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: P1198415

Luminaire Tested: GPC-SB1C-827-U-T2R-HSS

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1198415 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1C-827-U-T2R-HSS |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 5544 lumens |
| Efficiency: | N/A |
| Efficacy: | 101.9 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B0 - U0 - G1 |

| | |
|---|---|
| Input Watts (W): | 54.4 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.437 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.993 |
| Total Harmonic Distortion (THDi): | 9.314 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

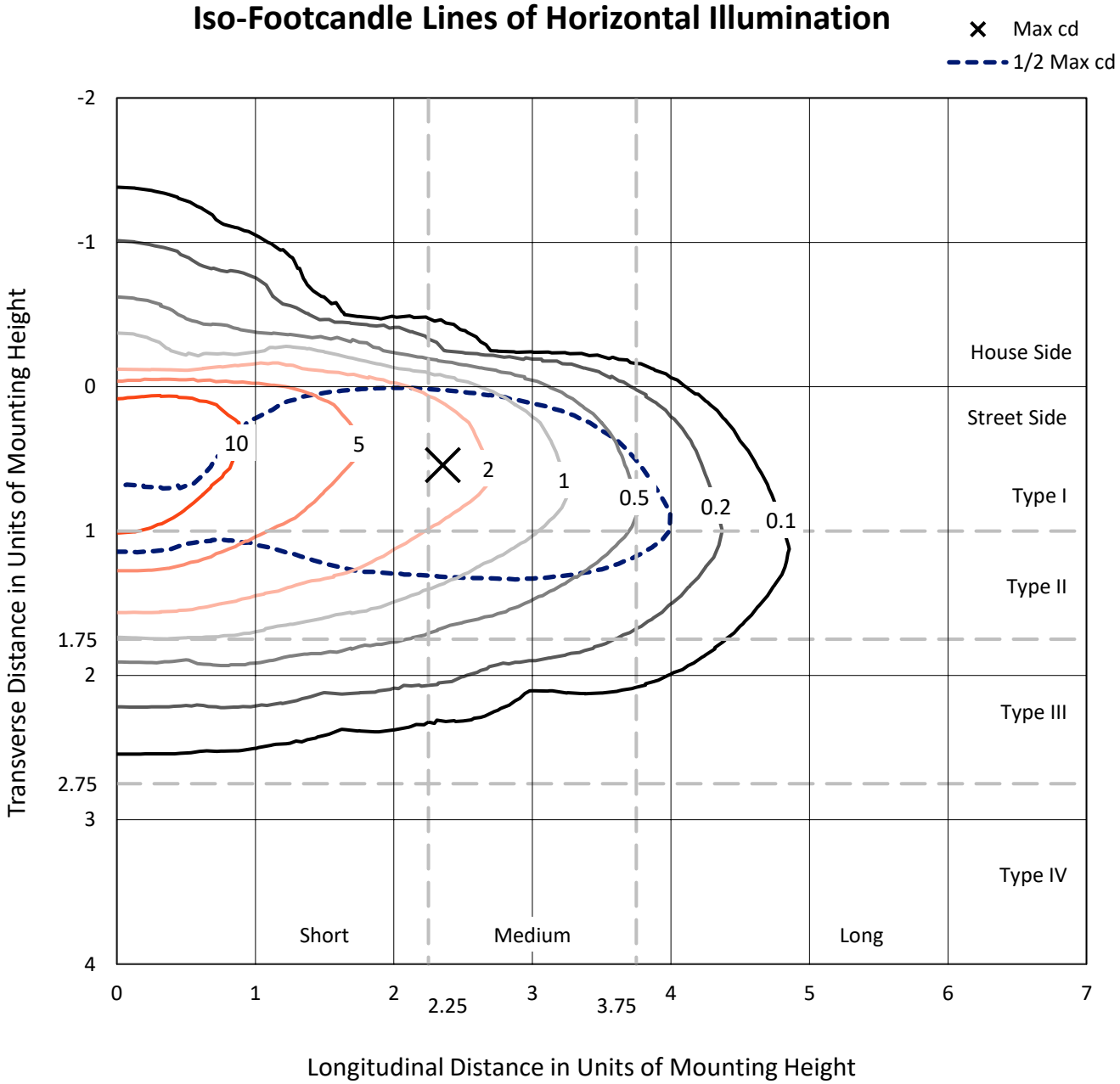


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## Iso-Footcandle Lines of Horizontal Illumination



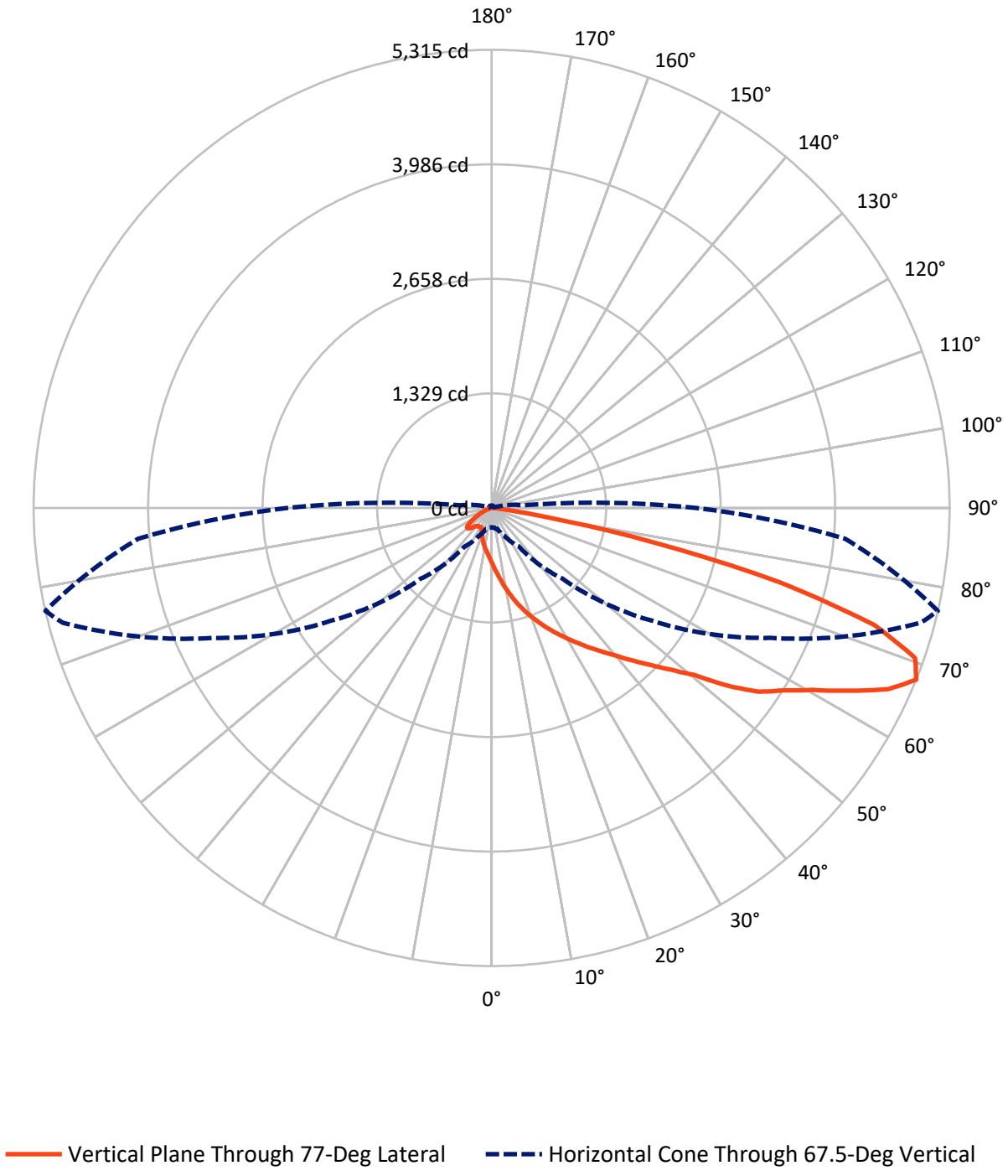

Based on 10 foot mounting height. Maximum calculated value = 14.9 fc
Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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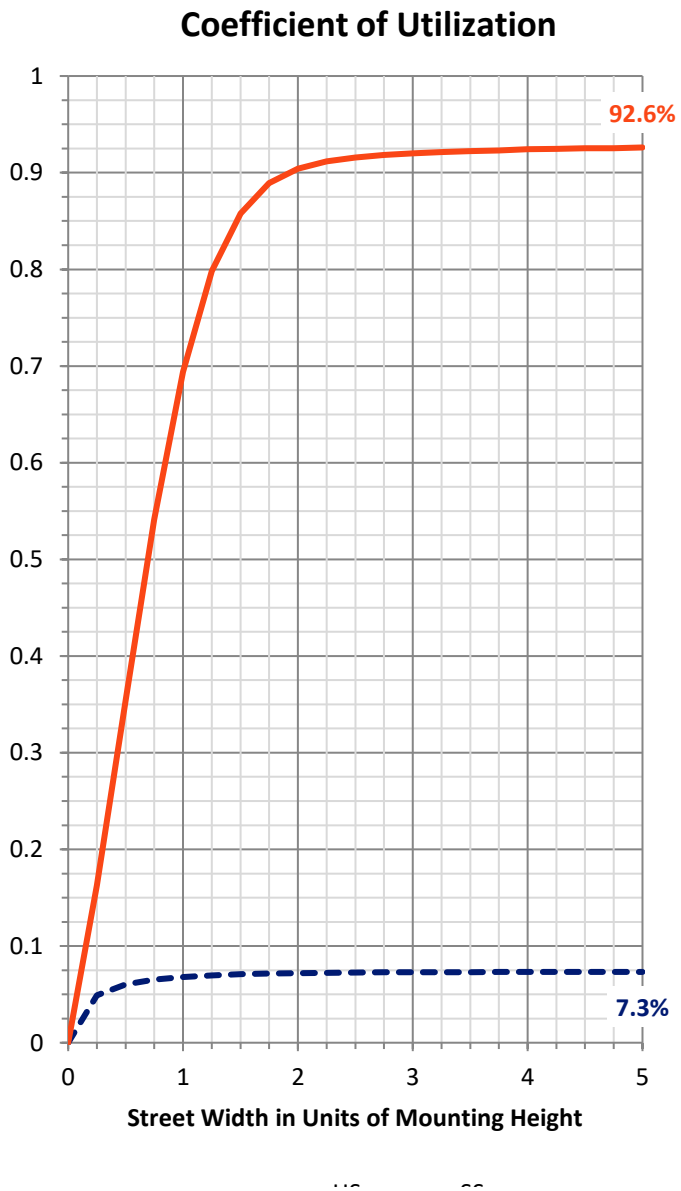
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 407.9 | 0.0 | 407.9 |
| | % Fixture | 7.4 | 0.0 | 7.4 |
| **Street Side** | Lumens | 5136.1 | 0.0 | 5136.1 |
| | % Fixture | 92.6 | 0.0 | 92.6 |
| **Total** | Lumens | 5544.0 | 0.0 | 5544.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 65.3 | 1.2 |
| 10°-20° | 228.5 | 4.1 |
| 20°-30° | 441.0 | 8.0 |
| 30°-40° | 765.5 | 13.8 |
| 40°-50° | 1111.5 | 20.0 |
| 50°-60° | 1276.4 | 23.0 |
| 60°-70° | 1108.1 | 20.0 |
| 70°-80° | 521.9 | 9.4 |
| 80°-90° | 25.8 | 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° | 5544.0 | 100.0 |
| 0°-180° | 5544.0 | 100.0 |



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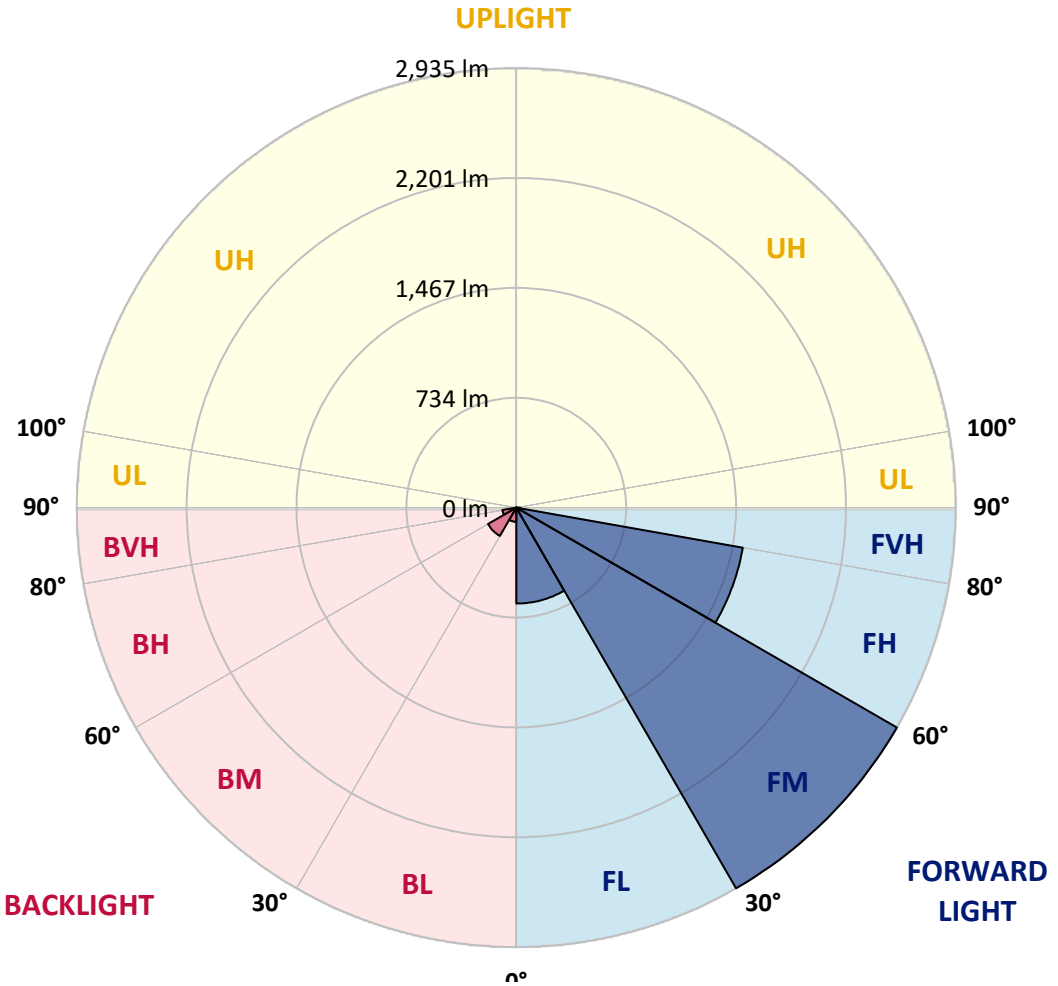
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 640.3 | 11.5 | | | |
| FM | (30°-60°) | 2934.8 | 52.9 | | | |
| FH | (60°-80°) | 1535.7 | 27.7 | | | G1/1800 |
| FVH | (80°-90°) | 25.3 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 94.4 | 1.7 | B0/110 | | |
| BM | (30°-60°) | 218.5 | 3.9 | B0/220 | | |
| BH | (60°-80°) | 94.4 | 1.7 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.5 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B0-U0-G1**
Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | *639.3* | 639.3 |
| 2.5° | 885.1 | 890.6 | 882.7 | 867.6 | 844.8 | 830.0 | 793.9 | 759.8 | 721.9 | *709.9* | 672.0 |
| 5° | 1078.9 | 1083.8 | 1074.8 | 1058.3 | 1028.0 | 999.1 | 951.6 | 880.3 | 806.3 | *782.5* | 715.4 |
| 7.5° | 1222.5 | 1225.2 | 1221.8 | 1206.7 | 1177.7 | 1145.0 | 1092.0 | 1007.7 | 897.8 | *871.7* | 768.7 |
| 10° | 1325.8 | 1334.7 | 1333.7 | 1327.8 | 1308.6 | 1282.1 | 1225.6 | 1129.5 | 1000.4 | *966.7* | 829.0 |
| 12.5° | 1394.3 | 1404.3 | 1410.1 | 1423.2 | 1422.2 | 1405.3 | 1355.7 | 1254.2 | 1102.7 | *1063.1* | 896.8 |
| 15° | 1414.3 | 1424.9 | 1447.3 | 1477.6 | 1504.4 | 1513.1 | 1478.3 | 1376.4 | 1215.3 | *1164.7* | 966.4 |
| 17.5° | 1402.9 | 1419.4 | 1446.3 | 1494.1 | 1553.0 | 1591.9 | 1588.1 | 1494.5 | 1317.5 | *1259.7* | 1034.5 |
| 20° | 1428.0 | 1443.9 | 1464.9 | 1505.1 | 1573.6 | 1644.2 | 1672.5 | 1607.4 | 1419.1 | *1358.5* | 1106.1 |
| 22.5° | 1567.1 | 1564.4 | 1566.4 | 1573.0 | 1613.9 | 1683.8 | 1742.0 | 1710.0 | 1519.6 | *1457.6* | 1181.9 |
| 25° | 1787.4 | 1775.0 | 1754.0 | 1718.6 | 1708.3 | 1742.0 | 1802.6 | 1800.9 | 1625.6 | *1559.2* | 1259.3 |
| 27.5° | 2040.1 | 2038.1 | 1988.8 | 1903.5 | 1855.3 | 1842.2 | 1871.1 | 1889.3 | 1730.6 | *1659.7* | 1337.1 |
| 30° | 2282.1 | 2287.7 | 2221.2 | 2126.2 | 2037.7 | 1986.4 | 1960.3 | 1973.3 | 1837.4 | *1768.2* | 1417.3 |
| 32.5° | 2492.8 | 2498.7 | 2426.4 | 2315.2 | 2205.7 | 2143.8 | 2088.7 | 2056.3 | 1953.7 | *1878.3* | 1505.5 |
| 35° | 2670.8 | 2676.7 | 2593.7 | 2470.8 | 2354.1 | 2298.0 | 2235.7 | 2147.2 | 2070.8 | *2000.5* | 1603.6 |
| 37.5° | 2829.9 | 2828.2 | 2717.0 | 2593.0 | 2478.4 | 2434.0 | 2401.3 | 2259.1 | 2191.3 | *2123.4* | 1712.4 |
| 40° | 2923.9 | 2931.1 | 2836.1 | 2699.4 | 2588.2 | 2555.8 | 2553.8 | 2397.8 | 2330.3 | *2264.6* | 1831.5 |
| 42.5° | 2951.4 | 2964.1 | 2895.3 | 2783.1 | 2682.2 | 2647.1 | 2701.1 | 2547.9 | 2492.2 | *2428.1* | 1966.1 |
| 45° | 2901.8 | 2914.2 | 2882.9 | 2805.1 | 2746.2 | 2723.5 | 2827.8 | 2703.5 | 2665.0 | *2601.6* | 2117.9 |
| 47.5° | 2757.2 | 2772.7 | 2780.3 | 2763.8 | 2763.1 | 2786.2 | 2941.4 | 2867.4 | 2870.2 | *2805.4* | 2293.9 |
| 50° | 2477.3 | 2503.5 | 2573.1 | 2631.6 | 2722.1 | 2835.7 | 3051.9 | 3045.0 | 3101.5 | *3045.7* | 2523.1 |
| 52.5° | 1968.5 | 2005.7 | 2245.3 | 2405.4 | 2608.9 | 2826.4 | 3173.5 | 3330.1 | 3507.4 | *3425.8* | 2846.4 |
| 55° | 1581.9 | 1581.9 | 1776.8 | 2076.3 | 2387.8 | 2765.2 | 3226.5 | 3515.3 | 3783.8 | *3764.6* | 3074.0 |
| 57.5° | 1289.6 | 1305.1 | 1429.4 | 1694.1 | 2068.0 | 2619.2 | 3259.2 | 3631.7 | 4006.6 | *3992.5* | 3296.4 |
| 60° | 795.9 | 829.3 | 1064.1 | 1325.4 | 1704.1 | 2359.3 | 3238.5 | 3749.4 | 4276.8 | *4288.2* | 3564.2 |
| 62.5° | 448.2 | 460.6 | 565.3 | 953.6 | 1325.1 | 2009.8 | 3080.5 | 3815.2 | 4622.5 | *4670.7* | 3840.3 |
| 65° | 309.5 | 315.7 | 356.0 | 593.5 | 918.5 | 1600.2 | 2771.7 | 3774.2 | 4968.8 | *5066.2* | 4074.4 |
| 67.5° | *224.8* | *227.9* | *253.0* | *362.5* | *545.0* | *1160.2* | *2287.7* | *3567.6* | *5152.3* | *5315.1* | *4119.2* |
| 70° | 172.8 | 174.9 | 193.1 | 238.2 | 321.9 | 716.1 | 1661.4 | 3156.9 | 5019.4 | *5213.9* | 3889.9 |
| 72.5° | 140.5 | 142.5 | 156.6 | 176.3 | 213.4 | 423.4 | 1007.0 | 2563.8 | 4432.8 | *4642.8* | 3311.5 |
| 75° | 118.4 | 121.2 | 133.9 | 146.7 | 167.3 | 272.0 | 472.3 | 1785.4 | 3333.5 | *3471.2* | 2302.8 |
| 77.5° | 65.8 | 60.6 | 108.8 | 121.5 | 141.1 | 172.1 | 221.0 | 1050.7 | 1867.0 | *1905.2* | 1021.8 |
| 80° | 41.0 | 42.3 | 86.4 | 97.8 | 108.4 | 86.8 | 101.2 | 404.5 | 647.2 | *614.9* | 198.0 |
| 82.5° | 2.4 | 5.5 | 66.4 | 70.6 | 74.4 | 37.2 | 38.2 | 137.4 | 156.0 | *143.2* | 35.1 |
| 85° | 0.0 | 0.0 | 30.3 | 24.4 | 25.8 | 10.7 | 11.0 | 32.0 | 21.0 | *22.7* | 6.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 1.0 | 2.1 | 2.8 | 1.0 | *1.4* | 2.4 |
| 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° | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 | 639.3 |
| 2.5° | 647.9 | 623.8 | 574.9 | 527.1 | 488.2 | 452.0 | 426.2 | 401.8 | 389.4 | 388.7 | 388.0 |
| 5° | 667.5 | 616.9 | 519.2 | 432.7 | 363.2 | 307.4 | 271.3 | 245.5 | 232.4 | 227.9 | 227.2 |
| 7.5° | 695.1 | 619.0 | 470.3 | 350.1 | 268.2 | 220.3 | 199.7 | 191.4 | 188.7 | 185.6 | 184.9 |
| 10° | 729.8 | 623.8 | 426.5 | 282.0 | 211.4 | 187.3 | 179.0 | 175.6 | 173.5 | 171.4 | 170.8 |
| 12.5° | 768.7 | 628.3 | 383.2 | 234.1 | 185.9 | 173.5 | 167.7 | 163.5 | 160.8 | 158.4 | 157.7 |
| 15° | 806.6 | 631.0 | 338.1 | 200.7 | 172.8 | 162.8 | 156.6 | 152.2 | 148.4 | 145.6 | 145.3 |
| 17.5° | 844.1 | 634.8 | 295.7 | 180.7 | 162.1 | 152.2 | 146.0 | 140.5 | 137.4 | 134.3 | 133.9 |
| 20° | 885.8 | 634.1 | 255.8 | 166.6 | 151.5 | 141.5 | 135.0 | 129.8 | 126.7 | 123.2 | 122.9 |
| 22.5° | 924.4 | 630.7 | 220.7 | 154.6 | 140.5 | 130.8 | 123.6 | 118.4 | 115.3 | 112.6 | 112.2 |
| 25° | 968.8 | 627.9 | 191.4 | 143.6 | 130.1 | 120.5 | 112.6 | 107.8 | 104.3 | 101.9 | 101.6 |
| 27.5° | 1011.5 | 623.8 | 170.1 | 133.6 | 120.1 | 110.9 | 103.3 | 97.8 | 94.7 | 93.0 | 93.0 |
| 30° | 1053.5 | 622.8 | 162.1 | 123.9 | 111.2 | 101.9 | 94.3 | 89.2 | 86.8 | 86.1 | 85.7 |
| 32.5° | 1104.1 | 625.5 | 165.6 | 120.5 | 102.9 | 93.6 | 86.4 | 82.6 | 80.2 | 80.2 | 80.2 |
| 35° | 1158.1 | 624.8 | 170.8 | 123.6 | 97.4 | 85.4 | 79.9 | 77.5 | 75.1 | 75.1 | 75.1 |
| 37.5° | 1225.9 | 625.9 | 174.9 | 128.8 | 95.4 | 78.5 | 75.4 | 72.3 | 70.9 | 70.9 | 70.9 |
| 40° | 1327.2 | 660.0 | 172.8 | 133.2 | 94.7 | 73.7 | 67.5 | 66.4 | 65.4 | 65.4 | 65.4 |
| 42.5° | 1451.1 | 734.0 | 175.6 | 133.6 | 94.3 | 70.2 | 62.0 | 64.0 | 61.6 | 61.3 | 60.9 |
| 45° | 1586.7 | 814.9 | 193.1 | 126.3 | 94.0 | 68.5 | 59.2 | 61.6 | 57.8 | 57.8 | 57.8 |
| 47.5° | 1721.3 | 895.1 | 211.0 | 116.0 | 93.0 | 68.2 | 56.8 | 55.4 | 54.4 | 54.7 | 54.7 |
| 50° | 1906.9 | 960.5 | 217.9 | 101.9 | 90.5 | 67.5 | 52.3 | 52.7 | 52.0 | 52.7 | 52.7 |
| 52.5° | 2109.0 | 974.3 | 209.7 | 86.1 | 83.7 | 65.4 | 49.2 | 50.6 | 50.3 | 51.0 | 51.0 |
| 55° | 2235.0 | 959.5 | 173.2 | 71.6 | 73.0 | 57.1 | 46.1 | 48.9 | 48.9 | 48.9 | 48.9 |
| 57.5° | 2365.1 | 896.5 | 122.9 | 58.2 | 60.6 | 46.8 | 43.4 | 47.2 | 46.8 | 46.5 | 46.5 |
| 60° | 2458.8 | 794.6 | 80.9 | 47.9 | 48.2 | 38.6 | 40.3 | 44.4 | 44.1 | 42.3 | 42.3 |
| 62.5° | 2528.6 | 682.0 | 52.0 | 40.6 | 36.8 | 34.8 | 36.8 | 40.3 | 38.9 | 35.1 | 34.4 |
| 65° | 2520.7 | 526.0 | 39.9 | 34.8 | 30.3 | 30.3 | 32.0 | 35.1 | 31.0 | 24.8 | 24.1 |
| 67.5° | *2373.7* | *356.0* | *33.0* | *29.3* | *25.5* | *25.1* | *26.5* | *29.3* | *26.5* | *21.0* | *20.3* |
| 70° | 2111.0 | 232.7 | 26.5 | 22.7 | 20.3 | 18.6 | 21.3 | 25.1 | 22.4 | 16.9 | 16.2 |
| 72.5° | 1713.4 | 141.8 | 20.0 | 16.5 | 14.8 | 12.0 | 16.9 | 20.7 | 17.9 | 12.4 | 11.7 |
| 75° | 1108.5 | 72.3 | 13.8 | 10.7 | 7.9 | 7.2 | 12.4 | 15.5 | 12.4 | 7.6 | 6.5 |
| 77.5° | 424.1 | 30.3 | 7.6 | 4.8 | 4.1 | 3.4 | 6.9 | 9.3 | 5.2 | 1.7 | 1.4 |
| 80° | 81.6 | 12.7 | 3.8 | 2.4 | 2.1 | 1.4 | 1.0 | 0.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 14.1 | 4.1 | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 4.8 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.7 | 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 |


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(END OF REPORT)