

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: P386183

Luminaire Tested: **GWC-SA1D-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386183
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-SA1D-750-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8547 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

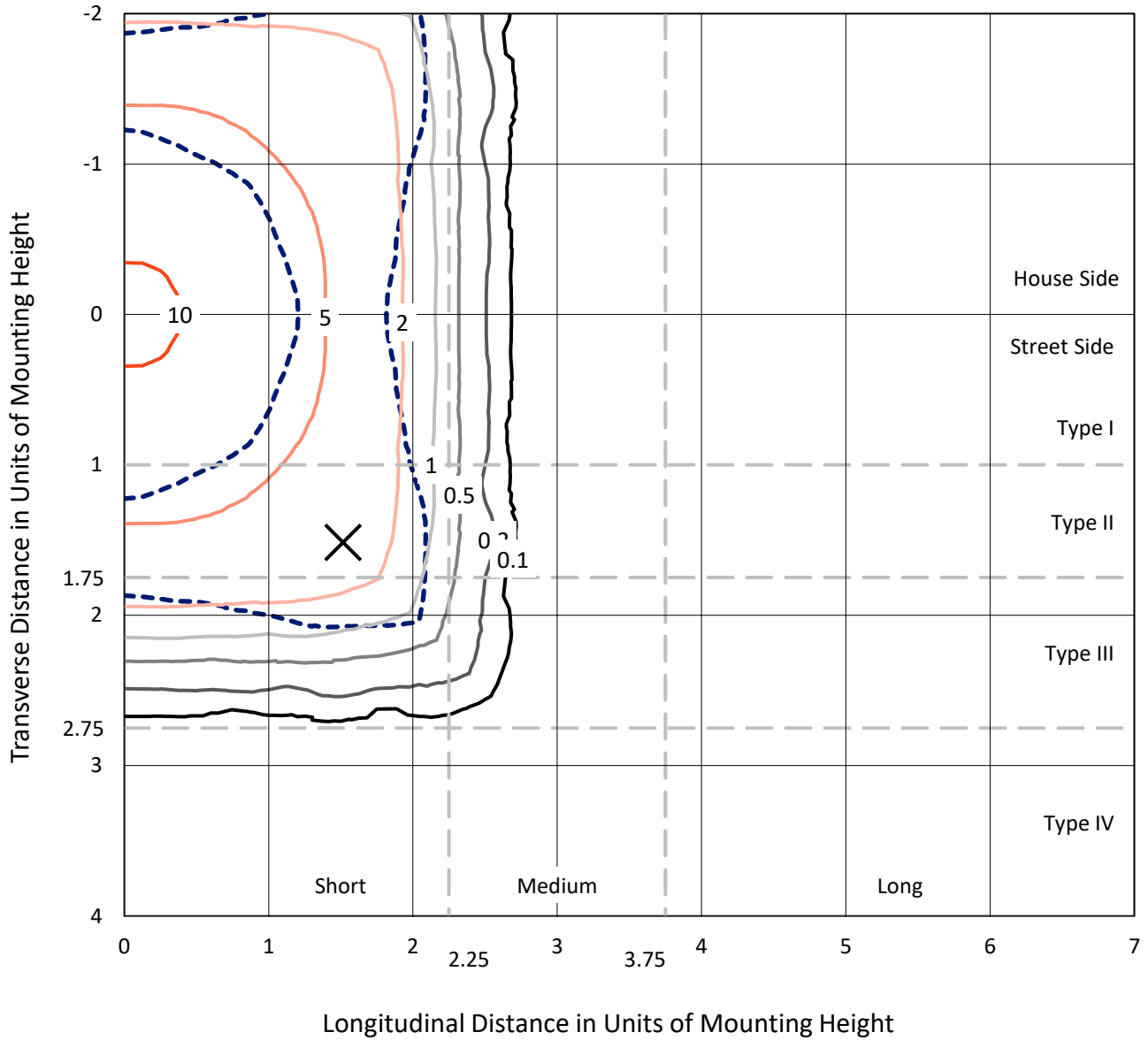
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

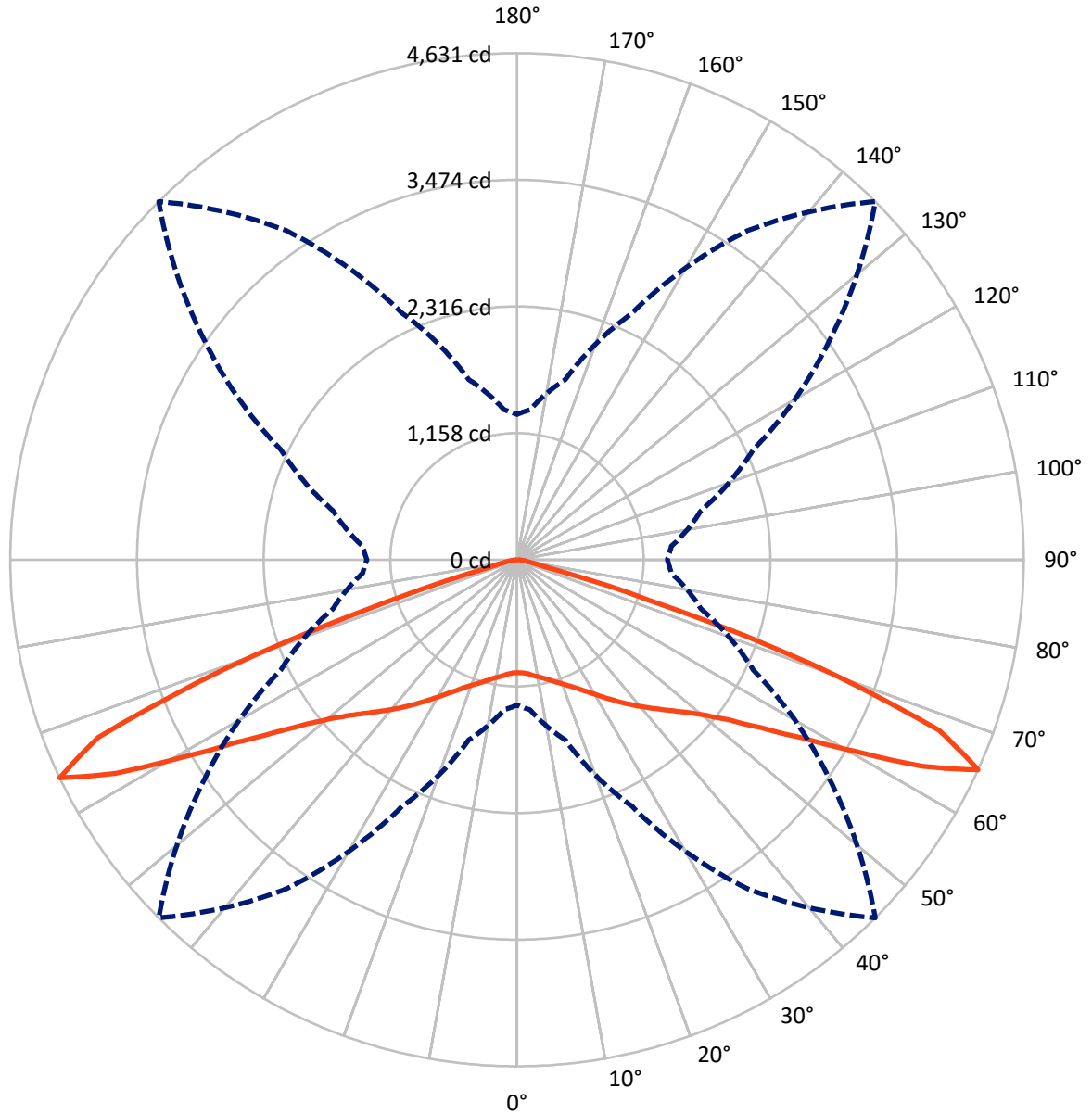
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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



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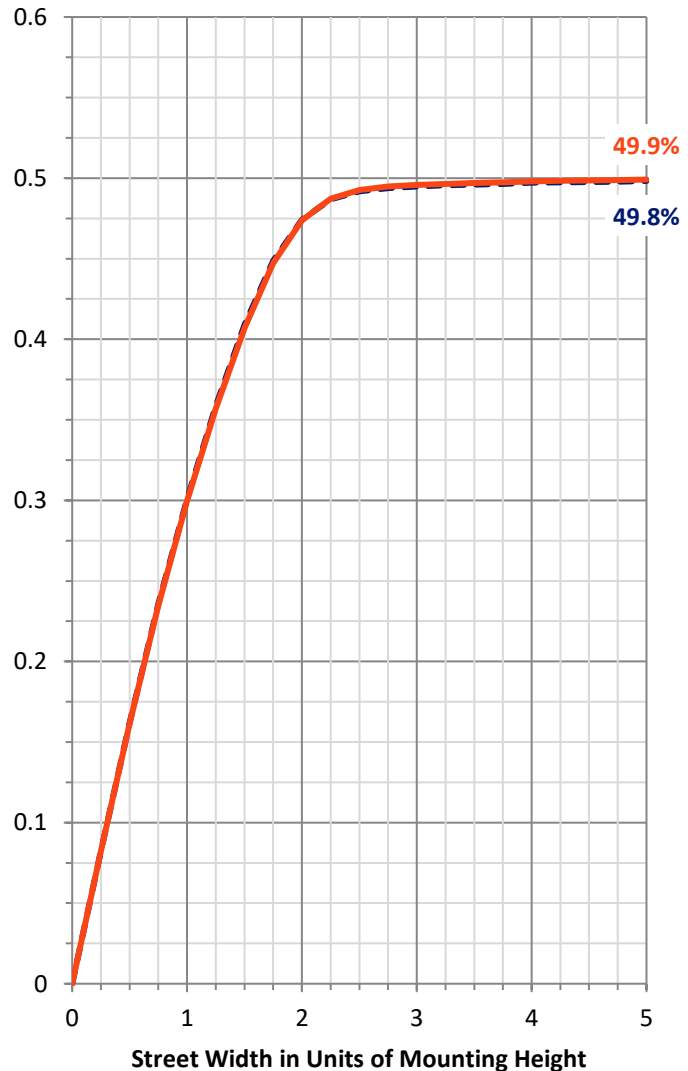
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4273.5 | 0.0 | 4273.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4273.5 | 0.0 | 4273.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 8547.0 | 0.0 | 8547.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 101.3 | 1.2 |
| 10°-20° | 325.5 | 3.8 |
| 20°-30° | 610.7 | 7.1 |
| 30°-40° | 1010.0 | 11.8 |
| 40°-50° | 1564.3 | 18.3 |
| 50°-60° | 2399.2 | 28.1 |
| 60°-70° | 2238.8 | 26.2 |
| 70°-80° | 260.6 | 3.0 |
| 80°-90° | 36.6 | 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° | 8547.0 | 100.0 |
| 0°-180° | 8547.0 | 100.0 |



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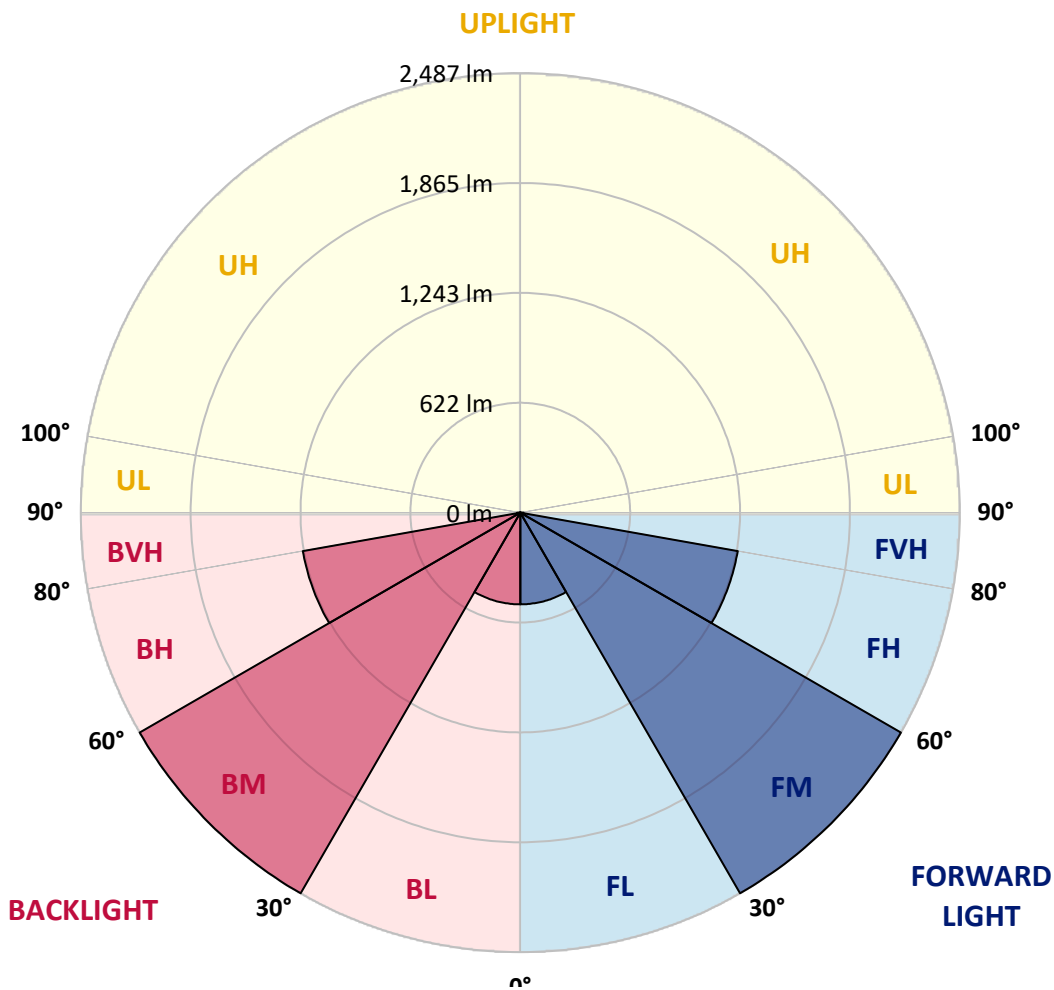
CATALOG NUMBER: GWC-SA1D-750-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 518.7 | 6.1 | | | |
| FM (30°-60°) | 2486.8 | 29.1 | | | |
| FH (60°-80°) | 1249.7 | 14.6 | | | G1/1800 |
| FVH (80°-90°) | 18.3 | 0.2 | | | G1/100 |
| BL (0°-30°) | 518.7 | 6.1 | B2/1000 | | |
| BM (30°-60°) | 2486.8 | 29.1 | B2/2500 | | |
| BH (60°-80°) | 1249.7 | 14.6 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 18.3 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 | 1032.2 |
| 2.5° | 1035.6 | 1035.0 | 1035.6 | 1035.8 | 1034.1 | 1035.0 | 1034.7 | 1036.1 | 1036.7 | 1036.1 | 1036.1 |
| 5° | 1047.5 | 1046.6 | 1047.8 | 1049.2 | 1046.9 | 1047.5 | 1046.6 | 1048.3 | 1048.9 | 1047.8 | 1048.6 |
| 7.5° | 1063.9 | 1064.2 | 1065.4 | 1067.9 | 1066.5 | 1067.6 | 1065.9 | 1066.2 | 1065.9 | 1064.2 | 1064.5 |
| 10° | 1081.8 | 1082.1 | 1084.1 | 1087.5 | 1088.1 | 1088.1 | 1086.9 | 1086.1 | 1084.9 | 1083.8 | 1084.1 |
| 12.5° | 1103.4 | 1104.8 | 1106.2 | 1110.5 | 1110.5 | 1112.7 | 1112.2 | 1109.9 | 1107.9 | 1106.2 | 1106.2 |
| 15° | 1132.6 | 1132.3 | 1134.0 | 1138.3 | 1140.3 | 1143.9 | 1143.9 | 1140.8 | 1138.3 | 1136.6 | 1136.0 |
| 17.5° | 1163.2 | 1164.1 | 1165.2 | 1170.3 | 1173.4 | 1177.7 | 1178.3 | 1175.7 | 1174.0 | 1171.7 | 1170.3 |
| 20° | 1199.0 | 1200.4 | 1204.9 | 1206.9 | 1209.8 | 1213.7 | 1215.2 | 1214.6 | 1212.9 | 1211.8 | 1212.0 |
| 22.5° | 1240.7 | 1244.4 | 1247.2 | 1250.1 | 1253.5 | 1256.3 | 1257.7 | 1259.7 | 1258.0 | 1257.1 | 1256.6 |
| 25° | 1291.2 | 1293.7 | 1299.4 | 1304.5 | 1306.8 | 1307.6 | 1309.3 | 1312.2 | 1311.9 | 1309.9 | 1309.9 |
| 27.5° | 1348.5 | 1353.3 | 1360.4 | 1367.8 | 1367.8 | 1365.0 | 1370.6 | 1375.5 | 1373.8 | 1371.2 | 1367.8 |
| 30° | 1418.0 | 1422.6 | 1430.8 | 1441.0 | 1435.9 | 1433.9 | 1441.6 | 1450.4 | 1447.8 | 1443.5 | 1443.0 |
| 32.5° | 1492.9 | 1497.2 | 1508.0 | 1519.0 | 1512.5 | 1509.7 | 1517.9 | 1530.6 | 1526.1 | 1517.6 | 1512.5 |
| 35° | 1574.1 | 1578.3 | 1593.6 | 1607.0 | 1595.9 | 1591.1 | 1597.9 | 1611.8 | 1603.8 | 1588.0 | 1584.0 |
| 37.5° | 1662.3 | 1664.6 | 1684.4 | 1698.0 | 1690.4 | 1677.6 | 1686.1 | 1696.3 | 1689.5 | 1670.2 | 1662.6 |
| 40° | 1753.9 | 1762.2 | 1785.1 | 1801.0 | 1787.7 | 1767.6 | 1781.7 | 1795.9 | 1785.7 | 1761.0 | 1748.0 |
| 42.5° | 1860.9 | 1867.1 | 1897.8 | 1912.0 | 1890.4 | 1862.0 | 1881.3 | 1900.6 | 1890.4 | 1866.6 | 1855.2 |
| 45° | 1972.1 | 1981.8 | 2018.4 | 2032.5 | 2001.3 | 1965.3 | 1988.8 | 2022.6 | 2021.8 | 1987.4 | 1975.5 |
| 47.5° | 2093.3 | 2102.9 | 2146.6 | 2165.3 | 2131.6 | 2083.3 | 2116.5 | 2164.2 | 2160.8 | 2123.0 | 2113.4 |
| 50° | 2233.1 | 2243.3 | 2297.8 | 2321.4 | 2289.9 | 2233.7 | 2283.6 | 2325.6 | 2319.4 | 2272.8 | 2273.7 |
| 52.5° | 2408.7 | 2408.2 | 2476.0 | 2516.8 | 2484.5 | 2434.8 | 2480.8 | 2521.7 | 2495.8 | 2431.4 | 2429.5 |
| 55° | 2562.5 | 2571.9 | 2655.9 | 2733.3 | 2731.3 | 2712.3 | 2730.8 | 2732.5 | 2658.7 | 2573.0 | 2562.5 |
| 57.5° | 2663.5 | 2681.4 | 2799.7 | 2939.9 | 3044.8 | 3070.1 | 3034.3 | 2926.0 | 2753.2 | 2616.1 | 2599.4 |
| 60° | 2601.4 | 2628.6 | 2814.5 | 3100.2 | 3409.4 | 3557.8 | 3356.1 | 3019.9 | 2679.7 | 2488.8 | 2466.1 |
| 62.5° | 2182.1 | 2228.0 | 2500.1 | 3022.7 | 3723.2 | 4157.0 | 3589.3 | 2869.2 | 2387.5 | 2124.5 | 2085.6 |
| 65° | 1328.9 | 1377.4 | 1705.4 | 2487.9 | 3672.4 | 4631.4 | 3482.9 | 2381.5 | 1742.6 | 1415.5 | 1373.5 |
| 67.5° | 442.9 | 457.1 | 650.3 | 1375.2 | 2886.2 | 4161.3 | 2891.1 | 1425.7 | 758.4 | 502.7 | 488.0 |
| 70° | 173.4 | 174.8 | 206.3 | 398.6 | 1363.0 | 2858.2 | 1504.0 | 405.7 | 215.6 | 170.5 | 174.2 |
| 72.5° | 127.4 | 128.0 | 136.8 | 166.5 | 355.2 | 1259.1 | 368.0 | 167.4 | 133.1 | 119.4 | 119.4 |
| 75° | 102.4 | 102.4 | 108.7 | 121.4 | 159.2 | 288.8 | 161.4 | 120.0 | 104.1 | 95.3 | 94.2 |
| 77.5° | 80.9 | 82.6 | 87.4 | 95.6 | 107.8 | 139.0 | 111.8 | 95.0 | 84.0 | 75.8 | 74.0 |
| 80° | 60.1 | 61.9 | 69.8 | 73.8 | 77.5 | 96.5 | 82.6 | 74.3 | 66.4 | 56.7 | 55.0 |
| 82.5° | 39.4 | 41.1 | 51.1 | 53.3 | 52.5 | 63.0 | 55.6 | 54.8 | 48.8 | 36.6 | 34.9 |
| 85° | 25.8 | 26.4 | 34.0 | 35.5 | 32.6 | 28.7 | 35.5 | 37.5 | 34.0 | 23.8 | 23.0 |
| 87.5° | 12.2 | 12.2 | 17.3 | 16.2 | 14.8 | 11.9 | 16.2 | 19.0 | 19.3 | 11.6 | 11.3 |
| 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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1121 Highway 74 South
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