

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: P387108

Luminaire Tested: **GWC-SA2D-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P387108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2D-760-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17056 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

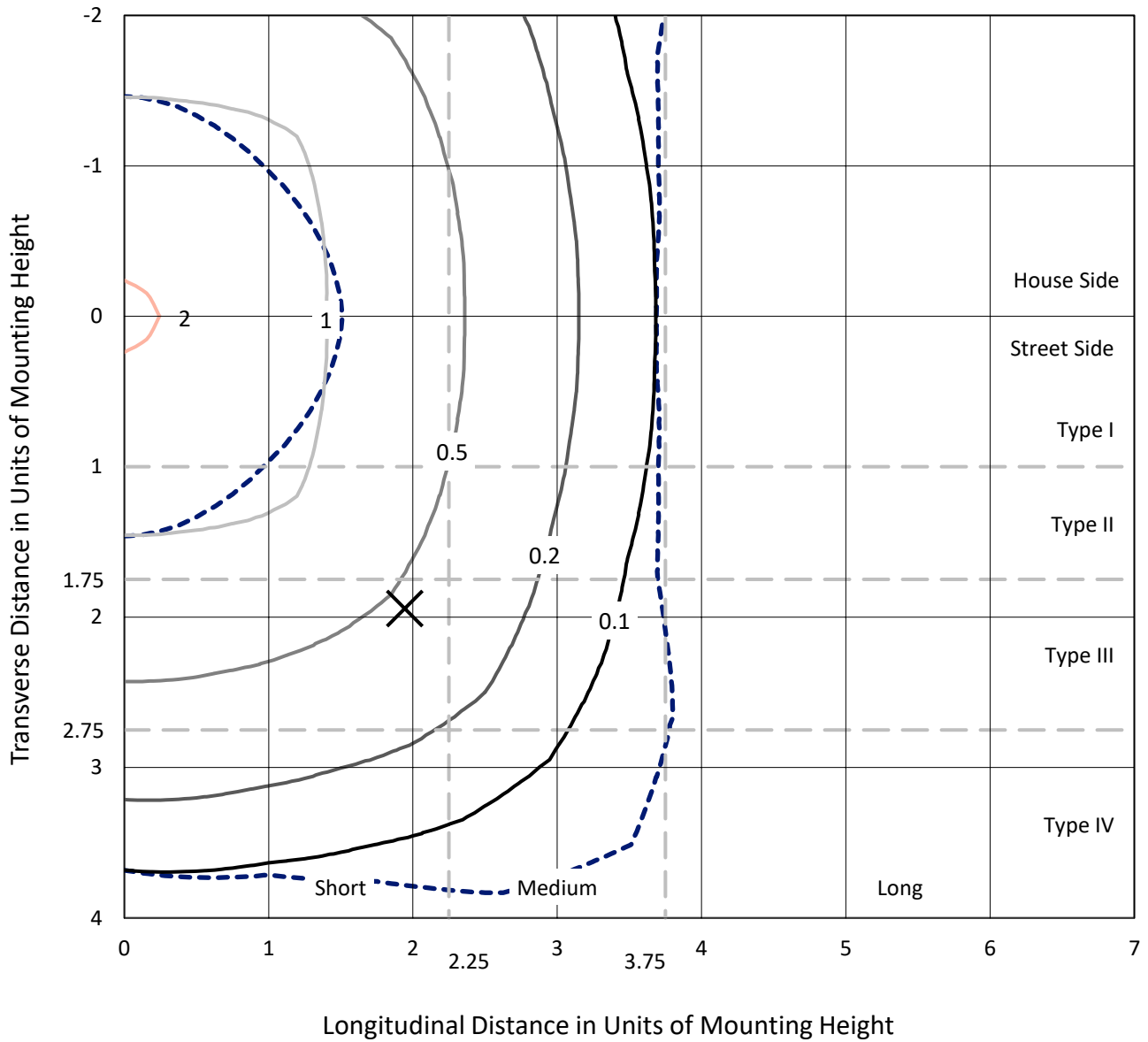
Input Watts (W): 129
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

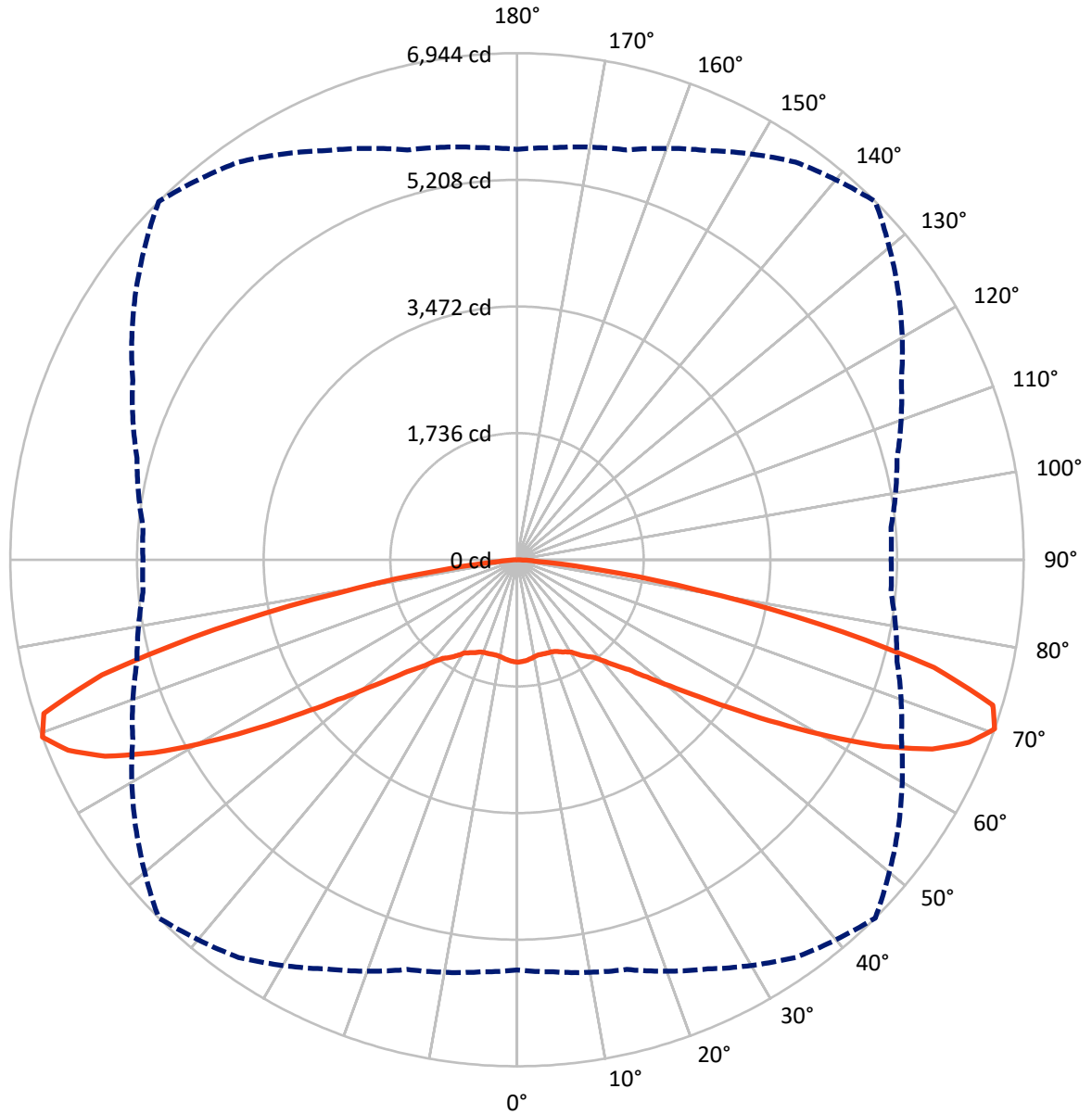
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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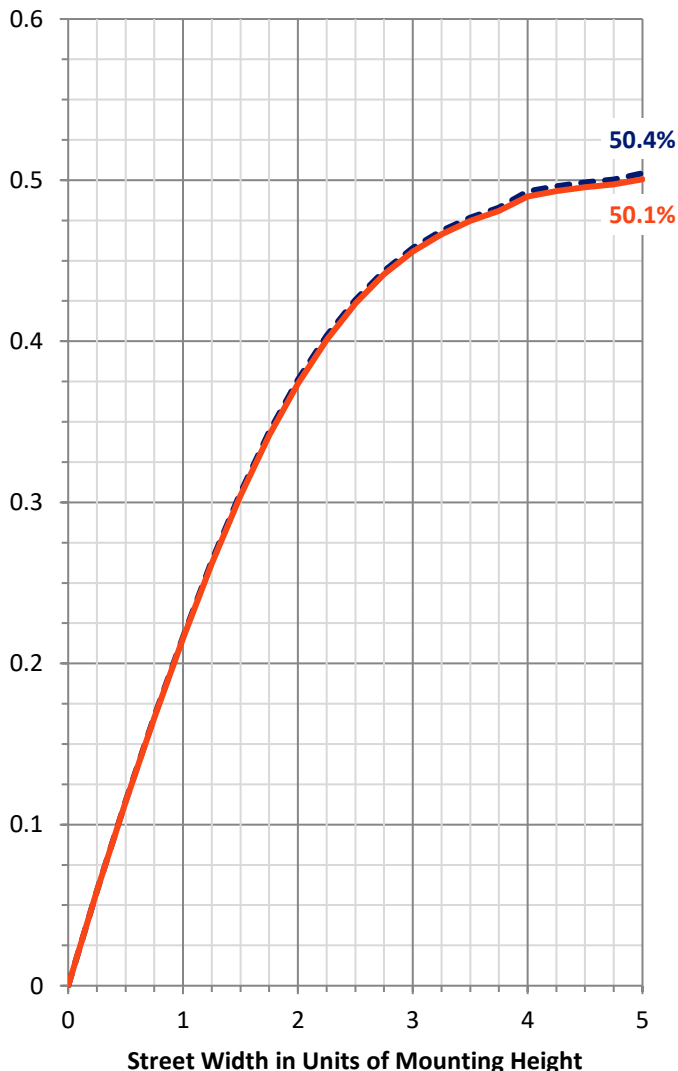
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8528.0 | 0.0 | 8528.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 8528.0 | 0.0 | 8528.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 17056.0 | 0.0 | 17056.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 131.0 | 0.8 |
| 10°-20° | 382.7 | 2.2 |
| 20°-30° | 652.5 | 3.8 |
| 30°-40° | 1019.5 | 6.0 |
| 40°-50° | 1727.9 | 10.1 |
| 50°-60° | 3150.9 | 18.5 |
| 60°-70° | 5424.4 | 31.8 |
| 70°-80° | 4251.9 | 24.9 |
| 80°-90° | 315.3 | 1.8 |
| 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° | 17056.0 | 100.0 |
| 0°-180° | 17056.0 | 100.0 |



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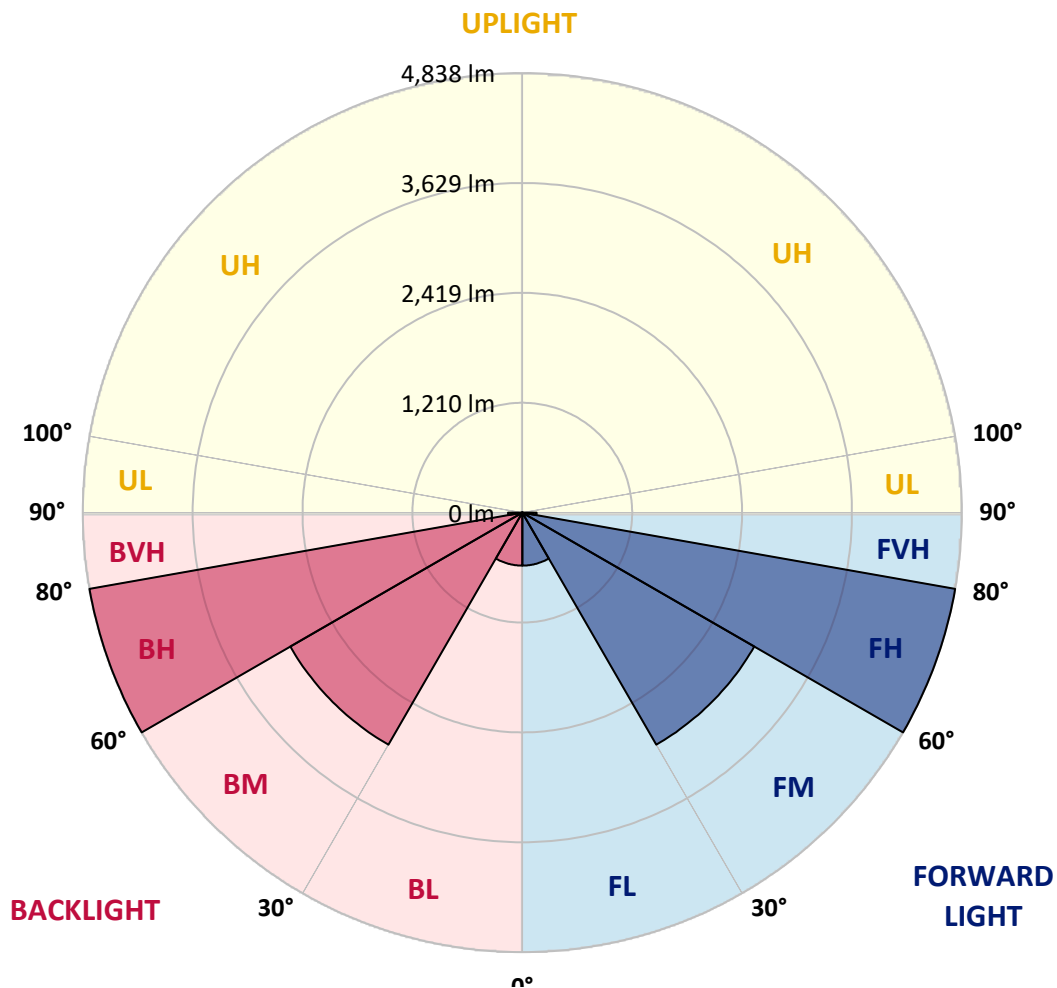
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 583.1 | 3.4 | | | |
| FM (30°-60°) | 2949.1 | 17.3 | | | |
| FH (60°-80°) | 4838.2 | 28.4 | | | G2/5000 |
| FVH (80°-90°) | 157.6 | 0.9 | | | G2/225 |
| BL (0°-30°) | 583.1 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 2949.1 | 17.3 | B3/5000 | | |
| BH (60°-80°) | 4838.2 | 28.4 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 157.6 | 0.9 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 | 1403.7 |
| 2.5° | 1397.5 | 1399.2 | 1397.5 | 1398.6 | 1395.8 | 1396.9 | 1396.9 | 1396.9 | 1396.4 | 1396.9 | 1395.8 |
| 5° | 1385.1 | 1386.2 | 1384.0 | 1385.1 | 1383.4 | 1385.1 | 1385.7 | 1385.1 | 1384.0 | 1384.5 | 1382.3 |
| 7.5° | 1366.5 | 1367.6 | 1365.9 | 1367.6 | 1365.3 | 1368.2 | 1367.6 | 1365.9 | 1364.2 | 1364.2 | 1362.0 |
| 10° | 1356.3 | 1356.9 | 1352.4 | 1350.7 | 1345.6 | 1346.7 | 1348.4 | 1350.1 | 1351.8 | 1355.2 | 1354.6 |
| 12.5° | 1356.9 | 1356.9 | 1350.1 | 1342.8 | 1335.4 | 1337.1 | 1340.0 | 1346.2 | 1352.9 | 1359.1 | 1359.7 |
| 15° | 1362.5 | 1362.0 | 1351.8 | 1340.0 | 1334.9 | 1340.0 | 1341.6 | 1345.6 | 1356.3 | 1367.0 | 1367.6 |
| 17.5° | 1366.5 | 1366.5 | 1350.7 | 1337.1 | 1336.6 | 1344.5 | 1343.9 | 1345.6 | 1357.4 | 1373.2 | 1373.8 |
| 20° | 1373.8 | 1373.8 | 1353.5 | 1338.8 | 1338.8 | 1347.3 | 1347.9 | 1350.7 | 1362.5 | 1380.0 | 1382.8 |
| 22.5° | 1390.2 | 1390.7 | 1369.3 | 1357.4 | 1358.6 | 1363.7 | 1365.3 | 1369.9 | 1380.6 | 1399.8 | 1403.1 |
| 25° | 1413.3 | 1414.4 | 1392.4 | 1385.7 | 1389.6 | 1399.2 | 1398.1 | 1401.5 | 1413.3 | 1431.9 | 1435.3 |
| 27.5° | 1445.5 | 1442.6 | 1422.3 | 1419.5 | 1423.5 | 1430.2 | 1429.7 | 1430.2 | 1439.8 | 1456.7 | 1460.7 |
| 30° | 1487.2 | 1486.1 | 1471.4 | 1473.1 | 1471.4 | 1469.2 | 1469.7 | 1474.2 | 1479.3 | 1492.9 | 1496.8 |
| 32.5° | 1527.8 | 1529.0 | 1519.9 | 1528.4 | 1540.8 | 1549.3 | 1536.3 | 1523.9 | 1518.2 | 1525.6 | 1529.0 |
| 35° | 1601.2 | 1604.0 | 1589.9 | 1584.3 | 1601.2 | 1626.0 | 1589.3 | 1569.0 | 1580.3 | 1589.9 | 1592.7 |
| 37.5° | 1725.9 | 1727.6 | 1703.9 | 1681.3 | 1668.9 | 1692.6 | 1655.9 | 1657.6 | 1697.1 | 1715.1 | 1714.6 |
| 40° | 1868.0 | 1868.6 | 1852.8 | 1833.1 | 1811.6 | 1817.3 | 1802.6 | 1807.1 | 1833.1 | 1849.4 | 1853.9 |
| 42.5° | 2037.3 | 2035.6 | 2010.8 | 1982.6 | 1976.4 | 1982.0 | 1957.2 | 1953.8 | 1983.7 | 2013.0 | 2013.6 |
| 45° | 2256.8 | 2252.8 | 2220.7 | 2189.6 | 2159.7 | 2147.3 | 2141.1 | 2157.5 | 2198.7 | 2225.7 | 2226.3 |
| 47.5° | 2493.2 | 2482.4 | 2465.5 | 2440.7 | 2414.7 | 2402.3 | 2392.2 | 2400.1 | 2430.0 | 2440.7 | 2441.8 |
| 50° | 2736.3 | 2738.6 | 2742.0 | 2732.4 | 2722.8 | 2718.8 | 2692.3 | 2677.1 | 2686.1 | 2666.4 | 2663.6 |
| 52.5° | 3024.6 | 3029.1 | 3061.9 | 3089.5 | 3105.9 | 3114.3 | 3064.1 | 3011.7 | 2982.3 | 2944.0 | 2932.7 |
| 55° | 3364.8 | 3372.2 | 3420.1 | 3496.9 | 3575.9 | 3617.6 | 3526.8 | 3428.6 | 3337.8 | 3266.1 | 3243.0 |
| 57.5° | 3744.0 | 3757.0 | 3823.0 | 3970.2 | 4132.1 | 4230.9 | 4077.4 | 3899.1 | 3723.7 | 3620.4 | 3602.4 |
| 60° | 4188.6 | 4201.0 | 4292.4 | 4503.4 | 4765.7 | 4914.1 | 4681.7 | 4390.0 | 4171.6 | 4072.9 | 4039.6 |
| 62.5° | 4717.8 | 4718.9 | 4831.2 | 5077.7 | 5424.1 | 5630.6 | 5315.8 | 4926.0 | 4700.9 | 4581.8 | 4549.6 |
| 65° | 5287.0 | 5289.9 | 5406.1 | 5672.4 | 6030.7 | 6255.2 | 5899.8 | 5493.5 | 5218.2 | 5042.8 | 5017.9 |
| 67.5° | 5689.3 | 5701.2 | 5823.6 | 6144.1 | 6479.2 | 6681.7 | 6313.9 | 5854.6 | 5536.4 | 5327.1 | 5306.2 |
| 70° | 5625.0 | 5671.3 | 5815.1 | 6189.2 | 6655.2 | 6944.1 | 6381.0 | 5811.7 | 5392.0 | 5144.9 | 5127.4 |
| 72.5° | 4905.7 | 4994.2 | 5186.1 | 5676.9 | 6422.2 | 6820.0 | 6014.9 | 5205.2 | 4730.2 | 4519.7 | 4488.2 |
| 75° | 3340.6 | 3484.5 | 3773.9 | 4481.9 | 5486.8 | 5904.8 | 5063.6 | 4150.2 | 3703.4 | 3412.2 | 3390.8 |
| 77.5° | 1489.5 | 1522.2 | 1888.9 | 2704.2 | 3786.3 | 4240.5 | 3679.1 | 2714.9 | 2037.9 | 1625.4 | 1538.6 |
| 80° | 415.2 | 420.3 | 560.8 | 1007.1 | 1895.1 | 2491.5 | 2034.5 | 1057.9 | 594.7 | 419.2 | 394.9 |
| 82.5° | 132.0 | 143.3 | 174.9 | 261.2 | 637.0 | 1136.8 | 653.9 | 282.1 | 200.9 | 160.2 | 144.4 |
| 85° | 64.3 | 63.8 | 88.6 | 106.1 | 162.5 | 251.6 | 173.2 | 130.9 | 114.5 | 76.2 | 68.8 |
| 87.5° | 27.1 | 27.6 | 41.2 | 37.2 | 47.4 | 40.6 | 55.9 | 58.7 | 61.5 | 33.9 | 29.3 |
| 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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