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: P1199255

Luminaire Tested: GPC-SB2A-735-U-T2R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1199255 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2A-735-U-T2R-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7593 lumens |
| Efficiency: | N/A |
| Efficacy: | 132.5 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 57.3 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.484 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.038 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

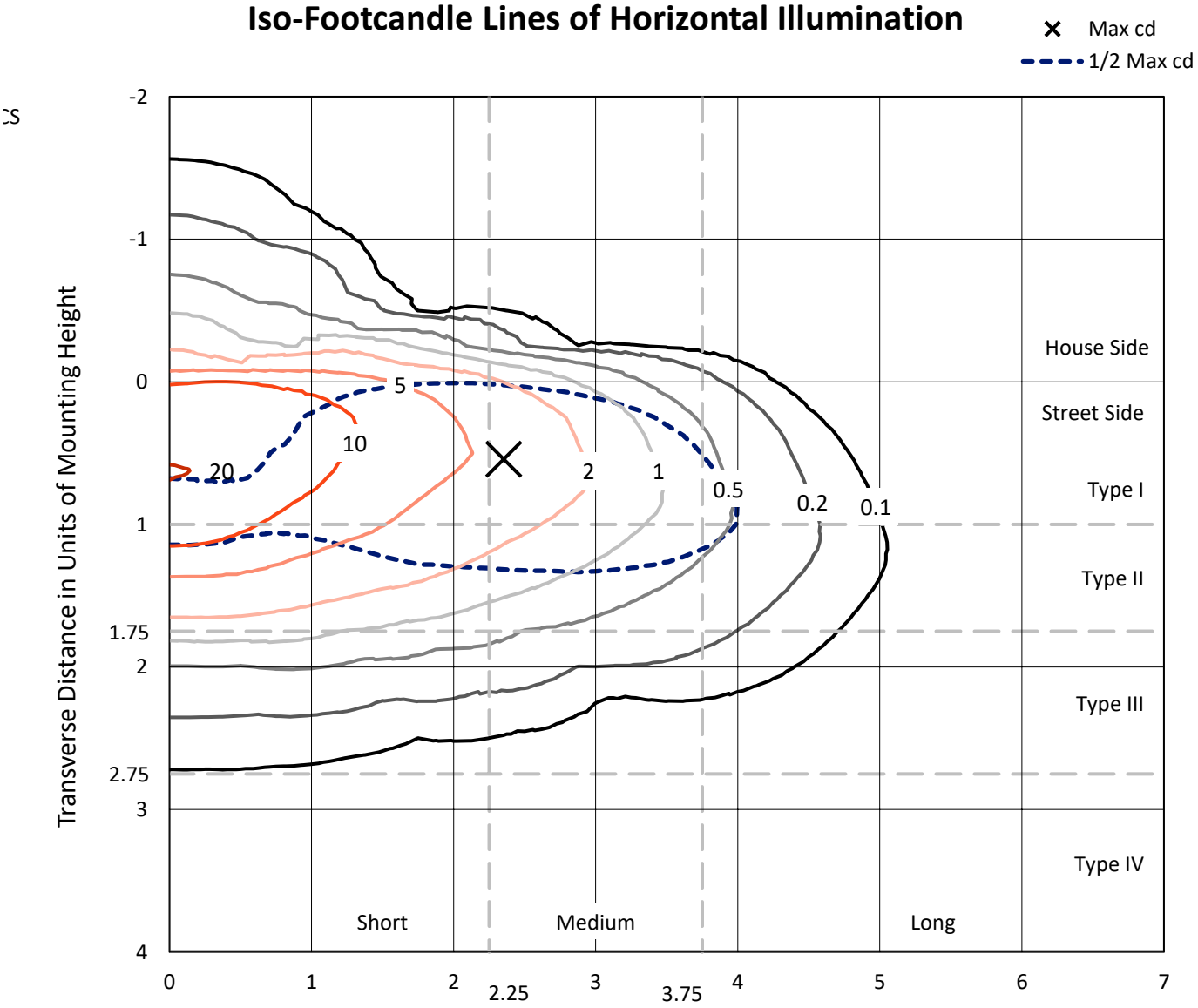


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## Iso-Footcandle Lines of Horizontal Illumination



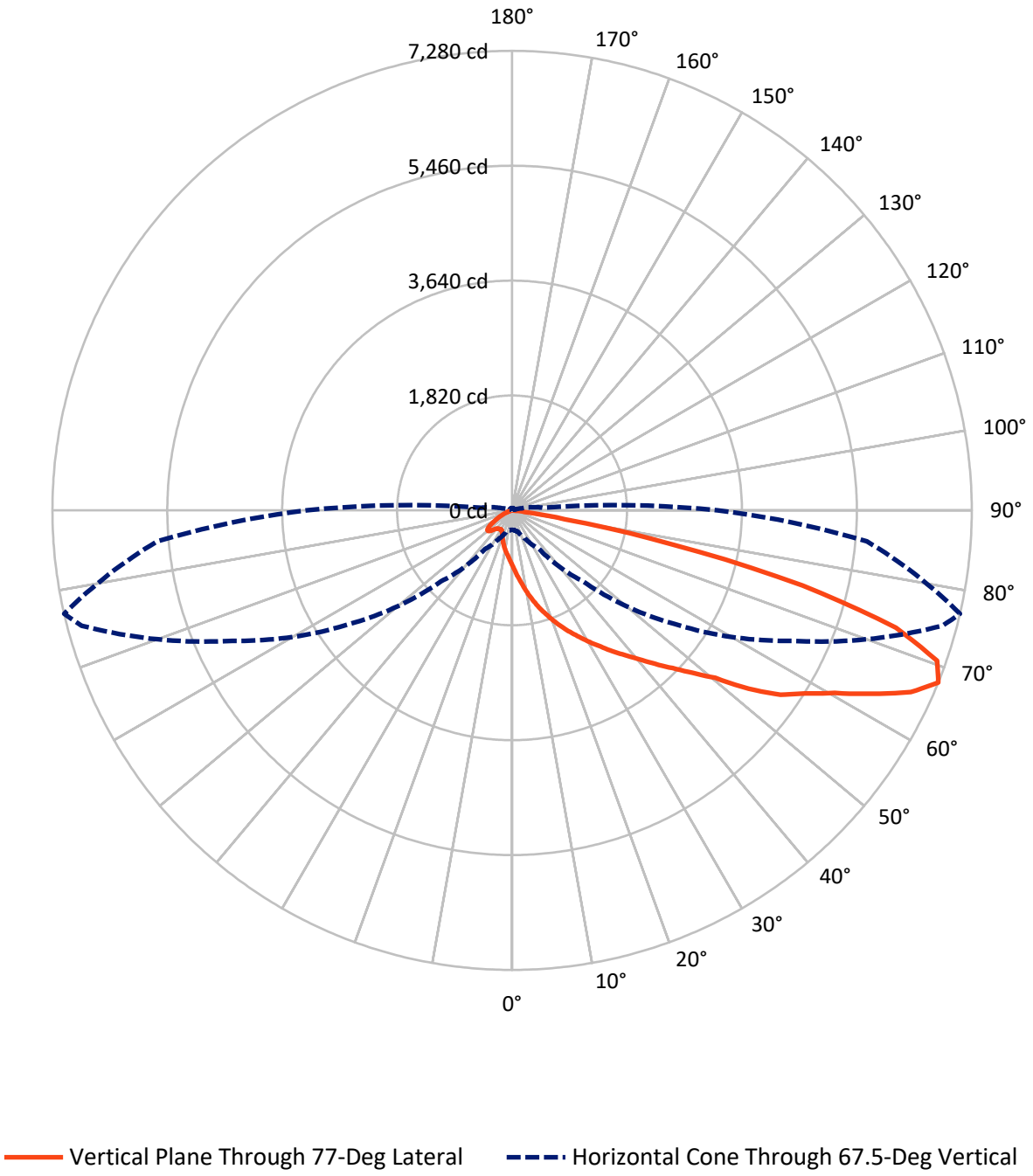

Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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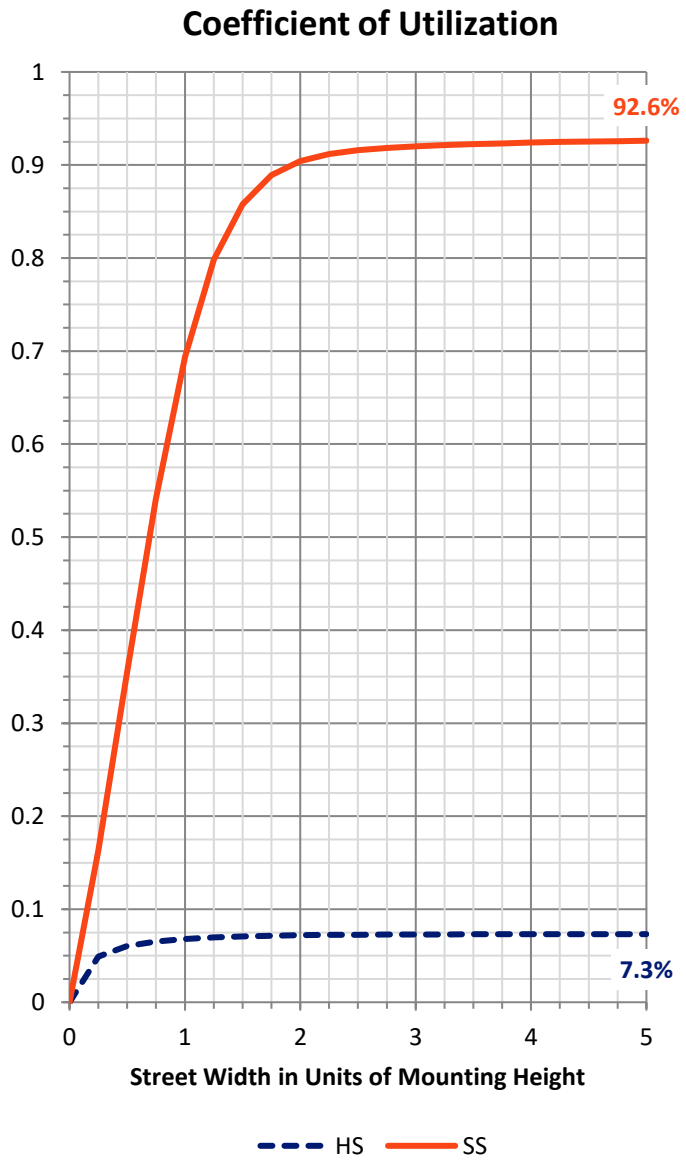
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 558.6 | 0.0 | 558.6 |
| | % Fixture | 7.4 | 0.0 | 7.4 |
| **Street Side** | Lumens | 7034.4 | 0.0 | 7034.4 |
| | % Fixture | 92.6 | 0.0 | 92.6 |
| **Total** | Lumens | 7593.0 | 0.0 | 7593.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 89.4 | 1.2 |
| 10°-20° | 313.0 | 4.1 |
| 20°-30° | 603.9 | 8.0 |
| 30°-40° | 1048.4 | 13.8 |
| 40°-50° | 1522.3 | 20.0 |
| 50°-60° | 1748.1 | 23.0 |
| 60°-70° | 1517.7 | 20.0 |
| 70°-80° | 714.9 | 9.4 |
| 80°-90° | 35.3 | 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° | 7593.0 | 100.0 |
| 0°-180° | 7593.0 | 100.0 |



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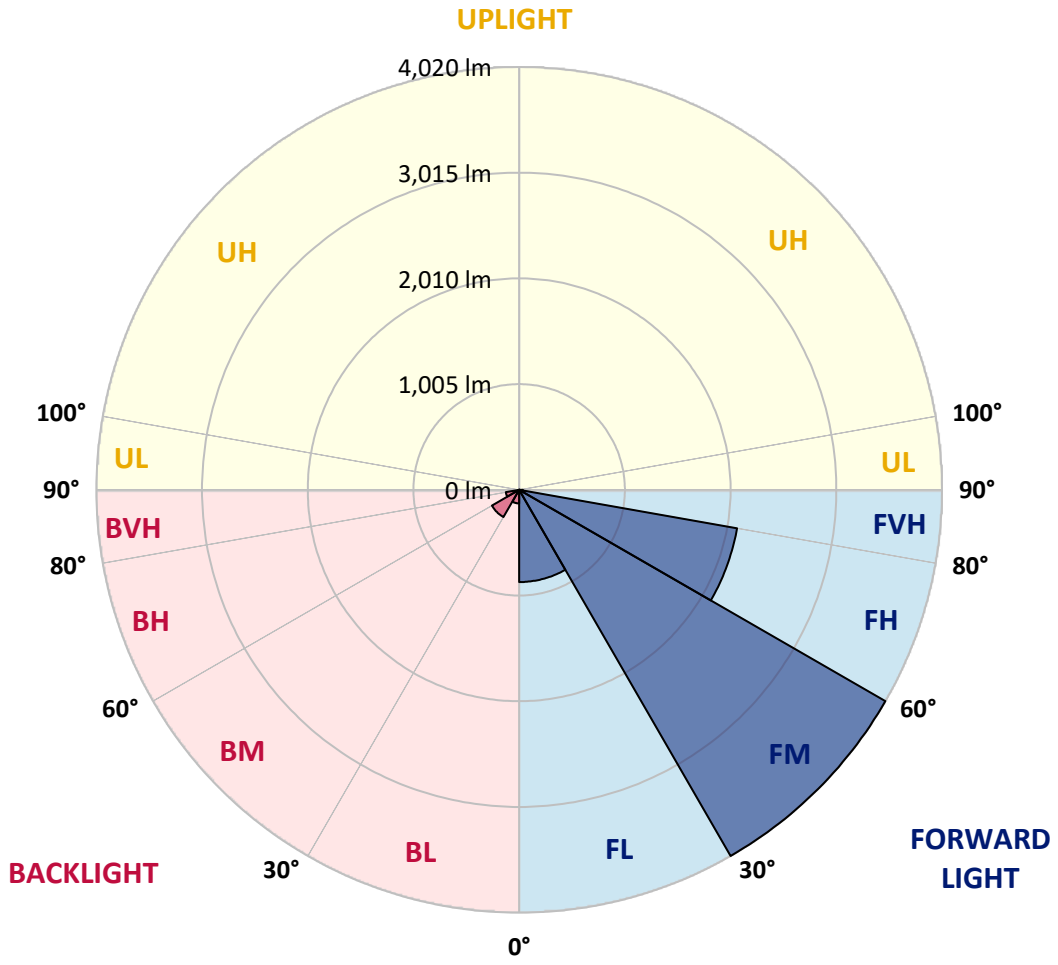
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 876.9 | 11.5 | | | |
| FM | (30°-60°) | 4019.5 | 52.9 | | | |
| FH | (60°-80°) | 2103.2 | 27.7 | | | G2/5000 |
| FVH | (80°-90°) | 34.7 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 129.3 | 1.7 | B1/500 | | |
| BM | (30°-60°) | 299.3 | 3.9 | B1/1000 | | |
| BH | (60°-80°) | 129.3 | 1.7 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 0.6 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G2**
Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | *875.6* | 875.6 |
| 2.5° | 1212.2 | 1219.8 | 1208.9 | 1188.2 | 1157.1 | 1136.8 | 1087.3 | 1040.6 | 988.7 | *972.2* | 920.4 |
| 5° | 1477.7 | 1484.3 | 1472.0 | 1449.4 | 1407.9 | 1368.3 | 1303.2 | 1205.6 | 1104.3 | *1071.7* | 979.8 |
| 7.5° | 1674.3 | 1678.1 | 1673.4 | 1652.6 | 1613.0 | 1568.2 | 1495.6 | 1380.1 | 1229.7 | *1193.9* | 1052.9 |
| 10° | 1815.8 | 1828.0 | 1826.6 | 1818.6 | 1792.2 | 1755.9 | 1678.6 | 1547.0 | 1370.2 | *1324.0* | 1135.4 |
| 12.5° | 1909.6 | 1923.3 | 1931.3 | 1949.2 | 1947.8 | 1924.7 | 1856.8 | 1717.7 | 1510.2 | *1456.0* | 1228.3 |
| 15° | 1936.9 | 1951.6 | 1982.2 | 2023.7 | 2060.5 | 2072.3 | 2024.6 | 1885.1 | 1664.4 | *1595.1* | 1323.5 |
| 17.5° | 1921.4 | 1944.0 | 1980.8 | 2046.3 | 2127.0 | 2180.2 | 2175.1 | 2046.8 | 1804.4 | *1725.2* | 1416.9 |
| 20° | 1955.8 | 1977.5 | 2006.3 | 2061.4 | 2155.2 | 2251.9 | 2290.6 | 2201.5 | 1943.5 | *1860.6* | 1514.9 |
| 22.5° | 2146.3 | 2142.5 | 2145.3 | 2154.3 | 2210.4 | 2306.1 | 2385.8 | 2342.0 | 2081.2 | *1996.4* | 1618.7 |
| 25° | 2448.1 | 2431.1 | 2402.3 | 2353.8 | 2339.6 | 2385.8 | 2468.8 | 2466.4 | 2226.4 | *2135.4* | 1724.8 |
| 27.5° | 2794.1 | 2791.3 | 2723.9 | 2607.0 | 2540.9 | 2523.0 | 2562.6 | 2587.6 | 2370.3 | *2273.1* | 1831.3 |
| 30° | 3125.6 | 3133.1 | 3042.1 | 2912.0 | 2790.8 | 2720.6 | 2684.7 | 2702.7 | 2516.4 | *2421.6* | 1941.2 |
| 32.5° | 3414.2 | 3422.2 | 3323.2 | 3170.9 | 3020.9 | 2936.1 | 2860.6 | 2816.3 | 2675.8 | *2572.5* | 2061.9 |
| 35° | 3657.9 | 3666.0 | 3552.3 | 3384.0 | 3224.2 | 3147.3 | 3062.0 | 2940.8 | 2836.1 | *2739.9* | 2196.3 |
| 37.5° | 3875.8 | 3873.4 | 3721.1 | 3551.4 | 3394.4 | 3333.5 | 3288.7 | 3094.0 | 3001.1 | *2908.2* | 2345.3 |
| 40° | 4004.5 | 4014.4 | 3884.3 | 3697.1 | 3544.8 | 3500.5 | 3497.6 | 3284.0 | 3191.6 | *3101.6* | 2508.4 |
| 42.5° | 4042.2 | 4059.7 | 3965.4 | 3811.6 | 3673.5 | 3625.4 | 3699.4 | 3489.6 | 3413.2 | *3325.5* | 2692.8 |
| 45° | 3974.3 | 3991.3 | 3948.4 | 3841.8 | 3761.2 | 3730.1 | 3872.9 | 3702.7 | 3649.9 | *3563.2* | 2900.7 |
| 47.5° | 3776.3 | 3797.5 | 3807.9 | 3785.2 | 3784.3 | 3815.9 | 4028.5 | 3927.2 | 3930.9 | *3842.3* | 3141.6 |
| 50° | 3392.9 | 3428.8 | 3524.0 | 3604.2 | 3728.2 | 3883.8 | 4179.9 | 4170.5 | 4247.8 | *4171.4* | 3455.7 |
| 52.5° | 2696.1 | 2747.0 | 3075.2 | 3294.4 | 3573.1 | 3871.1 | 4346.3 | 4560.9 | 4803.7 | *4691.9* | 3898.4 |
| 55° | 2166.6 | 2166.6 | 2433.4 | 2843.6 | 3270.4 | 3787.1 | 4418.9 | 4814.5 | 5182.3 | *5155.9* | 4210.1 |
| 57.5° | 1766.3 | 1787.5 | 1957.7 | 2320.3 | 2832.3 | 3587.2 | 4463.7 | 4973.9 | 5487.4 | *5468.0* | 4514.7 |
| 60° | 1090.1 | 1135.9 | 1457.4 | 1815.3 | 2333.9 | 3231.2 | 4435.4 | 5135.2 | 5857.5 | *5873.1* | 4881.5 |
| 62.5° | 613.9 | 630.9 | 774.2 | 1306.1 | 1814.8 | 2752.6 | 4219.0 | 5225.2 | 6330.9 | *6396.9* | 5259.6 |
| 65° | 423.9 | 432.4 | 487.5 | 812.9 | 1258.0 | 2191.6 | 3796.1 | 5169.1 | 6805.2 | *6938.7* | 5580.3 |
| 67.5° | *307.9* | *312.1* | *346.6* | *496.5* | *746.4* | *1589.0* | *3133.1* | *4886.2* | *7056.5* | *7279.6* | *5641.6* |
| 70° | 236.7 | 239.5 | 264.5 | 326.3 | 440.9 | 980.7 | 2275.5 | 4323.7 | 6874.5 | *7140.9* | 5327.5 |
| 72.5° | 192.4 | 195.2 | 214.5 | 241.4 | 292.3 | 580.0 | 1379.2 | 3511.3 | 6071.1 | *6358.7* | 4535.4 |
| 75° | 162.2 | 166.0 | 183.4 | 200.9 | 229.2 | 372.5 | 646.9 | 2445.2 | 4565.6 | *4754.2* | 3153.9 |
| 77.5° | 90.1 | 83.0 | 149.0 | 166.4 | 193.3 | 235.8 | 302.7 | 1439.0 | 2557.0 | *2609.3* | 1399.4 |
| 80° | 56.1 | 58.0 | 118.3 | 133.9 | 148.5 | 118.8 | 138.6 | 554.0 | 886.4 | *842.1* | 271.1 |
| 82.5° | 3.3 | 7.5 | 91.0 | 96.7 | 101.8 | 50.9 | 52.3 | 188.1 | 213.6 | *196.1* | 48.1 |
| 85° | 0.0 | 0.0 | 41.5 | 33.5 | 35.4 | 14.6 | 15.1 | 43.8 | 28.8 | *31.1* | 9.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 1.4 | 2.8 | 3.8 | 1.4 | *1.9* | 3.3 |
| 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° | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 | 875.6 |
| 2.5° | 887.4 | 854.4 | 787.4 | 721.9 | 668.6 | 619.1 | 583.7 | 550.2 | 533.3 | 532.3 | 531.4 |
| 5° | 914.2 | 844.9 | 711.0 | 592.7 | 497.4 | 421.1 | 371.5 | 336.2 | 318.3 | 312.1 | 311.2 |
| 7.5° | 952.0 | 847.8 | 644.1 | 479.5 | 367.3 | 301.8 | 273.5 | 262.2 | 258.4 | 254.1 | 253.2 |
| 10° | 999.6 | 854.4 | 584.2 | 386.2 | 289.5 | 256.5 | 245.2 | 240.5 | 237.6 | 234.8 | 233.9 |
| 12.5° | 1052.9 | 860.5 | 524.8 | 320.6 | 254.6 | 237.6 | 229.6 | 224.0 | 220.2 | 216.9 | 215.9 |
| 15° | 1104.7 | 864.3 | 463.0 | 274.9 | 236.7 | 223.0 | 214.5 | 208.4 | 203.2 | 199.4 | 199.0 |
| 17.5° | 1156.1 | 869.5 | 405.0 | 247.5 | 222.1 | 208.4 | 199.9 | 192.4 | 188.1 | 183.9 | 183.4 |
| 20° | 1213.2 | 868.5 | 350.3 | 228.2 | 207.5 | 193.8 | 184.8 | 177.8 | 173.5 | 168.8 | 168.3 |
| 22.5° | 1266.0 | 863.8 | 302.2 | 211.7 | 192.4 | 179.2 | 169.3 | 162.2 | 158.0 | 154.2 | 153.7 |
| 25° | 1326.8 | 860.0 | 262.2 | 196.6 | 178.2 | 165.0 | 154.2 | 147.6 | 142.9 | 139.6 | 139.1 |
| 27.5° | 1385.3 | 854.4 | 232.9 | 182.9 | 164.6 | 151.8 | 141.5 | 133.9 | 129.7 | 127.3 | 127.3 |
| 30° | 1442.8 | 853.0 | 222.1 | 169.7 | 152.3 | 139.6 | 129.2 | 122.1 | 118.8 | 117.9 | 117.4 |
| 32.5° | 1512.1 | 856.7 | 226.8 | 165.0 | 141.0 | 128.2 | 118.3 | 113.2 | 109.9 | 109.9 | 109.9 |
| 35° | 1586.1 | 855.8 | 233.9 | 169.3 | 133.4 | 116.9 | 109.4 | 106.1 | 102.8 | 102.8 | 102.8 |
| 37.5° | 1679.0 | 857.2 | 239.5 | 176.3 | 130.6 | 107.5 | 103.3 | 99.0 | 97.1 | 97.1 | 97.1 |
| 40° | 1817.7 | 903.9 | 236.7 | 182.5 | 129.7 | 100.9 | 92.4 | 91.0 | 89.6 | 89.6 | 89.6 |
| 42.5° | 1987.4 | 1005.2 | 240.5 | 182.9 | 129.2 | 96.2 | 84.9 | 87.7 | 84.4 | 83.9 | 83.5 |
| 45° | 2173.2 | 1116.1 | 264.5 | 173.0 | 128.7 | 93.8 | 81.1 | 84.4 | 79.2 | 79.2 | 79.2 |
| 47.5° | 2357.5 | 1225.9 | 289.0 | 158.9 | 127.3 | 93.4 | 77.8 | 75.9 | 74.5 | 75.0 | 75.0 |
| 50° | 2611.7 | 1315.5 | 298.5 | 139.6 | 124.0 | 92.4 | 71.7 | 72.1 | 71.2 | 72.1 | 72.1 |
| 52.5° | 2888.4 | 1334.4 | 287.1 | 117.9 | 114.6 | 89.6 | 67.4 | 69.3 | 68.8 | 69.8 | 69.8 |
| 55° | 3061.0 | 1314.1 | 237.2 | 98.1 | 100.0 | 78.3 | 63.2 | 67.0 | 67.0 | 67.0 | 67.0 |
| 57.5° | 3239.2 | 1227.8 | 168.3 | 79.7 | 83.0 | 64.1 | 59.4 | 64.6 | 64.1 | 63.7 | 63.7 |
| 60° | 3367.5 | 1088.2 | 110.8 | 65.5 | 66.0 | 52.8 | 55.2 | 60.8 | 60.4 | 58.0 | 58.0 |
| 62.5° | 3463.2 | 934.1 | 71.2 | 55.6 | 50.5 | 47.6 | 50.5 | 55.2 | 53.3 | 48.1 | 47.2 |
| 65° | 3452.4 | 720.5 | 54.7 | 47.6 | 41.5 | 41.5 | 43.8 | 48.1 | 42.4 | 33.9 | 33.0 |
| 67.5° | *3251.0* | *487.5* | *45.3* | *40.1* | *34.9* | *34.4* | *36.3* | *40.1* | *36.3* | *28.8* | *27.8* |
| 70° | 2891.3 | 318.7 | 36.3 | 31.1 | 27.8 | 25.5 | 29.2 | 34.4 | 30.6 | 23.1 | 22.2 |
| 72.5° | 2346.7 | 194.3 | 27.3 | 22.6 | 20.3 | 16.5 | 23.1 | 28.3 | 24.5 | 17.0 | 16.0 |
| 75° | 1518.2 | 99.0 | 18.9 | 14.6 | 10.8 | 9.9 | 17.0 | 21.2 | 17.0 | 10.4 | 9.0 |
| 77.5° | 580.9 | 41.5 | 10.4 | 6.6 | 5.7 | 4.7 | 9.4 | 12.7 | 7.1 | 2.4 | 1.9 |
| 80° | 111.7 | 17.4 | 5.2 | 3.3 | 2.8 | 1.9 | 1.4 | 0.9 | 0.0 | 0.0 | 0.0 |
| 82.5° | 19.3 | 5.7 | 1.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 6.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.4 | 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 | 0.0 |

(END OF REPORT)