

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: P385628

Luminaire Tested: **GWC-SA1B-722-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-722-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2200K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3716 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

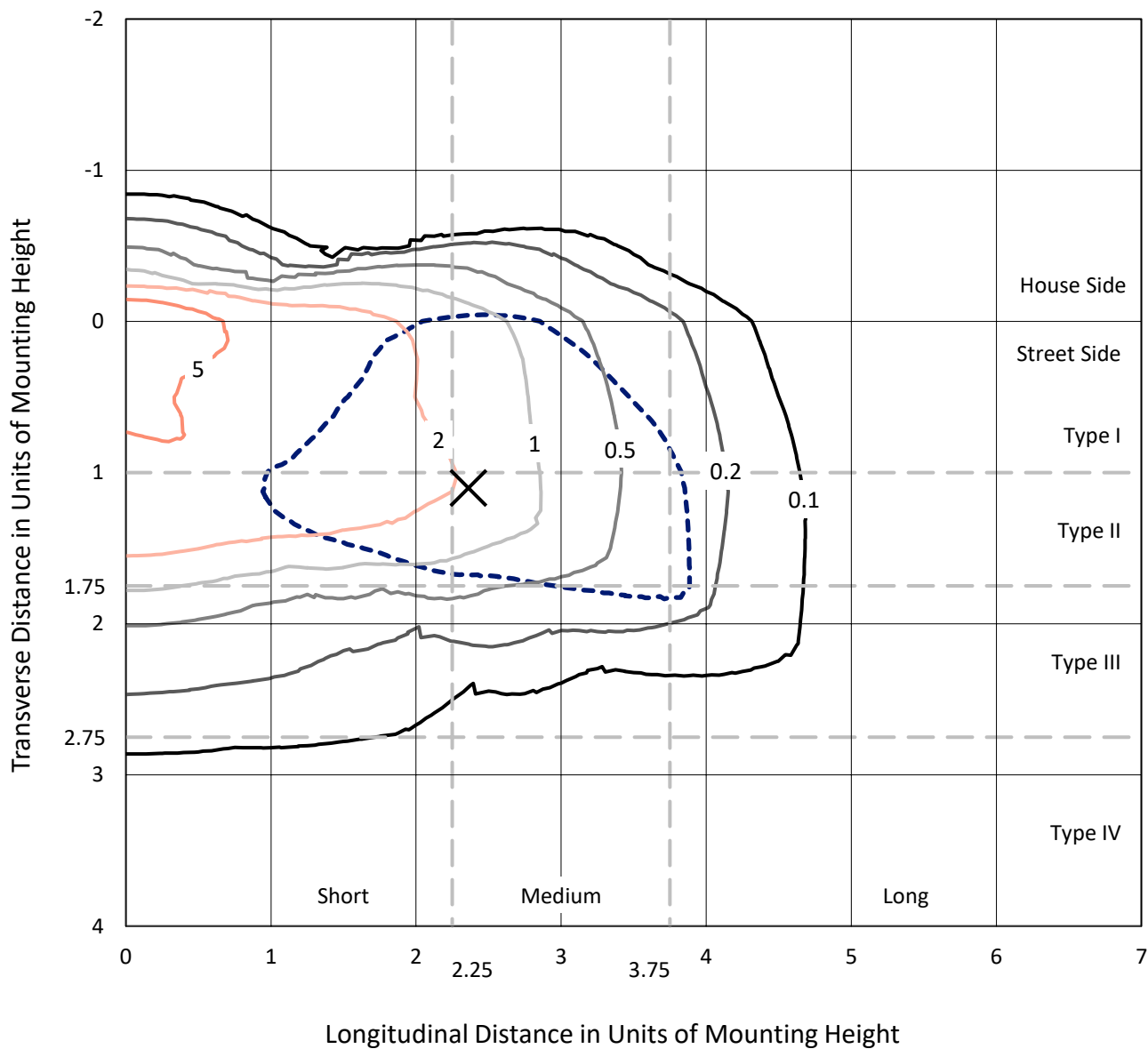
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

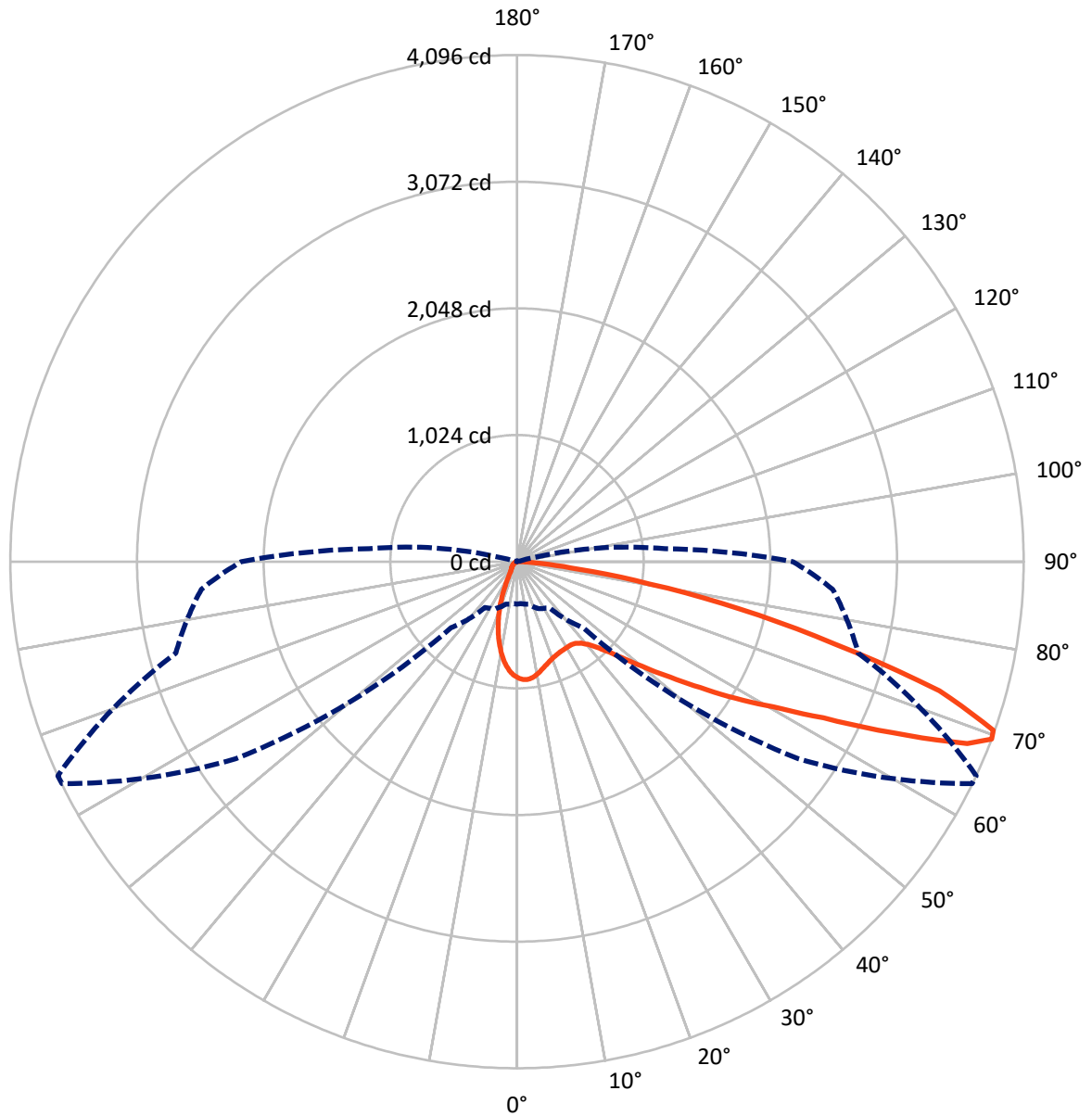
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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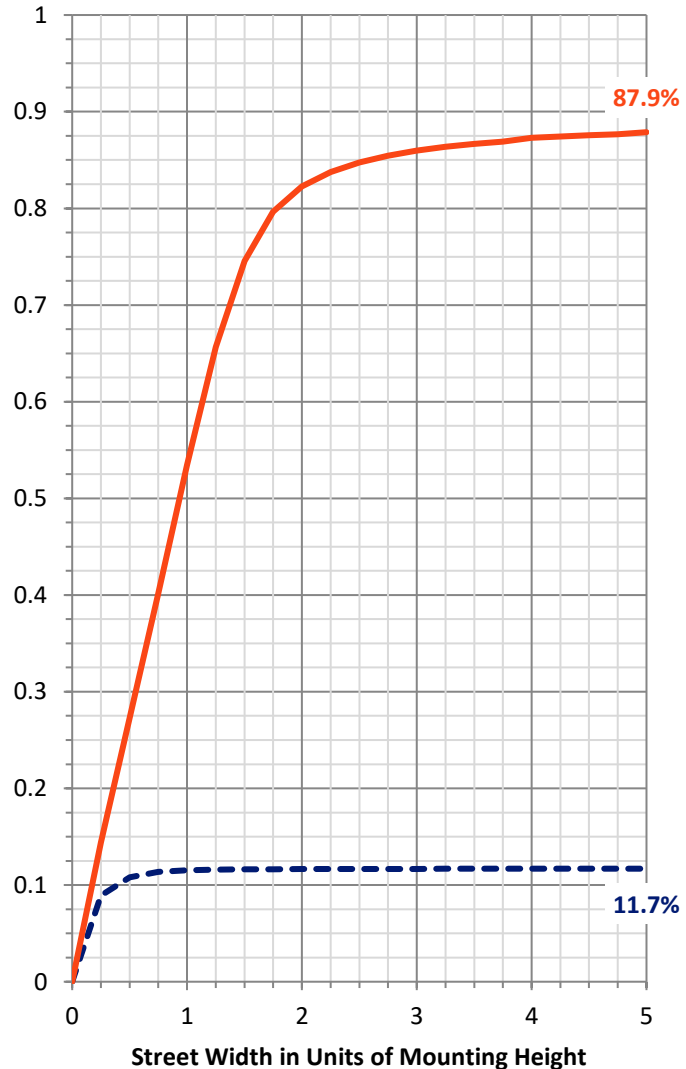
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 438.0 | 0.0 | 438.0 |
| | % Fixture | 11.8 | 0.0 | 11.8 |
| Street Side | Lumens | 3278.0 | 0.0 | 3278.0 |
| | % Fixture | 88.2 | 0.0 | 88.2 |
| Total | Lumens | 3716.0 | 0.0 | 3716.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.5 | 2.1 |
| 10°-20° | 171.9 | 4.6 |
| 20°-30° | 238.1 | 6.4 |
| 30°-40° | 331.9 | 8.9 |
| 40°-50° | 516.0 | 13.9 |
| 50°-60° | 828.3 | 22.3 |
| 60°-70° | 937.0 | 25.2 |
| 70°-80° | 550.3 | 14.8 |
| 80°-90° | 64.0 | 1.7 |
| 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° | 3716.0 | 100.0 |
| 0°-180° | 3716.0 | 100.0 |

Coefficient of Utilization



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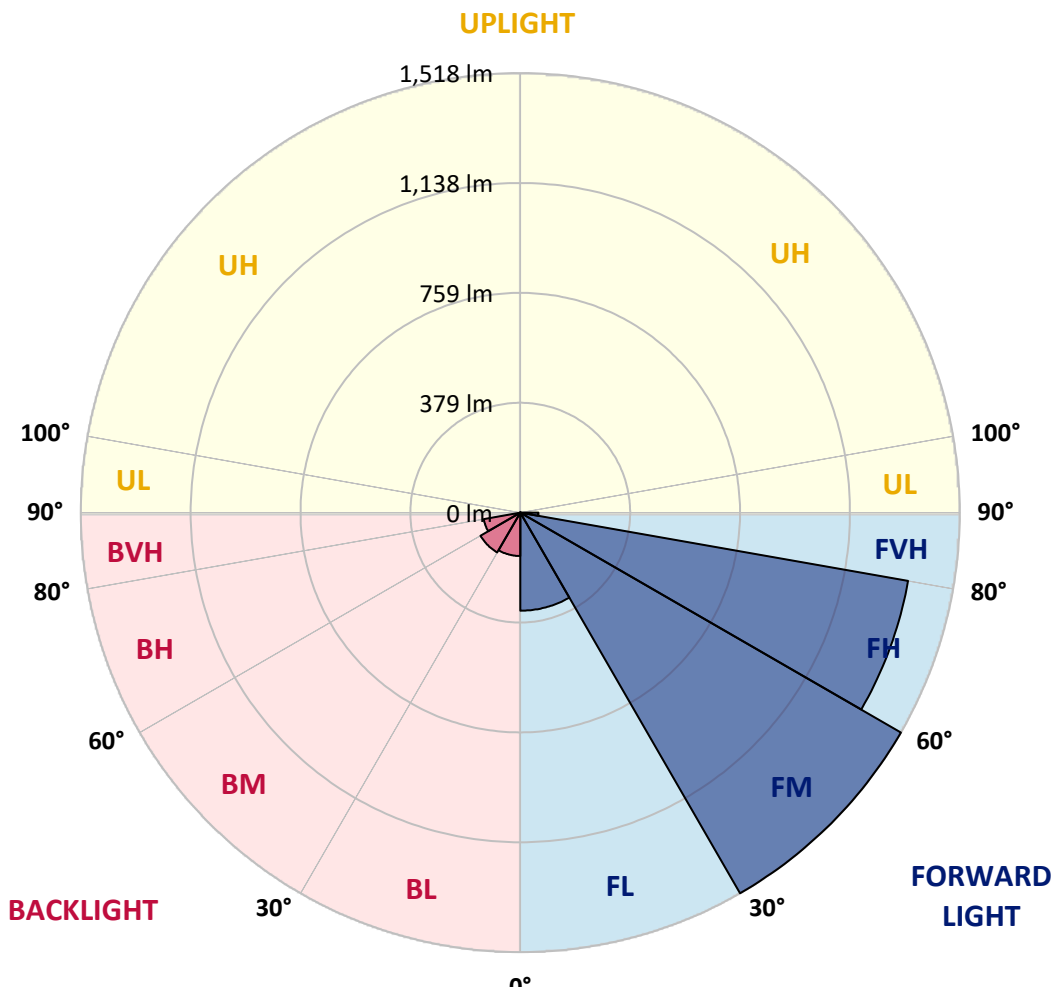
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 338.6 | 9.1 | | | |
| FM (30°-60°) | 1517.5 | 40.8 | | | |
| FH (60°-80°) | 1359.3 | 36.6 | | | G1/1800 |
| FVH (80°-90°) | 62.6 | 1.7 | | | G1/100 |
| BL (0°-30°) | 149.9 | 4.0 | B1/500 | | |
| BM (30°-60°) | 158.7 | 4.3 | B0/220 | | |
| BH (60°-80°) | 128.0 | 3.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.4 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 |
| 2.5° | 947.4 | 945.0 | 946.9 | 951.0 | 953.0 | 953.0 | 954.6 | 952.7 | 953.3 | 948.8 | 942.2 |
| 5° | 888.1 | 884.5 | 889.7 | 901.1 | 915.3 | 927.4 | 945.3 | 954.8 | 955.7 | 955.9 | 948.2 |
| 7.5° | 824.3 | 821.0 | 828.7 | 842.2 | 860.4 | 882.9 | 914.2 | 941.6 | 943.1 | 957.9 | 952.2 |
| 10° | 772.4 | 770.0 | 779.0 | 793.4 | 814.8 | 840.0 | 878.3 | 916.4 | 921.0 | 953.7 | 951.6 |
| 12.5° | 731.2 | 729.3 | 737.8 | 754.4 | 776.3 | 804.1 | 844.2 | 888.4 | 894.5 | 944.1 | 948.5 |
| 15° | 701.1 | 700.8 | 707.9 | 723.9 | 748.1 | 774.1 | 815.1 | 862.5 | 869.5 | 933.7 | 948.0 |
| 17.5° | 685.4 | 685.9 | 691.1 | 704.8 | 725.5 | 751.3 | 790.6 | 840.6 | 848.3 | 924.4 | 950.4 |
| 20° | 683.8 | 684.3 | 687.1 | 694.8 | 711.7 | 734.5 | 770.6 | 822.2 | 830.2 | 917.5 | 954.1 |
| 22.5° | 697.7 | 697.4 | 698.1 | 697.4 | 706.8 | 724.1 | 757.4 | 808.1 | 817.3 | 912.9 | 957.1 |
| 25° | 724.2 | 723.8 | 723.5 | 717.6 | 711.4 | 720.6 | 751.9 | 800.0 | 808.8 | 909.6 | 958.9 |
| 27.5° | 761.2 | 760.9 | 760.4 | 750.8 | 732.0 | 726.1 | 752.6 | 797.1 | 804.4 | 907.0 | 958.5 |
| 30° | 809.8 | 812.0 | 811.4 | 798.0 | 768.6 | 743.0 | 759.2 | 795.5 | 801.9 | 901.8 | 955.2 |
| 32.5° | 866.9 | 871.3 | 874.7 | 860.4 | 823.6 | 776.3 | 774.4 | 797.2 | 801.9 | 897.8 | 949.3 |
| 35° | 926.1 | 931.8 | 944.5 | 939.5 | 891.1 | 826.5 | 800.7 | 807.6 | 811.5 | 900.0 | 946.4 |
| 37.5° | 984.5 | 991.2 | 1018.9 | 1033.5 | 979.5 | 892.8 | 841.6 | 833.2 | 835.3 | 913.4 | 949.6 |
| 40° | 1052.3 | 1062.5 | 1104.5 | 1128.0 | 1085.0 | 981.7 | 902.7 | 877.2 | 878.0 | 942.8 | 964.2 |
| 42.5° | 1141.3 | 1151.8 | 1197.2 | 1234.2 | 1203.8 | 1093.9 | 985.7 | 944.5 | 943.8 | 997.8 | 998.6 |
| 45° | 1249.7 | 1260.8 | 1307.8 | 1348.8 | 1335.1 | 1226.9 | 1092.0 | 1042.8 | 1041.9 | 1084.6 | 1063.9 |
| 47.5° | 1372.7 | 1383.6 | 1425.5 | 1467.8 | 1482.6 | 1382.3 | 1227.4 | 1176.9 | 1174.7 | 1205.2 | 1164.7 |
| 50° | 1478.2 | 1485.3 | 1524.0 | 1580.9 | 1647.6 | 1573.2 | 1395.8 | 1347.2 | 1344.9 | 1365.5 | 1312.6 |
| 52.5° | 1516.6 | 1520.7 | 1560.0 | 1639.7 | 1806.1 | 1831.7 | 1617.1 | 1554.5 | 1552.7 | 1561.7 | 1509.7 |
| 55° | 1438.9 | 1446.3 | 1494.6 | 1612.8 | 1891.9 | 2123.8 | 1896.3 | 1811.1 | 1798.0 | 1778.7 | 1715.7 |
| 57.5° | 1227.3 | 1239.1 | 1290.9 | 1448.2 | 1851.8 | 2355.6 | 2306.7 | 2101.4 | 2082.2 | 1963.9 | 1883.1 |
| 60° | 919.5 | 934.0 | 977.1 | 1146.8 | 1637.8 | 2438.2 | 2755.2 | 2424.8 | 2381.6 | 2111.4 | 2037.0 |
| 62.5° | 631.0 | 638.2 | 667.5 | 778.0 | 1206.2 | 2302.9 | 3130.3 | 2858.0 | 2779.1 | 2271.8 | 2203.6 |
| 65° | 481.9 | 484.5 | 496.4 | 534.5 | 718.3 | 1870.7 | 3279.6 | 3429.6 | 3334.1 | 2463.6 | 2376.4 |
| 67.5° | 388.4 | 386.3 | 402.8 | 457.3 | 481.0 | 1141.3 | 3105.5 | 3970.3 | 3925.7 | 2720.1 | 2550.3 |
| 69° | 342.5 | 339.6 | 356.5 | 419.7 | 451.8 | 754.4 | 2776.2 | 4093.1 | 4096.0 | 2855.5 | 2562.2 |
| 70° | 308.2 | 310.1 | 326.7 | 397.3 | 441.8 | 592.2 | 2461.8 | 4061.8 | 4084.2 | 2906.1 | 2490.5 |
| 72.5° | 205.8 | 210.9 | 244.4 | 329.9 | 424.9 | 448.1 | 1486.4 | 3485.5 | 3571.4 | 2792.1 | 2136.7 |
| 75° | 116.0 | 119.8 | 159.6 | 248.8 | 400.3 | 426.8 | 785.1 | 2567.9 | 2650.9 | 2334.9 | 1647.7 |
| 77.5° | 56.9 | 59.0 | 90.3 | 160.5 | 334.8 | 406.6 | 445.3 | 1744.3 | 1839.1 | 1524.0 | 932.0 |
| 80° | 24.1 | 25.2 | 45.1 | 99.1 | 239.3 | 388.1 | 330.7 | 1073.5 | 1085.3 | 597.0 | 248.3 |
| 82.5° | 9.3 | 9.6 | 19.0 | 61.8 | 152.1 | 302.5 | 276.6 | 509.0 | 496.7 | 112.4 | 56.6 |
| 85° | 1.1 | 1.3 | 6.9 | 37.1 | 84.6 | 155.7 | 224.7 | 219.4 | 203.0 | 22.3 | 29.1 |
| 87.5° | 0.0 | 0.0 | 0.5 | 11.3 | 25.2 | 73.0 | 116.8 | 91.0 | 82.1 | 7.2 | 15.1 |
| 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° | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 | 939.0 |
| 2.5° | 936.7 | 935.1 | 926.6 | 914.4 | 902.7 | 888.3 | 874.4 | 866.1 | 859.5 | 855.1 | 860.3 |
| 5° | 939.2 | 932.3 | 906.5 | 873.5 | 841.1 | 804.6 | 770.6 | 741.9 | 730.5 | 718.0 | 723.6 |
| 7.5° | 938.4 | 925.4 | 879.0 | 820.2 | 760.7 | 699.2 | 641.1 | 596.3 | 573.0 | 550.2 | 556.0 |
| 10° | 934.5 | 912.5 | 842.2 | 755.1 | 666.1 | 577.7 | 495.2 | 432.4 | 397.3 | 365.6 | 370.1 |
| 12.5° | 925.8 | 895.2 | 798.8 | 680.5 | 561.5 | 445.0 | 348.3 | 267.9 | 224.9 | 205.8 | 208.2 |
| 15° | 920.6 | 878.3 | 752.9 | 605.1 | 449.9 | 309.9 | 212.9 | 158.3 | 138.7 | 132.4 | 133.2 |
| 17.5° | 918.1 | 862.1 | 705.4 | 518.7 | 335.7 | 197.3 | 137.6 | 121.4 | 117.1 | 116.0 | 116.4 |
| 20° | 915.6 | 845.8 | 656.5 | 433.4 | 231.3 | 132.7 | 113.1 | 108.3 | 106.8 | 105.4 | 105.7 |
| 22.5° | 911.4 | 830.1 | 604.0 | 346.9 | 156.0 | 107.7 | 101.9 | 97.3 | 94.0 | 92.3 | 92.6 |
| 25° | 906.2 | 813.6 | 550.3 | 258.3 | 113.8 | 96.1 | 90.6 | 84.1 | 80.2 | 77.0 | 77.2 |
| 27.5° | 897.8 | 793.3 | 495.0 | 188.1 | 95.6 | 86.0 | 78.6 | 71.5 | 64.9 | 61.3 | 61.3 |
| 30° | 886.2 | 770.3 | 433.5 | 134.6 | 85.7 | 76.1 | 67.1 | 58.3 | 51.3 | 48.0 | 47.6 |
| 32.5° | 873.3 | 746.4 | 371.4 | 102.0 | 77.8 | 66.8 | 56.6 | 47.3 | 41.0 | 38.4 | 38.2 |
| 35° | 862.3 | 720.6 | 309.4 | 85.5 | 70.0 | 57.9 | 46.7 | 38.8 | 33.8 | 31.6 | 31.4 |
| 37.5° | 855.2 | 694.8 | 249.1 | 76.4 | 62.9 | 49.5 | 39.2 | 32.1 | 28.5 | 26.7 | 26.6 |
| 40° | 854.1 | 675.7 | 193.9 | 69.5 | 56.3 | 42.1 | 32.7 | 27.2 | 23.9 | 22.0 | 21.9 |
| 42.5° | 868.4 | 664.7 | 148.7 | 63.7 | 49.5 | 35.7 | 27.8 | 23.3 | 19.8 | 17.9 | 17.8 |
| 45° | 906.0 | 668.1 | 114.5 | 58.5 | 42.8 | 30.2 | 23.6 | 19.3 | 16.2 | 14.8 | 14.5 |
| 47.5° | 974.6 | 692.0 | 91.0 | 53.3 | 36.3 | 25.6 | 20.1 | 16.0 | 13.4 | 12.0 | 11.8 |
| 50° | 1096.6 | 748.1 | 76.1 | 47.6 | 30.3 | 21.9 | 16.7 | 13.1 | 10.8 | 9.6 | 9.4 |
| 52.5° | 1258.6 | 848.2 | 67.9 | 42.1 | 25.2 | 18.6 | 13.7 | 10.4 | 8.5 | 7.5 | 7.4 |
| 55° | 1437.2 | 969.2 | 62.6 | 36.2 | 20.6 | 15.4 | 10.8 | 8.2 | 6.6 | 5.8 | 5.5 |
| 57.5° | 1611.6 | 1074.1 | 57.5 | 30.3 | 17.1 | 12.6 | 8.6 | 6.4 | 5.2 | 4.4 | 4.2 |
| 60° | 1771.8 | 1170.5 | 51.7 | 24.4 | 14.0 | 9.9 | 6.8 | 5.0 | 4.1 | 3.3 | 3.3 |
| 62.5° | 1943.3 | 1245.0 | 43.7 | 19.0 | 11.5 | 7.5 | 5.5 | 4.6 | 3.3 | 2.8 | 2.7 |
| 65° | 2125.1 | 1300.4 | 34.3 | 14.8 | 9.0 | 5.7 | 4.6 | 4.7 | 2.7 | 2.0 | 1.9 |
| 67.5° | 2259.4 | 1289.4 | 25.3 | 11.6 | 6.9 | 4.4 | 4.4 | 5.0 | 2.4 | 1.6 | 1.4 |
| 69° | 2229.8 | 1199.9 | 21.2 | 10.1 | 6.0 | 3.8 | 4.1 | 5.0 | 2.2 | 1.4 | 1.3 |
| 70° | 2144.1 | 1100.8 | 18.7 | 9.0 | 5.3 | 3.5 | 3.9 | 4.9 | 2.0 | 1.4 | 1.3 |
| 72.5° | 1785.6 | 829.1 | 14.6 | 6.8 | 4.2 | 2.8 | 3.3 | 4.2 | 2.0 | 1.4 | 1.1 |
| 75° | 1343.1 | 530.7 | 11.2 | 4.9 | 3.1 | 2.2 | 2.5 | 3.1 | 2.0 | 1.3 | 1.1 |
| 77.5° | 730.9 | 191.4 | 8.0 | 3.3 | 2.2 | 1.7 | 1.7 | 2.4 | 1.9 | 0.9 | 0.6 |
| 80° | 187.9 | 48.1 | 5.0 | 2.2 | 1.7 | 1.3 | 1.1 | 1.6 | 1.1 | 0.2 | 0.0 |
| 82.5° | 46.4 | 10.8 | 2.7 | 1.6 | 1.3 | 0.5 | 0.5 | 0.8 | 0.5 | 0.0 | 0.0 |
| 85° | 25.5 | 5.3 | 1.7 | 1.1 | 0.6 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 13.1 | 1.6 | 0.5 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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