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

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

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: P1201975

Luminaire Tested: GWC-SB1C-827-U-T2

Issue Date: 10/30/2025

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1201975 |
| | TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3) |
| Test Lab: | INNOVATION CENTER |
| Issue Date: | 3/16/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GWC-SB1C-827-U-T2 |
| Description: | GALLEON WALL LUMINAIRE |
| | (1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS |
| Light Source: | - |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 6487 lumens |
| Efficiency: | N/A |
| Efficacy: | 119.2 lumens/watt |
| Luminous Opening: | Rectangular (W 0.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Medium |
| BUG Rating: | B2 - 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 |

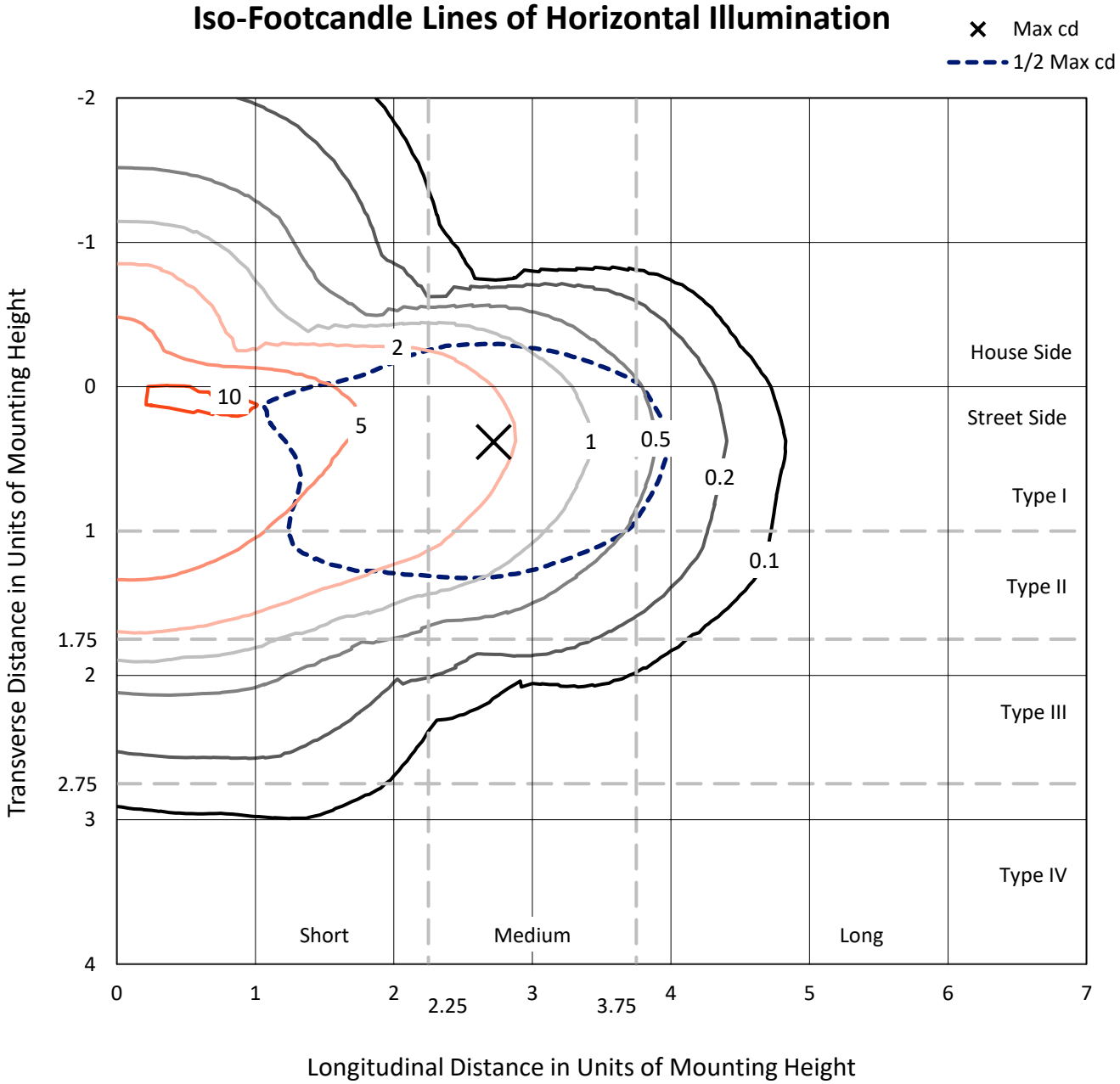


Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1201975
CATALOG NUMBER: GWC-SB1C-827-U-T2

## Iso-Footcandle Lines of Horizontal Illumination



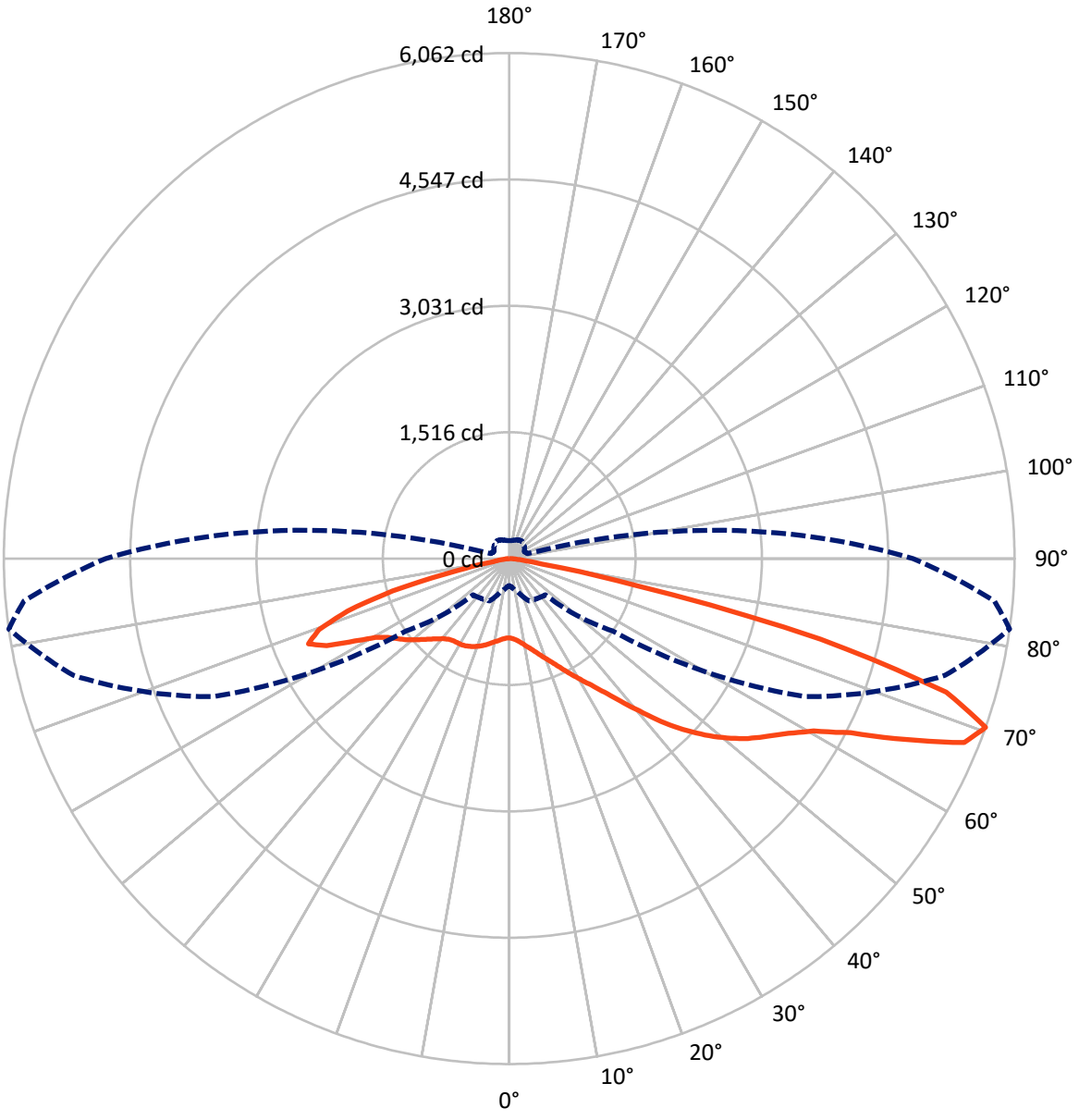

Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
Type II - Medium - N/A

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

Scaled Data Report

REPORT NUMBER: P1201975
CATALOG NUMBER: GWC-SB1C-827-U-T2

## Luminous Intensity Polar Plot



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

Scaled Data Report

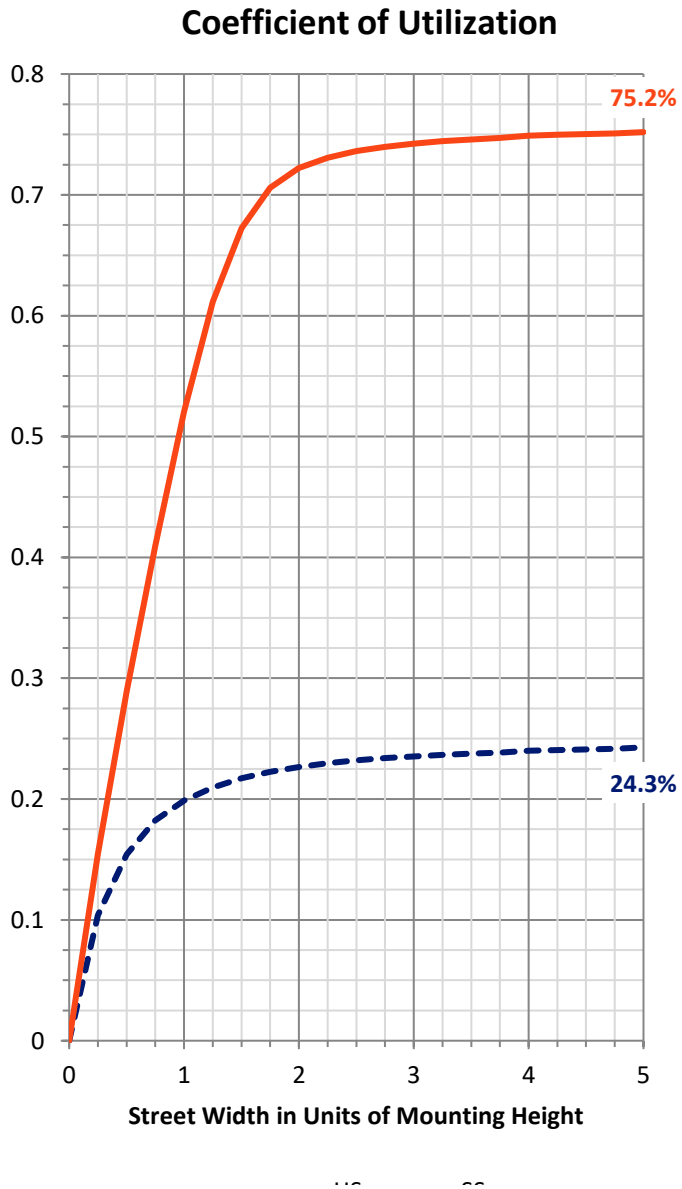
REPORT NUMBER: P1201975
CATALOG NUMBER: GWC-SB1C-827-U-T2

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1599.2 | 0.0 | 1599.2 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| **Street Side** | Lumens | 4887.8 | 0.0 | 4887.8 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| **Total** | Lumens | 6487.0 | 0.0 | 6487.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 89.8 | 1.4 |
| 10°-20° | 258.0 | 4.0 |
| 20°-30° | 431.6 | 6.7 |
| 30°-40° | 674.3 | 10.4 |
| 40°-50° | 1073.9 | 16.6 |
| 50°-60° | 1494.4 | 23.0 |
| 60°-70° | 1563.2 | 24.1 |
| 70°-80° | 817.0 | 12.6 |
| 80°-90° | 84.8 | 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° | 6487.0 | 100.0 |
| 0°-180° | 6487.0 | 100.0 |



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

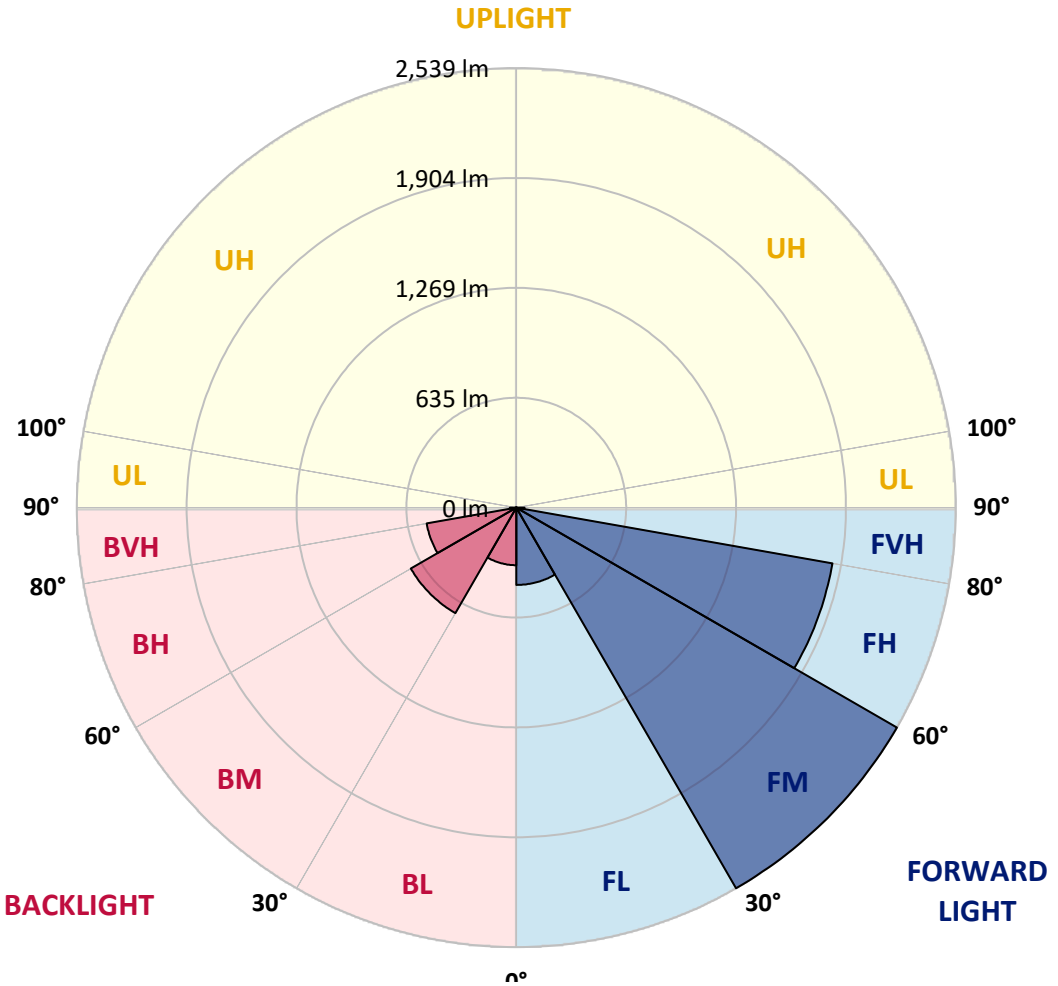
Scaled Data Report

REPORT NUMBER: P1201975
CATALOG NUMBER: GWC-SB1C-827-U-T2

## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 446.7 | 6.9 | | | |
| FM | (30°-60°) | 2538.9 | 39.1 | | | |
| FH | (60°-80°) | 1854.7 | 28.6 | | | G2/5000 |
| FVH | (80°-90°) | 47.5 | 0.7 | | | G1/100 |
| BL | (0°-30°) | 332.7 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 703.6 | 10.8 | B1/1000 | | |
| BH | (60°-80°) | 525.6 | 8.1 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 37.3 | 0.6 | | | 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



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

Scaled Data Report

REPORT NUMBER: P1201975
CATALOG NUMBER: GWC-SB1C-827-U-T2

**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | *951.1* | 951.1 |
| 2.5° | 973.8 | 979.3 | 977.6 | 975.9 | 975.9 | 973.4 | 973.1 | 969.7 | 966.9 | *962.4* | 961.4 |
| 5° | 986.2 | 992.0 | 991.3 | 992.7 | 997.2 | 998.2 | 999.3 | 997.2 | 991.7 | *986.2* | 983.8 |
| 7.5° | 975.2 | 981.7 | 983.8 | 992.0 | 1005.8 | 1018.2 | 1027.5 | 1031.3 | 1026.1 | *1018.2* | 1014.4 |
| 10° | 938.0 | 945.2 | 952.5 | 972.1 | 996.5 | 1025.8 | 1050.6 | 1065.4 | 1064.3 | *1056.8* | 1050.2 |
| 12.5° | 862.6 | 870.2 | 885.7 | 923.9 | 968.6 | 1020.3 | 1066.4 | 1097.4 | 1108.0 | *1102.5* | 1091.2 |
| 15° | 802.4 | 808.9 | 820.6 | 859.9 | 918.0 | 996.5 | 1072.2 | 1132.5 | 1159.7 | *1156.6* | 1142.8 |
| 17.5° | 800.7 | 803.4 | 810.6 | 829.2 | 874.0 | 959.3 | 1066.0 | 1166.9 | 1218.9 | *1218.5* | 1201.3 |
| 20° | 830.9 | 832.0 | 836.1 | 839.9 | 865.4 | 931.1 | 1050.2 | 1195.5 | 1285.3 | *1285.3* | 1266.7 |
| 22.5° | 872.9 | 872.2 | 876.4 | 872.9 | 885.3 | 928.7 | 1040.2 | 1220.6 | 1359.3 | *1364.8* | 1341.4 |
| 25° | 935.9 | 932.5 | 931.5 | 923.5 | 925.9 | 951.1 | 1051.2 | 1249.2 | 1447.1 | *1458.5* | 1429.2 |
| 27.5° | 1019.9 | 1014.4 | 1010.6 | 992.4 | 986.2 | 997.2 | 1085.0 | 1283.6 | 1544.9 | *1564.5* | 1527.3 |
| 30° | 1129.4 | 1119.4 | 1113.9 | 1082.2 | 1059.8 | 1061.6 | 1135.9 | 1329.4 | 1647.1 | *1678.8* | 1631.6 |
| 32.5° | 1278.8 | 1263.3 | 1248.5 | 1196.5 | 1155.5 | 1142.1 | 1201.7 | 1392.7 | 1757.9 | *1808.5* | 1747.9 |
| 35° | 1446.1 | 1433.7 | 1417.8 | 1337.6 | 1274.6 | 1243.7 | 1290.5 | 1481.2 | 1887.7 | *1967.9* | 1889.1 |
| 37.5° | 1607.2 | 1596.5 | 1604.1 | 1496.0 | 1414.7 | 1369.6 | 1406.8 | 1599.9 | 2047.8 | *2166.2* | 2066.0 |
| 40° | 1773.8 | 1765.5 | 1766.5 | 1663.3 | 1568.6 | 1518.0 | 1547.9 | 1749.0 | 2231.2 | *2402.0* | 2278.7 |
| 42.5° | 1954.8 | 1948.6 | 1928.0 | 1836.4 | 1730.0 | 1682.9 | 1710.4 | 1921.1 | 2428.1 | *2670.4* | 2512.1 |
| 45° | 2157.6 | 2153.8 | 2134.5 | 2029.5 | 1907.7 | 1854.6 | 1891.8 | 2111.1 | 2626.0 | *2923.1* | 2746.5 |
| 47.5° | 2332.8 | 2335.9 | 2333.5 | 2245.0 | 2118.7 | 2040.9 | 2085.3 | 2309.4 | 2810.2 | *3160.6* | 2971.3 |
| 50° | 2417.1 | 2433.3 | 2457.0 | 2429.5 | 2351.0 | 2271.8 | 2280.4 | 2500.7 | 2985.8 | *3383.3* | 3186.8 |
| 52.5° | 2373.0 | 2403.7 | 2468.4 | 2512.4 | 2542.7 | 2526.2 | 2503.2 | 2690.8 | 3151.0 | *3584.3* | 3390.6 |
| 55° | 2208.8 | 2251.9 | 2359.3 | 2465.6 | 2620.2 | 2740.3 | 2770.6 | 2901.4 | 3312.1 | *3761.3* | 3583.3 |
| 57.5° | 1909.7 | 1979.6 | 2076.0 | 2291.1 | 2551.3 | 2843.9 | 3082.5 | 3193.7 | 3482.8 | *3950.2* | 3785.0 |
| 60° | 1396.8 | 1490.5 | 1610.3 | 1930.4 | 2310.4 | 2788.5 | 3347.9 | 3642.5 | 3725.5 | *4195.0* | 4047.7 |
| 62.5° | 893.9 | 951.8 | 1061.9 | 1363.4 | 1800.3 | 2504.5 | 3429.1 | 4203.6 | 4136.8 | *4596.3* | 4441.4 |
| 65° | 612.0 | 649.2 | 750.1 | 919.4 | 1163.8 | 1864.3 | 3211.6 | 4624.2 | 4790.1 | *5232.5* | 5114.7 |
| 67.5° | 444.7 | 473.0 | 559.0 | 707.4 | 758.3 | 1103.2 | 2492.1 | 4605.0 | 5425.2 | *5887.9* | 5704.7 |
| 70° | *324.3* | *344.2* | *416.5* | *559.0* | *583.5* | *613.7* | *1509.7* | *3914.5* | *5411.5* | *6062.0* | *5842.8* |
| 72.5° | 240.3 | 254.0 | 302.6 | 433.7 | 472.3 | 414.4 | 747.3 | 2845.0 | 4650.0 | *5483.1* | 5307.2 |
| 75° | 173.8 | 184.2 | 220.0 | 331.8 | 378.0 | 315.6 | 372.8 | 1662.6 | 3243.6 | *3857.0* | 3887.9 |
| 77.5° | 132.9 | 140.8 | 164.2 | 243.0 | 302.6 | 236.8 | 231.3 | 764.9 | 1538.0 | *1545.5* | 1632.3 |
| 80° | 106.7 | 111.9 | 124.6 | 171.1 | 232.0 | 177.3 | 150.8 | 308.8 | 486.0 | *411.3* | 431.6 |
| 82.5° | 78.5 | 87.1 | 105.3 | 120.1 | 165.9 | 122.2 | 91.9 | 155.9 | 184.8 | *159.0* | 160.4 |
| 85° | 44.7 | 50.6 | 63.7 | 86.1 | 106.0 | 74.7 | 52.7 | 69.2 | 86.1 | *70.6* | 63.0 |
| 87.5° | 15.8 | 20.7 | 22.4 | 33.7 | 46.1 | 31.0 | 20.3 | 20.0 | 28.2 | *21.0* | 17.6 |
| 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: P1201975
CATALOG NUMBER: GWC-SB1C-827-U-T2

**CANDELA DISTRIBUTION (continued):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 | 951.1 |
| 2.5° | 958.0 | 956.2 | 949.4 | 940.1 | 930.4 | 921.1 | 918.0 | 911.5 | 907.0 | 904.6 | 907.4 |
| 5° | 977.2 | 971.7 | 955.6 | 934.9 | 913.2 | 889.8 | 873.3 | 858.1 | 847.1 | 836.8 | 840.9 |
| 7.5° | 1004.8 | 995.1 | 967.3 | 931.1 | 892.6 | 853.7 | 824.7 | 802.7 | 787.9 | 778.3 | 780.3 |
| 10° | 1036.8 | 1022.0 | 979.3 | 925.3 | 865.7 | 809.9 | 775.9 | 756.9 | 747.6 | 742.5 | 743.9 |
| 12.5° | 1073.6 | 1052.6 | 991.7 | 911.8 | 824.7 | 761.1 | 737.7 | 732.2 | 732.5 | 732.8 | 733.5 |
| 15° | 1119.1 | 1089.8 | 1001.7 | 882.6 | 771.4 | 723.5 | 719.4 | 728.4 | 737.7 | 742.1 | 741.8 |
| 17.5° | 1170.3 | 1129.0 | 1003.4 | 834.4 | 719.1 | 699.5 | 712.5 | 731.8 | 745.9 | 752.1 | 753.5 |
| 20° | 1225.4 | 1169.0 | 991.0 | 766.2 | 676.0 | 679.8 | 703.2 | 728.0 | 743.5 | 751.4 | 753.5 |
| 22.5° | 1288.4 | 1211.6 | 961.4 | 694.6 | 640.9 | 658.5 | 686.0 | 710.1 | 726.3 | 734.2 | 736.3 |
| 25° | 1360.4 | 1259.5 | 914.9 | 634.4 | 610.6 | 634.4 | 661.9 | 681.9 | 695.0 | 702.2 | 704.3 |
| 27.5° | 1440.2 | 1309.4 | 853.0 | 586.5 | 584.1 | 609.6 | 632.3 | 647.8 | 654.7 | 660.2 | 662.3 |
| 30° | 1520.4 | 1354.8 | 777.9 | 550.4 | 561.1 | 585.2 | 601.3 | 608.2 | 610.3 | 611.3 | 613.7 |
| 32.5° | 1607.2 | 1394.1 | 699.1 | 520.5 | 539.0 | 561.4 | 571.1 | 574.2 | 564.5 | 558.0 | 560.0 |
| 35° | 1712.1 | 1436.1 | 622.0 | 496.7 | 517.4 | 536.6 | 539.7 | 537.0 | 525.6 | 512.2 | 512.9 |
| 37.5° | 1841.9 | 1488.4 | 560.4 | 479.8 | 497.1 | 509.8 | 506.0 | 505.3 | 506.3 | 490.5 | 491.5 |
| 40° | 2000.9 | 1556.6 | 515.3 | 466.8 | 480.5 | 483.3 | 472.6 | 478.5 | 483.6 | 459.5 | 460.2 |
| 42.5° | 2177.5 | 1638.8 | 486.7 | 457.8 | 466.8 | 460.2 | 443.7 | 450.2 | 449.5 | 417.9 | 417.5 |
| 45° | 2357.6 | 1728.3 | 476.7 | 451.3 | 454.0 | 440.9 | 422.7 | 424.4 | 410.0 | 381.4 | 382.4 |
| 47.5° | 2536.5 | 1824.4 | 482.9 | 445.8 | 438.2 | 423.4 | 409.3 | 401.7 | 380.4 | 359.0 | 359.0 |
| 50° | 2712.1 | 1925.2 | 505.7 | 434.7 | 416.5 | 407.9 | 397.6 | 384.1 | 361.4 | 343.2 | 341.8 |
| 52.5° | 2874.9 | 2026.8 | 531.1 | 416.5 | 389.3 | 394.5 | 387.9 | 372.4 | 350.1 | 331.5 | 331.8 |
| 55° | 3029.1 | 2128.3 | 541.1 | 391.4 | 363.8 | 382.8 | 379.0 | 350.4 | 323.6 | 308.4 | 307.0 |
| 57.5° | 3197.1 | 2250.5 | 530.1 | 359.4 | 343.2 | 369.3 | 354.9 | 323.2 | 307.7 | 296.4 | 295.3 |
| 60° | 3429.8 | 2442.2 | 506.3 | 319.8 | 323.6 | 349.4 | 324.6 | 311.5 | 294.7 | 281.9 | 281.2 |
| 62.5° | 3816.3 | 2799.9 | 468.1 | 280.5 | 300.5 | 319.8 | 310.1 | 297.1 | 279.8 | 267.5 | 267.5 |
| 65° | 4387.8 | 3296.9 | 396.2 | 249.9 | 274.7 | 290.9 | 294.7 | 281.6 | 263.7 | 250.6 | 251.3 |
| 67.5° | 4869.7 | 3608.8 | 299.8 | 224.4 | 248.2 | 267.5 | 278.1 | 265.4 | 246.5 | 233.7 | 234.1 |
| 70° | *4843.2* | *3382.3* | *228.9* | *199.3* | *224.8* | *244.4* | *258.2* | *248.2* | *227.9* | *215.8* | *216.9* |
| 72.5° | 4301.7 | 2829.5 | 185.2 | 173.8 | 201.0 | 220.3 | 236.8 | 229.2 | 208.6 | 196.9 | 196.9 |
| 75° | 3160.3 | 2008.5 | 148.0 | 148.0 | 171.4 | 195.2 | 213.4 | 208.6 | 189.7 | 181.4 | 179.0 |
| 77.5° | 1332.1 | 842.6 | 116.0 | 122.9 | 142.5 | 167.6 | 190.4 | 192.1 | 175.6 | 185.9 | 168.7 |
| 80° | 354.2 | 232.3 | 88.5 | 96.7 | 111.9 | 138.4 | 165.6 | 164.9 | 147.0 | 137.3 | 127.7 |
| 82.5° | 134.9 | 91.6 | 63.0 | 68.2 | 80.9 | 106.0 | 131.1 | 135.3 | 117.4 | 101.5 | 101.5 |
| 85° | 52.0 | 39.2 | 38.9 | 41.0 | 47.2 | 70.2 | 99.1 | 102.6 | 88.5 | 75.0 | 77.4 |
| 87.5° | 13.4 | 11.7 | 14.5 | 13.8 | 21.7 | 37.5 | 56.8 | 58.9 | 54.0 | 31.3 | 44.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |


HS
SS

0

(END OF REPORT)