

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: P385763

Luminaire Tested: **GWC-SA1B-760-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1B-760-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6295 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

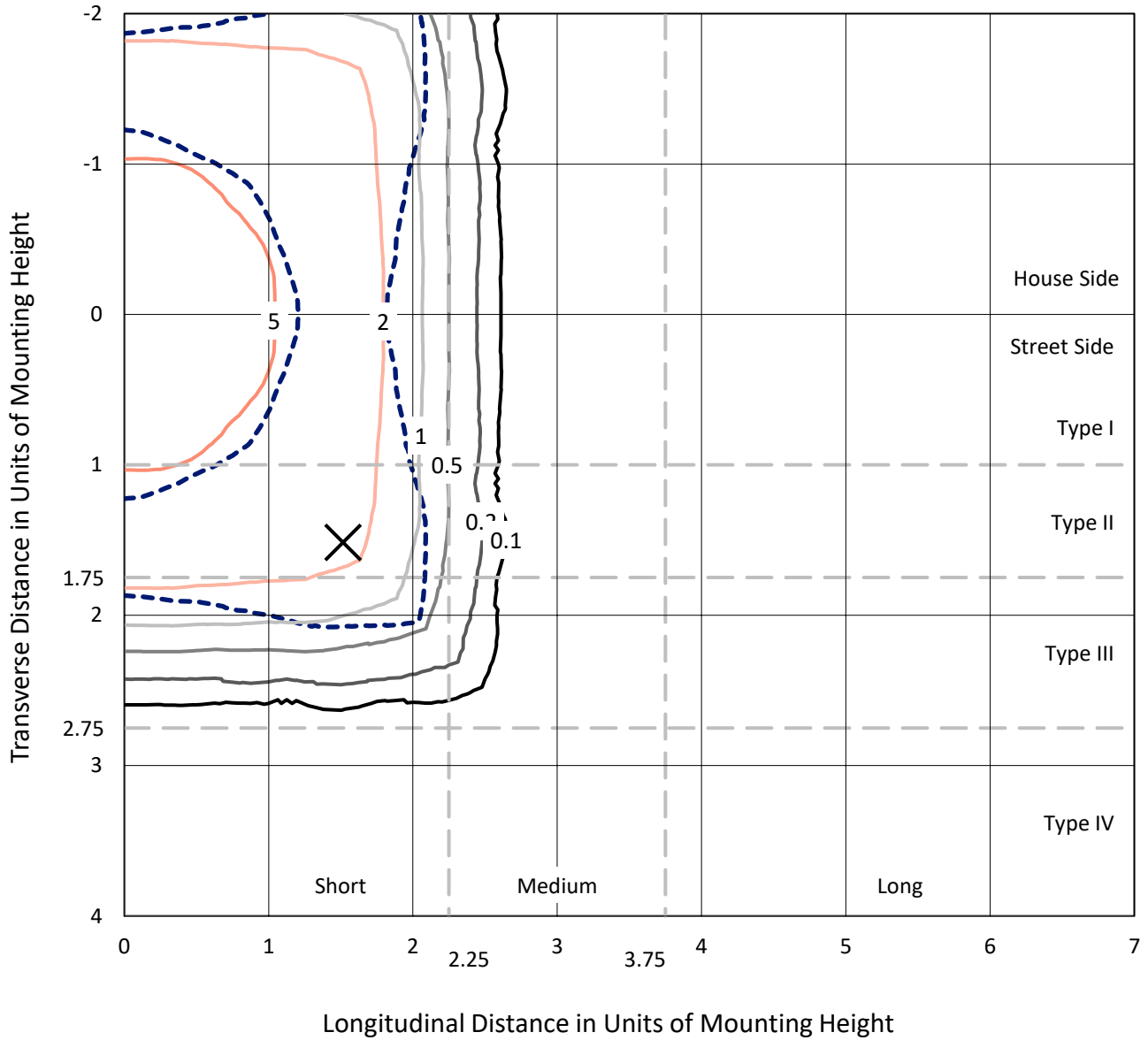
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P385763
 CATALOG NUMBER: GWC-SA1B-760-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

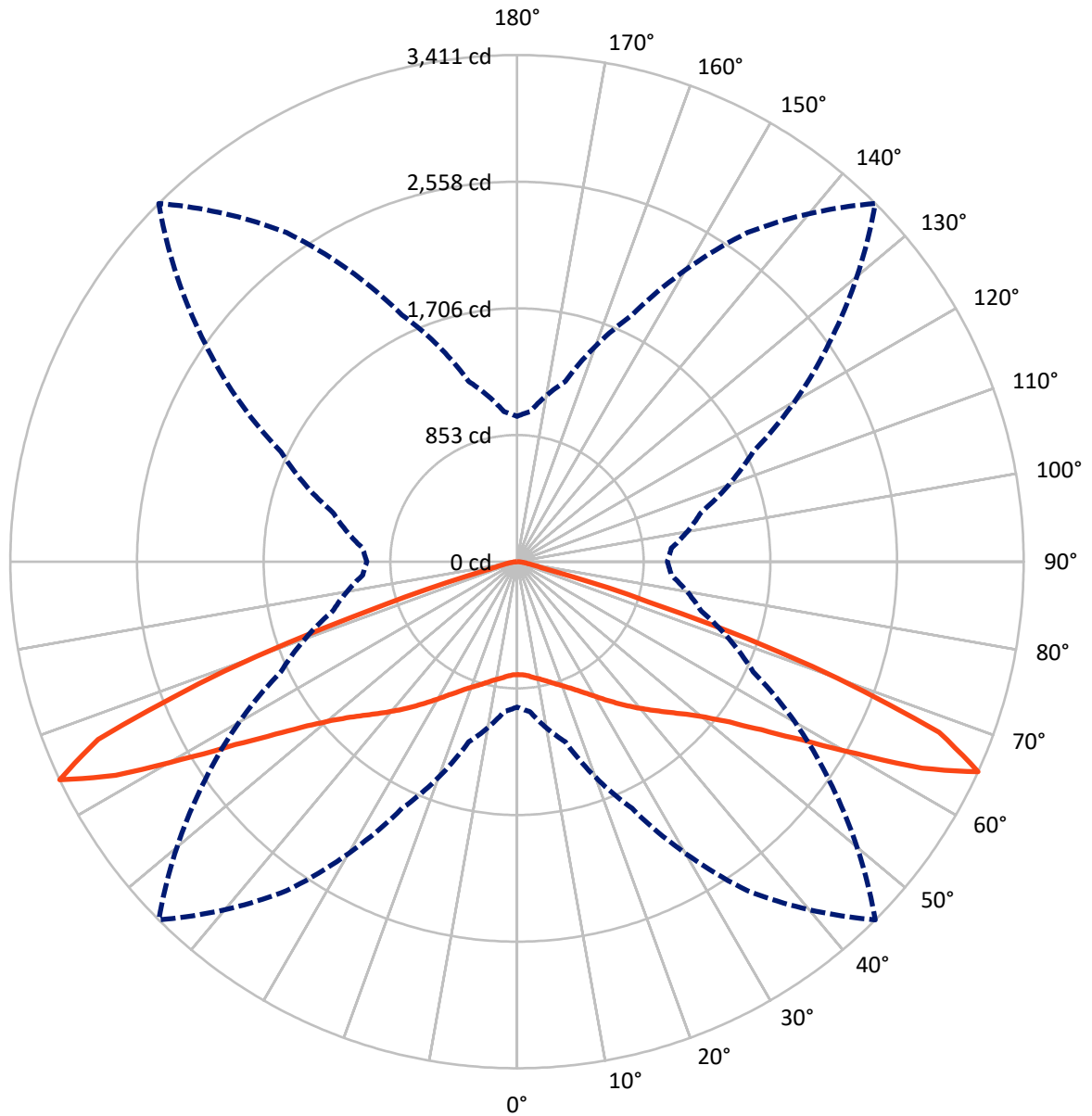
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

REPORT NUMBER: P385763
CATALOG NUMBER: GWC-SA1B-760-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P385763

CATALOG NUMBER: GWC-SA1B-760-U-5NQ

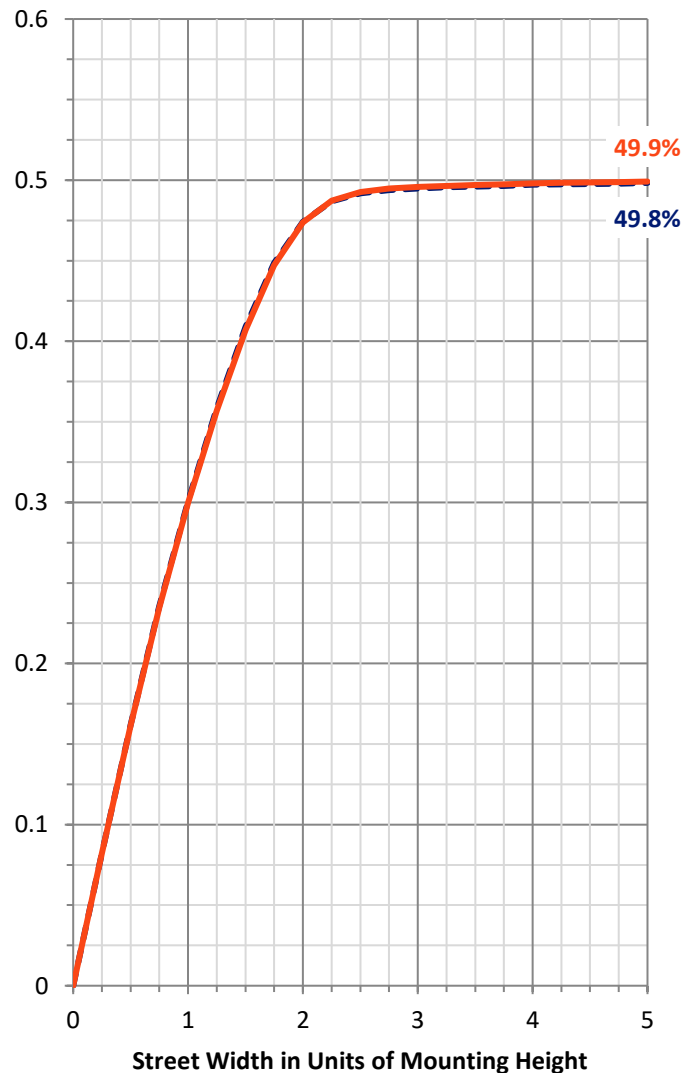
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3147.5 | 0.0 | 3147.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3147.5 | 0.0 | 3147.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6295.0 | 0.0 | 6295.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.6 | 1.2 |
| 10°-20° | 239.7 | 3.8 |
| 20°-30° | 449.8 | 7.1 |
| 30°-40° | 743.9 | 11.8 |
| 40°-50° | 1152.2 | 18.3 |
| 50°-60° | 1767.1 | 28.1 |
| 60°-70° | 1648.9 | 26.2 |
| 70°-80° | 191.9 | 3.0 |
| 80°-90° | 27.0 | 0.4 |
| 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° | 6295.0 | 100.0 |
| 0°-180° | 6295.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P385763

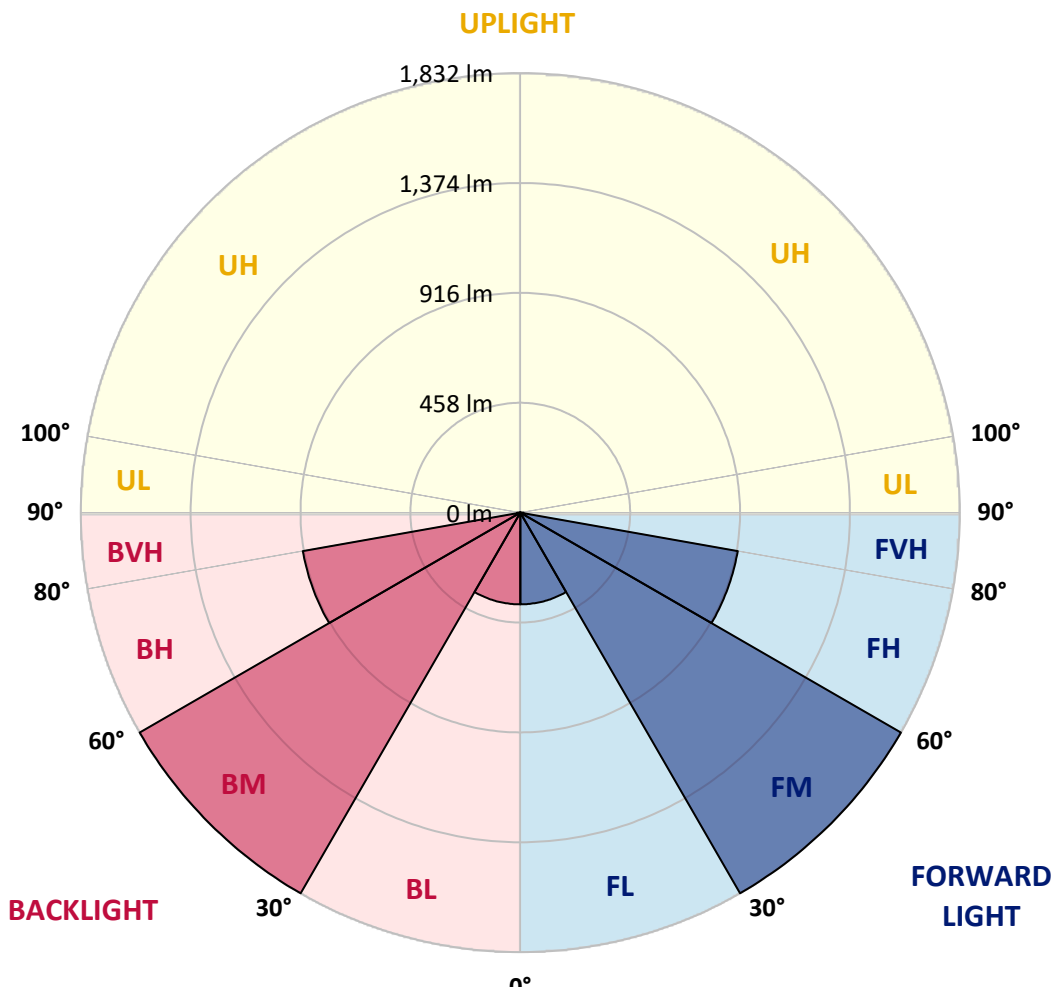
CATALOG NUMBER: GWC-SA1B-760-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 382.1 | 6.1 | | | |
| FM (30°-60°) | 1831.6 | 29.1 | | | |
| FH (60°-80°) | 920.4 | 14.6 | | | G1/1800 |
| FVH (80°-90°) | 13.5 | 0.2 | | | G1/100 |
| BL (0°-30°) | 382.1 | 6.1 | B1/500 | | |
| BM (30°-60°) | 1831.6 | 29.1 | B2/2500 | | |
| BH (60°-80°) | 920.4 | 14.6 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 13.5 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P385763
 CATALOG NUMBER: GWC-SA1B-760-U-5NQ

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 | 760.2 |
| 2.5° | 762.7 | 762.3 | 762.7 | 762.9 | 761.7 | 762.3 | 762.1 | 763.1 | 763.5 | 763.1 | 763.1 |
| 5° | 771.5 | 770.9 | 771.7 | 772.7 | 771.1 | 771.5 | 770.9 | 772.1 | 772.5 | 771.7 | 772.3 |
| 7.5° | 783.6 | 783.8 | 784.6 | 786.5 | 785.5 | 786.3 | 785.1 | 785.3 | 785.1 | 783.8 | 784.0 |
| 10° | 796.8 | 797.0 | 798.4 | 800.9 | 801.4 | 801.4 | 800.5 | 799.9 | 799.1 | 798.2 | 798.4 |
| 12.5° | 812.7 | 813.7 | 814.7 | 817.9 | 817.9 | 819.5 | 819.1 | 817.5 | 816.0 | 814.7 | 814.7 |
| 15° | 834.2 | 834.0 | 835.2 | 838.4 | 839.8 | 842.5 | 842.5 | 840.2 | 838.4 | 837.1 | 836.7 |
| 17.5° | 856.7 | 857.4 | 858.2 | 862.0 | 864.3 | 867.4 | 867.8 | 865.9 | 864.7 | 863.0 | 862.0 |
| 20° | 883.1 | 884.1 | 887.5 | 888.9 | 891.0 | 893.9 | 895.0 | 894.6 | 893.3 | 892.5 | 892.7 |
| 22.5° | 913.8 | 916.5 | 918.6 | 920.7 | 923.2 | 925.3 | 926.3 | 927.8 | 926.5 | 925.9 | 925.5 |
| 25° | 951.0 | 952.9 | 957.0 | 960.8 | 962.5 | 963.1 | 964.4 | 966.4 | 966.2 | 964.8 | 964.8 |
| 27.5° | 993.2 | 996.7 | 1002.0 | 1007.4 | 1007.4 | 1005.3 | 1009.5 | 1013.0 | 1011.8 | 1009.9 | 1007.4 |
| 30° | 1044.4 | 1047.7 | 1053.8 | 1061.3 | 1057.6 | 1056.1 | 1061.7 | 1068.2 | 1066.3 | 1063.2 | 1062.8 |
| 32.5° | 1099.6 | 1102.7 | 1110.6 | 1118.8 | 1114.0 | 1111.9 | 1117.9 | 1127.3 | 1124.0 | 1117.7 | 1114.0 |
| 35° | 1159.3 | 1162.5 | 1173.7 | 1183.6 | 1175.4 | 1171.9 | 1176.9 | 1187.1 | 1181.3 | 1169.6 | 1166.6 |
| 37.5° | 1224.3 | 1226.0 | 1240.6 | 1250.6 | 1245.0 | 1235.6 | 1241.9 | 1249.4 | 1244.4 | 1230.2 | 1224.5 |
| 40° | 1291.8 | 1297.9 | 1314.8 | 1326.5 | 1316.7 | 1301.8 | 1312.3 | 1322.7 | 1315.2 | 1297.0 | 1287.4 |
| 42.5° | 1370.6 | 1375.2 | 1397.7 | 1408.2 | 1392.3 | 1371.4 | 1385.6 | 1399.8 | 1392.3 | 1374.8 | 1366.4 |
| 45° | 1452.5 | 1459.6 | 1486.6 | 1497.0 | 1474.0 | 1447.5 | 1464.8 | 1489.7 | 1489.1 | 1463.8 | 1455.0 |
| 47.5° | 1541.7 | 1548.8 | 1581.0 | 1594.8 | 1569.9 | 1534.4 | 1558.9 | 1594.0 | 1591.4 | 1563.7 | 1556.6 |
| 50° | 1644.7 | 1652.3 | 1692.4 | 1709.7 | 1686.5 | 1645.2 | 1681.9 | 1712.9 | 1708.3 | 1674.0 | 1674.6 |
| 52.5° | 1774.1 | 1773.7 | 1823.6 | 1853.7 | 1829.9 | 1793.3 | 1827.2 | 1857.2 | 1838.2 | 1790.8 | 1789.3 |
| 55° | 1887.3 | 1894.2 | 1956.1 | 2013.1 | 2011.7 | 1997.7 | 2011.3 | 2012.5 | 1958.2 | 1895.1 | 1887.3 |
| 57.5° | 1961.7 | 1974.9 | 2062.0 | 2165.3 | 2242.6 | 2261.2 | 2234.8 | 2155.0 | 2027.8 | 1926.8 | 1914.5 |
| 60° | 1916.0 | 1936.0 | 2072.9 | 2283.3 | 2511.1 | 2620.4 | 2471.8 | 2224.2 | 1973.6 | 1833.0 | 1816.3 |
| 62.5° | 1607.1 | 1641.0 | 1841.4 | 2226.3 | 2742.2 | 3061.7 | 2643.6 | 2113.2 | 1758.4 | 1564.7 | 1536.1 |
| 65° | 978.8 | 1014.5 | 1256.1 | 1832.4 | 2704.8 | 3411.1 | 2565.2 | 1754.0 | 1283.4 | 1042.5 | 1011.6 |
| 67.5° | 326.2 | 336.6 | 478.9 | 1012.8 | 2125.8 | 3064.8 | 2129.3 | 1050.0 | 558.6 | 370.3 | 359.4 |
| 70° | 127.7 | 128.7 | 151.9 | 293.6 | 1003.8 | 2105.1 | 1107.7 | 298.8 | 158.8 | 125.6 | 128.3 |
| 72.5° | 93.8 | 94.2 | 100.7 | 122.7 | 261.6 | 927.4 | 271.0 | 123.3 | 98.0 | 88.0 | 88.0 |
| 75° | 75.4 | 75.4 | 80.0 | 89.4 | 117.2 | 212.7 | 118.9 | 88.4 | 76.7 | 70.2 | 69.4 |
| 77.5° | 59.6 | 60.8 | 64.4 | 70.4 | 79.4 | 102.4 | 82.3 | 70.0 | 61.9 | 55.8 | 54.5 |
| 80° | 44.3 | 45.6 | 51.4 | 54.3 | 57.0 | 71.0 | 60.8 | 54.7 | 48.9 | 41.8 | 40.5 |
| 82.5° | 29.0 | 30.3 | 37.6 | 39.3 | 38.7 | 46.4 | 41.0 | 40.3 | 35.9 | 27.0 | 25.7 |
| 85° | 19.0 | 19.4 | 25.1 | 26.1 | 24.0 | 21.1 | 26.1 | 27.6 | 25.1 | 17.6 | 16.9 |
| 87.5° | 9.0 | 9.0 | 12.7 | 11.9 | 10.9 | 8.8 | 11.9 | 14.0 | 14.2 | 8.6 | 8.4 |
| 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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report





--- HS — SS

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

Scaled Data Report



u

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

Scaled Data Report



(END OF REPORT)