

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: P386579

Luminaire Tested: **GWC-SA2B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386579
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-SA2B-730-U-RW
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11102 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

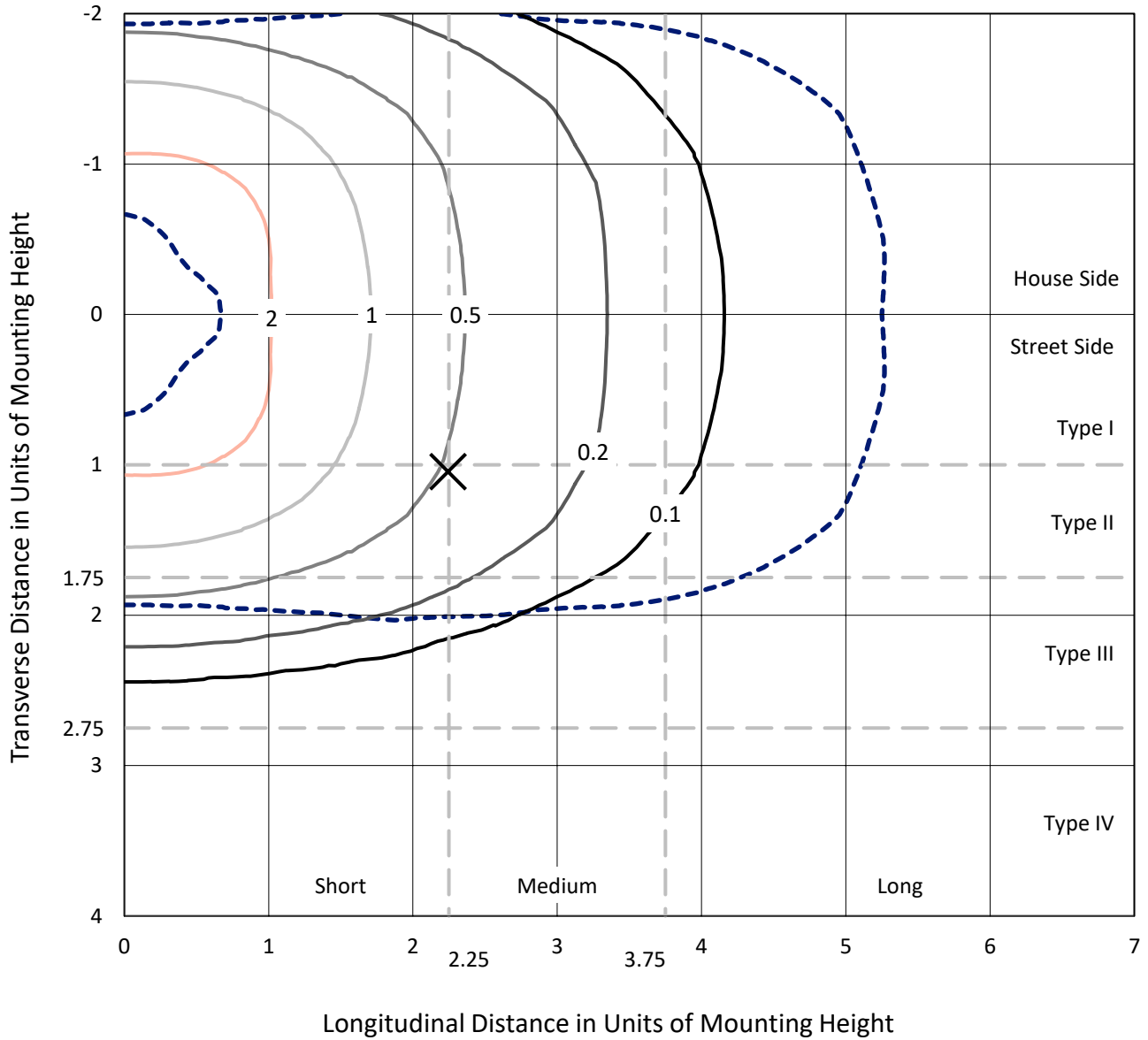
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

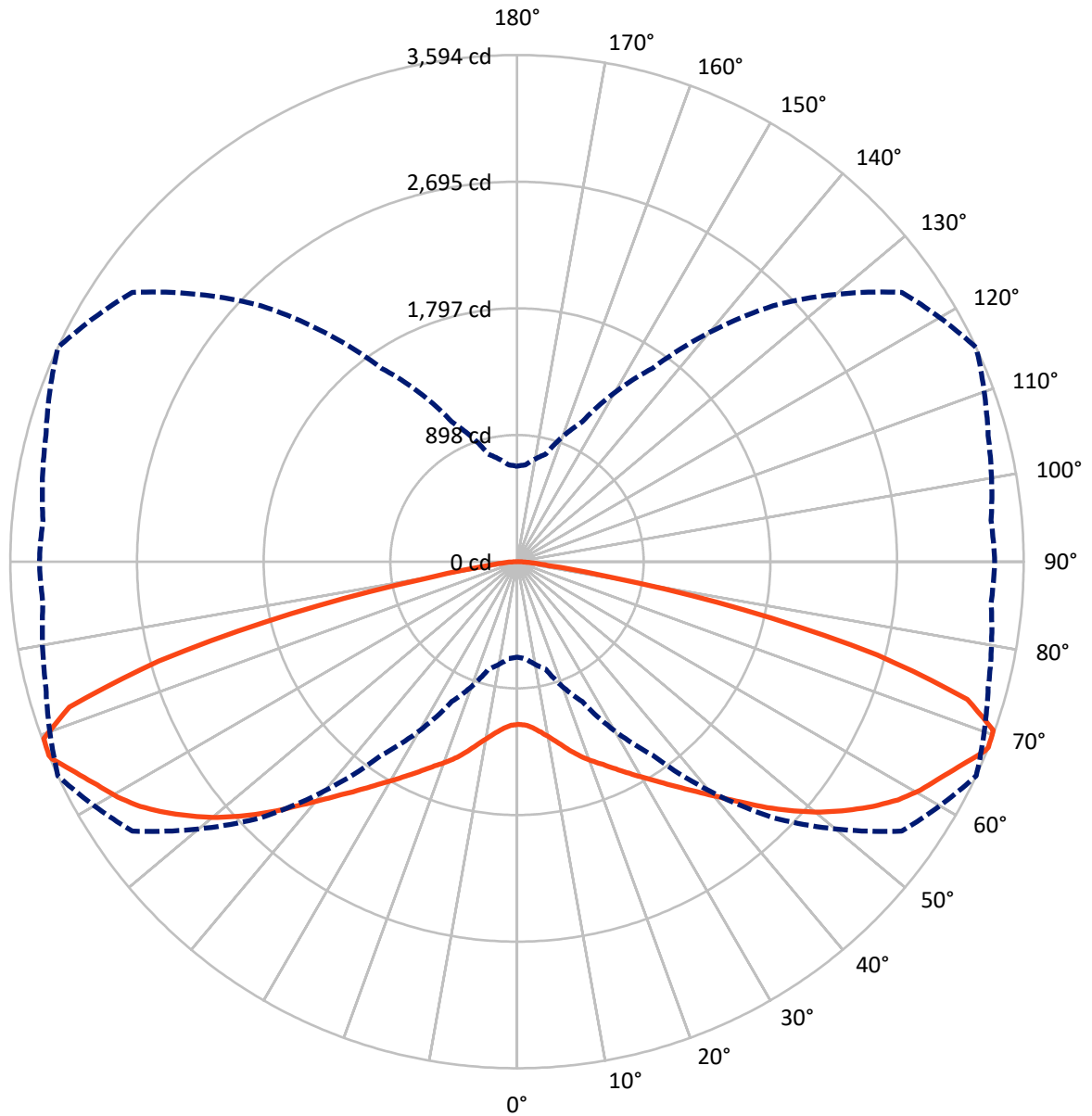
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 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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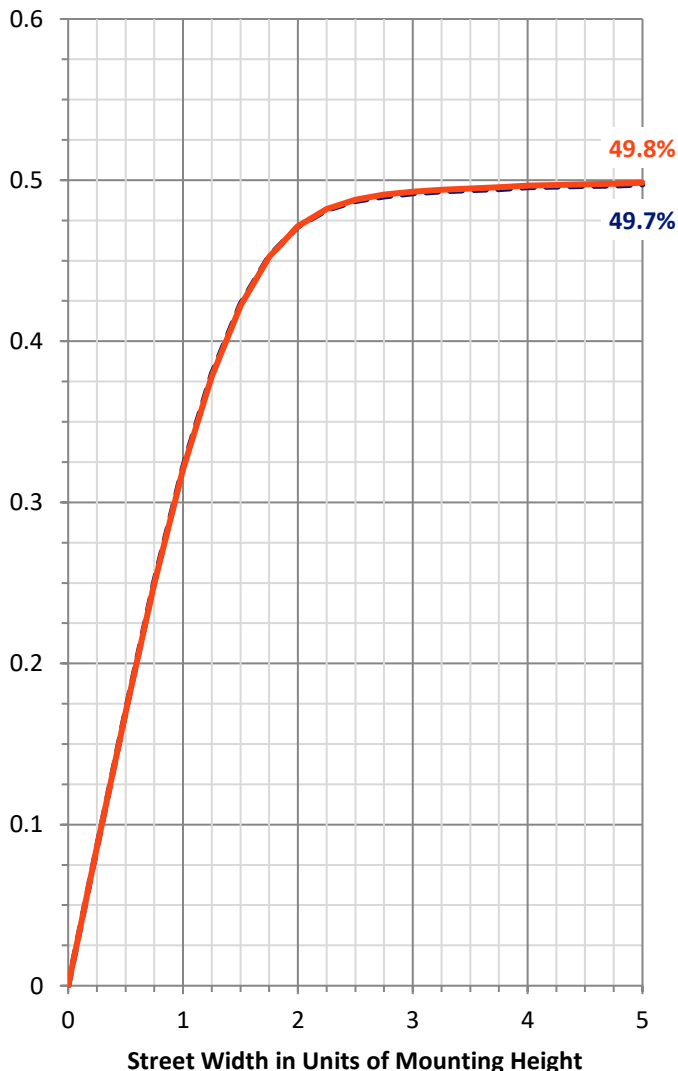
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5551.0 | 0.0 | 5551.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5551.0 | 0.0 | 5551.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11102.0 | 0.0 | 11102.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 113.0 | 1.0 |
| 10°-20° | 378.4 | 3.4 |
| 20°-30° | 737.8 | 6.6 |
| 30°-40° | 1239.5 | 11.2 |
| 40°-50° | 1953.1 | 17.6 |
| 50°-60° | 2611.9 | 23.5 |
| 60°-70° | 2539.1 | 22.9 |
| 70°-80° | 1388.0 | 12.5 |
| 80°-90° | 141.2 | 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° | 11102.0 | 100.0 |
| 0°-180° | 11102.0 | 100.0 |

Coefficient of Utilization



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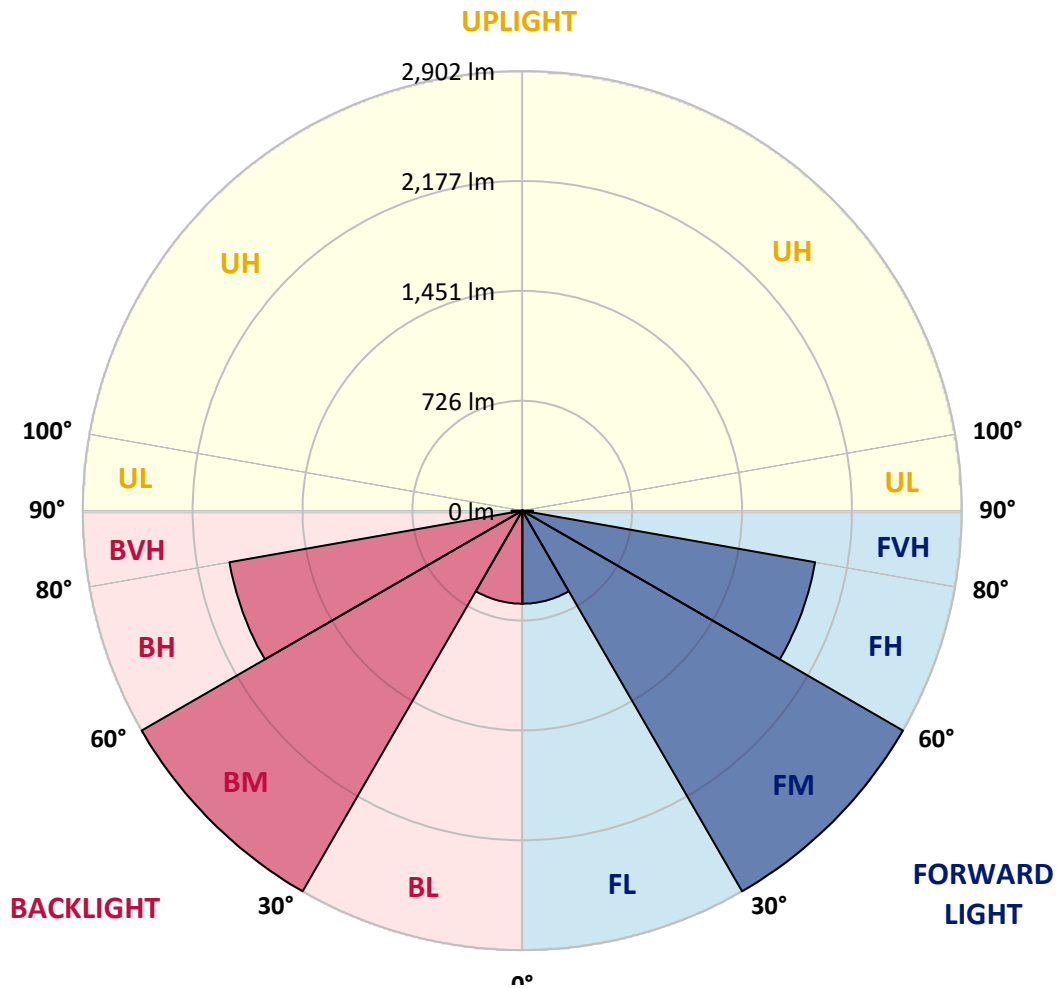
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 614.6 | 5.5 | | | |
| FM (30°-60°) | 2902.2 | 26.1 | | | |
| FH (60°-80°) | 1963.5 | 17.7 | | | G2/5000 |
| FVH (80°-90°) | 70.6 | 0.6 | | | G1/100 |
| BL (0°-30°) | 614.6 | 5.5 | B2/1000 | | |
| BM (30°-60°) | 2902.2 | 26.1 | B3/5000 | | |
| BH (60°-80°) | 1963.5 | 17.7 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 70.6 | 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





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 | 1154.3 |
| 2.5° | 1146.2 | 1146.5 | 1148.4 | 1150.6 | 1152.5 | 1157.3 | 1158.4 | 1160.3 | 1161.0 | 1162.9 | 1162.9 |
| 5° | 1136.1 | 1136.9 | 1141.3 | 1147.3 | 1154.0 | 1165.9 | 1174.4 | 1184.1 | 1189.0 | 1194.2 | 1193.8 |
| 7.5° | 1135.0 | 1136.9 | 1143.2 | 1152.9 | 1164.0 | 1183.8 | 1201.6 | 1221.0 | 1234.0 | 1245.9 | 1245.2 |
| 10° | 1146.5 | 1149.5 | 1158.4 | 1173.0 | 1189.7 | 1214.3 | 1240.7 | 1266.8 | 1289.5 | 1307.7 | 1308.5 |
| 12.5° | 1164.0 | 1167.7 | 1181.9 | 1203.9 | 1229.2 | 1260.8 | 1292.1 | 1321.5 | 1352.8 | 1379.9 | 1382.2 |
| 15° | 1187.1 | 1191.9 | 1213.2 | 1245.9 | 1284.6 | 1322.2 | 1355.7 | 1385.9 | 1422.0 | 1459.6 | 1463.3 |
| 17.5° | 1221.4 | 1228.1 | 1256.0 | 1300.3 | 1351.3 | 1392.6 | 1427.6 | 1450.3 | 1480.4 | 1519.2 | 1526.2 |
| 20° | 1273.5 | 1282.0 | 1317.4 | 1370.3 | 1432.4 | 1475.6 | 1502.4 | 1507.2 | 1522.1 | 1556.7 | 1564.9 |
| 22.5° | 1341.2 | 1348.7 | 1388.1 | 1451.0 | 1520.6 | 1567.5 | 1581.7 | 1562.3 | 1560.8 | 1588.8 | 1596.6 |
| 25° | 1416.8 | 1423.5 | 1469.3 | 1540.0 | 1614.8 | 1666.6 | 1666.2 | 1628.6 | 1602.5 | 1624.1 | 1632.3 |
| 27.5° | 1501.7 | 1512.1 | 1556.0 | 1630.5 | 1710.5 | 1761.5 | 1758.5 | 1700.4 | 1650.9 | 1656.5 | 1663.6 |
| 30° | 1599.2 | 1610.7 | 1653.5 | 1729.1 | 1809.1 | 1859.0 | 1855.3 | 1778.6 | 1704.2 | 1689.3 | 1694.5 |
| 32.5° | 1720.2 | 1733.9 | 1774.5 | 1849.0 | 1919.7 | 1964.7 | 1953.9 | 1863.5 | 1768.2 | 1735.8 | 1740.6 |
| 35° | 1865.7 | 1873.9 | 1916.7 | 1990.0 | 2047.4 | 2078.3 | 2055.6 | 1961.8 | 1849.3 | 1810.3 | 1810.3 |
| 37.5° | 2013.1 | 2019.5 | 2067.5 | 2138.6 | 2194.0 | 2210.4 | 2166.1 | 2069.3 | 1955.4 | 1900.0 | 1901.1 |
| 40° | 2154.6 | 2171.7 | 2225.7 | 2298.6 | 2353.4 | 2357.8 | 2299.0 | 2192.2 | 2073.4 | 2016.1 | 2022.8 |
| 42.5° | 2302.4 | 2319.1 | 2383.5 | 2466.2 | 2514.5 | 2522.0 | 2453.1 | 2329.9 | 2206.7 | 2160.2 | 2167.6 |
| 45° | 2434.1 | 2447.5 | 2522.0 | 2618.0 | 2678.3 | 2697.7 | 2616.2 | 2487.7 | 2350.8 | 2305.3 | 2307.2 |
| 47.5° | 2526.1 | 2543.6 | 2625.5 | 2738.6 | 2826.5 | 2856.3 | 2776.2 | 2641.5 | 2492.6 | 2437.5 | 2442.3 |
| 50° | 2609.5 | 2618.8 | 2701.8 | 2825.4 | 2937.1 | 2998.5 | 2930.0 | 2793.4 | 2635.9 | 2577.5 | 2582.7 |
| 52.5° | 2656.0 | 2667.9 | 2748.3 | 2877.1 | 3009.3 | 3108.3 | 3066.6 | 2930.0 | 2774.4 | 2717.4 | 2723.8 |
| 55° | 2623.6 | 2632.6 | 2729.0 | 2888.7 | 3053.9 | 3176.0 | 3182.4 | 3063.6 | 2910.2 | 2860.4 | 2878.2 |
| 57.5° | 2476.2 | 2487.4 | 2605.0 | 2814.2 | 3059.5 | 3221.8 | 3269.5 | 3187.6 | 3037.2 | 2996.6 | 3007.0 |
| 60° | 2245.8 | 2252.9 | 2378.3 | 2613.6 | 2950.8 | 3240.8 | 3324.9 | 3288.8 | 3161.5 | 3120.9 | 3135.1 |
| 62.5° | 1835.2 | 1845.6 | 1995.6 | 2310.9 | 2721.1 | 3184.6 | 3378.5 | 3372.6 | 3277.3 | 3240.1 | 3252.7 |
| 65° | 1254.5 | 1272.7 | 1438.7 | 1837.4 | 2367.1 | 3012.6 | 3427.3 | 3470.1 | 3379.7 | 3332.8 | 3349.5 |
| 67.5° | 757.5 | 770.9 | 891.2 | 1213.2 | 1811.4 | 2665.7 | 3377.1 | 3581.0 | 3451.9 | 3376.3 | 3390.1 |
| 68° | 677.1 | 689.4 | 789.9 | 1094.8 | 1675.5 | 2567.8 | 3331.3 | 3593.7 | 3459.7 | 3375.6 | 3387.8 |
| 70° | 409.1 | 417.3 | 484.7 | 676.8 | 1117.1 | 2037.0 | 3018.9 | 3583.3 | 3509.6 | 3386.0 | 3393.1 |
| 72.5° | 266.5 | 269.1 | 280.3 | 347.3 | 570.7 | 1139.1 | 2265.9 | 3339.1 | 3584.4 | 3446.7 | 3445.5 |
| 75° | 221.5 | 220.0 | 221.1 | 228.9 | 281.4 | 499.6 | 1324.1 | 2637.8 | 3416.9 | 3351.0 | 3327.5 |
| 77.5° | 187.2 | 186.1 | 185.8 | 186.1 | 188.4 | 241.2 | 574.8 | 1643.1 | 2614.7 | 2964.2 | 2985.1 |
| 80° | 151.5 | 150.0 | 154.9 | 152.6 | 145.9 | 150.0 | 240.8 | 683.5 | 1232.5 | 1326.0 | 1242.6 |
| 82.5° | 110.2 | 104.6 | 125.4 | 119.5 | 113.9 | 105.7 | 132.9 | 220.7 | 294.1 | 201.8 | 141.8 |
| 85° | 84.9 | 78.9 | 95.3 | 91.6 | 78.2 | 54.0 | 78.9 | 108.0 | 119.1 | 68.1 | 53.6 |
| 87.5° | 34.6 | 36.5 | 68.9 | 54.3 | 45.8 | 26.1 | 32.4 | 43.2 | 58.1 | 29.0 | 22.3 |
| 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



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