

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: P385755

Luminaire Tested: **GWC-SA1B-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-750-U-T3
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6105 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

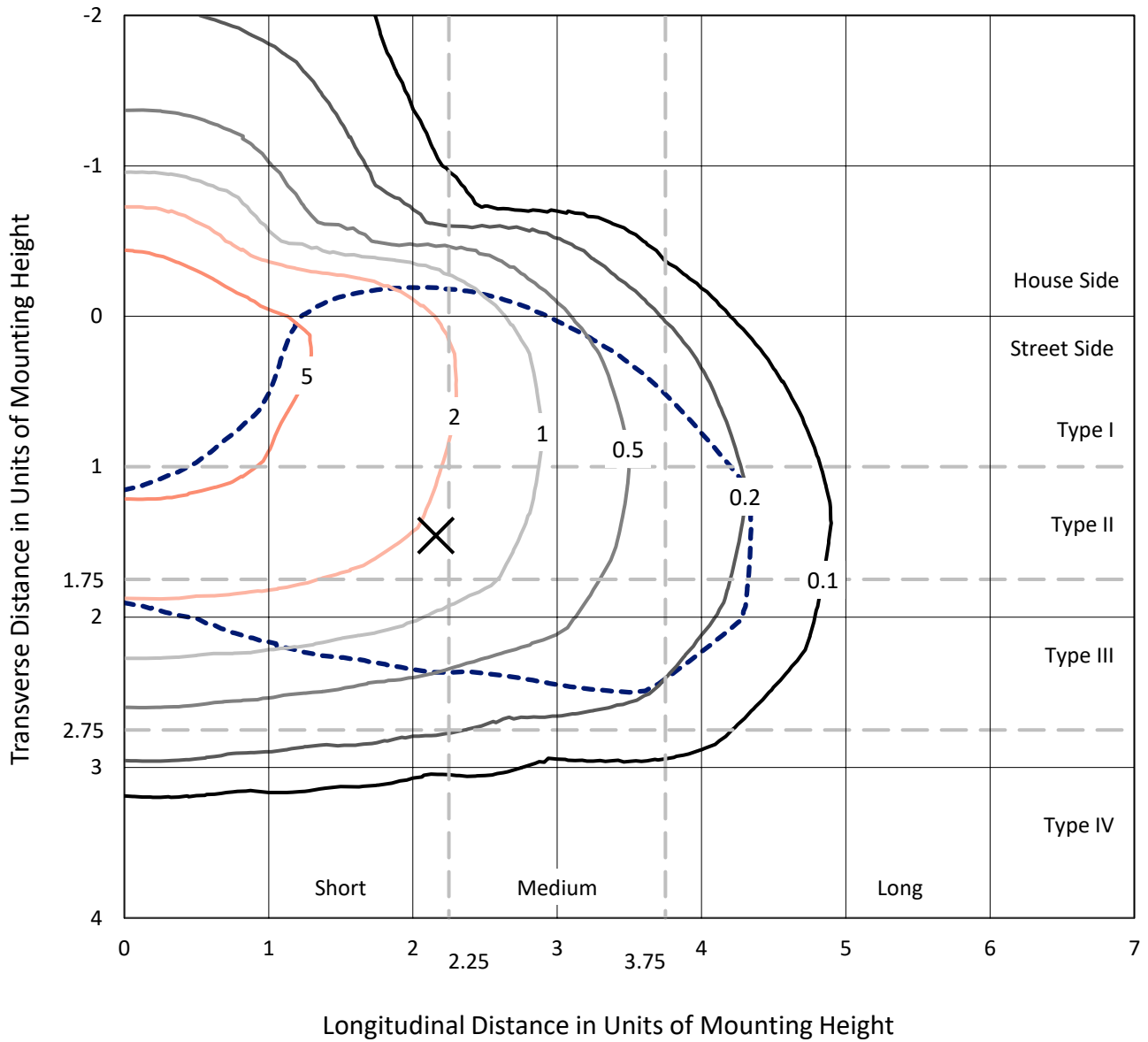
Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P385755
 CATALOG NUMBER: GWC-SA1B-750-U-T3

Iso-Footcandle Lines of Horizontal Illumination

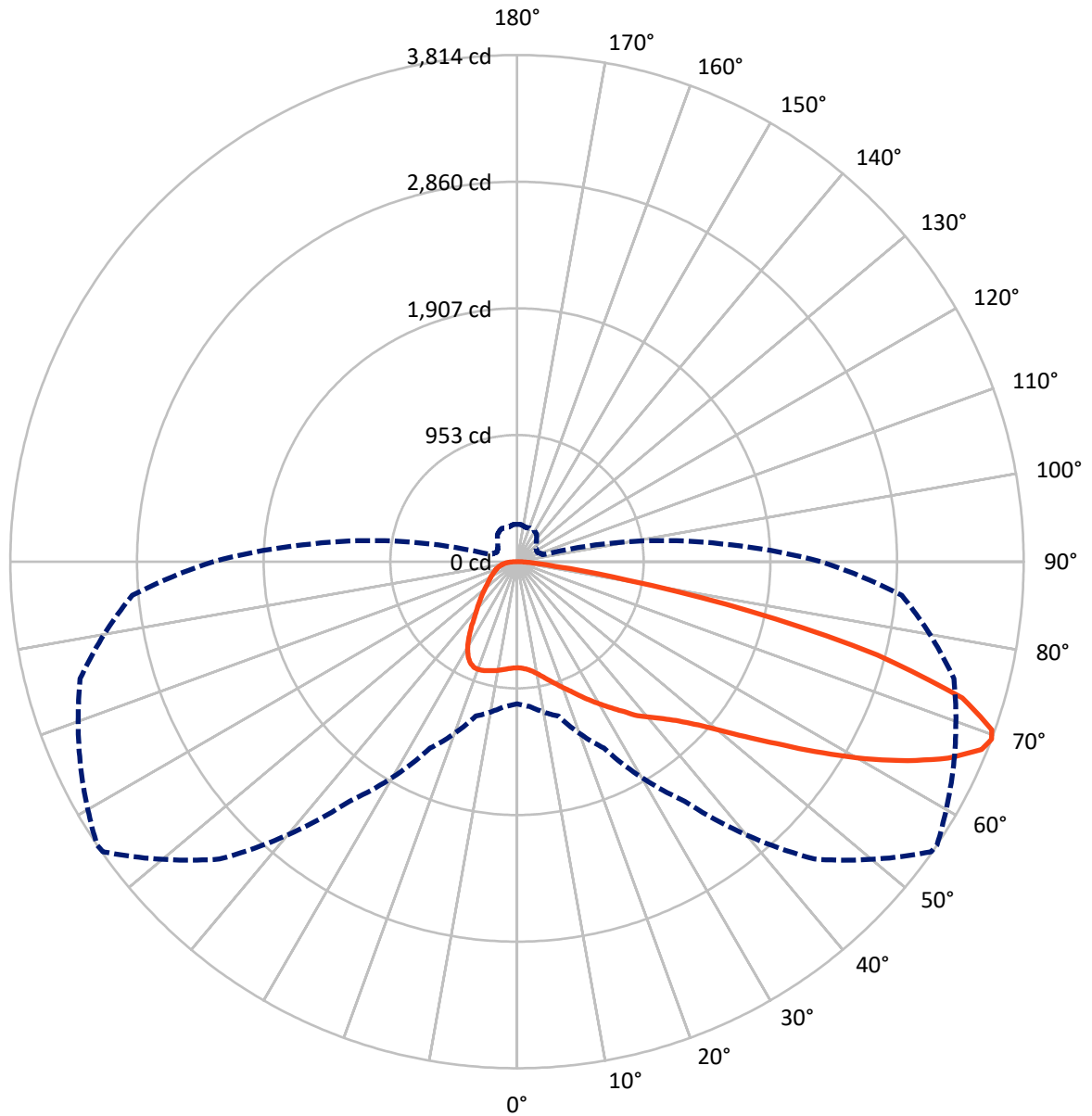
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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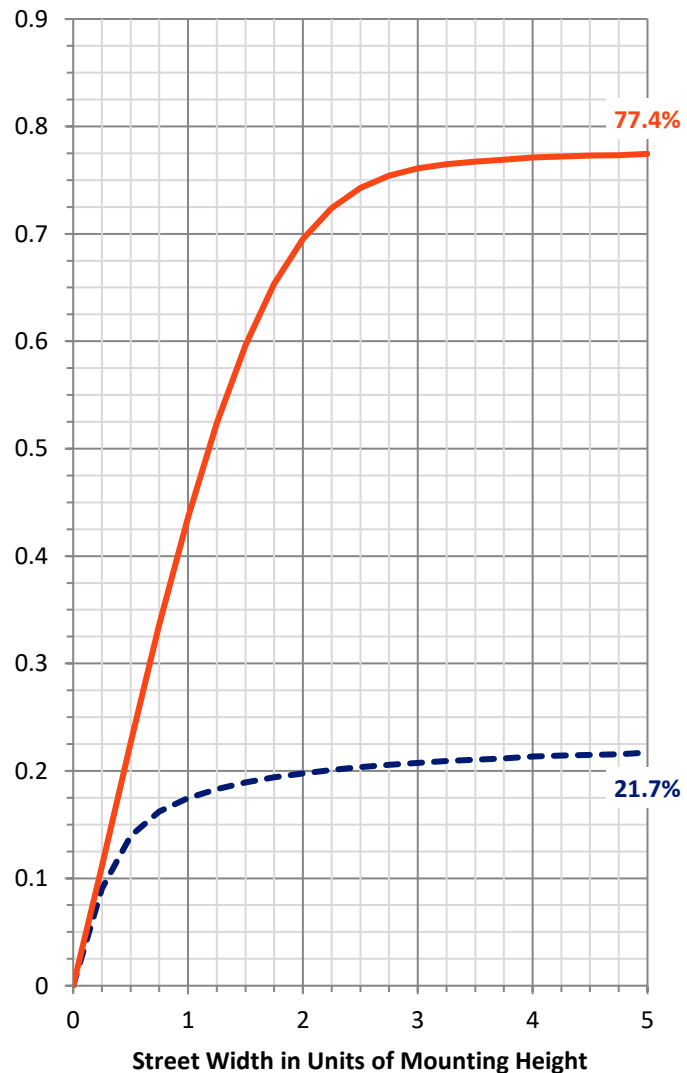
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1359.6 | 0.0 | 1359.6 |
| | % Fixture | 22.3 | 0.0 | 22.3 |
| Street Side | Lumens | 4745.4 | 0.0 | 4745.4 |
| | % Fixture | 77.7 | 0.0 | 77.7 |
| Total | Lumens | 6105.0 | 0.0 | 6105.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.4 | 1.3 |
| 10°-20° | 252.1 | 4.1 |
| 20°-30° | 440.0 | 7.2 |
| 30°-40° | 632.1 | 10.4 |
| 40°-50° | 874.8 | 14.3 |
| 50°-60° | 1281.6 | 21.0 |
| 60°-70° | 1562.5 | 25.6 |
| 70°-80° | 863.9 | 14.2 |
| 80°-90° | 119.6 | 2.0 |
| 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° | 6105.0 | 100.0 |
| 0°-180° | 6105.0 | 100.0 |



REPORT NUMBER: P385755

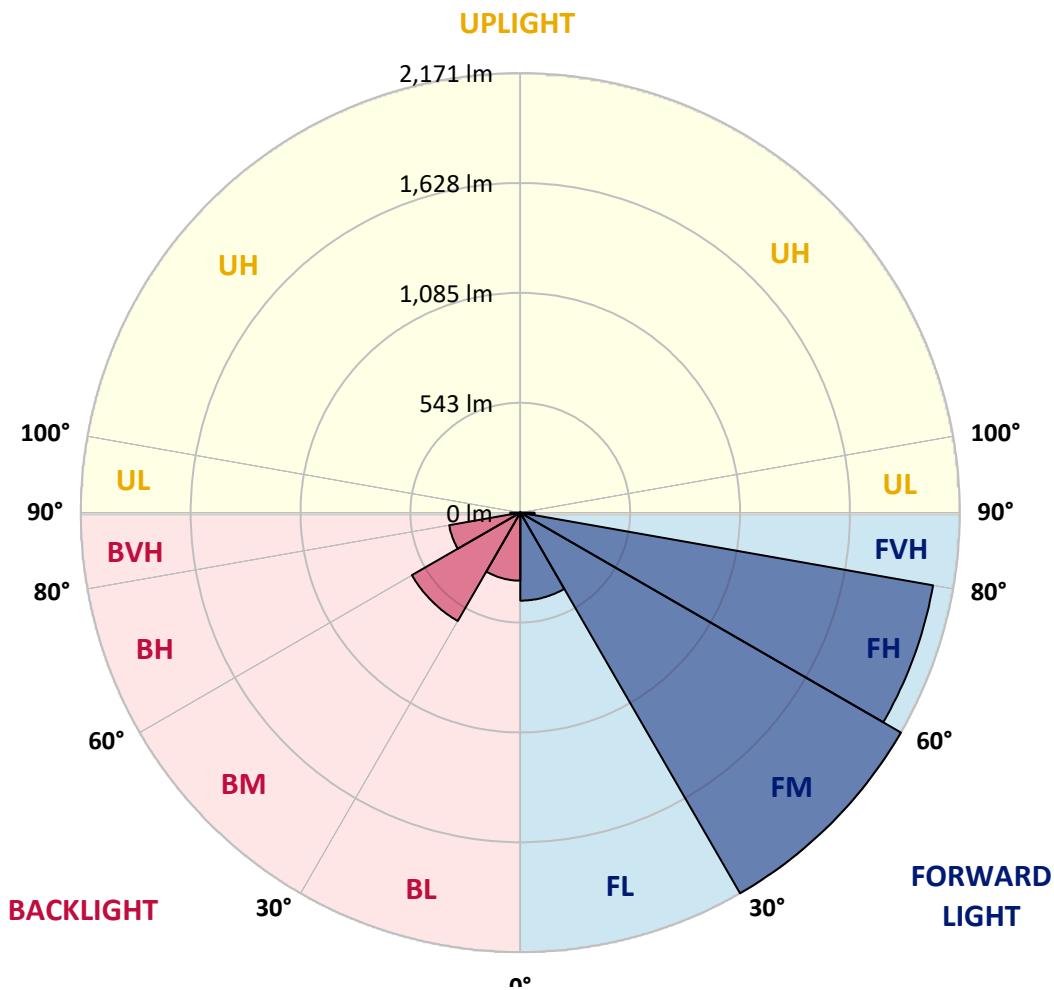
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 434.5 | 7.1 | | | |
| FM (30°-60°) | 2170.6 | 35.6 | | | |
| FH (60°-80°) | 2069.9 | 33.9 | | | G2/5000 |
| FVH (80°-90°) | 70.5 | 1.2 | | | G1/100 |
| BL (0°-30°) | 336.0 | 5.5 | B1/500 | | |
| BM (30°-60°) | 617.9 | 10.1 | B1/1000 | | |
| BH (60°-80°) | 356.5 | 5.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 49.2 | 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 Short





REPORT NUMBER: P385755

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 |
| 2.5° | 803.2 | 804.0 | 803.4 | 805.1 | 803.2 | 804.4 | 803.4 | 803.4 | 802.8 | 800.9 | 798.8 |
| 5° | 815.8 | 817.5 | 816.4 | 818.1 | 815.8 | 816.2 | 814.3 | 814.3 | 812.4 | 808.4 | 804.2 |
| 7.5° | 835.6 | 837.5 | 836.6 | 838.3 | 835.2 | 835.2 | 832.6 | 832.6 | 828.6 | 822.1 | 817.3 |
| 10° | 859.1 | 861.7 | 860.8 | 863.3 | 860.8 | 861.7 | 859.1 | 859.1 | 854.1 | 844.8 | 838.7 |
| 12.5° | 893.4 | 896.6 | 894.2 | 894.0 | 893.0 | 894.7 | 892.6 | 892.6 | 887.5 | 874.9 | 866.5 |
| 15° | 939.3 | 942.6 | 937.8 | 937.4 | 931.5 | 930.8 | 930.8 | 930.8 | 927.3 | 912.1 | 898.2 |
| 17.5° | 992.0 | 993.1 | 988.9 | 982.2 | 974.6 | 969.8 | 969.1 | 969.1 | 970.8 | 970.8 | 953.1 |
| 20° | 1043.8 | 1045.7 | 1042.3 | 1034.7 | 1025.1 | 1017.9 | 1012.9 | 1012.9 | 1016.2 | 1016.0 | 995.0 |
| 22.5° | 1100.1 | 1104.6 | 1099.5 | 1089.8 | 1078.5 | 1070.5 | 1061.7 | 1061.7 | 1064.6 | 1064.8 | 1038.9 |
| 25° | 1173.1 | 1169.1 | 1166.0 | 1152.3 | 1136.1 | 1127.9 | 1119.7 | 1119.7 | 1122.6 | 1121.8 | 1086.3 |
| 27.5° | 1237.7 | 1238.5 | 1234.3 | 1219.8 | 1201.1 | 1183.0 | 1182.6 | 1182.6 | 1184.5 | 1181.3 | 1135.5 |
| 30° | 1312.8 | 1313.2 | 1307.3 | 1294.3 | 1273.9 | 1250.5 | 1245.1 | 1245.1 | 1248.2 | 1241.5 | 1182.2 |
| 32.5° | 1387.4 | 1389.5 | 1383.0 | 1367.2 | 1350.8 | 1322.4 | 1311.5 | 1311.5 | 1313.6 | 1296.8 | 1229.9 |
| 35° | 1452.8 | 1455.8 | 1453.7 | 1443.2 | 1425.3 | 1400.9 | 1387.9 | 1387.9 | 1386.6 | 1365.8 | 1288.4 |
| 37.5° | 1519.5 | 1522.2 | 1519.9 | 1511.1 | 1503.9 | 1478.1 | 1471.1 | 1471.1 | 1471.1 | 1435.0 | 1348.1 |
| 40° | 1588.1 | 1592.3 | 1589.5 | 1577.3 | 1571.2 | 1559.5 | 1542.9 | 1542.9 | 1538.9 | 1499.7 | 1419.8 |
| 42.5° | 1651.8 | 1657.3 | 1668.2 | 1661.1 | 1648.6 | 1650.3 | 1616.9 | 1616.9 | 1614.8 | 1586.2 | 1525.8 |
| 45° | 1742.2 | 1750.2 | 1768.7 | 1763.3 | 1760.7 | 1751.5 | 1711.7 | 1711.7 | 1709.8 | 1698.9 | 1668.4 |
| 47.5° | 1840.9 | 1851.8 | 1885.2 | 1886.3 | 1913.4 | 1896.0 | 1841.9 | 1841.9 | 1835.4 | 1837.9 | 1839.2 |
| 50° | 1931.7 | 1943.7 | 1998.6 | 2024.5 | 2088.4 | 2092.2 | 2005.8 | 2005.8 | 1999.9 | 2009.7 | 2038.8 |
| 52.5° | 2004.3 | 2019.4 | 2088.0 | 2167.9 | 2277.5 | 2308.6 | 2207.4 | 2207.4 | 2203.0 | 2210.4 | 2260.4 |
| 55° | 2057.5 | 2073.9 | 2148.6 | 2294.1 | 2469.1 | 2524.0 | 2439.6 | 2439.6 | 2435.4 | 2440.0 | 2503.8 |
| 57.5° | 2069.9 | 2073.9 | 2182.2 | 2379.1 | 2630.8 | 2762.7 | 2723.8 | 2723.8 | 2715.3 | 2692.6 | 2748.2 |
| 60° | 2011.6 | 2027.6 | 2154.4 | 2408.9 | 2755.9 | 2998.0 | 3020.7 | 3020.7 | 3010.2 | 2946.5 | 2991.9 |
| 62.5° | 1893.4 | 1922.0 | 2050.8 | 2363.5 | 2804.9 | 3190.2 | 3312.0 | 3312.0 | 3299.4 | 3189.6 | 3219.0 |
| 65° | 1700.4 | 1712.6 | 1847.8 | 2206.8 | 2742.7 | 3313.3 | 3571.7 | 3571.7 | 3565.4 | 3427.3 | 3381.2 |
| 67.5° | 1355.0 | 1378.0 | 1492.8 | 1879.4 | 2488.0 | 3298.8 | 3772.6 | 3772.6 | 3772.0 | 3582.5 | 3441.3 |
| 69° | 1070.5 | 1094.3 | 1203.6 | 1548.1 | 2201.6 | 3166.0 | 3806.2 | 3806.2 | 3813.6 | 3626.2 | 3404.8 |
| 70° | 853.4 | 881.0 | 956.1 | 1303.9 | 1947.3 | 2991.1 | 3778.3 | 3778.3 | 3791.5 | 3617.8 | 3344.4 |
| 72.5° | 363.2 | 385.5 | 438.9 | 672.2 | 1186.8 | 2233.5 | 3454.6 | 3454.6 | 3504.7 | 3422.8 | 3060.9 |
| 75° | 158.6 | 165.5 | 189.7 | 274.0 | 526.8 | 1215.6 | 2706.3 | 2706.3 | 2798.8 | 2926.7 | 2587.3 |
| 77.5° | 116.1 | 119.0 | 132.3 | 160.9 | 236.4 | 459.1 | 1740.3 | 1740.3 | 1794.2 | 2110.7 | 1882.7 |
| 80° | 89.8 | 91.9 | 102.2 | 118.2 | 154.4 | 185.7 | 793.7 | 793.7 | 840.0 | 1186.8 | 967.0 |
| 82.5° | 71.5 | 73.0 | 80.1 | 87.1 | 106.6 | 112.5 | 263.5 | 263.5 | 292.3 | 438.1 | 267.1 |
| 85° | 66.5 | 68.1 | 70.7 | 63.5 | 68.4 | 66.0 | 114.0 | 114.0 | 119.2 | 132.3 | 104.9 |
| 87.5° | 30.1 | 35.5 | 70.0 | 49.4 | 36.4 | 29.0 | 46.7 | 46.7 | 48.8 | 54.9 | 55.1 |
| 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° | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 | 798.1 |
| 2.5° | 800.0 | 799.4 | 800.5 | 797.9 | 801.1 | 800.9 | 799.8 | 800.2 | 802.3 | 802.1 | 802.3 |
| 5° | 804.9 | 804.4 | 805.7 | 803.8 | 807.6 | 808.9 | 809.1 | 811.0 | 813.3 | 813.9 | 813.9 |
| 7.5° | 817.1 | 817.1 | 817.7 | 815.2 | 817.7 | 817.5 | 816.4 | 818.3 | 820.6 | 820.9 | 820.6 |
| 10° | 838.1 | 838.3 | 837.3 | 830.7 | 828.6 | 823.0 | 817.7 | 817.9 | 820.9 | 823.2 | 823.8 |
| 12.5° | 864.6 | 863.8 | 859.1 | 847.1 | 838.3 | 826.7 | 821.3 | 821.1 | 824.0 | 825.9 | 826.5 |
| 15° | 894.9 | 892.6 | 880.6 | 861.0 | 845.5 | 834.1 | 825.3 | 823.2 | 821.5 | 819.4 | 819.6 |
| 17.5° | 923.5 | 918.2 | 898.2 | 871.1 | 854.7 | 839.6 | 822.5 | 808.9 | 799.4 | 793.9 | 792.2 |
| 20° | 952.5 | 942.2 | 913.4 | 880.6 | 859.8 | 832.2 | 799.4 | 771.6 | 754.4 | 746.4 | 744.9 |
| 22.5° | 979.0 | 962.4 | 927.5 | 890.5 | 855.8 | 807.4 | 755.9 | 715.5 | 691.5 | 680.8 | 681.6 |
| 25° | 1004.9 | 981.7 | 942.2 | 897.4 | 835.6 | 763.6 | 695.3 | 645.7 | 617.9 | 605.9 | 605.5 |
| 27.5° | 1027.6 | 1001.3 | 958.2 | 891.7 | 797.9 | 701.4 | 623.6 | 575.2 | 552.1 | 541.8 | 540.1 |
| 30° | 1053.7 | 1025.9 | 979.4 | 870.1 | 742.8 | 629.5 | 553.5 | 519.5 | 503.1 | 492.8 | 490.9 |
| 32.5° | 1085.4 | 1059.3 | 996.9 | 830.7 | 672.4 | 554.4 | 498.9 | 475.1 | 460.2 | 448.6 | 446.5 |
| 35° | 1131.7 | 1103.5 | 1001.3 | 774.4 | 595.0 | 495.1 | 458.7 | 434.3 | 414.1 | 399.2 | 397.7 |
| 37.5° | 1189.7 | 1158.8 | 991.2 | 701.4 | 519.9 | 456.6 | 425.3 | 395.2 | 368.9 | 347.9 | 344.5 |
| 40° | 1273.4 | 1226.8 | 963.2 | 617.3 | 464.6 | 426.9 | 392.7 | 358.4 | 325.8 | 301.2 | 296.3 |
| 42.5° | 1374.0 | 1306.5 | 920.3 | 533.6 | 424.0 | 396.9 | 360.3 | 317.8 | 286.7 | 269.2 | 266.7 |
| 45° | 1501.8 | 1389.3 | 860.8 | 460.4 | 384.0 | 366.8 | 325.4 | 286.2 | 266.9 | 254.1 | 252.0 |
| 47.5° | 1647.8 | 1482.3 | 798.3 | 400.9 | 350.2 | 338.6 | 297.4 | 272.1 | 256.8 | 246.7 | 244.8 |
| 50° | 1827.2 | 1587.2 | 732.1 | 352.1 | 316.1 | 304.7 | 284.1 | 264.4 | 252.2 | 244.4 | 242.5 |
| 52.5° | 2029.5 | 1705.6 | 684.4 | 313.6 | 287.9 | 279.7 | 277.2 | 260.2 | 250.3 | 244.4 | 242.5 |
| 55° | 2247.4 | 1826.1 | 632.8 | 281.2 | 263.5 | 265.8 | 272.6 | 260.6 | 253.8 | 246.7 | 244.0 |
| 57.5° | 2465.5 | 1950.7 | 575.4 | 253.8 | 244.2 | 255.5 | 269.4 | 261.4 | 255.7 | 248.8 | 246.3 |
| 60° | 2638.0 | 2029.5 | 486.5 | 230.9 | 228.8 | 244.2 | 261.8 | 255.1 | 247.7 | 248.0 | 247.5 |
| 62.5° | 2718.5 | 2025.3 | 388.2 | 210.5 | 213.5 | 228.8 | 249.6 | 245.2 | 239.1 | 247.3 | 248.0 |
| 65° | 2673.3 | 1924.4 | 302.2 | 192.0 | 197.1 | 212.8 | 237.0 | 240.4 | 242.5 | 258.3 | 260.4 |
| 67.5° | 2483.6 | 1727.9 | 234.1 | 175.8 | 182.1 | 201.9 | 238.3 | 261.8 | 264.6 | 281.2 | 281.0 |
| 69° | 2287.4 | 1543.7 | 203.4 | 167.4 | 174.8 | 204.6 | 254.7 | 275.5 | 265.2 | 282.9 | 280.3 |
| 70° | 2122.9 | 1397.9 | 187.0 | 161.7 | 171.4 | 209.5 | 265.6 | 275.3 | 262.0 | 277.2 | 273.0 |
| 72.5° | 1635.0 | 1005.7 | 158.6 | 151.2 | 160.0 | 200.4 | 268.8 | 269.2 | 254.7 | 257.6 | 250.5 |
| 75° | 1121.4 | 635.6 | 138.4 | 136.9 | 142.8 | 180.7 | 258.7 | 257.2 | 235.6 | 231.3 | 225.5 |
| 77.5° | 618.3 | 322.8 | 117.6 | 123.2 | 127.2 | 160.0 | 235.1 | 233.0 | 215.1 | 206.3 | 204.2 |
| 80° | 238.5 | 141.3 | 99.3 | 109.6 | 112.1 | 138.6 | 206.1 | 204.2 | 189.3 | 177.9 | 174.8 |
| 82.5° | 90.0 | 74.0 | 82.0 | 94.9 | 94.0 | 114.4 | 174.6 | 173.5 | 159.0 | 142.4 | 137.3 |
| 85° | 41.6 | 44.4 | 65.0 | 78.2 | 72.1 | 84.8 | 139.6 | 141.5 | 123.9 | 104.1 | 104.1 |
| 87.5° | 17.7 | 24.8 | 46.1 | 59.1 | 48.6 | 57.2 | 102.4 | 97.8 | 89.8 | 62.3 | 58.5 |
| 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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