

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: P386880

Luminaire Tested: **GWC-SA2C-750-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2C-750-U-T4W-HSS
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10699 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

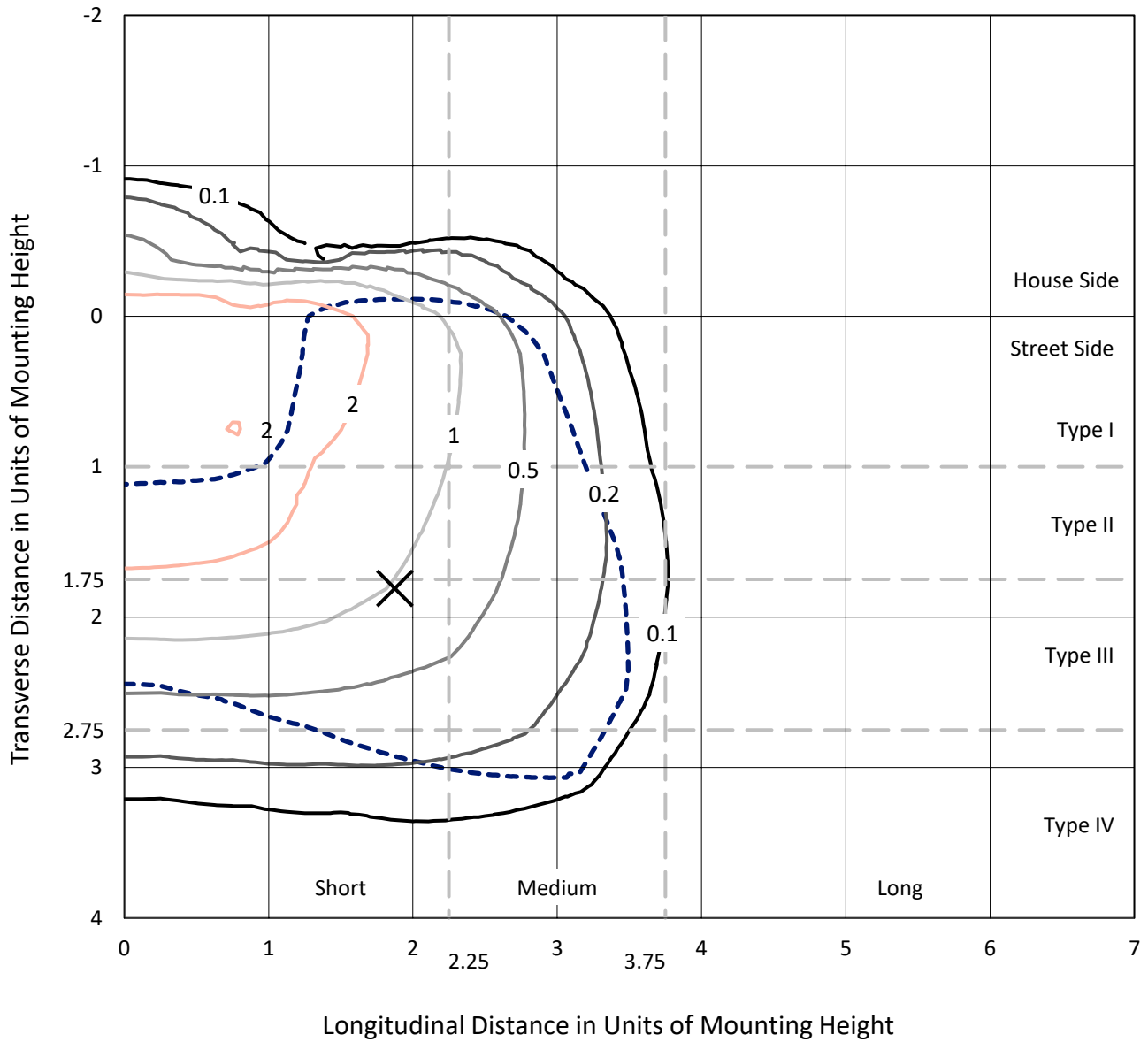
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

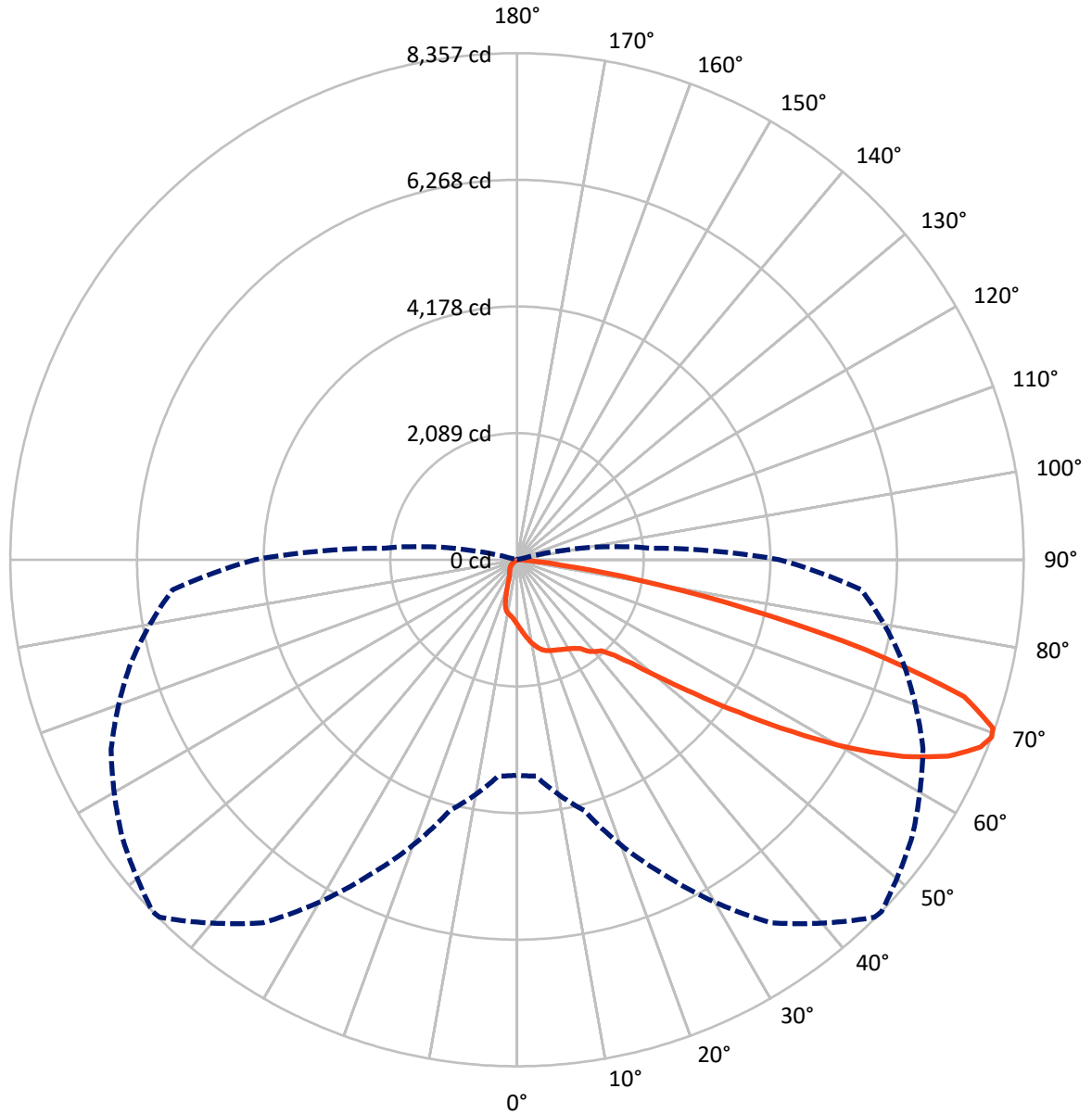
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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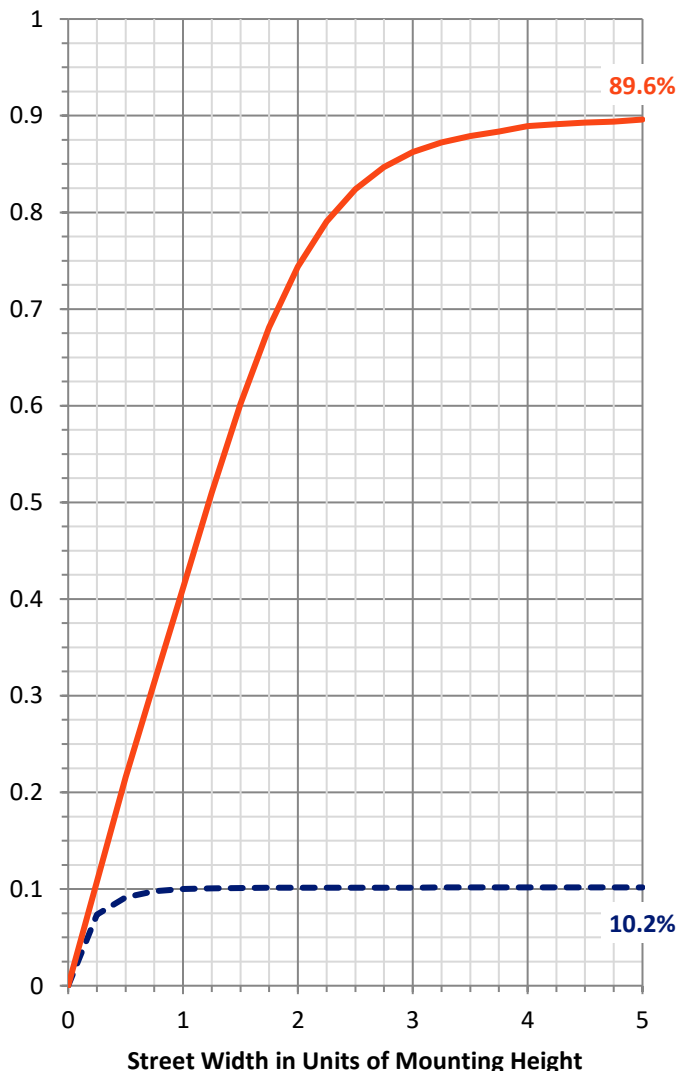
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1098.0 | 0.0 | 1098.0 |
| | % Fixture | 10.3 | 0.0 | 10.3 |
| Street Side | Lumens | 9601.0 | 0.0 | 9601.0 |
| | % Fixture | 89.7 | 0.0 | 89.7 |
| Total | Lumens | 10699.0 | 0.0 | 10699.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 106.7 | 1.0 |
| 10°-20° | 323.7 | 3.0 |
| 20°-30° | 509.1 | 4.8 |
| 30°-40° | 730.0 | 6.8 |
| 40°-50° | 1261.8 | 11.8 |
| 50°-60° | 2492.7 | 23.3 |
| 60°-70° | 3483.8 | 32.6 |
| 70°-80° | 1683.0 | 15.7 |
| 80°-90° | 108.2 | 1.0 |
| 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° | 10699.0 | 100.0 |
| 0°-180° | 10699.0 | 100.0 |

Coefficient of Utilization



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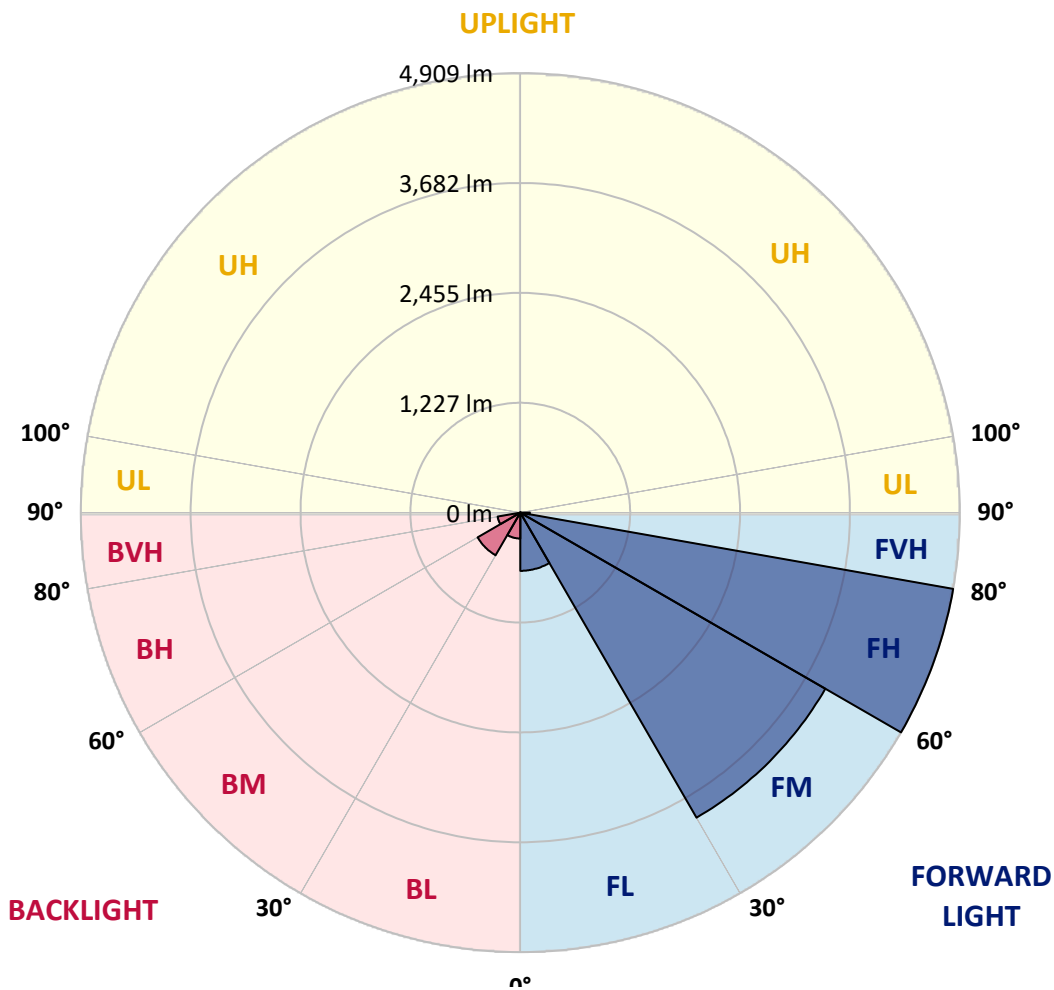
CATALOG NUMBER: GWC-SA2C-750-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 650.1 | 6.1 | | | |
| FM (30°-60°) | 3934.3 | 36.8 | | | |
| FH (60°-80°) | 4909.4 | 45.9 | | | G2/5000 |
| FVH (80°-90°) | 107.3 | 1.0 | | | G2/225 |
| BL (0°-30°) | 289.4 | 2.7 | B1/500 | | |
| BM (30°-60°) | 550.2 | 5.1 | B1/1000 | | |
| BH (60°-80°) | 257.5 | 2.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.9 | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 |
| 2.5° | 1190.9 | 1189.4 | 1182.4 | 1179.4 | 1162.3 | 1152.3 | 1148.2 | 1135.7 | 1117.6 | 1099.6 | 1079.5 |
| 5° | 1326.3 | 1325.8 | 1312.8 | 1300.2 | 1268.1 | 1238.0 | 1232.5 | 1203.4 | 1162.8 | 1124.7 | 1086.5 |
| 7.5° | 1464.8 | 1458.3 | 1445.2 | 1421.1 | 1374.5 | 1326.3 | 1321.8 | 1280.7 | 1223.0 | 1167.8 | 1113.1 |
| 10° | 1582.2 | 1578.2 | 1561.1 | 1524.5 | 1469.8 | 1415.1 | 1409.6 | 1358.9 | 1293.7 | 1226.0 | 1156.3 |
| 12.5° | 1673.5 | 1670.5 | 1647.9 | 1602.2 | 1544.0 | 1487.4 | 1479.8 | 1434.7 | 1365.0 | 1289.2 | 1206.9 |
| 15° | 1729.1 | 1727.6 | 1700.1 | 1651.4 | 1594.2 | 1545.0 | 1538.5 | 1498.9 | 1434.2 | 1354.9 | 1262.1 |
| 17.5° | 1742.2 | 1742.7 | 1714.1 | 1664.9 | 1617.8 | 1582.7 | 1577.7 | 1547.6 | 1493.4 | 1414.6 | 1317.3 |
| 20° | 1713.1 | 1719.1 | 1693.5 | 1650.9 | 1621.8 | 1603.2 | 1599.2 | 1581.2 | 1535.5 | 1461.3 | 1361.4 |
| 22.5° | 1672.0 | 1675.0 | 1657.4 | 1628.8 | 1616.8 | 1620.3 | 1618.3 | 1608.3 | 1569.6 | 1501.4 | 1405.1 |
| 25° | 1646.9 | 1646.9 | 1636.3 | 1612.3 | 1620.3 | 1641.9 | 1642.4 | 1640.4 | 1609.8 | 1550.6 | 1458.3 |
| 27.5° | 1645.9 | 1642.9 | 1630.8 | 1612.8 | 1634.8 | 1667.9 | 1670.0 | 1683.5 | 1664.4 | 1610.3 | 1524.5 |
| 30° | 1686.0 | 1682.5 | 1656.9 | 1633.3 | 1661.4 | 1697.0 | 1702.1 | 1731.7 | 1722.1 | 1675.0 | 1598.2 |
| 32.5° | 1779.8 | 1767.3 | 1710.6 | 1672.0 | 1693.0 | 1735.7 | 1742.2 | 1789.3 | 1804.4 | 1754.7 | 1669.5 |
| 35° | 1908.2 | 1868.6 | 1786.8 | 1745.2 | 1747.2 | 1791.8 | 1797.9 | 1867.1 | 1911.7 | 1828.0 | 1724.6 |
| 37.5° | 2085.3 | 2065.7 | 1932.8 | 1821.4 | 1830.5 | 1898.2 | 1915.8 | 1991.0 | 1978.5 | 1868.1 | 1787.3 |
| 40° | 2473.6 | 2443.0 | 2301.5 | 2035.1 | 1910.2 | 1984.5 | 1990.0 | 2030.1 | 2031.1 | 1958.9 | 1917.8 |
| 42.5° | 3002.3 | 2989.8 | 2840.8 | 2422.9 | 2067.2 | 2042.2 | 2052.2 | 2119.9 | 2195.7 | 2150.5 | 2148.5 |
| 45° | 3587.7 | 3581.2 | 3423.2 | 2937.6 | 2384.8 | 2231.3 | 2243.8 | 2334.6 | 2479.6 | 2489.6 | 2553.3 |
| 47.5° | 4058.8 | 4055.7 | 3964.9 | 3512.0 | 2870.9 | 2551.8 | 2555.8 | 2652.2 | 2907.0 | 3032.9 | 3134.7 |
| 50° | 4488.2 | 4502.7 | 4431.0 | 4133.5 | 3533.0 | 3054.0 | 3044.4 | 3108.6 | 3518.0 | 3724.2 | 3850.6 |
| 52.5° | 5085.1 | 5105.7 | 4904.5 | 4713.4 | 4227.8 | 3677.0 | 3669.5 | 3736.7 | 4252.4 | 4406.9 | 4429.5 |
| 55° | 5612.3 | 5577.2 | 5418.2 | 5363.0 | 5075.1 | 4446.5 | 4444.5 | 4503.7 | 4962.7 | 5028.4 | 5070.1 |
| 57.5° | 5845.1 | 5831.5 | 5908.3 | 6034.7 | 5962.5 | 5356.0 | 5351.5 | 5306.3 | 5598.3 | 5605.3 | 5733.2 |
| 60° | 5992.1 | 6008.6 | 6243.9 | 6633.7 | 6813.7 | 6334.7 | 6305.6 | 6030.2 | 6205.3 | 6189.7 | 6326.7 |
| 62.5° | 5881.7 | 5914.3 | 6337.7 | 6987.3 | 7450.8 | 7189.0 | 7147.8 | 6693.4 | 6724.0 | 6670.3 | 6797.7 |
| 65° | 5295.8 | 5346.5 | 6040.2 | 6920.6 | 7766.9 | 7856.6 | 7815.0 | 7278.8 | 7135.8 | 7047.5 | 6976.8 |
| 67.5° | 4300.0 | 4330.1 | 5054.5 | 6340.2 | 7624.4 | 8255.0 | 8246.4 | 7791.9 | 7446.8 | 6983.8 | 6435.0 |
| 69° | 3553.6 | 3583.2 | 4280.5 | 5729.2 | 7310.9 | 8340.2 | 8356.8 | 7956.5 | 7387.6 | 6596.5 | 5701.6 |
| 70° | 3009.8 | 3041.4 | 3691.1 | 5205.5 | 6947.2 | 8300.6 | 8330.2 | 7940.9 | 7218.1 | 6148.1 | 5058.0 |
| 72.5° | 1578.7 | 1605.7 | 2272.4 | 3586.2 | 5663.5 | 7621.9 | 7711.7 | 7269.7 | 6118.5 | 4465.1 | 2990.8 |
| 75° | 496.1 | 511.7 | 887.4 | 1874.6 | 3877.7 | 5926.3 | 5946.9 | 5702.6 | 4344.7 | 2456.0 | 1245.6 |
| 77.5° | 189.1 | 184.6 | 295.5 | 690.8 | 1960.4 | 3731.7 | 3857.6 | 3563.6 | 2279.9 | 868.3 | 287.4 |
| 80° | 101.8 | 102.3 | 153.5 | 285.9 | 838.7 | 1917.8 | 2024.1 | 1727.1 | 810.1 | 270.9 | 66.2 |
| 82.5° | 44.1 | 46.2 | 86.3 | 151.5 | 385.3 | 707.3 | 760.5 | 633.1 | 309.5 | 182.1 | 24.6 |
| 85° | 9.5 | 10.5 | 41.6 | 82.3 | 157.0 | 198.6 | 208.2 | 205.2 | 197.1 | 141.5 | 9.5 |
| 87.5° | 0.0 | 0.0 | 18.6 | 29.6 | 39.6 | 45.1 | 39.6 | 51.7 | 108.9 | 95.3 | 5.0 |
| 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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CATALOG NUMBER: GWC-SA2C-750-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 | 1072.0 |
| 2.5° | 1073.0 | 1064.0 | 1048.4 | 1031.4 | 1019.3 | 1006.8 | 996.8 | 992.2 | 987.2 | 983.7 | 988.2 |
| 5° | 1071.0 | 1053.4 | 1023.3 | 994.2 | 973.2 | 956.1 | 942.1 | 936.6 | 931.0 | 927.0 | 926.5 |
| 7.5° | 1088.6 | 1064.0 | 1017.8 | 975.2 | 942.6 | 919.5 | 900.4 | 892.4 | 885.9 | 882.9 | 880.4 |
| 10° | 1122.2 | 1090.6 | 1028.9 | 973.2 | 931.0 | 891.9 | 850.8 | 819.2 | 798.6 | 789.1 | 785.6 |
| 12.5° | 1165.8 | 1126.2 | 1049.9 | 983.7 | 922.5 | 847.3 | 760.0 | 684.7 | 636.1 | 620.0 | 610.5 |
| 15° | 1217.0 | 1167.8 | 1077.5 | 997.3 | 891.4 | 754.0 | 606.0 | 507.7 | 462.5 | 453.5 | 443.4 |
| 17.5° | 1266.1 | 1212.0 | 1110.6 | 999.8 | 823.2 | 602.5 | 443.9 | 377.2 | 359.7 | 365.7 | 367.2 |
| 20° | 1309.3 | 1255.6 | 1143.2 | 977.7 | 699.3 | 452.0 | 343.6 | 327.1 | 333.6 | 345.1 | 347.1 |
| 22.5° | 1352.9 | 1297.7 | 1173.3 | 919.5 | 540.8 | 343.1 | 309.5 | 313.5 | 320.0 | 331.6 | 333.6 |
| 25° | 1406.1 | 1348.9 | 1201.4 | 812.7 | 405.8 | 292.0 | 294.0 | 300.0 | 306.5 | 317.0 | 318.0 |
| 27.5° | 1467.3 | 1413.6 | 1220.0 | 673.7 | 301.0 | 268.4 | 274.9 | 283.9 | 290.4 | 300.5 | 302.5 |
| 30° | 1548.6 | 1498.9 | 1226.0 | 529.7 | 252.3 | 247.3 | 250.3 | 261.4 | 270.9 | 279.9 | 281.4 |
| 32.5° | 1624.8 | 1583.2 | 1205.9 | 399.8 | 233.8 | 227.7 | 227.7 | 234.3 | 245.3 | 253.8 | 255.8 |
| 35° | 1695.0 | 1667.9 | 1141.7 | 292.5 | 219.7 | 209.7 | 204.7 | 204.7 | 211.7 | 218.7 | 220.7 |
| 37.5° | 1787.8 | 1786.8 | 1037.9 | 233.3 | 206.2 | 194.6 | 184.1 | 176.1 | 173.6 | 175.1 | 176.1 |
| 40° | 1946.9 | 1948.4 | 902.4 | 209.2 | 194.6 | 179.1 | 163.0 | 148.5 | 134.9 | 130.4 | 129.9 |
| 42.5° | 2195.2 | 2172.6 | 760.5 | 197.6 | 184.6 | 163.0 | 139.0 | 119.4 | 98.3 | 91.8 | 91.3 |
| 45° | 2589.5 | 2455.5 | 610.0 | 187.1 | 174.1 | 145.0 | 114.9 | 88.3 | 71.2 | 66.2 | 66.2 |
| 47.5° | 3163.8 | 2827.2 | 472.5 | 175.6 | 160.0 | 124.4 | 86.8 | 63.7 | 52.2 | 49.7 | 50.2 |
| 50° | 3757.8 | 3191.4 | 362.2 | 161.0 | 143.0 | 102.8 | 64.2 | 46.2 | 39.6 | 39.6 | 40.1 |
| 52.5° | 4284.5 | 3458.3 | 282.4 | 145.5 | 121.9 | 80.8 | 48.7 | 36.1 | 33.1 | 32.6 | 33.1 |
| 55° | 4777.6 | 3630.4 | 216.2 | 127.4 | 96.8 | 60.2 | 37.1 | 29.6 | 27.6 | 26.6 | 26.1 |
| 57.5° | 5253.2 | 3715.6 | 162.0 | 102.8 | 70.2 | 43.6 | 29.6 | 25.1 | 23.1 | 21.6 | 21.1 |
| 60° | 5569.7 | 3646.4 | 111.4 | 75.7 | 48.7 | 31.6 | 24.6 | 21.6 | 19.1 | 17.6 | 17.1 |
| 62.5° | 5748.3 | 3457.3 | 71.7 | 54.7 | 34.6 | 23.6 | 19.6 | 18.1 | 14.5 | 13.0 | 13.0 |
| 65° | 5676.0 | 3145.3 | 50.2 | 39.1 | 25.1 | 17.6 | 14.5 | 14.5 | 10.5 | 8.5 | 8.0 |
| 67.5° | 5029.9 | 2657.2 | 38.1 | 29.1 | 18.1 | 13.0 | 11.0 | 12.5 | 6.5 | 4.0 | 4.0 |
| 69° | 4327.6 | 2202.2 | 32.6 | 24.1 | 15.0 | 10.5 | 9.5 | 11.5 | 4.5 | 3.0 | 2.5 |
| 70° | 3761.3 | 1899.7 | 29.6 | 21.1 | 12.5 | 9.0 | 8.5 | 11.0 | 4.5 | 2.5 | 2.0 |
| 72.5° | 2250.3 | 1059.5 | 22.6 | 15.0 | 8.0 | 7.0 | 7.0 | 12.5 | 4.5 | 2.5 | 2.0 |
| 75° | 909.5 | 373.2 | 16.6 | 10.5 | 6.0 | 6.0 | 8.5 | 16.1 | 4.0 | 2.0 | 1.5 |
| 77.5° | 206.2 | 81.8 | 9.5 | 6.5 | 4.0 | 6.0 | 10.0 | 12.5 | 2.5 | 1.0 | 0.0 |
| 80° | 50.2 | 20.1 | 6.0 | 4.0 | 2.5 | 4.5 | 7.5 | 7.0 | 0.5 | 0.0 | 0.0 |
| 82.5° | 16.6 | 7.0 | 2.5 | 2.0 | 0.5 | 1.5 | 3.5 | 2.0 | 0.0 | 0.0 | 0.0 |
| 85° | 7.0 | 4.0 | 1.0 | 0.5 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.5 | 1.5 | 0.0 | 0.0 | 0.0 | 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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