

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: P386685

Luminaire Tested: **GWC-SA2B-760-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA2B-760-U-T4W
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11842 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

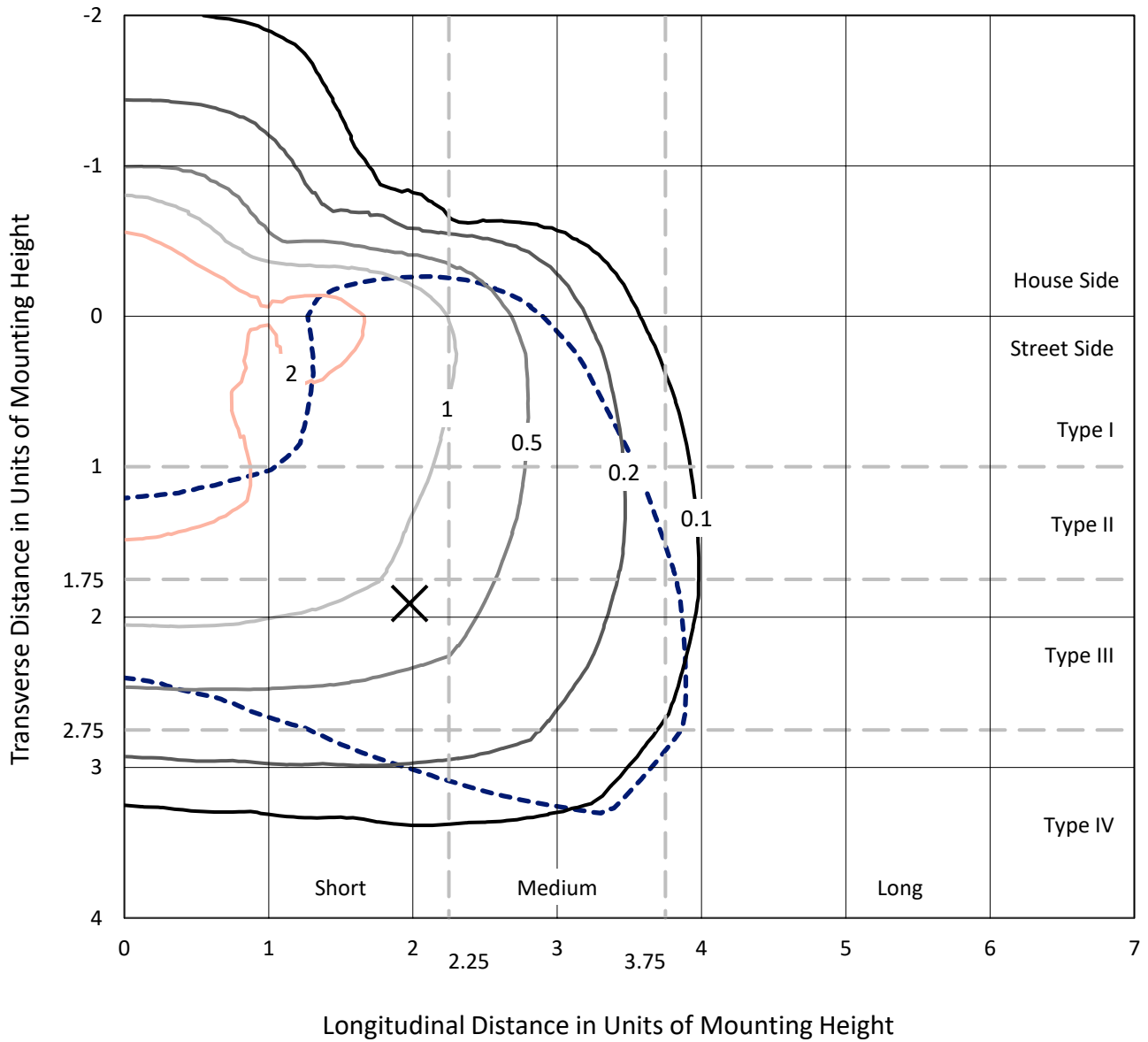
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P386685
 CATALOG NUMBER: GWC-SA2B-760-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

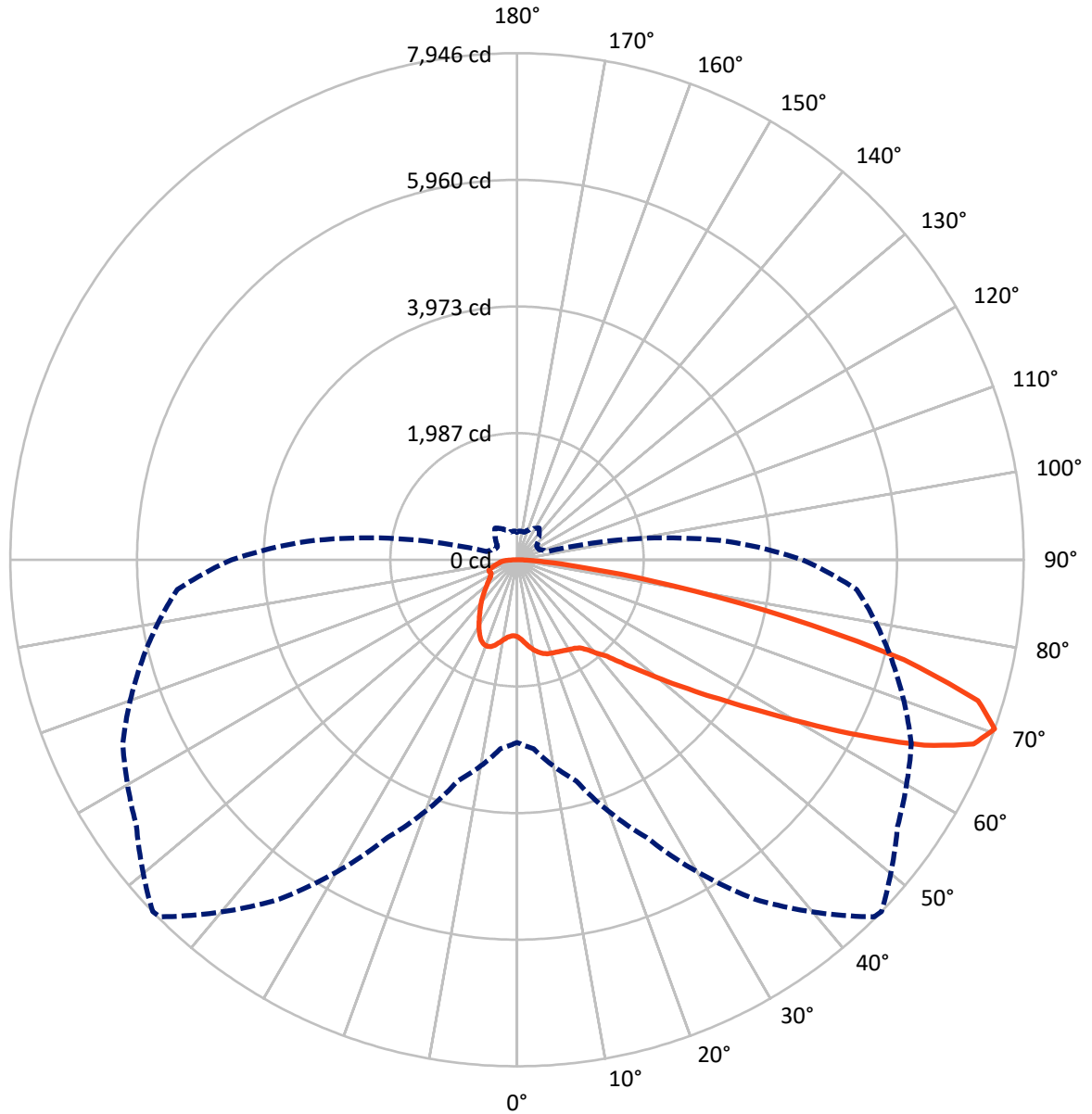
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P386685
CATALOG NUMBER: GWC-SA2B-760-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



REPORT NUMBER: P386685

CATALOG NUMBER: GWC-SA2B-760-U-T4W

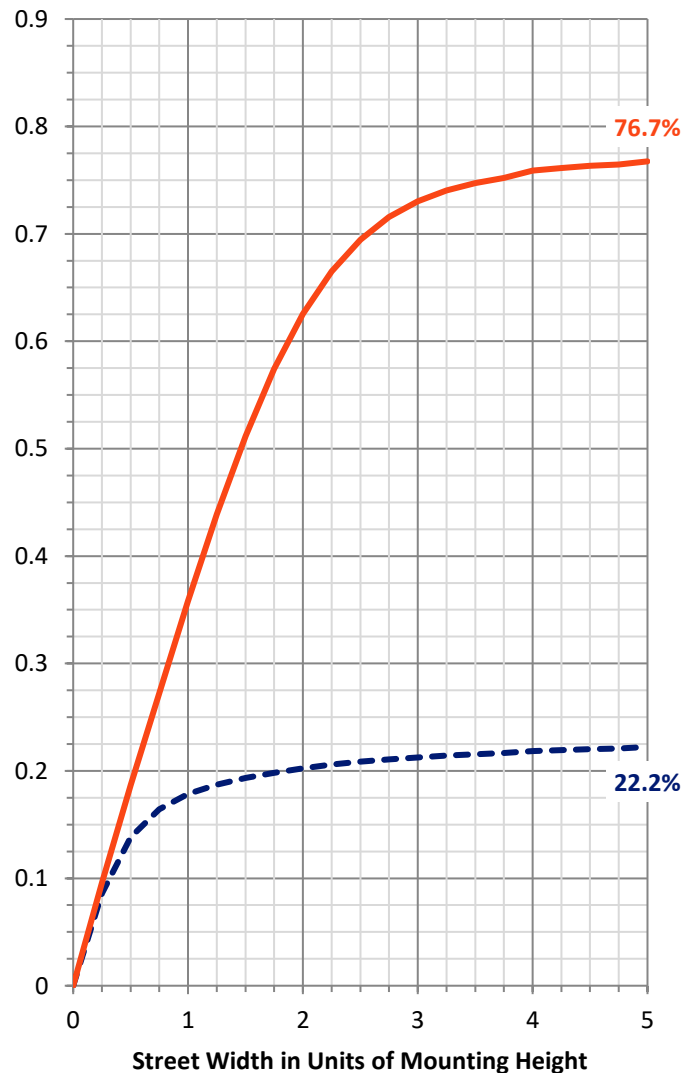
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2714.2 | 0.0 | 2714.2 |
| | % Fixture | 22.9 | 0.0 | 22.9 |
| Street Side | Lumens | 9127.8 | 0.0 | 9127.8 |
| | % Fixture | 77.1 | 0.0 | 77.1 |
| Total | Lumens | 11842.0 | 0.0 | 11842.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 123.0 | 1.0 |
| 10°-20° | 409.8 | 3.5 |
| 20°-30° | 683.2 | 5.8 |
| 30°-40° | 969.6 | 8.2 |
| 40°-50° | 1426.2 | 12.0 |
| 50°-60° | 2415.2 | 20.4 |
| 60°-70° | 3428.4 | 29.0 |
| 70°-80° | 2082.8 | 17.6 |
| 80°-90° | 303.9 | 2.6 |
| 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° | 11842.0 | 100.0 |
| 0°-180° | 11842.0 | 100.0 |



REPORT NUMBER: P386685

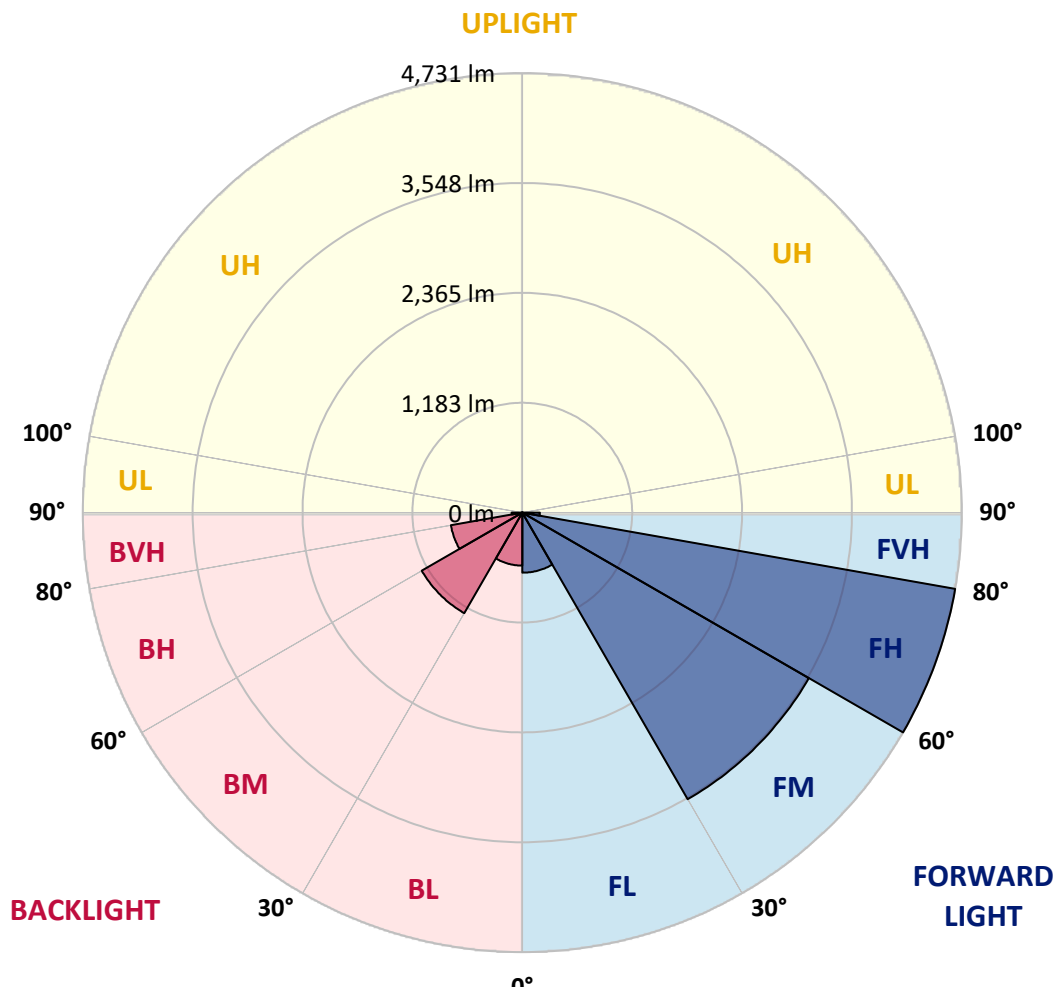
CATALOG NUMBER: GWC-SA2B-760-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 646.2 | 5.5 | | | |
| FM (30°-60°) | 3561.5 | 30.1 | | | |
| FH (60°-80°) | 4730.8 | 39.9 | | | G2/5000 |
| FVH (80°-90°) | 189.3 | 1.6 | | | G2/225 |
| BL (0°-30°) | 569.8 | 4.8 | B2/1000 | | |
| BM (30°-60°) | 1249.4 | 10.6 | B2/2500 | | |
| BH (60°-80°) | 780.3 | 6.6 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 114.6 | 1.0 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





REPORT NUMBER: P386685

CATALOG NUMBER: GWC-SA2B-760-U-T4W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 |
| 2.5° | 1266.9 | 1267.7 | 1269.3 | 1265.2 | 1253.9 | 1250.6 | 1249.4 | 1237.7 | 1230.0 | 1218.6 | 1208.9 |
| 5° | 1368.2 | 1369.0 | 1366.5 | 1355.2 | 1330.1 | 1311.4 | 1309.8 | 1283.1 | 1258.7 | 1232.8 | 1213.4 |
| 7.5° | 1473.9 | 1475.2 | 1467.5 | 1446.0 | 1410.7 | 1378.3 | 1376.3 | 1339.8 | 1302.9 | 1263.6 | 1234.4 |
| 10° | 1567.6 | 1562.7 | 1550.1 | 1520.1 | 1478.4 | 1438.7 | 1437.1 | 1399.0 | 1356.4 | 1309.0 | 1270.1 |
| 12.5° | 1630.0 | 1625.9 | 1609.7 | 1573.2 | 1527.4 | 1491.0 | 1487.7 | 1452.5 | 1411.1 | 1359.3 | 1312.6 |
| 15° | 1664.4 | 1667.3 | 1645.4 | 1604.0 | 1559.5 | 1528.7 | 1525.8 | 1500.7 | 1463.8 | 1411.5 | 1358.0 |
| 17.5° | 1668.9 | 1671.3 | 1650.2 | 1609.3 | 1572.8 | 1551.8 | 1550.5 | 1533.9 | 1507.2 | 1456.9 | 1401.0 |
| 20° | 1642.9 | 1644.6 | 1627.1 | 1593.5 | 1569.6 | 1563.1 | 1562.7 | 1555.4 | 1535.5 | 1491.0 | 1436.7 |
| 22.5° | 1605.2 | 1606.5 | 1593.9 | 1569.6 | 1561.5 | 1571.6 | 1574.4 | 1571.6 | 1557.4 | 1515.7 | 1464.6 |
| 25° | 1595.9 | 1595.1 | 1582.1 | 1557.4 | 1564.3 | 1585.8 | 1589.4 | 1590.7 | 1580.9 | 1544.5 | 1500.3 |
| 27.5° | 1640.9 | 1638.1 | 1613.4 | 1573.6 | 1578.1 | 1604.0 | 1608.9 | 1620.6 | 1614.6 | 1582.6 | 1540.8 |
| 30° | 1771.0 | 1766.1 | 1715.5 | 1635.2 | 1613.4 | 1626.7 | 1632.8 | 1651.4 | 1652.7 | 1625.9 | 1594.7 |
| 32.5° | 1990.7 | 1984.6 | 1893.8 | 1750.3 | 1672.9 | 1649.8 | 1655.5 | 1683.5 | 1698.5 | 1677.8 | 1644.2 |
| 35° | 2268.3 | 2261.4 | 2142.2 | 1946.1 | 1772.6 | 1694.0 | 1698.1 | 1720.3 | 1750.3 | 1721.2 | 1676.6 |
| 37.5° | 2557.6 | 2541.0 | 2426.3 | 2176.3 | 1931.1 | 1788.4 | 1788.4 | 1791.3 | 1805.4 | 1744.7 | 1714.7 |
| 40° | 2845.4 | 2828.7 | 2725.0 | 2447.0 | 2136.1 | 1937.2 | 1927.8 | 1865.0 | 1853.7 | 1801.4 | 1791.3 |
| 42.5° | 3112.8 | 3108.0 | 3046.8 | 2753.0 | 2376.9 | 2083.5 | 2070.5 | 1963.9 | 1966.3 | 1933.9 | 1934.3 |
| 45° | 3397.3 | 3397.3 | 3347.5 | 3061.8 | 2657.3 | 2318.5 | 2305.5 | 2148.7 | 2173.0 | 2158.0 | 2194.1 |
| 47.5° | 3629.5 | 3636.8 | 3629.9 | 3383.5 | 2983.5 | 2617.2 | 2593.7 | 2404.8 | 2472.9 | 2524.4 | 2629.3 |
| 50° | 3866.6 | 3878.0 | 3879.2 | 3736.5 | 3377.9 | 2972.2 | 2945.5 | 2744.8 | 2896.8 | 3044.3 | 3250.6 |
| 52.5° | 4210.7 | 4236.2 | 4134.5 | 4088.7 | 3860.9 | 3393.7 | 3367.3 | 3182.1 | 3435.8 | 3642.9 | 3998.3 |
| 55° | 4529.6 | 4507.3 | 4434.8 | 4463.2 | 4378.1 | 3873.5 | 3853.6 | 3691.1 | 4036.4 | 4305.5 | 4767.1 |
| 57.5° | 4702.3 | 4700.6 | 4773.6 | 4895.2 | 4935.7 | 4465.2 | 4448.6 | 4290.5 | 4713.6 | 4915.8 | 5488.9 |
| 60° | 4904.9 | 4907.7 | 5088.5 | 5364.5 | 5531.4 | 5202.0 | 5194.7 | 5074.7 | 5371.4 | 5485.6 | 6055.0 |
| 62.5° | 4933.3 | 4984.3 | 5295.6 | 5770.5 | 6089.1 | 6062.7 | 6078.9 | 5781.1 | 5959.8 | 5940.3 | 6477.7 |
| 65° | 4607.0 | 4674.3 | 5237.6 | 5893.3 | 6643.5 | 7004.2 | 7019.2 | 6491.5 | 6423.8 | 6329.0 | 6628.9 |
| 67.5° | 3938.3 | 4038.0 | 4650.0 | 5626.3 | 6826.3 | 7700.0 | 7721.1 | 7042.3 | 6808.8 | 6460.7 | 6265.0 |
| 70° | 2866.0 | 2976.7 | 3592.7 | 4805.2 | 6500.4 | 7922.5 | 7946.4 | 7285.8 | 6823.4 | 6085.8 | 5348.3 |
| 72.5° | 1731.3 | 1818.0 | 2325.8 | 3537.5 | 5486.5 | 7517.2 | 7559.8 | 6977.0 | 6229.7 | 5154.9 | 3949.3 |
| 75° | 760.3 | 817.0 | 1124.6 | 2038.5 | 3927.8 | 6219.6 | 6272.7 | 5972.0 | 5061.7 | 3746.3 | 2334.3 |
| 77.5° | 323.8 | 340.0 | 461.2 | 885.5 | 2220.4 | 4250.0 | 4322.9 | 4363.5 | 3434.2 | 2038.5 | 986.4 |
| 80° | 201.8 | 208.3 | 261.0 | 400.8 | 1039.1 | 2387.0 | 2465.6 | 2567.3 | 1705.3 | 749.3 | 344.5 |
| 82.5° | 122.8 | 130.1 | 173.5 | 242.3 | 541.0 | 1082.1 | 1119.7 | 1191.5 | 661.8 | 323.8 | 178.3 |
| 85° | 73.8 | 79.0 | 106.2 | 153.2 | 308.0 | 425.5 | 425.1 | 470.1 | 311.6 | 208.3 | 94.0 |
| 87.5° | 35.3 | 39.3 | 56.7 | 79.4 | 155.2 | 159.7 | 149.5 | 169.4 | 189.3 | 136.6 | 47.4 |
| 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: P386685

CATALOG NUMBER: GWC-SA2B-760-U-T4W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 | 1206.5 |
| 2.5° | 1205.7 | 1204.0 | 1198.8 | 1194.7 | 1193.9 | 1191.5 | 1189.4 | 1190.7 | 1192.3 | 1192.7 | 1192.7 |
| 5° | 1205.3 | 1200.8 | 1193.9 | 1191.1 | 1194.7 | 1199.6 | 1205.7 | 1213.8 | 1218.6 | 1222.3 | 1224.7 |
| 7.5° | 1224.7 | 1216.2 | 1208.5 | 1206.9 | 1214.2 | 1227.1 | 1240.9 | 1257.9 | 1269.7 | 1277.8 | 1279.4 |
| 10° | 1257.1 | 1246.6 | 1238.9 | 1240.5 | 1253.5 | 1272.1 | 1291.6 | 1313.5 | 1331.3 | 1342.2 | 1343.0 |
| 12.5° | 1294.4 | 1284.3 | 1277.0 | 1283.9 | 1305.4 | 1328.0 | 1348.3 | 1367.4 | 1383.6 | 1394.5 | 1394.5 |
| 15° | 1337.4 | 1330.1 | 1321.6 | 1337.4 | 1366.5 | 1386.8 | 1395.3 | 1404.6 | 1413.6 | 1421.7 | 1420.0 |
| 17.5° | 1378.7 | 1371.8 | 1367.4 | 1386.0 | 1416.4 | 1425.7 | 1420.0 | 1413.2 | 1413.2 | 1417.6 | 1418.4 |
| 20° | 1414.4 | 1408.3 | 1411.1 | 1429.4 | 1445.2 | 1435.4 | 1414.4 | 1392.5 | 1383.6 | 1386.0 | 1388.4 |
| 22.5° | 1445.6 | 1442.7 | 1451.2 | 1459.8 | 1448.4 | 1414.4 | 1375.5 | 1345.9 | 1334.9 | 1334.1 | 1334.9 |
| 25° | 1482.0 | 1481.6 | 1492.2 | 1476.8 | 1426.5 | 1363.7 | 1311.4 | 1282.7 | 1276.6 | 1281.4 | 1289.5 |
| 27.5° | 1527.4 | 1531.9 | 1537.2 | 1480.8 | 1381.9 | 1287.1 | 1234.0 | 1214.2 | 1220.2 | 1232.0 | 1239.7 |
| 30° | 1585.4 | 1597.5 | 1586.2 | 1470.7 | 1317.9 | 1199.6 | 1148.9 | 1143.2 | 1159.9 | 1176.5 | 1184.6 |
| 32.5° | 1641.7 | 1660.8 | 1633.2 | 1444.4 | 1235.2 | 1106.8 | 1067.5 | 1065.8 | 1086.1 | 1102.3 | 1113.7 |
| 35° | 1687.1 | 1724.8 | 1668.5 | 1392.1 | 1139.6 | 1021.3 | 992.5 | 981.5 | 988.8 | 1007.9 | 1020.9 |
| 37.5° | 1746.3 | 1809.1 | 1692.8 | 1312.2 | 1035.9 | 950.7 | 917.1 | 892.0 | 885.5 | 893.2 | 899.7 |
| 40° | 1854.5 | 1937.6 | 1704.1 | 1200.8 | 934.5 | 880.2 | 846.2 | 809.3 | 783.8 | 765.1 | 765.5 |
| 42.5° | 2031.2 | 2104.9 | 1696.8 | 1065.4 | 840.9 | 811.3 | 772.8 | 730.3 | 688.9 | 646.8 | 643.6 |
| 45° | 2318.1 | 2353.8 | 1675.0 | 922.0 | 758.7 | 739.2 | 703.1 | 660.6 | 605.5 | 557.6 | 553.2 |
| 47.5° | 2777.3 | 2698.2 | 1640.9 | 796.7 | 686.1 | 678.0 | 644.8 | 595.7 | 537.4 | 498.9 | 495.6 |
| 50° | 3403.4 | 3195.5 | 1624.3 | 697.1 | 622.1 | 624.5 | 597.4 | 545.5 | 490.4 | 462.0 | 458.8 |
| 52.5° | 4152.3 | 3774.6 | 1656.3 | 620.1 | 570.6 | 579.1 | 558.9 | 510.2 | 464.0 | 441.7 | 438.5 |
| 55° | 4929.2 | 4374.4 | 1690.8 | 564.1 | 522.0 | 538.6 | 531.7 | 491.6 | 449.8 | 429.2 | 426.3 |
| 57.5° | 5594.3 | 4822.2 | 1621.9 | 518.7 | 478.6 | 504.6 | 510.6 | 479.8 | 442.5 | 423.9 | 420.7 |
| 60° | 6012.9 | 5002.6 | 1441.1 | 476.2 | 444.2 | 477.4 | 498.5 | 476.6 | 445.4 | 443.8 | 441.3 |
| 62.5° | 6211.5 | 4986.8 | 1170.0 | 442.5 | 422.7 | 465.6 | 507.4 | 494.8 | 477.8 | 492.4 | 493.6 |
| 65° | 6122.3 | 4748.5 | 871.3 | 420.3 | 407.3 | 470.1 | 534.1 | 529.3 | 487.1 | 501.7 | 503.7 |
| 67.5° | 5535.5 | 4179.9 | 645.2 | 400.8 | 390.3 | 482.7 | 582.8 | 540.6 | 468.9 | 479.4 | 472.9 |
| 70° | 4474.1 | 3313.8 | 497.7 | 378.9 | 372.8 | 481.0 | 604.7 | 533.7 | 449.0 | 451.5 | 434.0 |
| 72.5° | 3085.3 | 2259.7 | 404.9 | 358.7 | 347.7 | 438.5 | 589.3 | 516.7 | 432.4 | 413.8 | 390.7 |
| 75° | 1677.8 | 1213.0 | 344.1 | 337.6 | 303.5 | 385.0 | 560.9 | 504.6 | 417.4 | 392.7 | 379.7 |
| 77.5° | 660.2 | 503.3 | 298.7 | 308.8 | 265.4 | 340.0 | 529.3 | 481.5 | 396.8 | 364.3 | 357.8 |
| 80° | 269.5 | 256.9 | 247.6 | 267.1 | 228.2 | 297.5 | 491.2 | 454.3 | 372.0 | 338.0 | 325.0 |
| 82.5° | 152.8 | 159.7 | 192.5 | 210.7 | 185.2 | 274.0 | 472.9 | 432.4 | 342.4 | 302.7 | 287.3 |
| 85° | 78.2 | 93.6 | 134.1 | 151.2 | 136.2 | 233.0 | 435.7 | 378.5 | 274.8 | 231.8 | 233.0 |
| 87.5° | 37.7 | 52.3 | 84.7 | 94.8 | 88.3 | 168.6 | 325.4 | 274.4 | 214.0 | 169.4 | 164.1 |
| 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)