

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: P385931

Luminaire Tested: **GWC-SA1C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385931
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-SA1C-740-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7793 lumens
Efficiency: N/A
Efficacy: 132.1 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

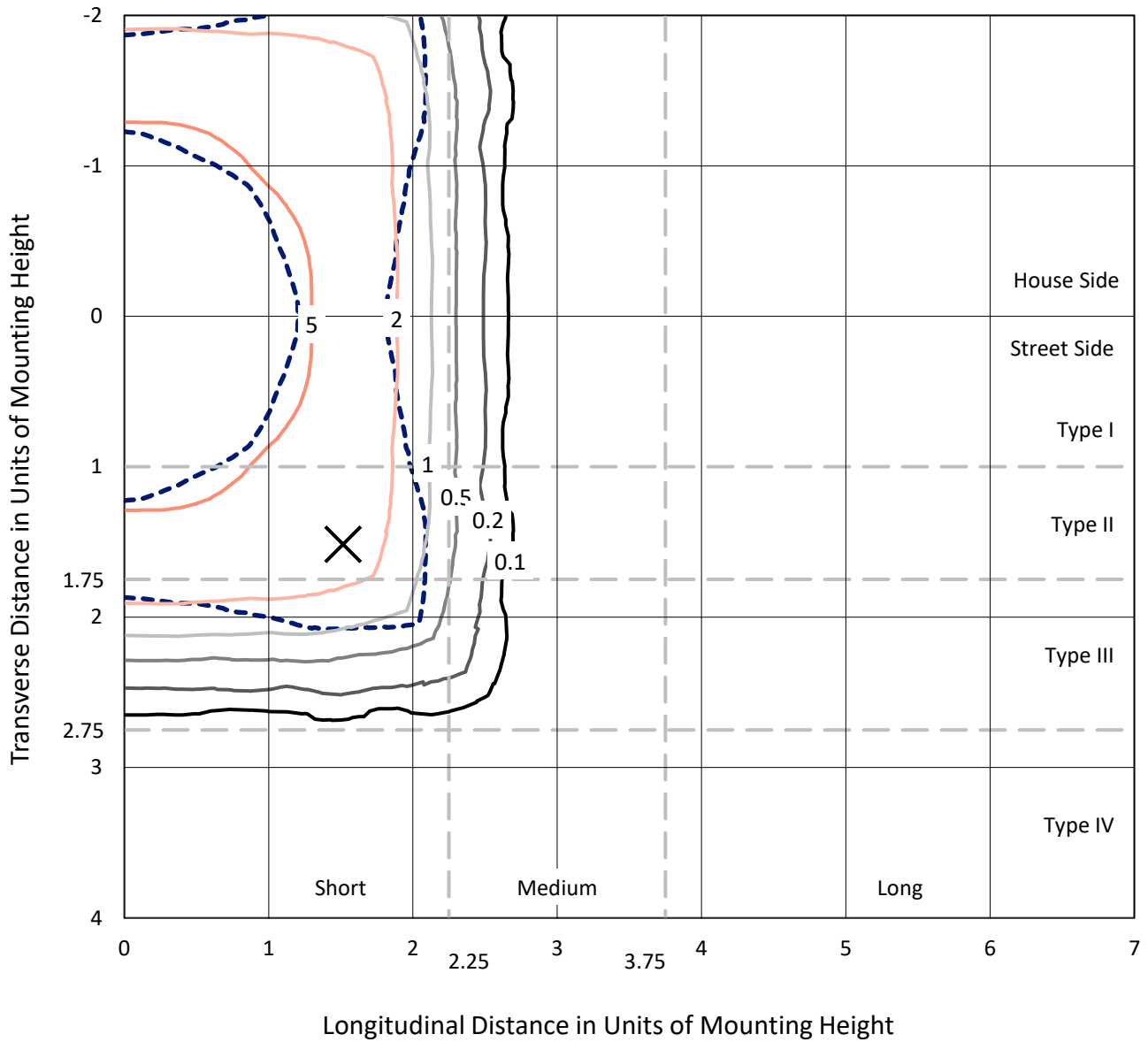
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

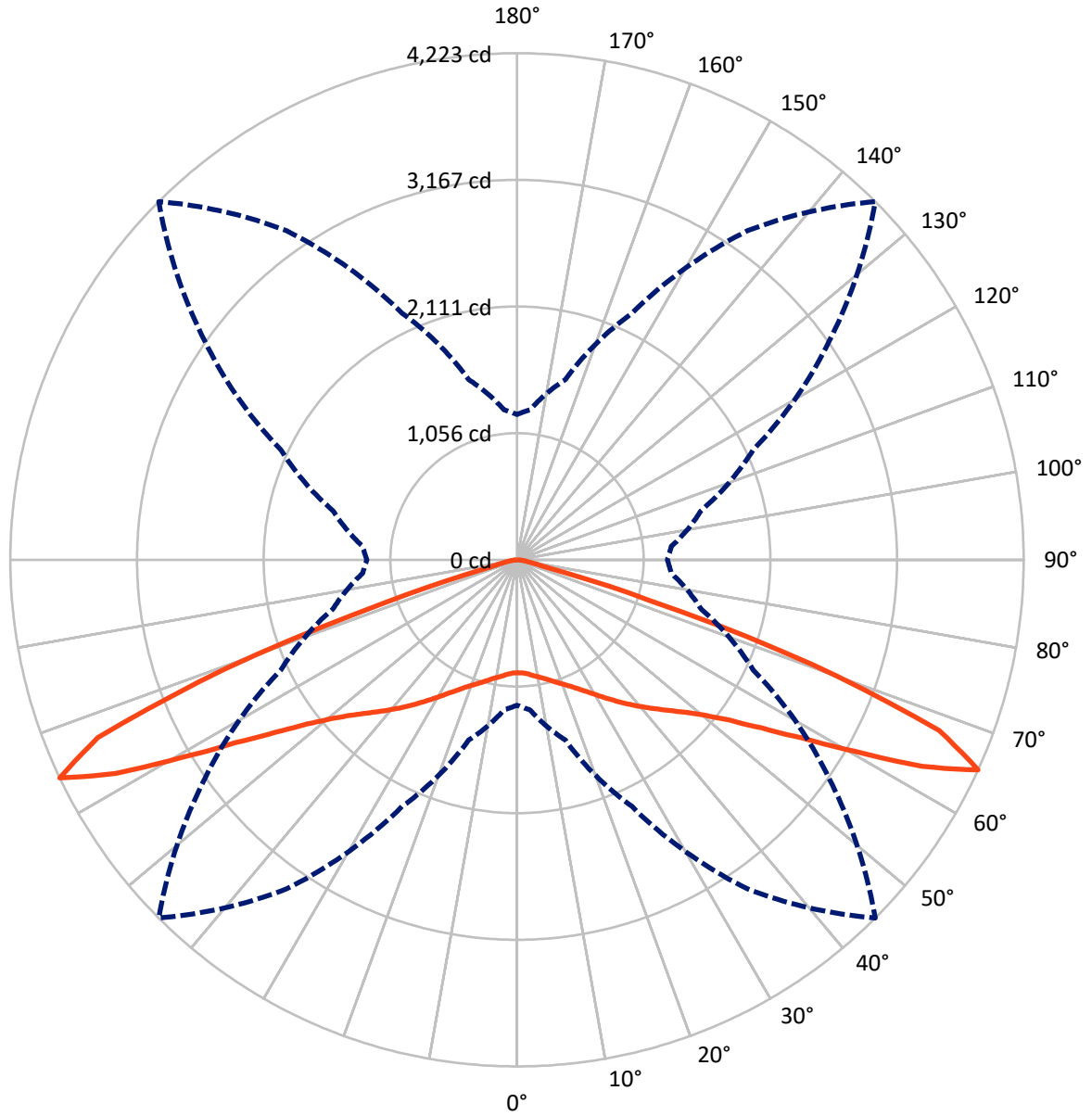
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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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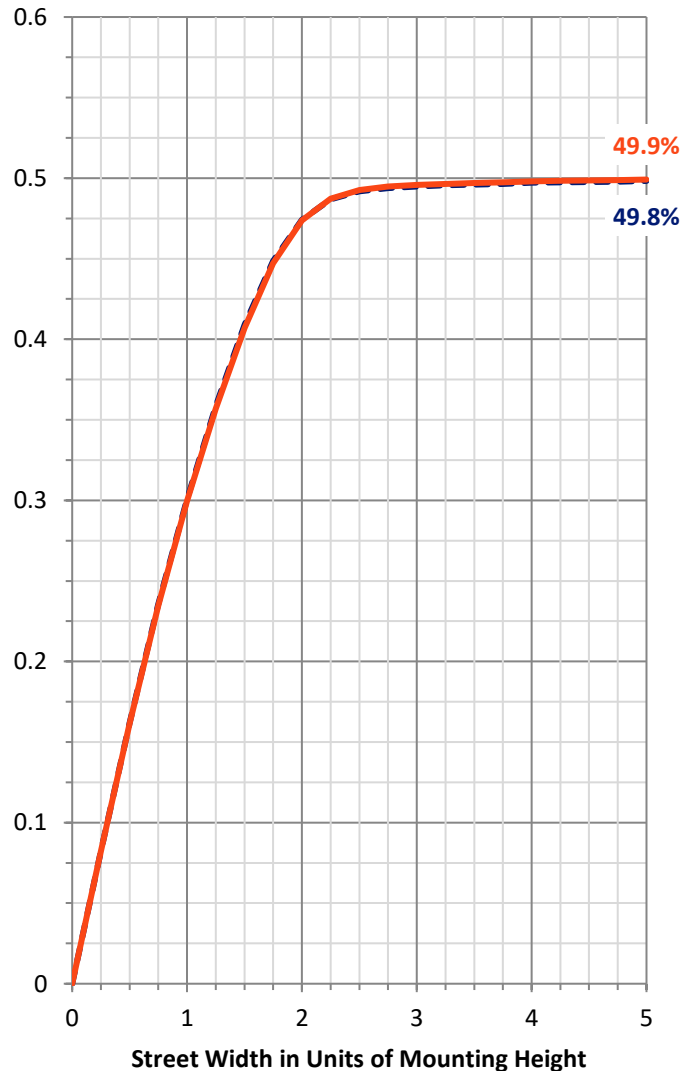
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3896.5 | 0.0 | 3896.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3896.5 | 0.0 | 3896.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7793.0 | 0.0 | 7793.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 92.3 | 1.2 |
| 10°-20° | 296.8 | 3.8 |
| 20°-30° | 556.8 | 7.1 |
| 30°-40° | 920.9 | 11.8 |
| 40°-50° | 1426.3 | 18.3 |
| 50°-60° | 2187.6 | 28.1 |
| 60°-70° | 2041.3 | 26.2 |
| 70°-80° | 237.6 | 3.0 |
| 80°-90° | 33.4 | 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° | 7793.0 | 100.0 |
| 0°-180° | 7793.0 | 100.0 |

Coefficient of Utilization



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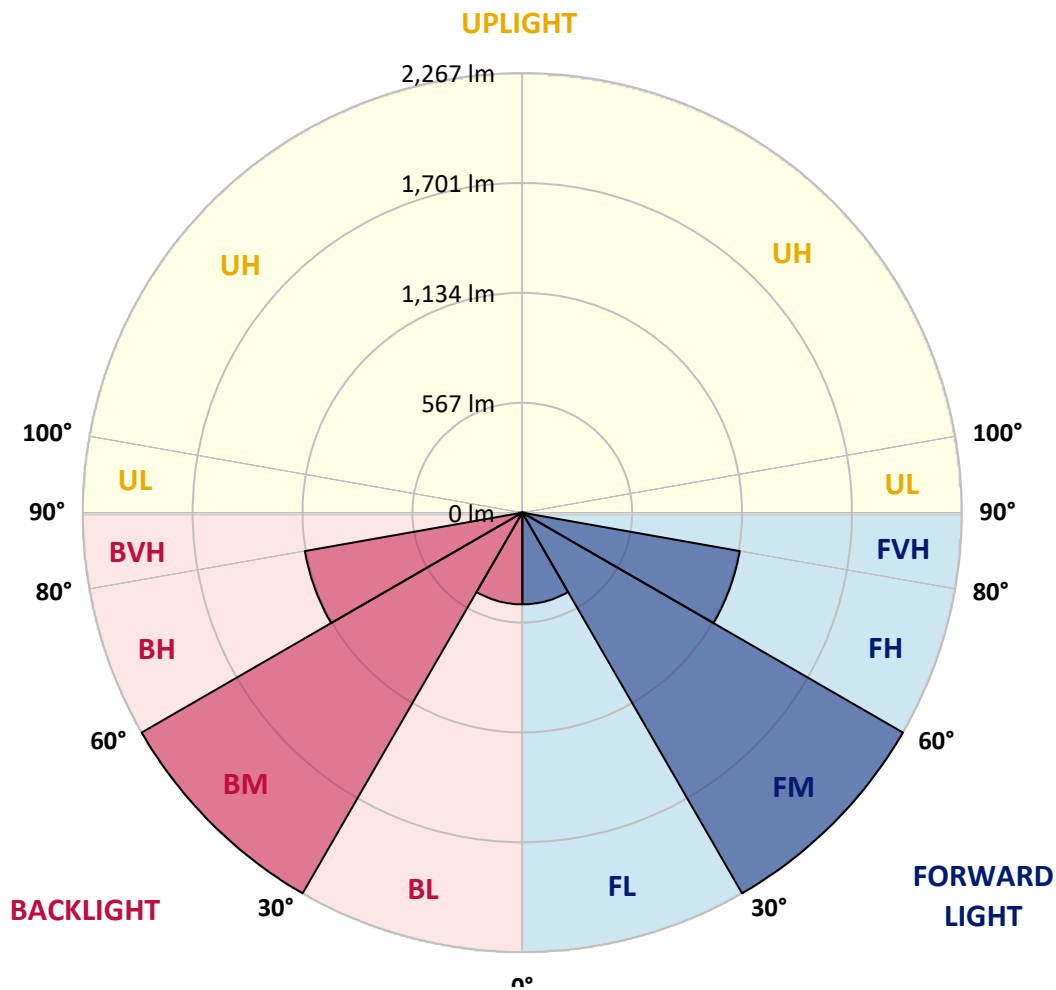
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 473.0 | 6.1 | | | |
| FM (30°-60°) | 2267.4 | 29.1 | | | |
| FH (60°-80°) | 1139.4 | 14.6 | | | G1/1800 |
| FVH (80°-90°) | 16.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 473.0 | 6.1 | B1/500 | | |
| BM (30°-60°) | 2267.4 | 29.1 | B2/2500 | | |
| BH (60°-80°) | 1139.4 | 14.6 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 16.7 | 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° | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 | 941.1 |
| 2.5° | 944.2 | 943.7 | 944.2 | 944.5 | 942.9 | 943.7 | 943.4 | 944.7 | 945.2 | 944.7 | 944.7 |
| 5° | 955.1 | 954.3 | 955.3 | 956.6 | 954.6 | 955.1 | 954.3 | 955.8 | 956.4 | 955.3 | 956.1 |
| 7.5° | 970.1 | 970.3 | 971.4 | 973.7 | 972.4 | 973.4 | 971.9 | 972.1 | 971.9 | 970.3 | 970.6 |
| 10° | 986.4 | 986.6 | 988.4 | 991.5 | 992.1 | 992.1 | 991.0 | 990.3 | 989.2 | 988.2 | 988.4 |
| 12.5° | 1006.0 | 1007.3 | 1008.6 | 1012.5 | 1012.5 | 1014.6 | 1014.1 | 1012.0 | 1010.2 | 1008.6 | 1008.6 |
| 15° | 1032.7 | 1032.4 | 1034.0 | 1037.9 | 1039.7 | 1043.0 | 1043.0 | 1040.2 | 1037.9 | 1036.3 | 1035.8 |
| 17.5° | 1060.6 | 1061.4 | 1062.4 | 1067.1 | 1069.9 | 1073.8 | 1074.3 | 1072.0 | 1070.4 | 1068.4 | 1067.1 |
| 20° | 1093.2 | 1094.5 | 1098.6 | 1100.5 | 1103.0 | 1106.7 | 1108.0 | 1107.4 | 1105.9 | 1104.9 | 1105.1 |
| 22.5° | 1131.2 | 1134.6 | 1137.2 | 1139.8 | 1142.9 | 1145.5 | 1146.8 | 1148.6 | 1147.0 | 1146.2 | 1145.7 |
| 25° | 1177.3 | 1179.6 | 1184.8 | 1189.4 | 1191.5 | 1192.3 | 1193.8 | 1196.4 | 1196.2 | 1194.4 | 1194.4 |
| 27.5° | 1229.5 | 1233.9 | 1240.4 | 1247.1 | 1247.1 | 1244.5 | 1249.7 | 1254.1 | 1252.6 | 1250.2 | 1247.1 |
| 30° | 1292.9 | 1297.1 | 1304.6 | 1313.9 | 1309.2 | 1307.4 | 1314.4 | 1322.4 | 1320.1 | 1316.2 | 1315.7 |
| 32.5° | 1361.2 | 1365.1 | 1374.9 | 1385.0 | 1379.1 | 1376.5 | 1384.0 | 1395.6 | 1391.5 | 1383.7 | 1379.1 |
| 35° | 1435.2 | 1439.1 | 1453.0 | 1465.2 | 1455.1 | 1450.7 | 1456.9 | 1469.6 | 1462.4 | 1447.9 | 1444.2 |
| 37.5° | 1515.6 | 1517.7 | 1535.8 | 1548.2 | 1541.3 | 1529.6 | 1537.4 | 1546.7 | 1540.5 | 1522.9 | 1515.9 |
| 40° | 1599.2 | 1606.7 | 1627.7 | 1642.1 | 1630.0 | 1611.6 | 1624.6 | 1637.5 | 1628.2 | 1605.7 | 1593.8 |
| 42.5° | 1696.7 | 1702.4 | 1730.4 | 1743.3 | 1723.6 | 1697.8 | 1715.4 | 1732.9 | 1723.6 | 1701.9 | 1691.6 |
| 45° | 1798.1 | 1806.9 | 1840.3 | 1853.2 | 1824.8 | 1791.9 | 1813.4 | 1844.2 | 1843.4 | 1812.1 | 1801.2 |
| 47.5° | 1908.6 | 1917.4 | 1957.2 | 1974.3 | 1943.5 | 1899.5 | 1929.8 | 1973.3 | 1970.2 | 1935.8 | 1927.0 |
| 50° | 2036.1 | 2045.4 | 2095.1 | 2116.6 | 2087.9 | 2036.6 | 2082.2 | 2120.5 | 2114.8 | 2072.3 | 2073.1 |
| 52.5° | 2196.3 | 2195.7 | 2257.6 | 2294.8 | 2265.3 | 2220.1 | 2262.0 | 2299.2 | 2275.7 | 2216.9 | 2215.1 |
| 55° | 2336.5 | 2345.0 | 2421.6 | 2492.2 | 2490.4 | 2473.0 | 2489.9 | 2491.4 | 2424.2 | 2346.0 | 2336.5 |
| 57.5° | 2428.6 | 2444.9 | 2552.7 | 2680.5 | 2776.2 | 2799.3 | 2766.7 | 2667.8 | 2510.3 | 2385.4 | 2370.1 |
| 60° | 2371.9 | 2396.7 | 2566.2 | 2826.7 | 3108.6 | 3243.9 | 3060.0 | 2753.5 | 2443.3 | 2269.2 | 2248.5 |
| 62.5° | 1989.6 | 2031.5 | 2279.6 | 2756.1 | 3394.7 | 3790.3 | 3272.6 | 2616.1 | 2176.9 | 1937.0 | 1901.6 |
| 65° | 1211.7 | 1255.9 | 1555.0 | 2268.4 | 3348.4 | 4222.8 | 3175.6 | 2171.4 | 1588.9 | 1290.6 | 1252.3 |
| 67.5° | 403.8 | 416.7 | 592.9 | 1253.9 | 2631.6 | 3794.2 | 2636.0 | 1299.9 | 691.5 | 458.4 | 444.9 |
| 70° | 158.1 | 159.4 | 188.1 | 363.5 | 1242.7 | 2606.0 | 1371.3 | 369.9 | 196.6 | 155.5 | 158.8 |
| 72.5° | 116.2 | 116.7 | 124.7 | 151.8 | 323.9 | 1148.1 | 335.5 | 152.6 | 121.3 | 108.9 | 108.9 |
| 75° | 93.4 | 93.4 | 99.1 | 110.7 | 145.1 | 263.3 | 147.2 | 109.4 | 94.9 | 86.9 | 85.9 |
| 77.5° | 73.7 | 75.3 | 79.7 | 87.2 | 98.3 | 126.8 | 101.9 | 86.7 | 76.6 | 69.1 | 67.5 |
| 80° | 54.8 | 56.4 | 63.6 | 67.3 | 70.6 | 88.0 | 75.3 | 67.8 | 60.5 | 51.7 | 50.2 |
| 82.5° | 36.0 | 37.5 | 46.6 | 48.6 | 47.9 | 57.4 | 50.7 | 49.9 | 44.5 | 33.4 | 31.8 |
| 85° | 23.5 | 24.1 | 31.0 | 32.3 | 29.7 | 26.1 | 32.3 | 34.1 | 31.0 | 21.7 | 21.0 |
| 87.5° | 11.1 | 11.1 | 15.8 | 14.7 | 13.5 | 10.9 | 14.7 | 17.3 | 17.6 | 10.6 | 10.3 |
| 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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