

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P385947

Luminaire Tested: **GWC-SA1C-735-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385947
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-735-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6962.8 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

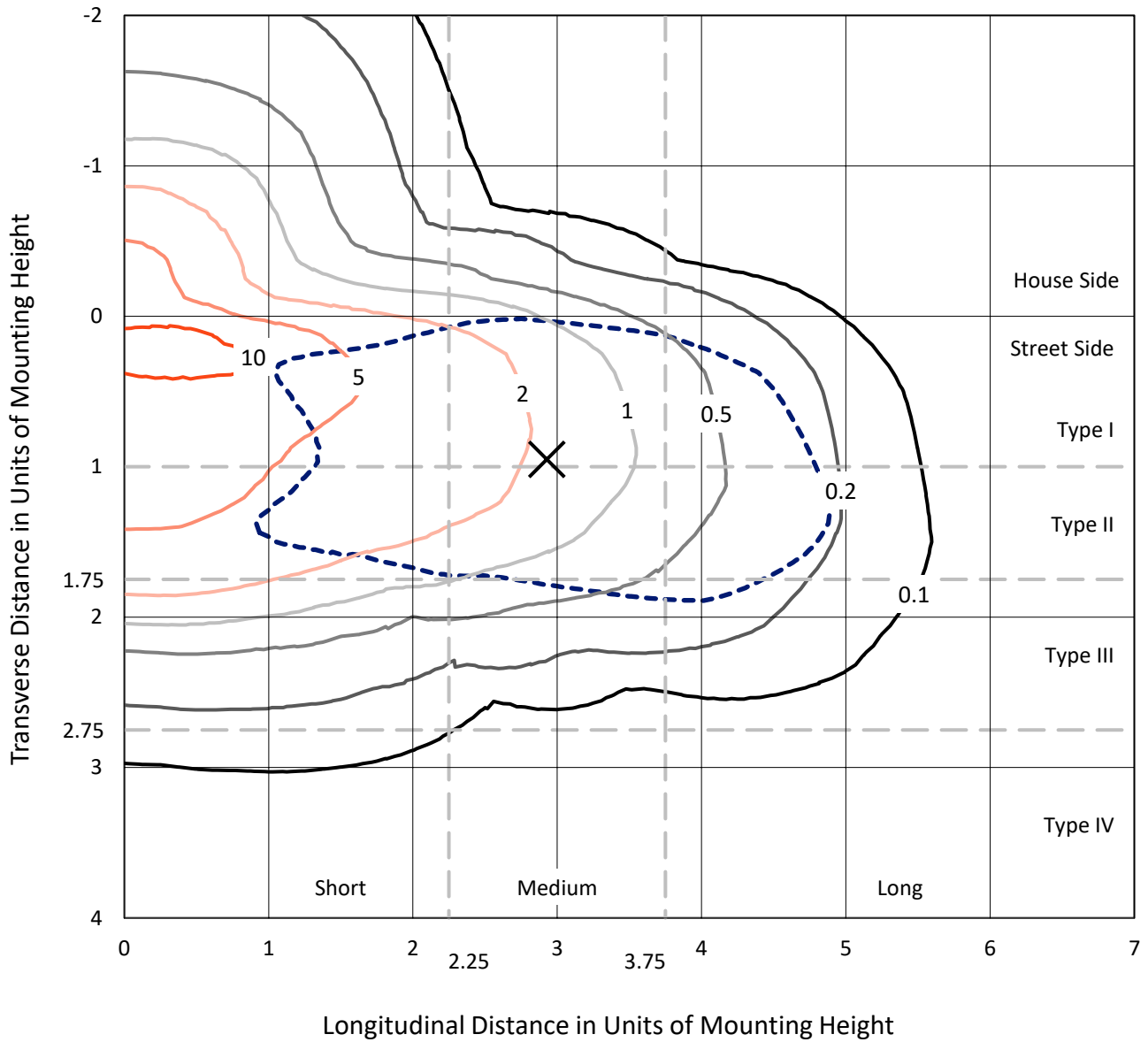
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

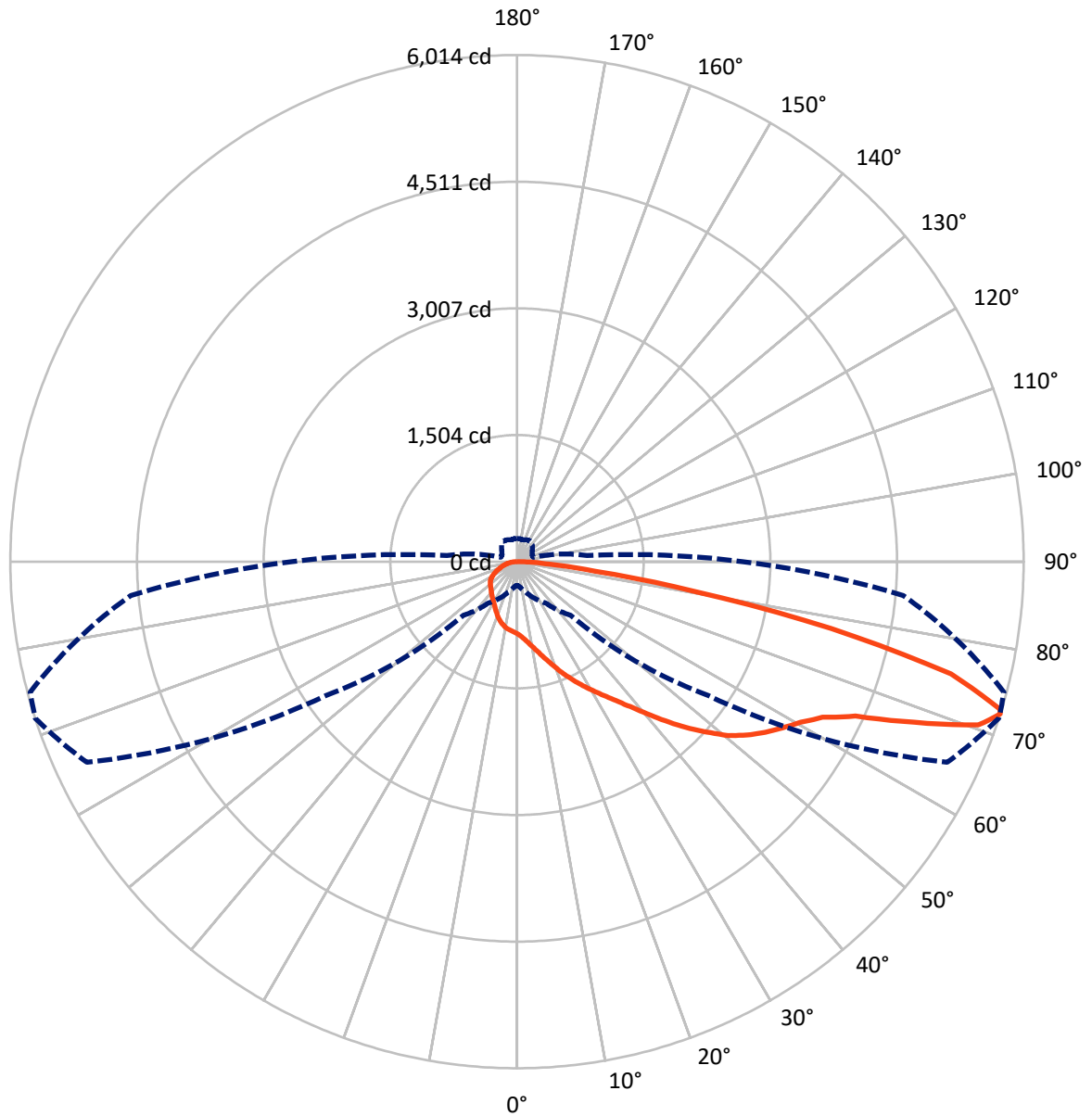
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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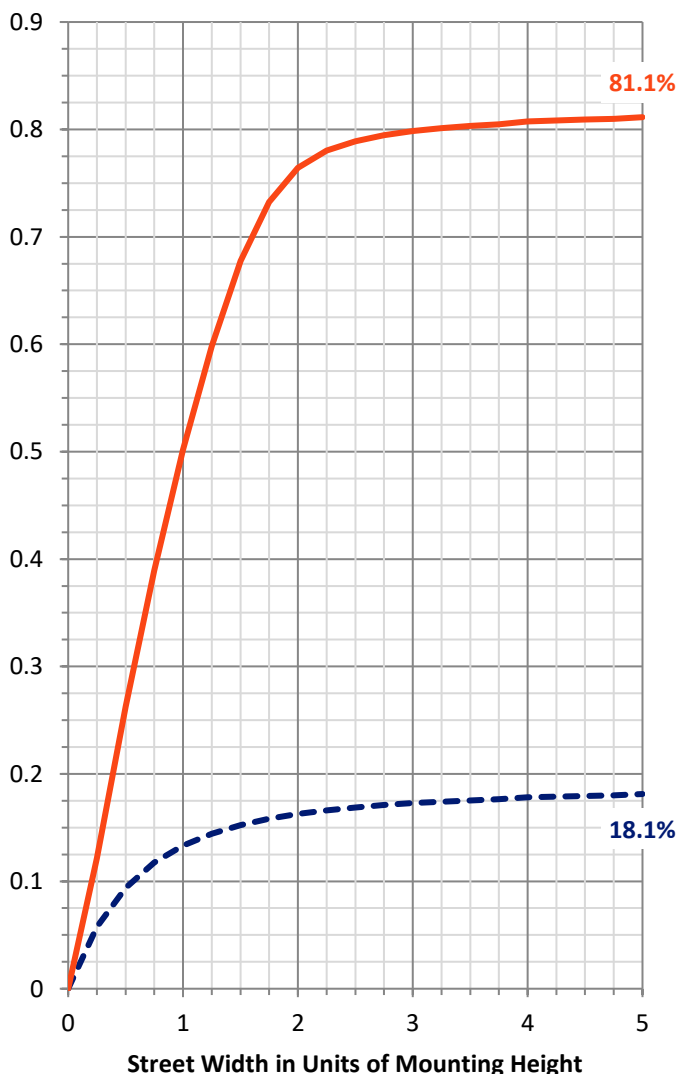
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1291.6 | 0.0 | 1291.6 |
| | % Fixture | 18.6 | 0.0 | 18.6 |
| Street Side | Lumens | 5671.1 | 0.0 | 5671.1 |
| | % Fixture | 81.4 | 0.0 | 81.4 |
| Total | Lumens | 6962.8 | 0.0 | 6962.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.8 | 1.2 |
| 10°-20° | 277.4 | 4.0 |
| 20°-30° | 486.0 | 7.0 |
| 30°-40° | 720.7 | 10.4 |
| 40°-50° | 1054.0 | 15.1 |
| 50°-60° | 1450.3 | 20.8 |
| 60°-70° | 1614.6 | 23.2 |
| 70°-80° | 1094.1 | 15.7 |
| 80°-90° | 179.8 | 2.6 |
| 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° | 6962.8 | 100.0 |
| 0°-180° | 6962.8 | 100.0 |

Coefficient of Utilization



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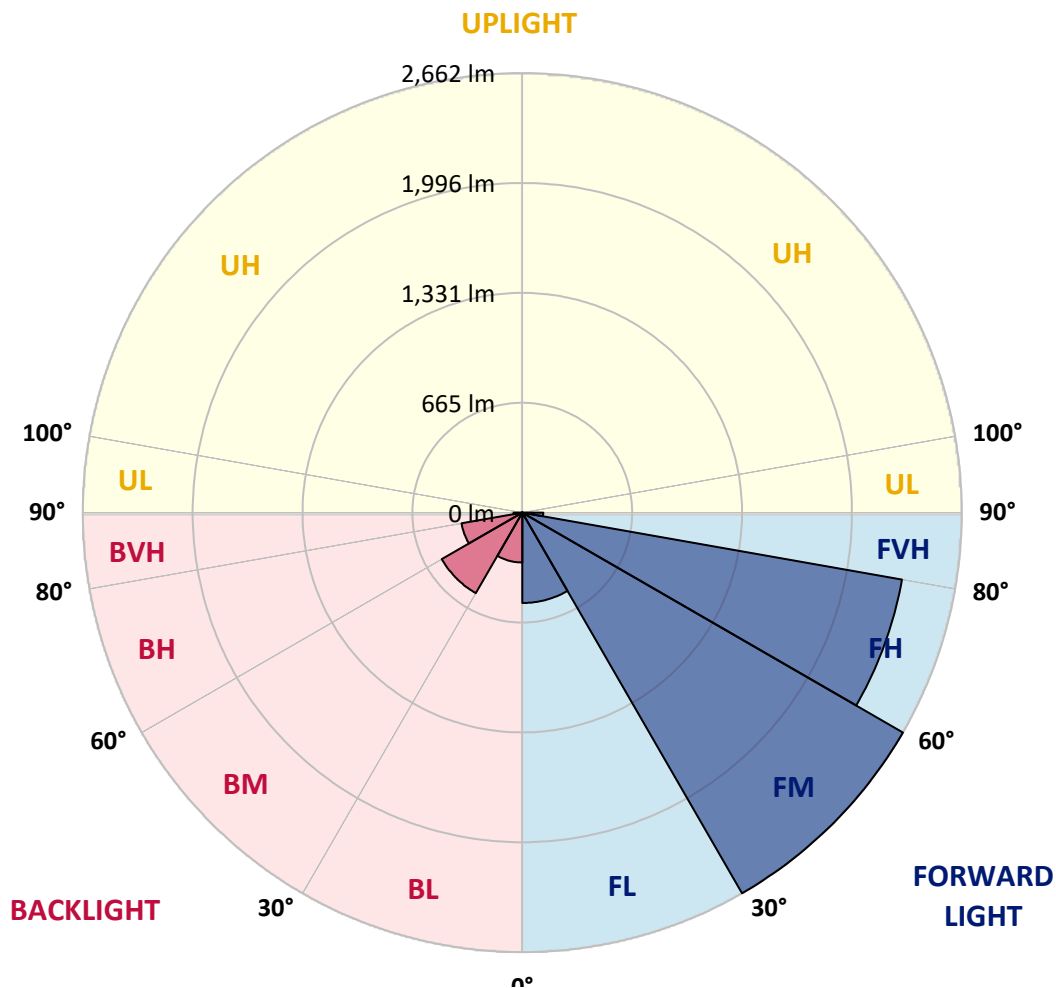
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 547.3 | 7.9 | | | |
| FM (30°-60°) | 2662.0 | 38.2 | | | |
| FH (60°-80°) | 2335.0 | 33.5 | | | G2/5000 |
| FVH (80°-90°) | 126.8 | 1.8 | | | G2/225 |
| BL (0°-30°) | 301.9 | 4.3 | B1/500 | | |
| BM (30°-60°) | 563.0 | 8.1 | B1/1000 | | |
| BH (60°-80°) | 373.7 | 5.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 53.0 | 0.8 | | | 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 III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 72° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 |
| 2.5° | 946.3 | 944.8 | 939.8 | 939.8 | 930.2 | 922.0 | 906.7 | 896.4 | 884.2 | 879.8 | 865.5 |
| 5° | 1037.8 | 1038.3 | 1032.1 | 1027.8 | 1013.6 | 996.4 | 970.2 | 946.5 | 922.8 | 913.2 | 883.7 |
| 7.5° | 1114.8 | 1113.8 | 1112.1 | 1108.6 | 1095.4 | 1077.7 | 1042.4 | 1007.1 | 972.2 | 957.8 | 907.0 |
| 10° | 1164.2 | 1166.4 | 1167.8 | 1169.5 | 1164.0 | 1151.2 | 1117.9 | 1075.0 | 1029.2 | 1009.6 | 934.8 |
| 12.5° | 1189.1 | 1192.9 | 1199.7 | 1211.2 | 1220.3 | 1218.9 | 1194.6 | 1149.1 | 1094.7 | 1070.0 | 969.5 |
| 15° | 1203.7 | 1208.8 | 1219.3 | 1240.0 | 1265.6 | 1280.2 | 1273.7 | 1232.5 | 1171.9 | 1141.5 | 1011.9 |
| 17.5° | 1212.9 | 1217.0 | 1233.2 | 1260.9 | 1298.9 | 1337.8 | 1354.8 | 1320.2 | 1259.2 | 1224.4 | 1060.7 |
| 20° | 1219.1 | 1222.2 | 1242.6 | 1274.9 | 1324.4 | 1386.2 | 1433.7 | 1425.1 | 1355.3 | 1310.2 | 1111.5 |
| 22.5° | 1233.0 | 1235.7 | 1255.0 | 1287.6 | 1342.3 | 1422.1 | 1509.7 | 1522.6 | 1456.7 | 1405.6 | 1165.9 |
| 25° | 1271.8 | 1271.8 | 1288.1 | 1310.9 | 1362.2 | 1453.3 | 1574.0 | 1631.3 | 1560.2 | 1500.8 | 1216.2 |
| 27.5° | 1346.0 | 1345.2 | 1351.2 | 1359.1 | 1397.9 | 1485.0 | 1631.3 | 1727.1 | 1667.6 | 1602.7 | 1265.1 |
| 30° | 1433.7 | 1438.5 | 1439.2 | 1435.3 | 1453.5 | 1524.5 | 1684.2 | 1828.2 | 1775.7 | 1705.8 | 1315.2 |
| 32.5° | 1546.6 | 1549.7 | 1546.1 | 1533.4 | 1530.7 | 1580.6 | 1736.2 | 1934.2 | 1892.8 | 1813.4 | 1361.0 |
| 35° | 1690.0 | 1684.0 | 1672.7 | 1646.8 | 1622.1 | 1655.7 | 1795.7 | 2040.2 | 2024.1 | 1943.6 | 1424.1 |
| 37.5° | 1843.7 | 1843.8 | 1829.9 | 1771.2 | 1737.2 | 1751.6 | 1877.7 | 2160.3 | 2183.2 | 2098.5 | 1504.9 |
| 40° | 1966.9 | 1973.3 | 1981.9 | 1904.8 | 1860.7 | 1880.6 | 1981.9 | 2299.6 | 2371.0 | 2282.2 | 1610.1 |
| 42.5° | 2053.0 | 2060.4 | 2084.8 | 2036.4 | 1990.6 | 2027.5 | 2104.7 | 2448.2 | 2582.0 | 2494.1 | 1733.4 |
| 45° | 2144.1 | 2148.1 | 2165.4 | 2144.5 | 2115.2 | 2198.5 | 2243.1 | 2602.2 | 2805.2 | 2719.9 | 1871.2 |
| 47.5° | 2239.9 | 2244.2 | 2262.0 | 2248.1 | 2232.8 | 2358.2 | 2387.4 | 2747.3 | 3019.1 | 2968.0 | 2018.4 |
| 50° | 2358.3 | 2361.3 | 2378.0 | 2352.8 | 2357.6 | 2478.5 | 2516.4 | 2880.3 | 3243.3 | 3191.0 | 2166.1 |
| 52.5° | 2519.9 | 2520.7 | 2543.9 | 2521.1 | 2498.6 | 2566.7 | 2627.4 | 3005.7 | 3419.0 | 3394.3 | 2313.7 |
| 55° | 2646.6 | 2654.2 | 2730.4 | 2725.7 | 2712.7 | 2646.7 | 2720.1 | 3125.1 | 3575.8 | 3587.5 | 2470.6 |
| 57.5° | 2565.8 | 2595.7 | 2750.1 | 2859.0 | 2964.9 | 2846.0 | 2845.5 | 3259.6 | 3721.5 | 3777.2 | 2642.9 |
| 60° | 2247.1 | 2287.9 | 2515.4 | 2756.8 | 3088.4 | 3192.6 | 3105.9 | 3423.8 | 3868.7 | 3965.1 | 2859.0 |
| 62.5° | 1604.9 | 1671.9 | 1980.2 | 2365.8 | 2919.2 | 3422.3 | 3635.7 | 3684.4 | 4068.9 | 4182.8 | 3139.6 |
| 65° | 811.3 | 862.1 | 1120.6 | 1584.9 | 2332.2 | 3272.3 | 4211.6 | 4255.0 | 4416.8 | 4518.0 | 3572.0 |
| 67.5° | 492.9 | 512.1 | 638.2 | 881.5 | 1429.9 | 2549.0 | 4399.6 | 5206.0 | 5090.0 | 5143.7 | 4188.3 |
| 70° | 363.2 | 377.4 | 456.0 | 585.4 | 822.3 | 1495.8 | 3822.7 | 5884.7 | 5808.6 | 5802.5 | 4643.8 |
| 72° | 282.9 | 293.2 | 362.7 | 473.0 | 601.3 | 897.4 | 2770.7 | 5634.2 | 6014.2 | 5984.0 | 4602.1 |
| 72.5° | 268.3 | 277.4 | 340.7 | 445.2 | 568.2 | 813.4 | 2491.2 | 5465.2 | 5999.3 | 5985.7 | 4548.2 |
| 75° | 211.2 | 217.7 | 252.2 | 344.3 | 444.7 | 461.5 | 1365.1 | 4235.4 | 5322.0 | 5543.4 | 4090.8 |
| 77.5° | 174.7 | 175.8 | 194.0 | 250.5 | 346.6 | 326.3 | 670.5 | 2938.5 | 3810.9 | 4054.3 | 2897.7 |
| 80° | 142.4 | 143.6 | 152.3 | 175.8 | 262.3 | 241.4 | 318.4 | 1689.7 | 2133.7 | 2136.4 | 1378.1 |
| 82.5° | 113.4 | 113.7 | 123.2 | 128.5 | 188.4 | 172.7 | 182.4 | 793.3 | 932.3 | 896.8 | 495.3 |
| 85° | 79.8 | 78.2 | 120.3 | 105.5 | 123.2 | 110.8 | 100.7 | 314.0 | 385.5 | 368.7 | 155.1 |
| 87.5° | 26.6 | 27.5 | 53.5 | 68.3 | 72.0 | 62.8 | 44.8 | 120.3 | 145.5 | 144.3 | 49.1 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 | 856.6 |
| 2.5° | 861.0 | 853.3 | 842.0 | 829.5 | 819.7 | 809.6 | 802.1 | 798.4 | 794.1 | 790.4 | 794.7 |
| 5° | 870.1 | 855.6 | 831.6 | 808.2 | 790.9 | 775.6 | 764.6 | 758.7 | 753.5 | 749.9 | 750.4 |
| 7.5° | 884.9 | 861.6 | 821.4 | 787.1 | 763.1 | 746.5 | 735.3 | 731.4 | 728.1 | 727.2 | 728.3 |
| 10° | 900.7 | 866.4 | 807.7 | 762.1 | 734.8 | 721.2 | 716.1 | 718.7 | 721.2 | 723.3 | 725.7 |
| 12.5° | 918.7 | 870.7 | 787.8 | 732.9 | 709.6 | 704.4 | 709.4 | 720.9 | 729.3 | 734.3 | 737.4 |
| 15° | 942.2 | 874.6 | 764.8 | 703.6 | 688.1 | 694.0 | 711.1 | 730.9 | 745.6 | 755.0 | 756.4 |
| 17.5° | 963.7 | 874.4 | 735.3 | 674.2 | 670.5 | 688.1 | 713.8 | 741.7 | 761.5 | 774.6 | 777.3 |
| 20° | 986.1 | 867.9 | 701.0 | 645.4 | 652.8 | 681.6 | 714.9 | 748.7 | 772.5 | 787.8 | 791.4 |
| 22.5° | 1006.9 | 856.6 | 663.4 | 619.2 | 637.9 | 673.0 | 710.4 | 744.7 | 768.4 | 780.8 | 784.7 |
| 25° | 1021.0 | 836.9 | 625.3 | 597.2 | 624.8 | 662.4 | 695.5 | 723.1 | 740.8 | 747.0 | 748.0 |
| 27.5° | 1028.3 | 811.3 | 589.3 | 578.0 | 611.1 | 645.2 | 667.9 | 681.6 | 686.6 | 686.1 | 685.2 |
| 30° | 1029.2 | 777.4 | 558.4 | 562.4 | 595.3 | 619.7 | 630.5 | 627.9 | 621.4 | 610.4 | 611.4 |
| 32.5° | 1026.1 | 739.4 | 532.4 | 547.6 | 575.2 | 588.8 | 589.3 | 576.6 | 559.3 | 541.8 | 537.1 |
| 35° | 1027.0 | 702.0 | 509.7 | 530.8 | 550.7 | 556.7 | 551.1 | 532.4 | 509.0 | 486.4 | 481.6 |
| 37.5° | 1037.7 | 669.3 | 490.1 | 511.4 | 523.6 | 525.0 | 517.1 | 497.5 | 480.2 | 458.1 | 456.3 |
| 40° | 1062.8 | 646.1 | 471.3 | 489.5 | 496.5 | 497.2 | 485.9 | 472.0 | 473.5 | 461.7 | 461.5 |
| 42.5° | 1108.1 | 636.1 | 454.8 | 466.8 | 471.1 | 472.5 | 463.9 | 455.0 | 467.5 | 459.8 | 457.2 |
| 45° | 1166.6 | 638.4 | 440.9 | 444.5 | 452.4 | 459.1 | 453.8 | 443.0 | 447.8 | 414.6 | 403.5 |
| 47.5° | 1234.2 | 653.8 | 429.9 | 425.3 | 439.0 | 451.7 | 443.5 | 427.2 | 410.2 | 377.1 | 370.9 |
| 50° | 1313.3 | 677.5 | 419.8 | 406.4 | 424.3 | 441.6 | 433.4 | 410.2 | 384.6 | 368.5 | 366.4 |
| 52.5° | 1395.8 | 706.5 | 409.8 | 385.5 | 405.9 | 433.9 | 429.9 | 406.4 | 374.7 | 358.9 | 356.0 |
| 55° | 1489.3 | 735.7 | 397.0 | 361.3 | 386.0 | 430.3 | 428.2 | 392.5 | 367.3 | 358.4 | 356.2 |
| 57.5° | 1605.5 | 769.1 | 380.3 | 336.1 | 367.3 | 417.4 | 410.7 | 384.0 | 359.6 | 352.9 | 352.2 |
| 60° | 1757.0 | 818.2 | 356.0 | 309.2 | 344.5 | 397.5 | 396.0 | 371.8 | 347.4 | 342.6 | 341.7 |
| 62.5° | 1984.4 | 899.6 | 322.7 | 282.4 | 319.1 | 363.7 | 376.9 | 355.3 | 334.4 | 334.2 | 334.7 |
| 65° | 2336.7 | 1021.8 | 286.5 | 258.9 | 293.5 | 335.2 | 354.6 | 338.3 | 321.3 | 326.1 | 326.8 |
| 67.5° | 2745.3 | 1123.2 | 251.0 | 235.9 | 267.4 | 308.0 | 334.4 | 321.3 | 303.8 | 316.2 | 316.5 |
| 70° | 2881.2 | 1032.6 | 219.8 | 213.1 | 240.2 | 281.9 | 312.6 | 302.6 | 284.8 | 297.3 | 296.1 |
| 72° | 2681.3 | 833.6 | 199.7 | 195.9 | 219.8 | 260.4 | 293.2 | 285.0 | 267.5 | 275.9 | 272.8 |
| 72.5° | 2618.3 | 794.7 | 194.6 | 191.5 | 214.4 | 254.9 | 288.2 | 280.8 | 263.2 | 270.5 | 267.5 |
| 75° | 2335.6 | 690.3 | 167.3 | 168.1 | 187.0 | 228.0 | 259.8 | 257.5 | 239.5 | 240.2 | 239.3 |
| 77.5° | 1694.0 | 506.1 | 141.0 | 145.8 | 159.2 | 200.5 | 231.4 | 229.9 | 210.2 | 206.7 | 205.9 |
| 80° | 786.1 | 258.2 | 114.8 | 117.0 | 130.9 | 167.6 | 197.3 | 195.4 | 179.6 | 175.0 | 172.4 |
| 82.5° | 269.2 | 122.8 | 86.3 | 87.7 | 101.5 | 135.0 | 171.2 | 169.9 | 156.8 | 148.0 | 142.4 |
| 85° | 96.1 | 61.2 | 60.4 | 59.0 | 72.4 | 106.2 | 149.1 | 142.7 | 123.2 | 105.0 | 104.6 |
| 87.5° | 31.2 | 26.1 | 31.2 | 30.9 | 42.2 | 72.0 | 108.4 | 92.3 | 89.4 | 74.3 | 72.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982

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