Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: McGRAW-EDISON

Report Number: P954249

Luminaire Tested: **GALN-SB7C-760-U-SLR-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P954249 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 1/21/2025 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GALN-SB7C-760-U-SLR-HSS |
| Description: | GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE |
| | (7) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | - |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 43004 lumens |
| Efficiency: | N/A |
| Efficacy: | 122.7 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B3 - U0 - G5 |

| | |
|---|---|
| Input Watts (W): | 350.5 |
| 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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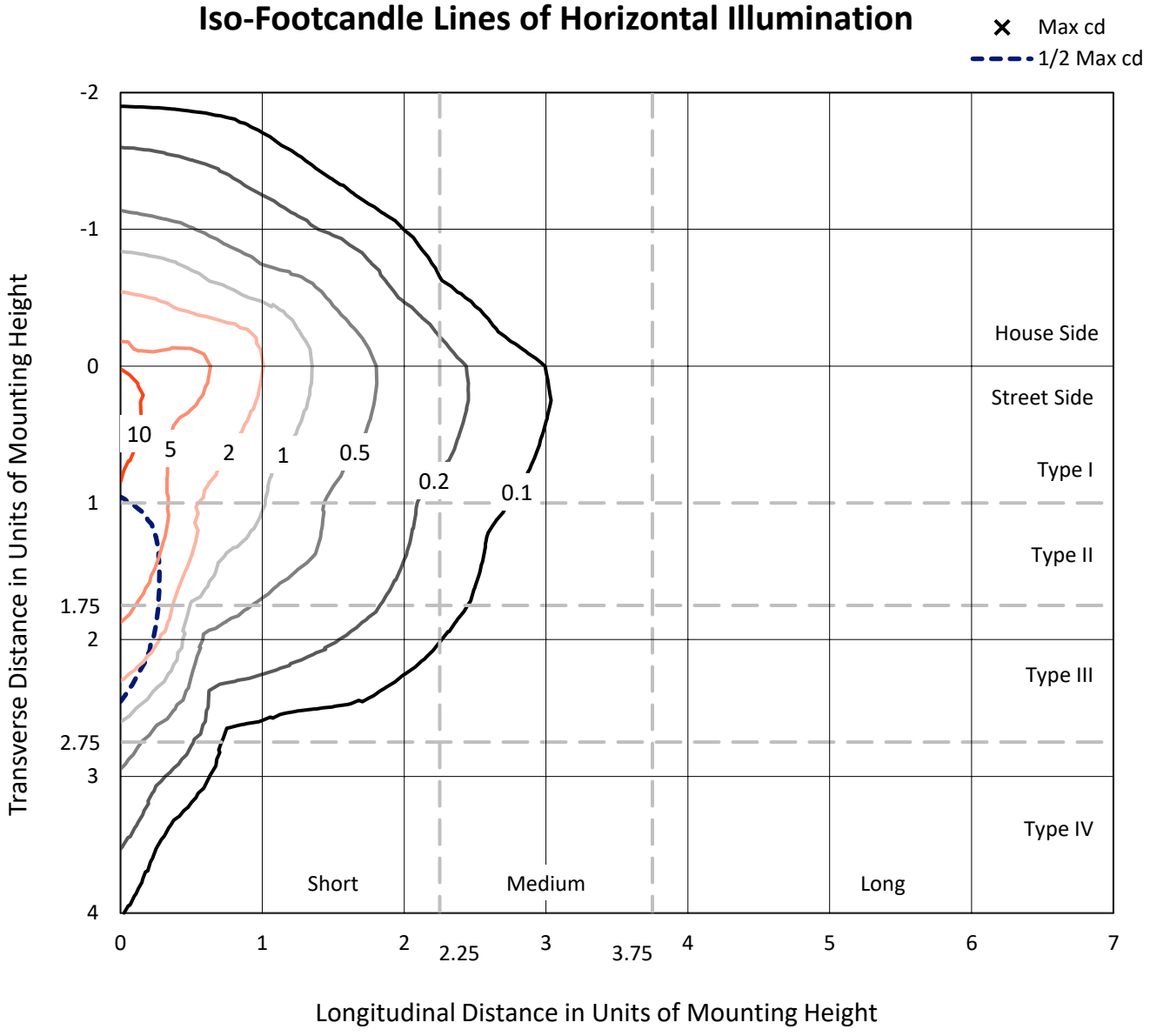
## Iso-Footcandle Lines of Horizontal Illumination




Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
Type IV - Short - N/A

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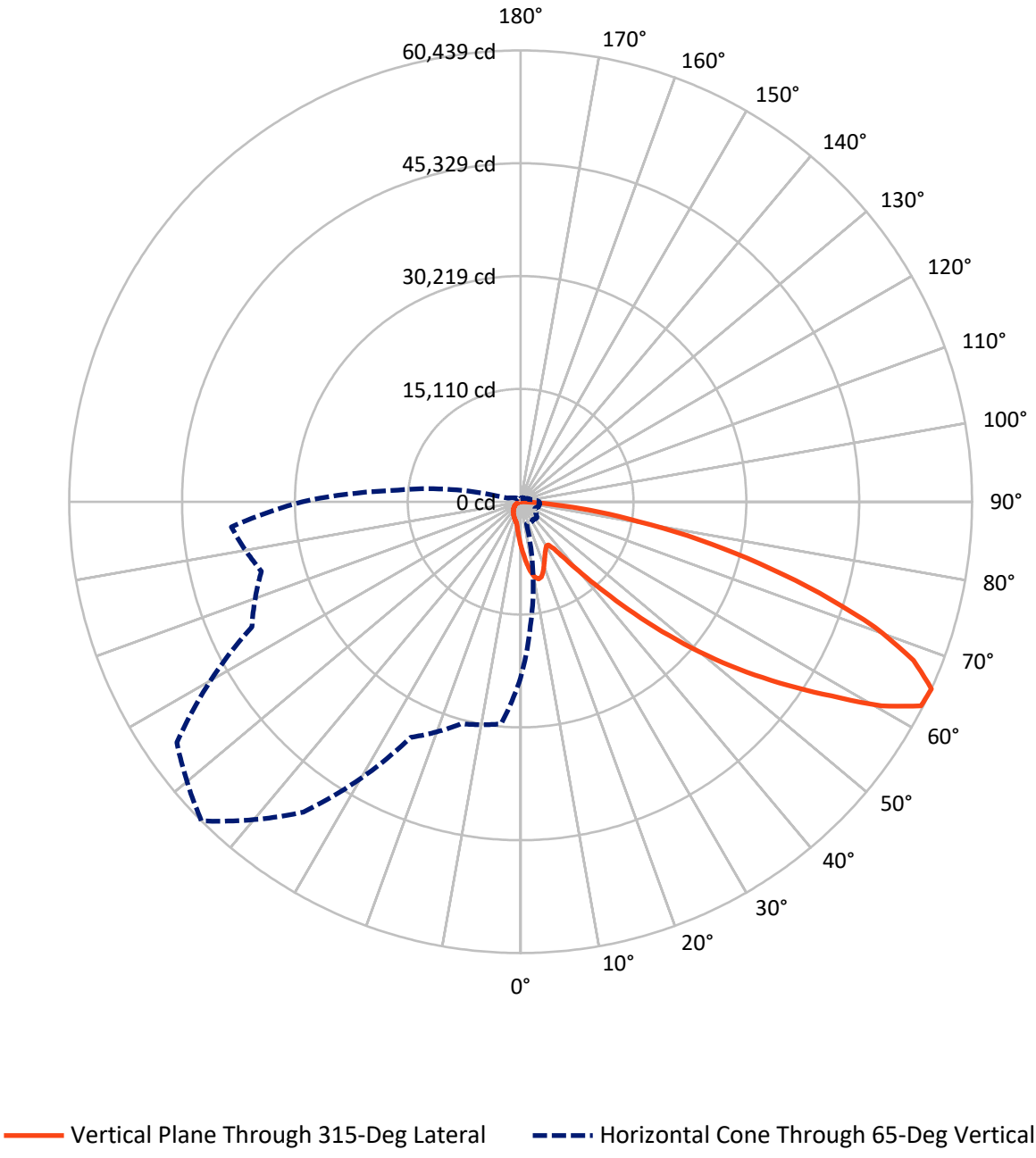
## Luminous Intensity Polar Plot



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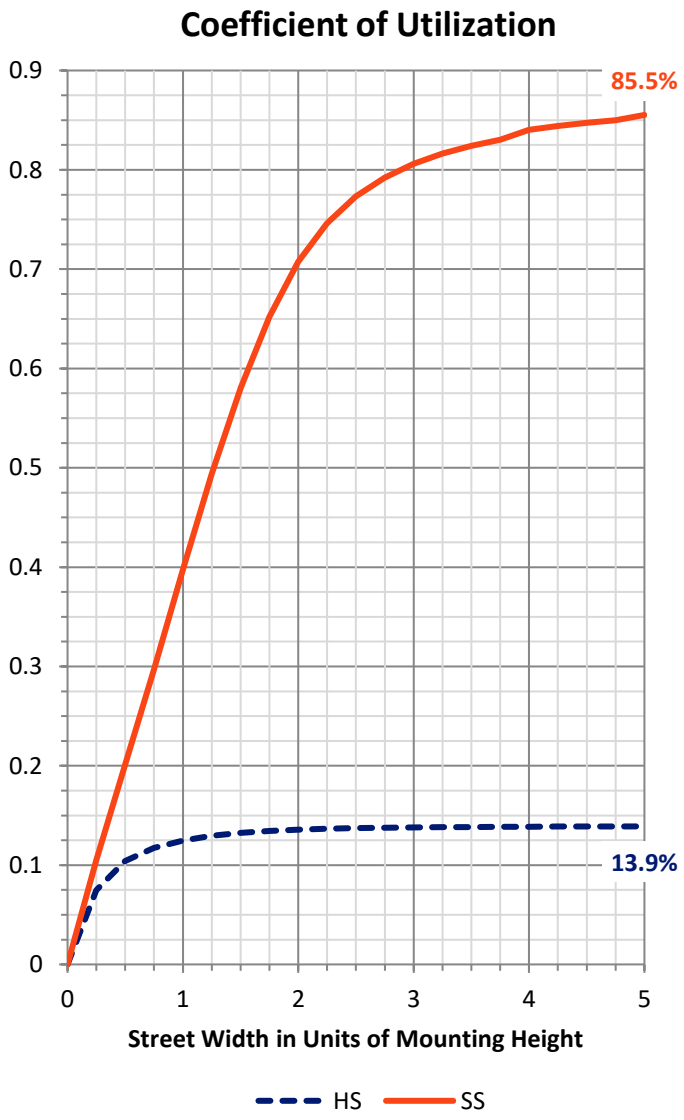
**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 6022.4 | 0.0 | 6022.4 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| **Street Side** | Lumens | 36981.6 | 0.0 | 36981.6 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| **Total** | Lumens | 43004.0 | 0.0 | 43004.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 586.3 | 1.4 |
| 10°-20° | 1757.4 | 4.1 |
| 20°-30° | 2589.1 | 6.0 |
| 30°-40° | 3326.2 | 7.7 |
| 40°-50° | 5379.5 | 12.5 |
| 50°-60° | 9433.5 | 21.9 |
| 60°-70° | 11803.8 | 27.4 |
| 70°-80° | 6897.6 | 16.0 |
| 80°-90° | 1230.6 | 2.9 |
| 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° | 43004.0 | 100.0 |
| 0°-180° | 43004.0 | 100.0 |



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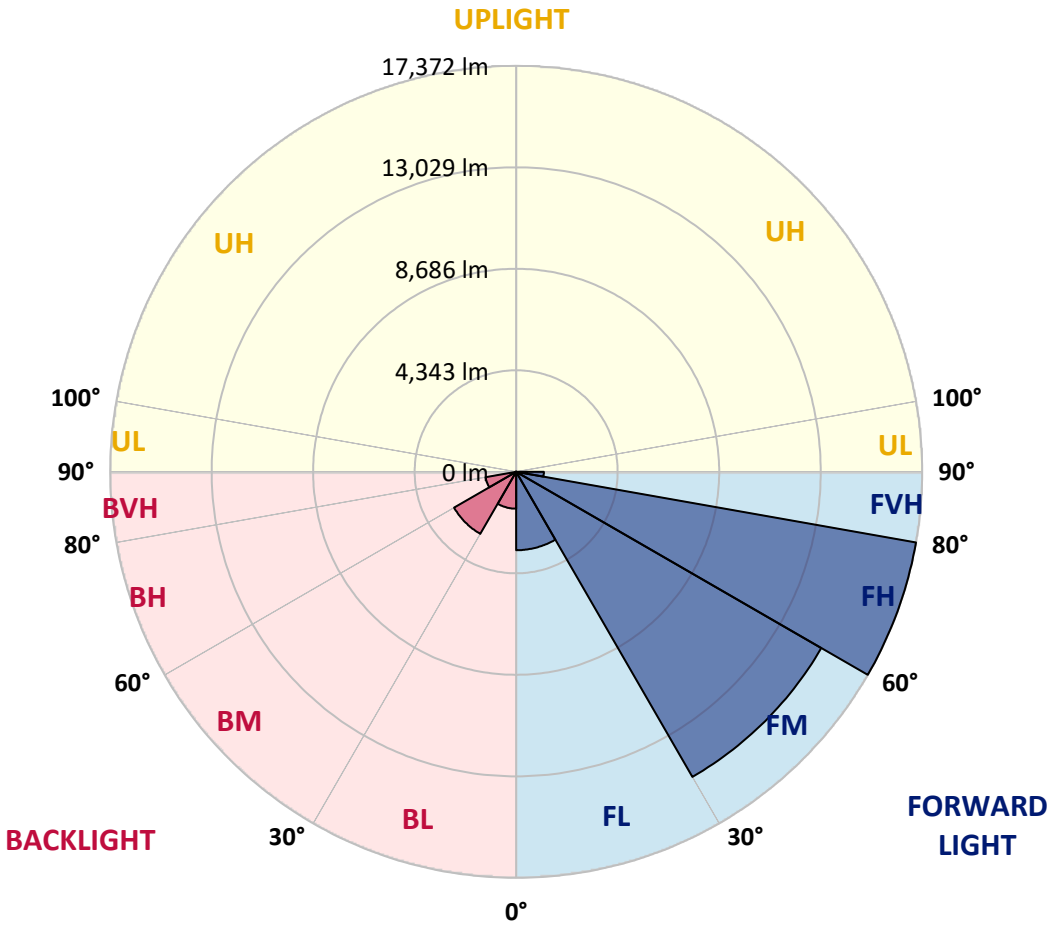
**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 3354.2 | 7.8 | | | |
| FM | (30°-60°) | 15072.4 | 35.0 | | | |
| FH | (60°-80°) | 17371.7 | 40.4 | | | G5 |
| FVH | (80°-90°) | 1183.4 | 2.8 | | | G5 |
| BL | (0°-30°) | 1578.6 | 3.7 | B3/2500 | | |
| BM | (30°-60°) | 3066.8 | 7.1 | B3/5000 | | |
| BH | (60°-80°) | 1329.8 | 3.1 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 47.3 | 0.1 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G5**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 |
| 2.5° | 6727.9 | 6612.4 | 6544.2 | 6375.4 | 6206.5 | 6070.2 | 5886.5 | 5765.1 | 5619.9 | 5480.7 |
| 5° | 7498.2 | 7311.5 | 7086.4 | 6778.3 | 6496.8 | 6209.5 | 5931.0 | 5655.5 | 5365.1 | 5098.5 |
| 7.5° | 8149.9 | 7880.3 | 7483.3 | 7074.5 | 6716.0 | 6369.4 | 6043.6 | 5679.2 | 5326.6 | 4908.9 |
| 10° | 8647.6 | 8304.0 | 7782.6 | 7246.3 | 6834.5 | 6485.0 | 6168.0 | 5859.9 | 5504.4 | 5000.7 |
| 12.5° | 8949.8 | 8582.4 | 7963.3 | 7335.2 | 6864.2 | 6473.1 | 6227.2 | 6091.0 | 5951.7 | 5451.0 |
| 15° | 9172.0 | 8775.0 | 8090.7 | 7397.4 | 6796.0 | 6316.1 | 6135.4 | 6271.7 | 6431.6 | 6111.7 |
| 17.5° | 9403.1 | 8985.3 | 8256.6 | 7424.1 | 6612.4 | 6011.0 | 5933.9 | 6286.5 | 6656.8 | 6642.0 |
| 20° | 9622.3 | 9207.5 | 8401.7 | 7406.3 | 6316.1 | 5640.7 | 5708.8 | 6159.1 | 6588.7 | 6769.4 |
| 22.5° | 9874.1 | 9435.6 | 8541.0 | 7338.2 | 5931.0 | 5294.0 | 5507.3 | 5957.6 | 6333.9 | 6547.2 |
| 25° | 10182.2 | 9723.0 | 8736.5 | 7237.5 | 5516.2 | 5006.7 | 5302.9 | 5723.6 | 6028.7 | 6176.9 |
| 27.5° | 10514.0 | 10066.7 | 8997.2 | 7184.1 | 5181.5 | 4802.3 | 5071.8 | 5445.1 | 5717.7 | 5821.4 |
| 30° | 10925.8 | 10466.6 | 9305.3 | 7124.9 | 4962.2 | 4683.8 | 4831.9 | 5122.2 | 5388.8 | 5492.5 |
| 32.5° | 11376.1 | 10911.0 | 9601.5 | 6982.7 | 4828.9 | 4594.9 | 4597.8 | 4781.5 | 5024.4 | 5148.9 |
| 35° | 11939.0 | 11444.2 | 9918.5 | 6671.6 | 4722.3 | 4491.2 | 4369.7 | 4458.6 | 4660.1 | 4808.2 |
| 37.5° | 12741.8 | 12143.4 | 10306.6 | 6227.2 | 4565.3 | 4331.2 | 4129.8 | 4150.5 | 4304.6 | 4467.5 |
| 40° | 13849.8 | 13082.5 | 10762.9 | 5765.1 | 4340.1 | 4106.1 | 3866.1 | 3857.2 | 3969.8 | 4129.8 |
| 42.5° | 15348.8 | 14323.8 | 11310.9 | 5323.7 | 4123.8 | 3833.5 | 3587.6 | 3572.8 | 3661.7 | 3800.9 |
| 45° | 17327.8 | 15911.7 | 11983.4 | 4944.5 | 3955.0 | 3566.9 | 3324.0 | 3318.0 | 3392.1 | 3513.6 |
| 47.5° | 19860.8 | 18118.8 | 12655.9 | 4686.7 | 3866.1 | 3356.5 | 3107.7 | 3119.5 | 3184.7 | 3294.3 |
| 50° | 23140.3 | 20995.4 | 12860.3 | 4556.4 | 3866.1 | 3244.0 | 2915.1 | 2974.4 | 3027.7 | 3110.7 |
| 52.5° | 27071.6 | 23756.5 | 12184.9 | 4437.9 | 3889.8 | 3258.8 | 2752.2 | 2879.6 | 2918.1 | 2989.2 |
| 55° | 30715.5 | 25110.4 | 10475.5 | 4274.9 | 3895.7 | 3350.6 | 2612.9 | 2802.5 | 2873.7 | 2900.3 |
| 57.5° | 32830.7 | 24645.3 | 8469.9 | 3999.4 | 3872.0 | 3412.8 | 2524.1 | 2707.7 | 2844.0 | 2861.8 |
| 60° | 32427.8 | 23012.9 | 6236.1 | 3789.1 | 3697.2 | 3389.1 | 2497.4 | 2562.6 | 2778.8 | 2805.5 |
| 62.5° | 29323.1 | 20275.5 | 4328.3 | 3626.1 | 3312.1 | 3285.4 | 2488.5 | 2334.5 | 2636.6 | 2701.8 |
| 65° | *23569.9* | *15962.1* | *3057.3* | *3122.5* | *2903.3* | *3060.3* | *2441.1* | *2097.5* | *2464.8* | *2553.7* |
| 67.5° | 17099.7 | 10801.4 | 2207.1 | 2530.0 | 2630.7 | 2695.9 | 2334.5 | 1925.6 | 2269.3 | 2387.8 |
| 70° | 10973.2 | 5833.2 | 1549.4 | 1670.9 | 2216.0 | 2290.0 | 2150.8 | 1771.6 | 2070.8 | 2207.1 |
| 72.5° | 7800.3 | 3445.4 | 1113.9 | 1170.2 | 1780.5 | 1907.9 | 1893.1 | 1599.8 | 1839.7 | 2005.6 |
| 75° | 5382.9 | 1899.0 | 752.5 | 835.4 | 1291.7 | 1549.4 | 1460.5 | 1374.6 | 1558.3 | 1727.2 |
| 77.5° | 3374.3 | 850.2 | 450.3 | 580.7 | 847.3 | 1217.6 | 1001.3 | 1063.5 | 1214.6 | 1371.6 |
| 80° | 1878.2 | 328.8 | 251.8 | 385.1 | 462.2 | 885.8 | 554.0 | 684.3 | 894.7 | 1007.3 |
| 82.5° | 408.8 | 41.5 | 112.6 | 165.9 | 180.7 | 515.5 | 293.3 | 397.0 | 562.9 | 554.0 |
| 85° | 0.0 | 0.0 | 20.7 | 23.7 | 11.9 | 222.2 | 106.7 | 130.4 | 183.7 | 171.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 |
| 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):**

| 90° | | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5954.7 | 0° | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 |
| 5356.2 | 2.5° | 5332.5 | 5187.4 | 5080.7 | 5027.4 | 4983.0 | 5024.4 | 5048.1 | 5048.1 | 5148.9 | 5208.1 |
| 4935.6 | 5° | 4831.9 | 4571.2 | 4372.7 | 4239.4 | 4159.4 | 4186.0 | 4215.7 | 4248.3 | 4375.7 | 4461.6 |
| 4686.7 | 7.5° | 4485.3 | 4085.3 | 3783.1 | 3596.5 | 3498.7 | 3513.6 | 3534.3 | 3561.0 | 3685.4 | 3771.3 |
| 4722.3 | 10° | 4420.1 | 3845.4 | 3418.8 | 3172.9 | 3054.4 | 3033.6 | 3021.8 | 3012.9 | 3087.0 | 3152.1 |
| 5125.2 | 12.5° | 4686.7 | 3857.2 | 3261.7 | 2962.5 | 2817.4 | 2755.1 | 2684.0 | 2627.8 | 2639.6 | 2681.1 |
| 5735.5 | 15° | 5163.7 | 4008.3 | 3211.4 | 2852.9 | 2672.2 | 2568.5 | 2485.6 | 2417.4 | 2402.6 | 2417.4 |
| 6268.7 | 17.5° | 5708.8 | 4212.7 | 3205.5 | 2758.1 | 2533.0 | 2426.3 | 2358.2 | 2296.0 | 2275.2 | 2278.2 |
| 6567.9 | 20° | 6070.2 | 4375.7 | 3187.7 | 2651.5 | 2399.6 | 2304.8 | 2245.6 | 2183.4 | 2162.6 | 2168.6 |
| 6485.0 | 22.5° | 6105.8 | 4461.6 | 3161.0 | 2533.0 | 2266.3 | 2186.3 | 2127.1 | 2070.8 | 2067.8 | 2067.8 |
| 6173.9 | 25° | 5913.2 | 4461.6 | 3104.7 | 2426.3 | 2138.9 | 2067.8 | 2014.5 | 1946.4 | 1958.2 | 1964.2 |
| 5821.4 | 27.5° | 5614.0 | 4354.9 | 2998.1 | 2340.4 | 2029.3 | 1955.3 | 1901.9 | 1839.7 | 1854.5 | 1863.4 |
| 5492.5 | 30° | 5317.7 | 4218.6 | 2870.7 | 2242.6 | 1925.6 | 1839.7 | 1801.2 | 1747.9 | 1753.8 | 1765.7 |
| 5166.6 | 32.5° | 5042.2 | 4073.5 | 2719.6 | 2162.6 | 1822.0 | 1736.0 | 1706.4 | 1647.2 | 1656.1 | 1667.9 |
| 4846.7 | 35° | 4769.7 | 3913.5 | 2541.8 | 2067.8 | 1727.2 | 1641.2 | 1617.5 | 1549.4 | 1555.3 | 1573.1 |
| 4526.7 | 37.5° | 4476.4 | 3744.6 | 2396.7 | 1973.0 | 1635.3 | 1546.4 | 1522.7 | 1451.6 | 1457.6 | 1478.3 |
| 4194.9 | 40° | 4168.3 | 3578.7 | 2254.5 | 1872.3 | 1537.6 | 1448.7 | 1427.9 | 1350.9 | 1356.8 | 1380.5 |
| 3869.1 | 42.5° | 3857.2 | 3398.0 | 2144.9 | 1742.0 | 1436.8 | 1342.0 | 1321.3 | 1250.2 | 1259.1 | 1285.7 |
| 3584.7 | 45° | 3569.8 | 3181.8 | 2073.8 | 1596.8 | 1342.0 | 1235.4 | 1214.6 | 1149.5 | 1167.2 | 1196.9 |
| 3344.7 | 47.5° | 3324.0 | 2959.6 | 2044.1 | 1475.3 | 1241.3 | 1125.8 | 1108.0 | 1054.7 | 1084.3 | 1116.9 |
| 3140.3 | 50° | 3113.6 | 2746.3 | 2005.6 | 1350.9 | 1146.5 | 1031.0 | 1013.2 | 977.6 | 1016.1 | 1048.7 |
| 3001.0 | 52.5° | 2962.5 | 2503.3 | 1922.7 | 1238.3 | 1063.5 | 951.0 | 945.0 | 927.3 | 962.8 | 992.4 |
| 2897.4 | 55° | 2832.2 | 2251.5 | 1789.4 | 1140.6 | 989.5 | 882.8 | 888.8 | 879.9 | 909.5 | 933.2 |
| 2835.1 | 57.5° | 2713.7 | 2032.3 | 1620.5 | 1063.5 | 909.5 | 823.6 | 841.4 | 829.5 | 844.3 | 859.1 |
| 2770.0 | 60° | 2571.5 | 1810.1 | 1419.1 | 977.6 | 814.7 | 764.3 | 785.1 | 752.5 | 749.5 | 755.4 |
| 2651.5 | 62.5° | 2361.1 | 1510.9 | 1208.7 | 871.0 | 731.7 | 699.2 | 708.0 | 645.8 | 598.4 | 598.4 |
| *2476.7* | 65° | *2067.8* | *1214.6* | *1013.2* | *752.5* | *636.9* | *610.3* | *604.4* | *515.5* | *450.3* | *444.4* |
| 2287.1 | 67.5° | 1727.2 | 998.4 | 841.4 | 634.0 | 530.3 | 512.5 | 518.4 | 453.3 | 388.1 | 382.2 |
| 2097.5 | 70° | 1407.2 | 826.5 | 678.4 | 506.6 | 408.8 | 426.6 | 453.3 | 388.1 | 325.9 | 317.0 |
| 1875.3 | 72.5° | 1143.5 | 657.7 | 530.3 | 388.1 | 302.2 | 352.5 | 385.1 | 317.0 | 257.7 | 251.8 |
| 1599.8 | 75° | 882.8 | 482.9 | 379.2 | 263.7 | 219.2 | 272.6 | 302.2 | 231.1 | 183.7 | 174.8 |
| 1238.3 | 77.5° | 589.5 | 299.2 | 213.3 | 165.9 | 130.4 | 186.6 | 201.5 | 121.5 | 106.7 | 103.7 |
| 900.6 | 80° | 358.5 | 139.2 | 91.8 | 80.0 | 44.4 | 68.1 | 80.0 | 50.4 | 56.3 | 59.3 |
| 479.9 | 82.5° | 180.7 | 38.5 | 14.8 | 3.0 | 0.0 | 0.0 | 23.7 | 11.9 | 23.7 | 29.6 |
| 130.4 | 85° | 14.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.9 | 14.8 |
| 0.0 | 87.5° | 0.0 | 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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**CANDELA DISTRIBUTION (continued):**

| 185° | | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5954.7 | 0° | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 | 5954.7 |
| 5231.8 | 2.5° | 5397.7 | 5522.1 | 5640.7 | 5830.3 | 6025.8 | 6218.3 | 6413.9 | 6603.5 | 6671.6 | 6722.0 |
| 4517.9 | 5° | 4775.6 | 5009.6 | 5282.2 | 5658.4 | 6061.3 | 6476.1 | 6896.8 | 7281.9 | 7456.7 | 7575.2 |
| 3845.4 | 7.5° | 4132.7 | 4437.9 | 4828.9 | 5394.8 | 6025.8 | 6686.4 | 7347.1 | 7954.4 | 8235.8 | 8463.9 |
| 3211.4 | 10° | 3495.8 | 3827.6 | 4322.3 | 4968.2 | 5821.4 | 6769.4 | 7681.8 | 8517.3 | 8881.7 | 9169.0 |
| 2755.1 | 12.5° | 2935.9 | 3246.9 | 3765.4 | 4479.3 | 5501.4 | 6704.2 | 7874.4 | 8878.7 | 9308.3 | 9631.2 |
| 2429.3 | 15° | 2541.8 | 2761.1 | 3220.3 | 3990.5 | 5122.2 | 6493.9 | 7886.2 | 9050.5 | 9521.6 | 9859.3 |
| 2293.0 | 17.5° | 2322.6 | 2396.7 | 2695.9 | 3492.8 | 4701.5 | 6218.3 | 7776.6 | 9109.8 | 9613.4 | 9927.4 |
| 2171.5 | 20° | 2204.1 | 2216.0 | 2298.9 | 2847.0 | 4162.3 | 5960.6 | 7672.9 | 9169.0 | 9699.3 | 9963.0 |
| 2085.6 | 22.5° | 2109.3 | 2109.3 | 2130.1 | 2328.5 | 3466.2 | 5652.5 | 7640.4 | 9272.7 | 9817.8 | 9980.8 |
| 1987.9 | 25° | 2023.4 | 2023.4 | 2029.3 | 2082.7 | 2746.3 | 5181.5 | 7619.6 | 9432.7 | 9980.8 | 10025.2 |
| 1890.1 | 27.5° | 1934.5 | 1937.5 | 1937.5 | 1967.1 | 2213.0 | 4541.6 | 7530.7 | 9640.1 | 10176.3 | 10084.4 |
| 1795.3 | 30° | 1845.7 | 1851.6 | 1851.6 | 1872.3 | 1958.2 | 3792.0 | 7356.0 | 9888.9 | 10431.1 | 10161.5 |
| 1700.5 | 32.5° | 1756.8 | 1762.7 | 1762.7 | 1780.5 | 1842.7 | 3027.7 | 7136.7 | 10117.0 | 10688.8 | 10194.1 |
| 1608.7 | 35° | 1664.9 | 1673.8 | 1667.9 | 1691.6 | 1756.8 | 2408.5 | 6858.2 | 10345.1 | 10967.3 | 10297.7 |
| 1519.8 | 37.5° | 1573.1 | 1579.0 | 1576.1 | 1599.8 | 1673.8 | 2079.7 | 6535.3 | 10517.0 | 11346.5 | 10528.8 |
| 1425.0 | 40° | 1481.3 | 1478.3 | 1478.3 | 1505.0 | 1585.0 | 1984.9 | 6129.5 | 10789.5 | 11891.6 | 10934.7 |
| 1330.2 | 42.5° | 1386.5 | 1386.5 | 1380.5 | 1410.2 | 1507.9 | 1913.8 | 5741.4 | 11278.3 | 12685.5 | 11580.5 |
| 1241.3 | 45° | 1300.5 | 1297.6 | 1285.7 | 1312.4 | 1433.9 | 1789.4 | 5605.1 | 12190.8 | 13858.7 | 12626.3 |
| 1152.4 | 47.5° | 1217.6 | 1214.6 | 1185.0 | 1208.7 | 1345.0 | 1676.8 | 6114.7 | 13683.9 | 15485.1 | 14163.8 |
| 1081.3 | 50° | 1143.5 | 1146.5 | 1090.2 | 1110.9 | 1256.1 | 1590.9 | 7219.7 | 15621.4 | 17644.8 | 16234.6 |
| 1022.1 | 52.5° | 1075.4 | 1075.4 | 1001.3 | 1013.2 | 1146.5 | 1513.9 | 8271.4 | 17721.8 | 20494.8 | 19123.1 |
| 959.9 | 55° | 1007.3 | 1001.3 | 918.4 | 924.3 | 1036.9 | 1404.2 | 8428.4 | 19771.9 | 24381.6 | 23469.1 |
| 891.7 | 57.5° | 930.2 | 918.4 | 841.4 | 841.4 | 936.2 | 1324.2 | 7305.6 | 21348.0 | 29204.6 | 29856.3 |
| 764.3 | 60° | 835.4 | 826.5 | 776.2 | 761.4 | 856.2 | 1395.3 | 5154.8 | 21531.6 | 32315.2 | 38349.9 |
| 607.3 | 62.5° | 714.0 | 725.8 | 699.2 | 678.4 | 779.1 | 1448.7 | 3054.4 | 20053.3 | 31562.8 | 41051.7 |
| *471.0* | 65° | *562.9* | *610.3* | *604.4* | *589.5* | *856.2* | *1220.6* | *1804.2* | *17215.2* | *29254.9* | *38871.3* |
| 411.8 | 67.5° | 479.9 | 512.5 | 503.6 | 503.6 | 897.6 | 927.3 | 1134.6 | 13449.9 | 26079.1 | 36285.0 |
| 343.7 | 70° | 408.8 | 441.4 | 408.8 | 408.8 | 678.4 | 562.9 | 785.1 | 9391.2 | 22651.5 | 33423.2 |
| 275.5 | 72.5° | 337.7 | 370.3 | 334.8 | 311.1 | 542.1 | 420.7 | 574.7 | 5868.8 | 19398.6 | 30442.9 |
| 195.5 | 75° | 257.7 | 296.3 | 269.6 | 240.0 | 358.5 | 314.0 | 435.5 | 3409.9 | 16071.7 | 26046.5 |
| 118.5 | 77.5° | 162.9 | 213.3 | 201.5 | 168.9 | 263.7 | 228.1 | 314.0 | 2029.3 | 12401.1 | 20352.6 |
| 71.1 | 80° | 100.7 | 109.6 | 112.6 | 106.7 | 151.1 | 154.1 | 213.3 | 1155.4 | 8487.6 | 14184.6 |
| 44.4 | 82.5° | 65.2 | 65.2 | 50.4 | 56.3 | 74.1 | 88.9 | 121.5 | 435.5 | 4988.9 | 8635.8 |
| 26.7 | 85° | 47.4 | 41.5 | 26.7 | 26.7 | 35.6 | 44.4 | 47.4 | 133.3 | 2023.4 | 3409.9 |
| 11.9 | 87.5° | 23.7 | 20.7 | 8.9 | 11.9 | 17.8 | 14.8 | 11.9 | 5.9 | 509.6 | 1090.2 |
| 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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| 11879.7 | 82.5° | 7219.7 | 9065.3 | *9305.3* | 10964.3 | 4831.9 | 3116.6 | 731.7 | 408.8 |
| 4645.2 | 85° | 2826.3 | 4372.7 | *3688.3* | 4162.3 | 1356.8 | 868.0 | 17.8 | 0.0 |
| 764.3 | 87.5° | 317.0 | 506.6 | *465.1* | 367.4 | 165.9 | 35.6 | 0.0 | 0.0 |
| 0.0 | 90° | 0.0 | 0.0 | *0.0* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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