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: P1198411

Luminaire Tested: GPC-SB1C-827-U-SLL

Issue Date: 10/30/2025

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1198411 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/15/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GPC-SB1C-827-U-SLL |
| Description: | GALLEON PEDESTRIAN LUMINAIRE |
| | (1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT ELIMINATOR LEFT OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6523 lumens |
| Efficiency: | N/A |
| Efficacy: | 119.9 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

| | |
|---|---|
| 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 |

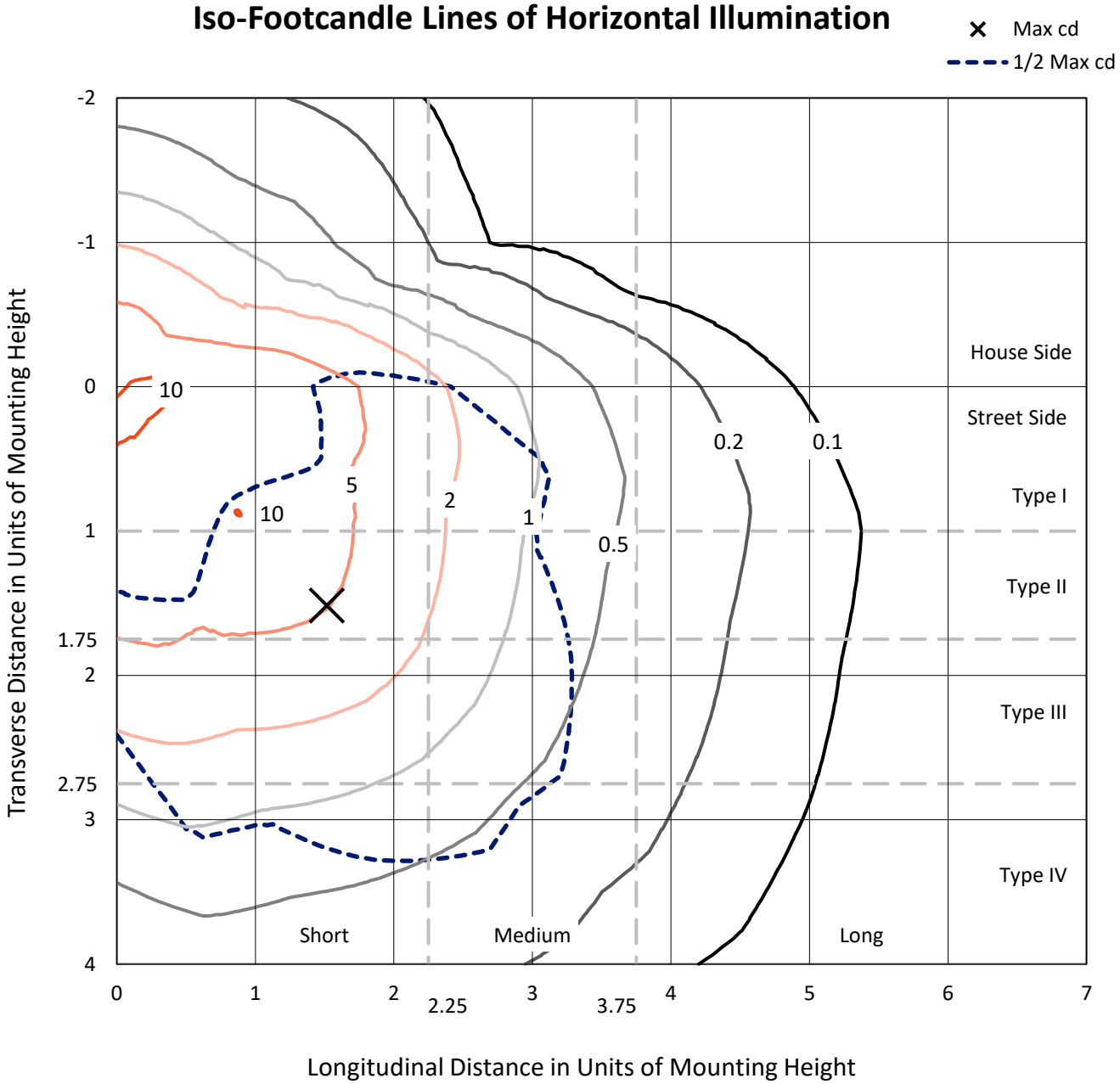


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## Iso-Footcandle Lines of Horizontal Illumination



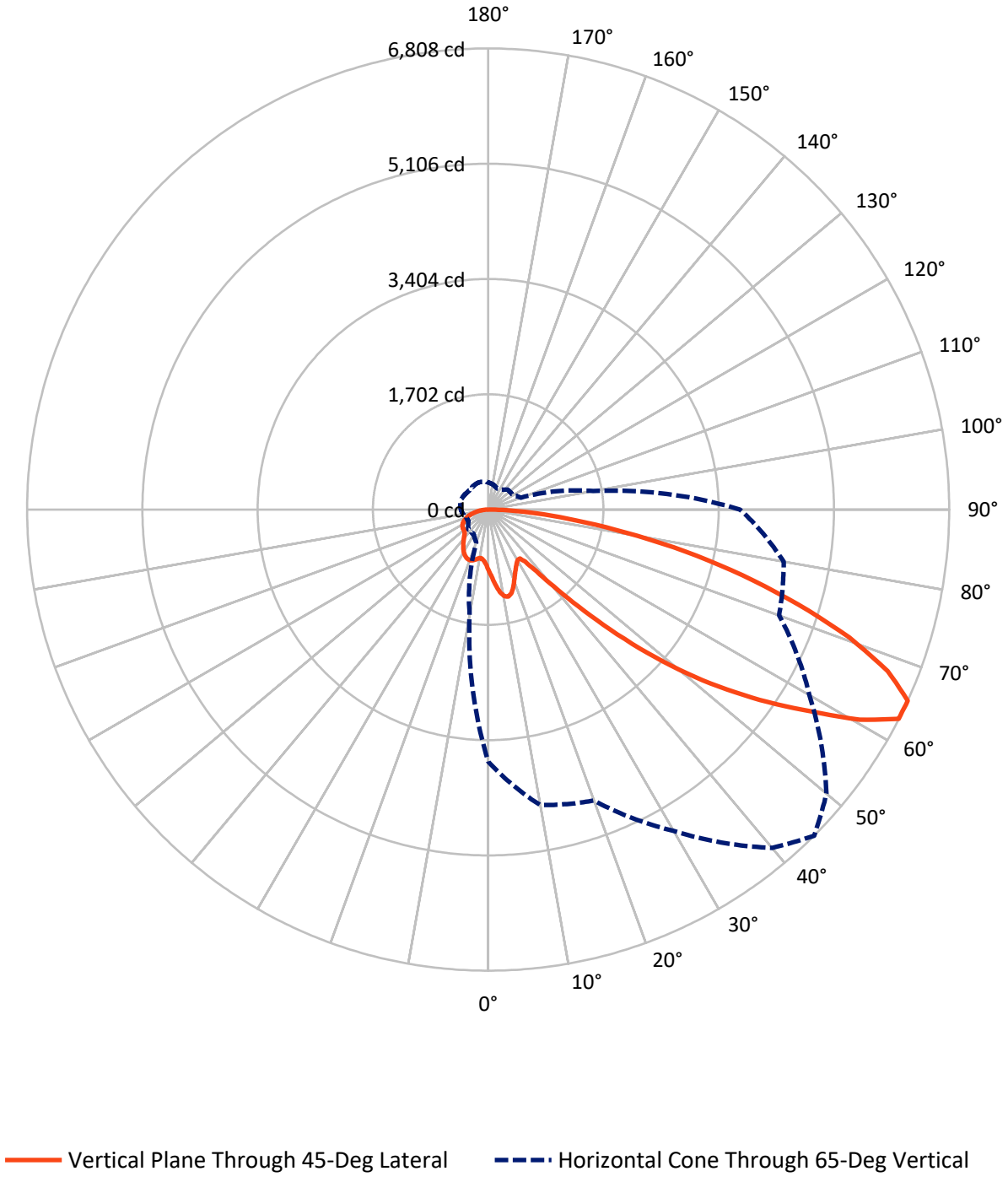

Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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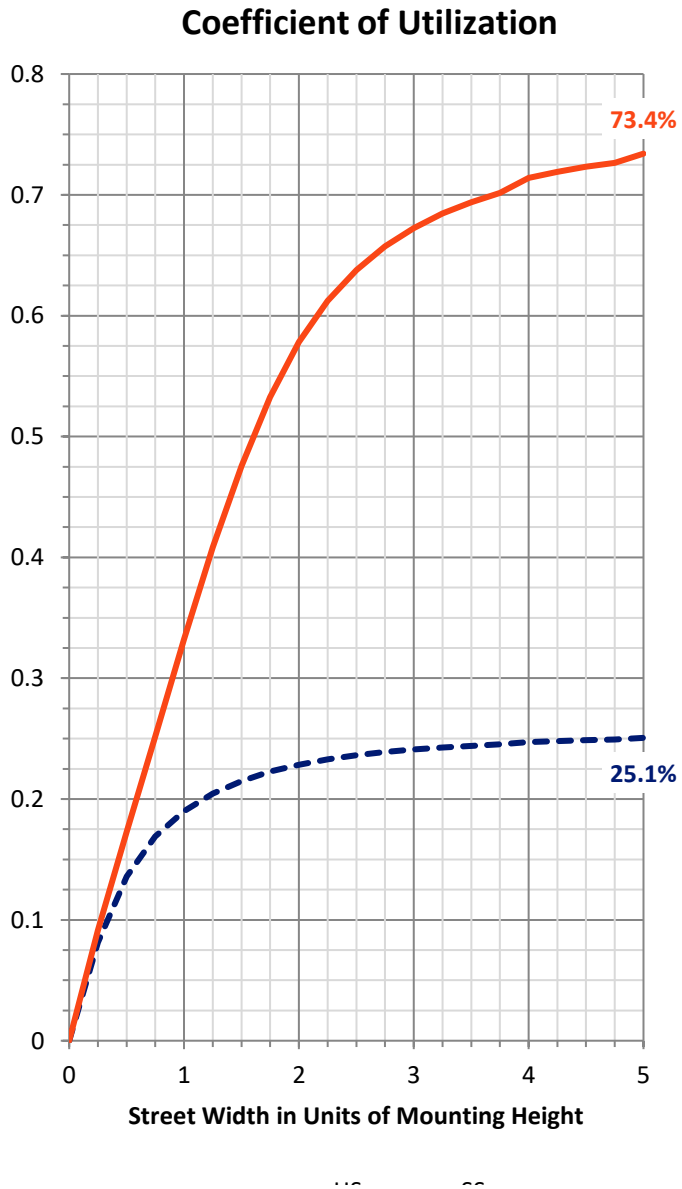
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1657.8 | 0.0 | 1657.8 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| **Street Side** | Lumens | 4865.2 | 0.0 | 4865.2 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| **Total** | Lumens | 6523.0 | 0.0 | 6523.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 89.0 | 1.4 |
| 10°-20° | 279.3 | 4.3 |
| 20°-30° | 431.5 | 6.6 |
| 30°-40° | 546.8 | 8.4 |
| 40°-50° | 824.7 | 12.6 |
| 50°-60° | 1332.4 | 20.4 |
| 60°-70° | 1661.0 | 25.5 |
| 70°-80° | 1089.2 | 16.7 |
| 80°-90° | 269.3 | 4.1 |
| 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° | 6523.0 | 100.0 |
| 0°-180° | 6523.0 | 100.0 |



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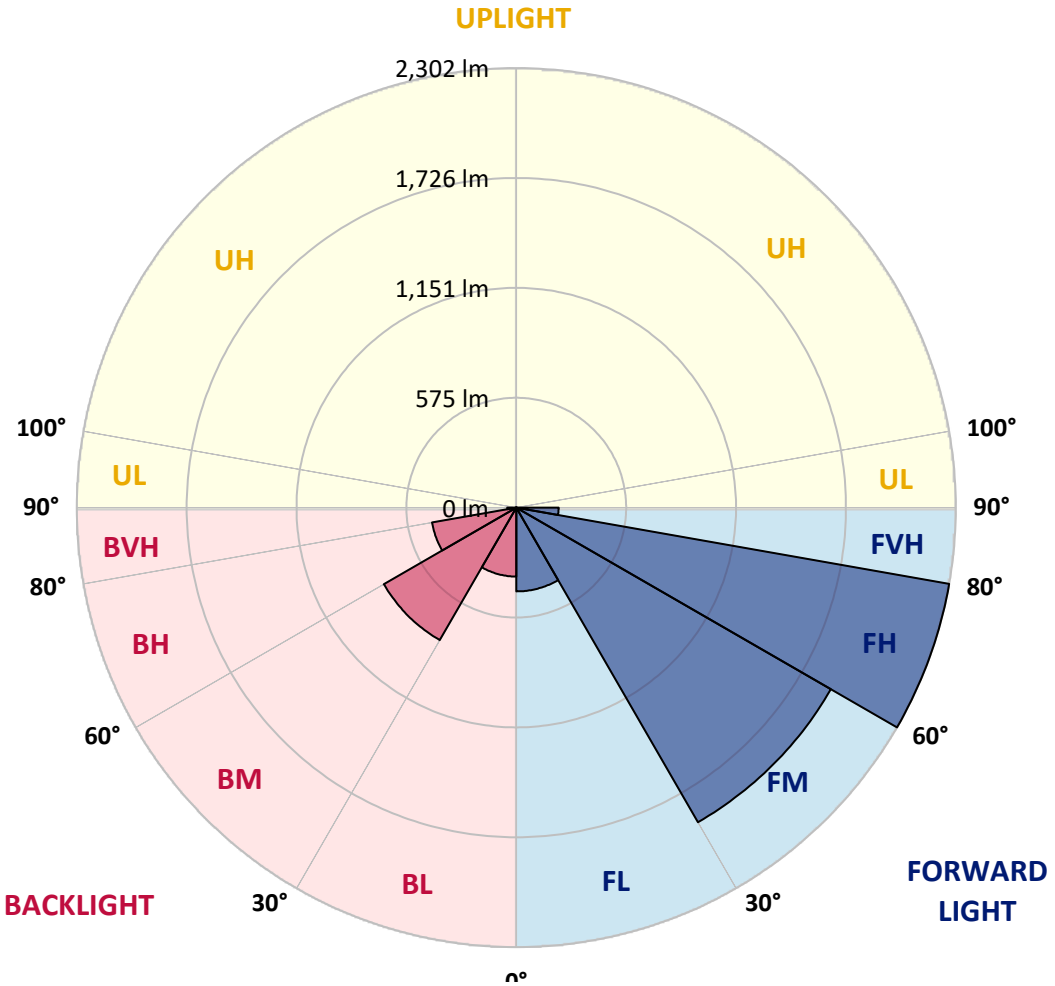
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 438.7 | 6.7 | | | |
| FM | (30°-60°) | 1902.6 | 29.2 | | | |
| FH | (60°-80°) | 2302.0 | 35.3 | | | G2/5000 |
| FVH | (80°-90°) | 221.8 | 3.4 | | | G2/225 |
| BL | (0°-30°) | 361.0 | 5.5 | B1/500 | | |
| BM | (30°-60°) | 801.2 | 12.3 | B1/1000 | | |
| BH | (60°-80°) | 448.2 | 6.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 47.5 | 0.7 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B1-U0-G2**
Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | *897.0* | 897.0 |
| 2.5° | 964.6 | 968.3 | 971.9 | 977.1 | 982.3 | 985.4 | 988.5 | 990.1 | 991.6 | *990.9* | 991.6 |
| 5° | 1037.2 | 1050.0 | 1062.8 | 1075.5 | 1088.2 | 1095.1 | 1101.9 | 1106.1 | 1110.3 | *1113.5* | 1110.3 |
| 7.5° | 1110.2 | 1131.0 | 1151.7 | 1170.4 | 1189.1 | 1200.4 | 1211.6 | 1217.7 | 1223.8 | *1226.7* | 1223.8 |
| 10° | 1166.1 | 1190.7 | 1215.3 | 1237.2 | 1259.1 | 1272.4 | 1285.6 | 1291.6 | 1297.4 | *1299.7* | 1297.4 |
| 12.5° | 1200.4 | 1227.0 | 1253.6 | 1273.4 | 1293.2 | 1302.8 | 1312.5 | 1315.7 | 1319.0 | *1319.3* | 1319.0 |
| 15° | 1221.2 | 1244.2 | 1267.1 | 1279.6 | 1292.0 | 1292.4 | 1292.7 | 1289.3 | 1285.8 | *1281.8* | 1285.8 |
| 17.5° | 1232.9 | 1248.4 | 1263.9 | 1264.2 | 1264.4 | 1250.5 | 1236.5 | 1223.7 | 1210.9 | *1201.9* | 1210.9 |
| 20° | 1245.8 | 1251.2 | 1256.7 | 1240.3 | 1224.0 | 1193.2 | 1162.4 | 1140.0 | 1117.6 | *1103.8* | 1117.6 |
| 22.5° | 1260.8 | 1253.7 | 1246.6 | 1212.7 | 1178.9 | 1133.6 | 1088.3 | 1060.3 | 1032.3 | *1017.1* | 1032.3 |
| 25° | 1280.1 | 1257.7 | 1235.3 | 1183.9 | 1132.5 | 1077.5 | 1022.5 | 993.1 | 963.7 | *949.3* | 963.7 |
| 27.5° | 1306.2 | 1266.2 | 1226.2 | 1158.1 | 1090.0 | 1029.1 | 968.1 | 939.2 | 910.2 | *896.6* | 910.2 |
| 30° | 1341.5 | 1281.8 | 1222.2 | 1138.4 | 1054.5 | 991.1 | 927.6 | 900.7 | 873.8 | *861.2* | 873.8 |
| 32.5° | 1383.1 | 1301.5 | 1219.8 | 1125.0 | 1030.1 | 970.5 | 910.8 | 889.7 | 868.6 | *859.5* | 868.6 |
| 35° | 1433.7 | 1333.8 | 1233.9 | 1135.0 | 1036.2 | 994.8 | 953.3 | 948.4 | 943.5 | *942.7* | 943.5 |
| 37.5° | 1518.9 | 1401.4 | 1283.8 | 1193.9 | 1104.1 | 1101.4 | 1098.7 | 1121.2 | 1143.8 | *1155.5* | 1143.8 |
| 40° | 1647.7 | 1519.8 | 1391.9 | 1325.1 | 1258.3 | 1305.5 | 1352.6 | 1407.3 | 1462.1 | *1489.3* | 1462.1 |
| 42.5° | 1818.4 | 1691.5 | 1564.6 | 1526.2 | 1487.7 | 1590.5 | 1693.4 | 1792.9 | 1892.4 | *1950.9* | 1892.4 |
| 45° | 2029.2 | 1915.2 | 1801.2 | 1784.3 | 1767.3 | 1932.0 | 2096.8 | 2260.4 | 2424.0 | *2523.3* | 2424.0 |
| 47.5° | 2292.8 | 2182.0 | 2071.1 | 2067.6 | 2064.2 | 2301.9 | 2539.5 | 2779.0 | 3018.4 | *3159.0* | 3018.4 |
| 50° | 2638.4 | 2501.5 | 2364.5 | 2365.1 | 2365.7 | 2672.0 | 2978.4 | 3294.4 | 3610.5 | *3801.6* | 3610.5 |
| 52.5° | 3035.1 | 2869.3 | 2703.5 | 2686.7 | 2669.9 | 3035.8 | 3401.7 | 3792.8 | 4183.8 | *4412.9* | 4183.8 |
| 55° | 3457.4 | 3293.6 | 3129.8 | 3064.4 | 2999.0 | 3406.3 | 3813.5 | 4279.7 | 4745.9 | *5018.3* | 4745.9 |
| 57.5° | 3841.5 | 3752.3 | 3663.1 | 3532.0 | 3400.9 | 3812.1 | 4223.3 | 4751.4 | 5279.4 | *5617.2* | 5279.4 |
| 60° | 4073.7 | 4212.3 | 4350.9 | 4188.1 | 4025.3 | 4414.4 | 4803.6 | 5368.9 | 5934.3 | *6299.4* | 5934.3 |
| 62.5° | 3955.8 | 4334.5 | 4713.1 | 4694.8 | 4676.4 | 5032.9 | 5389.4 | 5927.3 | 6465.2 | *6802.6* | 6465.2 |
| 65° | *3719.9* | *4075.3* | *4430.6* | *4501.0* | *4571.2* | *5024.3* | *5477.3* | *5998.9* | *6520.5* | *6807.8* | *6520.5* |
| 67.5° | 3403.7 | 3741.7 | 4079.7 | 4112.7 | 4145.6 | 4617.7 | 5089.7 | 5613.5 | 6137.3 | *6362.4* | 6137.3 |
| 70° | 3023.9 | 3391.5 | 3759.2 | 3773.9 | 3788.7 | 4210.8 | 4632.9 | 5083.7 | 5534.5 | *5659.6* | 5534.5 |
| 72.5° | 2571.3 | 2993.2 | 3415.1 | 3425.7 | 3436.3 | 3766.5 | 4096.8 | 4434.4 | 4772.0 | *4784.6* | 4772.0 |
| 75° | 1998.7 | 2435.4 | 2872.0 | 2911.2 | 2950.4 | 3207.4 | 3464.3 | 3702.0 | 3939.6 | *3876.0* | 3939.6 |
| 77.5° | 1428.1 | 1835.7 | 2243.3 | 2299.4 | 2355.5 | 2550.8 | 2746.1 | 2914.7 | 3083.3 | *2973.8* | 3083.3 |
| 80° | 934.7 | 1277.6 | 1620.5 | 1690.2 | 1759.9 | 1907.5 | 2054.9 | 2143.4 | 2231.9 | *2055.9* | 2231.9 |
| 82.5° | 543.3 | 777.7 | 1012.2 | 1090.1 | 1168.0 | 1269.6 | 1371.1 | 1408.0 | 1444.9 | *1306.6* | 1444.9 |
| 85° | 239.0 | 363.5 | 487.9 | 554.2 | 620.4 | 703.8 | 787.2 | 808.2 | 829.2 | *718.3* | 829.2 |
| 87.5° | 74.0 | 115.8 | 157.6 | 194.6 | 231.6 | 273.3 | 315.0 | 316.8 | 318.6 | *267.4* | 318.6 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 |
| 2.5° | 990.1 | 988.5 | 985.4 | 982.3 | 977.1 | 971.9 | 968.3 | 964.6 | 957.2 | 949.8 | 941.9 |
| 5° | 1106.1 | 1101.9 | 1095.1 | 1088.2 | 1075.5 | 1062.8 | 1050.0 | 1037.2 | 1020.9 | 1004.5 | 988.2 |
| 7.5° | 1217.7 | 1211.6 | 1200.4 | 1189.1 | 1170.4 | 1151.7 | 1131.0 | 1110.2 | 1083.2 | 1056.3 | 1031.3 |
| 10° | 1291.6 | 1285.6 | 1272.4 | 1259.1 | 1237.2 | 1215.3 | 1190.7 | 1166.1 | 1132.0 | 1097.9 | 1065.0 |
| 12.5° | 1315.7 | 1312.5 | 1302.8 | 1293.2 | 1273.4 | 1253.6 | 1227.0 | 1200.4 | 1162.9 | 1125.4 | 1088.1 |
| 15° | 1289.3 | 1292.7 | 1292.4 | 1292.0 | 1279.6 | 1267.1 | 1244.2 | 1221.2 | 1182.1 | 1143.1 | 1102.6 |
| 17.5° | 1223.7 | 1236.5 | 1250.5 | 1264.4 | 1264.2 | 1263.9 | 1248.4 | 1232.9 | 1193.3 | 1153.7 | 1109.5 |
| 20° | 1140.0 | 1162.4 | 1193.2 | 1224.0 | 1240.3 | 1256.7 | 1251.2 | 1245.8 | 1204.6 | 1163.4 | 1114.9 |
| 22.5° | 1060.3 | 1088.3 | 1133.6 | 1178.9 | 1212.7 | 1246.6 | 1253.7 | 1260.8 | 1218.7 | 1176.6 | 1122.2 |
| 25° | 993.1 | 1022.5 | 1077.5 | 1132.5 | 1183.9 | 1235.3 | 1257.7 | 1280.1 | 1238.8 | 1197.6 | 1135.4 |
| 27.5° | 939.2 | 968.1 | 1029.1 | 1090.0 | 1158.1 | 1226.2 | 1266.2 | 1306.2 | 1266.9 | 1227.6 | 1156.1 |
| 30° | 900.7 | 927.6 | 991.1 | 1054.5 | 1138.4 | 1222.2 | 1281.8 | 1341.5 | 1303.5 | 1265.5 | 1182.8 |
| 32.5° | 889.7 | 910.8 | 970.5 | 1030.1 | 1125.0 | 1219.8 | 1301.5 | 1383.1 | 1345.5 | 1307.9 | 1210.7 |
| 35° | 948.4 | 953.3 | 994.8 | 1036.2 | 1135.0 | 1233.9 | 1333.8 | 1433.7 | 1397.7 | 1361.7 | 1242.5 |
| 37.5° | 1121.2 | 1098.7 | 1101.4 | 1104.1 | 1193.9 | 1283.8 | 1401.4 | 1518.9 | 1473.0 | 1427.1 | 1278.2 |
| 40° | 1407.3 | 1352.6 | 1305.5 | 1258.3 | 1325.1 | 1391.9 | 1519.8 | 1647.7 | 1580.7 | 1513.8 | 1323.4 |
| 42.5° | 1792.9 | 1693.4 | 1590.5 | 1487.7 | 1526.2 | 1564.6 | 1691.5 | 1818.4 | 1721.8 | 1625.2 | 1382.6 |
| 45° | 2260.4 | 2096.8 | 1932.0 | 1767.3 | 1784.3 | 1801.2 | 1915.2 | 2029.2 | 1898.9 | 1768.6 | 1460.4 |
| 47.5° | 2779.0 | 2539.5 | 2301.9 | 2064.2 | 2067.6 | 2071.1 | 2182.0 | 2292.8 | 2109.5 | 1926.1 | 1543.4 |
| 50° | 3294.4 | 2978.4 | 2672.0 | 2365.7 | 2365.1 | 2364.5 | 2501.5 | 2638.4 | 2362.0 | 2085.5 | 1620.3 |
| 52.5° | 3792.8 | 3401.7 | 3035.8 | 2669.9 | 2686.7 | 2703.5 | 2869.3 | 3035.1 | 2627.2 | 2219.4 | 1670.3 |
| 55° | 4279.7 | 3813.5 | 3406.3 | 2999.0 | 3064.4 | 3129.8 | 3293.6 | 3457.4 | 2862.4 | 2267.4 | 1659.3 |
| 57.5° | 4751.4 | 4223.3 | 3812.1 | 3400.9 | 3532.0 | 3663.1 | 3752.3 | 3841.5 | 3029.0 | 2216.5 | 1581.8 |
| 60° | 5368.9 | 4803.6 | 4414.4 | 4025.3 | 4188.1 | 4350.9 | 4212.3 | 4073.7 | 3070.7 | 2067.6 | 1437.5 |
| 62.5° | 5927.3 | 5389.4 | 5032.9 | 4676.4 | 4694.8 | 4713.1 | 4334.5 | 3955.8 | 2895.3 | 1834.8 | 1242.5 |
| 65° | *5998.9* | *5477.3* | *5024.3* | *4571.2* | *4501.0* | *4430.6* | *4075.3* | *3719.9* | *2647.2* | *1574.5* | *1043.5* |
| 67.5° | 5613.5 | 5089.7 | 4617.7 | 4145.6 | 4112.7 | 4079.7 | 3741.7 | 3403.7 | 2351.9 | 1300.1 | 848.5 |
| 70° | 5083.7 | 4632.9 | 4210.8 | 3788.7 | 3773.9 | 3759.2 | 3391.5 | 3023.9 | 2029.7 | 1035.5 | 668.1 |
| 72.5° | 4434.4 | 4096.8 | 3766.5 | 3436.3 | 3425.7 | 3415.1 | 2993.2 | 2571.3 | 1680.4 | 789.6 | 510.7 |
| 75° | 3702.0 | 3464.3 | 3207.4 | 2950.4 | 2911.2 | 2872.0 | 2435.4 | 1998.7 | 1280.0 | 561.3 | 370.7 |
| 77.5° | 2914.7 | 2746.1 | 2550.8 | 2355.5 | 2299.4 | 2243.3 | 1835.7 | 1428.1 | 895.9 | 363.7 | 251.2 |
| 80° | 2143.4 | 2054.9 | 1907.5 | 1759.9 | 1690.2 | 1620.5 | 1277.6 | 934.7 | 577.2 | 219.8 | 161.8 |
| 82.5° | 1408.0 | 1371.1 | 1269.6 | 1168.0 | 1090.1 | 1012.2 | 777.7 | 543.3 | 334.1 | 124.9 | 99.5 |
| 85° | 808.2 | 787.2 | 703.8 | 620.4 | 554.2 | 487.9 | 363.5 | 239.0 | 150.3 | 61.5 | 53.2 |
| 87.5° | 316.8 | 315.0 | 273.3 | 231.6 | 194.6 | 157.6 | 115.8 | 74.0 | 49.2 | 24.4 | 22.1 |
| 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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CATALOG NUMBER: GPC-SB1C-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 |
| 2.5° | 934.1 | 926.2 | 918.2 | 910.7 | 903.1 | 895.8 | 887.6 | 881.0 | 874.4 | 868.5 | 862.5 |
| 5° | 971.9 | 955.5 | 939.1 | 923.8 | 908.5 | 894.0 | 879.8 | 867.3 | 854.8 | 844.3 | 833.9 |
| 7.5° | 1006.4 | 982.2 | 957.9 | 936.5 | 915.1 | 895.4 | 876.9 | 860.3 | 843.8 | 830.0 | 816.3 |
| 10° | 1032.1 | 1002.6 | 973.1 | 947.8 | 922.5 | 898.2 | 878.3 | 860.8 | 843.3 | 829.6 | 815.8 |
| 12.5° | 1050.8 | 1016.1 | 981.3 | 952.7 | 924.1 | 898.5 | 880.0 | 865.7 | 851.5 | 842.3 | 833.2 |
| 15° | 1062.1 | 1022.1 | 982.1 | 948.9 | 915.8 | 887.5 | 872.7 | 865.9 | 859.0 | 860.3 | 861.5 |
| 17.5° | 1065.3 | 1018.9 | 972.4 | 932.6 | 892.8 | 859.5 | 850.3 | 852.8 | 855.3 | 870.3 | 885.3 |
| 20° | 1066.4 | 1010.1 | 953.8 | 904.4 | 855.0 | 816.3 | 813.8 | 825.5 | 837.3 | 863.3 | 889.4 |
| 22.5° | 1067.8 | 999.3 | 930.8 | 871.3 | 811.9 | 767.7 | 772.4 | 789.8 | 807.1 | 836.8 | 866.6 |
| 25° | 1073.2 | 988.6 | 904.0 | 834.4 | 764.8 | 719.5 | 732.3 | 752.2 | 772.2 | 798.9 | 825.7 |
| 27.5° | 1084.6 | 981.5 | 878.4 | 800.6 | 722.9 | 681.7 | 697.2 | 716.4 | 735.7 | 757.7 | 779.7 |
| 30° | 1100.1 | 978.1 | 856.1 | 772.4 | 688.7 | 654.1 | 666.3 | 681.6 | 696.9 | 715.2 | 733.4 |
| 32.5° | 1113.5 | 974.0 | 834.4 | 748.1 | 661.7 | 633.8 | 639.2 | 648.3 | 657.3 | 671.9 | 686.5 |
| 35° | 1123.4 | 966.2 | 809.1 | 724.1 | 639.2 | 615.9 | 613.7 | 616.2 | 618.7 | 629.8 | 640.9 |
| 37.5° | 1129.2 | 952.9 | 776.6 | 696.0 | 615.4 | 595.1 | 586.9 | 584.2 | 581.4 | 589.4 | 597.3 |
| 40° | 1132.9 | 934.6 | 736.2 | 662.4 | 588.6 | 570.2 | 557.6 | 551.4 | 545.1 | 550.9 | 556.6 |
| 42.5° | 1139.9 | 915.6 | 691.4 | 625.3 | 559.2 | 542.3 | 526.4 | 518.2 | 509.9 | 514.6 | 519.3 |
| 45° | 1152.2 | 898.0 | 643.9 | 586.0 | 528.0 | 510.8 | 495.5 | 487.4 | 479.4 | 483.3 | 487.3 |
| 47.5° | 1160.6 | 883.5 | 606.4 | 554.8 | 503.2 | 481.0 | 467.8 | 461.1 | 454.3 | 458.1 | 461.7 |
| 50° | 1155.1 | 867.7 | 580.2 | 534.1 | 488.0 | 458.8 | 443.5 | 437.5 | 431.6 | 437.3 | 443.1 |
| 52.5° | 1121.2 | 840.9 | 560.7 | 520.5 | 480.3 | 446.8 | 425.4 | 419.4 | 413.5 | 422.3 | 430.9 |
| 55° | 1051.2 | 796.6 | 542.0 | 510.6 | 479.2 | 448.0 | 415.7 | 406.4 | 397.0 | 409.4 | 421.7 |
| 57.5° | 947.0 | 734.1 | 521.1 | 498.9 | 476.7 | 449.2 | 409.9 | 396.3 | 382.7 | 396.0 | 409.2 |
| 60° | 807.4 | 652.9 | 498.5 | 481.0 | 463.6 | 445.4 | 404.5 | 386.8 | 369.1 | 380.8 | 392.4 |
| 62.5° | 650.1 | 555.8 | 461.5 | 449.9 | 438.3 | 436.1 | 398.2 | 376.1 | 354.0 | 361.4 | 368.8 |
| 65° | *512.4* | *468.4* | *424.4* | *418.9* | *413.4* | *413.7* | *384.8* | *361.3* | *337.8* | *340.7* | *343.5* |
| 67.5° | 396.9 | 384.4 | 371.9 | 375.0 | 378.0 | 377.2 | 361.0 | 341.4 | 321.9 | 321.0 | 320.1 |
| 70° | 300.7 | 304.2 | 307.8 | 322.0 | 336.1 | 336.1 | 330.8 | 316.9 | 303.0 | 299.9 | 296.8 |
| 72.5° | 231.9 | 242.7 | 253.5 | 273.6 | 293.7 | 297.0 | 297.1 | 287.6 | 278.0 | 273.5 | 269.0 |
| 75° | 180.1 | 189.9 | 199.6 | 222.1 | 244.7 | 260.2 | 258.9 | 251.6 | 244.2 | 239.9 | 235.5 |
| 77.5° | 138.6 | 145.3 | 152.0 | 173.8 | 195.7 | 221.3 | 220.6 | 214.7 | 208.9 | 204.5 | 200.0 |
| 80° | 103.9 | 106.7 | 109.5 | 128.0 | 146.5 | 177.1 | 177.0 | 172.1 | 167.1 | 163.4 | 159.7 |
| 82.5° | 74.3 | 74.8 | 75.3 | 88.9 | 102.6 | 128.7 | 130.2 | 127.8 | 125.4 | 122.7 | 120.1 |
| 85° | 44.9 | 44.7 | 44.4 | 54.4 | 64.4 | 83.8 | 85.7 | 83.1 | 80.5 | 77.6 | 74.7 |
| 87.5° | 19.7 | 19.4 | 19.2 | 23.3 | 27.4 | 35.5 | 37.9 | 36.8 | 35.8 | 35.2 | 34.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1198411
CATALOG NUMBER: GPC-SB1C-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 |
| 2.5° | 857.4 | 852.2 | 846.9 | 841.7 | 837.7 | 833.6 | 830.4 | 827.1 | 824.6 | 822.0 | 819.7 |
| 5° | 824.7 | 815.5 | 807.1 | 798.7 | 792.3 | 785.8 | 781.3 | 776.8 | 773.6 | 770.4 | 767.9 |
| 7.5° | 804.7 | 793.0 | 782.8 | 772.5 | 764.9 | 757.2 | 751.9 | 746.5 | 742.8 | 739.2 | 737.0 |
| 10° | 803.3 | 790.8 | 779.3 | 767.7 | 758.6 | 749.4 | 743.4 | 737.3 | 733.9 | 730.4 | 728.5 |
| 12.5° | 823.4 | 813.6 | 801.7 | 789.8 | 778.0 | 766.3 | 758.6 | 750.9 | 747.0 | 743.1 | 741.5 |
| 15° | 859.0 | 856.4 | 846.1 | 835.7 | 819.0 | 802.4 | 790.6 | 778.8 | 773.4 | 768.1 | 766.0 |
| 17.5° | 893.3 | 901.3 | 892.9 | 884.6 | 862.5 | 840.5 | 823.1 | 805.8 | 797.8 | 789.8 | 787.1 |
| 20° | 906.1 | 922.8 | 918.9 | 915.0 | 889.8 | 864.6 | 843.3 | 822.1 | 811.9 | 801.6 | 798.4 |
| 22.5° | 888.3 | 910.0 | 912.4 | 914.7 | 890.6 | 866.5 | 844.6 | 822.7 | 811.9 | 801.1 | 797.5 |
| 25° | 847.1 | 868.5 | 876.5 | 884.4 | 864.6 | 844.9 | 825.4 | 806.0 | 796.7 | 787.3 | 783.9 |
| 27.5° | 796.8 | 813.9 | 822.8 | 831.7 | 817.7 | 803.6 | 788.5 | 773.4 | 767.1 | 760.8 | 759.3 |
| 30° | 747.6 | 761.9 | 769.1 | 776.3 | 765.6 | 754.9 | 744.1 | 733.2 | 730.0 | 726.8 | 726.8 |
| 32.5° | 700.1 | 713.8 | 721.8 | 729.9 | 720.0 | 710.1 | 701.5 | 692.9 | 690.8 | 688.7 | 688.9 |
| 35° | 654.4 | 667.9 | 677.5 | 687.2 | 680.2 | 673.2 | 665.2 | 657.2 | 654.0 | 650.9 | 650.2 |
| 37.5° | 610.8 | 624.3 | 636.2 | 648.1 | 644.9 | 641.6 | 634.3 | 626.9 | 621.1 | 615.3 | 612.3 |
| 40° | 569.6 | 582.7 | 596.3 | 610.1 | 610.9 | 611.6 | 605.4 | 599.2 | 590.7 | 582.3 | 576.6 |
| 42.5° | 531.6 | 544.0 | 558.8 | 573.6 | 577.6 | 581.5 | 576.2 | 571.0 | 560.5 | 550.0 | 541.7 |
| 45° | 499.0 | 510.7 | 526.1 | 541.4 | 547.1 | 552.8 | 548.0 | 543.3 | 531.3 | 519.3 | 509.6 |
| 47.5° | 473.2 | 484.6 | 499.8 | 514.9 | 521.5 | 528.0 | 524.7 | 521.4 | 510.7 | 500.0 | 491.0 |
| 50° | 454.0 | 464.7 | 478.3 | 491.9 | 500.3 | 508.6 | 508.4 | 508.3 | 499.8 | 491.2 | 482.9 |
| 52.5° | 440.8 | 450.7 | 463.4 | 476.0 | 486.0 | 495.9 | 497.7 | 499.5 | 492.5 | 485.6 | 478.1 |
| 55° | 432.4 | 443.0 | 454.1 | 465.2 | 475.7 | 486.3 | 488.8 | 491.2 | 485.2 | 479.1 | 472.6 |
| 57.5° | 421.8 | 434.3 | 445.2 | 456.2 | 466.9 | 477.5 | 480.0 | 482.5 | 476.4 | 470.2 | 463.8 |
| 60° | 406.8 | 421.2 | 432.3 | 443.5 | 454.2 | 464.8 | 467.6 | 470.3 | 464.4 | 458.4 | 451.7 |
| 62.5° | 385.6 | 402.4 | 414.2 | 426.1 | 435.9 | 445.7 | 448.3 | 451.0 | 445.6 | 440.2 | 433.1 |
| 65° | *361.5* | *379.5* | *390.8* | *402.2* | *410.8* | *419.4* | *422.1* | *424.8* | *419.6* | *414.4* | *407.6* |
| 67.5° | 336.7 | 353.3 | 364.1 | 374.8 | 382.3 | 389.7 | 392.3 | 395.0 | 390.2 | 385.4 | 379.1 |
| 70° | 311.4 | 326.0 | 335.2 | 344.5 | 351.2 | 358.0 | 360.5 | 363.1 | 359.2 | 355.3 | 349.2 |
| 72.5° | 280.5 | 291.9 | 300.3 | 308.7 | 315.3 | 321.9 | 324.9 | 327.9 | 324.7 | 321.5 | 315.7 |
| 75° | 244.0 | 252.6 | 260.2 | 267.8 | 273.8 | 279.8 | 282.9 | 286.1 | 284.5 | 282.9 | 278.1 |
| 77.5° | 207.0 | 213.9 | 220.5 | 227.0 | 233.3 | 239.6 | 242.5 | 245.5 | 243.3 | 241.0 | 236.1 |
| 80° | 165.5 | 171.2 | 176.7 | 182.3 | 187.0 | 191.8 | 195.7 | 199.6 | 198.7 | 197.7 | 191.2 |
| 82.5° | 119.6 | 119.2 | 117.2 | 115.3 | 125.5 | 135.7 | 142.4 | 149.0 | 148.6 | 148.2 | 142.6 |
| 85° | 72.2 | 69.7 | 64.4 | 59.0 | 68.6 | 78.1 | 86.4 | 94.7 | 94.0 | 93.3 | 88.9 |
| 87.5° | 34.6 | 34.5 | 30.4 | 26.3 | 30.3 | 34.4 | 37.7 | 41.0 | 40.2 | 39.3 | 37.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1198411
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**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 |
| 2.5° | 817.3 | 814.4 | 817.3 | 819.7 | 822.0 | 824.6 | 827.1 | 830.4 | 833.6 | 837.7 | 841.7 |
| 5° | 765.5 | 763.1 | 765.5 | 767.9 | 770.4 | 773.6 | 776.8 | 781.3 | 785.8 | 792.3 | 798.7 |
| 7.5° | 734.8 | 733.1 | 734.8 | 737.0 | 739.2 | 742.8 | 746.5 | 751.9 | 757.2 | 764.9 | 772.5 |
| 10° | 726.7 | 725.9 | 726.7 | 728.5 | 730.4 | 733.9 | 737.3 | 743.4 | 749.4 | 758.6 | 767.7 |
| 12.5° | 739.9 | 739.7 | 739.9 | 741.5 | 743.1 | 747.0 | 750.9 | 758.6 | 766.3 | 778.0 | 789.8 |
| 15° | 763.9 | 763.8 | 763.9 | 766.0 | 768.1 | 773.4 | 778.8 | 790.6 | 802.4 | 819.0 | 835.7 |
| 17.5° | 784.5 | 784.1 | 784.5 | 787.1 | 789.8 | 797.8 | 805.8 | 823.1 | 840.5 | 862.5 | 884.6 |
| 20° | 795.1 | 794.1 | 795.1 | 798.4 | 801.6 | 811.9 | 822.1 | 843.3 | 864.6 | 889.8 | 915.0 |
| 22.5° | 793.9 | 792.3 | 793.9 | 797.5 | 801.1 | 811.9 | 822.7 | 844.6 | 866.5 | 890.6 | 914.7 |
| 25° | 780.6 | 778.6 | 780.6 | 783.9 | 787.3 | 796.7 | 806.0 | 825.4 | 844.9 | 864.6 | 884.4 |
| 27.5° | 757.7 | 757.2 | 757.7 | 759.3 | 760.8 | 767.1 | 773.4 | 788.5 | 803.6 | 817.7 | 831.7 |
| 30° | 726.8 | 727.3 | 726.8 | 726.8 | 726.8 | 730.0 | 733.2 | 744.1 | 754.9 | 765.6 | 776.3 |
| 32.5° | 689.2 | 689.8 | 689.2 | 688.9 | 688.7 | 690.8 | 692.9 | 701.5 | 710.1 | 720.0 | 729.9 |
| 35° | 649.5 | 649.1 | 649.5 | 650.2 | 650.9 | 654.0 | 657.2 | 665.2 | 673.2 | 680.2 | 687.2 |
| 37.5° | 609.2 | 607.5 | 609.2 | 612.3 | 615.3 | 621.1 | 626.9 | 634.3 | 641.6 | 644.9 | 648.1 |
| 40° | 570.9 | 567.6 | 570.9 | 576.6 | 582.3 | 590.7 | 599.2 | 605.4 | 611.6 | 610.9 | 610.1 |
| 42.5° | 533.4 | 528.0 | 533.4 | 541.7 | 550.0 | 560.5 | 571.0 | 576.2 | 581.5 | 577.6 | 573.6 |
| 45° | 499.8 | 493.6 | 499.8 | 509.6 | 519.3 | 531.3 | 543.3 | 548.0 | 552.8 | 547.1 | 541.4 |
| 47.5° | 482.0 | 476.0 | 482.0 | 491.0 | 500.0 | 510.7 | 521.4 | 524.7 | 528.0 | 521.5 | 514.9 |
| 50° | 474.6 | 468.8 | 474.6 | 482.9 | 491.2 | 499.8 | 508.3 | 508.4 | 508.6 | 500.3 | 491.9 |
| 52.5° | 470.7 | 465.3 | 470.7 | 478.1 | 485.6 | 492.5 | 499.5 | 497.7 | 495.9 | 486.0 | 476.0 |
| 55° | 466.0 | 461.2 | 466.0 | 472.6 | 479.1 | 485.2 | 491.2 | 488.8 | 486.3 | 475.7 | 465.2 |
| 57.5° | 457.3 | 452.3 | 457.3 | 463.8 | 470.2 | 476.4 | 482.5 | 480.0 | 477.5 | 466.9 | 456.2 |
| 60° | 445.0 | 439.9 | 445.0 | 451.7 | 458.4 | 464.4 | 470.3 | 467.6 | 464.8 | 454.2 | 443.5 |
| 62.5° | 426.1 | 419.9 | 426.1 | 433.1 | 440.2 | 445.6 | 451.0 | 448.3 | 445.7 | 435.9 | 426.1 |
| 65° | *400.8* | *395.5* | *400.8* | *407.6* | *414.4* | *419.6* | *424.8* | *422.1* | *419.4* | *410.8* | *402.2* |
| 67.5° | 372.8 | 367.9 | 372.8 | 379.1 | 385.4 | 390.2 | 395.0 | 392.3 | 389.7 | 382.3 | 374.8 |
| 70° | 343.2 | 337.7 | 343.2 | 349.2 | 355.3 | 359.2 | 363.1 | 360.5 | 358.0 | 351.2 | 344.5 |
| 72.5° | 309.9 | 304.6 | 309.9 | 315.7 | 321.5 | 324.7 | 327.9 | 324.9 | 321.9 | 315.3 | 308.7 |
| 75° | 273.2 | 268.1 | 273.2 | 278.1 | 282.9 | 284.5 | 286.1 | 282.9 | 279.8 | 273.8 | 267.8 |
| 77.5° | 231.2 | 227.2 | 231.2 | 236.1 | 241.0 | 243.3 | 245.5 | 242.5 | 239.6 | 233.3 | 227.0 |
| 80° | 184.6 | 176.9 | 184.6 | 191.2 | 197.7 | 198.7 | 199.6 | 195.7 | 191.8 | 187.0 | 182.3 |
| 82.5° | 137.1 | 132.2 | 137.1 | 142.6 | 148.2 | 148.6 | 149.0 | 142.4 | 135.7 | 125.5 | 115.3 |
| 85° | 84.6 | 80.2 | 84.6 | 88.9 | 93.3 | 94.0 | 94.7 | 86.4 | 78.1 | 68.6 | 59.0 |
| 87.5° | 34.8 | 32.7 | 34.8 | 37.1 | 39.3 | 40.2 | 41.0 | 37.7 | 34.4 | 30.3 | 26.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1198411
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 |
| 2.5° | 846.9 | 852.2 | 857.4 | 862.5 | 868.5 | 874.4 | 881.0 | 887.6 | 895.8 | 903.1 | 910.7 |
| 5° | 807.1 | 815.5 | 824.7 | 833.9 | 844.3 | 854.8 | 867.3 | 879.8 | 894.0 | 908.5 | 923.8 |
| 7.5° | 782.8 | 793.0 | 804.7 | 816.3 | 830.0 | 843.8 | 860.3 | 876.9 | 895.4 | 915.1 | 936.5 |
| 10° | 779.3 | 790.8 | 803.3 | 815.8 | 829.6 | 843.3 | 860.8 | 878.3 | 898.2 | 922.5 | 947.8 |
| 12.5° | 801.7 | 813.6 | 823.4 | 833.2 | 842.3 | 851.5 | 865.7 | 880.0 | 898.5 | 924.1 | 952.7 |
| 15° | 846.1 | 856.4 | 859.0 | 861.5 | 860.3 | 859.0 | 865.9 | 872.7 | 887.5 | 915.8 | 948.9 |
| 17.5° | 892.9 | 901.3 | 893.3 | 885.3 | 870.3 | 855.3 | 852.8 | 850.3 | 859.5 | 892.8 | 932.6 |
| 20° | 918.9 | 922.8 | 906.1 | 889.4 | 863.3 | 837.3 | 825.5 | 813.8 | 816.3 | 855.0 | 904.4 |
| 22.5° | 912.4 | 910.0 | 888.3 | 866.6 | 836.8 | 807.1 | 789.8 | 772.4 | 767.7 | 811.9 | 871.3 |
| 25° | 876.5 | 868.5 | 847.1 | 825.7 | 798.9 | 772.2 | 752.2 | 732.3 | 719.5 | 764.8 | 834.4 |
| 27.5° | 822.8 | 813.9 | 796.8 | 779.7 | 757.7 | 735.7 | 716.4 | 697.2 | 681.7 | 722.9 | 800.6 |
| 30° | 769.1 | 761.9 | 747.6 | 733.4 | 715.2 | 696.9 | 681.6 | 666.3 | 654.1 | 688.7 | 772.4 |
| 32.5° | 721.8 | 713.8 | 700.1 | 686.5 | 671.9 | 657.3 | 648.3 | 639.2 | 633.8 | 661.7 | 748.1 |
| 35° | 677.5 | 667.9 | 654.4 | 640.9 | 629.8 | 618.7 | 616.2 | 613.7 | 615.9 | 639.2 | 724.1 |
| 37.5° | 636.2 | 624.3 | 610.8 | 597.3 | 589.4 | 581.4 | 584.2 | 586.9 | 595.1 | 615.4 | 696.0 |
| 40° | 596.3 | 582.7 | 569.6 | 556.6 | 550.9 | 545.1 | 551.4 | 557.6 | 570.2 | 588.6 | 662.4 |
| 42.5° | 558.8 | 544.0 | 531.6 | 519.3 | 514.6 | 509.9 | 518.2 | 526.4 | 542.3 | 559.2 | 625.3 |
| 45° | 526.1 | 510.7 | 499.0 | 487.3 | 483.3 | 479.4 | 487.4 | 495.5 | 510.8 | 528.0 | 586.0 |
| 47.5° | 499.8 | 484.6 | 473.2 | 461.7 | 458.1 | 454.3 | 461.1 | 467.8 | 481.0 | 503.2 | 554.8 |
| 50° | 478.3 | 464.7 | 454.0 | 443.1 | 437.3 | 431.6 | 437.5 | 443.5 | 458.8 | 488.0 | 534.1 |
| 52.5° | 463.4 | 450.7 | 440.8 | 430.9 | 422.3 | 413.5 | 419.4 | 425.4 | 446.8 | 480.3 | 520.5 |
| 55° | 454.1 | 443.0 | 432.4 | 421.7 | 409.4 | 397.0 | 406.4 | 415.7 | 448.0 | 479.2 | 510.6 |
| 57.5° | 445.2 | 434.3 | 421.8 | 409.2 | 396.0 | 382.7 | 396.3 | 409.9 | 449.2 | 476.7 | 498.9 |
| 60° | 432.3 | 421.2 | 406.8 | 392.4 | 380.8 | 369.1 | 386.8 | 404.5 | 445.4 | 463.6 | 481.0 |
| 62.5° | 414.2 | 402.4 | 385.6 | 368.8 | 361.4 | 354.0 | 376.1 | 398.2 | 436.1 | 438.3 | 449.9 |
| 65° | *390.8* | *379.5* | *361.5* | *343.5* | *340.7* | *337.8* | *361.3* | *384.8* | *413.7* | *413.4* | *418.9* |
| 67.5° | 364.1 | 353.3 | 336.7 | 320.1 | 321.0 | 321.9 | 341.4 | 361.0 | 377.2 | 378.0 | 375.0 |
| 70° | 335.2 | 326.0 | 311.4 | 296.8 | 299.9 | 303.0 | 316.9 | 330.8 | 336.1 | 336.1 | 322.0 |
| 72.5° | 300.3 | 291.9 | 280.5 | 269.0 | 273.5 | 278.0 | 287.6 | 297.1 | 297.0 | 293.7 | 273.6 |
| 75° | 260.2 | 252.6 | 244.0 | 235.5 | 239.9 | 244.2 | 251.6 | 258.9 | 260.2 | 244.7 | 222.1 |
| 77.5° | 220.5 | 213.9 | 207.0 | 200.0 | 204.5 | 208.9 | 214.7 | 220.6 | 221.3 | 195.7 | 173.8 |
| 80° | 176.7 | 171.2 | 165.5 | 159.7 | 163.4 | 167.1 | 172.1 | 177.0 | 177.1 | 146.5 | 128.0 |
| 82.5° | 117.2 | 119.2 | 119.6 | 120.1 | 122.7 | 125.4 | 127.8 | 130.2 | 128.7 | 102.6 | 88.9 |
| 85° | 64.4 | 69.7 | 72.2 | 74.7 | 77.6 | 80.5 | 83.1 | 85.7 | 83.8 | 64.4 | 54.4 |
| 87.5° | 30.4 | 34.5 | 34.6 | 34.7 | 35.2 | 35.8 | 36.8 | 37.9 | 35.5 | 27.4 | 23.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1198411
CATALOG NUMBER: GPC-SB1C-827-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 | 897.0 |
| 2.5° | 918.2 | 926.2 | 934.1 | 941.9 | 949.8 | 957.2 | 964.6 |
| 5° | 939.1 | 955.5 | 971.9 | 988.2 | 1004.5 | 1020.9 | 1037.2 |
| 7.5° | 957.9 | 982.2 | 1006.4 | 1031.3 | 1056.3 | 1083.2 | 1110.2 |
| 10° | 973.1 | 1002.6 | 1032.1 | 1065.0 | 1097.9 | 1132.0 | 1166.1 |
| 12.5° | 981.3 | 1016.1 | 1050.8 | 1088.1 | 1125.4 | 1162.9 | 1200.4 |
| 15° | 982.1 | 1022.1 | 1062.1 | 1102.6 | 1143.1 | 1182.1 | 1221.2 |
| 17.5° | 972.4 | 1018.9 | 1065.3 | 1109.5 | 1153.7 | 1193.3 | 1232.9 |
| 20° | 953.8 | 1010.1 | 1066.4 | 1114.9 | 1163.4 | 1204.6 | 1245.8 |
| 22.5° | 930.8 | 999.3 | 1067.8 | 1122.2 | 1176.6 | 1218.7 | 1260.8 |
| 25° | 904.0 | 988.6 | 1073.2 | 1135.4 | 1197.6 | 1238.8 | 1280.1 |
| 27.5° | 878.4 | 981.5 | 1084.6 | 1156.1 | 1227.6 | 1266.9 | 1306.2 |
| 30° | 856.1 | 978.1 | 1100.1 | 1182.8 | 1265.5 | 1303.5 | 1341.5 |
| 32.5° | 834.4 | 974.0 | 1113.5 | 1210.7 | 1307.9 | 1345.5 | 1383.1 |
| 35° | 809.1 | 966.2 | 1123.4 | 1242.5 | 1361.7 | 1397.7 | 1433.7 |
| 37.5° | 776.6 | 952.9 | 1129.2 | 1278.2 | 1427.1 | 1473.0 | 1518.9 |
| 40° | 736.2 | 934.6 | 1132.9 | 1323.4 | 1513.8 | 1580.7 | 1647.7 |
| 42.5° | 691.4 | 915.6 | 1139.9 | 1382.6 | 1625.2 | 1721.8 | 1818.4 |
| 45° | 643.9 | 898.0 | 1152.2 | 1460.4 | 1768.6 | 1898.9 | 2029.2 |
| 47.5° | 606.4 | 883.5 | 1160.6 | 1543.4 | 1926.1 | 2109.5 | 2292.8 |
| 50° | 580.2 | 867.7 | 1155.1 | 1620.3 | 2085.5 | 2362.0 | 2638.4 |
| 52.5° | 560.7 | 840.9 | 1121.2 | 1670.3 | 2219.4 | 2627.2 | 3035.1 |
| 55° | 542.0 | 796.6 | 1051.2 | 1659.3 | 2267.4 | 2862.4 | 3457.4 |
| 57.5° | 521.1 | 734.1 | 947.0 | 1581.8 | 2216.5 | 3029.0 | 3841.5 |
| 60° | 498.5 | 652.9 | 807.4 | 1437.5 | 2067.6 | 3070.7 | 4073.7 |
| 62.5° | 461.5 | 555.8 | 650.1 | 1242.5 | 1834.8 | 2895.3 | 3955.8 |
| 65° | *424.4* | *468.4* | *512.4* | *1043.5* | *1574.5* | *2647.2* | *3719.9* |
| 67.5° | 371.9 | 384.4 | 396.9 | 848.5 | 1300.1 | 2351.9 | 3403.7 |
| 70° | 307.8 | 304.2 | 300.7 | 668.1 | 1035.5 | 2029.7 | 3023.9 |
| 72.5° | 253.5 | 242.7 | 231.9 | 510.7 | 789.6 | 1680.4 | 2571.3 |
| 75° | 199.6 | 189.9 | 180.1 | 370.7 | 561.3 | 1280.0 | 1998.7 |
| 77.5° | 152.0 | 145.3 | 138.6 | 251.2 | 363.7 | 895.9 | 1428.1 |
| 80° | 109.5 | 106.7 | 103.9 | 161.8 | 219.8 | 577.2 | 934.7 |
| 82.5° | 75.3 | 74.8 | 74.3 | 99.5 | 124.9 | 334.1 | 543.3 |
| 85° | 44.4 | 44.7 | 44.9 | 53.2 | 61.5 | 150.3 | 239.0 |
| 87.5° | 19.2 | 19.4 | 19.7 | 22.1 | 24.4 | 49.2 | 74.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


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