

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: P385935

Luminaire Tested: **GWC-SA1C-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385935
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-SA1C-735-U-RW
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7253.1 lumens
Efficiency: N/A
Efficacy: 122.9 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

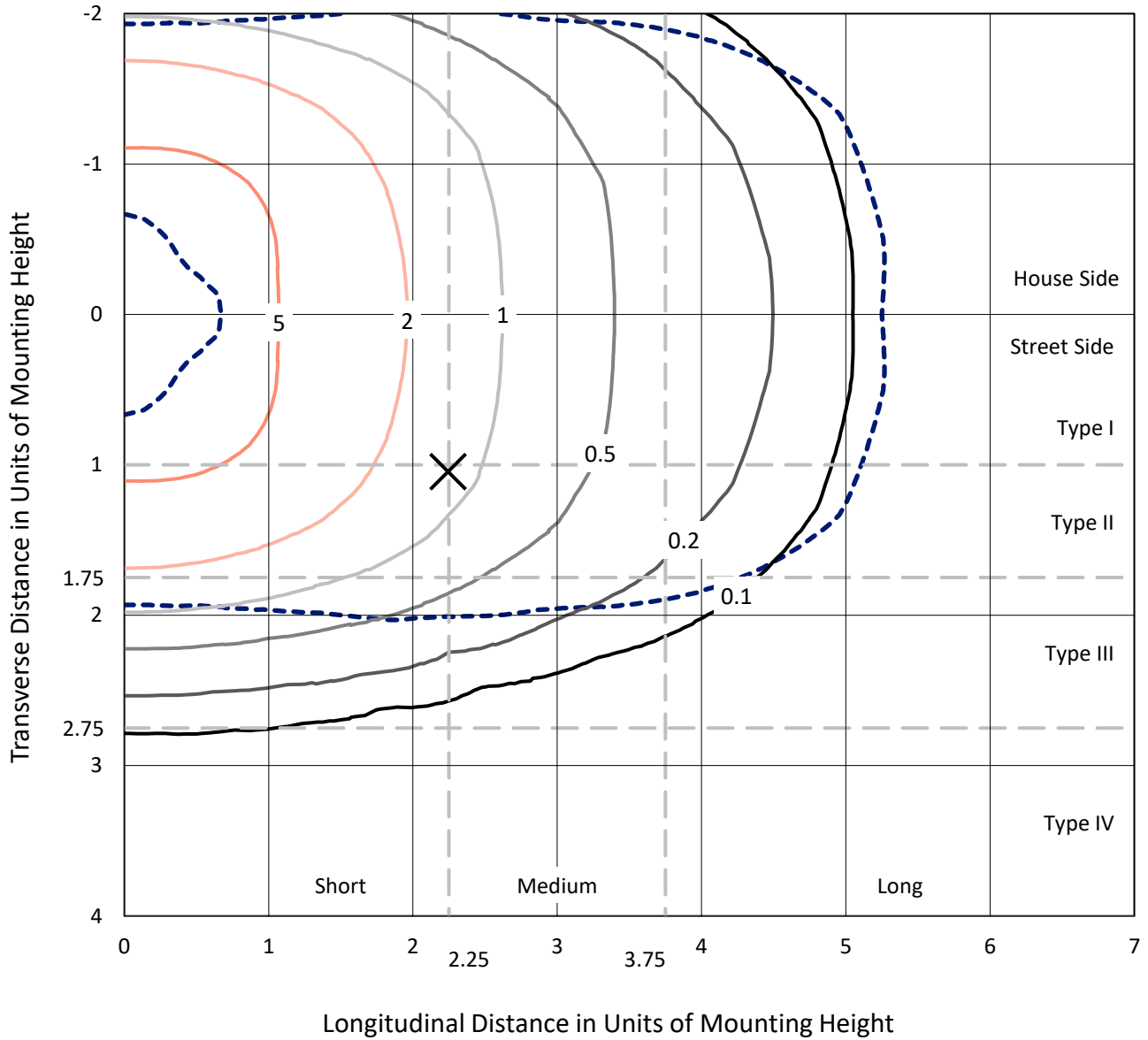
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

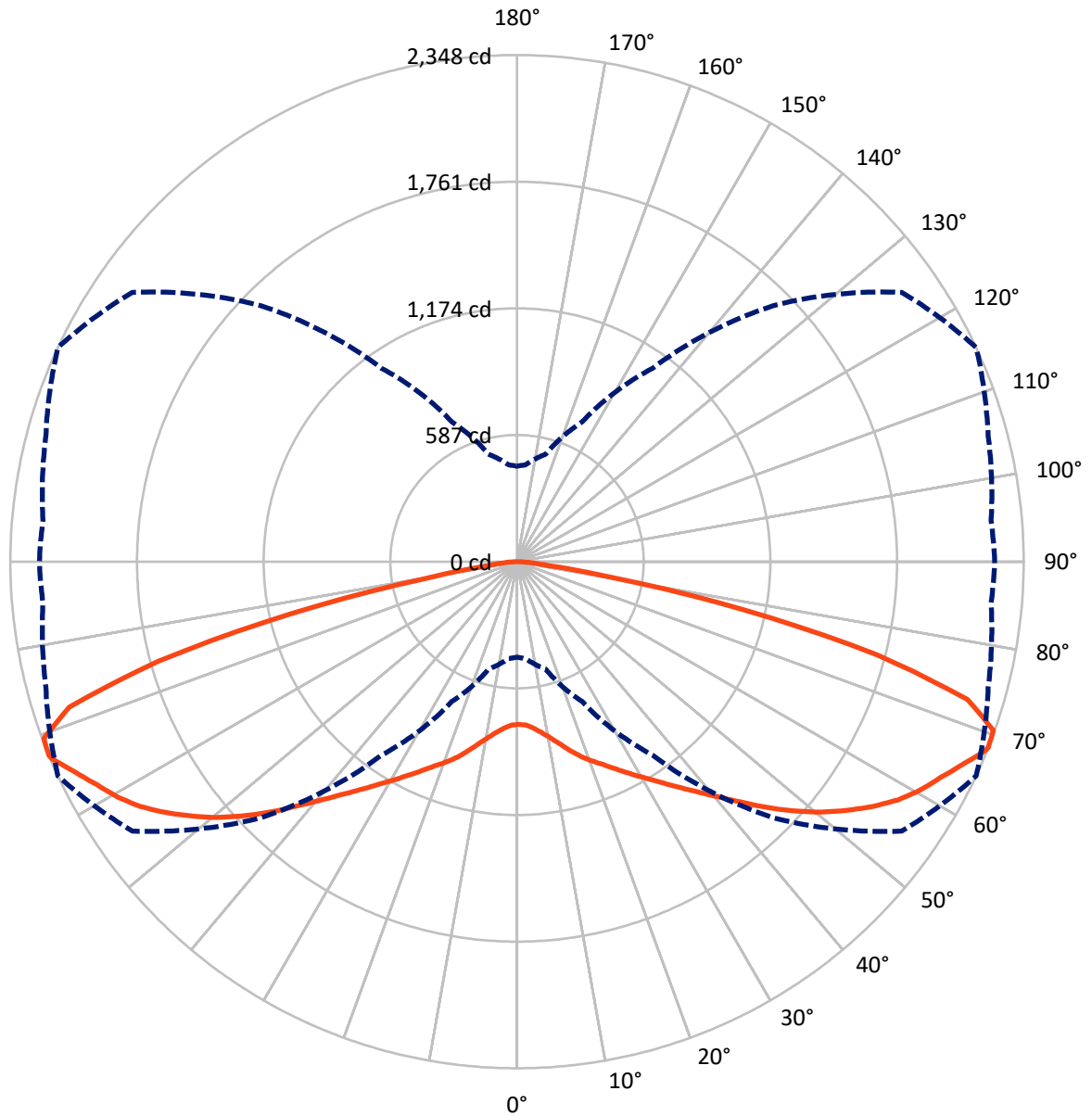
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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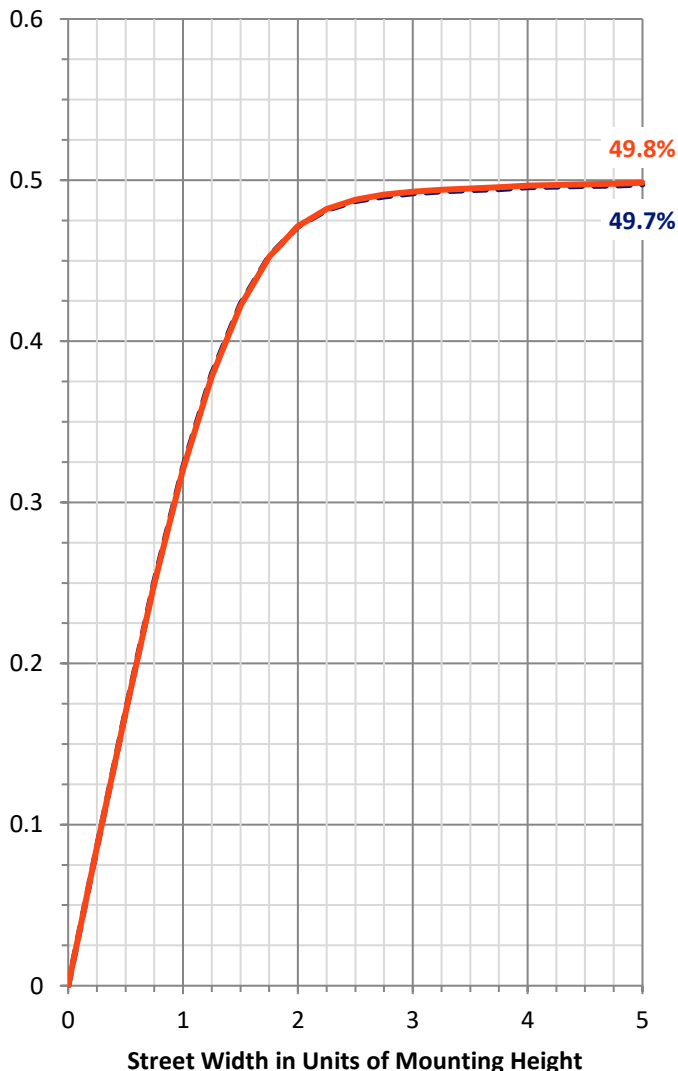
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3626.5 | 0.0 | 3626.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3626.5 | 0.0 | 3626.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7253.1 | 0.0 | 7253.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 73.8 | 1.0 |
| 10°-20° | 247.2 | 3.4 |
| 20°-30° | 482.0 | 6.6 |
| 30°-40° | 809.8 | 11.2 |
| 40°-50° | 1276.0 | 17.6 |
| 50°-60° | 1706.4 | 23.5 |
| 60°-70° | 1658.8 | 22.9 |
| 70°-80° | 906.8 | 12.5 |
| 80°-90° | 92.2 | 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° | 7253.1 | 100.0 |
| 0°-180° | 7253.1 | 100.0 |

Coefficient of Utilization



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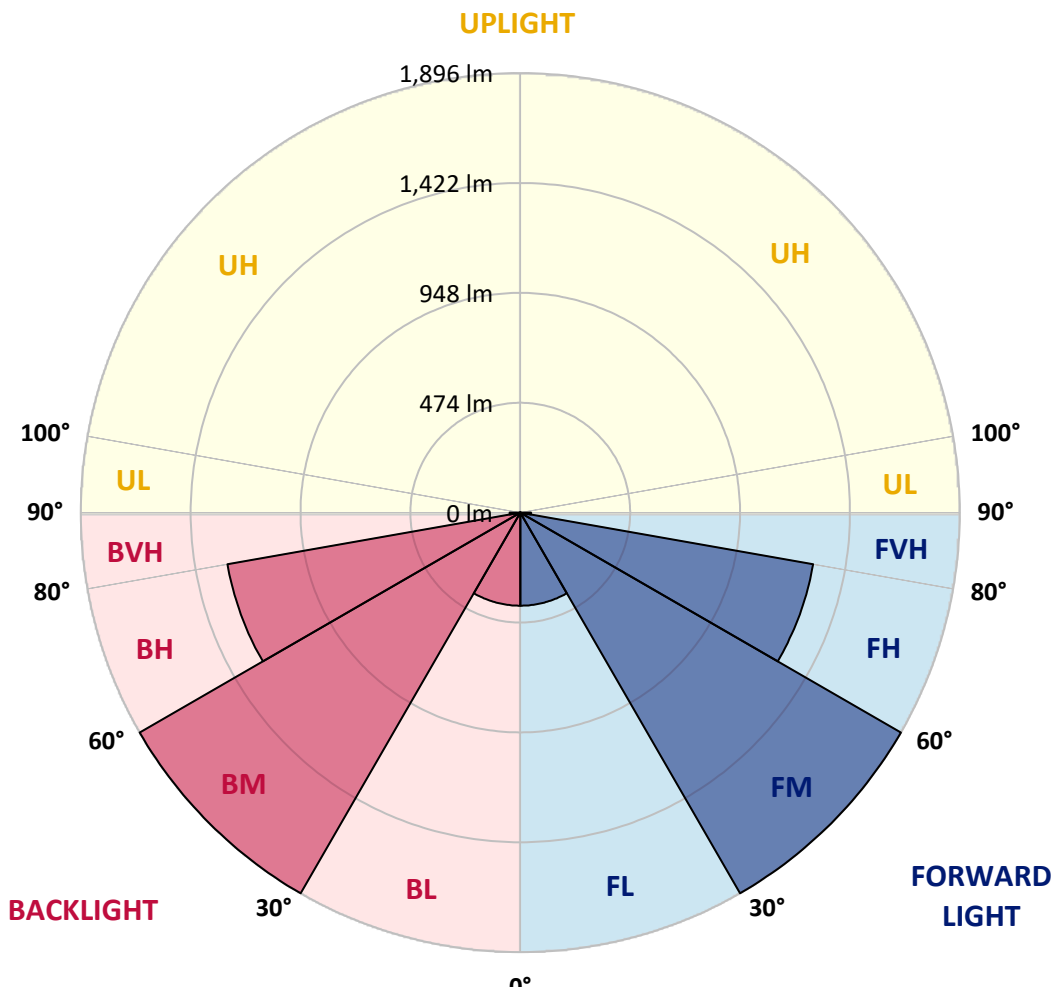
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 401.6 | 5.5 | | | |
| FM (30°-60°) | 1896.1 | 26.1 | | | |
| FH (60°-80°) | 1282.8 | 17.7 | | | G1/1800 |
| FVH (80°-90°) | 46.1 | 0.6 | | | G1/100 |
| BL (0°-30°) | 401.6 | 5.5 | B1/500 | | |
| BM (30°-60°) | 1896.1 | 26.1 | B2/2500 | | |
| BH (60°-80°) | 1282.8 | 17.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 46.1 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 | 754.1 |
| 2.5° | 748.8 | 749.1 | 750.3 | 751.7 | 752.9 | 756.1 | 756.9 | 758.0 | 758.6 | 759.8 | 759.8 |
| 5° | 742.2 | 742.7 | 745.6 | 749.5 | 753.9 | 761.7 | 767.3 | 773.6 | 776.8 | 780.2 | 779.9 |
| 7.5° | 741.5 | 742.7 | 746.8 | 753.2 | 760.4 | 773.4 | 785.1 | 797.6 | 806.2 | 814.0 | 813.5 |
| 10° | 749.1 | 751.0 | 756.9 | 766.3 | 777.3 | 793.3 | 810.6 | 827.6 | 842.4 | 854.4 | 854.8 |
| 12.5° | 760.4 | 762.9 | 772.2 | 786.5 | 803.0 | 823.7 | 844.1 | 863.3 | 883.8 | 901.5 | 902.9 |
| 15° | 775.6 | 778.7 | 792.6 | 814.0 | 839.3 | 863.9 | 885.8 | 905.4 | 929.0 | 953.6 | 956.0 |
| 17.5° | 797.9 | 802.3 | 820.6 | 849.5 | 882.8 | 909.8 | 932.6 | 947.5 | 967.2 | 992.5 | 997.1 |
| 20° | 831.9 | 837.6 | 860.7 | 895.2 | 935.8 | 964.0 | 981.6 | 984.7 | 994.4 | 1017.1 | 1022.4 |
| 22.5° | 876.3 | 881.1 | 906.9 | 947.9 | 993.4 | 1024.1 | 1033.3 | 1020.7 | 1019.7 | 1037.9 | 1043.1 |
| 25° | 925.6 | 930.0 | 959.9 | 1006.1 | 1054.9 | 1088.8 | 1088.6 | 1064.0 | 1047.0 | 1061.0 | 1066.4 |
| 27.5° | 981.0 | 987.9 | 1016.5 | 1065.2 | 1117.5 | 1150.8 | 1148.9 | 1110.9 | 1078.6 | 1082.2 | 1086.9 |
| 30° | 1044.8 | 1052.3 | 1080.3 | 1129.6 | 1181.9 | 1214.5 | 1212.1 | 1162.0 | 1113.4 | 1103.6 | 1107.0 |
| 32.5° | 1123.8 | 1132.8 | 1159.3 | 1208.0 | 1254.2 | 1283.6 | 1276.5 | 1217.5 | 1155.2 | 1134.0 | 1137.1 |
| 35° | 1218.9 | 1224.2 | 1252.2 | 1300.1 | 1337.6 | 1357.8 | 1343.0 | 1281.6 | 1208.2 | 1182.7 | 1182.7 |
| 37.5° | 1315.2 | 1319.4 | 1350.7 | 1397.2 | 1433.4 | 1444.1 | 1415.2 | 1351.9 | 1277.5 | 1241.2 | 1242.0 |
| 40° | 1407.6 | 1418.8 | 1454.1 | 1501.7 | 1537.5 | 1540.4 | 1502.0 | 1432.2 | 1354.6 | 1317.1 | 1321.5 |
| 42.5° | 1504.2 | 1515.1 | 1557.1 | 1611.2 | 1642.8 | 1647.6 | 1602.7 | 1522.2 | 1441.7 | 1411.3 | 1416.1 |
| 45° | 1590.2 | 1599.0 | 1647.6 | 1710.4 | 1749.8 | 1762.4 | 1709.1 | 1625.2 | 1535.8 | 1506.1 | 1507.4 |
| 47.5° | 1650.3 | 1661.8 | 1715.2 | 1789.2 | 1846.6 | 1866.0 | 1813.8 | 1725.7 | 1628.4 | 1592.5 | 1595.6 |
| 50° | 1704.8 | 1710.9 | 1765.1 | 1845.8 | 1918.8 | 1958.9 | 1914.2 | 1825.0 | 1722.1 | 1683.9 | 1687.2 |
| 52.5° | 1735.2 | 1743.0 | 1795.5 | 1879.6 | 1966.0 | 2030.7 | 2003.4 | 1914.2 | 1812.6 | 1775.4 | 1779.5 |
| 55° | 1714.0 | 1719.8 | 1782.9 | 1887.1 | 1995.2 | 2074.9 | 2079.1 | 2001.5 | 1901.3 | 1868.7 | 1880.4 |
| 57.5° | 1617.7 | 1625.1 | 1701.9 | 1838.6 | 1998.8 | 2104.8 | 2136.0 | 2082.4 | 1984.2 | 1957.7 | 1964.6 |
| 60° | 1467.2 | 1471.8 | 1553.8 | 1707.4 | 1927.8 | 2117.3 | 2172.3 | 2148.6 | 2065.4 | 2039.0 | 2048.2 |
| 62.5° | 1198.9 | 1205.8 | 1303.8 | 1509.8 | 1777.7 | 2080.6 | 2207.2 | 2203.3 | 2141.1 | 2116.7 | 2125.0 |
| 65° | 819.5 | 831.5 | 940.0 | 1200.5 | 1546.4 | 1968.2 | 2239.1 | 2267.0 | 2208.0 | 2177.3 | 2188.2 |
| 67.5° | 494.9 | 503.7 | 582.2 | 792.6 | 1183.4 | 1741.5 | 2206.3 | 2339.6 | 2255.1 | 2205.8 | 2214.8 |
| 68° | 442.4 | 450.4 | 516.1 | 715.3 | 1094.6 | 1677.6 | 2176.4 | 2347.8 | 2260.3 | 2205.3 | 2213.3 |
| 70° | 267.3 | 272.6 | 316.7 | 442.2 | 729.8 | 1330.7 | 1972.4 | 2341.0 | 2292.9 | 2212.1 | 2216.7 |
| 72.5° | 174.2 | 175.9 | 183.1 | 226.9 | 372.8 | 744.2 | 1480.3 | 2181.5 | 2341.7 | 2251.7 | 2251.0 |
| 75° | 144.7 | 143.7 | 144.5 | 149.6 | 183.8 | 326.3 | 865.1 | 1723.3 | 2232.3 | 2189.3 | 2173.9 |
| 77.5° | 122.3 | 121.6 | 121.4 | 121.6 | 123.1 | 157.6 | 375.5 | 1073.4 | 1708.2 | 1936.6 | 1950.2 |
| 80° | 99.0 | 98.0 | 101.2 | 99.7 | 95.3 | 98.0 | 157.3 | 446.5 | 805.2 | 866.2 | 811.8 |
| 82.5° | 72.0 | 68.3 | 81.9 | 78.1 | 74.4 | 69.0 | 86.8 | 144.2 | 192.1 | 131.8 | 92.6 |
| 85° | 55.4 | 51.6 | 62.3 | 59.8 | 51.1 | 35.2 | 51.6 | 70.5 | 77.8 | 44.5 | 35.0 |
| 87.5° | 22.6 | 23.9 | 45.0 | 35.5 | 29.9 | 17.0 | 21.1 | 28.2 | 38.0 | 19.0 | 14.6 |
| 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



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