Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1364939

Luminaire Tested: **GSS-SB2A-727-U-SLL**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | P1364939 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 02/18/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB2A-727-U-SLL |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LEFT OPTIC |
| Light Source: | (52) 2700K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 7322 lumens |
| Efficiency: | N/A |
| Efficacy: | 126.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1' x L: 0.5' x H: 0') |
| IES Classification: | Type IV - Short |
| BUG Rating: | B1 - U0 - G2 |

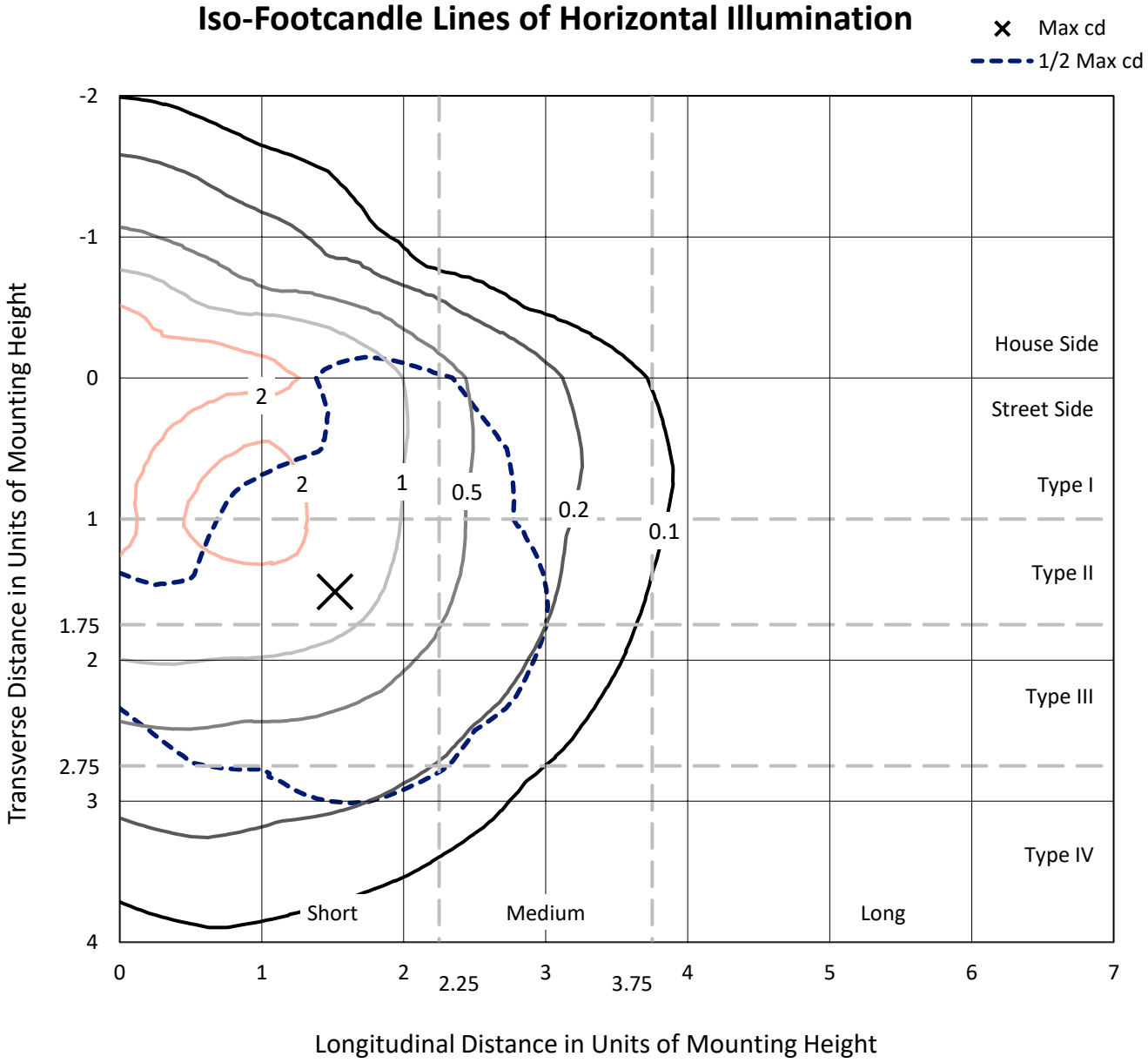
| | |
|---|---|
| Input Watts (W): | 58 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 9.0% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



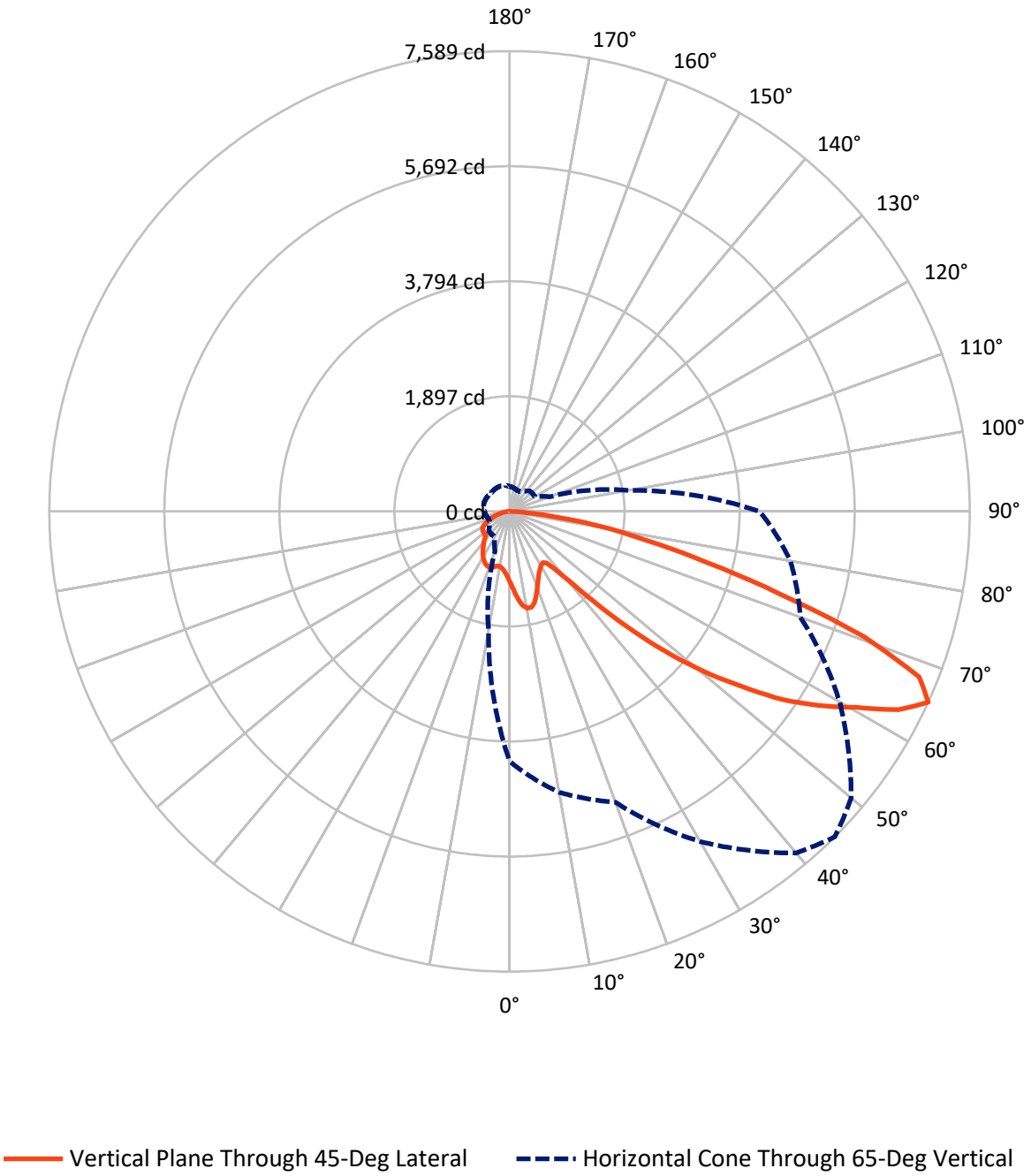

Based on 20 foot mounting height. Maximum calculated value = 3.9 fc
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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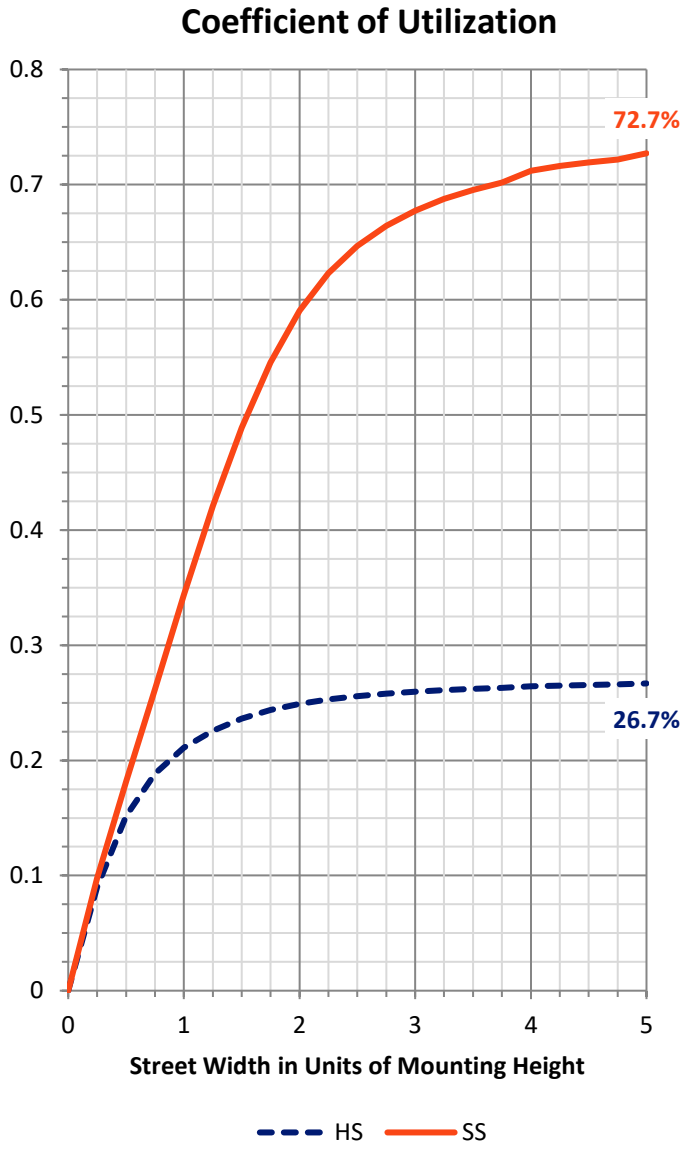
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CATALOG NUMBER: GSS-SB2A-727-U-SLL

**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 1969.8 | 0.0 | 1969.8 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 5352.2 | 0.0 | 5352.2 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 7322.0 | 0.0 | 7322.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 115.3 | 1.6 |
| 10°-20° | 353.3 | 4.8 |
| 20°-30° | 546.8 | 7.5 |
| 30°-40° | 678.4 | 9.3 |
| 40°-50° | 992.0 | 13.5 |
| 50°-60° | 1553.8 | 21.2 |
| 60°-70° | 1843.7 | 25.2 |
| 70°-80° | 1075.3 | 14.7 |
| 80°-90° | 163.6 | 2.2 |
| 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° | 7322.0 | 100.0 |
| 0°-180° | 7322.0 | 100.0 |



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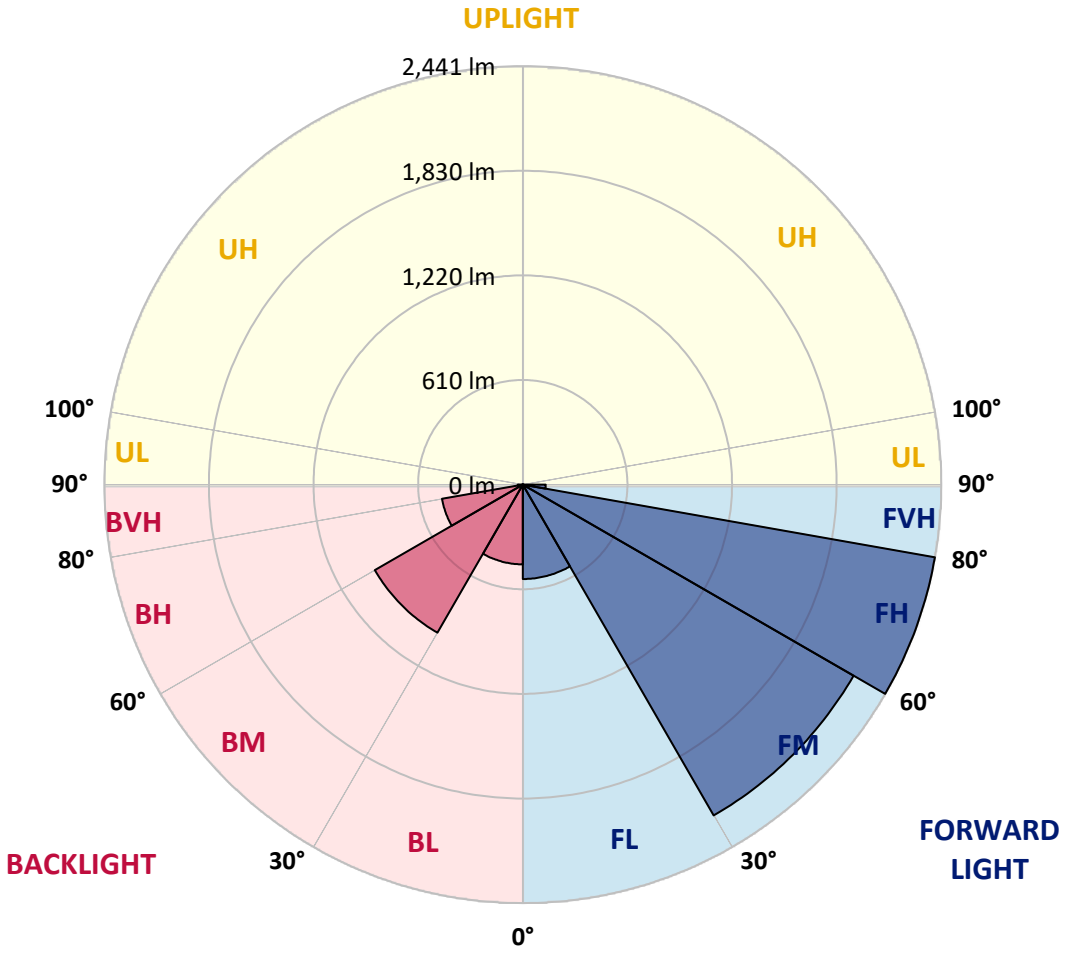
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## LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit B | U | G |
|---|---|---|---|---|---|---|
| FL | (0°-30°) | 550.3 | 7.5 | | | |
| FM | (30°-60°) | 2227.5 | 30.4 | | | |
| FH | (60°-80°) | 2440.6 | 33.3 | | | G2/5000 |
| FVH | (80°-90°) | 133.8 | 1.8 | | | G2/225 |
| BL | (0°-30°) | 465.0 | 6.4 | B1/500 | | |
| BM | (30°-60°) | 996.6 | 13.6 | B1/1000 | | |
| BH | (60°-80°) | 478.4 | 6.5 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 29.8 | 0.4 | | | G1/100 |
| 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° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | *1167.5* | 1167.5 |
| 2.5° | 1261.5 | 1266.0 | 1270.5 | 1275.3 | 1280.3 | 1283.2 | 1286.0 | 1289.1 | 1292.0 | *1294.6* | 1292.0 |
| 5° | 1347.5 | 1367.7 | 1387.8 | 1401.4 | 1415.0 | 1425.4 | 1435.7 | 1441.7 | 1447.7 | *1448.6* | 1447.7 |
| 7.5° | 1434.3 | 1458.3 | 1482.3 | 1503.1 | 1523.8 | 1537.1 | 1550.3 | 1558.0 | 1565.9 | *1568.6* | 1565.9 |
| 10° | 1488.9 | 1517.0 | 1545.3 | 1565.4 | 1585.6 | 1598.0 | 1610.2 | 1616.2 | 1622.3 | *1624.1* | 1622.3 |
| 12.5° | 1516.7 | 1543.7 | 1570.8 | 1586.3 | 1601.7 | 1609.6 | 1617.3 | 1620.2 | 1622.7 | *1620.5* | 1622.7 |
| 15° | 1530.1 | 1546.0 | 1561.8 | 1568.4 | 1574.9 | 1571.1 | 1567.2 | 1561.6 | 1556.1 | *1552.5* | 1556.1 |
| 17.5° | 1533.7 | 1539.2 | 1545.0 | 1533.0 | 1521.2 | 1499.7 | 1478.2 | 1462.1 | 1445.9 | *1434.3* | 1445.9 |
| 20° | 1545.3 | 1536.4 | 1527.4 | 1495.5 | 1463.9 | 1423.6 | 1383.3 | 1356.2 | 1329.0 | *1312.5* | 1329.0 |
| 22.5° | 1557.9 | 1532.6 | 1507.4 | 1453.8 | 1400.3 | 1345.1 | 1290.2 | 1259.0 | 1228.0 | *1210.5* | 1228.0 |
| 25° | 1577.6 | 1534.2 | 1490.7 | 1418.4 | 1346.2 | 1281.4 | 1216.7 | 1182.9 | 1149.2 | *1129.9* | 1149.2 |
| 27.5° | 1606.2 | 1540.0 | 1473.7 | 1384.2 | 1294.6 | 1224.4 | 1154.1 | 1121.8 | 1089.6 | *1072.6* | 1089.6 |
| 30° | 1646.5 | 1558.6 | 1470.5 | 1363.4 | 1256.1 | 1182.7 | 1109.3 | 1077.8 | 1046.1 | *1027.8* | 1046.1 |
| 32.5° | 1695.7 | 1584.7 | 1473.7 | 1353.7 | 1233.8 | 1158.9 | 1084.2 | 1054.0 | 1023.9 | *1008.1* | 1023.9 |
| 35° | 1779.0 | 1638.4 | 1497.9 | 1364.8 | 1232.0 | 1162.5 | 1093.2 | 1071.0 | 1049.0 | *1040.4* | 1049.0 |
| 37.5° | 1884.7 | 1720.5 | 1556.1 | 1419.1 | 1282.1 | 1234.8 | 1187.6 | 1187.6 | 1187.6 | *1194.4* | 1187.6 |
| 40° | 2040.4 | 1856.0 | 1671.6 | 1541.9 | 1412.5 | 1409.6 | 1407.1 | 1437.2 | 1467.4 | *1480.9* | 1467.4 |
| 42.5° | 2258.9 | 2063.9 | 1869.1 | 1764.5 | 1659.9 | 1722.6 | 1785.3 | 1872.3 | 1959.3 | *2016.3* | 1959.3 |
| 45° | 2530.2 | 2340.4 | 2150.6 | 2077.5 | 2004.6 | 2144.1 | 2283.4 | 2437.3 | 2591.1 | *2700.3* | 2591.1 |
| 47.5° | 2789.8 | 2630.1 | 2470.2 | 2428.5 | 2386.9 | 2618.8 | 2850.7 | 3076.2 | 3301.6 | *3434.5* | 3301.6 |
| 50° | 3090.7 | 2947.0 | 2803.3 | 2795.2 | 2787.1 | 3096.0 | 3404.9 | 3695.9 | 3986.9 | *4148.9* | 3986.9 |
| 52.5° | 3476.5 | 3318.8 | 3160.9 | 3167.3 | 3173.4 | 3540.3 | 3907.2 | 4259.1 | 4610.9 | *4793.6* | 4610.9 |
| 55° | 3937.6 | 3739.8 | 3541.9 | 3540.8 | 3539.8 | 3961.3 | 4383.1 | 4815.4 | 5248.0 | *5491.9* | 5248.0 |
| 57.5° | 4407.7 | 4222.3 | 4037.0 | 3993.0 | 3948.7 | 4389.6 | 4830.3 | 5307.7 | 5785.2 | *6041.6* | 5785.2 |
| 60° | 4760.4 | 4658.4 | 4556.3 | 4485.8 | 4415.4 | 4868.1 | 5320.9 | 5814.1 | 6307.0 | *6562.7* | 6307.0 |
| 62.5° | 4614.5 | 4797.0 | 4979.4 | 4974.2 | 4969.0 | 5457.7 | 5946.4 | 6459.2 | 6972.4 | *7202.0* | 6972.4 |
| 65° | *4122.1* | *4413.1* | *4704.0* | *4904.2* | *5104.2* | *5695.0* | *6285.5* | *6819.9* | *7354.2* | *7588.8* | *7354.2* |
| 67.5° | 3660.1 | 3916.5 | 4173.1 | 4336.9 | 4500.8 | 5166.4 | 5832.1 | 6438.5 | 7044.8 | *7286.1* | 7044.8 |
| 70° | 3217.8 | 3501.8 | 3785.8 | 3902.9 | 4020.0 | 4585.5 | 5150.8 | 5630.5 | 6110.0 | *6204.6* | 6110.0 |
| 72.5° | 2762.1 | 3099.8 | 3437.7 | 3487.3 | 3536.9 | 3948.4 | 4359.9 | 4615.4 | 4870.9 | *4664.6* | 4870.9 |
| 75° | 2261.6 | 2642.6 | 3023.5 | 3056.6 | 3089.8 | 3218.0 | 3346.4 | 3411.4 | 3476.5 | *3359.3* | 3476.5 |
| 77.5° | 1504.1 | 1834.0 | 2164.0 | 2238.3 | 2312.6 | 2398.0 | 2483.6 | 2479.2 | 2474.7 | *2309.9* | 2474.7 |
| 80° | 882.8 | 1140.8 | 1398.9 | 1408.5 | 1418.2 | 1482.3 | 1546.2 | 1611.6 | 1676.9 | *1572.2* | 1676.9 |
| 82.5° | 441.4 | 583.0 | 724.9 | 746.7 | 768.5 | 807.8 | 847.0 | 865.2 | 883.7 | *795.0* | 883.7 |
| 85° | 100.3 | 137.2 | 174.1 | 209.7 | 245.3 | 286.5 | 327.7 | 323.0 | 318.4 | *268.6* | 318.4 |
| 87.5° | 8.1 | 8.2 | 8.6 | 8.8 | 9.0 | 9.1 | 9.3 | 9.8 | 10.4 | *10.7* | 10.4 |
| 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):**

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 |
| 2.5° | 1289.1 | 1286.0 | 1283.2 | 1280.3 | 1275.3 | 1270.5 | 1266.0 | 1261.5 | 1250.1 | 1238.8 | 1228.4 |
| 5° | 1441.7 | 1435.7 | 1425.4 | 1415.0 | 1401.4 | 1387.8 | 1367.7 | 1347.5 | 1327.2 | 1307.2 | 1286.0 |
| 7.5° | 1558.0 | 1550.3 | 1537.1 | 1523.8 | 1503.1 | 1482.3 | 1458.3 | 1434.3 | 1400.3 | 1366.3 | 1334.2 |
| 10° | 1616.2 | 1610.2 | 1598.0 | 1585.6 | 1565.4 | 1545.3 | 1517.0 | 1488.9 | 1448.3 | 1407.4 | 1367.7 |
| 12.5° | 1620.2 | 1617.3 | 1609.6 | 1601.7 | 1586.3 | 1570.8 | 1543.7 | 1516.7 | 1476.2 | 1435.7 | 1391.2 |
| 15° | 1561.6 | 1567.2 | 1571.1 | 1574.9 | 1568.4 | 1561.8 | 1546.0 | 1530.1 | 1489.1 | 1448.3 | 1403.0 |
| 17.5° | 1462.1 | 1478.2 | 1499.7 | 1521.2 | 1533.0 | 1545.0 | 1539.2 | 1533.7 | 1495.4 | 1457.2 | 1408.9 |
| 20° | 1356.2 | 1383.3 | 1423.6 | 1463.9 | 1495.5 | 1527.4 | 1536.4 | 1545.3 | 1506.7 | 1468.0 | 1416.0 |
| 22.5° | 1259.0 | 1290.2 | 1345.1 | 1400.3 | 1453.8 | 1507.4 | 1532.6 | 1557.9 | 1522.4 | 1487.1 | 1430.0 |
| 25° | 1182.9 | 1216.7 | 1281.4 | 1346.2 | 1418.4 | 1490.7 | 1534.2 | 1577.6 | 1546.9 | 1516.3 | 1454.0 |
| 27.5° | 1121.8 | 1154.1 | 1224.4 | 1294.6 | 1384.2 | 1473.7 | 1540.0 | 1606.2 | 1582.8 | 1559.3 | 1489.1 |
| 30° | 1077.8 | 1109.3 | 1182.7 | 1256.1 | 1363.4 | 1470.5 | 1558.6 | 1646.5 | 1628.1 | 1609.8 | 1530.6 |
| 32.5° | 1054.0 | 1084.2 | 1158.9 | 1233.8 | 1353.7 | 1473.7 | 1584.7 | 1695.7 | 1684.3 | 1672.8 | 1579.5 |
| 35° | 1071.0 | 1093.2 | 1162.5 | 1232.0 | 1364.8 | 1497.9 | 1638.4 | 1779.0 | 1764.7 | 1750.4 | 1631.5 |
| 37.5° | 1187.6 | 1187.6 | 1234.8 | 1282.1 | 1419.1 | 1556.1 | 1720.5 | 1884.7 | 1867.6 | 1850.6 | 1694.8 |
| 40° | 1437.2 | 1407.1 | 1409.6 | 1412.5 | 1541.9 | 1671.6 | 1856.0 | 2040.4 | 2007.0 | 1973.3 | 1767.4 |
| 42.5° | 1872.3 | 1785.3 | 1722.6 | 1659.9 | 1764.5 | 1869.1 | 2063.9 | 2258.9 | 2188.0 | 2116.9 | 1847.6 |
| 45° | 2437.3 | 2283.4 | 2144.1 | 2004.6 | 2077.5 | 2150.6 | 2340.4 | 2530.2 | 2416.5 | 2302.8 | 1956.5 |
| 47.5° | 3076.2 | 2850.7 | 2618.8 | 2386.9 | 2428.5 | 2470.2 | 2630.1 | 2789.8 | 2645.9 | 2501.9 | 2068.4 |
| 50° | 3695.9 | 3404.9 | 3096.0 | 2787.1 | 2795.2 | 2803.3 | 2947.0 | 3090.7 | 2895.5 | 2700.3 | 2166.0 |
| 52.5° | 4259.1 | 3907.2 | 3540.3 | 3173.4 | 3167.3 | 3160.9 | 3318.8 | 3476.5 | 3166.6 | 2856.4 | 2212.2 |
| 55° | 4815.4 | 4383.1 | 3961.3 | 3539.8 | 3540.8 | 3541.9 | 3739.8 | 3937.6 | 3438.9 | 2940.2 | 2200.0 |
| 57.5° | 5307.7 | 4830.3 | 4389.6 | 3948.7 | 3993.0 | 4037.0 | 4222.3 | 4407.7 | 3667.6 | 2927.7 | 2133.6 |
| 60° | 5814.1 | 5320.9 | 4868.1 | 4415.4 | 4485.8 | 4556.3 | 4658.4 | 4760.4 | 3770.0 | 2779.4 | 1974.4 |
| 62.5° | 6459.2 | 5946.4 | 5457.7 | 4969.0 | 4974.2 | 4979.4 | 4797.0 | 4614.5 | 3542.8 | 2471.1 | 1713.5 |
| 65° | *6819.9* | *6285.5* | *5695.0* | *5104.2* | *4904.2* | *4704.0* | *4413.1* | *4122.1* | *3055.7* | *1989.4* | *1344.1* |
| 67.5° | 6438.5 | 5832.1 | 5166.4 | 4500.8 | 4336.9 | 4173.1 | 3916.5 | 3660.1 | 2624.4 | 1588.7 | 1045.9 |
| 70° | 5630.5 | 5150.8 | 4585.5 | 4020.0 | 3902.9 | 3785.8 | 3501.8 | 3217.8 | 2229.5 | 1241.3 | 801.5 |
| 72.5° | 4615.4 | 4359.9 | 3948.4 | 3536.9 | 3487.3 | 3437.7 | 3099.8 | 2762.1 | 1851.4 | 940.4 | 602.6 |
| 75° | 3411.4 | 3346.4 | 3218.0 | 3089.8 | 3056.6 | 3023.5 | 2642.6 | 2261.6 | 1478.2 | 694.8 | 446.6 |
| 77.5° | 2479.2 | 2483.6 | 2398.0 | 2312.6 | 2238.3 | 2164.0 | 1834.0 | 1504.1 | 969.8 | 435.5 | 288.7 |
| 80° | 1611.6 | 1546.2 | 1482.3 | 1418.2 | 1408.5 | 1398.9 | 1140.8 | 882.8 | 556.0 | 229.2 | 159.5 |
| 82.5° | 865.2 | 847.0 | 807.8 | 768.5 | 746.7 | 724.9 | 583.0 | 441.4 | 278.6 | 116.0 | 85.8 |
| 85° | 323.0 | 327.7 | 286.5 | 245.3 | 209.7 | 174.1 | 137.2 | 100.3 | 66.3 | 32.2 | 27.2 |
| 87.5° | 9.8 | 9.3 | 9.1 | 9.0 | 8.8 | 8.6 | 8.2 | 8.1 | 7.9 | 7.5 | 7.3 |
| 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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CATALOG NUMBER: GSS-SB2A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 |
| 2.5° | 1218.0 | 1207.6 | 1197.0 | 1187.0 | 1176.8 | 1166.6 | 1157.7 | 1148.0 | 1138.5 | 1131.0 | 1123.6 |
| 5° | 1265.1 | 1244.5 | 1223.9 | 1204.4 | 1185.1 | 1164.8 | 1147.4 | 1130.3 | 1113.4 | 1099.5 | 1085.5 |
| 7.5° | 1302.2 | 1273.5 | 1244.9 | 1219.3 | 1193.5 | 1166.6 | 1145.7 | 1124.7 | 1103.9 | 1085.8 | 1067.6 |
| 10° | 1327.8 | 1292.5 | 1257.0 | 1227.5 | 1197.9 | 1169.3 | 1146.9 | 1124.9 | 1103.0 | 1084.4 | 1065.8 |
| 12.5° | 1346.6 | 1307.0 | 1267.4 | 1234.8 | 1202.4 | 1171.1 | 1149.2 | 1131.0 | 1112.9 | 1099.8 | 1086.9 |
| 15° | 1357.7 | 1315.1 | 1272.3 | 1235.5 | 1198.8 | 1163.9 | 1144.6 | 1132.8 | 1120.9 | 1119.9 | 1118.8 |
| 17.5° | 1360.5 | 1311.8 | 1263.3 | 1220.5 | 1177.9 | 1137.1 | 1120.6 | 1119.0 | 1117.4 | 1135.1 | 1152.8 |
| 20° | 1364.1 | 1307.0 | 1249.9 | 1193.6 | 1137.4 | 1083.3 | 1073.0 | 1083.2 | 1093.2 | 1127.9 | 1162.5 |
| 22.5° | 1373.1 | 1303.2 | 1233.4 | 1162.8 | 1092.3 | 1027.8 | 1018.0 | 1033.0 | 1047.9 | 1093.2 | 1138.5 |
| 25° | 1391.7 | 1302.9 | 1214.1 | 1126.1 | 1038.2 | 964.3 | 963.4 | 979.7 | 996.0 | 1037.9 | 1079.8 |
| 27.5° | 1419.1 | 1306.3 | 1193.5 | 1088.5 | 983.4 | 907.9 | 912.3 | 927.9 | 943.7 | 974.8 | 1006.0 |
| 30° | 1451.3 | 1313.6 | 1176.1 | 1055.8 | 935.6 | 862.2 | 867.0 | 879.2 | 891.4 | 913.9 | 936.5 |
| 32.5° | 1486.2 | 1321.9 | 1157.7 | 1027.1 | 896.8 | 829.1 | 829.1 | 834.3 | 839.5 | 854.1 | 868.8 |
| 35° | 1512.7 | 1319.9 | 1127.2 | 994.5 | 861.7 | 809.4 | 798.3 | 794.0 | 789.7 | 799.3 | 809.0 |
| 37.5° | 1539.1 | 1314.3 | 1089.6 | 958.4 | 827.3 | 786.1 | 765.0 | 753.5 | 741.7 | 746.3 | 750.6 |
| 40° | 1561.4 | 1301.8 | 1042.2 | 915.2 | 788.2 | 755.7 | 729.2 | 712.0 | 694.8 | 694.4 | 693.9 |
| 42.5° | 1577.9 | 1280.1 | 982.2 | 863.8 | 745.3 | 722.5 | 689.8 | 667.9 | 646.1 | 643.7 | 641.4 |
| 45° | 1610.2 | 1265.3 | 920.4 | 811.5 | 702.8 | 682.2 | 649.6 | 627.1 | 604.9 | 601.3 | 597.7 |
| 47.5° | 1634.9 | 1247.9 | 860.9 | 759.6 | 658.6 | 634.8 | 604.3 | 585.2 | 565.8 | 563.7 | 561.4 |
| 50° | 1631.6 | 1218.4 | 804.9 | 713.4 | 621.7 | 589.1 | 559.0 | 543.3 | 527.3 | 530.0 | 532.7 |
| 52.5° | 1567.7 | 1157.8 | 748.1 | 671.9 | 595.9 | 554.2 | 522.0 | 510.2 | 498.2 | 506.6 | 514.8 |
| 55° | 1459.7 | 1077.6 | 695.1 | 637.1 | 578.7 | 537.2 | 499.2 | 486.0 | 472.7 | 484.5 | 496.4 |
| 57.5° | 1339.4 | 993.6 | 647.9 | 607.7 | 567.6 | 532.7 | 486.2 | 467.5 | 449.1 | 460.9 | 472.7 |
| 60° | 1169.3 | 887.4 | 605.6 | 577.5 | 549.4 | 522.0 | 475.4 | 452.1 | 428.9 | 436.7 | 444.4 |
| 62.5° | 955.8 | 752.8 | 549.7 | 534.0 | 518.4 | 506.8 | 462.3 | 431.9 | 401.5 | 402.5 | 403.3 |
| 65° | *698.7* | *591.6* | *484.4* | *481.0* | *477.7* | *474.5* | *437.8* | *405.0* | *372.5* | *368.9* | *365.3* |
| 67.5° | 503.2 | 452.3 | 401.5 | 411.0 | 420.4 | 425.3 | 400.2 | 371.4 | 342.4 | 335.0 | 327.7 |
| 70° | 361.7 | 343.8 | 325.9 | 340.0 | 354.2 | 352.8 | 340.6 | 323.4 | 306.2 | 301.5 | 296.9 |
| 72.5° | 264.7 | 264.3 | 264.1 | 274.9 | 285.6 | 271.3 | 279.0 | 275.0 | 271.3 | 267.9 | 264.7 |
| 75° | 198.4 | 197.2 | 196.1 | 208.8 | 221.7 | 227.4 | 232.4 | 230.3 | 228.3 | 225.8 | 223.5 |
| 77.5° | 141.8 | 142.9 | 143.6 | 157.6 | 171.5 | 188.0 | 188.9 | 184.3 | 179.4 | 176.9 | 174.1 |
| 80° | 89.9 | 91.0 | 91.7 | 106.4 | 120.9 | 144.1 | 143.3 | 137.5 | 131.6 | 129.6 | 127.5 |
| 82.5° | 55.5 | 55.7 | 55.9 | 63.0 | 70.2 | 83.3 | 86.8 | 86.8 | 86.8 | 85.6 | 84.2 |
| 85° | 22.4 | 23.5 | 24.7 | 29.4 | 34.0 | 41.2 | 43.3 | 43.7 | 43.9 | 41.9 | 39.8 |
| 87.5° | 7.2 | 7.5 | 8.1 | 9.0 | 9.8 | 10.7 | 12.5 | 13.6 | 14.7 | 15.8 | 16.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364939
CATALOG NUMBER: GSS-SB2A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 |
| 2.5° | 1117.2 | 1110.6 | 1102.9 | 1095.0 | 1089.4 | 1083.7 | 1079.9 | 1076.2 | 1074.4 | 1072.6 | 1071.2 |
| 5° | 1074.0 | 1062.2 | 1051.8 | 1041.3 | 1033.0 | 1024.6 | 1017.8 | 1010.8 | 1008.0 | 1004.9 | 1002.9 |
| 7.5° | 1052.2 | 1036.8 | 1023.9 | 1010.8 | 998.5 | 986.3 | 978.4 | 970.5 | 965.9 | 961.2 | 957.8 |
| 10° | 1049.5 | 1033.2 | 1016.2 | 999.2 | 985.6 | 972.0 | 960.1 | 948.7 | 942.1 | 935.6 | 932.0 |
| 12.5° | 1071.9 | 1056.8 | 1036.6 | 1016.2 | 997.7 | 979.5 | 965.0 | 950.5 | 942.2 | 934.4 | 929.0 |
| 15° | 1113.6 | 1108.4 | 1089.6 | 1070.8 | 1045.4 | 1019.8 | 999.0 | 978.1 | 966.6 | 954.8 | 948.1 |
| 17.5° | 1163.0 | 1173.2 | 1160.2 | 1146.9 | 1111.1 | 1075.3 | 1044.3 | 1013.5 | 996.7 | 979.8 | 973.9 |
| 20° | 1190.1 | 1217.6 | 1216.2 | 1215.0 | 1168.2 | 1121.3 | 1080.7 | 1040.0 | 1017.4 | 995.2 | 986.3 |
| 22.5° | 1178.2 | 1218.0 | 1228.2 | 1238.2 | 1192.4 | 1146.4 | 1096.2 | 1046.1 | 1019.6 | 992.9 | 984.5 |
| 25° | 1122.6 | 1165.4 | 1184.3 | 1203.3 | 1165.5 | 1127.7 | 1079.0 | 1030.5 | 1002.6 | 974.5 | 965.9 |
| 27.5° | 1040.4 | 1074.7 | 1096.1 | 1117.4 | 1094.3 | 1071.2 | 1031.8 | 992.4 | 967.7 | 942.8 | 933.6 |
| 30° | 959.8 | 983.1 | 1000.1 | 1017.1 | 1001.9 | 986.6 | 958.4 | 930.2 | 911.8 | 893.5 | 887.8 |
| 32.5° | 886.2 | 903.4 | 912.9 | 922.2 | 910.4 | 898.5 | 879.9 | 861.3 | 849.8 | 838.4 | 834.6 |
| 35° | 823.0 | 837.1 | 844.3 | 851.5 | 841.6 | 831.8 | 815.1 | 798.6 | 790.4 | 782.2 | 779.1 |
| 37.5° | 762.6 | 774.5 | 784.7 | 795.0 | 787.9 | 780.7 | 766.6 | 752.4 | 742.8 | 732.7 | 727.4 |
| 40° | 705.3 | 716.6 | 729.5 | 742.2 | 741.0 | 739.5 | 726.1 | 712.7 | 698.7 | 684.9 | 677.6 |
| 42.5° | 652.7 | 664.0 | 677.6 | 691.2 | 693.9 | 696.6 | 685.5 | 674.2 | 658.1 | 641.9 | 630.7 |
| 45° | 607.4 | 617.4 | 632.3 | 647.3 | 653.6 | 659.9 | 649.8 | 639.6 | 621.5 | 603.4 | 590.0 |
| 47.5° | 571.6 | 582.0 | 598.4 | 615.1 | 621.7 | 628.5 | 621.7 | 615.1 | 599.5 | 583.8 | 571.9 |
| 50° | 544.0 | 555.1 | 568.0 | 581.1 | 593.4 | 605.6 | 604.3 | 603.1 | 590.7 | 578.4 | 567.3 |
| 52.5° | 525.0 | 535.4 | 548.8 | 562.3 | 575.2 | 588.2 | 590.2 | 592.3 | 583.4 | 574.4 | 564.8 |
| 55° | 508.7 | 521.1 | 533.6 | 546.1 | 558.3 | 570.3 | 573.0 | 575.7 | 569.2 | 562.6 | 555.5 |
| 57.5° | 486.2 | 499.6 | 512.1 | 524.7 | 538.8 | 553.0 | 555.1 | 557.2 | 550.4 | 543.5 | 538.1 |
| 60° | 458.2 | 471.8 | 484.9 | 497.8 | 512.1 | 526.5 | 529.3 | 532.2 | 526.8 | 521.4 | 516.4 |
| 62.5° | 418.8 | 434.2 | 445.0 | 455.7 | 469.3 | 483.1 | 487.2 | 491.5 | 489.0 | 486.7 | 481.0 |
| 65° | *380.0* | *394.8* | *403.3* | *411.8* | *423.7* | *435.5* | *439.6* | *443.7* | *442.5* | *441.4* | *437.3* |
| 67.5° | 341.3 | 354.9 | 361.9 | 368.9 | 376.9 | 385.0 | 389.6 | 394.3 | 392.0 | 389.5 | 385.2 |
| 70° | 308.0 | 319.1 | 325.2 | 331.3 | 337.7 | 344.2 | 346.7 | 349.2 | 345.6 | 342.0 | 332.3 |
| 72.5° | 273.1 | 281.5 | 286.7 | 291.9 | 298.0 | 304.1 | 305.5 | 307.1 | 301.5 | 295.8 | 284.5 |
| 75° | 229.9 | 236.4 | 240.3 | 244.4 | 250.7 | 257.0 | 259.6 | 262.3 | 254.5 | 246.8 | 234.8 |
| 77.5° | 180.0 | 185.9 | 189.6 | 193.4 | 198.6 | 203.8 | 204.5 | 205.6 | 198.8 | 192.0 | 184.8 |
| 80° | 131.8 | 136.1 | 137.5 | 138.8 | 143.1 | 147.2 | 147.2 | 147.2 | 142.2 | 137.0 | 133.4 |
| 82.5° | 83.3 | 82.4 | 80.6 | 78.8 | 83.1 | 87.4 | 88.8 | 90.4 | 88.1 | 86.0 | 82.0 |
| 85° | 37.2 | 34.4 | 33.8 | 33.1 | 32.9 | 32.6 | 33.8 | 34.9 | 34.4 | 34.0 | 32.6 |
| 87.5° | 17.5 | 18.3 | 17.7 | 17.0 | 16.3 | 15.8 | 14.3 | 12.9 | 11.8 | 10.7 | 10.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1364939
CATALOG NUMBER: GSS-SB2A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 |
| 2.5° | 1069.9 | 1069.0 | 1069.9 | 1071.2 | 1072.6 | 1074.4 | 1076.2 | 1079.9 | 1083.7 | 1089.4 | 1095.0 |
| 5° | 1001.0 | 999.2 | 1001.0 | 1002.9 | 1004.9 | 1008.0 | 1010.8 | 1017.8 | 1024.6 | 1033.0 | 1041.3 |
| 7.5° | 954.4 | 952.6 | 954.4 | 957.8 | 961.2 | 965.9 | 970.5 | 978.4 | 986.3 | 998.5 | 1010.8 |
| 10° | 928.5 | 925.8 | 928.5 | 932.0 | 935.6 | 942.1 | 948.7 | 960.1 | 972.0 | 985.6 | 999.2 |
| 12.5° | 923.6 | 920.4 | 923.6 | 929.0 | 934.4 | 942.2 | 950.5 | 965.0 | 979.5 | 997.7 | 1016.2 |
| 15° | 941.5 | 936.5 | 941.5 | 948.1 | 954.8 | 966.6 | 978.1 | 999.0 | 1019.8 | 1045.4 | 1070.8 |
| 17.5° | 967.8 | 965.2 | 967.8 | 973.9 | 979.8 | 996.7 | 1013.5 | 1044.3 | 1075.3 | 1111.1 | 1146.9 |
| 20° | 977.3 | 974.1 | 977.3 | 986.3 | 995.2 | 1017.4 | 1040.0 | 1080.7 | 1121.3 | 1168.2 | 1215.0 |
| 22.5° | 975.9 | 972.3 | 975.9 | 984.5 | 992.9 | 1019.6 | 1046.1 | 1096.2 | 1146.4 | 1192.4 | 1238.2 |
| 25° | 957.1 | 954.4 | 957.1 | 965.9 | 974.5 | 1002.6 | 1030.5 | 1079.0 | 1127.7 | 1165.5 | 1203.3 |
| 27.5° | 924.3 | 918.6 | 924.3 | 933.6 | 942.8 | 967.7 | 992.4 | 1031.8 | 1071.2 | 1094.3 | 1117.4 |
| 30° | 881.9 | 879.2 | 881.9 | 887.8 | 893.5 | 911.8 | 930.2 | 958.4 | 986.6 | 1001.9 | 1017.1 |
| 32.5° | 830.9 | 829.1 | 830.9 | 834.6 | 838.4 | 849.8 | 861.3 | 879.9 | 898.5 | 910.4 | 922.2 |
| 35° | 776.2 | 773.6 | 776.2 | 779.1 | 782.2 | 790.4 | 798.6 | 815.1 | 831.8 | 841.6 | 851.5 |
| 37.5° | 722.0 | 718.0 | 722.0 | 727.4 | 732.7 | 742.8 | 752.4 | 766.6 | 780.7 | 787.9 | 795.0 |
| 40° | 670.1 | 666.1 | 670.1 | 677.6 | 684.9 | 698.7 | 712.7 | 726.1 | 739.5 | 741.0 | 742.2 |
| 42.5° | 619.6 | 612.4 | 619.6 | 630.7 | 641.9 | 658.1 | 674.2 | 685.5 | 696.6 | 693.9 | 691.2 |
| 45° | 576.6 | 567.6 | 576.6 | 590.0 | 603.4 | 621.5 | 639.6 | 649.8 | 659.9 | 653.6 | 647.3 |
| 47.5° | 560.1 | 551.5 | 560.1 | 571.9 | 583.8 | 599.5 | 615.1 | 621.7 | 628.5 | 621.7 | 615.1 |
| 50° | 556.0 | 547.9 | 556.0 | 567.3 | 578.4 | 590.7 | 603.1 | 604.3 | 605.6 | 593.4 | 581.1 |
| 52.5° | 555.1 | 547.9 | 555.1 | 564.8 | 574.4 | 583.4 | 592.3 | 590.2 | 588.2 | 575.2 | 562.3 |
| 55° | 548.3 | 542.6 | 548.3 | 555.5 | 562.6 | 569.2 | 575.7 | 573.0 | 570.3 | 558.3 | 546.1 |
| 57.5° | 532.7 | 530.0 | 532.7 | 538.1 | 543.5 | 550.4 | 557.2 | 555.1 | 553.0 | 538.8 | 524.7 |
| 60° | 511.2 | 506.8 | 511.2 | 516.4 | 521.4 | 526.8 | 532.2 | 529.3 | 526.5 | 512.1 | 497.8 |
| 62.5° | 475.4 | 469.1 | 475.4 | 481.0 | 486.7 | 489.0 | 491.5 | 487.2 | 483.1 | 469.3 | 455.7 |
| 65° | *433.3* | *426.2* | *433.3* | *437.3* | *441.4* | *442.5* | *443.7* | *439.6* | *435.5* | *423.7* | *411.8* |
| 67.5° | 381.0 | 379.6 | 381.0 | 385.2 | 389.5 | 392.0 | 394.3 | 389.6 | 385.0 | 376.9 | 368.9 |
| 70° | 322.7 | 311.6 | 322.7 | 332.3 | 342.0 | 345.6 | 349.2 | 346.7 | 344.2 | 337.7 | 331.3 |
| 72.5° | 273.1 | 261.4 | 273.1 | 284.5 | 295.8 | 301.5 | 307.1 | 305.5 | 304.1 | 298.0 | 291.9 |
| 75° | 222.9 | 214.9 | 222.9 | 234.8 | 246.8 | 254.5 | 262.3 | 259.6 | 257.0 | 250.7 | 244.4 |
| 77.5° | 177.6 | 173.7 | 177.6 | 184.8 | 192.0 | 198.8 | 205.6 | 204.5 | 203.8 | 198.6 | 193.4 |
| 80° | 129.8 | 127.1 | 129.8 | 133.4 | 137.0 | 142.2 | 147.2 | 147.2 | 147.2 | 143.1 | 138.8 |
| 82.5° | 77.9 | 75.2 | 77.9 | 82.0 | 86.0 | 88.1 | 90.4 | 88.8 | 87.4 | 83.1 | 78.8 |
| 85° | 31.3 | 30.4 | 31.3 | 32.6 | 34.0 | 34.4 | 34.9 | 33.8 | 32.6 | 32.9 | 33.1 |
| 87.5° | 9.3 | 9.0 | 9.3 | 10.0 | 10.7 | 11.8 | 12.9 | 14.3 | 15.8 | 16.3 | 17.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

REPORT NUMBER: P1364939
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**CANDELA DISTRIBUTION (continued):**

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 |
| 2.5° | 1102.9 | 1110.6 | 1117.2 | 1123.6 | 1131.0 | 1138.5 | 1148.0 | 1157.7 | 1166.6 | 1176.8 | 1187.0 |
| 5° | 1051.8 | 1062.2 | 1074.0 | 1085.5 | 1099.5 | 1113.4 | 1130.3 | 1147.4 | 1164.8 | 1185.1 | 1204.4 |
| 7.5° | 1023.9 | 1036.8 | 1052.2 | 1067.6 | 1085.8 | 1103.9 | 1124.7 | 1145.7 | 1166.6 | 1193.5 | 1219.3 |
| 10° | 1016.2 | 1033.2 | 1049.5 | 1065.8 | 1084.4 | 1103.0 | 1124.9 | 1146.9 | 1169.3 | 1197.9 | 1227.5 |
| 12.5° | 1036.6 | 1056.8 | 1071.9 | 1086.9 | 1099.8 | 1112.9 | 1131.0 | 1149.2 | 1171.1 | 1202.4 | 1234.8 |
| 15° | 1089.6 | 1108.4 | 1113.6 | 1118.8 | 1119.9 | 1120.9 | 1132.8 | 1144.6 | 1163.9 | 1198.8 | 1235.5 |
| 17.5° | 1160.2 | 1173.2 | 1163.0 | 1152.8 | 1135.1 | 1117.4 | 1119.0 | 1120.6 | 1137.1 | 1177.9 | 1220.5 |
| 20° | 1216.2 | 1217.6 | 1190.1 | 1162.5 | 1127.9 | 1093.2 | 1083.2 | 1073.0 | 1083.3 | 1137.4 | 1193.6 |
| 22.5° | 1228.2 | 1218.0 | 1178.2 | 1138.5 | 1093.2 | 1047.9 | 1033.0 | 1018.0 | 1027.8 | 1092.3 | 1162.8 |
| 25° | 1184.3 | 1165.4 | 1122.6 | 1079.8 | 1037.9 | 996.0 | 979.7 | 963.4 | 964.3 | 1038.2 | 1126.1 |
| 27.5° | 1096.1 | 1074.7 | 1040.4 | 1006.0 | 974.8 | 943.7 | 927.9 | 912.3 | 907.9 | 983.4 | 1088.5 |
| 30° | 1000.1 | 983.1 | 959.8 | 936.5 | 913.9 | 891.4 | 879.2 | 867.0 | 862.2 | 935.6 | 1055.8 |
| 32.5° | 912.9 | 903.4 | 886.2 | 868.8 | 854.1 | 839.5 | 834.3 | 829.1 | 829.1 | 896.8 | 1027.1 |
| 35° | 844.3 | 837.1 | 823.0 | 809.0 | 799.3 | 789.7 | 794.0 | 798.3 | 809.4 | 861.7 | 994.5 |
| 37.5° | 784.7 | 774.5 | 762.6 | 750.6 | 746.3 | 741.7 | 753.5 | 765.0 | 786.1 | 827.3 | 958.4 |
| 40° | 729.5 | 716.6 | 705.3 | 693.9 | 694.4 | 694.8 | 712.0 | 729.2 | 755.7 | 788.2 | 915.2 |
| 42.5° | 677.6 | 664.0 | 652.7 | 641.4 | 643.7 | 646.1 | 667.9 | 689.8 | 722.5 | 745.3 | 863.8 |
| 45° | 632.3 | 617.4 | 607.4 | 597.7 | 601.3 | 604.9 | 627.1 | 649.6 | 682.2 | 702.8 | 811.5 |
| 47.5° | 598.4 | 582.0 | 571.6 | 561.4 | 563.7 | 565.8 | 585.2 | 604.3 | 634.8 | 658.6 | 759.6 |
| 50° | 568.0 | 555.1 | 544.0 | 532.7 | 530.0 | 527.3 | 543.3 | 559.0 | 589.1 | 621.7 | 713.4 |
| 52.5° | 548.8 | 535.4 | 525.0 | 514.8 | 506.6 | 498.2 | 510.2 | 522.0 | 554.2 | 595.9 | 671.9 |
| 55° | 533.6 | 521.1 | 508.7 | 496.4 | 484.5 | 472.7 | 486.0 | 499.2 | 537.2 | 578.7 | 637.1 |
| 57.5° | 512.1 | 499.6 | 486.2 | 472.7 | 460.9 | 449.1 | 467.5 | 486.2 | 532.7 | 567.6 | 607.7 |
| 60° | 484.9 | 471.8 | 458.2 | 444.4 | 436.7 | 428.9 | 452.1 | 475.4 | 522.0 | 549.4 | 577.5 |
| 62.5° | 445.0 | 434.2 | 418.8 | 403.3 | 402.5 | 401.5 | 431.9 | 462.3 | 506.8 | 518.4 | 534.0 |
| 65° | *403.3* | *394.8* | *380.0* | *365.3* | *368.9* | *372.5* | *405.0* | *437.8* | *474.5* | *477.7* | *481.0* |
| 67.5° | 361.9 | 354.9 | 341.3 | 327.7 | 335.0 | 342.4 | 371.4 | 400.2 | 425.3 | 420.4 | 411.0 |
| 70° | 325.2 | 319.1 | 308.0 | 296.9 | 301.5 | 306.2 | 323.4 | 340.6 | 352.8 | 354.2 | 340.0 |
| 72.5° | 286.7 | 281.5 | 273.1 | 264.7 | 267.9 | 271.3 | 275.0 | 279.0 | 271.3 | 285.6 | 274.9 |
| 75° | 240.3 | 236.4 | 229.9 | 223.5 | 225.8 | 228.3 | 230.3 | 232.4 | 227.4 | 221.7 | 208.8 |
| 77.5° | 189.6 | 185.9 | 180.0 | 174.1 | 176.9 | 179.4 | 184.3 | 188.9 | 188.0 | 171.5 | 157.6 |
| 80° | 137.5 | 136.1 | 131.8 | 127.5 | 129.6 | 131.6 | 137.5 | 143.3 | 144.1 | 120.9 | 106.4 |
| 82.5° | 80.6 | 82.4 | 83.3 | 84.2 | 85.6 | 86.8 | 86.8 | 86.8 | 83.3 | 70.2 | 63.0 |
| 85° | 33.8 | 34.4 | 37.2 | 39.8 | 41.9 | 43.9 | 43.7 | 43.3 | 41.2 | 34.0 | 29.4 |
| 87.5° | 17.7 | 18.3 | 17.5 | 16.5 | 15.8 | 14.7 | 13.6 | 12.5 | 10.7 | 9.8 | 9.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1364939
CATALOG NUMBER: GSS-SB2A-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---|---|---|---|---|---|---|---|
| 0° | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 | 1167.5 |
| 2.5° | 1197.0 | 1207.6 | 1218.0 | 1228.4 | 1238.8 | 1250.1 | 1261.5 |
| 5° | 1223.9 | 1244.5 | 1265.1 | 1286.0 | 1307.2 | 1327.2 | 1347.5 |
| 7.5° | 1244.9 | 1273.5 | 1302.2 | 1334.2 | 1366.3 | 1400.3 | 1434.3 |
| 10° | 1257.0 | 1292.5 | 1327.8 | 1367.7 | 1407.4 | 1448.3 | 1488.9 |
| 12.5° | 1267.4 | 1307.0 | 1346.6 | 1391.2 | 1435.7 | 1476.2 | 1516.7 |
| 15° | 1272.3 | 1315.1 | 1357.7 | 1403.0 | 1448.3 | 1489.1 | 1530.1 |
| 17.5° | 1263.3 | 1311.8 | 1360.5 | 1408.9 | 1457.2 | 1495.4 | 1533.7 |
| 20° | 1249.9 | 1307.0 | 1364.1 | 1416.0 | 1468.0 | 1506.7 | 1545.3 |
| 22.5° | 1233.4 | 1303.2 | 1373.1 | 1430.0 | 1487.1 | 1522.4 | 1557.9 |
| 25° | 1214.1 | 1302.9 | 1391.7 | 1454.0 | 1516.3 | 1546.9 | 1577.6 |
| 27.5° | 1193.5 | 1306.3 | 1419.1 | 1489.1 | 1559.3 | 1582.8 | 1606.2 |
| 30° | 1176.1 | 1313.6 | 1451.3 | 1530.6 | 1609.8 | 1628.1 | 1646.5 |
| 32.5° | 1157.7 | 1321.9 | 1486.2 | 1579.5 | 1672.8 | 1684.3 | 1695.7 |
| 35° | 1127.2 | 1319.9 | 1512.7 | 1631.5 | 1750.4 | 1764.7 | 1779.0 |
| 37.5° | 1089.6 | 1314.3 | 1539.1 | 1694.8 | 1850.6 | 1867.6 | 1884.7 |
| 40° | 1042.2 | 1301.8 | 1561.4 | 1767.4 | 1973.3 | 2007.0 | 2040.4 |
| 42.5° | 982.2 | 1280.1 | 1577.9 | 1847.6 | 2116.9 | 2188.0 | 2258.9 |
| 45° | 920.4 | 1265.3 | 1610.2 | 1956.5 | 2302.8 | 2416.5 | 2530.2 |
| 47.5° | 860.9 | 1247.9 | 1634.9 | 2068.4 | 2501.9 | 2645.9 | 2789.8 |
| 50° | 804.9 | 1218.4 | 1631.6 | 2166.0 | 2700.3 | 2895.5 | 3090.7 |
| 52.5° | 748.1 | 1157.8 | 1567.7 | 2212.2 | 2856.4 | 3166.6 | 3476.5 |
| 55° | 695.1 | 1077.6 | 1459.7 | 2200.0 | 2940.2 | 3438.9 | 3937.6 |
| 57.5° | 647.9 | 993.6 | 1339.4 | 2133.6 | 2927.7 | 3667.6 | 4407.7 |
| 60° | 605.6 | 887.4 | 1169.3 | 1974.4 | 2779.4 | 3770.0 | 4760.4 |
| 62.5° | 549.7 | 752.8 | 955.8 | 1713.5 | 2471.1 | 3542.8 | 4614.5 |
| 65° | *484.4* | *591.6* | *698.7* | *1344.1* | *1989.4* | *3055.7* | *4122.1* |
| 67.5° | 401.5 | 452.3 | 503.2 | 1045.9 | 1588.7 | 2624.4 | 3660.1 |
| 70° | 325.9 | 343.8 | 361.7 | 801.5 | 1241.3 | 2229.5 | 3217.8 |
| 72.5° | 264.1 | 264.3 | 264.7 | 602.6 | 940.4 | 1851.4 | 2762.1 |
| 75° | 196.1 | 197.2 | 198.4 | 446.6 | 694.8 | 1478.2 | 2261.6 |
| 77.5° | 143.6 | 142.9 | 141.8 | 288.7 | 435.5 | 969.8 | 1504.1 |
| 80° | 91.7 | 91.0 | 89.9 | 159.5 | 229.2 | 556.0 | 882.8 |
| 82.5° | 55.9 | 55.7 | 55.5 | 85.8 | 116.0 | 278.6 | 441.4 |
| 85° | 24.7 | 23.5 | 22.4 | 27.2 | 32.2 | 66.3 | 100.3 |
| 87.5° | 8.1 | 7.5 | 7.2 | 7.3 | 7.5 | 7.9 | 8.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

# LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

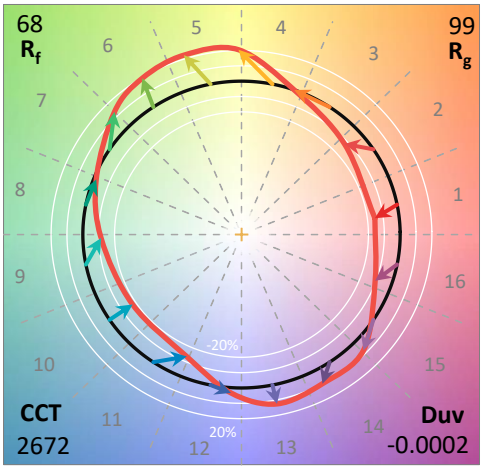
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-3 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 - 76IN SPHERE |
| Measurement Geometry: | 4π |
| Issue Date: | 10/15/2024 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGraw-Edison |
| Catalog Number: | **GSS-SB1A-727-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 2672 |
| CIE u': | 0.2638 |
| CIE v': | 0.5276 |
| Duv: | -0.0002 |
| CIE x: | 0.4619 |
| CIE y: | 0.4106 |
| CIE z: | 0.1275 |
| Peak Wavelength (nm): | 601 |
| Dominant Wavelength (nm): | 584 |
| Purity: | 61.88407 |
| Rf: | 67.9 |
| Rg: | 98.6 |

| | |
|---|---|
| CRI (Ra): | 71.1 |
| R1: | 68.3 |
| R2: | 79.8 |
| R3: | 91.2 |
| R4: | 69.4 |
| R5: | 66.5 |
| R6: | 72.6 |
| R7: | 77.0 |
| R8: | 44.1 |
| R9: | -27.8 |
| R10: | 54.4 |
| R11: | 65.8 |
| R12: | 45.6 |
| R13: | 69.8 |
| R14: | 94.5 |
| R15: | 60.1 |



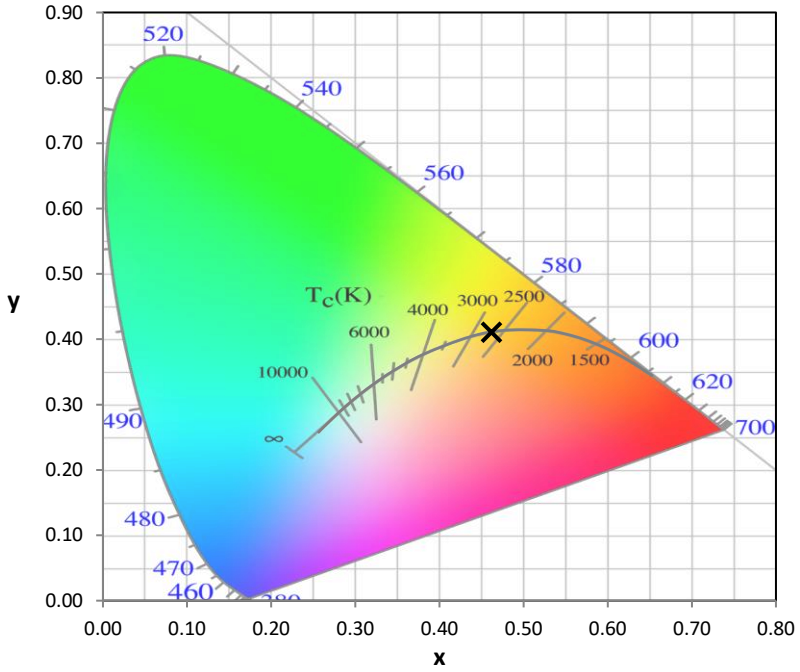

## Test Conditions

| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

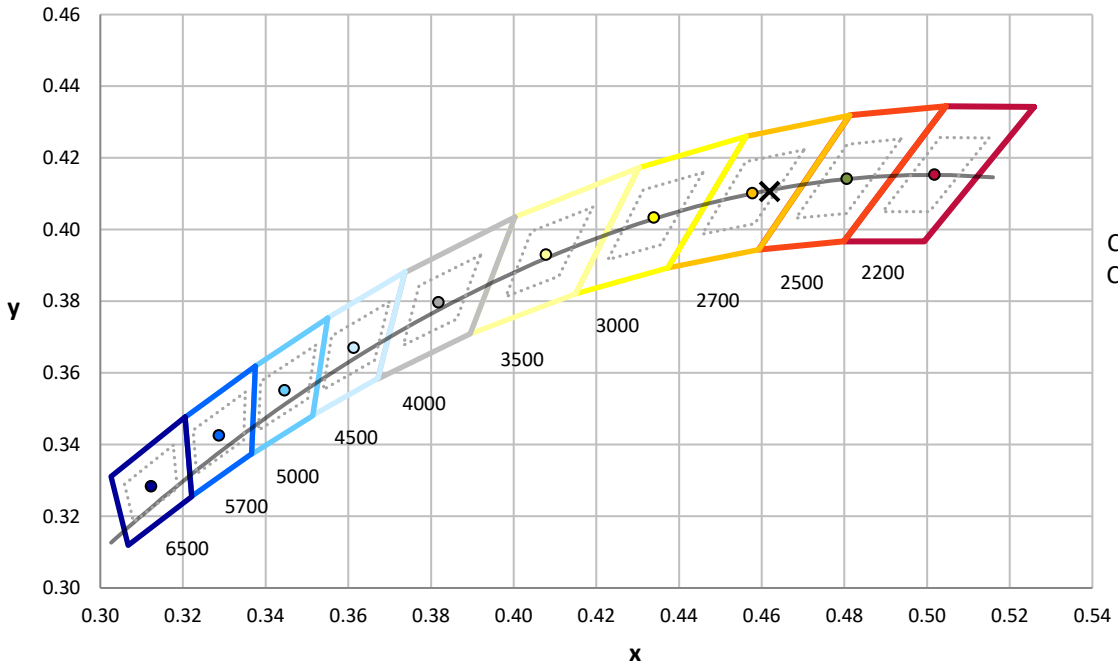
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC Power Source | IN0208 | 10/24/2023 | 10/24/2024 |
| Sphere Thermometer | IN0085 | 10/24/2023 | 10/24/2024 |
| Room Thermometer | IN0046 | 10/24/2023 | 10/24/2024 |

REPORT NUMBER: SP1-2407-184-3

## CIE 1931 Chromaticity Diagram




## CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

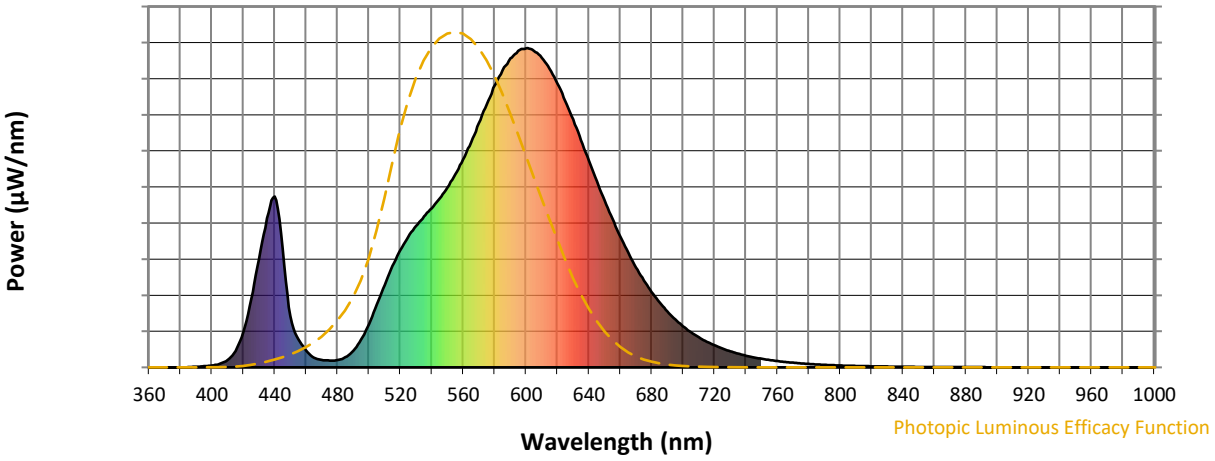



CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

## Photopic Flux vs. Wavelength

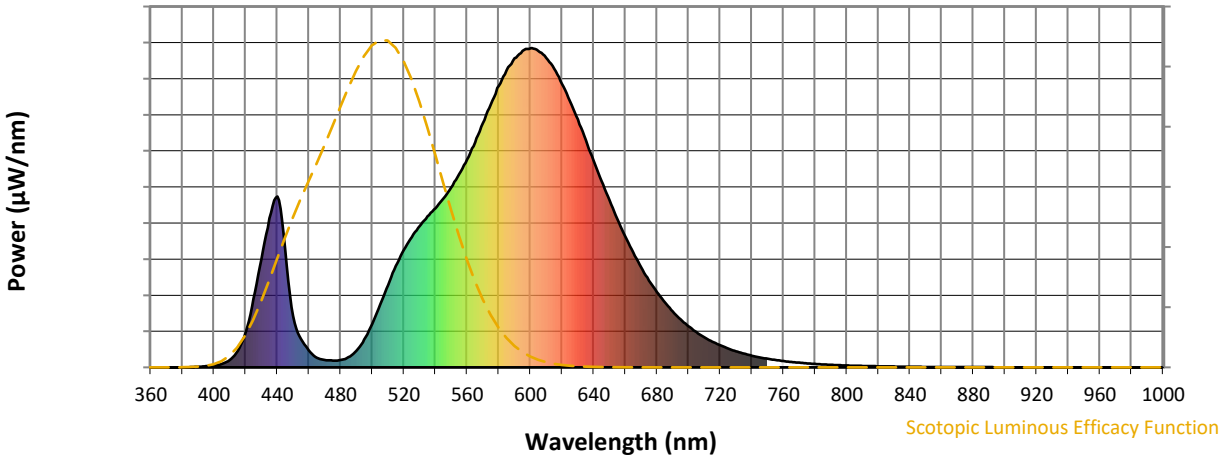



## Photopic Lumens: NR

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Scotopic Flux vs. Wavelength

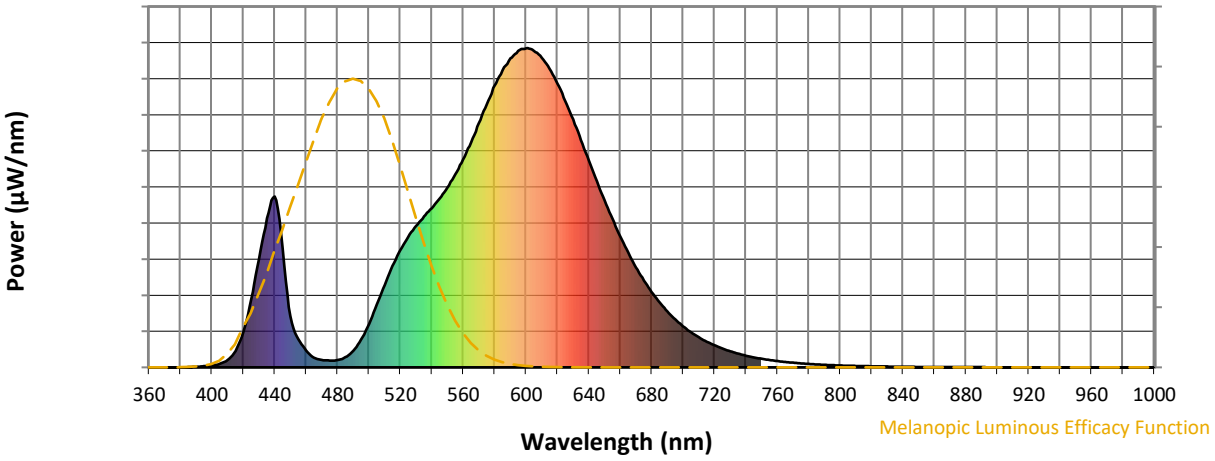



**Scotopic Lumens: NR** **S/P: 1.02**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-3

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 1.71**

| λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) | λ (nm) | Power W^/nm | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 0 | NR | 490 | 52 | NR | 620 | 888 | NR | 750 | 27 | NR | 880 | 1 | NR |
| 365 | 0 | NR | 495 | 87 | NR | 625 | 834 | NR | 755 | 23 | NR | 885 | 1 | NR |
| 370 | 0 | NR | 500 | 135 | NR | 630 | 776 | NR | 760 | 20 | NR | 890 | 1 | NR |
| 375 | 0 | NR | 505 | 196 | NR | 635 | 712 | NR | 765 | 17 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 258 | NR | 640 | 648 | NR | 770 | 15 | NR | 900 | 0 | NR |
| 385 | 1 | NR | 515 | 317 | NR | 645 | 583 | NR | 775 | 12 | NR | 905 | 0 | NR |
| 390 | 2 | NR | 520 | 368 | NR | 650 | 523 | NR | 780 | 11 | NR | 910 | 0 | NR |
| 395 | 4 | NR | 525 | 408 | NR | 655 | 465 | NR | 785 | 9 | NR | 915 | 0 | NR |
| 400 | 6 | NR | 530 | 443 | NR | 660 | 410 | NR | 790 | 8 | NR | 920 | 0 | NR |
| 405 | 11 | NR | 535 | 473 | NR | 665 | 360 | NR | 795 | 7 | NR | 925 | 0 | NR |
| 410 | 23 | NR | 540 | 498 | NR | 670 | 313 | NR | 800 | 6 | NR | 930 | 0 | NR |
| 415 | 51 | NR | 545 | 530 | NR | 675 | 272 | NR | 805 | 5 | NR | 935 | 0 | NR |
| 420 | 111 | NR | 550 | 563 | NR | 680 | 236 | NR | 810 | 4 | NR | 940 | 0 | NR |
| 425 | 214 | NR | 555 | 605 | NR | 685 | 203 | NR | 815 | 4 | NR | 945 | 0 | NR |
| 430 | 339 | NR | 560 | 651 | NR | 690 | 175 | NR | 820 | 3 | NR | 950 | 0 | NR |
| 435 | 467 | NR | 565 | 705 | NR | 695 | 150 | NR | 825 | 3 | NR | 955 | 0 | NR |
| 440 | 535 | NR | 570 | 765 | NR | 700 | 128 | NR | 830 | 3 | NR | 960 | 0 | NR |
| 445 | 372 | NR | 575 | 824 | NR | 705 | 110 | NR | 835 | 2 | NR | 965 | 0 | NR |
| 450 | 160 | NR | 580 | 882 | NR | 710 | 94 | NR | 840 | 2 | NR | 970 | 0 | NR |
| 455 | 89 | NR | 585 | 930 | NR | 715 | 80 | NR | 845 | 2 | NR | 975 | 0 | NR |
| 460 | 53 | NR | 590 | 968 | NR | 720 | 69 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 31 | NR | 595 | 991 | NR | 725 | 59 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 23 | NR | 600 | 999 | NR | 730 | 50 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 21 | NR | 605 | 992 | NR | 735 | 43 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 23 | NR | 610 | 969 | NR | 740 | 36 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 32 | NR | 615 | 935 | NR | 745 | 31 | NR | 875 | 1 | NR | | | |

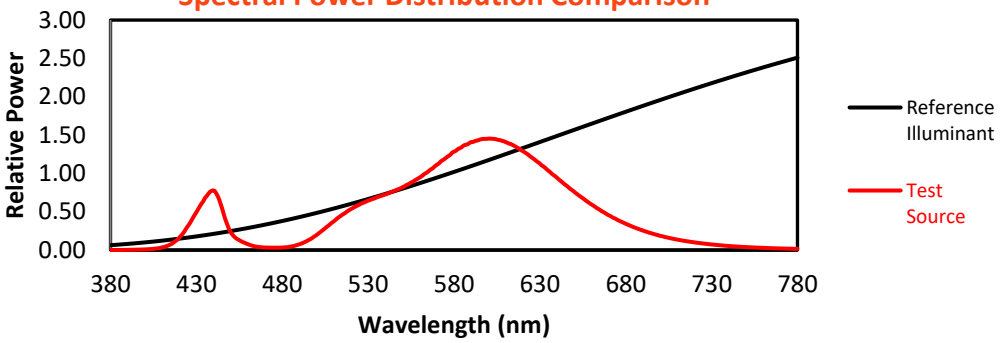
REPORT NUMBER: SP1-2407-184-3

# TM-30-18

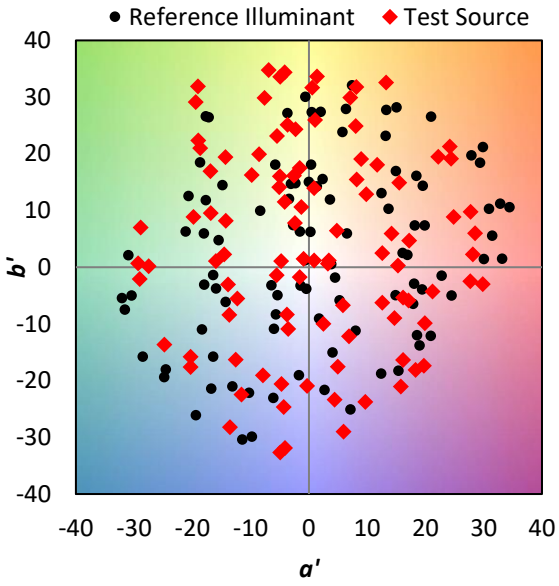
## Summary

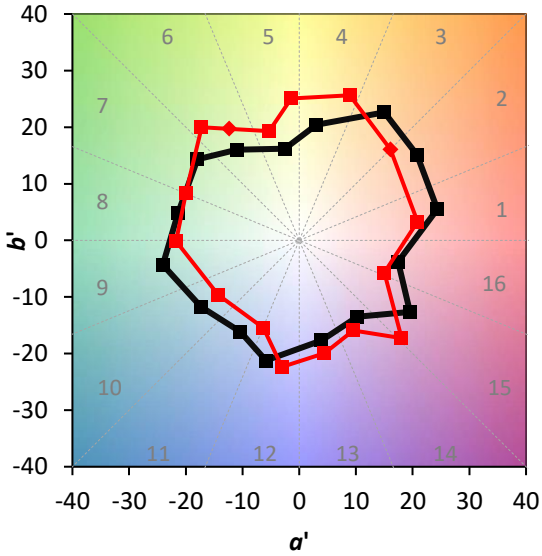
$R_f$ = 67.9
$R_g$ = 98.6
CIE $R_a$ = 71.1
$R_9$ = -27.8

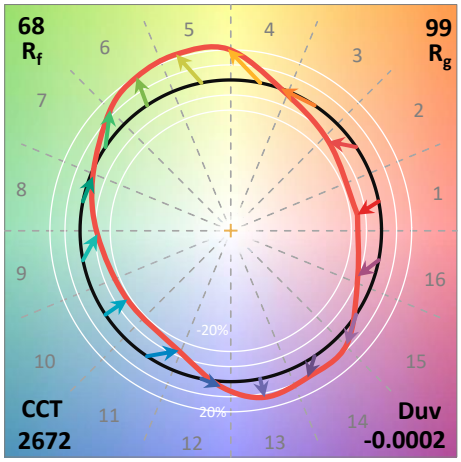
## Spectral Power Distribution Comparison

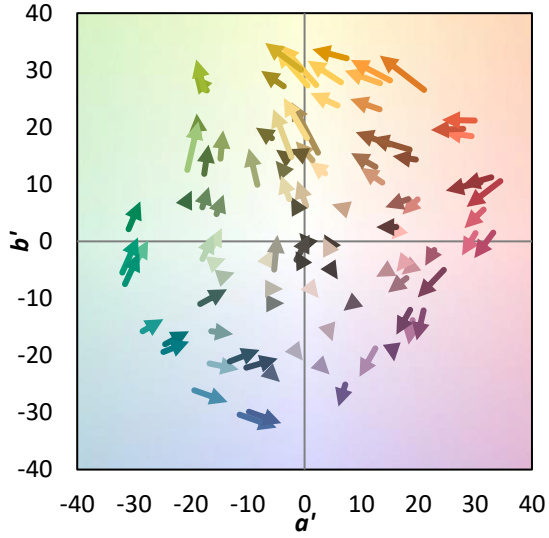



## Color Vector Graphics



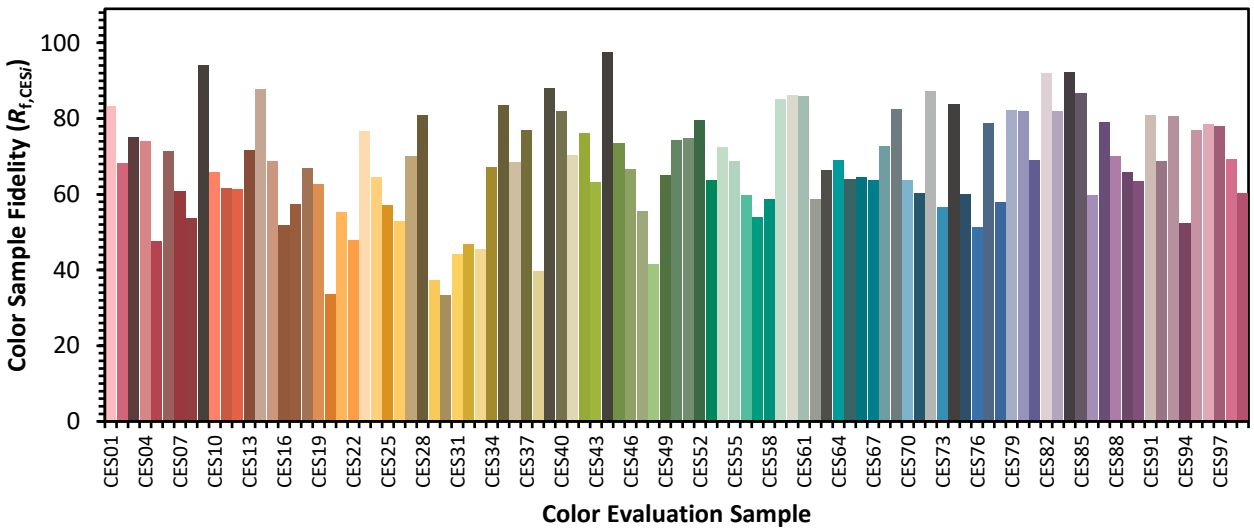



REPORT NUMBER: SP1-2407-184-3

# TM-30-18

**Individual Sample Fidelity Index ($R_{f,i}$)**

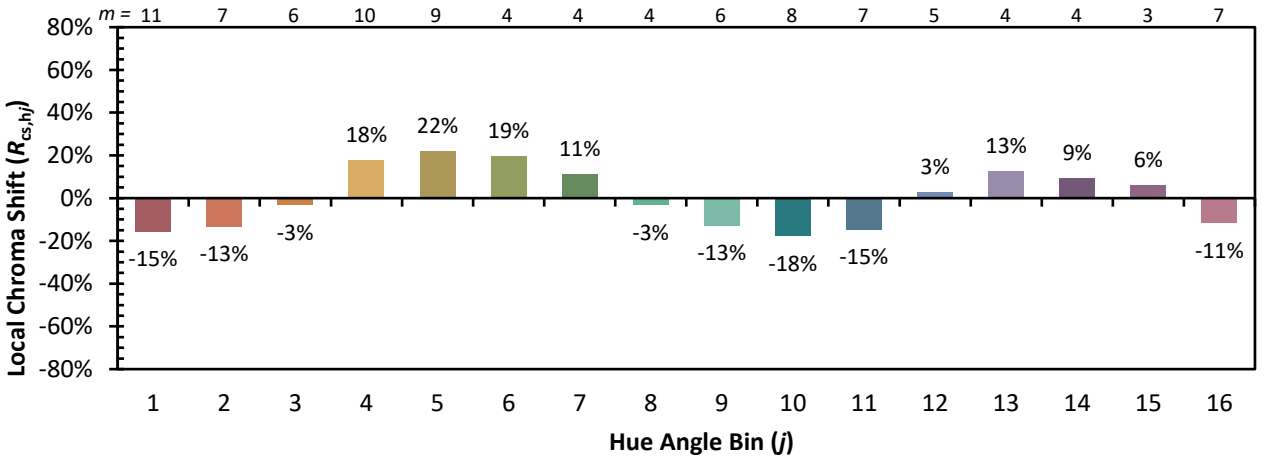
| | | | |
|---|---|---|---|
| CES01 = 86 | CES26 = 53 | CES51 = 75 | CES76 = 51 |
| CES02 = 63 | CES27 = 70 | CES52 = 80 | CES77 = 79 |
| CES03 = 31 | CES28 = 81 | CES53 = 64 | CES78 = 58 |
| CES04 = 71 | CES29 = 37 | CES54 = 73 | CES79 = 82 |
| CES05 = 50 | CES30 = 33 | CES55 = 69 | CES80 = 82 |
| CES06 = 52 | CES31 = 44 | CES56 = 60 | CES81 = 69 |
| CES07 = 42 | CES32 = 47 | CES57 = 54 | CES82 = 92 |
| CES08 = 41 | CES33 = 45 | CES58 = 59 | CES83 = 82 |
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| CES11 = 60 | CES36 = 68 | CES61 = 86 | CES86 = 60 |
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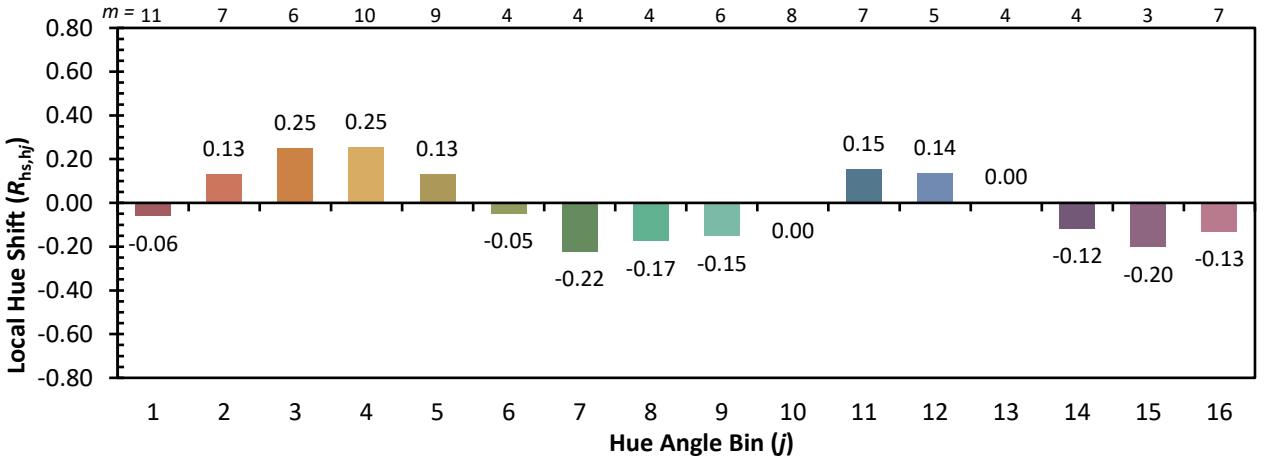


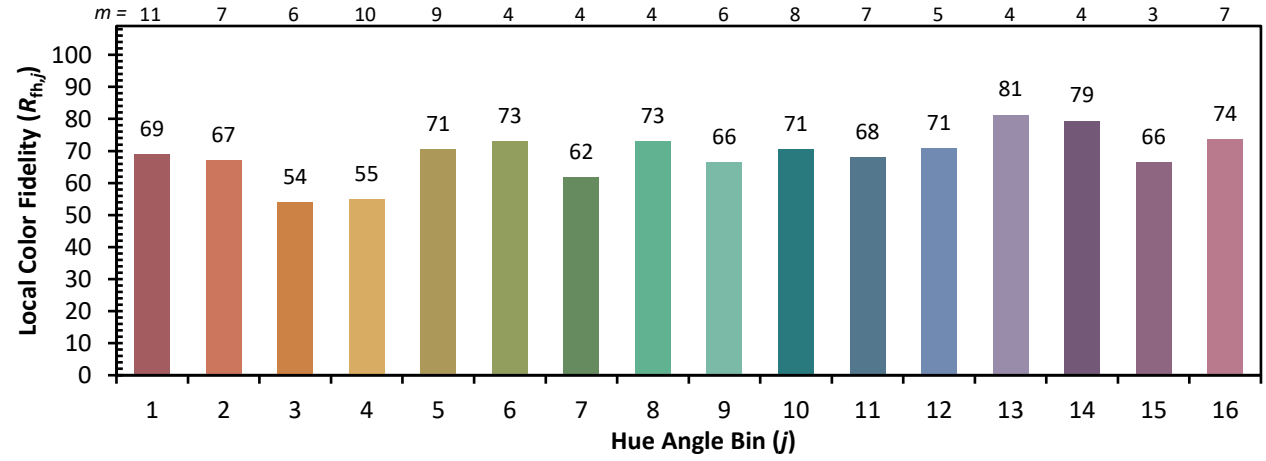
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## Color Rendition by Hue-Angle Bin



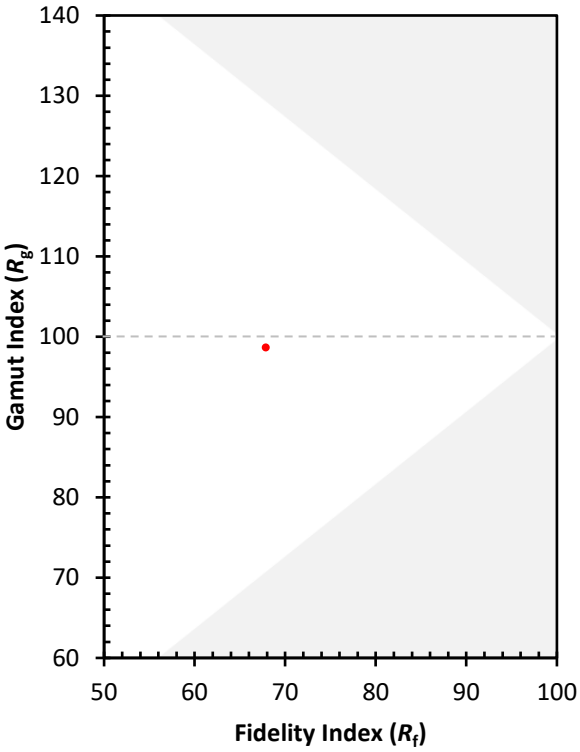



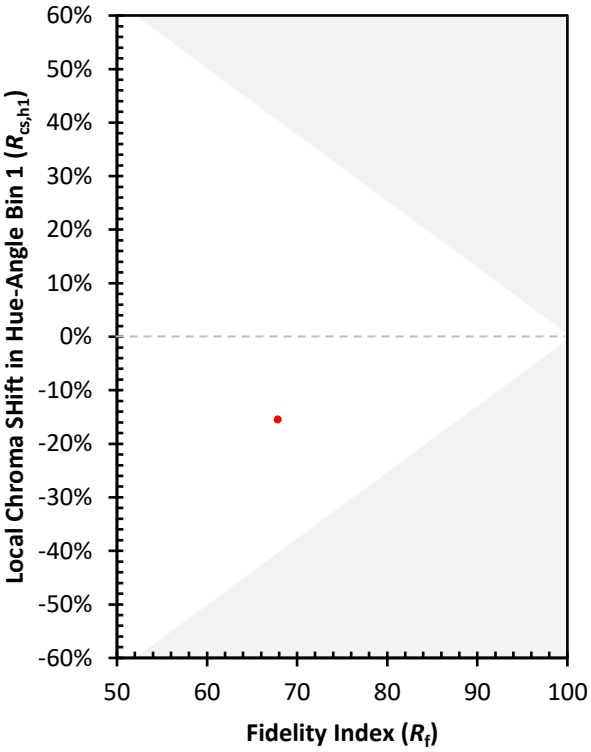



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### Measure Comparisons




(END OF REPORT)