

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: P386906

Luminaire Tested: **GWC-SA2C-760-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386906  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA2C-760-U-T4FT-HSS  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10483 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

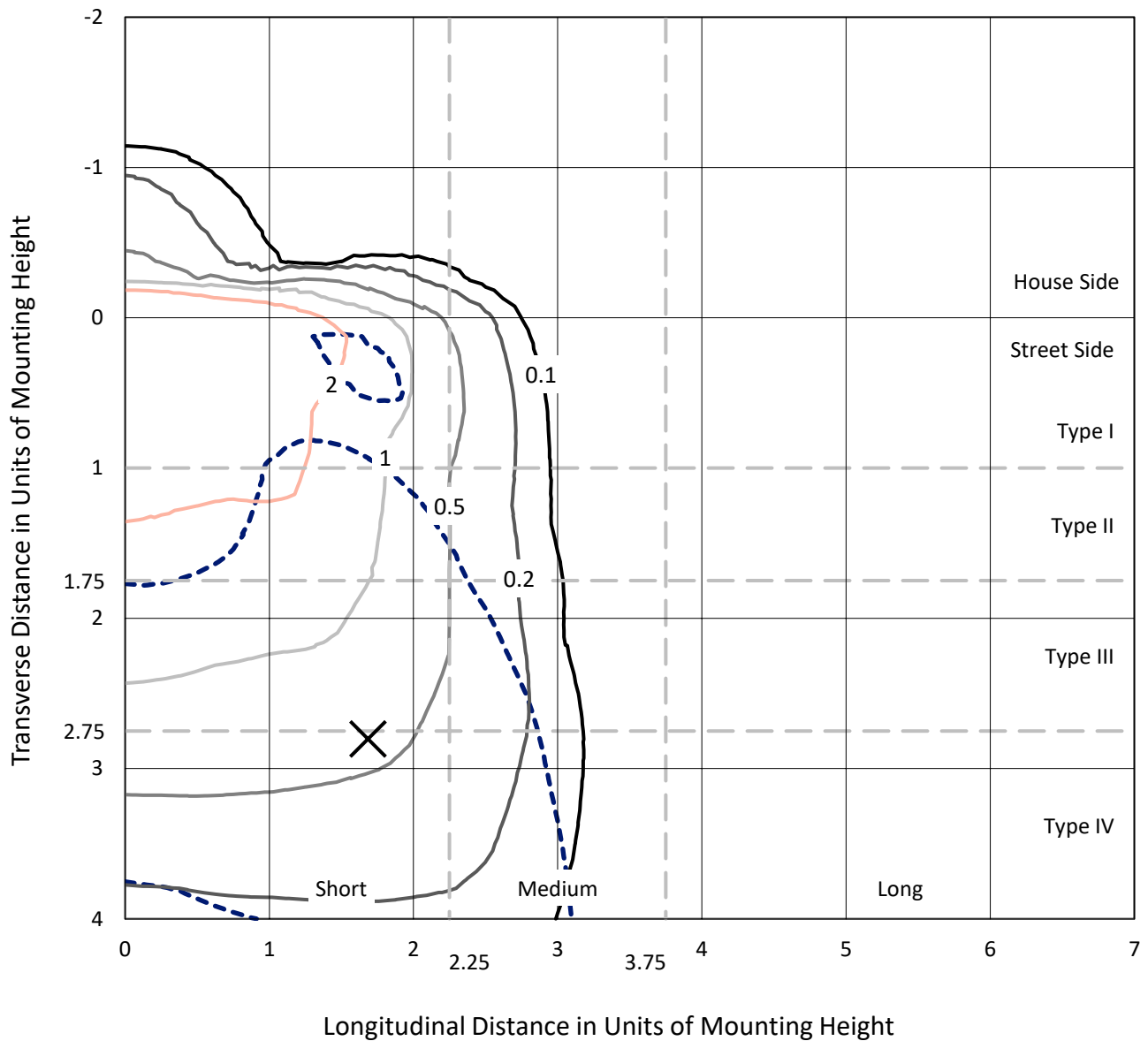
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P386906  
 CATALOG NUMBER: GWC-SA2C-760-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

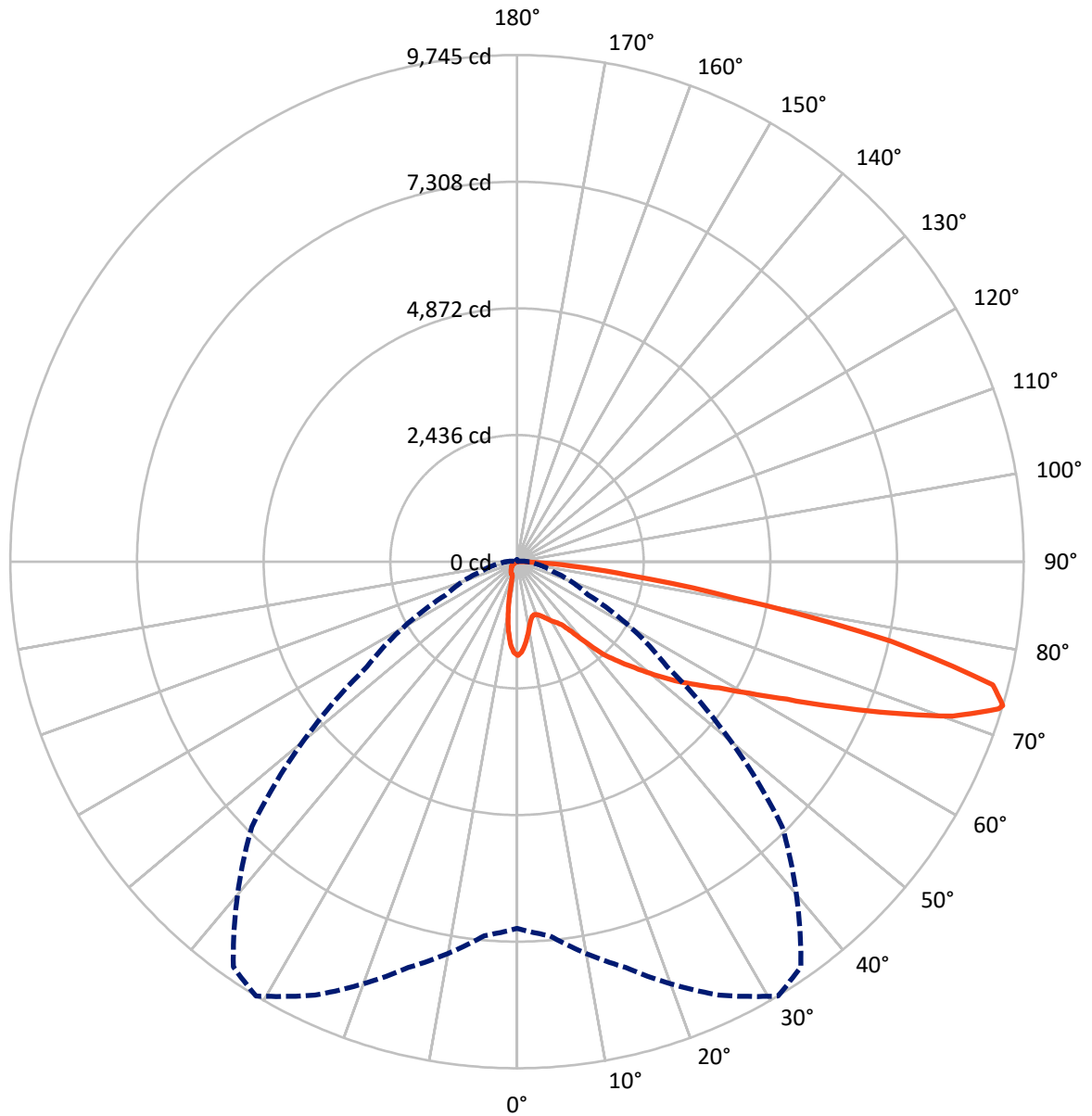
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P386906  
CATALOG NUMBER: GWC-SA2C-760-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral    - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P386906

CATALOG NUMBER: GWC-SA2C-760-U-T4FT-HSS

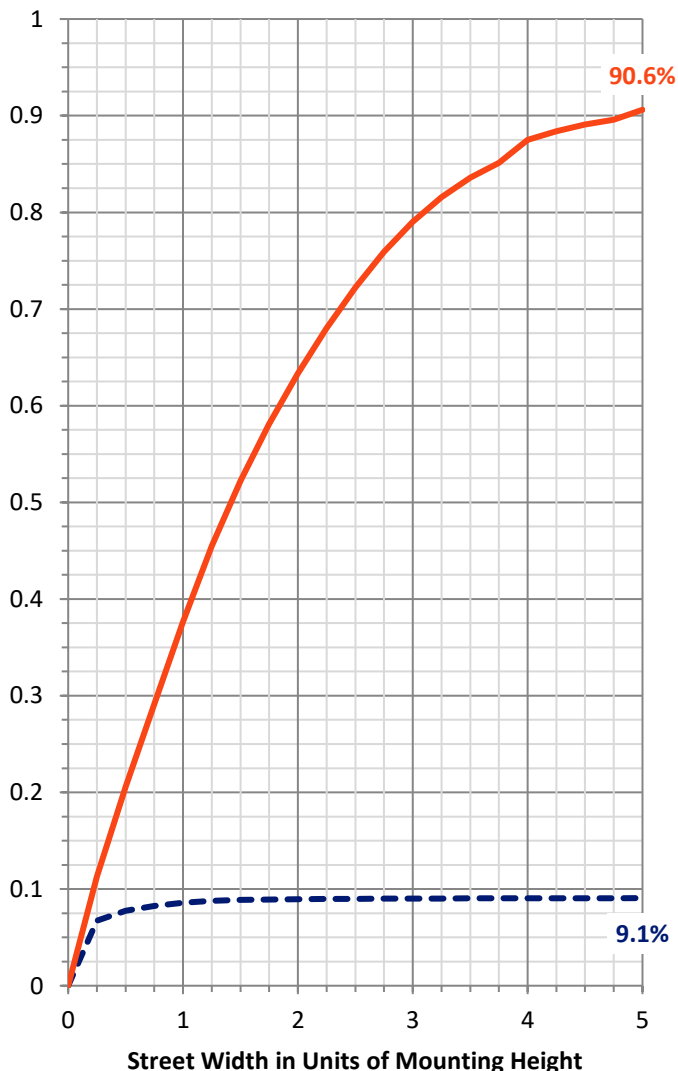
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 955.6    | 0.0    | 955.6   |
|                    | % Fixture | 9.1      | 0.0    | 9.1     |
| <b>Street Side</b> | Lumens    | 9527.4   | 0.0    | 9527.4  |
|                    | % Fixture | 90.9     | 0.0    | 90.9    |
| <b>Total</b>       | Lumens    | 10483.0  | 0.0    | 10483.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 149.5   | 1.4       |
| 10°-20°   | 324.7   | 3.1       |
| 20°-30°   | 486.5   | 4.6       |
| 30°-40°   | 774.0   | 7.4       |
| 40°-50°   | 1382.2  | 13.2      |
| 50°-60°   | 2144.8  | 20.5      |
| 60°-70°   | 2851.2  | 27.2      |
| 70°-80°   | 2144.7  | 20.5      |
| 80°-90°   | 225.4   | 2.1       |
| 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°    | 10483.0 | 100.0     |
| 0°-180°   | 10483.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P386906

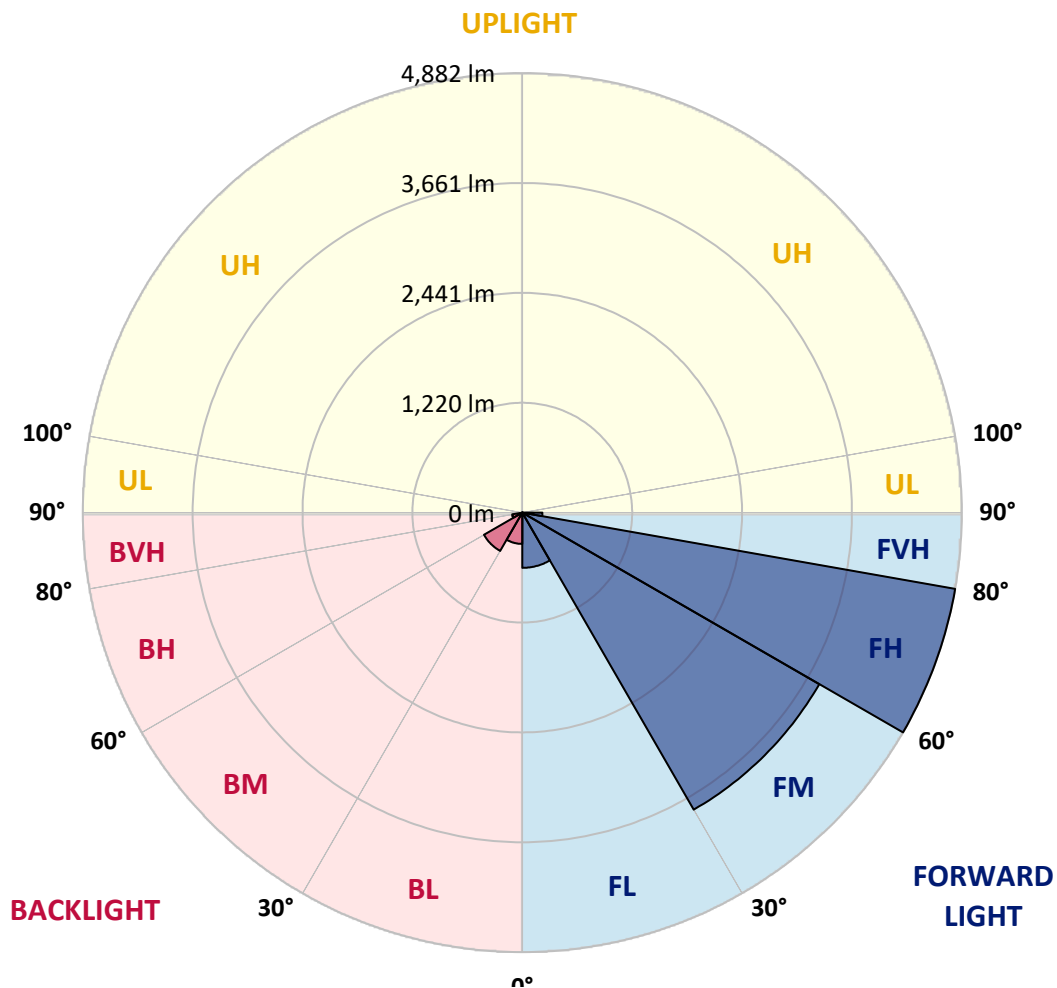
CATALOG NUMBER: GWC-SA2C-760-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 613.3  | 5.9       |                         |      |         |
| FM (30°-60°)   | 3809.2 | 36.3      |                         |      |         |
| FH (60°-80°)   | 4881.5 | 46.6      |                         |      | G2/5000 |
| FVH (80°-90°)  | 223.5  | 2.1       |                         |      | G2/225  |
| BL (0°-30°)    | 347.5  | 3.3       | B1/500                  |      |         |
| BM (30°-60°)   | 491.9  | 4.7       | B1/1000                 |      |         |
| BH (60°-80°)   | 114.3  | 1.1       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 1.9    | 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





REPORT NUMBER: P386906

CATALOG NUMBER: GWC-SA2C-760-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 31°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 |
| 2.5°  | 1709.2 | 1716.4 | 1724.1 | 1725.6 | 1738.5 | 1739.0 | 1757.5 | 1771.3 | 1785.2 | 1798.5 | 1803.1 |
| 5°    | 1533.8 | 1545.6 | 1559.4 | 1573.3 | 1600.5 | 1611.3 | 1656.4 | 1702.6 | 1746.7 | 1788.7 | 1809.3 |
| 7.5°  | 1346.6 | 1359.9 | 1379.4 | 1413.8 | 1444.0 | 1465.1 | 1536.4 | 1618.4 | 1700.5 | 1778.0 | 1822.6 |
| 10°   | 1175.7 | 1188.1 | 1208.6 | 1245.0 | 1291.7 | 1320.4 | 1416.3 | 1530.2 | 1650.8 | 1768.2 | 1842.6 |
| 12.5° | 1067.0 | 1073.7 | 1084.9 | 1123.9 | 1166.0 | 1198.3 | 1311.2 | 1452.2 | 1609.7 | 1767.7 | 1874.9 |
| 15°   | 1047.0 | 1049.0 | 1039.8 | 1057.2 | 1090.1 | 1121.4 | 1235.8 | 1389.1 | 1578.4 | 1775.9 | 1917.0 |
| 17.5° | 1078.8 | 1077.8 | 1047.0 | 1044.9 | 1071.1 | 1096.7 | 1198.8 | 1345.5 | 1556.4 | 1794.9 | 1971.4 |
| 20°   | 1127.0 | 1123.4 | 1070.1 | 1060.3 | 1088.0 | 1112.1 | 1196.3 | 1329.1 | 1548.2 | 1826.7 | 2037.5 |
| 22.5° | 1191.1 | 1185.0 | 1101.4 | 1091.1 | 1120.9 | 1146.0 | 1228.1 | 1345.0 | 1555.3 | 1869.3 | 2114.5 |
| 25°   | 1270.6 | 1261.4 | 1155.2 | 1143.9 | 1174.2 | 1199.3 | 1285.0 | 1390.7 | 1576.9 | 1921.1 | 2212.0 |
| 27.5° | 1360.4 | 1347.1 | 1241.4 | 1212.2 | 1246.5 | 1272.7 | 1360.9 | 1460.4 | 1610.7 | 1976.0 | 2331.5 |
| 30°   | 1445.1 | 1427.6 | 1332.2 | 1284.0 | 1326.0 | 1355.3 | 1443.0 | 1543.5 | 1665.1 | 2060.6 | 2495.1 |
| 32.5° | 1530.2 | 1510.7 | 1413.2 | 1355.8 | 1393.8 | 1425.6 | 1527.6 | 1657.9 | 1767.2 | 2189.9 | 2712.6 |
| 35°   | 1726.2 | 1705.6 | 1586.1 | 1491.2 | 1490.7 | 1508.7 | 1646.1 | 1814.4 | 1902.1 | 2369.9 | 2972.2 |
| 37.5° | 2056.0 | 2044.2 | 1930.3 | 1750.3 | 1702.1 | 1682.0 | 1807.7 | 2001.1 | 2096.0 | 2617.7 | 3265.1 |
| 40°   | 2417.1 | 2406.9 | 2279.1 | 2116.0 | 2042.7 | 1993.4 | 2039.6 | 2261.2 | 2369.9 | 2920.4 | 3564.2 |
| 42.5° | 2825.0 | 2776.2 | 2548.5 | 2499.7 | 2434.1 | 2396.6 | 2355.1 | 2581.8 | 2706.5 | 3249.7 | 3860.7 |
| 45°   | 3195.3 | 3113.2 | 2817.8 | 2743.9 | 2729.0 | 2738.3 | 2761.3 | 3012.7 | 3085.0 | 3641.1 | 4156.1 |
| 47.5° | 3415.9 | 3351.3 | 3124.5 | 3053.7 | 3049.6 | 3110.7 | 3285.1 | 3499.5 | 3462.1 | 3982.2 | 4416.2 |
| 50°   | 3625.7 | 3567.2 | 3379.0 | 3396.4 | 3415.4 | 3498.5 | 3879.6 | 4000.2 | 3806.3 | 4291.6 | 4654.7 |
| 52.5° | 3795.5 | 3706.2 | 3607.8 | 3705.7 | 3799.1 | 3933.0 | 4493.2 | 4449.5 | 4050.5 | 4537.8 | 4858.9 |
| 55°   | 3893.5 | 3853.0 | 3900.7 | 3999.2 | 4174.6 | 4392.1 | 5072.3 | 4823.5 | 4229.0 | 4762.5 | 4994.8 |
| 57.5° | 4252.6 | 4173.1 | 4268.0 | 4353.1 | 4581.9 | 4886.1 | 5568.3 | 5102.1 | 4357.7 | 4901.5 | 5026.1 |
| 60°   | 4687.1 | 4622.9 | 4678.8 | 4820.4 | 5129.2 | 5486.8 | 6032.1 | 5329.3 | 4424.9 | 4990.7 | 4945.1 |
| 62.5° | 5378.5 | 5293.9 | 5259.0 | 5417.5 | 5826.9 | 6217.3 | 6384.0 | 5486.8 | 4410.0 | 4951.2 | 4667.1 |
| 65°   | 6305.0 | 6217.3 | 6061.3 | 6205.0 | 6725.6 | 7001.1 | 6777.4 | 5520.1 | 4307.5 | 4631.7 | 3964.3 |
| 67.5° | 7254.0 | 7190.4 | 7057.0 | 7299.1 | 7769.0 | 7857.8 | 7193.5 | 5439.1 | 3977.1 | 3755.5 | 2800.8 |
| 70°   | 7880.8 | 7853.7 | 7940.3 | 8475.9 | 8895.0 | 8869.3 | 7575.1 | 5003.6 | 3099.9 | 2309.4 | 1385.5 |
| 72.5° | 7428.9 | 7559.2 | 8199.4 | 9170.5 | 9682.4 | 9473.1 | 7379.2 | 3842.2 | 1771.8 | 888.5  | 400.6  |
| 73°   | 7054.4 | 7221.2 | 8083.0 | 9196.6 | 9744.5 | 9515.2 | 7214.5 | 3526.7 | 1510.2 | 701.2  | 303.7  |
| 75°   | 4907.6 | 5112.3 | 6691.8 | 8565.2 | 9454.1 | 9065.8 | 6013.6 | 2158.6 | 699.7  | 310.9  | 122.6  |
| 77.5° | 2382.8 | 2534.1 | 3684.7 | 6188.5 | 7352.5 | 7083.2 | 3743.7 | 804.3  | 316.0  | 194.4  | 56.4   |
| 80°   | 889.5  | 989.0  | 1599.5 | 3149.7 | 4249.0 | 4360.3 | 1646.7 | 304.2  | 210.3  | 156.5  | 28.7   |
| 82.5° | 232.9  | 259.6  | 589.9  | 1404.5 | 2177.6 | 2279.1 | 519.1  | 153.4  | 153.9  | 128.8  | 17.4   |
| 85°   | 74.4   | 85.2   | 184.2  | 630.4  | 1026.0 | 900.8  | 135.4  | 74.4   | 111.8  | 95.9   | 9.7    |
| 87.5° | 9.2    | 11.8   | 58.5   | 148.2  | 226.2  | 125.7  | 21.0   | 22.1   | 47.7   | 53.3   | 5.6    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P386906

CATALOG NUMBER: GWC-SA2C-760-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 | 1803.6 |
| 2.5°  | 1807.7 | 1805.2 | 1805.7 | 1792.3 | 1783.6 | 1766.2 | 1748.2 | 1740.0 | 1731.3 | 1727.7 | 1731.3 |
| 5°    | 1817.0 | 1812.3 | 1799.0 | 1758.0 | 1714.4 | 1657.9 | 1605.1 | 1565.1 | 1514.8 | 1501.0 | 1515.3 |
| 7.5°  | 1831.3 | 1822.1 | 1783.1 | 1699.5 | 1602.5 | 1494.8 | 1373.7 | 1285.5 | 1213.2 | 1166.5 | 1183.4 |
| 10°   | 1852.4 | 1834.9 | 1756.4 | 1614.3 | 1440.9 | 1250.1 | 1078.3 | 944.4  | 849.5  | 810.5  | 809.0  |
| 12.5° | 1887.7 | 1854.9 | 1723.6 | 1503.5 | 1243.5 | 989.0  | 763.8  | 618.6  | 541.7  | 491.9  | 490.9  |
| 15°   | 1926.7 | 1878.5 | 1682.0 | 1370.7 | 1013.6 | 708.4  | 491.9  | 381.7  | 331.9  | 316.0  | 313.9  |
| 17.5° | 1974.4 | 1905.7 | 1628.2 | 1207.0 | 773.1  | 469.4  | 321.1  | 289.3  | 287.3  | 285.7  | 285.7  |
| 20°   | 2034.5 | 1938.0 | 1558.9 | 1019.8 | 548.4  | 313.4  | 272.9  | 275.0  | 276.0  | 273.9  | 274.4  |
| 22.5° | 2104.2 | 1970.9 | 1476.3 | 818.7  | 370.9  | 262.1  | 261.1  | 263.7  | 264.7  | 263.7  | 264.2  |
| 25°   | 2185.3 | 2008.8 | 1375.8 | 607.9  | 267.8  | 248.8  | 251.4  | 254.9  | 257.5  | 257.5  | 257.5  |
| 27.5° | 2285.8 | 2055.0 | 1254.7 | 424.2  | 231.4  | 234.9  | 242.1  | 248.8  | 252.4  | 253.4  | 253.4  |
| 30°   | 2416.6 | 2112.4 | 1109.6 | 290.9  | 210.3  | 216.5  | 229.8  | 242.6  | 249.3  | 250.3  | 250.8  |
| 32.5° | 2581.8 | 2177.1 | 941.3  | 214.9  | 192.4  | 197.0  | 211.3  | 232.9  | 245.7  | 247.8  | 247.8  |
| 35°   | 2771.1 | 2252.0 | 760.2  | 187.2  | 179.5  | 181.1  | 192.4  | 217.0  | 239.6  | 245.2  | 245.7  |
| 37.5° | 2978.3 | 2325.8 | 578.1  | 174.9  | 168.8  | 168.8  | 177.0  | 198.0  | 224.7  | 242.1  | 244.2  |
| 40°   | 3171.7 | 2370.5 | 405.3  | 165.2  | 159.0  | 159.0  | 166.2  | 181.6  | 206.7  | 232.9  | 238.5  |
| 42.5° | 3350.2 | 2385.8 | 282.1  | 155.9  | 149.8  | 151.3  | 157.5  | 169.8  | 188.8  | 214.9  | 220.1  |
| 45°   | 3533.9 | 2383.3 | 205.7  | 145.2  | 140.6  | 145.2  | 149.8  | 159.0  | 172.9  | 187.7  | 188.8  |
| 47.5° | 3672.4 | 2361.7 | 163.1  | 134.9  | 131.8  | 138.0  | 142.1  | 148.2  | 155.9  | 154.9  | 154.9  |
| 50°   | 3802.2 | 2309.4 | 131.3  | 121.1  | 123.1  | 130.3  | 132.3  | 134.4  | 134.9  | 125.2  | 124.1  |
| 52.5° | 3900.7 | 2227.9 | 105.2  | 106.2  | 114.4  | 121.6  | 119.5  | 116.4  | 111.3  | 99.5   | 97.5   |
| 55°   | 3933.5 | 2070.9 | 82.6   | 87.7   | 101.6  | 110.8  | 103.1  | 96.4   | 86.7   | 76.9   | 74.9   |
| 57.5° | 3874.0 | 1868.3 | 67.2   | 68.2   | 85.7   | 93.4   | 84.6   | 76.9   | 66.2   | 58.0   | 56.4   |
| 60°   | 3747.8 | 1643.1 | 55.4   | 51.3   | 66.2   | 72.8   | 67.2   | 59.5   | 49.8   | 43.6   | 43.1   |
| 62.5° | 3497.5 | 1403.0 | 45.7   | 40.0   | 50.3   | 55.9   | 52.3   | 46.7   | 38.5   | 34.4   | 33.9   |
| 65°   | 2971.2 | 1122.4 | 36.9   | 32.3   | 39.0   | 43.6   | 40.5   | 36.4   | 30.3   | 27.2   | 26.7   |
| 67.5° | 2074.0 | 758.7  | 30.3   | 26.7   | 30.8   | 34.4   | 31.8   | 29.8   | 24.1   | 23.6   | 24.1   |
| 70°   | 1000.3 | 365.8  | 25.1   | 21.5   | 24.1   | 26.7   | 25.6   | 24.1   | 23.1   | 26.7   | 30.8   |
| 72.5° | 286.8  | 122.6  | 20.0   | 18.0   | 19.5   | 21.0   | 22.1   | 21.5   | 25.1   | 32.3   | 37.4   |
| 73°   | 220.6  | 99.0   | 19.0   | 16.9   | 18.5   | 20.5   | 21.5   | 21.0   | 25.6   | 32.8   | 37.4   |
| 75°   | 94.4   | 47.7   | 14.4   | 13.9   | 15.4   | 18.0   | 19.0   | 19.0   | 25.6   | 33.3   | 35.9   |
| 77.5° | 42.6   | 25.6   | 9.2    | 10.8   | 13.3   | 14.4   | 15.9   | 15.9   | 20.5   | 25.6   | 25.6   |
| 80°   | 24.1   | 13.9   | 7.2    | 8.2    | 9.7    | 9.7    | 9.7    | 8.7    | 9.2    | 10.3   | 11.3   |
| 82.5° | 15.4   | 9.2    | 5.6    | 6.7    | 6.2    | 5.1    | 4.1    | 4.1    | 3.6    | 4.1    | 5.1    |
| 85°   | 8.7    | 5.1    | 5.1    | 4.1    | 2.6    | 2.1    | 2.6    | 2.1    | 0.5    | 0.0    | 0.5    |
| 87.5° | 5.1    | 3.1    | 1.5    | 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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



--- HS — SS

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



u

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)