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: P1199741

Luminaire Tested: GPC-SB2B-735-U-T4W

Issue Date: 10/30/2025

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1199741 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/13/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB2B-735-U-T4W |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 11237 lumens |
| Efficiency: | N/A |
| Efficacy: | 152.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B2 - U0 - G2 |

| | |
|---|---|
| Input Watts (W): | 73.9 |
| Input Voltage (V): | 120.0 |
| Input Current (Ain): | 0.627 |
| Voltage Rise (V): | NR |
| Power Factor: | 0.988 |
| Total Harmonic Distortion (THDi): | 13.593 |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

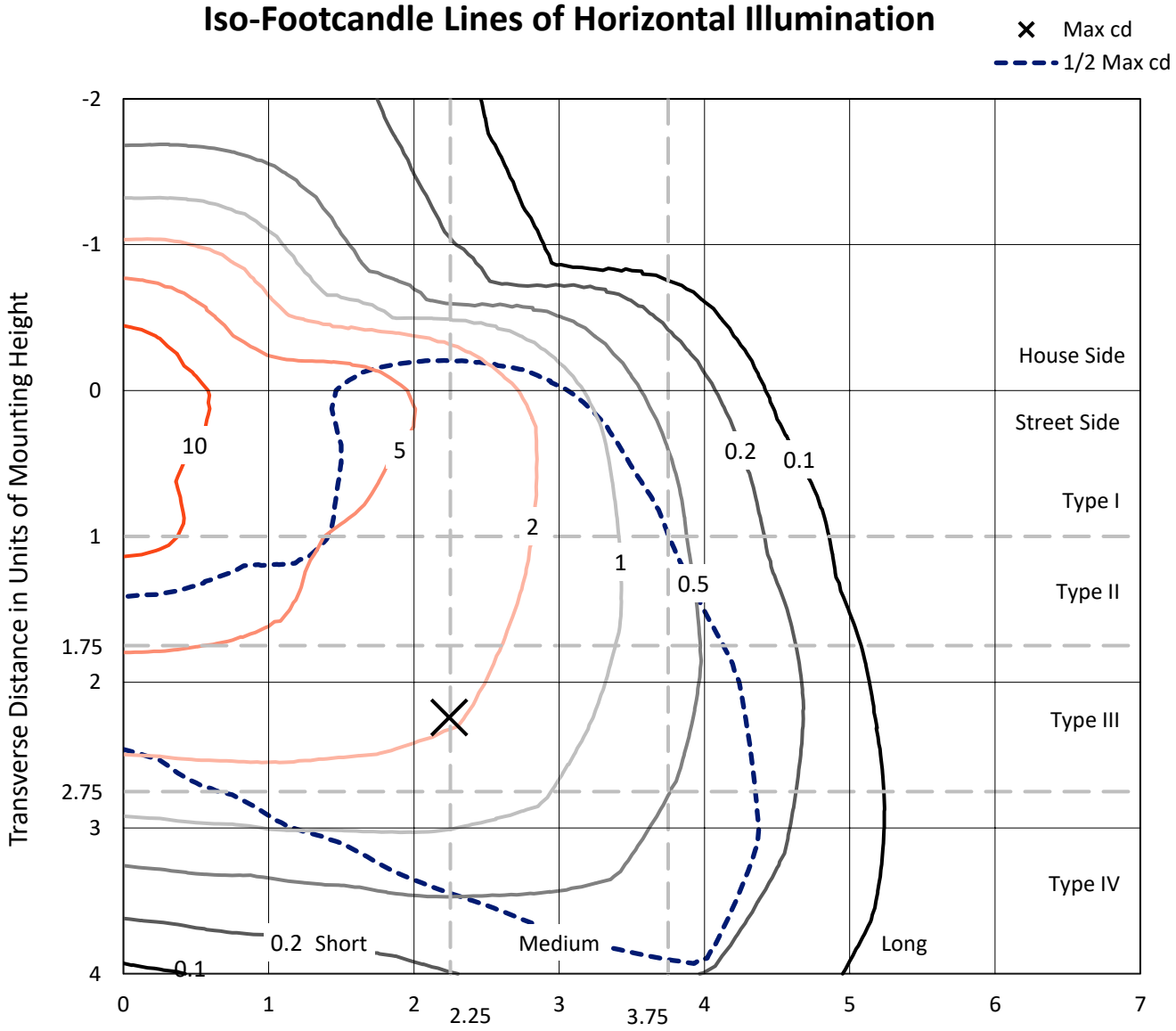


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## Iso-Footcandle Lines of Horizontal Illumination



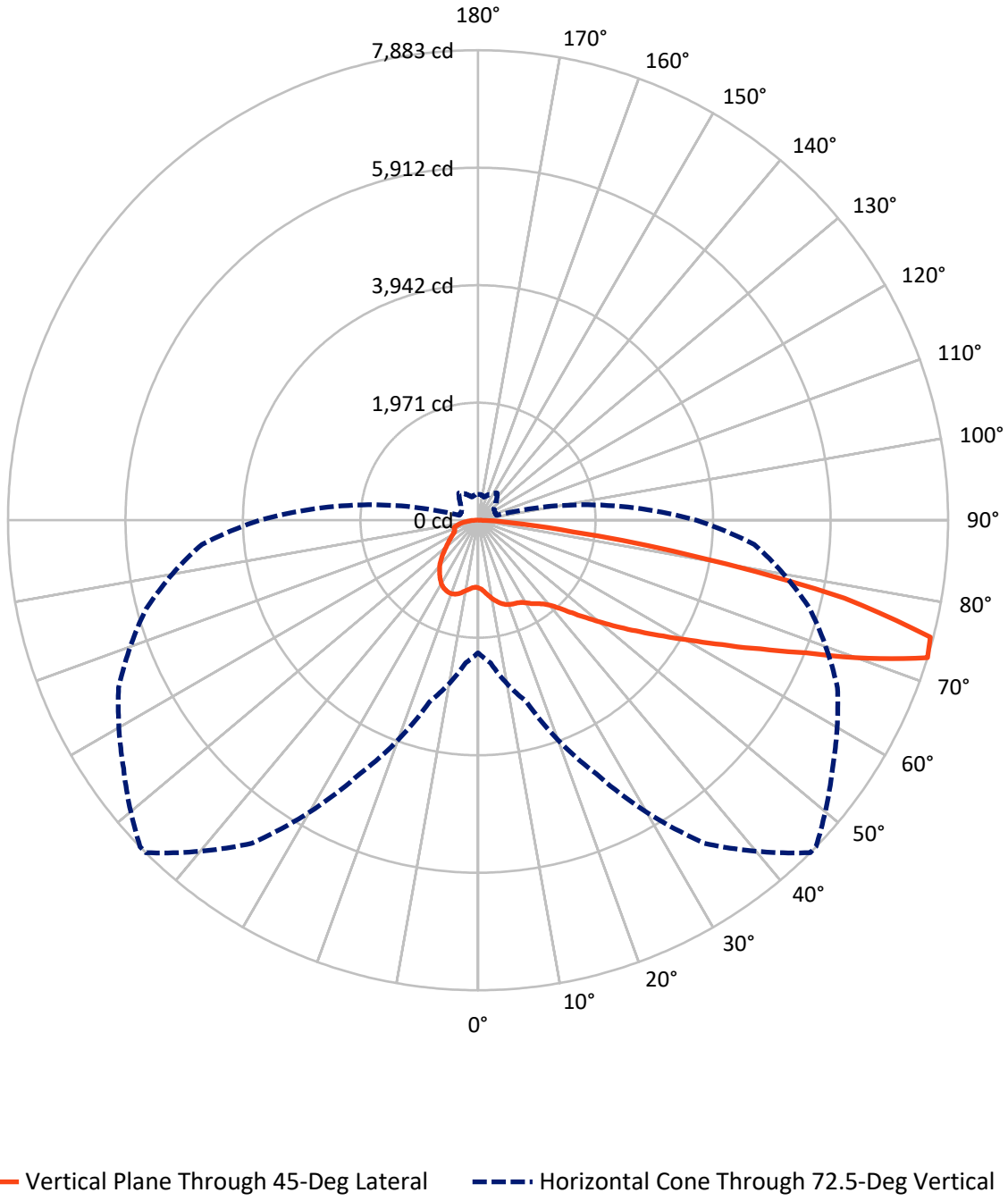

Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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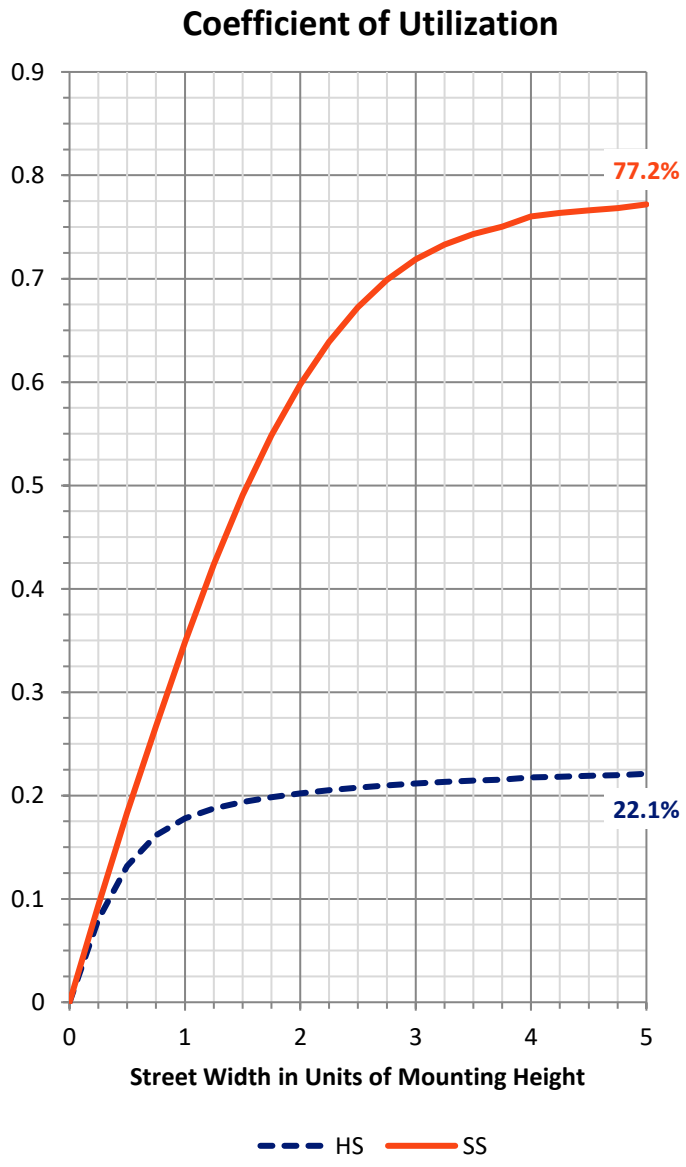
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 2540.3 | 0.0 | 2540.3 |
| | % Fixture | 22.6 | 0.0 | 22.6 |
| **Street Side** | Lumens | 8696.7 | 0.0 | 8696.7 |
| | % Fixture | 77.4 | 0.0 | 77.4 |
| **Total** | Lumens | 11237.0 | 0.0 | 11237.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 115.4 | 1.0 |
| 10°-20° | 384.7 | 3.4 |
| 20°-30° | 669.2 | 6.0 |
| 30°-40° | 959.3 | 8.5 |
| 40°-50° | 1350.8 | 12.0 |
| 50°-60° | 2069.0 | 18.4 |
| 60°-70° | 2997.2 | 26.7 |
| 70°-80° | 2393.4 | 21.3 |
| 80°-90° | 298.1 | 2.7 |
| 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° | 11237.0 | 100.0 |
| 0°-180° | 11237.0 | 100.0 |



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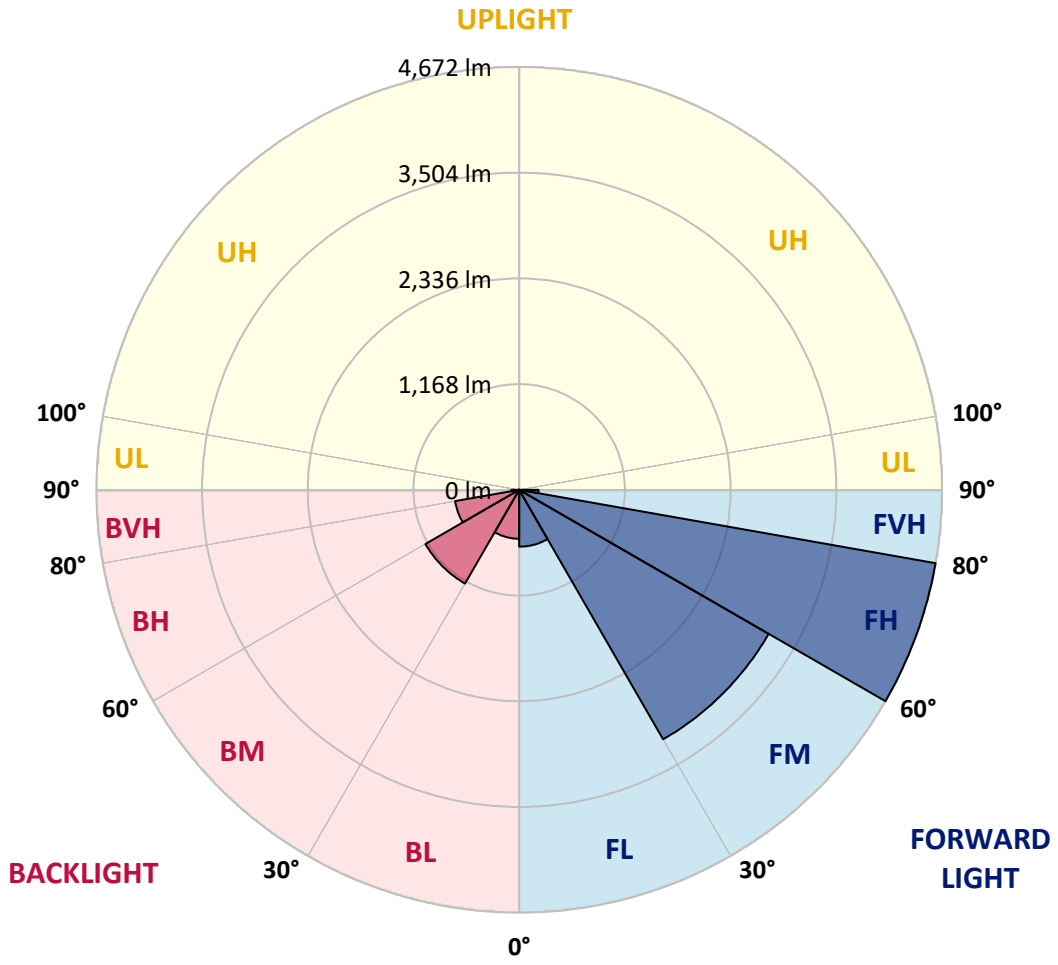
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 628.4 | 5.6 | | | |
| FM | (30°-60°) | 3182.9 | 28.3 | | | |
| FH | (60°-80°) | 4671.6 | 41.6 | | | G2/5000 |
| FVH | (80°-90°) | 213.9 | 1.9 | | | G2/225 |
| BL | (0°-30°) | 540.8 | 4.8 | B2/1000 | | |
| BM | (30°-60°) | 1196.1 | 10.6 | B2/2500 | | |
| BH | (60°-80°) | 719.1 | 6.4 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 84.2 | 0.7 | | | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | *1133.6* | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 |
| 2.5° | 1178.0 | 1185.7 | 1178.6 | 1172.1 | 1169.1 | *1161.4* | 1160.8 | 1156.1 | 1153.1 | 1144.8 | 1142.5 |
| 5° | 1260.3 | 1270.3 | 1258.5 | 1245.5 | 1233.6 | *1214.7* | 1212.3 | 1198.7 | 1183.3 | 1165.6 | 1155.5 |
| 7.5° | 1353.2 | 1362.1 | 1348.5 | 1328.9 | 1308.2 | *1276.8* | 1276.3 | 1251.4 | 1227.1 | 1196.9 | 1179.8 |
| 10° | 1434.3 | 1446.1 | 1427.8 | 1401.2 | 1375.1 | *1339.6* | 1335.5 | 1307.0 | 1276.3 | 1237.2 | 1211.1 |
| 12.5° | 1505.9 | 1514.2 | 1496.5 | 1463.9 | 1433.7 | *1398.2* | 1392.9 | 1361.5 | 1327.2 | 1282.8 | 1249.6 |
| 15° | 1562.8 | 1573.4 | 1549.7 | 1514.8 | 1482.8 | *1447.9* | 1443.2 | 1414.8 | 1380.4 | 1333.7 | 1291.1 |
| 17.5° | 1600.1 | 1608.9 | 1584.7 | 1545.6 | 1514.8 | *1485.8* | 1482.3 | 1458.6 | 1428.4 | 1381.0 | 1335.5 |
| 20° | 1614.3 | 1623.7 | 1598.3 | 1558.6 | 1530.2 | *1507.7* | 1505.9 | 1488.8 | 1468.0 | 1424.8 | 1378.7 |
| 22.5° | 1628.5 | 1637.3 | 1604.2 | 1562.8 | 1537.9 | *1523.7* | 1523.1 | 1511.9 | 1503.6 | 1468.0 | 1423.1 |
| 25° | 1685.9 | 1688.3 | 1643.9 | 1584.1 | 1548.6 | *1536.1* | 1535.5 | 1534.9 | 1538.5 | 1510.7 | 1471.0 |
| 27.5° | 1735.6 | 1735.0 | 1697.1 | 1640.9 | 1585.8 | *1559.8* | 1559.2 | 1565.1 | 1576.4 | 1553.3 | 1520.7 |
| 30° | 1808.4 | 1801.9 | 1756.9 | 1698.3 | 1648.0 | *1607.8* | 1604.2 | 1598.9 | 1607.8 | 1589.4 | 1570.5 |
| 32.5° | 1962.9 | 1942.2 | 1869.4 | 1765.2 | 1699.5 | *1668.7* | 1664.0 | 1630.8 | 1634.4 | 1623.1 | 1613.7 |
| 35° | 2184.3 | 2157.1 | 2060.0 | 1891.9 | 1763.4 | *1719.6* | 1717.3 | 1675.2 | 1668.1 | 1658.1 | 1661.6 |
| 37.5° | 2447.7 | 2414.0 | 2300.9 | 2075.4 | 1873.5 | *1778.8* | 1775.3 | 1737.4 | 1708.4 | 1697.7 | 1717.9 |
| 40° | 2712.3 | 2669.7 | 2576.2 | 2299.2 | 2035.7 | *1877.7* | 1866.4 | 1809.0 | 1775.9 | 1758.1 | 1800.7 |
| 42.5° | 2969.2 | 2933.7 | 2853.8 | 2550.1 | 2235.8 | *2022.1* | 1997.3 | 1899.0 | 1874.1 | 1857.6 | 1934.5 |
| 45° | 3196.6 | 3164.6 | 3106.0 | 2818.3 | 2470.2 | *2218.6* | 2194.4 | 2034.0 | 2026.3 | 2026.3 | 2137.6 |
| 47.5° | 3381.2 | 3374.1 | 3312.0 | 3091.8 | 2746.7 | *2442.4* | 2400.4 | 2221.6 | 2242.3 | 2274.3 | 2425.8 |
| 50° | 3586.1 | 3566.5 | 3500.2 | 3361.1 | 3071.7 | *2698.7* | 2664.4 | 2451.9 | 2529.4 | 2617.0 | 2842.6 |
| 52.5° | 3774.3 | 3785.0 | 3711.0 | 3641.7 | 3438.7 | *2984.6* | 2924.3 | 2723.6 | 2891.1 | 3036.1 | 3330.9 |
| 55° | 3967.9 | 3968.5 | 3947.8 | 3938.3 | 3823.4 | *3300.7* | 3234.4 | 3050.3 | 3316.7 | 3496.7 | 3900.4 |
| 57.5° | 4149.6 | 4150.8 | 4181.6 | 4265.0 | 4269.8 | *3665.4* | 3590.2 | 3451.7 | 3789.7 | 3973.2 | 4487.6 |
| 60° | 4311.8 | 4320.1 | 4404.1 | 4599.5 | 4662.2 | *4083.3* | 4012.3 | 3925.8 | 4278.7 | 4463.3 | 5105.0 |
| 62.5° | 4366.3 | 4396.5 | 4583.5 | 4861.1 | 5050.0 | *4595.9* | 4526.1 | 4474.6 | 4792.5 | 4964.1 | 5621.2 |
| 65° | 4273.9 | 4343.2 | 4704.9 | 5077.2 | 5448.9 | *5205.1* | 5135.8 | 5079.6 | 5326.4 | 5488.0 | 6045.0 |
| 67.5° | 4047.2 | 4136.6 | 4697.8 | 5303.9 | 5933.2 | *5937.9* | 5873.4 | 5741.4 | 5898.8 | 5961.0 | 6183.0 |
| 70° | 3449.9 | 3583.7 | 4284.0 | 5388.6 | 6489.0 | *6940.1* | 6877.9 | 6538.1 | 6470.1 | 6169.4 | 5794.7 |
| 72.5° | *2222.8* | *2402.7* | *3154.5* | *4691.8* | *6612.7* | *7883.1* | *7879.5* | *7257.4* | *6650.6* | *5764.5* | *4647.4* |
| 75° | 811.0 | 921.1 | 1465.7 | 2945.0 | 5550.8 | *7835.1* | 7858.2 | 7134.2 | 6071.1 | 4452.7 | 2895.3 |
| 77.5° | 295.4 | 323.2 | 478.3 | 1131.8 | 3413.8 | *6286.6* | 6334.5 | 5703.5 | 4321.3 | 2234.6 | 1147.2 |
| 80° | 155.1 | 170.5 | 245.1 | 439.2 | 1462.7 | *3733.5* | 3808.6 | 3389.5 | 2031.0 | 673.1 | 343.9 |
| 82.5° | 85.8 | 92.9 | 137.3 | 238.6 | 658.8 | *1596.5* | 1641.5 | 1339.0 | 714.5 | 285.3 | 142.1 |
| 85° | 46.2 | 49.1 | 64.5 | 130.2 | 322.0 | *553.5* | 565.9 | 400.2 | 284.7 | 167.5 | 68.7 |
| 87.5° | 13.6 | 16.6 | 21.3 | 41.4 | 126.1 | *124.3* | 127.3 | 79.3 | 112.5 | 84.6 | 22.5 |
| 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° | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 | 1133.6 |
| 2.5° | 1138.9 | 1137.1 | 1130.6 | 1127.7 | 1124.1 | 1123.5 | 1126.5 | 1127.1 | 1127.7 | 1128.3 | 1130.6 |
| 5° | 1149.6 | 1143.7 | 1137.7 | 1134.2 | 1135.4 | 1136.0 | 1141.9 | 1146.0 | 1149.0 | 1151.4 | 1152.5 |
| 7.5° | 1170.3 | 1165.6 | 1155.5 | 1154.9 | 1156.7 | 1162.0 | 1169.7 | 1179.2 | 1184.5 | 1188.6 | 1189.8 |
| 10° | 1201.1 | 1192.2 | 1180.4 | 1182.1 | 1185.7 | 1193.4 | 1209.4 | 1217.1 | 1225.9 | 1233.6 | 1231.9 |
| 12.5° | 1232.5 | 1224.8 | 1211.1 | 1212.3 | 1218.2 | 1231.9 | 1247.3 | 1256.7 | 1262.6 | 1268.6 | 1270.9 |
| 15° | 1273.3 | 1259.7 | 1244.9 | 1244.9 | 1255.5 | 1270.3 | 1277.4 | 1285.1 | 1288.7 | 1295.2 | 1297.6 |
| 17.5° | 1315.3 | 1297.6 | 1278.0 | 1276.8 | 1289.9 | 1297.0 | 1301.1 | 1302.3 | 1303.5 | 1310.6 | 1313.0 |
| 20° | 1357.4 | 1337.8 | 1310.0 | 1307.6 | 1310.6 | 1309.4 | 1308.8 | 1307.6 | 1309.4 | 1318.3 | 1321.8 |
| 22.5° | 1398.8 | 1376.3 | 1337.8 | 1327.2 | 1318.9 | 1307.6 | 1307.0 | 1306.4 | 1307.6 | 1316.5 | 1322.4 |
| 25° | 1447.3 | 1420.1 | 1368.6 | 1336.6 | 1308.8 | 1293.4 | 1295.2 | 1295.8 | 1297.0 | 1304.1 | 1313.5 |
| 27.5° | 1500.0 | 1469.8 | 1397.0 | 1333.7 | 1283.4 | 1272.7 | 1269.7 | 1271.5 | 1275.7 | 1286.9 | 1298.2 |
| 30° | 1552.7 | 1517.2 | 1423.1 | 1321.8 | 1251.4 | 1236.6 | 1227.1 | 1231.3 | 1244.3 | 1255.5 | 1268.0 |
| 32.5° | 1600.6 | 1565.1 | 1443.8 | 1295.8 | 1210.5 | 1187.5 | 1175.0 | 1180.4 | 1193.4 | 1197.5 | 1212.3 |
| 35° | 1656.9 | 1616.6 | 1452.7 | 1254.4 | 1166.2 | 1130.6 | 1114.1 | 1106.4 | 1112.9 | 1108.7 | 1121.8 |
| 37.5° | 1719.6 | 1677.6 | 1451.5 | 1199.9 | 1114.1 | 1073.2 | 1050.1 | 1021.1 | 1007.5 | 993.3 | 1002.2 |
| 40° | 1812.6 | 1752.2 | 1437.3 | 1134.2 | 1049.5 | 1012.2 | 970.8 | 921.7 | 890.9 | 863.1 | 864.8 |
| 42.5° | 1939.2 | 1855.8 | 1411.2 | 1062.0 | 976.7 | 941.8 | 885.6 | 828.1 | 779.6 | 733.4 | 729.3 |
| 45° | 2128.1 | 1991.3 | 1378.7 | 985.0 | 898.0 | 863.7 | 802.7 | 738.2 | 683.1 | 623.9 | 616.8 |
| 47.5° | 2400.4 | 2173.7 | 1347.9 | 897.4 | 815.1 | 783.7 | 728.7 | 668.9 | 603.8 | 546.4 | 539.9 |
| 50° | 2774.5 | 2435.3 | 1319.5 | 812.2 | 733.4 | 709.8 | 665.9 | 605.0 | 539.3 | 493.1 | 490.1 |
| 52.5° | 3250.4 | 2791.1 | 1307.6 | 729.9 | 657.1 | 648.2 | 613.3 | 556.4 | 494.3 | 455.2 | 452.3 |
| 55° | 3796.8 | 3216.7 | 1307.6 | 651.2 | 590.2 | 593.1 | 568.9 | 516.2 | 462.3 | 427.4 | 423.8 |
| 57.5° | 4354.4 | 3647.6 | 1284.0 | 578.3 | 533.4 | 545.8 | 530.4 | 484.2 | 435.7 | 399.6 | 393.7 |
| 60° | 4868.2 | 4008.7 | 1188.1 | 512.0 | 483.0 | 502.6 | 492.5 | 452.8 | 393.7 | 363.5 | 358.7 |
| 62.5° | 5263.1 | 4212.4 | 1003.4 | 459.4 | 441.6 | 464.1 | 458.8 | 411.4 | 386.0 | 373.5 | 369.4 |
| 65° | 5460.8 | 4179.2 | 767.2 | 412.6 | 406.7 | 441.6 | 430.4 | 428.6 | 408.4 | 394.2 | 389.5 |
| 67.5° | 5339.4 | 3893.9 | 556.4 | 378.3 | 386.5 | 420.9 | 464.1 | 471.2 | 433.9 | 406.1 | 401.3 |
| 70° | 4807.3 | 3377.7 | 414.4 | 345.7 | 361.1 | 421.5 | 529.2 | 493.1 | 425.6 | 393.1 | 387.7 |
| 72.5° | *3657.1* | *2518.8* | *321.4* | *311.4* | *327.9* | *424.4* | *558.2* | *483.0* | *401.9* | *434.5* | *430.9* |
| 75° | 2091.4 | 1382.8 | 258.1 | 269.3 | 286.5 | 396.6 | 543.4 | 457.0 | 383.6 | 399.0 | 399.0 |
| 77.5° | 797.4 | 531.6 | 213.1 | 227.9 | 230.3 | 346.3 | 519.7 | 455.2 | 365.2 | 356.4 | 325.0 |
| 80° | 276.4 | 207.8 | 176.4 | 181.1 | 178.2 | 307.8 | 498.4 | 396.0 | 298.9 | 267.6 | 258.7 |
| 82.5° | 113.1 | 103.6 | 139.7 | 133.8 | 126.7 | 239.1 | 402.5 | 323.8 | 244.5 | 216.1 | 213.7 |
| 85° | 49.1 | 65.7 | 92.3 | 81.1 | 73.4 | 165.7 | 322.6 | 274.1 | 206.6 | 178.2 | 177.6 |
| 87.5° | 10.1 | 24.9 | 39.1 | 36.7 | 37.9 | 110.7 | 229.1 | 194.8 | 146.2 | 109.5 | 85.8 |
| 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)