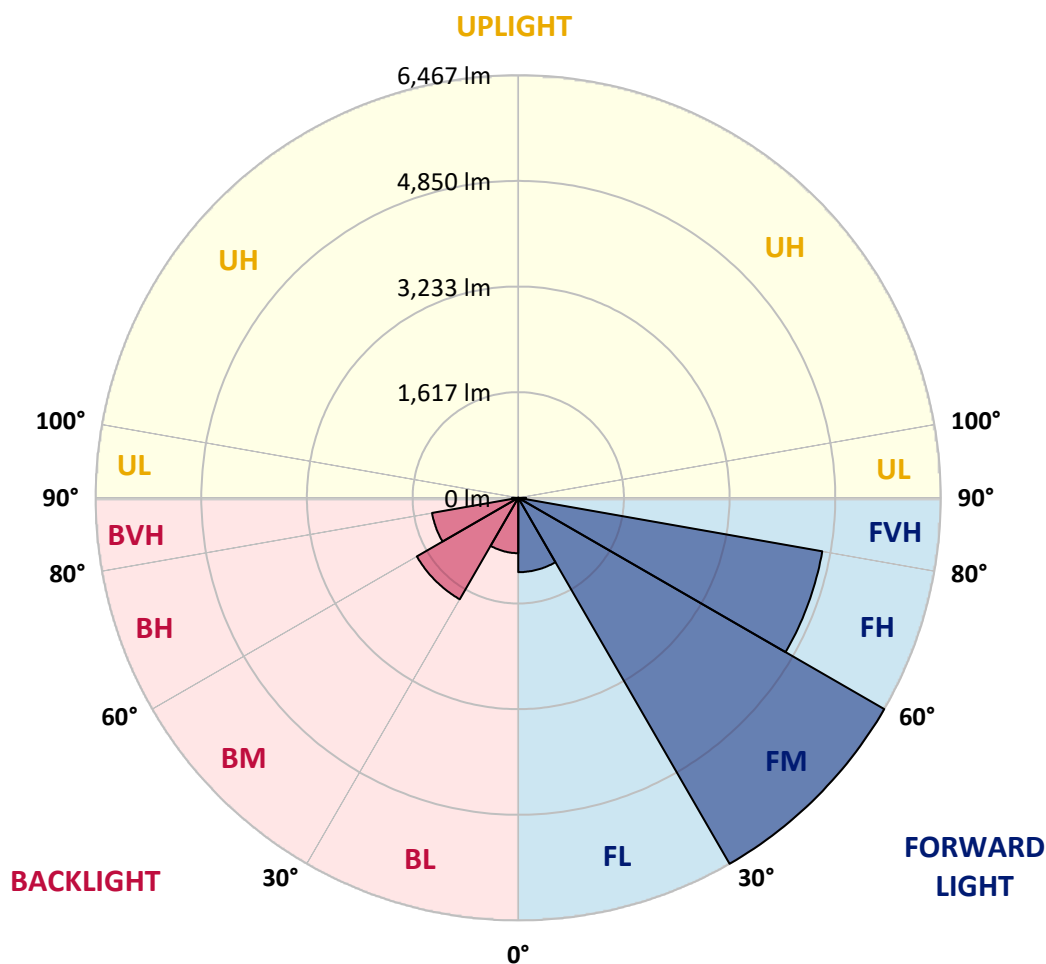
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1137.8 | 6.9       |                         |      |         |
| FM   | (30°-60°)   | 6466.9 | 39.1      |                         |      |         |
| FH   | (60°-80°)   | 4724.0 | 28.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 121.0  | 0.7       |                         |      | G2/225  |
| BL   | (0°-30°)    | 847.4  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1792.1 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1338.7 | 8.1       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 95.1   | 0.6       |                         |      | G1/100  |
| 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°     | 82°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5  | 2422.5  | 2422.5  |
| 2.5°  | 2480.3 | 2494.4 | 2490.0 | 2485.6 | 2485.6 | 2479.5 | 2478.6 | 2469.8  | 2462.8  | 2451.4  |
| 5°    | 2511.9 | 2526.8 | 2525.1 | 2528.6 | 2540.0 | 2542.6 | 2545.2 | 2540.0  | 2525.9  | 2511.9  |
| 7.5°  | 2483.9 | 2500.5 | 2505.8 | 2526.8 | 2561.9 | 2593.4 | 2617.1 | 2626.8  | 2613.6  | 2593.4  |
| 10°   | 2389.2 | 2407.6 | 2426.0 | 2476.0 | 2538.2 | 2612.7 | 2675.9 | 2713.6  | 2710.9  | 2691.6  |
| 12.5° | 2197.2 | 2216.4 | 2255.9 | 2353.2 | 2467.2 | 2598.7 | 2716.2 | 2795.1  | 2822.3  | 2808.3  |
| 15°   | 2043.7 | 2060.4 | 2090.2 | 2190.1 | 2338.3 | 2538.2 | 2731.1 | 2884.5  | 2953.8  | 2945.9  |
| 17.5° | 2039.3 | 2046.3 | 2064.8 | 2112.1 | 2226.1 | 2443.5 | 2715.3 | 2972.2  | 3104.6  | 3103.7  |
| 20°   | 2116.5 | 2119.1 | 2129.6 | 2139.3 | 2204.2 | 2371.6 | 2675.0 | 3045.0  | 3273.8  | 3273.8  |
| 22.5° | 2223.5 | 2221.7 | 2232.2 | 2223.5 | 2255.0 | 2365.5 | 2649.6 | 3109.0  | 3462.3  | 3476.3  |
| 25°   | 2383.9 | 2375.1 | 2372.5 | 2352.3 | 2358.5 | 2422.5 | 2677.6 | 3181.7  | 3685.9  | 3714.8  |
| 27.5° | 2597.8 | 2583.8 | 2574.2 | 2527.7 | 2511.9 | 2540.0 | 2763.5 | 3269.4  | 3934.9  | 3984.9  |
| 30°   | 2876.6 | 2851.2 | 2837.2 | 2756.5 | 2699.5 | 2703.9 | 2893.3 | 3386.0  | 4195.3  | 4275.9  |
| 32.5° | 3257.2 | 3217.7 | 3180.0 | 3047.6 | 2943.3 | 2909.1 | 3060.8 | 3547.4  | 4477.6  | 4606.5  |
| 35°   | 3683.3 | 3651.7 | 3611.4 | 3407.1 | 3246.6 | 3167.7 | 3287.0 | 3772.7  | 4808.1  | 5012.4  |
| 37.5° | 4093.6 | 4066.4 | 4085.7 | 3810.4 | 3603.5 | 3488.6 | 3583.3 | 4075.2  | 5215.8  | 5517.4  |
| 40°   | 4517.9 | 4496.9 | 4499.5 | 4236.5 | 3995.4 | 3866.5 | 3942.8 | 4454.8  | 5683.1  | 6118.0  |
| 42.5° | 4979.1 | 4963.3 | 4910.7 | 4677.5 | 4406.6 | 4286.5 | 4356.6 | 4893.2  | 6184.6  | 6801.9  |
| 45°   | 5495.5 | 5485.9 | 5436.8 | 5169.4 | 4859.0 | 4724.0 | 4818.7 | 5377.1  | 6688.8  | 7445.4  |
| 47.5° | 5941.8 | 5949.7 | 5943.5 | 5718.2 | 5396.4 | 5198.3 | 5311.4 | 5882.2  | 7157.8  | 8050.4  |
| 50°   | 6156.6 | 6197.8 | 6258.3 | 6188.1 | 5988.2 | 5786.6 | 5808.5 | 6369.6  | 7605.0  | 8617.6  |
| 52.5° | 6044.4 | 6122.4 | 6287.2 | 6399.4 | 6476.6 | 6434.5 | 6375.8 | 6853.6  | 8025.8  | 9129.7  |
| 55°   | 5626.1 | 5735.7 | 6009.3 | 6280.2 | 6673.9 | 6979.9 | 7057.0 | 7390.2  | 8436.2  | 9580.3  |
| 57.5° | 4864.2 | 5042.2 | 5287.7 | 5835.7 | 6498.5 | 7243.8 | 7851.4 | 8134.5  | 8871.0  | 10061.7 |
| 60°   | 3557.9 | 3796.4 | 4101.5 | 4916.9 | 5884.8 | 7102.6 | 8527.3 | 9277.8  | 9489.1  | 10685.0 |
| 62.5° | 2276.9 | 2424.2 | 2704.8 | 3472.8 | 4585.4 | 6379.3 | 8734.2 | 10707.0 | 10536.9 | 11707.3 |
| 65°   | 1558.9 | 1653.6 | 1910.5 | 2341.8 | 2964.3 | 4748.5 | 8180.1 | 11778.3 | 12200.9 | 13327.6 |
| 67.5° | 1132.8 | 1204.7 | 1423.9 | 1801.7 | 1931.5 | 2810.0 | 6347.7 | 11729.2 | 13818.6 | 14996.9 |
| 70°   | 825.9  | 876.8  | 1060.9 | 1423.9 | 1486.1 | 1563.3 | 3845.5 | 9970.5  | 13783.5 | 15440.6 |
| 72.5° | 612.0  | 647.0  | 770.7  | 1104.7 | 1202.9 | 1055.6 | 1903.4 | 7246.4  | 11844.1 | 13965.9 |
| 75°   | 442.8  | 469.1  | 560.2  | 845.2  | 962.7  | 804.0  | 949.5  | 4234.7  | 8261.7  | 9824.1  |
| 77.5° | 338.4  | 358.6  | 418.2  | 619.0  | 770.7  | 603.2  | 589.2  | 1948.2  | 3917.3  | 3936.6  |
| 80°   | 271.8  | 284.9  | 317.4  | 435.7  | 590.9  | 451.5  | 384.0  | 786.5   | 1238.0  | 1047.7  |
| 82.5° | 199.9  | 221.8  | 268.3  | 306.0  | 422.6  | 311.2  | 234.1  | 397.2   | 470.8   | 405.1   |
| 85°   | 114.0  | 128.9  | 162.2  | 219.2  | 270.0  | 190.3  | 134.1  | 176.2   | 219.2   | 179.7   |
| 87.5° | 40.3   | 52.6   | 57.0   | 85.9   | 117.5  | 78.9   | 51.7   | 50.9    | 71.9    | 53.5    |
| 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°   |
|---------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2422.5  | 0°    | 2422.5  | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 | 2422.5 |
| 2448.8  | 2.5°  | 2440.0  | 2435.6 | 2418.1 | 2394.4 | 2369.9 | 2346.2 | 2338.3 | 2321.7 | 2310.3 | 2304.1 |
| 2505.8  | 5°    | 2489.1  | 2475.1 | 2433.9 | 2381.3 | 2326.0 | 2266.4 | 2224.3 | 2185.8 | 2157.7 | 2131.4 |
| 2583.8  | 7.5°  | 2559.3  | 2534.7 | 2463.7 | 2371.6 | 2273.4 | 2174.4 | 2100.7 | 2044.6 | 2006.9 | 1982.3 |
| 2675.0  | 10°   | 2640.8  | 2603.1 | 2494.4 | 2356.7 | 2205.0 | 2063.0 | 1976.2 | 1928.0 | 1904.3 | 1891.2 |
| 2779.3  | 12.5° | 2734.6  | 2681.1 | 2525.9 | 2322.5 | 2100.7 | 1938.5 | 1878.9 | 1864.9 | 1865.7 | 1866.6 |
| 2910.8  | 15°   | 2850.3  | 2775.8 | 2551.4 | 2248.0 | 1964.8 | 1842.9 | 1832.4 | 1855.2 | 1878.9 | 1890.3 |
| 3059.9  | 17.5° | 2981.0  | 2875.8 | 2555.7 | 2125.3 | 1831.5 | 1781.6 | 1814.9 | 1864.0 | 1899.9 | 1915.7 |
| 3226.5  | 20°   | 3121.3  | 2977.5 | 2524.2 | 1951.7 | 1721.9 | 1731.6 | 1791.2 | 1854.3 | 1893.8 | 1914.0 |
| 3416.7  | 22.5° | 3281.7  | 3086.2 | 2448.8 | 1769.3 | 1632.5 | 1677.2 | 1747.4 | 1808.7 | 1850.0 | 1870.1 |
| 3640.3  | 25°   | 3464.9  | 3208.1 | 2330.4 | 1615.9 | 1555.4 | 1615.9 | 1686.0 | 1736.9 | 1770.2 | 1788.6 |
| 3890.2  | 27.5° | 3668.3  | 3335.2 | 2172.6 | 1494.0 | 1487.9 | 1552.7 | 1610.6 | 1650.1 | 1667.6 | 1681.6 |
| 4155.8  | 30°   | 3872.6  | 3450.9 | 1981.5 | 1401.9 | 1429.1 | 1490.5 | 1531.7 | 1549.2 | 1554.5 | 1557.1 |
| 4452.2  | 32.5° | 4093.6  | 3550.9 | 1780.7 | 1325.7 | 1373.0 | 1430.0 | 1454.5 | 1462.4 | 1437.9 | 1421.2 |
| 4811.6  | 35°   | 4361.0  | 3657.8 | 1584.3 | 1265.2 | 1317.8 | 1366.9 | 1374.8 | 1367.7 | 1338.8 | 1304.6 |
| 5262.3  | 37.5° | 4691.5  | 3791.1 | 1427.4 | 1222.2 | 1266.0 | 1298.5 | 1288.8 | 1287.1 | 1289.7 | 1249.4 |
| 5804.1  | 40°   | 5096.6  | 3964.7 | 1312.5 | 1188.9 | 1224.0 | 1231.0 | 1203.8 | 1218.7 | 1231.8 | 1170.5 |
| 6398.6  | 42.5° | 5546.4  | 4174.2 | 1239.7 | 1166.1 | 1188.9 | 1172.2 | 1130.1 | 1146.8 | 1145.0 | 1064.4 |
| 6995.6  | 45°   | 6004.9  | 4402.2 | 1214.3 | 1149.4 | 1156.4 | 1123.1 | 1076.7 | 1081.0 | 1044.2 | 971.4  |
| 7568.2  | 47.5° | 6460.8  | 4646.8 | 1230.1 | 1135.4 | 1116.1 | 1078.4 | 1042.5 | 1023.2 | 968.8  | 914.5  |
| 8117.0  | 50°   | 6908.0  | 4903.7 | 1288.0 | 1107.3 | 1060.9 | 1039.0 | 1012.7 | 978.5  | 920.6  | 874.1  |
| 8636.1  | 52.5° | 7322.7  | 5162.3 | 1352.8 | 1060.9 | 991.6  | 1004.8 | 988.1  | 948.7  | 891.7  | 844.3  |
| 9127.0  | 55°   | 7715.5  | 5421.0 | 1378.3 | 996.9  | 926.7  | 975.0  | 965.3  | 892.5  | 824.2  | 785.6  |
| 9640.8  | 57.5° | 8143.3  | 5732.2 | 1350.2 | 915.3  | 874.1  | 940.8  | 903.9  | 823.3  | 783.8  | 754.9  |
| 10309.8 | 60°   | 8736.0  | 6220.6 | 1289.7 | 814.5  | 824.2  | 889.9  | 826.8  | 793.5  | 750.5  | 718.1  |
| 11312.8 | 62.5° | 9720.6  | 7131.5 | 1192.4 | 714.6  | 765.4  | 814.5  | 790.0  | 756.6  | 712.8  | 681.2  |
| 13027.7 | 65°   | 11176.0 | 8397.6 | 1009.1 | 636.5  | 699.7  | 740.9  | 750.5  | 717.2  | 671.6  | 638.3  |
| 14530.5 | 67.5° | 12403.5 | 9191.9 | 763.7  | 571.6  | 632.1  | 681.2  | 708.4  | 676.0  | 627.8  | 595.3  |
| 14882.1 | 70°   | 12336.0 | 8615.0 | 583.0  | 507.6  | 572.5  | 622.5  | 657.6  | 632.1  | 580.4  | 549.7  |
| 13517.8 | 72.5° | 10956.8 | 7206.9 | 471.7  | 442.8  | 512.0  | 561.1  | 603.2  | 583.9  | 531.3  | 501.5  |
| 9903.0  | 75°   | 8049.5  | 5115.9 | 377.0  | 377.0  | 436.6  | 497.1  | 543.6  | 531.3  | 483.1  | 462.1  |
| 4157.6  | 77.5° | 3393.0  | 2146.3 | 295.5  | 313.0  | 363.0  | 427.0  | 484.8  | 489.2  | 447.1  | 473.4  |
| 1099.5  | 80°   | 902.2   | 591.8  | 225.3  | 246.4  | 284.9  | 352.5  | 421.7  | 420.0  | 374.4  | 349.8  |
| 408.6   | 82.5° | 343.7   | 233.2  | 160.4  | 173.6  | 206.0  | 270.0  | 334.0  | 344.6  | 299.0  | 258.6  |
| 160.4   | 85°   | 132.4   | 100.0  | 99.1   | 104.3  | 120.1  | 178.9  | 252.5  | 261.3  | 225.3  | 191.1  |
| 44.7    | 87.5° | 34.2    | 29.8   | 36.8   | 35.1   | 55.2   | 95.6   | 144.7  | 149.9  | 137.7  | 79.8   |
| 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°   |
|--------|
| 2422.5 |
| 2311.1 |
| 2141.9 |
| 1987.6 |
| 1894.7 |
| 1868.4 |
| 1889.4 |
| 1919.2 |
| 1919.2 |
| 1875.4 |
| 1793.8 |
| 1686.9 |
| 1563.3 |
| 1426.5 |
| 1306.4 |
| 1252.0 |
| 1172.2 |
| 1063.5 |
| 974.1  |
| 914.5  |
| 870.6  |
| 845.2  |
| 782.1  |
| 752.3  |
| 716.3  |
| 681.2  |
| 640.0  |
| 596.2  |
| 552.4  |
| 501.5  |
| 455.9  |
| 429.6  |
| 325.3  |
| 258.6  |
| 197.3  |
| 114.0  |
| 0.0    |