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: P1200208

Luminaire Tested: GPC-SB2C-735-U-T2R

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1200208 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2C-735-U-T2R |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTIC |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 15252 lumens |
| Efficiency: | N/A |
| Efficacy: | 151.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B2 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 100.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.857 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.994 |
| Total Harmonic Distortion (THDi): | 9.472 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

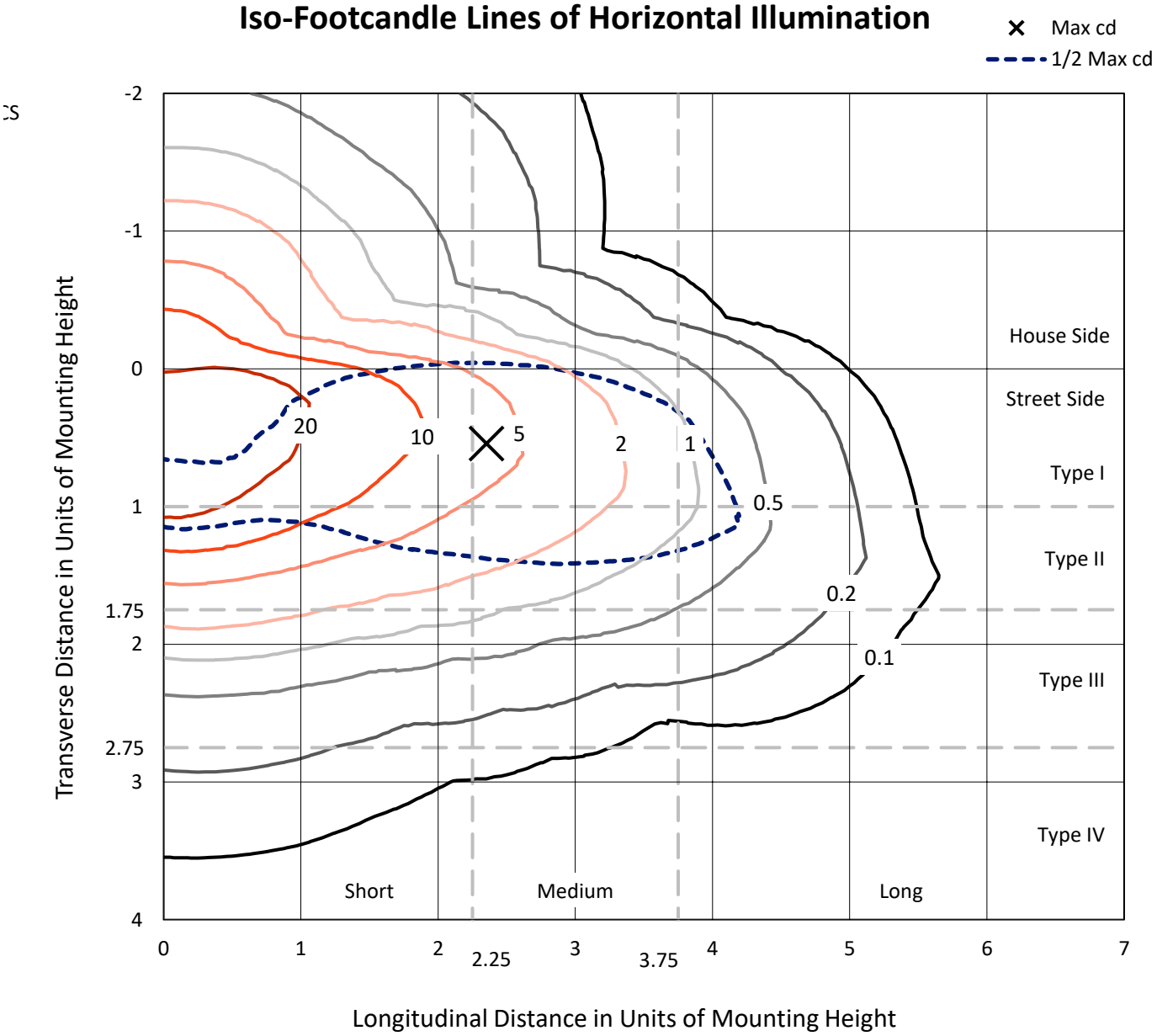


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## Iso-Footcandle Lines of Horizontal Illumination



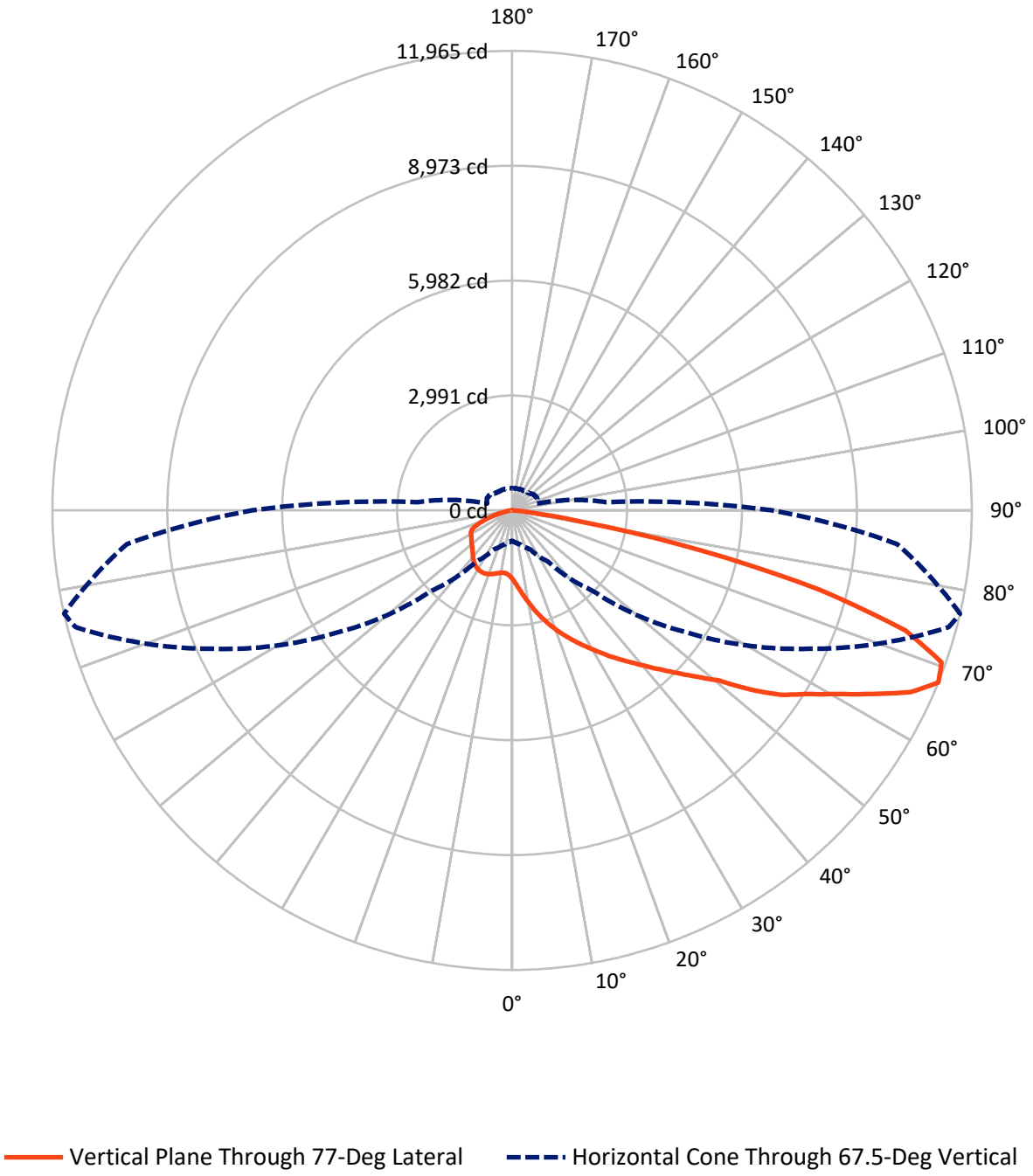

Based on 10 foot mounting height. Maximum calculated value = 34.9 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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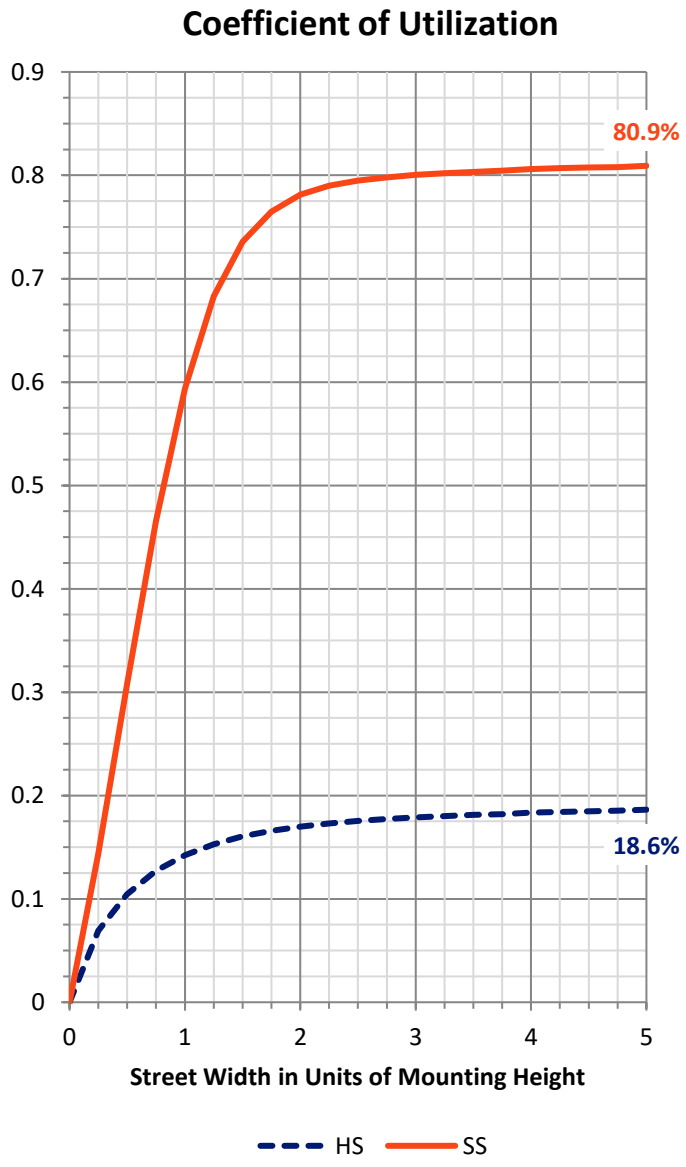
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2885.1 | 0.0 | 2885.1 |
| | % Fixture | 18.9 | 0.0 | 18.9 |
| **Street Side** | Lumens | 12366.9 | 0.0 | 12366.9 |
| | % Fixture | 81.1 | 0.0 | 81.1 |
| **Total** | Lumens | 15252.0 | 0.0 | 15252.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 191.8 | 1.3 |
| 10°-20° | 689.1 | 4.5 |
| 20°-30° | 1301.1 | 8.5 |
| 30°-40° | 2096.1 | 13.7 |
| 40°-50° | 2867.0 | 18.8 |
| 50°-60° | 3234.0 | 21.2 |
| 60°-70° | 3018.6 | 19.8 |
| 70°-80° | 1654.7 | 10.8 |
| 80°-90° | 199.6 | 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° | 15252.0 | 100.0 |
| 0°-180° | 15252.0 | 100.0 |



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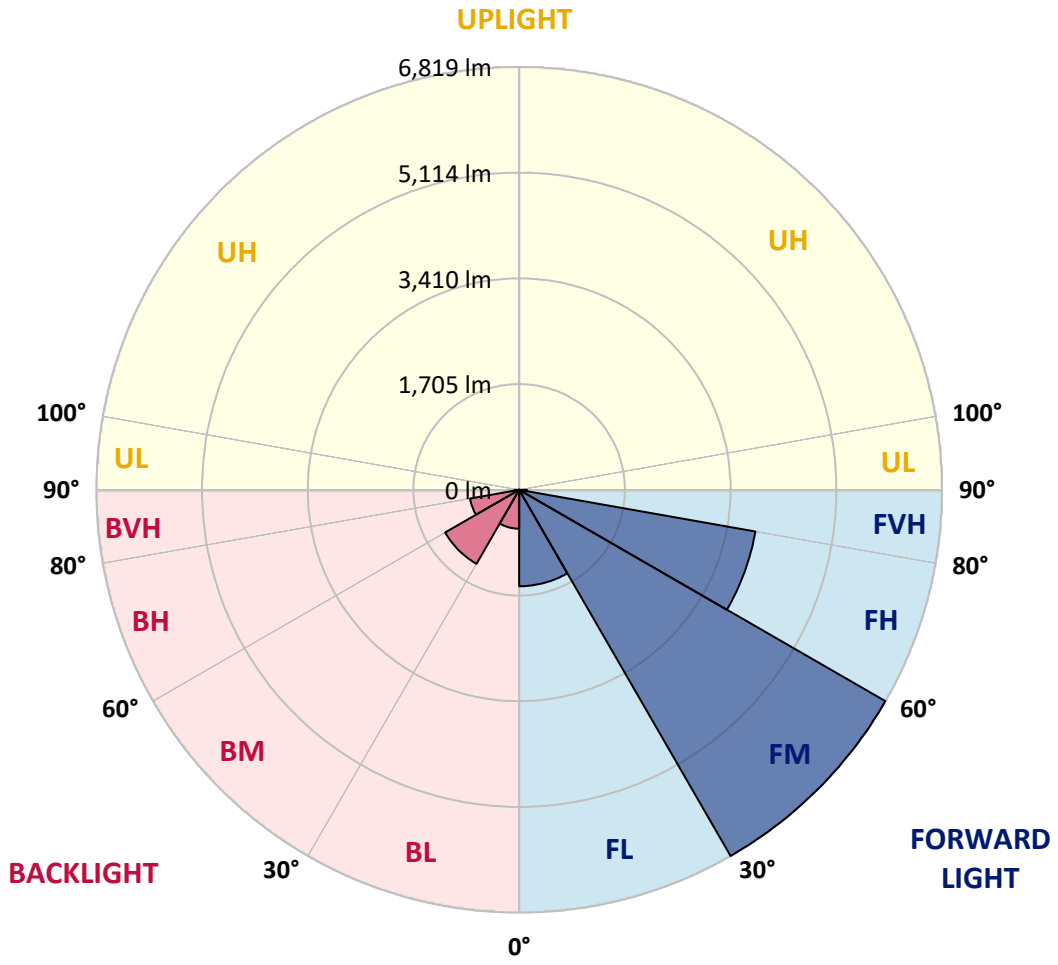
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 1554.8 | 10.2 | | | |
| FM | (30°-60°) | 6819.0 | 44.7 | | | |
| FH | (60°-80°) | 3868.4 | 25.4 | | | G2/5000 |
| FVH | (80°-90°) | 124.8 | 0.8 | | | G2/225 |
| BL | (0°-30°) | 627.3 | 4.1 | B2/1000 | | |
| BM | (30°-60°) | 1378.1 | 9.0 | B2/2500 | | |
| BH | (60°-80°) | 804.9 | 5.3 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 74.8 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G2**
Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | *1789.5* | 1789.5 |
| 2.5° | 2240.7 | 2256.4 | 2236.7 | 2236.7 | 2170.6 | 2135.9 | 2069.8 | 2019.4 | 1928.9 | *1913.1* | 1853.3 |
| 5° | 2648.5 | 2668.2 | 2640.6 | 2628.8 | 2550.9 | 2479.2 | 2368.2 | 2258.8 | 2097.4 | *2080.8* | 1939.9 |
| 7.5° | 2964.2 | 2989.4 | 2965.0 | 2952.4 | 2883.1 | 2802.8 | 2672.9 | 2520.1 | 2292.6 | *2260.3* | 2056.4 |
| 10° | 3221.6 | 3225.6 | 3217.7 | 3222.4 | 3168.1 | 3102.0 | 2968.9 | 2791.0 | 2506.8 | *2462.7* | 2197.4 |
| 12.5° | 3367.3 | 3385.4 | 3401.1 | 3429.5 | 3420.0 | 3379.1 | 3259.4 | 3046.9 | 2733.5 | *2676.8* | 2350.9 |
| 15° | 3435.8 | 3467.3 | 3502.7 | 3568.0 | 3620.8 | 3631.0 | 3539.7 | 3321.6 | 2964.2 | *2895.7* | 2506.0 |
| 17.5° | 3460.2 | 3490.1 | 3546.0 | 3640.5 | 3753.8 | 3830.2 | 3789.3 | 3588.5 | 3192.5 | *3113.8* | 2668.9 |
| 20° | 3583.8 | 3592.5 | 3626.3 | 3716.1 | 3838.9 | 3965.6 | 3996.3 | 3845.2 | 3418.5 | *3329.5* | 2837.4 |
| 22.5° | 3848.3 | 3831.0 | 3840.5 | 3881.4 | 3969.6 | 4092.4 | 4162.5 | 4071.9 | 3650.7 | *3548.4* | 3007.5 |
| 25° | 4285.3 | 4234.9 | 4184.5 | 4137.3 | 4182.1 | 4251.4 | 4330.9 | 4298.7 | 3894.0 | *3764.1* | 3179.1 |
| 27.5° | 4837.2 | 4775.8 | 4664.8 | 4509.7 | 4455.3 | 4479.7 | 4515.2 | 4508.9 | 4119.2 | *3987.7* | 3356.3 |
| 30° | 5380.4 | 5308.8 | 5176.5 | 4952.1 | 4808.8 | 4744.3 | 4717.5 | 4699.4 | 4364.0 | *4223.9* | 3535.0 |
| 32.5° | 5814.2 | 5757.5 | 5627.6 | 5376.5 | 5168.6 | 5058.4 | 4969.4 | 4904.9 | 4619.9 | *4479.7* | 3723.9 |
| 35° | 6193.7 | 6140.9 | 5992.1 | 5718.2 | 5492.2 | 5374.9 | 5258.4 | 5120.6 | 4886.0 | *4744.3* | 3927.1 |
| 37.5° | 6540.1 | 6487.4 | 6283.4 | 5998.4 | 5770.9 | 5689.8 | 5585.9 | 5352.1 | 5152.9 | *5019.0* | 4142.0 |
| 40° | 6759.0 | 6747.2 | 6556.6 | 6233.8 | 5997.7 | 5957.5 | 5922.9 | 5620.5 | 5448.9 | *5324.5* | 4378.2 |
| 42.5° | 6814.9 | 6840.9 | 6689.7 | 6424.4 | 6199.2 | 6166.9 | 6248.0 | 5924.4 | 5781.1 | *5662.3* | 4645.9 |
| 45° | 6680.2 | 6755.0 | 6655.8 | 6475.5 | 6342.5 | 6325.2 | 6536.2 | 6256.7 | 6148.8 | *6040.2* | 4968.7 |
| 47.5° | 6339.3 | 6466.1 | 6425.2 | 6400.0 | 6381.1 | 6455.9 | 6789.7 | 6609.4 | 6565.3 | *6470.8* | 5337.1 |
| 50° | 5651.2 | 5891.4 | 5963.0 | 6122.0 | 6304.7 | 6557.4 | 7020.4 | 6994.4 | 7051.8 | *6956.6* | 5785.9 |
| 52.5° | 4461.6 | 4792.3 | 5208.0 | 5606.4 | 6070.1 | 6523.6 | 7273.9 | 7547.1 | 7789.5 | *7737.6* | 6499.2 |
| 55° | 3683.0 | 3831.8 | 4151.4 | 4882.0 | 5615.0 | 6381.1 | 7388.0 | 7993.5 | 8521.7 | *8475.3* | 7040.0 |
| 57.5° | 3084.6 | 3217.7 | 3414.5 | 4024.7 | 4926.9 | 6057.5 | 7458.9 | 8265.9 | 9023.2 | *9018.5* | 7573.8 |
| 60° | 2443.0 | 2583.9 | 2785.5 | 3217.7 | 4123.1 | 5498.5 | 7443.1 | 8576.1 | 9663.3 | *9702.7* | 8224.9 |
| 62.5° | 1718.7 | 1873.8 | 2097.4 | 2500.5 | 3301.9 | 4774.2 | 7121.9 | 8800.4 | 10416.8 | *10523.8* | 9008.3 |
| 65° | 1129.8 | 1232.1 | 1400.6 | 1748.6 | 2460.3 | 3842.8 | 6508.6 | 8829.6 | 11223.0 | *11404.0* | 9743.6 |
| 67.5° | *792.0* | *831.4* | *930.6* | *1119.5* | *1621.8* | *2946.9* | *5531.6* | *8528.0* | *11760.7* | *11964.6* | *10062.5* |
| 70° | 618.0 | 637.7 | 688.1 | 763.7 | 1018.8 | 1981.6 | 4238.8 | 7743.9 | 11645.7 | *11858.3* | 9729.5 |
| 72.5° | 533.8 | 552.7 | 571.6 | 581.0 | 683.4 | 1223.5 | 2871.3 | 6474.8 | 10563.2 | *10707.3* | 8459.5 |
| 75° | 484.2 | 488.9 | 504.7 | 501.5 | 521.2 | 793.6 | 1657.3 | 4717.5 | 8334.4 | *8284.8* | 6244.9 |
| 77.5° | 407.0 | 413.3 | 439.3 | 435.4 | 462.9 | 542.4 | 860.5 | 3044.5 | 5403.2 | *5066.3* | 3475.9 |
| 80° | 344.8 | 348.0 | 376.3 | 371.6 | 402.3 | 392.9 | 439.3 | 1551.8 | 2291.8 | *1941.5* | 1002.2 |
| 82.5° | 119.7 | 148.0 | 287.4 | 296.0 | 307.0 | 237.8 | 253.5 | 633.0 | 699.9 | *536.2* | 210.2 |
| 85° | 58.3 | 62.2 | 146.4 | 207.8 | 207.1 | 119.7 | 123.6 | 226.0 | 220.4 | *173.2* | 70.1 |
| 87.5° | 9.4 | 11.8 | 17.3 | 81.1 | 64.6 | 31.5 | 42.5 | 44.1 | 45.7 | *39.4* | 15.7 |
| 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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**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 | 1789.5 |
| 2.5° | 1809.2 | 1769.9 | 1687.2 | 1610.8 | 1551.0 | 1493.5 | 1461.2 | 1433.7 | 1417.9 | 1414.8 | 1414.8 |
| 5° | 1858.0 | 1776.9 | 1626.6 | 1499.8 | 1417.1 | 1355.7 | 1323.5 | 1303.0 | 1292.7 | 1286.4 | 1285.7 |
| 7.5° | 1928.1 | 1809.2 | 1595.1 | 1451.0 | 1364.4 | 1320.3 | 1303.8 | 1300.6 | 1299.8 | 1300.6 | 1303.0 |
| 10° | 2024.9 | 1862.0 | 1591.9 | 1439.2 | 1366.8 | 1342.3 | 1341.6 | 1342.3 | 1345.5 | 1346.3 | 1347.1 |
| 12.5° | 2129.6 | 1916.3 | 1604.5 | 1449.4 | 1396.7 | 1383.3 | 1380.9 | 1380.1 | 1382.5 | 1384.1 | 1384.9 |
| 15° | 2243.8 | 1987.9 | 1625.8 | 1471.5 | 1429.7 | 1415.6 | 1413.2 | 1408.5 | 1407.7 | 1406.9 | 1406.1 |
| 17.5° | 2361.1 | 2058.8 | 1649.4 | 1495.1 | 1451.0 | 1431.3 | 1422.7 | 1411.6 | 1403.0 | 1400.6 | 1403.0 |
| 20° | 2480.0 | 2128.9 | 1665.9 | 1506.9 | 1452.6 | 1425.0 | 1407.7 | 1388.8 | 1373.8 | 1365.2 | 1368.3 |
| 22.5° | 2606.8 | 2202.1 | 1676.2 | 1503.7 | 1438.4 | 1400.6 | 1369.1 | 1347.1 | 1324.2 | 1309.3 | 1310.1 |
| 25° | 2730.4 | 2265.9 | 1675.4 | 1487.2 | 1410.8 | 1362.8 | 1322.7 | 1294.3 | 1262.8 | 1247.1 | 1247.1 |
| 27.5° | 2849.2 | 2323.3 | 1655.7 | 1458.1 | 1371.5 | 1317.9 | 1269.9 | 1236.1 | 1205.4 | 1190.4 | 1189.6 |
| 30° | 2972.1 | 2371.3 | 1625.0 | 1415.6 | 1325.0 | 1266.0 | 1213.2 | 1184.1 | 1156.5 | 1142.4 | 1141.6 |
| 32.5° | 3094.1 | 2415.4 | 1581.7 | 1362.8 | 1271.5 | 1214.8 | 1162.8 | 1136.1 | 1119.5 | 1119.5 | 1120.3 |
| 35° | 3223.2 | 2446.1 | 1524.2 | 1301.4 | 1214.8 | 1160.5 | 1119.5 | 1103.8 | 1102.2 | 1092.8 | 1090.4 |
| 37.5° | 3359.4 | 2465.8 | 1454.1 | 1238.4 | 1158.9 | 1107.7 | 1095.1 | 1076.2 | 1060.5 | 1040.0 | 1036.9 |
| 40° | 3502.7 | 2485.5 | 1369.9 | 1173.1 | 1099.9 | 1071.5 | 1066.0 | 1040.8 | 995.9 | 945.5 | 938.5 |
| 42.5° | 3676.7 | 2498.9 | 1282.5 | 1107.7 | 1037.7 | 1028.2 | 1036.1 | 992.8 | 921.1 | 883.4 | 884.1 |
| 45° | 3878.2 | 2520.9 | 1202.2 | 1043.2 | 973.9 | 973.9 | 1007.0 | 950.3 | 891.2 | 867.6 | 871.5 |
| 47.5° | 4139.6 | 2572.1 | 1127.4 | 972.3 | 914.8 | 930.6 | 942.4 | 899.1 | 866.0 | 836.9 | 836.1 |
| 50° | 4517.5 | 2694.9 | 1050.3 | 900.7 | 870.0 | 901.5 | 884.9 | 859.7 | 821.2 | 797.5 | 795.2 |
| 52.5° | 4986.8 | 2767.4 | 981.8 | 836.1 | 831.4 | 862.9 | 839.3 | 815.6 | 786.5 | 755.0 | 748.7 |
| 55° | 5306.4 | 2780.7 | 924.3 | 788.9 | 805.4 | 802.3 | 793.6 | 772.3 | 756.6 | 714.9 | 715.7 |
| 57.5° | 5663.8 | 2807.5 | 877.1 | 760.5 | 788.9 | 754.2 | 751.1 | 733.0 | 712.5 | 684.2 | 674.7 |
| 60° | 6091.3 | 2849.2 | 836.1 | 749.5 | 774.7 | 722.7 | 707.0 | 699.9 | 679.4 | 665.3 | 669.2 |
| 62.5° | 6557.4 | 2887.0 | 794.4 | 751.1 | 758.2 | 692.0 | 668.4 | 666.1 | 653.5 | 648.7 | 648.7 |
| 65° | 6875.5 | 2783.9 | 742.4 | 749.5 | 732.2 | 660.5 | 630.6 | 629.8 | 619.6 | 618.0 | 617.2 |
| 67.5° | *6764.5* | *2457.2* | *672.4* | *727.5* | *705.4* | *629.1* | *596.0* | *592.8* | *579.5* | *580.2* | *580.2* |
| 70° | 6208.6 | 1991.1 | 575.5 | 673.1 | 672.4 | 600.7 | 559.8 | 549.5 | 531.4 | 534.6 | 537.7 |
| 72.5° | 5166.3 | 1475.4 | 445.6 | 582.6 | 619.6 | 574.7 | 518.0 | 501.5 | 478.7 | 481.8 | 481.0 |
| 75° | 3731.0 | 1003.0 | 324.4 | 443.3 | 539.3 | 544.0 | 477.1 | 448.8 | 421.2 | 425.9 | 427.5 |
| 77.5° | 1909.2 | 568.4 | 238.6 | 305.5 | 423.6 | 494.4 | 440.1 | 402.3 | 396.0 | 440.1 | 433.8 |
| 80° | 622.8 | 285.0 | 165.3 | 214.1 | 277.9 | 404.7 | 385.8 | 342.5 | 340.9 | 351.1 | 301.5 |
| 82.5° | 185.8 | 120.5 | 106.3 | 140.9 | 153.5 | 310.2 | 333.0 | 259.0 | 222.8 | 234.6 | 242.5 |
| 85° | 63.8 | 58.3 | 60.6 | 70.1 | 73.2 | 181.9 | 233.0 | 171.6 | 162.2 | 178.7 | 176.4 |
| 87.5° | 15.0 | 20.5 | 17.3 | 15.7 | 15.7 | 44.1 | 90.5 | 71.6 | 99.2 | 66.1 | 63.8 |
| 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)