

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: P386518

Luminaire Tested: **GWC-SA2B-722-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2B-722-U-5MQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9210 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

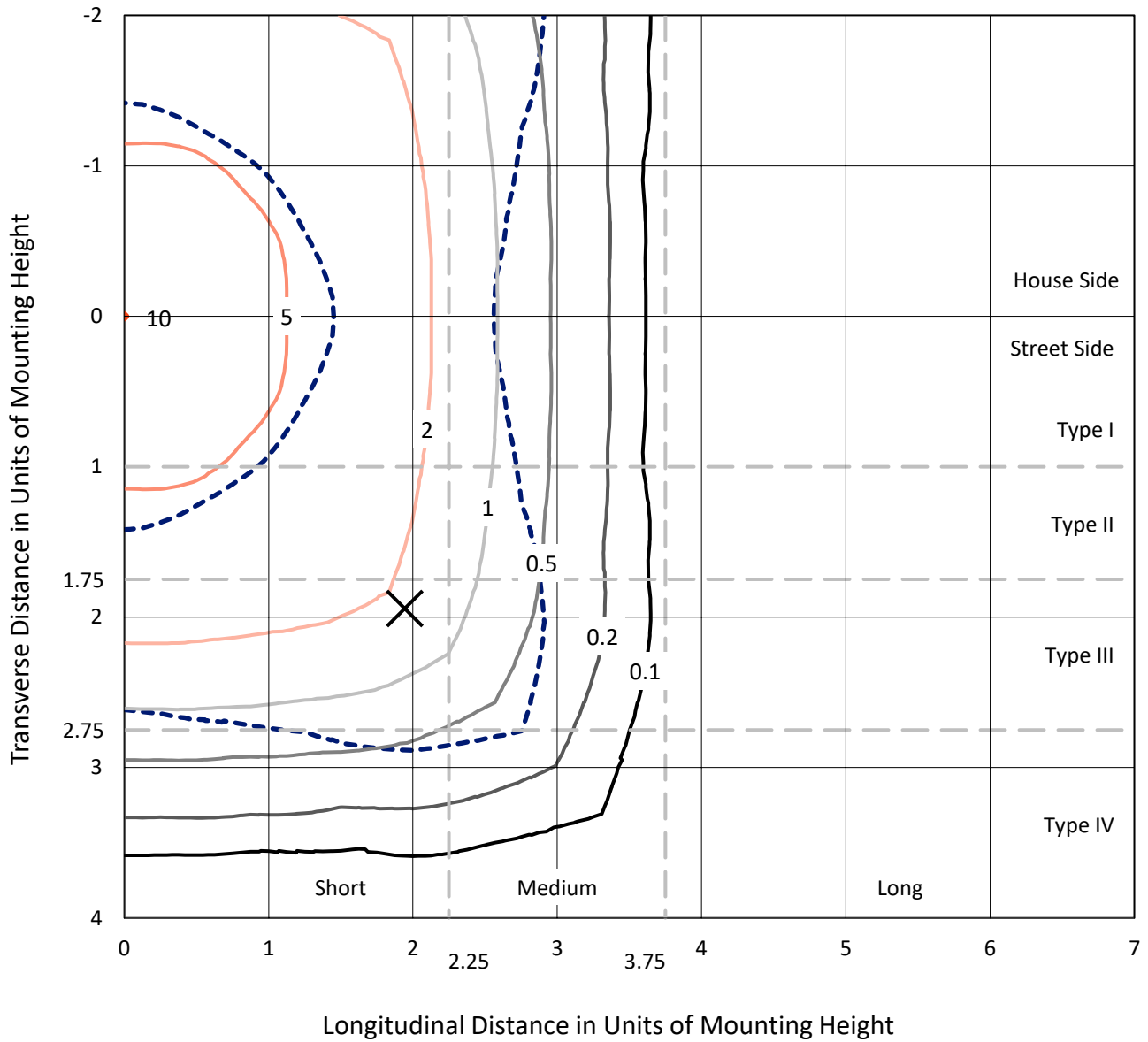
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

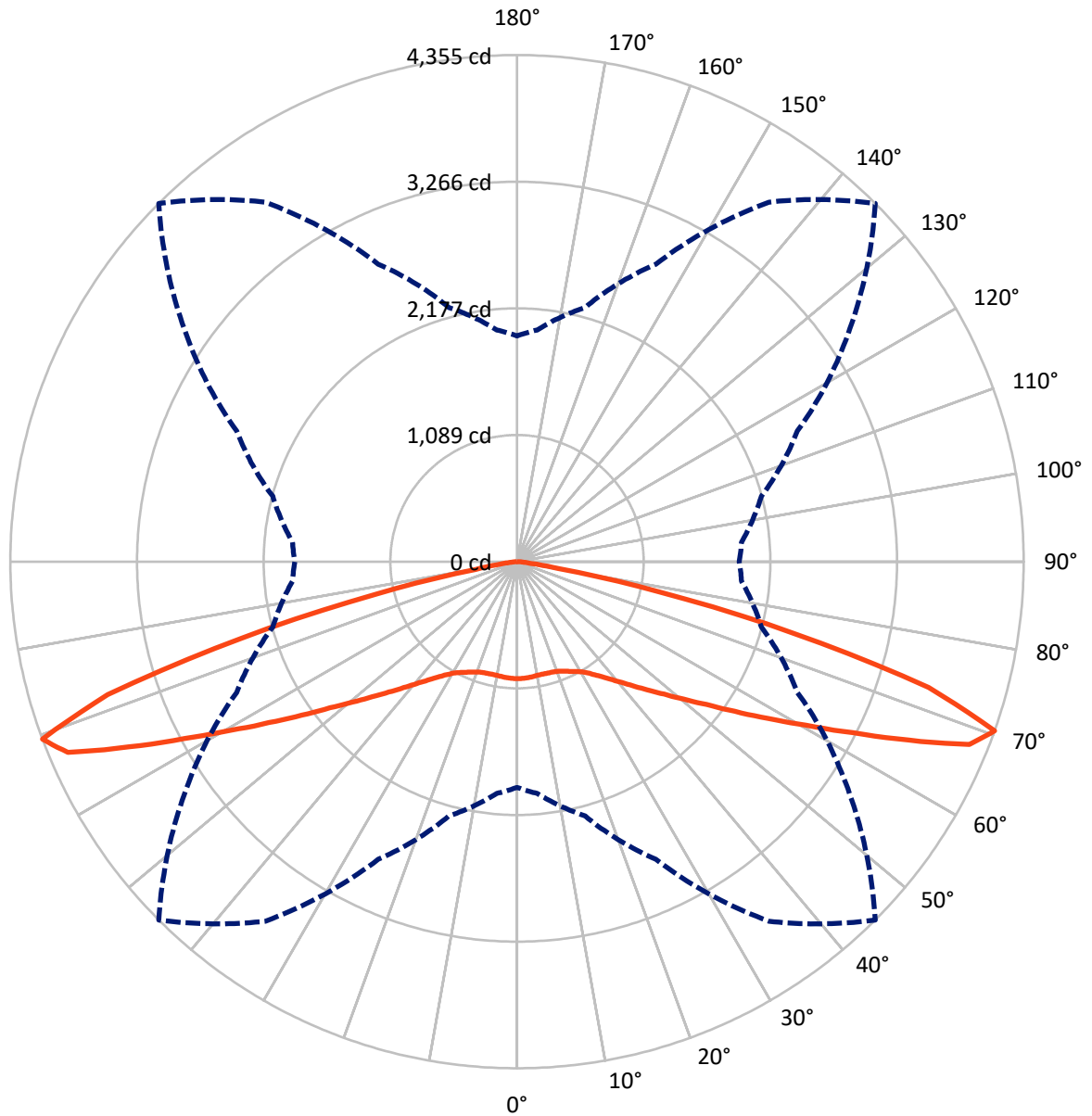
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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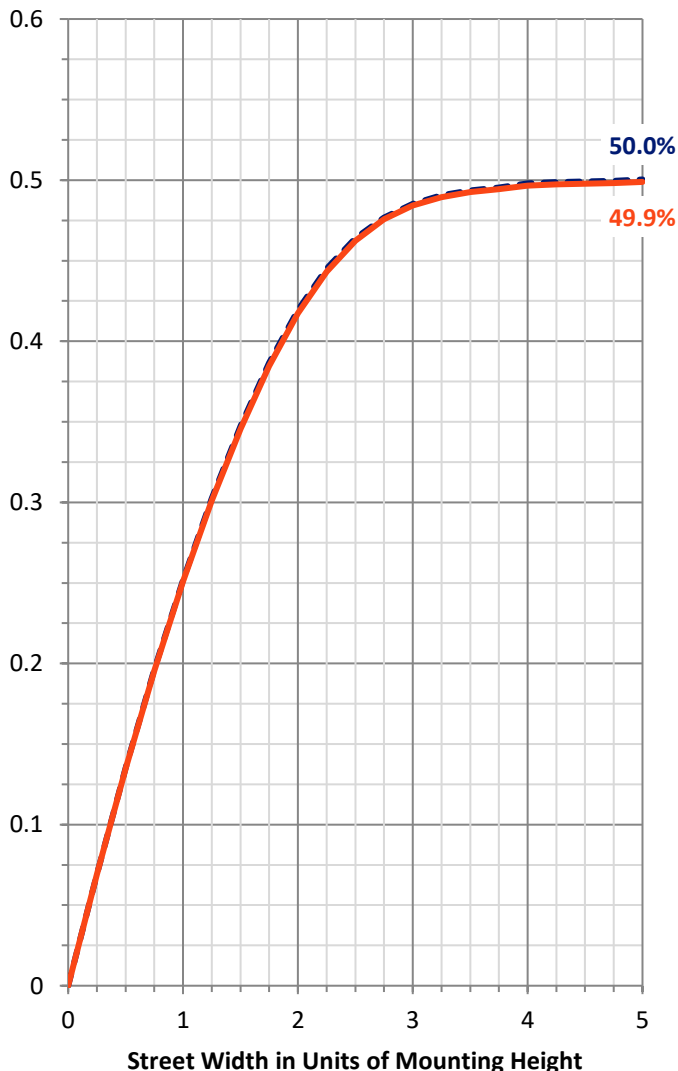
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4605.0 | 0.0 | 4605.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4605.0 | 0.0 | 4605.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9210.0 | 0.0 | 9210.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.3 | 1.0 |
| 10°-20° | 279.7 | 3.0 |
| 20°-30° | 476.1 | 5.2 |
| 30°-40° | 755.1 | 8.2 |
| 40°-50° | 1228.8 | 13.3 |
| 50°-60° | 2026.0 | 22.0 |
| 60°-70° | 2974.3 | 32.3 |
| 70°-80° | 1315.2 | 14.3 |
| 80°-90° | 59.6 | 0.6 |
| 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° | 9210.0 | 100.0 |
| 0°-180° | 9210.0 | 100.0 |

Coefficient of Utilization



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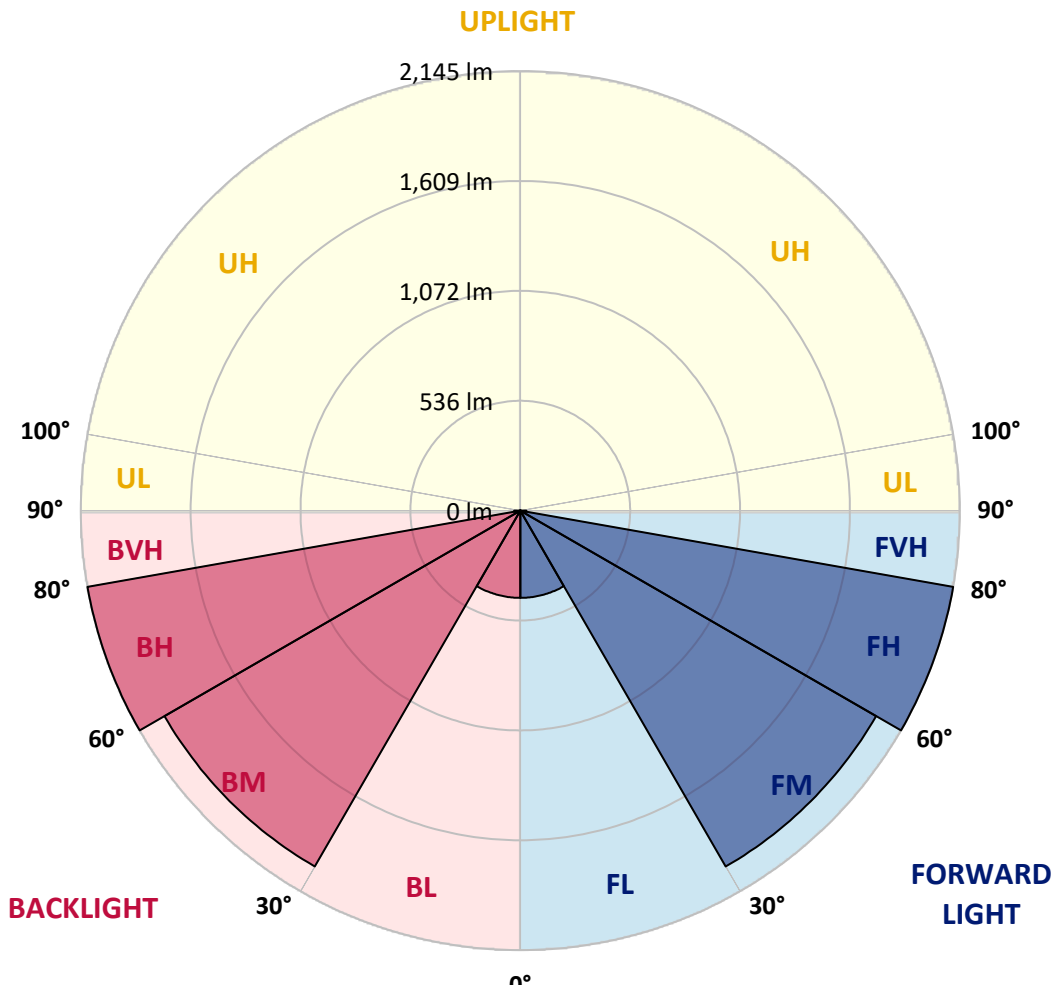
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 425.5 | 4.6 | | | |
| FM (30°-60°) | 2004.9 | 21.8 | | | |
| FH (60°-80°) | 2144.7 | 23.3 | | | G2/5000 |
| FVH (80°-90°) | 29.8 | 0.3 | | | G1/100 |
| BL (0°-30°) | 425.5 | 4.6 | B1/500 | | |
| BM (30°-60°) | 2004.9 | 21.8 | B2/2500 | | |
| BH (60°-80°) | 2144.7 | 23.3 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 29.8 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 | 1005.9 |
| 2.5° | 1004.4 | 1003.4 | 1005.6 | 1005.3 | 1003.4 | 1003.7 | 1003.7 | 1004.7 | 1004.7 | 1004.0 | 1004.0 |
| 5° | 1000.7 | 1000.1 | 1002.5 | 1002.5 | 1000.7 | 1001.3 | 1001.9 | 1002.8 | 1002.5 | 1001.9 | 1001.6 |
| 7.5° | 996.1 | 995.8 | 998.3 | 998.3 | 997.0 | 997.6 | 997.0 | 997.3 | 996.7 | 996.1 | 995.2 |
| 10° | 988.5 | 989.1 | 991.2 | 991.9 | 991.9 | 992.2 | 991.5 | 990.0 | 989.1 | 988.2 | 987.3 |
| 12.5° | 981.5 | 981.2 | 984.2 | 985.8 | 988.2 | 990.9 | 989.1 | 984.8 | 983.0 | 981.2 | 980.6 |
| 15° | 976.9 | 977.2 | 980.3 | 983.0 | 987.3 | 993.1 | 990.9 | 984.2 | 980.6 | 978.4 | 977.8 |
| 17.5° | 976.0 | 976.6 | 980.6 | 985.5 | 990.0 | 996.4 | 995.2 | 988.5 | 982.4 | 978.4 | 977.5 |
| 20° | 978.1 | 978.4 | 984.5 | 991.5 | 999.5 | 1005.6 | 1002.8 | 995.5 | 987.3 | 981.2 | 979.7 |
| 22.5° | 982.1 | 983.3 | 990.9 | 1001.9 | 1014.1 | 1022.3 | 1019.0 | 1006.5 | 993.7 | 986.1 | 983.9 |
| 25° | 994.6 | 994.9 | 1005.3 | 1020.2 | 1034.8 | 1044.3 | 1040.3 | 1022.6 | 1006.2 | 997.6 | 994.9 |
| 27.5° | 1020.5 | 1021.4 | 1031.8 | 1049.2 | 1061.7 | 1067.8 | 1065.3 | 1051.0 | 1037.0 | 1027.8 | 1028.7 |
| 30° | 1058.0 | 1059.2 | 1070.8 | 1090.0 | 1097.6 | 1099.1 | 1098.5 | 1091.8 | 1079.0 | 1066.8 | 1067.8 |
| 32.5° | 1103.7 | 1104.3 | 1119.9 | 1137.2 | 1143.3 | 1144.6 | 1143.3 | 1137.2 | 1122.0 | 1105.5 | 1106.5 |
| 35° | 1162.5 | 1164.4 | 1179.3 | 1196.1 | 1201.0 | 1203.4 | 1201.3 | 1193.3 | 1177.5 | 1161.3 | 1160.7 |
| 37.5° | 1235.1 | 1235.4 | 1250.9 | 1268.3 | 1274.4 | 1275.0 | 1272.6 | 1267.4 | 1247.6 | 1233.0 | 1232.0 |
| 40° | 1319.2 | 1320.4 | 1338.7 | 1357.3 | 1359.8 | 1357.0 | 1360.4 | 1357.3 | 1336.9 | 1320.1 | 1322.9 |
| 42.5° | 1421.6 | 1424.4 | 1446.3 | 1464.6 | 1457.6 | 1456.1 | 1458.2 | 1459.1 | 1442.7 | 1422.2 | 1420.4 |
| 45° | 1540.8 | 1543.3 | 1570.7 | 1585.3 | 1580.7 | 1570.7 | 1575.0 | 1582.3 | 1559.4 | 1534.1 | 1536.6 |
| 47.5° | 1676.8 | 1682.9 | 1712.1 | 1725.8 | 1714.6 | 1700.8 | 1709.1 | 1720.0 | 1693.2 | 1661.8 | 1660.3 |
| 50° | 1827.9 | 1835.6 | 1874.6 | 1893.8 | 1882.5 | 1857.2 | 1870.9 | 1878.2 | 1839.5 | 1799.0 | 1795.6 |
| 52.5° | 1989.2 | 1996.8 | 2045.9 | 2085.5 | 2078.2 | 2038.9 | 2058.1 | 2050.5 | 2006.0 | 1951.4 | 1947.1 |
| 55° | 2171.8 | 2174.8 | 2227.9 | 2291.9 | 2299.2 | 2270.2 | 2269.0 | 2256.5 | 2190.7 | 2127.6 | 2124.5 |
| 57.5° | 2359.5 | 2361.7 | 2430.3 | 2505.8 | 2540.3 | 2540.3 | 2506.2 | 2479.6 | 2392.2 | 2319.0 | 2311.4 |
| 60° | 2562.2 | 2569.9 | 2645.8 | 2748.5 | 2828.9 | 2852.7 | 2792.4 | 2720.1 | 2625.0 | 2535.7 | 2526.9 |
| 62.5° | 2742.7 | 2751.5 | 2867.7 | 3020.7 | 3149.9 | 3236.5 | 3089.0 | 2971.3 | 2798.2 | 2654.9 | 2638.1 |
| 65° | 2765.5 | 2789.3 | 2958.5 | 3235.6 | 3524.8 | 3697.7 | 3414.8 | 3124.9 | 2809.4 | 2610.4 | 2593.3 |
| 67.5° | 2525.7 | 2565.9 | 2794.5 | 3225.8 | 3823.5 | 4194.5 | 3623.0 | 3037.1 | 2607.0 | 2387.0 | 2368.1 |
| 70° | 1940.7 | 1999.3 | 2262.9 | 2821.6 | 3772.0 | 4354.5 | 3492.5 | 2658.9 | 2173.6 | 1936.8 | 1910.2 |
| 72.5° | 1064.7 | 1088.8 | 1325.9 | 1932.2 | 3024.0 | 3700.4 | 2913.1 | 1966.0 | 1441.4 | 1172.9 | 1128.4 |
| 75° | 337.7 | 346.3 | 467.0 | 790.7 | 1710.6 | 2451.0 | 1850.5 | 965.0 | 531.3 | 391.7 | 387.1 |
| 77.5° | 150.0 | 150.9 | 168.9 | 230.7 | 589.2 | 1241.8 | 707.8 | 262.7 | 181.1 | 158.2 | 163.4 |
| 80° | 94.8 | 94.8 | 104.6 | 114.3 | 160.3 | 360.6 | 191.4 | 125.0 | 106.7 | 99.1 | 101.2 |
| 82.5° | 45.4 | 50.3 | 68.0 | 73.2 | 88.1 | 121.3 | 98.1 | 81.7 | 71.3 | 53.0 | 49.4 |
| 85° | 29.9 | 25.0 | 43.0 | 48.5 | 51.2 | 58.2 | 57.0 | 54.0 | 46.6 | 26.5 | 29.6 |
| 87.5° | 13.4 | 12.8 | 22.3 | 20.4 | 19.2 | 14.6 | 21.9 | 27.1 | 26.2 | 13.1 | 13.1 |
| 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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