

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: P386243

Luminaire Tested: **GWC-SA1D-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1D-827-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6228 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 66
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

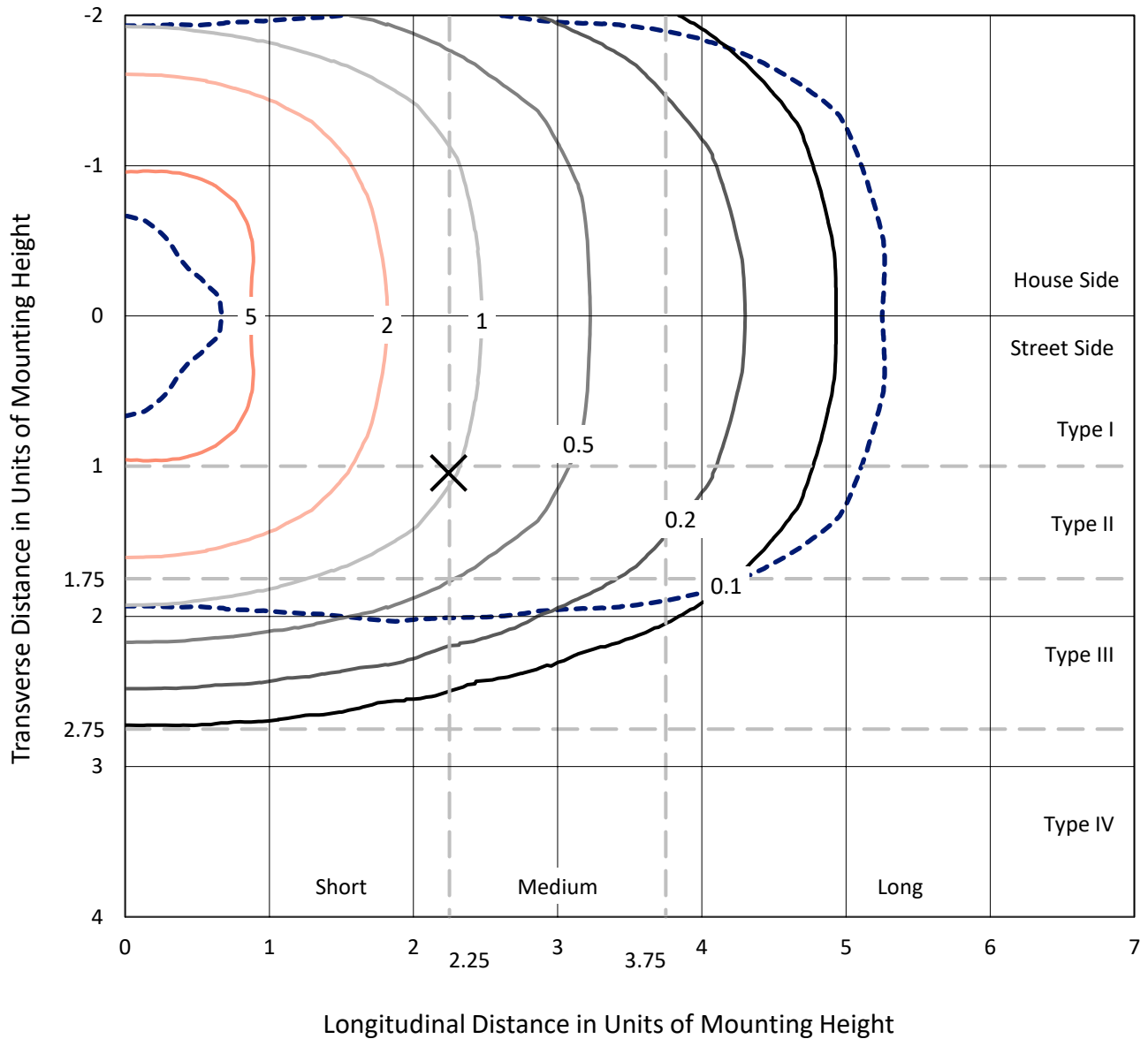


REPORT NUMBER: P386243

CATALOG NUMBER: GWC-SA1D-827-U-RW

Iso-Footcandle Lines of Horizontal Illumination

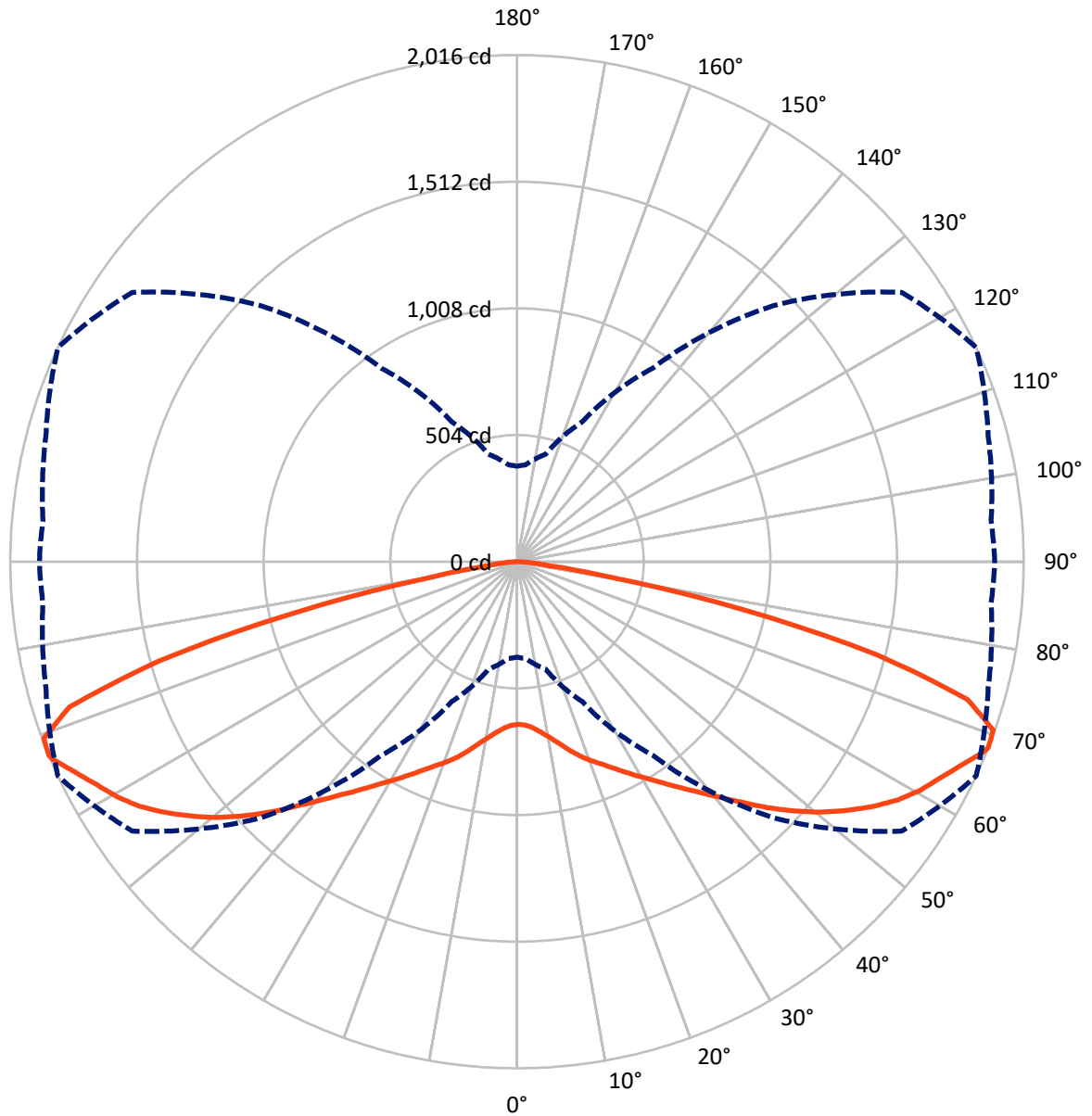
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - N/A

REPORT NUMBER: P386243
CATALOG NUMBER: GWC-SA1D-827-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P386243

CATALOG NUMBER: GWC-SA1D-827-U-RW

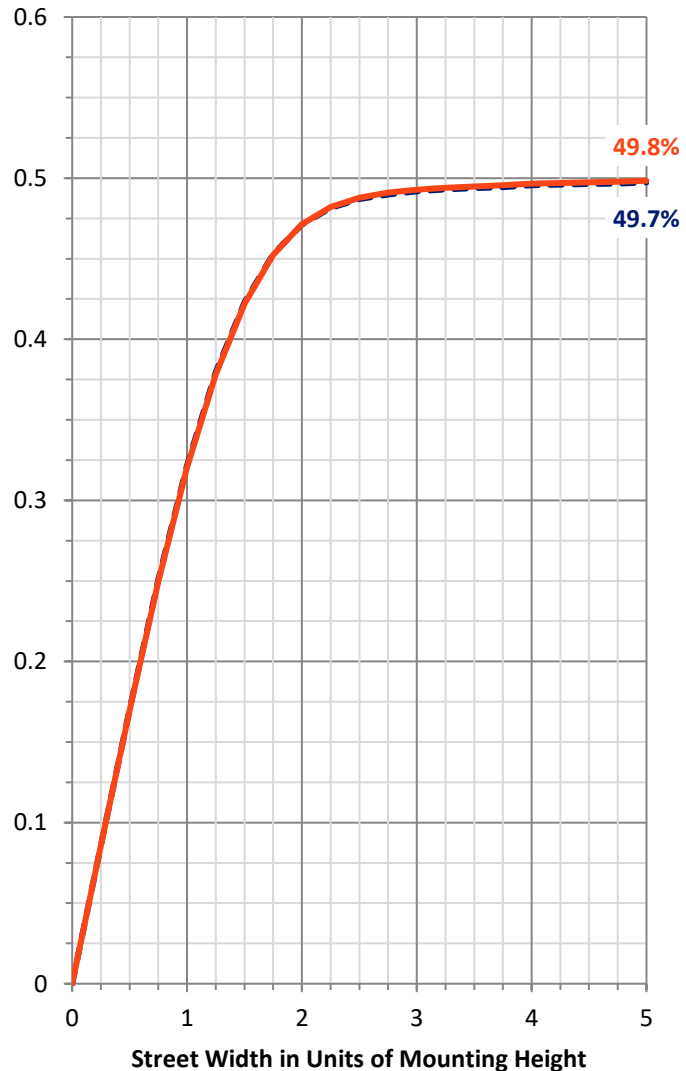
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3114.0 | 0.0 | 3114.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3114.0 | 0.0 | 3114.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6228.0 | 0.0 | 6228.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.4 | 1.0 |
| 10°-20° | 212.3 | 3.4 |
| 20°-30° | 413.9 | 6.6 |
| 30°-40° | 695.4 | 11.2 |
| 40°-50° | 1095.6 | 17.6 |
| 50°-60° | 1465.2 | 23.5 |
| 60°-70° | 1424.4 | 22.9 |
| 70°-80° | 778.6 | 12.5 |
| 80°-90° | 79.2 | 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° | 6228.0 | 100.0 |
| 0°-180° | 6228.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P386243

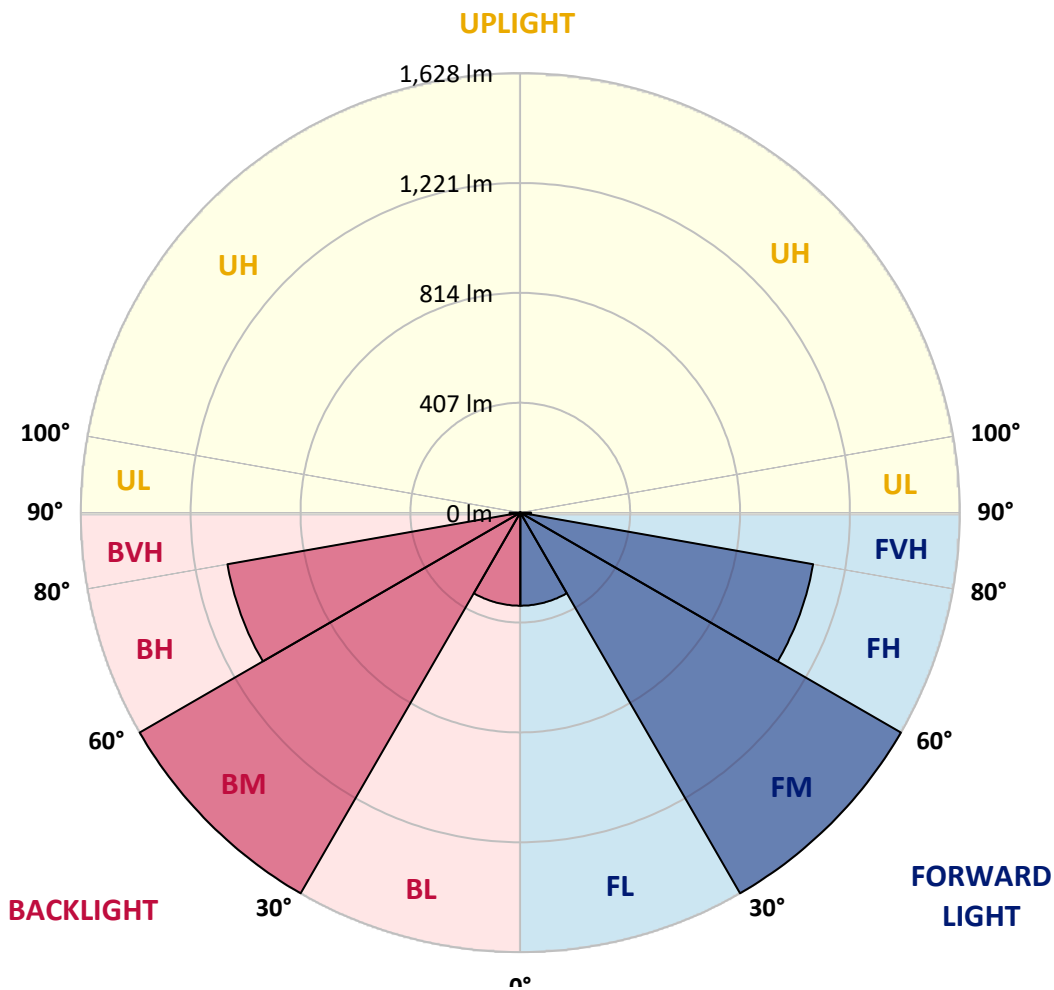
CATALOG NUMBER: GWC-SA1D-827-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 344.8 | 5.5 | | | |
| FM (30°-60°) | 1628.1 | 26.1 | | | |
| FH (60°-80°) | 1101.5 | 17.7 | | | G1/1800 |
| FVH (80°-90°) | 39.6 | 0.6 | | | G1/100 |
| BL (0°-30°) | 344.8 | 5.5 | B1/500 | | |
| BM (30°-60°) | 1628.1 | 26.1 | B2/2500 | | |
| BH (60°-80°) | 1101.5 | 17.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 39.6 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type III Short





REPORT NUMBER: P386243
 CATALOG NUMBER: GWC-SA1D-827-U-RW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 | 647.6 |
| 2.5° | 643.0 | 643.2 | 644.2 | 645.5 | 646.5 | 649.2 | 649.9 | 650.9 | 651.3 | 652.4 | 652.4 |
| 5° | 637.3 | 637.8 | 640.3 | 643.6 | 647.4 | 654.0 | 658.8 | 664.3 | 667.0 | 669.9 | 669.7 |
| 7.5° | 636.7 | 637.8 | 641.3 | 646.7 | 653.0 | 664.1 | 674.1 | 684.9 | 692.3 | 698.9 | 698.5 |
| 10° | 643.2 | 644.9 | 649.9 | 658.0 | 667.4 | 681.2 | 696.0 | 710.6 | 723.4 | 733.6 | 734.0 |
| 12.5° | 653.0 | 655.1 | 663.0 | 675.3 | 689.5 | 707.3 | 724.8 | 741.3 | 758.9 | 774.1 | 775.4 |
| 15° | 665.9 | 668.7 | 680.6 | 698.9 | 720.7 | 741.7 | 760.5 | 777.5 | 797.7 | 818.8 | 820.9 |
| 17.5° | 685.2 | 688.9 | 704.6 | 729.4 | 758.0 | 781.2 | 800.8 | 813.6 | 830.5 | 852.2 | 856.2 |
| 20° | 714.4 | 719.2 | 739.0 | 768.7 | 803.6 | 827.8 | 842.8 | 845.5 | 853.9 | 873.3 | 877.9 |
| 22.5° | 752.4 | 756.6 | 778.7 | 814.0 | 853.0 | 879.4 | 887.3 | 876.4 | 875.6 | 891.3 | 895.6 |
| 25° | 794.8 | 798.5 | 824.2 | 863.9 | 905.9 | 934.9 | 934.7 | 913.6 | 899.0 | 911.1 | 915.7 |
| 27.5° | 842.4 | 848.2 | 872.9 | 914.7 | 959.5 | 988.2 | 986.5 | 953.9 | 926.1 | 929.3 | 933.2 |
| 30° | 897.1 | 903.6 | 927.6 | 970.0 | 1014.9 | 1042.9 | 1040.8 | 997.8 | 956.0 | 947.6 | 950.6 |
| 32.5° | 965.0 | 972.7 | 995.5 | 1037.2 | 1076.9 | 1102.2 | 1096.1 | 1045.4 | 991.9 | 973.7 | 976.5 |
| 35° | 1046.6 | 1051.2 | 1075.2 | 1116.4 | 1148.5 | 1165.9 | 1153.1 | 1100.5 | 1037.4 | 1015.5 | 1015.5 |
| 37.5° | 1129.3 | 1132.9 | 1159.8 | 1199.7 | 1230.8 | 1240.0 | 1215.2 | 1160.9 | 1097.0 | 1065.8 | 1066.5 |
| 40° | 1208.7 | 1218.3 | 1248.6 | 1289.5 | 1320.2 | 1322.7 | 1289.7 | 1229.8 | 1163.2 | 1131.0 | 1134.8 |
| 42.5° | 1291.6 | 1301.0 | 1337.1 | 1383.5 | 1410.6 | 1414.8 | 1376.2 | 1307.0 | 1237.9 | 1211.8 | 1216.0 |
| 45° | 1365.5 | 1373.0 | 1414.8 | 1468.7 | 1502.5 | 1513.4 | 1467.6 | 1395.6 | 1318.7 | 1293.3 | 1294.3 |
| 47.5° | 1417.1 | 1426.9 | 1472.8 | 1536.3 | 1585.6 | 1602.3 | 1557.4 | 1481.8 | 1398.3 | 1367.4 | 1370.1 |
| 50° | 1463.9 | 1469.1 | 1515.6 | 1585.0 | 1647.6 | 1682.1 | 1643.7 | 1567.0 | 1478.7 | 1445.9 | 1448.8 |
| 52.5° | 1490.0 | 1496.6 | 1541.8 | 1614.0 | 1688.1 | 1743.7 | 1720.3 | 1643.7 | 1556.4 | 1524.4 | 1528.0 |
| 55° | 1471.8 | 1476.8 | 1530.9 | 1620.5 | 1713.2 | 1781.7 | 1785.2 | 1718.6 | 1632.6 | 1604.6 | 1614.6 |
| 57.5° | 1389.1 | 1395.4 | 1461.4 | 1578.7 | 1716.3 | 1807.4 | 1834.1 | 1788.2 | 1703.8 | 1681.0 | 1686.9 |
| 60° | 1259.8 | 1263.8 | 1334.2 | 1466.2 | 1655.4 | 1818.0 | 1865.2 | 1845.0 | 1773.5 | 1750.8 | 1758.7 |
| 62.5° | 1029.5 | 1035.4 | 1119.5 | 1296.4 | 1526.5 | 1786.5 | 1895.3 | 1892.0 | 1838.5 | 1817.6 | 1824.7 |
| 65° | 703.7 | 714.0 | 807.1 | 1030.8 | 1327.9 | 1690.0 | 1922.6 | 1946.7 | 1895.9 | 1869.6 | 1879.0 |
| 67.5° | 425.0 | 432.5 | 499.9 | 680.6 | 1016.1 | 1495.4 | 1894.5 | 2008.9 | 1936.4 | 1894.0 | 1901.8 |
| 68° | 379.9 | 386.7 | 443.1 | 614.2 | 939.9 | 1440.5 | 1868.8 | 2016.0 | 1940.8 | 1893.6 | 1900.5 |
| 70° | 229.5 | 234.1 | 271.9 | 379.6 | 626.7 | 1142.7 | 1693.6 | 2010.1 | 1968.8 | 1899.5 | 1903.4 |
| 72.5° | 149.5 | 151.0 | 157.2 | 194.8 | 320.1 | 639.0 | 1271.1 | 1873.2 | 2010.8 | 1933.5 | 1932.9 |
| 75° | 124.3 | 123.4 | 124.0 | 128.4 | 157.9 | 280.2 | 742.8 | 1479.7 | 1916.8 | 1879.8 | 1866.7 |
| 77.5° | 105.0 | 104.4 | 104.2 | 104.4 | 105.7 | 135.3 | 322.4 | 921.8 | 1466.8 | 1662.9 | 1674.6 |
| 80° | 85.0 | 84.2 | 86.9 | 85.6 | 81.9 | 84.2 | 135.1 | 383.4 | 691.4 | 743.8 | 697.1 |
| 82.5° | 61.8 | 58.7 | 70.4 | 67.0 | 63.9 | 59.3 | 74.6 | 123.8 | 165.0 | 113.2 | 79.6 |
| 85° | 47.6 | 44.3 | 53.5 | 51.4 | 43.9 | 30.3 | 44.3 | 60.6 | 66.8 | 38.2 | 30.1 |
| 87.5° | 19.4 | 20.5 | 38.6 | 30.5 | 25.7 | 14.6 | 18.2 | 24.2 | 32.6 | 16.3 | 12.5 |
| 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

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)