

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: P385880

Luminaire Tested: **GWC-SA1C-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-727-U-SL2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5233 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

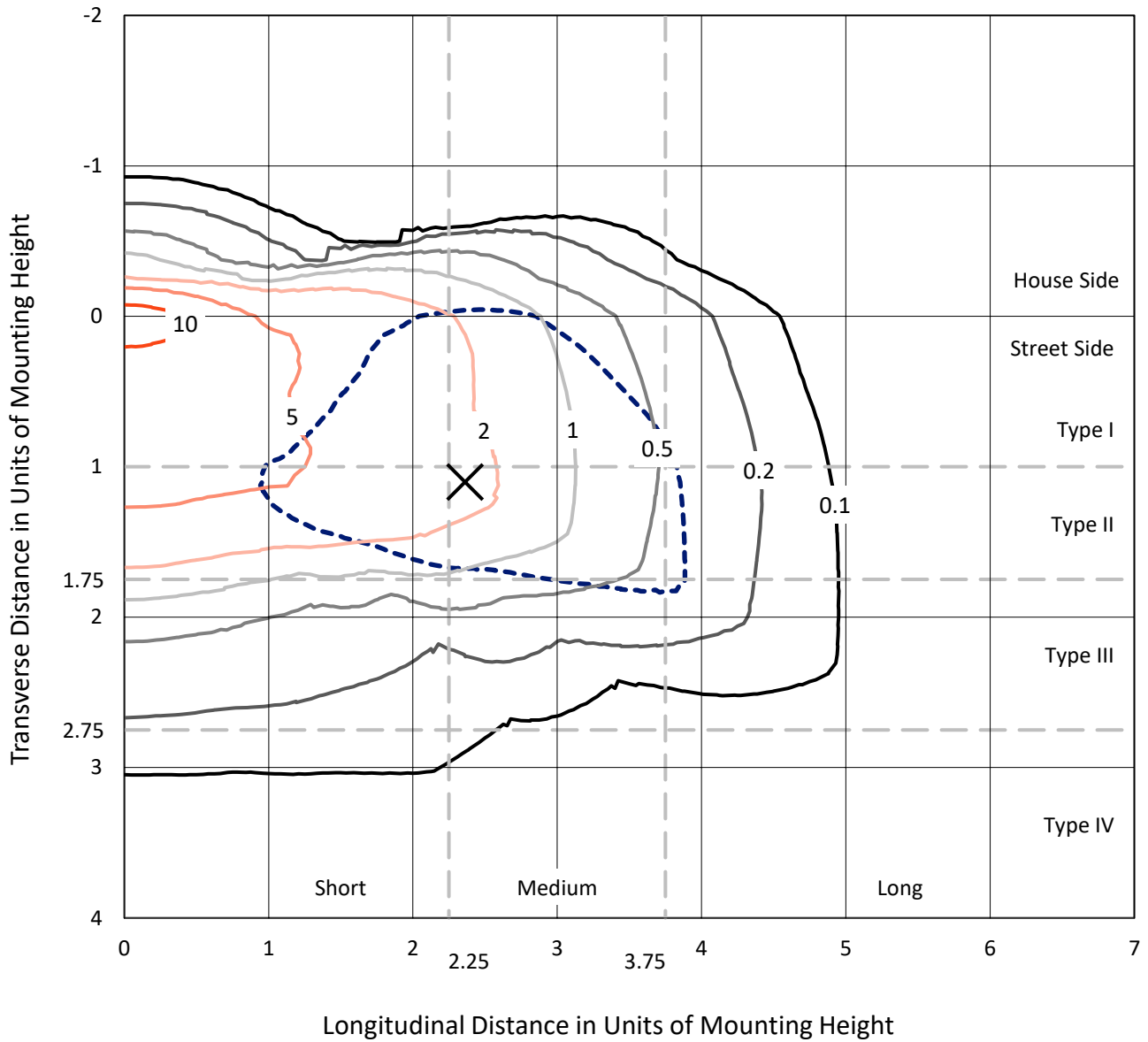
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

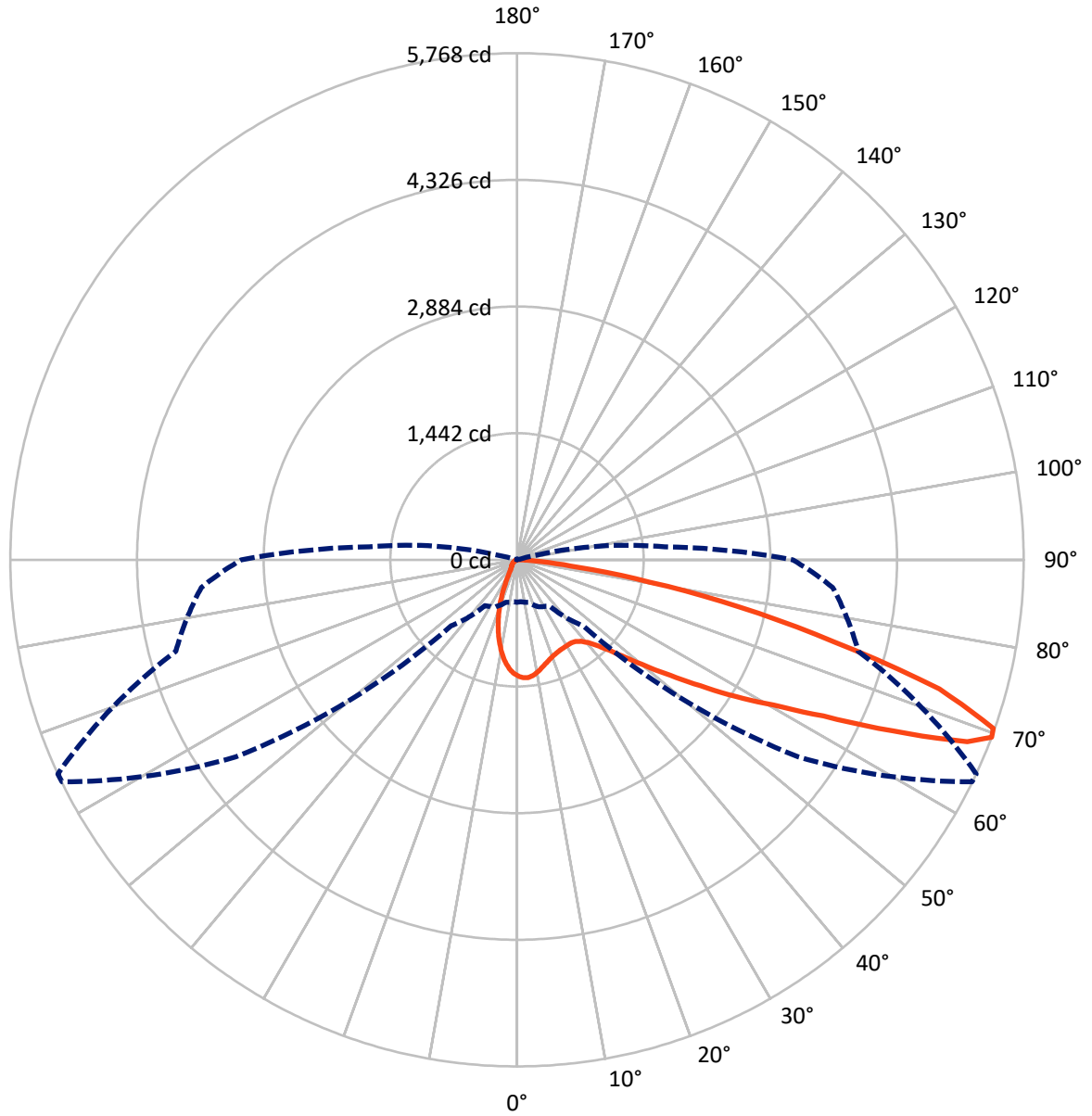
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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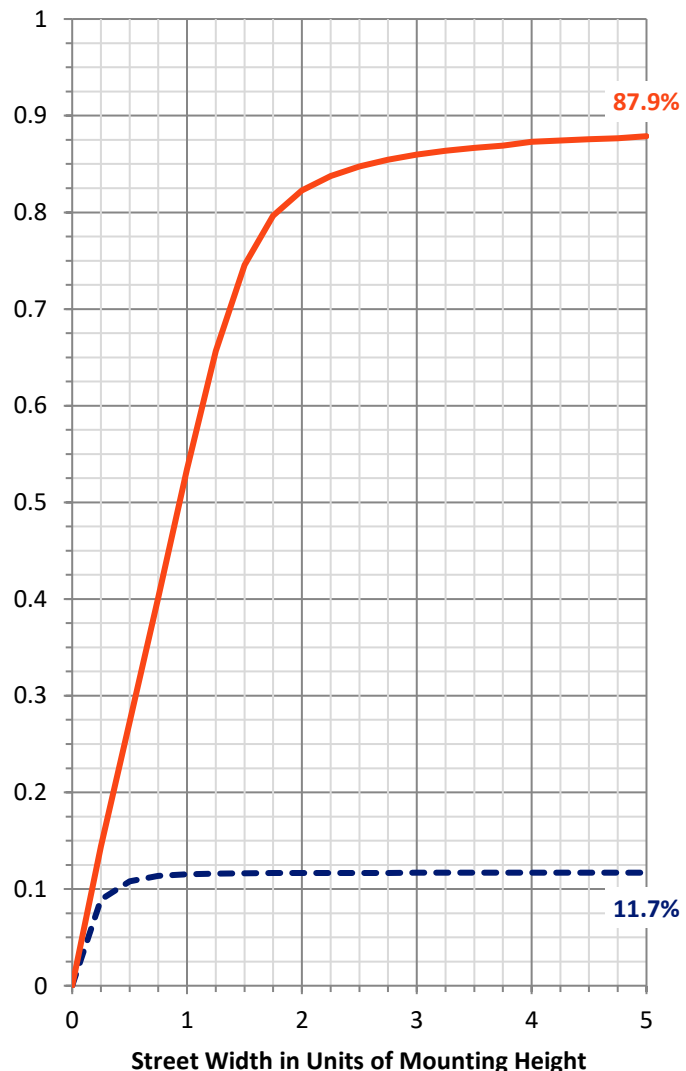
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 616.9 | 0.0 | 616.9 |
| | % Fixture | 11.8 | 0.0 | 11.8 |
| Street Side | Lumens | 4616.2 | 0.0 | 4616.2 |
| | % Fixture | 88.2 | 0.0 | 88.2 |
| Total | Lumens | 5233.0 | 0.0 | 5233.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 110.6 | 2.1 |
| 10°-20° | 242.1 | 4.6 |
| 20°-30° | 335.3 | 6.4 |
| 30°-40° | 467.5 | 8.9 |
| 40°-50° | 726.6 | 13.9 |
| 50°-60° | 1166.5 | 22.3 |
| 60°-70° | 1319.5 | 25.2 |
| 70°-80° | 774.9 | 14.8 |
| 80°-90° | 90.1 | 1.7 |
| 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° | 5233.0 | 100.0 |
| 0°-180° | 5233.0 | 100.0 |



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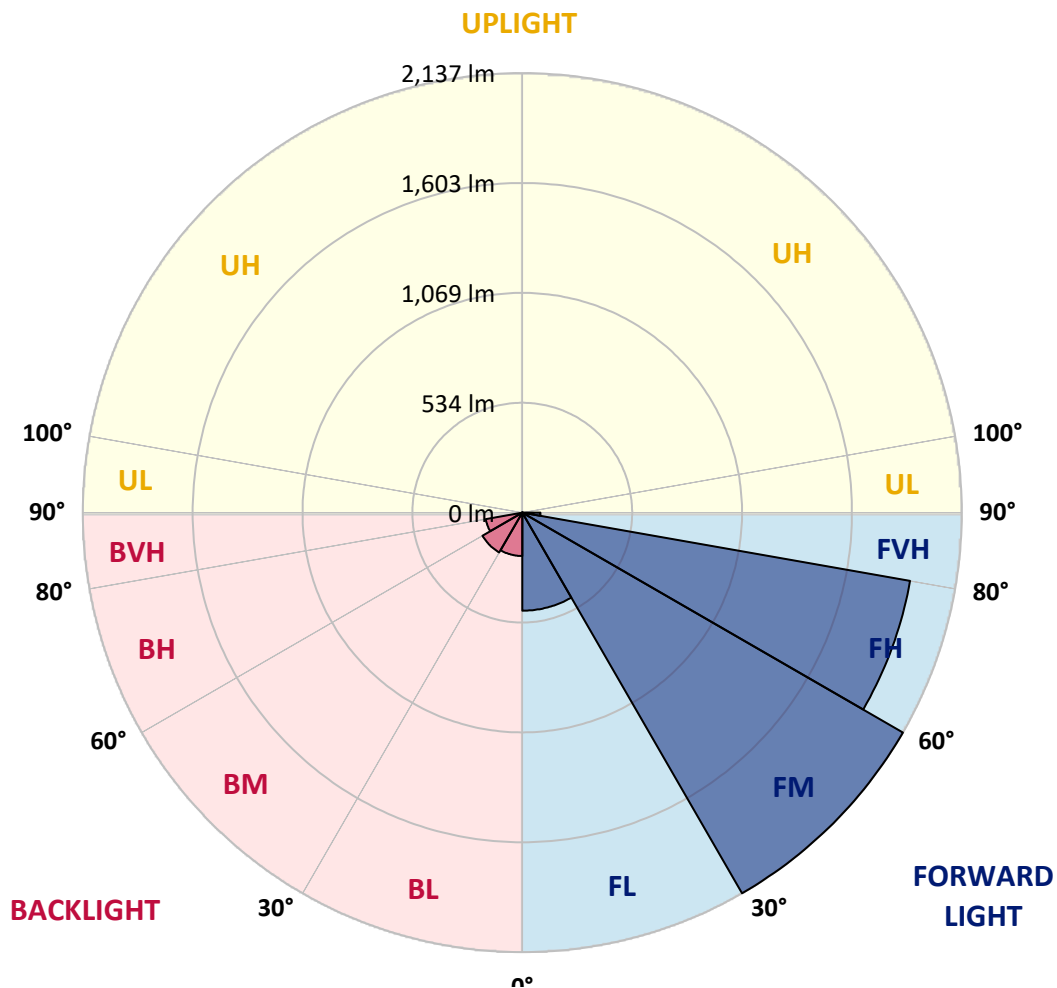
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 476.8 | 9.1 | | | |
| FM (30°-60°) | 2137.0 | 40.8 | | | |
| FH (60°-80°) | 1914.2 | 36.6 | | | G2/5000 |
| FVH (80°-90°) | 88.1 | 1.7 | | | G1/100 |
| BL (0°-30°) | 211.1 | 4.0 | B1/500 | | |
| BM (30°-60°) | 223.5 | 4.3 | B1/1000 | | |
| BH (60°-80°) | 180.2 | 3.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 |
| 2.5° | 1334.1 | 1330.8 | 1333.5 | 1339.2 | 1342.1 | 1342.1 | 1344.3 | 1341.7 | 1342.5 | 1336.1 | 1326.8 |
| 5° | 1250.6 | 1245.6 | 1252.9 | 1269.0 | 1289.0 | 1306.0 | 1331.2 | 1344.5 | 1345.9 | 1346.1 | 1335.2 |
| 7.5° | 1160.7 | 1156.1 | 1166.9 | 1186.0 | 1211.7 | 1243.3 | 1287.4 | 1325.9 | 1328.1 | 1349.0 | 1341.0 |
| 10° | 1087.7 | 1084.3 | 1097.0 | 1117.3 | 1147.5 | 1182.9 | 1236.9 | 1290.5 | 1296.9 | 1343.0 | 1340.1 |
| 12.5° | 1029.7 | 1027.0 | 1039.0 | 1062.4 | 1093.2 | 1132.4 | 1188.9 | 1251.1 | 1259.7 | 1329.5 | 1335.7 |
| 15° | 987.4 | 986.9 | 996.9 | 1019.5 | 1053.6 | 1090.1 | 1147.9 | 1214.6 | 1224.5 | 1314.9 | 1335.0 |
| 17.5° | 965.2 | 965.9 | 973.2 | 992.5 | 1021.7 | 1058.0 | 1113.4 | 1183.8 | 1194.6 | 1301.8 | 1338.3 |
| 20° | 963.0 | 963.7 | 967.7 | 978.5 | 1002.2 | 1034.3 | 1085.2 | 1157.9 | 1169.2 | 1292.1 | 1343.6 |
| 22.5° | 982.5 | 982.0 | 983.2 | 982.0 | 995.3 | 1019.7 | 1066.6 | 1137.9 | 1151.0 | 1285.6 | 1347.9 |
| 25° | 1019.9 | 1019.2 | 1018.8 | 1010.6 | 1001.8 | 1014.8 | 1058.9 | 1126.6 | 1139.0 | 1281.0 | 1350.3 |
| 27.5° | 1071.9 | 1071.5 | 1070.8 | 1057.3 | 1030.8 | 1022.6 | 1059.8 | 1122.4 | 1132.8 | 1277.2 | 1349.8 |
| 30° | 1140.4 | 1143.5 | 1142.6 | 1123.8 | 1082.4 | 1046.3 | 1069.1 | 1120.2 | 1129.3 | 1269.9 | 1345.2 |
| 32.5° | 1220.8 | 1227.0 | 1231.8 | 1211.7 | 1159.9 | 1093.2 | 1090.5 | 1122.7 | 1129.3 | 1264.4 | 1336.8 |
| 35° | 1304.2 | 1312.2 | 1330.1 | 1323.1 | 1254.9 | 1163.8 | 1127.5 | 1137.3 | 1142.8 | 1267.5 | 1332.8 |
| 37.5° | 1386.4 | 1395.9 | 1434.9 | 1455.5 | 1379.3 | 1257.3 | 1185.1 | 1173.4 | 1176.2 | 1286.3 | 1337.2 |
| 40° | 1481.8 | 1496.2 | 1555.3 | 1588.5 | 1527.9 | 1382.4 | 1271.2 | 1235.4 | 1236.5 | 1327.7 | 1357.8 |
| 42.5° | 1607.1 | 1622.0 | 1686.0 | 1738.0 | 1695.3 | 1540.5 | 1388.2 | 1330.1 | 1329.0 | 1405.2 | 1406.3 |
| 45° | 1759.9 | 1775.4 | 1841.6 | 1899.4 | 1880.2 | 1727.8 | 1537.8 | 1468.5 | 1467.2 | 1527.4 | 1498.2 |
| 47.5° | 1933.1 | 1948.4 | 2007.5 | 2067.1 | 2087.9 | 1946.6 | 1728.5 | 1657.4 | 1654.3 | 1697.3 | 1640.1 |
| 50° | 2081.7 | 2091.6 | 2146.1 | 2226.3 | 2320.2 | 2215.4 | 1965.6 | 1897.2 | 1893.9 | 1922.9 | 1848.5 |
| 52.5° | 2135.7 | 2141.5 | 2196.8 | 2309.1 | 2543.4 | 2579.5 | 2277.2 | 2189.1 | 2186.6 | 2199.3 | 2126.0 |
| 55° | 2026.3 | 2036.7 | 2104.7 | 2271.2 | 2664.3 | 2990.9 | 2670.5 | 2550.4 | 2532.1 | 2504.8 | 2416.0 |
| 57.5° | 1728.3 | 1744.9 | 1818.0 | 2039.4 | 2607.8 | 3317.3 | 3248.4 | 2959.2 | 2932.2 | 2765.7 | 2651.9 |
| 60° | 1294.9 | 1315.3 | 1376.0 | 1614.9 | 2306.4 | 3433.5 | 3879.9 | 3414.7 | 3353.8 | 2973.4 | 2868.6 |
| 62.5° | 888.6 | 898.8 | 940.0 | 1095.6 | 1698.6 | 3243.1 | 4408.3 | 4024.7 | 3913.6 | 3199.2 | 3103.1 |
| 65° | 678.7 | 682.2 | 699.1 | 752.6 | 1011.5 | 2634.4 | 4618.4 | 4829.6 | 4695.2 | 3469.4 | 3346.5 |
| 67.5° | 546.9 | 544.1 | 567.3 | 643.9 | 677.4 | 1607.1 | 4373.3 | 5591.1 | 5528.3 | 3830.5 | 3591.4 |
| 69° | 482.3 | 478.3 | 502.0 | 591.0 | 636.2 | 1062.4 | 3909.6 | 5764.1 | 5768.1 | 4021.2 | 3608.2 |
| 70° | 434.0 | 436.7 | 460.1 | 559.6 | 622.2 | 833.9 | 3466.7 | 5720.0 | 5751.5 | 4092.5 | 3507.3 |
| 72.5° | 289.9 | 296.9 | 344.1 | 464.6 | 598.3 | 631.1 | 2093.2 | 4908.5 | 5029.4 | 3932.0 | 3009.0 |
| 75° | 163.4 | 168.7 | 224.8 | 350.3 | 563.8 | 601.0 | 1105.6 | 3616.2 | 3733.1 | 3288.0 | 2320.4 |
| 77.5° | 80.2 | 83.0 | 127.1 | 226.1 | 471.4 | 572.6 | 627.1 | 2456.3 | 2589.9 | 2146.1 | 1312.4 |
| 80° | 33.9 | 35.4 | 63.6 | 139.5 | 337.0 | 546.5 | 465.7 | 1511.7 | 1528.3 | 840.8 | 349.6 |
| 82.5° | 13.1 | 13.5 | 26.8 | 87.0 | 214.1 | 426.0 | 389.5 | 716.8 | 699.5 | 158.3 | 79.7 |
| 85° | 1.6 | 1.8 | 9.7 | 52.3 | 119.1 | 219.2 | 316.4 | 308.9 | 285.9 | 31.4 | 41.0 |
| 87.5° | 0.0 | 0.0 | 0.7 | 15.9 | 35.4 | 102.7 | 164.5 | 128.2 | 115.6 | 10.2 | 21.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 | 1322.4 |
| 2.5° | 1319.1 | 1316.9 | 1304.9 | 1287.6 | 1271.2 | 1250.9 | 1231.4 | 1219.6 | 1210.3 | 1204.1 | 1211.5 |
| 5° | 1322.6 | 1312.9 | 1276.6 | 1230.1 | 1184.4 | 1133.1 | 1085.2 | 1044.7 | 1028.8 | 1011.1 | 1019.0 |
| 7.5° | 1321.5 | 1303.1 | 1237.8 | 1155.0 | 1071.3 | 984.7 | 902.8 | 839.7 | 806.9 | 774.8 | 783.0 |
| 10° | 1316.0 | 1285.0 | 1186.0 | 1063.3 | 938.0 | 813.5 | 697.3 | 608.9 | 559.6 | 514.8 | 521.2 |
| 12.5° | 1303.8 | 1260.6 | 1124.9 | 958.4 | 790.7 | 626.7 | 490.5 | 377.3 | 316.6 | 289.9 | 293.2 |
| 15° | 1296.5 | 1236.9 | 1060.2 | 852.1 | 633.5 | 436.4 | 299.8 | 223.0 | 195.3 | 186.4 | 187.6 |
| 17.5° | 1292.9 | 1214.1 | 993.3 | 730.5 | 472.8 | 277.9 | 193.8 | 170.9 | 165.0 | 163.4 | 163.9 |
| 20° | 1289.4 | 1191.1 | 924.5 | 610.3 | 325.7 | 186.9 | 159.2 | 152.6 | 150.4 | 148.4 | 148.8 |
| 22.5° | 1283.4 | 1168.9 | 850.5 | 488.5 | 219.7 | 151.7 | 143.5 | 137.1 | 132.4 | 130.0 | 130.4 |
| 25° | 1276.1 | 1145.7 | 775.0 | 363.8 | 160.3 | 135.3 | 127.5 | 118.5 | 112.9 | 108.5 | 108.7 |
| 27.5° | 1264.4 | 1117.1 | 697.1 | 264.8 | 134.6 | 121.1 | 110.7 | 100.8 | 91.5 | 86.4 | 86.4 |
| 30° | 1248.0 | 1084.8 | 610.5 | 189.5 | 120.7 | 107.2 | 94.6 | 82.2 | 72.2 | 67.5 | 67.1 |
| 32.5° | 1229.8 | 1051.1 | 523.0 | 143.7 | 109.6 | 94.1 | 79.7 | 66.7 | 57.8 | 54.0 | 53.8 |
| 35° | 1214.3 | 1014.8 | 435.8 | 120.5 | 98.5 | 81.5 | 65.8 | 54.7 | 47.6 | 44.5 | 44.3 |
| 37.5° | 1204.4 | 978.5 | 350.7 | 107.6 | 88.6 | 69.8 | 55.1 | 45.2 | 40.1 | 37.6 | 37.4 |
| 40° | 1202.8 | 951.5 | 273.0 | 97.9 | 79.3 | 59.3 | 46.1 | 38.3 | 33.7 | 31.0 | 30.8 |
| 42.5° | 1223.0 | 936.0 | 209.5 | 89.7 | 69.8 | 50.3 | 39.2 | 32.8 | 27.9 | 25.2 | 25.0 |
| 45° | 1275.9 | 940.9 | 161.2 | 82.4 | 60.2 | 42.5 | 33.2 | 27.2 | 22.8 | 20.8 | 20.4 |
| 47.5° | 1372.4 | 974.5 | 128.2 | 75.1 | 51.2 | 36.1 | 28.3 | 22.6 | 18.8 | 16.8 | 16.6 |
| 50° | 1544.3 | 1053.6 | 107.2 | 67.1 | 42.7 | 30.8 | 23.5 | 18.4 | 15.3 | 13.5 | 13.3 |
| 52.5° | 1772.3 | 1194.4 | 95.7 | 59.3 | 35.4 | 26.1 | 19.3 | 14.6 | 12.0 | 10.6 | 10.4 |
| 55° | 2023.9 | 1364.9 | 88.1 | 50.9 | 29.0 | 21.7 | 15.3 | 11.5 | 9.3 | 8.2 | 7.8 |
| 57.5° | 2269.5 | 1512.6 | 81.0 | 42.7 | 24.1 | 17.7 | 12.2 | 9.1 | 7.3 | 6.2 | 6.0 |
| 60° | 2495.1 | 1648.3 | 72.9 | 34.3 | 19.7 | 14.0 | 9.5 | 7.1 | 5.8 | 4.7 | 4.7 |
| 62.5° | 2736.7 | 1753.3 | 61.6 | 26.8 | 16.2 | 10.6 | 7.8 | 6.4 | 4.7 | 4.0 | 3.8 |
| 65° | 2992.6 | 1831.2 | 48.3 | 20.8 | 12.6 | 8.0 | 6.4 | 6.6 | 3.8 | 2.9 | 2.7 |
| 67.5° | 3181.7 | 1815.7 | 35.7 | 16.4 | 9.7 | 6.2 | 6.2 | 7.1 | 3.3 | 2.2 | 2.0 |
| 69° | 3140.1 | 1689.7 | 29.9 | 14.2 | 8.4 | 5.3 | 5.8 | 7.1 | 3.1 | 2.0 | 1.8 |
| 70° | 3019.4 | 1550.2 | 26.4 | 12.6 | 7.5 | 4.9 | 5.5 | 6.9 | 2.9 | 2.0 | 1.8 |
| 72.5° | 2514.6 | 1167.6 | 20.6 | 9.5 | 6.0 | 4.0 | 4.7 | 6.0 | 2.9 | 2.0 | 1.6 |
| 75° | 1891.5 | 747.3 | 15.7 | 6.9 | 4.4 | 3.1 | 3.5 | 4.4 | 2.9 | 1.8 | 1.6 |
| 77.5° | 1029.2 | 269.5 | 11.3 | 4.7 | 3.1 | 2.4 | 2.4 | 3.3 | 2.7 | 1.3 | 0.9 |
| 80° | 264.6 | 67.8 | 7.1 | 3.1 | 2.4 | 1.8 | 1.6 | 2.2 | 1.6 | 0.2 | 0.0 |
| 82.5° | 65.3 | 15.3 | 3.8 | 2.2 | 1.8 | 0.7 | 0.7 | 1.1 | 0.7 | 0.0 | 0.0 |
| 85° | 35.9 | 7.5 | 2.4 | 1.6 | 0.9 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 87.5° | 18.4 | 2.2 | 0.7 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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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