

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: P385930

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385930
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-SA1C-740-U-5MQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7935 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

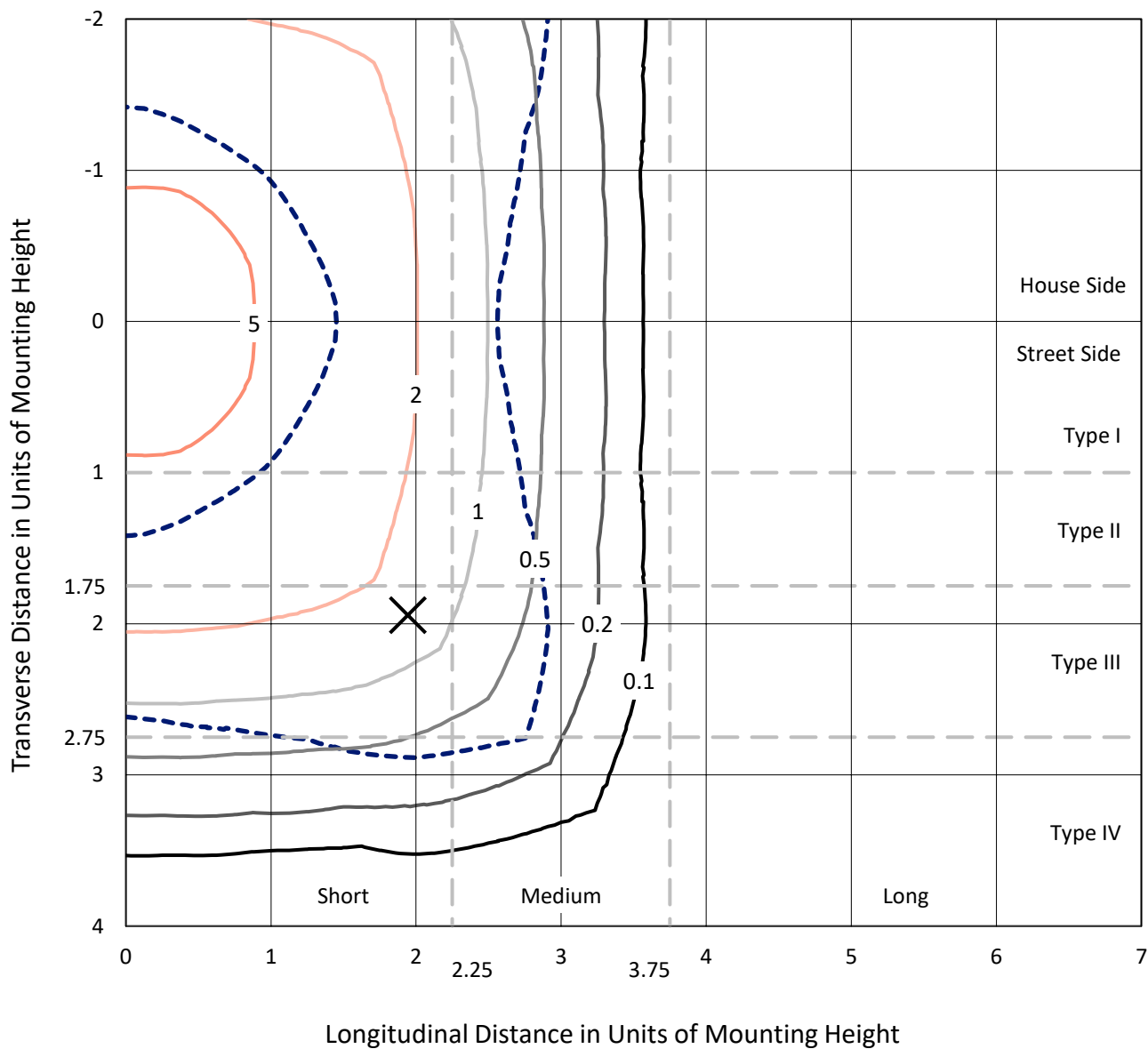
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

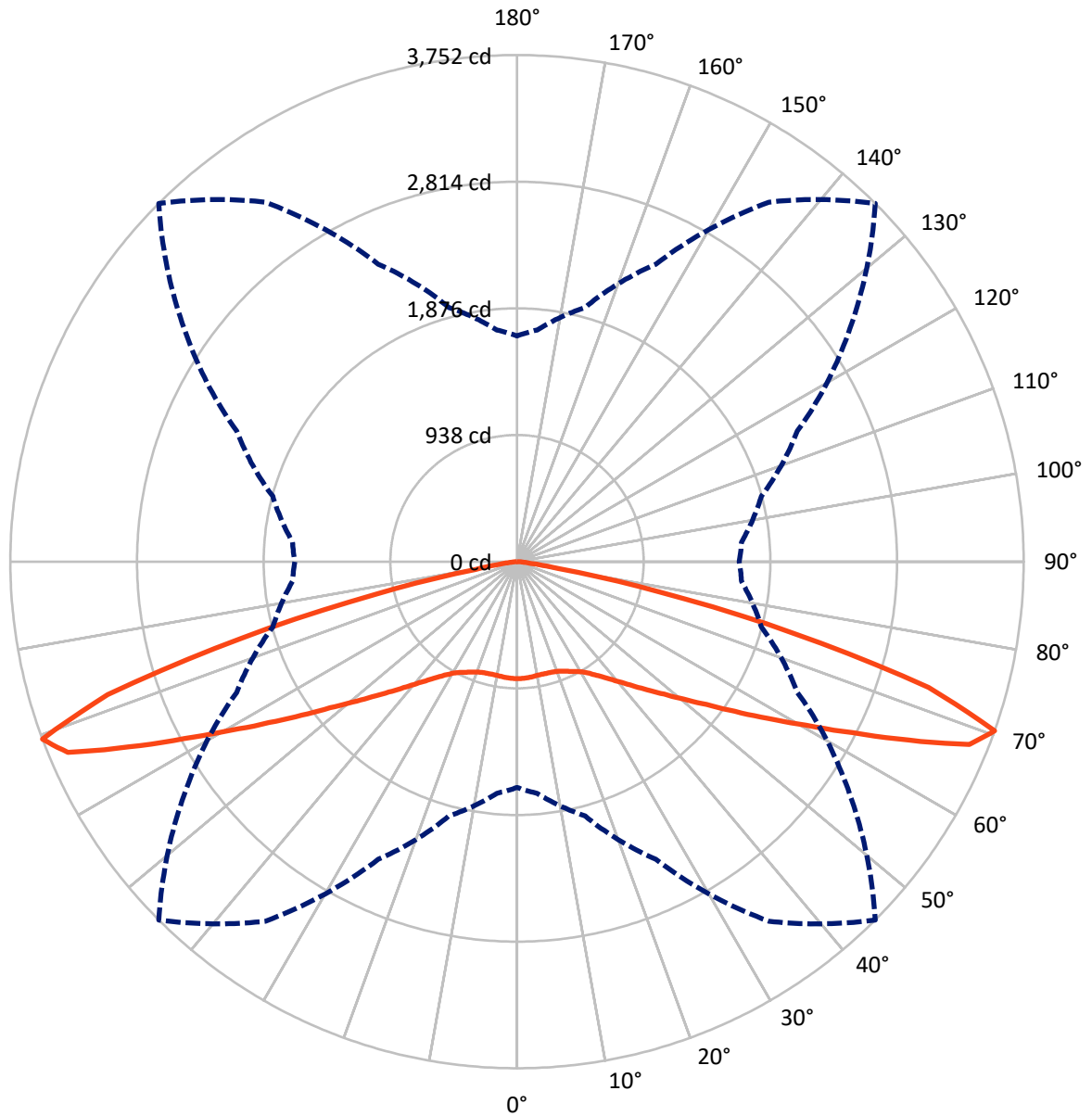
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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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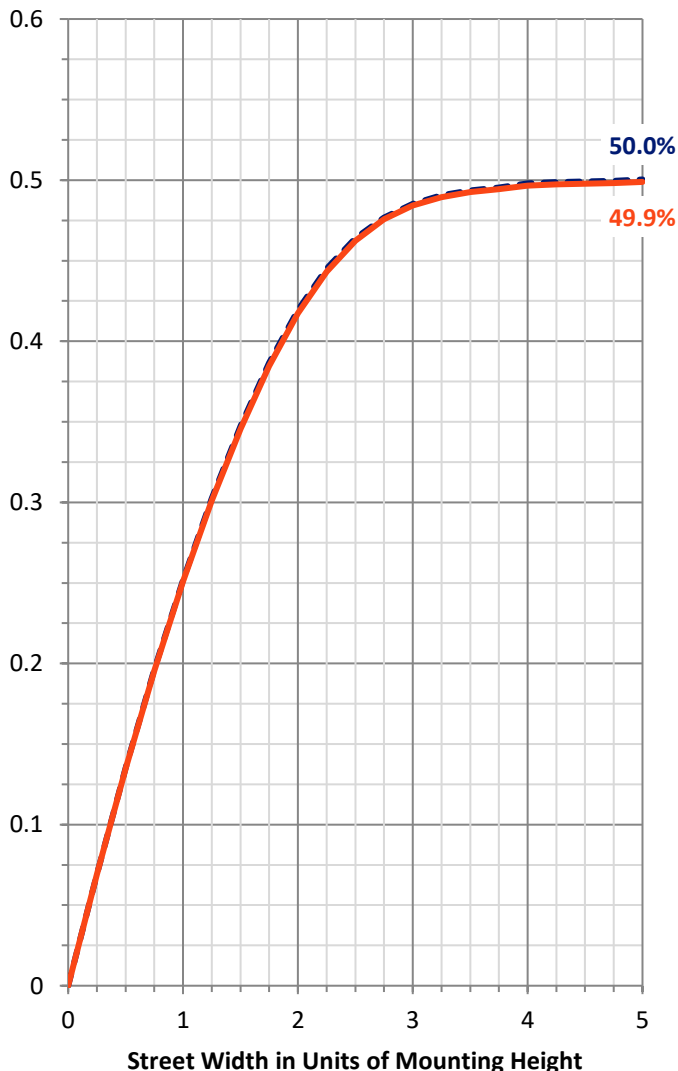
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3967.5 | 0.0 | 3967.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3967.5 | 0.0 | 3967.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7935.0 | 0.0 | 7935.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 82.1 | 1.0 |
| 10°-20° | 241.0 | 3.0 |
| 20°-30° | 410.2 | 5.2 |
| 30°-40° | 650.6 | 8.2 |
| 40°-50° | 1058.7 | 13.3 |
| 50°-60° | 1745.6 | 22.0 |
| 60°-70° | 2562.5 | 32.3 |
| 70°-80° | 1133.1 | 14.3 |
| 80°-90° | 51.3 | 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° | 7935.0 | 100.0 |
| 0°-180° | 7935.0 | 100.0 |

Coefficient of Utilization



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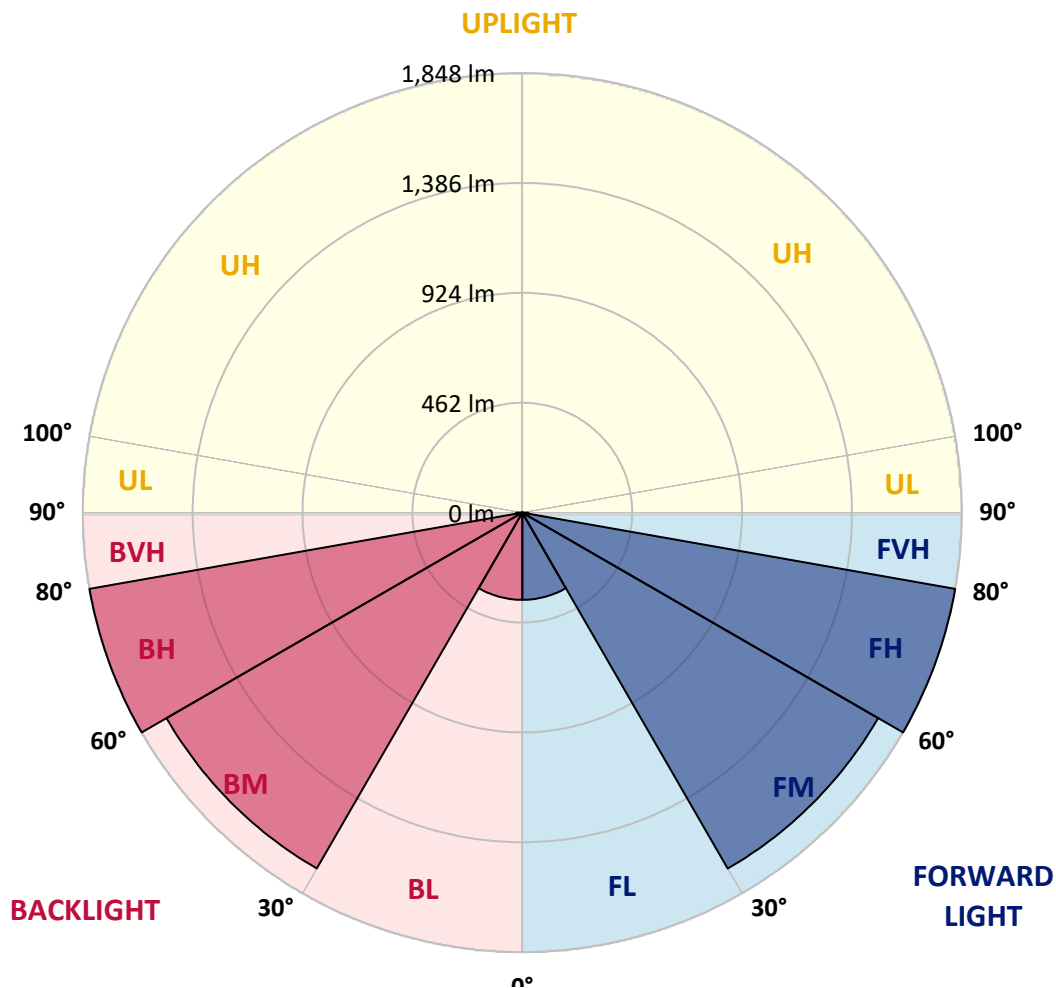
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 366.6 | 4.6 | | | |
| FM (30°-60°) | 1727.4 | 21.8 | | | |
| FH (60°-80°) | 1847.8 | 23.3 | | | G2/5000 |
| FVH (80°-90°) | 25.7 | 0.3 | | | G1/100 |
| BL (0°-30°) | 366.6 | 4.6 | B1/500 | | |
| BM (30°-60°) | 1727.4 | 21.8 | B2/2500 | | |
| BH (60°-80°) | 1847.8 | 23.3 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 25.7 | 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° | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 | 866.6 |
| 2.5° | 865.3 | 864.5 | 866.4 | 866.1 | 864.5 | 864.8 | 864.8 | 865.6 | 865.6 | 865.0 | 865.0 |
| 5° | 862.2 | 861.6 | 863.7 | 863.7 | 862.2 | 862.7 | 863.2 | 864.0 | 863.7 | 863.2 | 862.9 |
| 7.5° | 858.2 | 858.0 | 860.1 | 860.1 | 859.0 | 859.5 | 859.0 | 859.3 | 858.7 | 858.2 | 857.4 |
| 10° | 851.7 | 852.2 | 854.0 | 854.5 | 854.5 | 854.8 | 854.3 | 853.0 | 852.2 | 851.4 | 850.6 |
| 12.5° | 845.6 | 845.4 | 848.0 | 849.3 | 851.4 | 853.8 | 852.2 | 848.5 | 846.9 | 845.4 | 844.8 |
| 15° | 841.7 | 841.9 | 844.6 | 846.9 | 850.6 | 855.6 | 853.8 | 848.0 | 844.8 | 843.0 | 842.5 |
| 17.5° | 840.9 | 841.4 | 844.8 | 849.0 | 853.0 | 858.5 | 857.4 | 851.7 | 846.4 | 843.0 | 842.2 |
| 20° | 842.7 | 843.0 | 848.2 | 854.3 | 861.1 | 866.4 | 864.0 | 857.7 | 850.6 | 845.4 | 844.0 |
| 22.5° | 846.1 | 847.2 | 853.8 | 863.2 | 873.7 | 880.8 | 877.9 | 867.2 | 856.1 | 849.6 | 847.7 |
| 25° | 856.9 | 857.2 | 866.1 | 879.0 | 891.6 | 899.7 | 896.3 | 881.1 | 866.9 | 859.5 | 857.2 |
| 27.5° | 879.2 | 880.0 | 888.9 | 903.9 | 914.7 | 919.9 | 917.8 | 905.5 | 893.4 | 885.5 | 886.3 |
| 30° | 911.5 | 912.6 | 922.6 | 939.1 | 945.7 | 947.0 | 946.5 | 940.7 | 929.7 | 919.1 | 919.9 |
| 32.5° | 950.9 | 951.4 | 964.8 | 979.8 | 985.1 | 986.1 | 985.1 | 979.8 | 966.7 | 952.5 | 953.3 |
| 35° | 1001.6 | 1003.2 | 1016.1 | 1030.5 | 1034.7 | 1036.8 | 1035.0 | 1028.1 | 1014.5 | 1000.6 | 1000.0 |
| 37.5° | 1064.1 | 1064.4 | 1077.8 | 1092.7 | 1098.0 | 1098.5 | 1096.4 | 1091.9 | 1074.9 | 1062.3 | 1061.5 |
| 40° | 1136.6 | 1137.6 | 1153.4 | 1169.4 | 1171.5 | 1169.2 | 1172.0 | 1169.4 | 1151.8 | 1137.4 | 1139.7 |
| 42.5° | 1224.8 | 1227.2 | 1246.1 | 1261.9 | 1255.8 | 1254.5 | 1256.3 | 1257.1 | 1243.0 | 1225.4 | 1223.8 |
| 45° | 1327.5 | 1329.6 | 1353.2 | 1365.9 | 1361.9 | 1353.2 | 1356.9 | 1363.2 | 1343.5 | 1321.7 | 1323.8 |
| 47.5° | 1444.6 | 1449.9 | 1475.1 | 1486.9 | 1477.2 | 1465.4 | 1472.5 | 1481.9 | 1458.8 | 1431.8 | 1430.5 |
| 50° | 1574.9 | 1581.5 | 1615.1 | 1631.6 | 1621.9 | 1600.1 | 1611.9 | 1618.2 | 1584.9 | 1549.9 | 1547.1 |
| 52.5° | 1713.8 | 1720.4 | 1762.7 | 1796.8 | 1790.5 | 1756.6 | 1773.2 | 1766.6 | 1728.3 | 1681.3 | 1677.6 |
| 55° | 1871.1 | 1873.7 | 1919.4 | 1974.6 | 1980.9 | 1955.9 | 1954.9 | 1944.1 | 1887.4 | 1833.0 | 1830.4 |
| 57.5° | 2032.9 | 2034.7 | 2093.8 | 2158.9 | 2188.6 | 2188.6 | 2159.2 | 2136.4 | 2061.0 | 1998.0 | 1991.4 |
| 60° | 2207.5 | 2214.1 | 2279.5 | 2368.0 | 2437.3 | 2457.8 | 2405.8 | 2343.6 | 2261.6 | 2184.7 | 2177.1 |
| 62.5° | 2363.0 | 2370.6 | 2470.7 | 2602.5 | 2713.9 | 2788.4 | 2661.3 | 2560.0 | 2410.8 | 2287.4 | 2272.9 |
| 65° | 2382.7 | 2403.2 | 2548.9 | 2787.6 | 3036.9 | 3185.8 | 2942.1 | 2692.3 | 2420.5 | 2249.0 | 2234.3 |
| 67.5° | 2176.0 | 2210.7 | 2407.6 | 2779.2 | 3294.2 | 3613.8 | 3121.4 | 2616.7 | 2246.1 | 2056.5 | 2040.2 |
| 70° | 1672.1 | 1722.5 | 1949.6 | 2431.0 | 3249.8 | 3751.7 | 3009.0 | 2290.8 | 1872.7 | 1668.6 | 1645.8 |
| 72.5° | 917.3 | 938.1 | 1142.4 | 1664.7 | 2605.4 | 3188.1 | 2509.8 | 1693.9 | 1241.9 | 1010.5 | 972.2 |
| 75° | 291.0 | 298.3 | 402.3 | 681.2 | 1473.8 | 2111.7 | 1594.3 | 831.4 | 457.7 | 337.5 | 333.5 |
| 77.5° | 129.2 | 130.0 | 145.5 | 198.8 | 507.6 | 1069.9 | 609.8 | 226.4 | 156.0 | 136.3 | 140.8 |
| 80° | 81.7 | 81.7 | 90.1 | 98.5 | 138.1 | 310.7 | 164.9 | 107.7 | 91.9 | 85.3 | 87.2 |
| 82.5° | 39.1 | 43.3 | 58.6 | 63.0 | 75.9 | 104.5 | 84.6 | 70.4 | 61.5 | 45.7 | 42.5 |
| 85° | 25.7 | 21.5 | 37.0 | 41.8 | 44.1 | 50.2 | 49.1 | 46.5 | 40.2 | 22.8 | 25.5 |
| 87.5° | 11.6 | 11.0 | 19.2 | 17.6 | 16.5 | 12.6 | 18.9 | 23.4 | 22.6 | 11.3 | 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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