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-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1200800

Luminaire Tested: GPC-SB2D-827-U-T3R

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1200800 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2D-827-U-T3R |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III ROADWAY OPTI( |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 18163 lumens |
| Efficiency: | N/A |
| Efficacy: | 123.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type III - Medium |
| BUG Rating: | B3 - U0 - G3 |

| | |
|---|---|
| Input Watts (W): | 147.6 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 1.234 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.999 |
| Total Harmonic Distortion (THDi): | 3.108 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

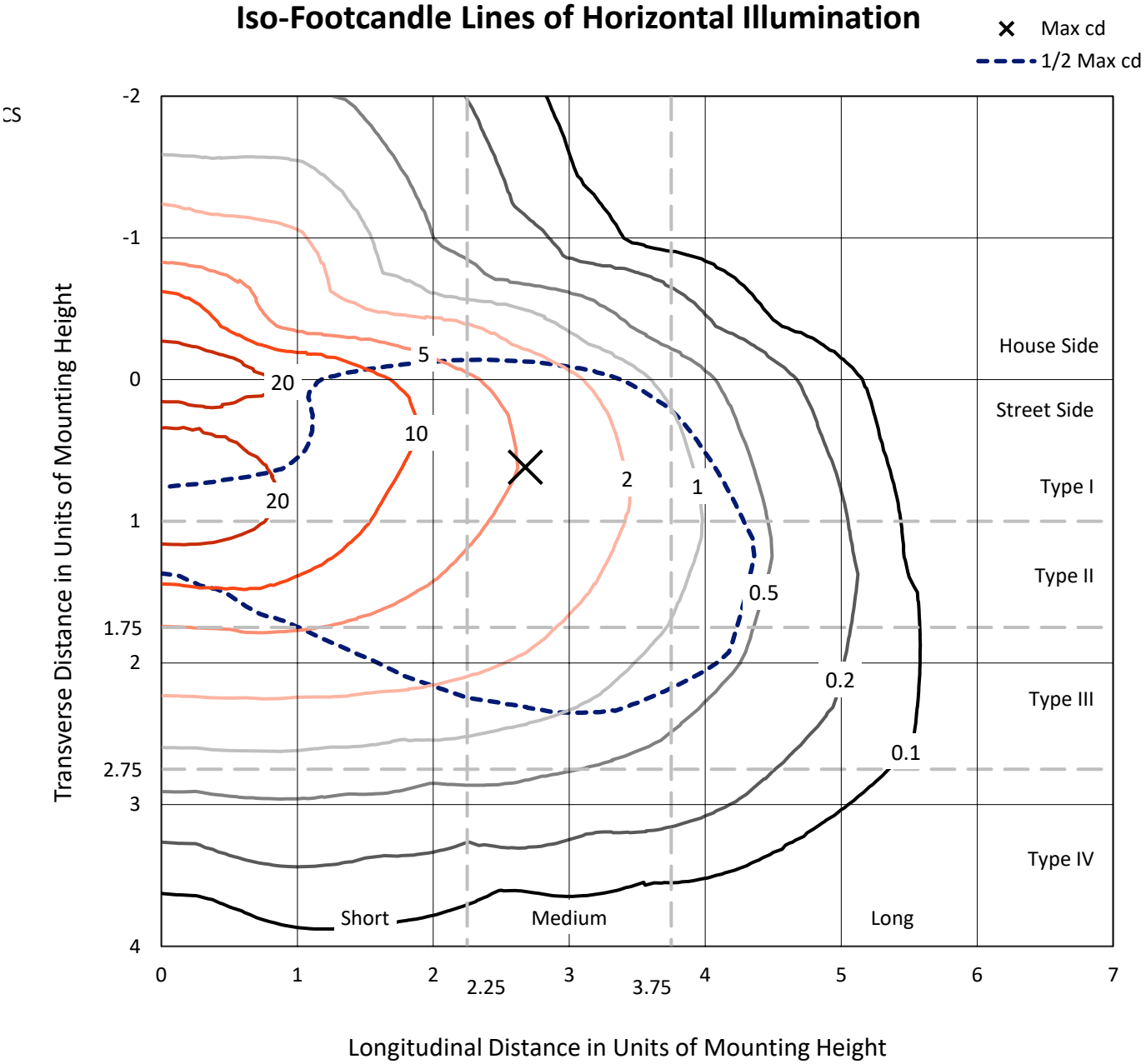


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## Iso-Footcandle Lines of Horizontal Illumination



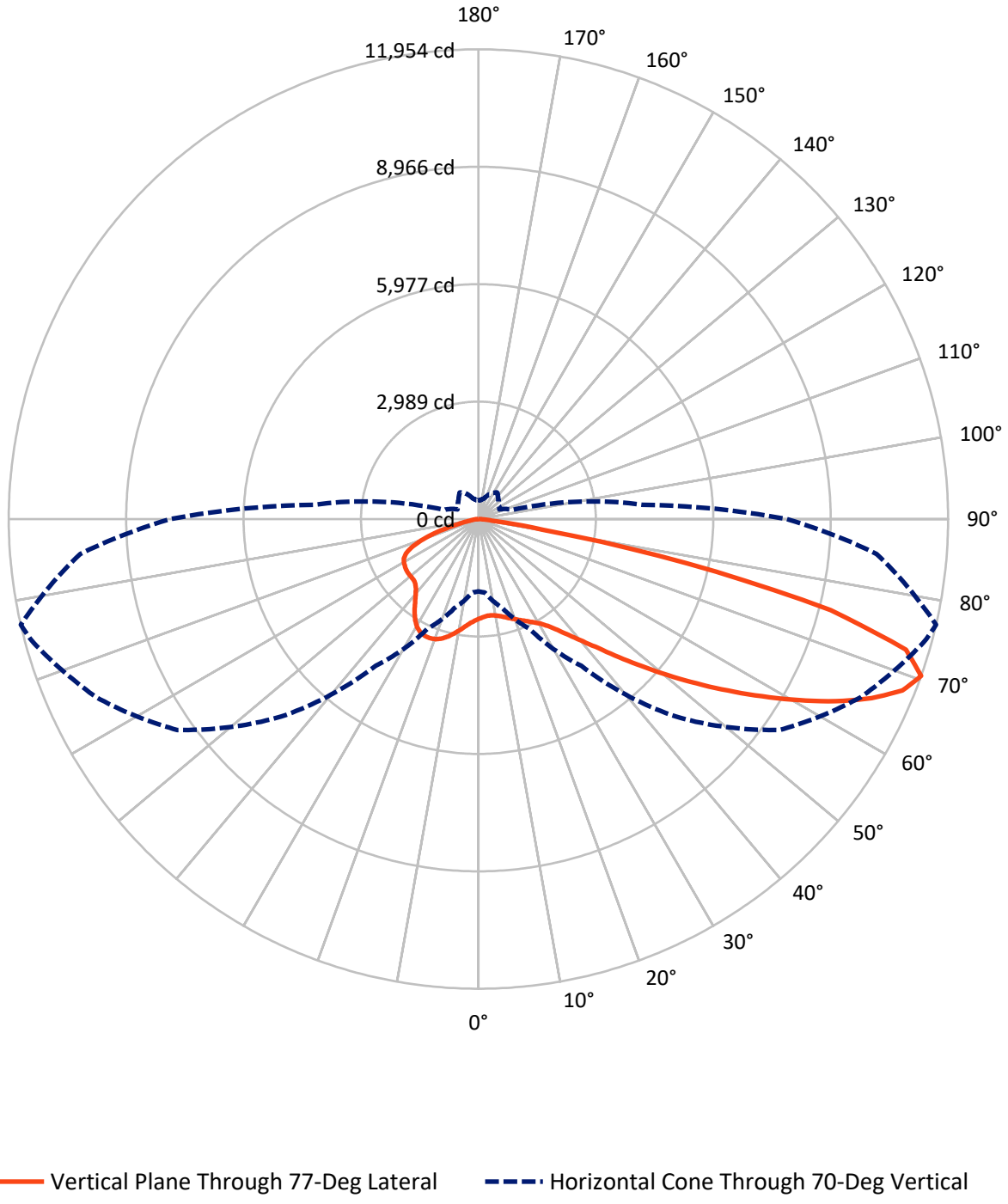

Based on 10 foot mounting height. Maximum calculated value = 30.1 fc
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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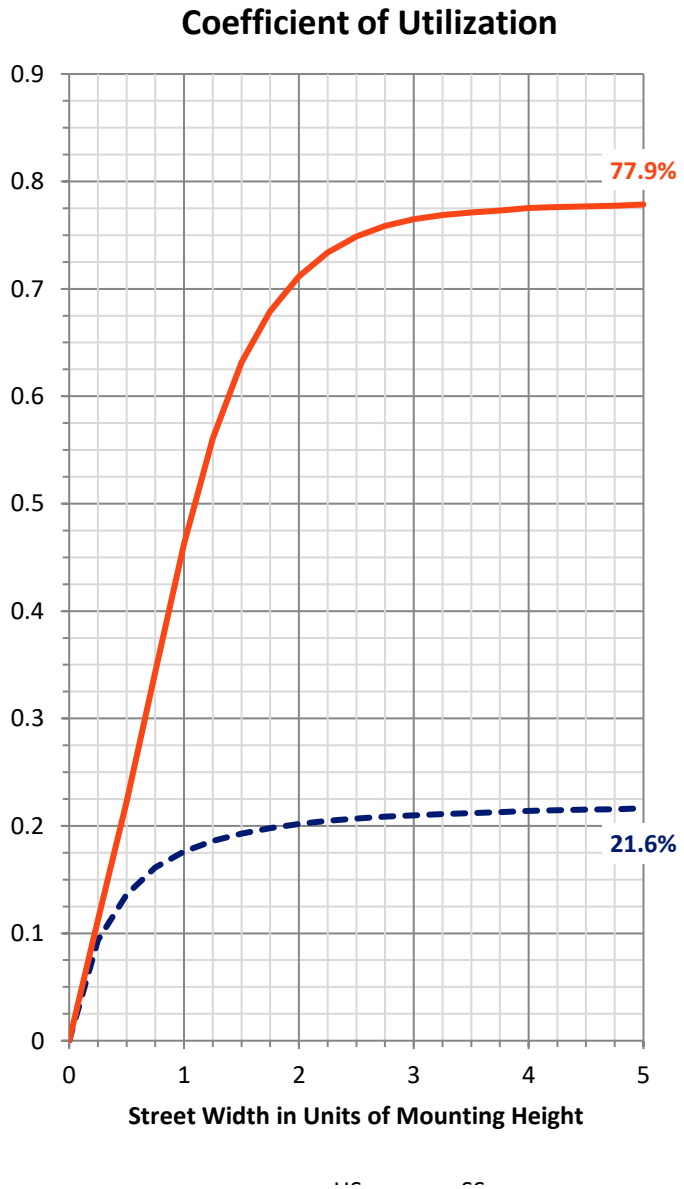
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 3977.4 | 0.0 | 3977.4 |
| | % Fixture | 21.9 | 0.0 | 21.9 |
| **Street Side** | Lumens | 14185.6 | 0.0 | 14185.6 |
| | % Fixture | 78.1 | 0.0 | 78.1 |
| **Total** | Lumens | 18163.0 | 0.0 | 18163.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 241.7 | 1.3 |
| 10°-20° | 697.5 | 3.8 |
| 20°-30° | 1192.8 | 6.6 |
| 30°-40° | 1918.1 | 10.6 |
| 40°-50° | 2994.7 | 16.5 |
| 50°-60° | 4000.2 | 22.0 |
| 60°-70° | 4263.6 | 23.5 |
| 70°-80° | 2624.6 | 14.5 |
| 80°-90° | 230.0 | 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° | 18163.0 | 100.0 |
| 0°-180° | 18163.0 | 100.0 |



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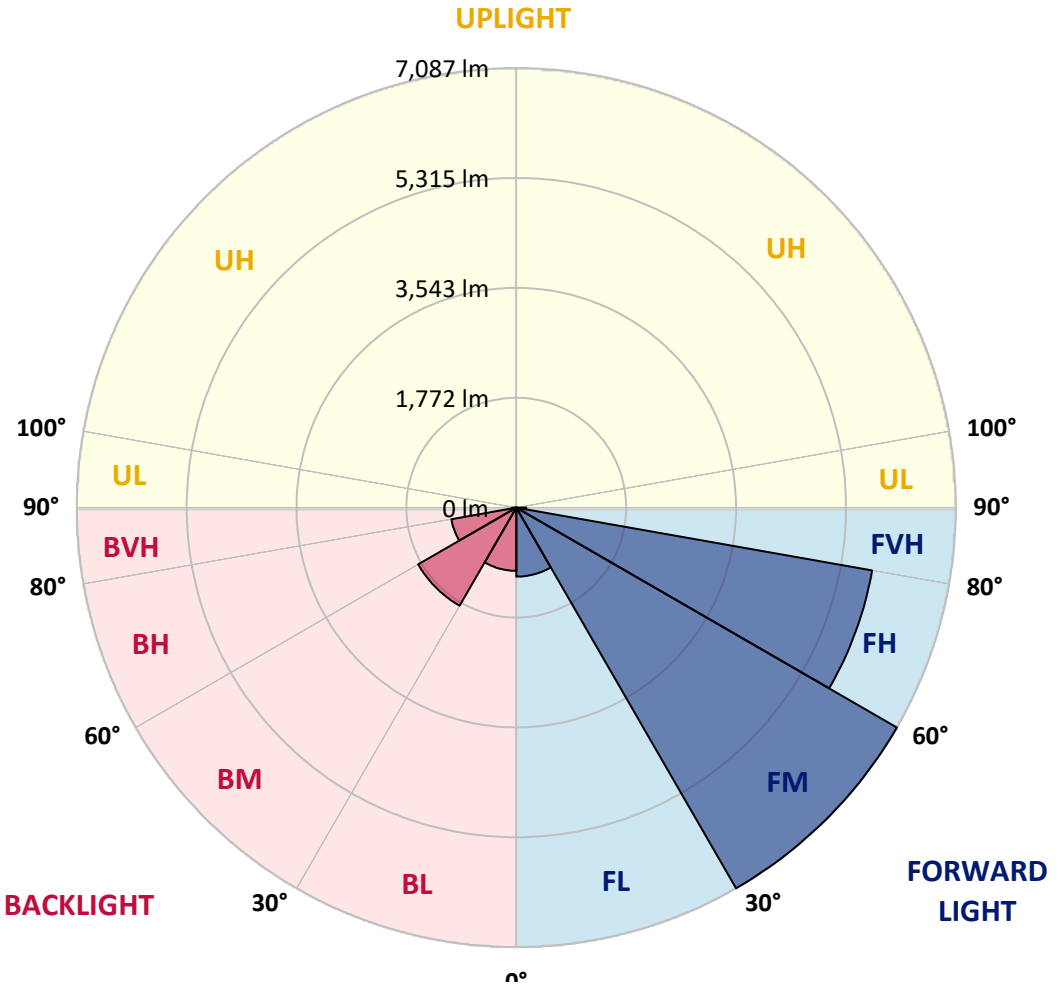
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1112.8 | 6.1 | | | |
| FM | (30°-60°) | 7086.8 | 39.0 | | | |
| FH | (60°-80°) | 5825.2 | 32.1 | | | G3/7500 |
| FVH | (80°-90°) | 160.8 | 0.9 | | | G2/225 |
| BL | (0°-30°) | 1019.1 | 5.6 | B3/2500 | | |
| BM | (30°-60°) | 1826.1 | 10.1 | B2/2500 | | |
| BH | (60°-80°) | 1063.0 | 5.9 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 69.2 | 0.4 | | | 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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | *2533.9* | 2533.9 |
| 2.5° | 2335.8 | 2334.8 | 2346.9 | 2350.7 | 2373.0 | 2388.8 | 2418.6 | 2450.2 | 2491.1 | *2495.8* | 2520.9 |
| 5° | 2200.9 | 2200.9 | 2214.8 | 2229.7 | 2258.6 | 2290.2 | 2335.8 | 2390.7 | 2461.3 | *2472.5* | 2534.8 |
| 7.5° | 2086.5 | 2093.9 | 2106.0 | 2134.8 | 2168.3 | 2213.9 | 2283.7 | 2361.8 | 2454.8 | *2472.5* | 2573.0 |
| 10° | 1994.4 | 2002.8 | 2017.6 | 2040.9 | 2091.1 | 2154.4 | 2245.5 | 2346.0 | 2470.6 | *2498.6* | 2628.8 |
| 12.5° | 1965.5 | 1973.9 | 1982.3 | 2000.0 | 2046.5 | 2120.9 | 2229.7 | 2353.4 | 2508.8 | *2536.7* | 2705.1 |
| 15° | 2032.5 | 2042.8 | 2036.2 | 2031.6 | 2055.8 | 2123.7 | 2237.2 | 2380.4 | 2556.2 | *2596.2* | 2799.0 |
| 17.5° | 2186.9 | 2190.7 | 2175.8 | 2132.1 | 2128.3 | 2164.6 | 2272.5 | 2417.6 | 2615.8 | *2659.5* | 2893.9 |
| 20° | 2436.2 | 2429.7 | 2399.0 | 2312.5 | 2263.2 | 2255.8 | 2333.0 | 2473.4 | 2677.2 | *2723.7* | 2996.2 |
| 22.5° | 2774.8 | 2767.4 | 2706.0 | 2569.3 | 2459.5 | 2386.9 | 2420.4 | 2546.0 | 2746.0 | *2798.1* | 3095.8 |
| 25° | 3197.1 | 3186.9 | 3096.7 | 2910.6 | 2740.4 | 2560.9 | 2539.5 | 2641.8 | 2830.6 | *2879.0* | 3199.9 |
| 27.5° | 3690.2 | 3681.8 | 3584.1 | 3338.5 | 3093.0 | 2799.0 | 2687.4 | 2754.4 | 2919.0 | *2973.9* | 3317.1 |
| 30° | 4220.4 | 4244.6 | 4071.5 | 3807.4 | 3496.7 | 3109.7 | 2886.5 | 2893.0 | 3033.4 | *3082.7* | 3459.5 |
| 32.5° | 4843.6 | 4885.5 | 4677.1 | 4342.2 | 3918.1 | 3447.4 | 3137.6 | 3086.5 | 3199.9 | *3240.9* | 3639.0 |
| 35° | 5461.3 | 5508.7 | 5335.7 | 4965.5 | 4477.1 | 3845.5 | 3399.9 | 3308.8 | 3421.3 | *3466.0* | 3877.1 |
| 37.5° | 5995.2 | 6058.5 | 5969.2 | 5647.3 | 5075.3 | 4325.5 | 3742.3 | 3570.2 | 3693.9 | *3749.7* | 4197.1 |
| 40° | 6416.6 | 6513.4 | 6506.9 | 6305.9 | 5780.4 | 4907.8 | 4176.7 | 3892.9 | 4032.5 | *4092.9* | 4585.0 |
| 42.5° | 6758.9 | 6842.7 | 6915.2 | 6905.0 | 6516.2 | 5569.2 | 4687.4 | 4312.5 | 4418.5 | *4488.3* | 5021.3 |
| 45° | 6995.2 | 7084.5 | 7240.8 | 7409.2 | 7224.0 | 6277.1 | 5272.5 | 4810.1 | 4906.9 | *5012.0* | 5541.3 |
| 47.5° | 7206.4 | 7307.8 | 7510.6 | 7777.5 | 7825.0 | 6987.8 | 5913.4 | 5389.7 | 5478.0 | *5586.9* | 6063.1 |
| 50° | 7225.0 | 7312.4 | 7626.8 | 8005.4 | 8251.9 | 7670.5 | 6601.7 | 6039.9 | 6122.7 | *6238.9* | 6622.2 |
| 52.5° | 6775.7 | 6913.4 | 7462.2 | 7998.9 | 8448.2 | 8241.7 | 7285.4 | 6716.1 | 6809.2 | *6948.7* | 7200.8 |
| 55° | 5259.4 | 5461.3 | 6979.4 | 7749.6 | 8378.4 | 8611.0 | 7935.7 | 7435.2 | 7554.3 | *7700.3* | 7783.1 |
| 57.5° | 4530.1 | 4618.5 | 5540.4 | 7295.7 | 8060.3 | 8706.8 | 8484.5 | 8161.7 | 8353.3 | *8513.3* | 8398.9 |
| 60° | 4071.5 | 4145.0 | 4690.1 | 6589.6 | 7641.7 | 8555.2 | 8908.7 | 8838.9 | 9170.1 | *9360.7* | 9028.7 |
| 62.5° | 3580.4 | 3650.2 | 4146.0 | 5502.2 | 7105.9 | 8303.1 | 9176.6 | 9464.0 | 10007.2 | *10215.6* | 9622.1 |
| 65° | 3093.0 | 3152.5 | 3627.8 | 4623.2 | 6425.0 | 8051.0 | 9315.2 | 10004.5 | 10782.1 | *10997.9* | 10115.2 |
| 67.5° | 2549.7 | 2599.0 | 3048.3 | 3900.4 | 5597.1 | 7705.9 | 9384.0 | 10429.6 | 11456.5 | *11641.6* | 10358.9 |
| 70° | *1840.0* | *1878.1* | *2342.3* | *3084.6* | *4558.1* | *7112.4* | *9356.1* | *10731.0* | *11806.3* | *11954.2* | *10174.7* |
| 72.5° | 869.8 | 904.2 | 1449.3 | 2002.8 | 3219.5 | 5957.1 | 8791.5 | 10491.9 | 11450.9 | *11377.5* | 9047.3 |
| 75° | 464.2 | 493.9 | 832.5 | 1098.6 | 1700.4 | 4083.6 | 7194.3 | 9038.0 | 9615.6 | *9258.4* | 6686.4 |
| 77.5° | 314.4 | 337.7 | 515.3 | 659.5 | 776.7 | 1938.6 | 4624.1 | 6257.6 | 6020.3 | *5430.6* | 3348.8 |
| 80° | 249.3 | 273.5 | 422.3 | 446.5 | 375.8 | 700.5 | 1910.7 | 2896.7 | 2080.9 | *1664.2* | 952.5 |
| 82.5° | 191.6 | 218.6 | 355.3 | 323.7 | 204.6 | 287.4 | 556.3 | 916.3 | 533.0 | *405.6* | 230.7 |
| 85° | 117.2 | 146.0 | 279.1 | 206.5 | 115.3 | 131.2 | 188.8 | 254.9 | 162.8 | *135.8* | 82.8 |
| 87.5° | 59.5 | 83.7 | 141.4 | 75.3 | 52.1 | 30.7 | 50.2 | 50.2 | 42.8 | *37.2* | 21.4 |
| 90° | 0.0 | 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° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 | 2533.9 |
| 2.5° | 2543.2 | 2561.8 | 2593.4 | 2623.2 | 2646.5 | 2668.8 | 2691.1 | 2703.2 | 2706.9 | 2721.8 | 2730.2 |
| 5° | 2573.0 | 2607.4 | 2668.8 | 2726.5 | 2762.7 | 2785.1 | 2800.9 | 2810.2 | 2812.0 | 2816.7 | 2824.1 |
| 7.5° | 2627.9 | 2682.7 | 2768.3 | 2826.0 | 2853.0 | 2851.1 | 2844.6 | 2821.3 | 2812.0 | 2803.7 | 2805.5 |
| 10° | 2705.1 | 2777.6 | 2882.7 | 2922.7 | 2906.0 | 2861.3 | 2803.7 | 2735.8 | 2704.1 | 2673.4 | 2664.1 |
| 12.5° | 2800.9 | 2893.0 | 2996.2 | 2994.4 | 2911.6 | 2797.2 | 2663.2 | 2559.0 | 2493.0 | 2445.5 | 2434.4 |
| 15° | 2917.2 | 3023.2 | 3102.3 | 3039.0 | 2857.6 | 2652.0 | 2455.8 | 2320.0 | 2260.4 | 2208.3 | 2202.7 |
| 17.5° | 3037.2 | 3150.6 | 3186.9 | 3025.1 | 2721.8 | 2437.2 | 2214.8 | 2107.9 | 2049.3 | 2021.4 | 2029.7 |
| 20° | 3154.4 | 3266.9 | 3237.1 | 2945.1 | 2515.3 | 2193.4 | 1995.3 | 1936.7 | 1924.6 | 1931.1 | 1928.3 |
| 22.5° | 3278.1 | 3378.5 | 3247.4 | 2790.6 | 2252.0 | 1944.1 | 1835.3 | 1837.2 | 1864.1 | 1883.7 | 1888.3 |
| 25° | 3404.6 | 3472.5 | 3220.4 | 2567.4 | 1969.3 | 1760.9 | 1733.9 | 1763.7 | 1816.7 | 1854.8 | 1865.1 |
| 27.5° | 3526.4 | 3556.2 | 3161.8 | 2291.1 | 1726.5 | 1629.7 | 1634.4 | 1695.8 | 1775.8 | 1828.8 | 1841.8 |
| 30° | 3664.1 | 3630.6 | 3049.2 | 1980.4 | 1558.1 | 1517.2 | 1556.2 | 1627.9 | 1707.9 | 1755.3 | 1766.5 |
| 32.5° | 3819.5 | 3694.8 | 2870.6 | 1693.0 | 1439.0 | 1426.9 | 1491.1 | 1537.6 | 1573.0 | 1586.9 | 1594.4 |
| 35° | 4012.9 | 3785.0 | 2641.8 | 1491.1 | 1332.1 | 1360.9 | 1422.3 | 1399.0 | 1385.1 | 1377.6 | 1385.1 |
| 37.5° | 4264.1 | 3906.9 | 2373.9 | 1360.0 | 1245.6 | 1313.5 | 1338.6 | 1266.0 | 1211.1 | 1184.2 | 1190.7 |
| 40° | 4566.4 | 4085.5 | 2116.2 | 1258.6 | 1190.7 | 1272.5 | 1228.8 | 1141.4 | 1071.6 | 1033.5 | 1036.3 |
| 42.5° | 4902.2 | 4272.5 | 1899.5 | 1182.3 | 1160.0 | 1239.0 | 1147.9 | 1043.7 | 931.1 | 919.1 | 931.1 |
| 45° | 5254.8 | 4465.0 | 1751.6 | 1123.7 | 1145.1 | 1210.2 | 1101.4 | 933.0 | 853.0 | 902.3 | 928.4 |
| 47.5° | 5607.3 | 4641.8 | 1662.3 | 1080.0 | 1137.7 | 1177.7 | 1060.4 | 871.6 | 814.9 | 886.5 | 920.0 |
| 50° | 5999.9 | 4799.9 | 1622.3 | 1048.4 | 1129.3 | 1164.6 | 999.1 | 855.8 | 774.9 | 822.3 | 857.7 |
| 52.5° | 6389.6 | 4922.7 | 1592.5 | 1016.7 | 1117.2 | 1154.4 | 969.3 | 837.2 | 726.5 | 729.3 | 748.8 |
| 55° | 6778.5 | 5002.7 | 1560.0 | 974.9 | 1090.2 | 1132.1 | 966.5 | 816.7 | 690.2 | 677.2 | 686.5 |
| 57.5° | 7193.3 | 5048.3 | 1520.0 | 928.4 | 1043.7 | 1075.3 | 963.7 | 800.9 | 679.1 | 657.7 | 660.5 |
| 60° | 7615.7 | 5115.2 | 1467.9 | 871.6 | 981.4 | 1007.4 | 957.2 | 795.3 | 672.5 | 636.3 | 639.1 |
| 62.5° | 7994.3 | 5138.5 | 1405.6 | 817.7 | 901.4 | 940.4 | 943.2 | 790.7 | 654.9 | 592.5 | 592.5 |
| 65° | 8242.6 | 5038.0 | 1296.7 | 756.3 | 814.9 | 871.6 | 916.3 | 774.9 | 623.2 | 560.9 | 560.9 |
| 67.5° | 8232.4 | 4751.5 | 1126.5 | 677.2 | 731.1 | 795.3 | 877.2 | 747.9 | 585.1 | 521.9 | 524.6 |
| 70° | *7849.1* | *4186.0* | *910.7* | *585.1* | *639.1* | *713.5* | *827.0* | *707.9* | *539.5* | *479.1* | *484.6* |
| 72.5° | 6732.0 | 3276.2 | 661.4 | 477.2 | 532.1 | 628.8 | 761.8 | 659.5 | 493.0 | 440.9 | 438.1 |
| 75° | 4809.2 | 2073.4 | 448.4 | 366.5 | 413.9 | 533.0 | 680.9 | 602.8 | 450.2 | 442.8 | 417.7 |
| 77.5° | 2456.7 | 990.7 | 296.7 | 267.9 | 288.4 | 420.5 | 572.1 | 538.6 | 456.7 | 365.6 | 325.6 |
| 80° | 799.1 | 365.6 | 187.0 | 182.3 | 191.6 | 280.0 | 442.8 | 441.9 | 346.0 | 248.4 | 219.5 |
| 82.5° | 254.9 | 157.2 | 121.9 | 117.2 | 112.6 | 175.8 | 308.8 | 349.8 | 233.5 | 157.2 | 156.3 |
| 85° | 101.4 | 94.0 | 71.6 | 66.0 | 47.4 | 82.8 | 161.9 | 232.6 | 174.0 | 113.5 | 116.3 |
| 87.5° | 37.2 | 37.2 | 19.5 | 14.0 | 10.2 | 27.9 | 43.7 | 69.8 | 99.5 | 58.6 | 57.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


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SS

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(END OF REPORT)