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

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1501727

Luminaire Tested: GSS-SB5C-740-U-T2LG-HSS

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501727 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5C-740-U-T2LG-HSS |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD |
| Light Source: | (130) 4000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 31018.5 lumens |
| Efficiency: | N/A |
| Efficacy: | 123.1 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B3 - U0 - G3 |

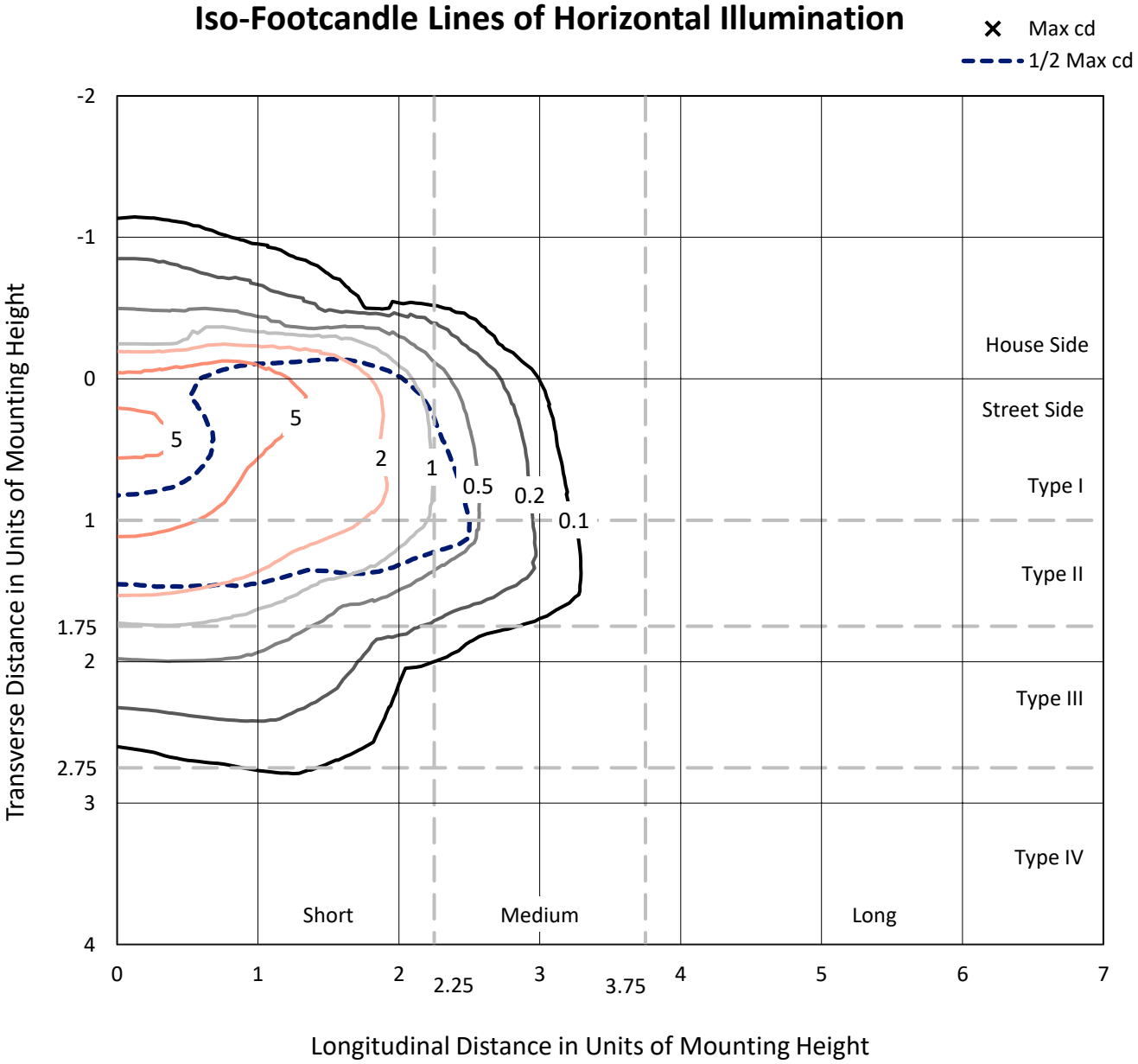
| | |
|---|---|
| Input Watts (W): | 252 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 7.9% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



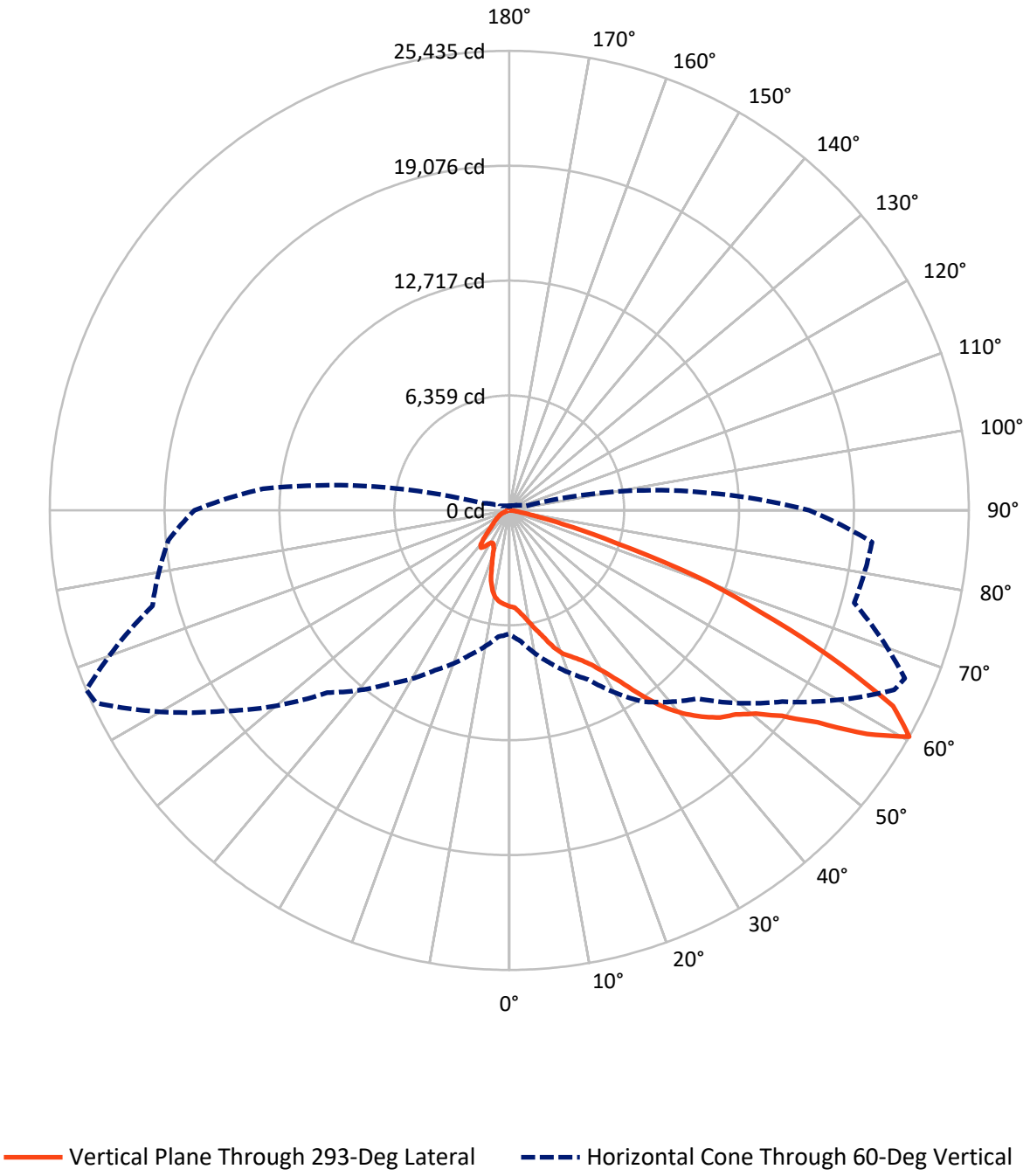

Based on 30 foot mounting height. Maximum calculated value = 9.8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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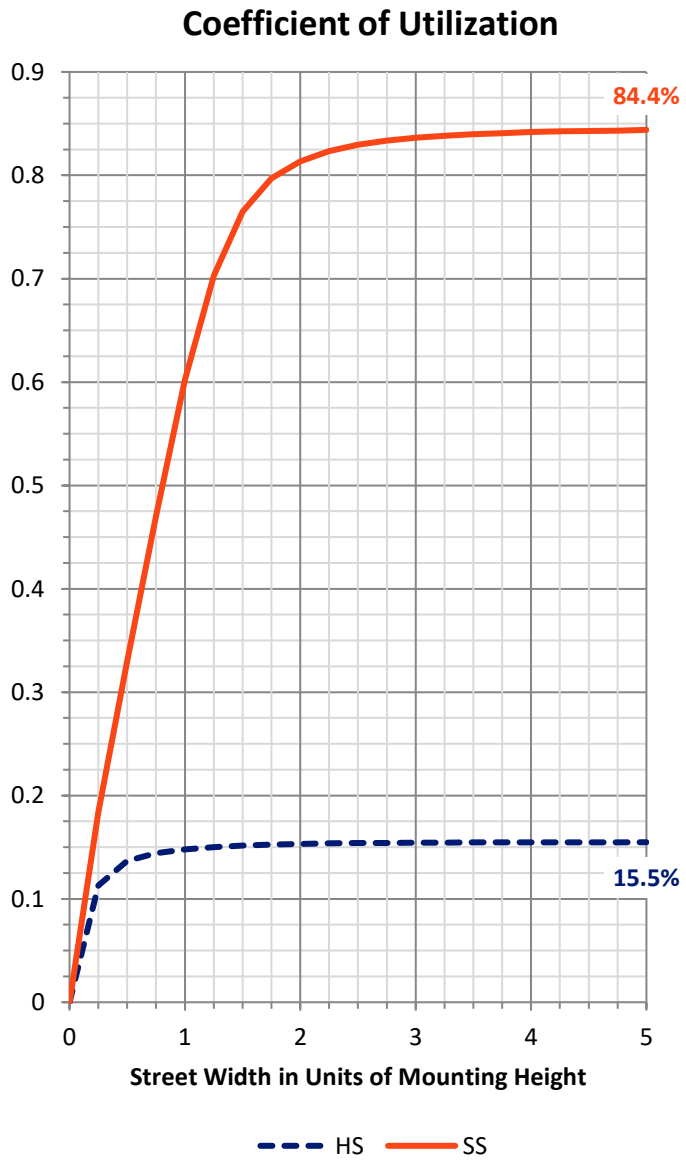
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4839.6 | 0.0 | 4839.6 |
| | % Fixture | 15.6 | 0.0 | 15.6 |
| **Street Side** | Lumens | 26178.9 | 0.0 | 26178.9 |
| | % Fixture | 84.4 | 0.0 | 84.4 |
| **Total** | Lumens | 31018.5 | 0.0 | 31018.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 481.3 | 1.6 |
| 10°-20° | 1212.4 | 3.9 |
| 20°-30° | 2263.3 | 7.3 |
| 30°-40° | 4488.3 | 14.5 |
| 40°-50° | 7155.9 | 23.1 |
| 50°-60° | 8549.6 | 27.6 |
| 60°-70° | 5604.7 | 18.1 |
| 70°-80° | 1174.2 | 3.8 |
| 80°-90° | 88.8 | 0.3 |
| 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° | 31018.5 | 100.0 |
| 0°-180° | 31018.5 | 100.0 |



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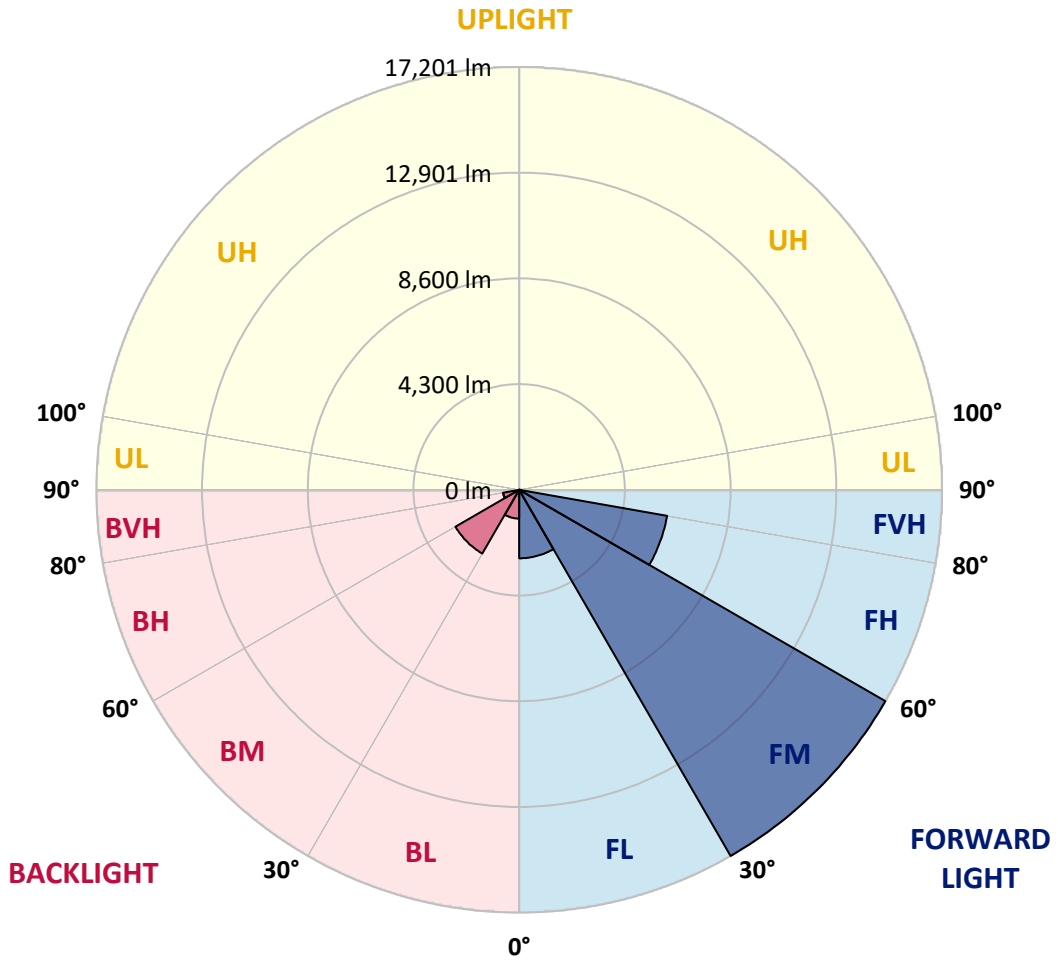
Scaled Data Report

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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°) | 2786.1 | 9.0 | | | |
| FM | (30°-60°) | 17200.9 | 55.5 | | | |
| FH | (60°-80°) | 6110.5 | 19.7 | | | G3/7500 |
| FVH | (80°-90°) | 81.4 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 1170.9 | 3.8 | B3/2500 | | |
| BM | (30°-60°) | 2992.8 | 9.6 | B3/5000 | | |
| BH | (60°-80°) | 668.5 | 2.2 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 7.4 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B3-U0-G3**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 |
| 2.5° | 5585.5 | 5568.2 | 5542.1 | 5550.8 | 5542.1 | 5507.4 | 5455.2 | 5411.8 | 5446.6 | 5394.4 | 5359.7 |
| 5° | 5750.6 | 5750.6 | 5733.2 | 5733.2 | 5741.9 | 5724.5 | 5689.8 | 5629.0 | 5637.7 | 5594.2 | 5481.3 |
| 7.5° | 5750.6 | 5724.5 | 5768.0 | 5811.4 | 5889.6 | 5933.0 | 5950.4 | 5915.6 | 5933.0 | 5846.1 | 5698.5 |
| 10° | 5411.8 | 5394.4 | 5507.4 | 5672.4 | 5898.3 | 6098.1 | 6228.4 | 6237.0 | 6263.1 | 6176.2 | 6002.5 |
| 12.5° | 4690.8 | 4656.1 | 4881.9 | 5194.6 | 5655.0 | 6115.4 | 6480.3 | 6619.3 | 6680.1 | 6645.3 | 6402.1 |
| 15° | 4021.9 | 4065.4 | 4221.7 | 4560.5 | 5177.3 | 5880.9 | 6619.3 | 7079.7 | 7166.5 | 7210.0 | 6923.3 |
| 17.5° | 3952.4 | 3961.1 | 4013.3 | 4178.3 | 4647.4 | 5498.7 | 6636.6 | 7557.4 | 7679.0 | 7870.1 | 7479.2 |
| 20° | 4143.6 | 4126.2 | 4178.3 | 4230.4 | 4456.3 | 5159.9 | 6471.6 | 8017.8 | 8252.4 | 8660.6 | 8235.0 |
| 22.5° | 4499.7 | 4499.7 | 4525.8 | 4560.5 | 4673.4 | 5133.8 | 6402.1 | 8443.5 | 8843.1 | 9677.0 | 9181.8 |
| 25° | 5099.1 | 5029.6 | 5047.0 | 5003.5 | 5099.1 | 5446.6 | 6558.5 | 8782.3 | 9329.5 | 10806.3 | 10311.1 |
| 27.5° | 6028.6 | 6054.6 | 5898.3 | 5663.7 | 5715.8 | 6011.2 | 6940.7 | 9164.5 | 9833.3 | 11979.0 | 11457.8 |
| 30° | 7314.2 | 7270.8 | 7175.2 | 6714.8 | 6506.3 | 6766.9 | 7644.3 | 9789.9 | 10510.9 | 13464.4 | 12986.6 |
| 32.5° | 8321.9 | 8443.5 | 8278.4 | 7957.0 | 7635.6 | 7713.8 | 8634.6 | 10797.6 | 11336.1 | 14828.2 | 14567.6 |
| 35° | 9538.0 | 9538.0 | 9572.7 | 9121.0 | 8903.9 | 8886.5 | 9876.8 | 11892.1 | 12430.7 | 16061.7 | 16244.1 |
| 37.5° | 11179.8 | 11066.9 | 10875.7 | 10371.9 | 10206.9 | 10424.0 | 11040.8 | 13021.4 | 13603.4 | 17060.7 | 17547.1 |
| 40° | 12561.0 | 12639.1 | 12613.1 | 11883.4 | 11562.0 | 11796.5 | 12343.8 | 13985.6 | 14437.3 | 17703.5 | 18598.2 |
| 42.5° | 13916.1 | 13959.5 | 13846.6 | 13499.1 | 13030.0 | 13047.4 | 13499.1 | 14715.3 | 15175.7 | 18320.2 | 19588.5 |
| 45° | 14932.4 | 14923.7 | 14845.6 | 14758.7 | 14480.7 | 14194.1 | 14272.2 | 15523.1 | 15922.7 | 18520.0 | 20127.1 |
| 47.5° | 15253.8 | 15323.3 | 15392.8 | 15636.1 | 15827.2 | 15375.5 | 14975.9 | 15957.5 | 16322.3 | 18485.3 | 20326.9 |
| 50° | 14958.5 | 15106.2 | 15444.9 | 15809.8 | 16461.3 | 16426.5 | 15566.6 | 16426.5 | 16782.7 | 18676.4 | 20561.4 |
| 52.5° | 14298.3 | 14446.0 | 14897.7 | 15557.9 | 16539.5 | 17025.9 | 16661.1 | 17217.0 | 17634.0 | 19162.9 | 21047.9 |
| 55° | 12760.8 | 12821.6 | 13751.0 | 14619.7 | 16148.6 | 16765.3 | 17833.8 | 18554.8 | 18902.3 | 19753.5 | 21690.7 |
| 57.5° | 10389.3 | 10537.0 | 11449.1 | 12865.0 | 15054.0 | 16079.1 | 18502.7 | 20839.4 | 20830.7 | 20318.2 | 21829.7 |
| 60° | *6836.4* | *7270.8* | *8756.2* | *10319.8* | *12934.5* | *14732.6* | *18459.2* | *23514.9* | *23784.2* | *19762.2* | *20153.1* |
| 62.5° | 5220.7 | 5403.1 | 6245.7 | 7548.7 | 9572.7 | 12213.5 | 18172.6 | 24314.1 | 24522.5 | 18268.1 | 17642.7 |
| 65° | 3926.4 | 4152.2 | 4960.1 | 6124.1 | 6758.3 | 8278.4 | 16296.2 | 21134.7 | 21421.4 | 16304.9 | 13716.3 |
| 67.5° | 2406.2 | 2588.6 | 3665.8 | 5029.6 | 5116.5 | 5142.5 | 10997.4 | 16009.6 | 16113.8 | 13151.7 | 9234.0 |
| 70° | 1607.0 | 1789.5 | 2536.5 | 3865.6 | 4074.1 | 2962.2 | 6037.3 | 12117.9 | 12109.3 | 8999.4 | 5611.6 |
| 72.5° | 929.5 | 1016.3 | 1607.0 | 2849.2 | 3205.4 | 1885.0 | 3014.3 | 7705.1 | 7366.3 | 4230.4 | 2623.4 |
| 75° | 529.9 | 590.7 | 886.0 | 1832.9 | 2249.9 | 1198.8 | 1190.1 | 4126.2 | 3648.4 | 2180.4 | 1433.3 |
| 77.5° | 321.4 | 347.5 | 486.5 | 1198.8 | 1355.1 | 807.9 | 660.2 | 1919.8 | 1850.3 | 1276.9 | 755.7 |
| 80° | 156.4 | 182.4 | 295.3 | 703.6 | 868.7 | 434.3 | 399.6 | 755.7 | 807.9 | 703.6 | 399.6 |
| 82.5° | 52.1 | 69.5 | 165.0 | 269.3 | 564.6 | 173.7 | 165.0 | 417.0 | 443.0 | 417.0 | 191.1 |
| 85° | 26.1 | 34.7 | 78.2 | 86.9 | 217.2 | 86.9 | 60.8 | 182.4 | 225.9 | 139.0 | 78.2 |
| 87.5° | 0.0 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 8.7 | 17.4 | 17.4 | 17.4 | 17.4 |
| 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):**

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 |
| 2.5° | 5333.6 | 5316.3 | 5281.5 | 5220.7 | 5212.0 | 5168.6 | 5099.1 | 5055.7 | 5020.9 | 5047.0 | 5055.7 |
| 5° | 5429.2 | 5385.8 | 5281.5 | 5116.5 | 4942.7 | 4769.0 | 4603.9 | 4412.8 | 4282.5 | 4265.2 | 4230.4 |
| 7.5° | 5602.9 | 5516.1 | 5290.2 | 4968.8 | 4525.8 | 4108.8 | 3622.4 | 3153.3 | 2918.7 | 2884.0 | 2805.8 |
| 10° | 5880.9 | 5733.2 | 5359.7 | 4708.2 | 3856.9 | 2988.2 | 2249.9 | 1746.0 | 1459.4 | 1407.2 | 1424.6 |
| 12.5° | 6211.0 | 6002.5 | 5368.4 | 4265.2 | 2936.1 | 1850.3 | 1276.9 | 1085.8 | 1025.0 | 999.0 | 999.0 |
| 15° | 6636.6 | 6332.6 | 5359.7 | 3691.8 | 1980.6 | 1190.1 | 1025.0 | 946.9 | 920.8 | 903.4 | 903.4 |
| 17.5° | 7175.2 | 6775.6 | 5298.9 | 2831.9 | 1337.8 | 1033.7 | 938.2 | 877.4 | 842.6 | 833.9 | 833.9 |
| 20° | 7809.3 | 7270.8 | 5159.9 | 2110.9 | 1120.6 | 964.2 | 886.0 | 807.9 | 781.8 | 764.4 | 764.4 |
| 22.5° | 8617.2 | 7870.1 | 4890.6 | 1641.8 | 1059.8 | 920.8 | 833.9 | 747.1 | 721.0 | 703.6 | 703.6 |
| 25° | 9555.4 | 8634.6 | 4534.5 | 1476.7 | 1051.1 | 886.0 | 781.8 | 694.9 | 668.9 | 660.2 | 651.5 |
| 27.5° | 10667.3 | 9451.1 | 4204.4 | 1485.4 | 1068.5 | 860.0 | 729.7 | 651.5 | 625.4 | 599.4 | 608.1 |
| 30° | 11979.0 | 10293.7 | 3935.1 | 1589.7 | 1085.8 | 833.9 | 694.9 | 625.4 | 599.4 | 564.6 | 564.6 |
| 32.5° | 13273.3 | 11284.0 | 3909.0 | 1780.8 | 1146.6 | 816.5 | 660.2 | 590.7 | 564.6 | 538.6 | 538.6 |
| 35° | 14602.3 | 12187.4 | 4056.7 | 2032.7 | 1268.3 | 790.5 | 616.8 | 555.9 | 529.9 | 512.5 | 503.8 |
| 37.5° | 15870.6 | 12908.4 | 4195.7 | 2189.0 | 1198.8 | 677.6 | 564.6 | 512.5 | 486.5 | 451.7 | 451.7 |
| 40° | 16713.2 | 13299.3 | 4221.7 | 2067.4 | 990.3 | 608.1 | 512.5 | 460.4 | 425.6 | 408.3 | 399.6 |
| 42.5° | 17330.0 | 13551.2 | 3926.4 | 1676.5 | 860.0 | 555.9 | 469.1 | 417.0 | 390.9 | 373.5 | 373.5 |
| 45° | 17581.9 | 13464.4 | 3422.6 | 1276.9 | 790.5 | 512.5 | 425.6 | 382.2 | 364.8 | 347.5 | 347.5 |
| 47.5° | 17547.1 | 13064.8 | 2910.0 | 1025.0 | 721.0 | 469.1 | 399.6 | 364.8 | 347.5 | 330.1 | 321.4 |
| 50° | 17486.3 | 12691.3 | 2388.8 | 912.1 | 642.8 | 443.0 | 373.5 | 347.5 | 321.4 | 304.0 | 295.3 |
| 52.5° | 17885.9 | 12569.7 | 1980.6 | 833.9 | 599.4 | 425.6 | 364.8 | 330.1 | 304.0 | 286.7 | 286.7 |
| 55° | 18285.5 | 12621.8 | 1554.9 | 781.8 | 555.9 | 417.0 | 356.2 | 321.4 | 295.3 | 269.3 | 269.3 |
| 57.5° | 18259.4 | 12395.9 | 1181.4 | 729.7 | 521.2 | 408.3 | 347.5 | 312.7 | 269.3 | 251.9 | 251.9 |
| 60° | *16600.3* | *11058.2* | *920.8* | *668.9* | *477.8* | *382.2* | *321.4* | *295.3* | *251.9* | *225.9* | *225.9* |
| 62.5° | 14037.7 | 8695.4 | 755.7 | 590.7 | 425.6 | 347.5 | 295.3 | 269.3 | 225.9 | 182.4 | 182.4 |
| 65° | 10371.9 | 6271.8 | 608.1 | 512.5 | 390.9 | 304.0 | 269.3 | 234.5 | 182.4 | 147.7 | 139.0 |
| 67.5° | 7018.9 | 3856.9 | 486.5 | 425.6 | 347.5 | 260.6 | 225.9 | 199.8 | 165.0 | 121.6 | 112.9 |
| 70° | 4160.9 | 2050.1 | 356.2 | 295.3 | 260.6 | 191.1 | 191.1 | 173.7 | 139.0 | 104.2 | 95.6 |
| 72.5° | 1980.6 | 712.3 | 260.6 | 217.2 | 199.8 | 139.0 | 147.7 | 147.7 | 112.9 | 78.2 | 69.5 |
| 75° | 1007.7 | 347.5 | 173.7 | 156.4 | 130.3 | 104.2 | 121.6 | 112.9 | 78.2 | 52.1 | 52.1 |
| 77.5° | 573.3 | 243.2 | 121.6 | 104.2 | 86.9 | 69.5 | 78.2 | 69.5 | 43.4 | 26.1 | 26.1 |
| 80° | 321.4 | 173.7 | 78.2 | 69.5 | 52.1 | 43.4 | 43.4 | 34.7 | 26.1 | 8.7 | 8.7 |
| 82.5° | 121.6 | 104.2 | 52.1 | 34.7 | 26.1 | 26.1 | 17.4 | 17.4 | 8.7 | 0.0 | 0.0 |
| 85° | 52.1 | 26.1 | 26.1 | 17.4 | 17.4 | 8.7 | 8.7 | 8.7 | 0.0 | 0.0 | 0.0 |
| 87.5° | 8.7 | 8.7 | 8.7 | 8.7 | 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 |

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**CANDELA DISTRIBUTION (continued):**

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 |
| 2.5° | 4986.2 | 5003.5 | 5020.9 | 5090.4 | 5107.8 | 5159.9 | 5203.3 | 5255.5 | 5264.1 | 5333.6 | 5333.6 |
| 5° | 4299.9 | 4291.2 | 4438.9 | 4656.1 | 4795.1 | 4986.2 | 5133.8 | 5290.2 | 5377.1 | 5490.0 | 5542.1 |
| 7.5° | 2849.2 | 3066.4 | 3396.5 | 3778.7 | 4273.9 | 4734.3 | 5081.7 | 5385.8 | 5594.2 | 5724.5 | 5776.7 |
| 10° | 1415.9 | 1537.5 | 1885.0 | 2510.5 | 3353.1 | 4291.2 | 5029.6 | 5594.2 | 5933.0 | 6080.7 | 6176.2 |
| 12.5° | 999.0 | 1025.0 | 1085.8 | 1424.6 | 2232.5 | 3561.5 | 4864.6 | 5820.1 | 6289.2 | 6567.1 | 6688.8 |
| 15° | 894.7 | 912.1 | 938.2 | 1033.7 | 1381.2 | 2658.1 | 4569.2 | 6072.0 | 6845.1 | 7166.5 | 7322.9 |
| 17.5° | 825.2 | 833.9 | 860.0 | 938.2 | 1085.8 | 1806.8 | 4091.4 | 6341.3 | 7514.0 | 7904.9 | 8200.2 |
| 20° | 764.4 | 764.4 | 790.5 | 886.0 | 1007.7 | 1389.9 | 3405.2 | 6645.3 | 8365.3 | 8929.9 | 9225.3 |
| 22.5° | 694.9 | 712.3 | 729.7 | 833.9 | 981.6 | 1268.3 | 2762.4 | 6879.9 | 9312.1 | 9998.4 | 10345.9 |
| 25° | 642.8 | 660.2 | 677.6 | 781.8 | 955.5 | 1268.3 | 2388.8 | 7027.5 | 10371.9 | 11188.5 | 11666.2 |
| 27.5° | 599.4 | 616.8 | 642.8 | 747.1 | 929.5 | 1320.4 | 2241.2 | 7071.0 | 11527.2 | 12587.0 | 13229.8 |
| 30° | 564.6 | 582.0 | 608.1 | 721.0 | 946.9 | 1381.2 | 2293.3 | 7010.2 | 12700.0 | 14029.0 | 14793.4 |
| 32.5° | 529.9 | 547.3 | 573.3 | 694.9 | 946.9 | 1459.4 | 2467.0 | 6888.6 | 13837.9 | 15471.0 | 16409.2 |
| 35° | 503.8 | 512.5 | 521.2 | 625.4 | 860.0 | 1450.7 | 2684.2 | 6766.9 | 14984.6 | 16895.6 | 17990.2 |
| 37.5° | 451.7 | 460.4 | 477.8 | 538.6 | 686.2 | 1320.4 | 2727.6 | 6619.3 | 15888.0 | 18094.4 | 19301.8 |
| 40° | 399.6 | 417.0 | 434.3 | 495.1 | 573.3 | 1068.5 | 2536.5 | 6306.5 | 16365.7 | 19015.2 | 20483.2 |
| 42.5° | 364.8 | 373.5 | 390.9 | 451.7 | 529.9 | 851.3 | 2128.2 | 5759.3 | 16791.4 | 19640.6 | 21343.2 |
| 45° | 338.8 | 347.5 | 364.8 | 408.3 | 495.1 | 738.4 | 1676.5 | 5090.4 | 16826.1 | 19840.4 | 21760.2 |
| 47.5° | 312.7 | 321.4 | 330.1 | 373.5 | 477.8 | 660.2 | 1285.6 | 4482.3 | 16817.4 | 20101.0 | 22116.3 |
| 50° | 295.3 | 304.0 | 321.4 | 356.2 | 451.7 | 590.7 | 1059.8 | 3987.2 | 17182.3 | 20665.7 | 22837.3 |
| 52.5° | 286.7 | 286.7 | 312.7 | 347.5 | 425.6 | 538.6 | 886.0 | 3544.2 | 17373.4 | 21221.6 | 23358.5 |
| 55° | 269.3 | 278.0 | 295.3 | 330.1 | 399.6 | 512.5 | 755.7 | 2988.2 | 17460.3 | 21499.6 | 23454.1 |
| 57.5° | 251.9 | 260.6 | 286.7 | 312.7 | 382.2 | 486.5 | 651.5 | 2232.5 | 16218.1 | 20048.9 | 21855.7 |
| 60° | *225.9* | *243.2* | *278.0* | *304.0* | *356.2* | *443.0* | *573.3* | *1511.5* | *13681.5* | *17425.5* | *18937.0* |
| 62.5° | 182.4 | 217.2 | 251.9 | 269.3 | 321.4 | 373.5 | 486.5 | 1007.7 | 10927.9 | 14419.9 | 16139.9 |
| 65° | 139.0 | 182.4 | 208.5 | 234.5 | 269.3 | 312.7 | 408.3 | 686.2 | 7288.1 | 9703.0 | 11640.2 |
| 67.5° | 121.6 | 156.4 | 173.7 | 191.1 | 225.9 | 269.3 | 330.1 | 477.8 | 4421.5 | 5828.8 | 7739.8 |
| 70° | 95.6 | 130.3 | 147.7 | 139.0 | 173.7 | 208.5 | 234.5 | 321.4 | 2258.5 | 3162.0 | 4404.2 |
| 72.5° | 69.5 | 104.2 | 112.9 | 112.9 | 104.2 | 147.7 | 173.7 | 225.9 | 981.6 | 1537.5 | 1997.9 |
| 75° | 52.1 | 69.5 | 78.2 | 69.5 | 60.8 | 95.6 | 121.6 | 147.7 | 642.8 | 920.8 | 1164.0 |
| 77.5° | 26.1 | 26.1 | 43.4 | 43.4 | 26.1 | 52.1 | 60.8 | 86.9 | 364.8 | 538.6 | 668.9 |
| 80° | 8.7 | 0.0 | 0.0 | 8.7 | 0.0 | 17.4 | 26.1 | 43.4 | 191.1 | 286.7 | 417.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.7 | 95.6 | 86.9 | 217.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 17.4 | 52.1 |
| 87.5° | 0.0 | 0.0 | 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 |

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

Scaled Data Report

REPORT NUMBER: P1501727
CATALOG NUMBER: GSS-SB5C-740-U-T2LG-HSS

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 | 5316.3 |
| 2.5° | 5377.1 | 5377.1 | 5411.8 | 5463.9 | 5490.0 | 5507.4 | 5516.1 | 5533.4 | 5602.9 | 5585.5 |
| 5° | 5602.9 | 5620.3 | 5646.4 | 5698.5 | 5759.3 | 5741.9 | 5741.9 | 5741.9 | 5785.3 | 5750.6 |
| 7.5° | 5898.3 | 5950.4 | 5959.1 | 6019.9 | 5976.4 | 5889.6 | 5837.5 | 5759.3 | 5750.6 | 5750.6 |
| 10° | 6376.0 | 6358.7 | 6358.7 | 6280.5 | 6124.1 | 5872.2 | 5646.4 | 5490.0 | 5403.1 | 5411.8 |
| 12.5° | 6888.6 | 6819.1 | 6827.7 | 6541.1 | 6098.1 | 5542.1 | 5081.7 | 4742.9 | 4716.9 | 4690.8 |
| 15° | 7522.7 | 7340.3 | 7305.5 | 6645.3 | 5707.2 | 4855.9 | 4404.2 | 4134.9 | 4048.0 | 4021.9 |
| 17.5° | 8426.1 | 7965.7 | 7800.7 | 6462.9 | 5194.6 | 4430.2 | 4091.4 | 3969.8 | 3961.1 | 3952.4 |
| 20° | 9381.6 | 8469.5 | 8156.8 | 6193.6 | 5020.9 | 4438.9 | 4187.0 | 4152.2 | 4134.9 | 4143.6 |
| 22.5° | 10493.5 | 8790.9 | 8391.3 | 6237.0 | 5177.3 | 4725.6 | 4525.8 | 4499.7 | 4482.3 | 4499.7 |
| 25° | 11640.2 | 9164.5 | 8669.3 | 6584.5 | 5646.4 | 5255.5 | 5020.9 | 4968.8 | 5020.9 | 5099.1 |
| 27.5° | 12795.5 | 9668.3 | 9216.6 | 7270.8 | 6402.1 | 5976.4 | 5750.6 | 5941.7 | 6019.9 | 6028.6 |
| 30° | 13820.5 | 10371.9 | 9955.0 | 8235.0 | 7262.1 | 6836.4 | 6879.9 | 7123.1 | 7218.6 | 7314.2 |
| 32.5° | 14758.7 | 11310.1 | 10988.7 | 9329.5 | 8374.0 | 8122.1 | 8096.0 | 8278.4 | 8382.7 | 8321.9 |
| 35° | 15705.5 | 12534.9 | 12222.2 | 10519.6 | 9737.8 | 9529.3 | 9312.1 | 9668.3 | 9633.5 | 9538.0 |
| 37.5° | 16600.3 | 13768.4 | 13481.8 | 11796.5 | 10988.7 | 10623.8 | 10589.1 | 10910.5 | 11197.2 | 11179.8 |
| 40° | 17243.1 | 14767.4 | 14419.9 | 13064.8 | 12300.4 | 11987.6 | 12170.1 | 12726.0 | 12656.5 | 12561.0 |
| 42.5° | 17833.8 | 15618.7 | 15306.0 | 14176.7 | 13377.5 | 13516.5 | 13681.5 | 14055.1 | 14011.6 | 13916.1 |
| 45° | 18111.8 | 16348.4 | 16079.1 | 15019.3 | 14628.4 | 15071.4 | 15062.7 | 15201.7 | 14967.2 | 14932.4 |
| 47.5° | 18502.7 | 16869.6 | 16591.6 | 15775.0 | 16122.5 | 16304.9 | 15792.4 | 15644.7 | 15427.6 | 15253.8 |
| 50° | 19223.7 | 17677.4 | 17399.5 | 16921.7 | 17217.0 | 16652.4 | 16027.0 | 15705.5 | 15262.5 | 14958.5 |
| 52.5° | 20066.3 | 18902.3 | 18659.0 | 18467.9 | 17642.7 | 16478.7 | 15679.5 | 15097.5 | 14558.9 | 14298.3 |
| 55° | 21126.0 | 20709.1 | 20535.4 | 19484.3 | 17260.5 | 15766.4 | 14828.2 | 13742.4 | 13004.0 | 12760.8 |
| 57.5° | 21473.5 | 23358.5 | 23297.7 | 19649.3 | 16192.0 | 14472.0 | 12778.1 | 11310.1 | 10545.7 | 10389.3 |
| 60° | 20448.5 | 25434.6 | 25217.5 | 19371.3 | 14254.9 | 11744.4 | 9763.8 | 8261.0 | 7018.9 | 6836.4 |
| 62.5° | 19136.8 | 23845.0 | 23766.8 | 17972.8 | 10858.4 | 8417.4 | 7296.8 | 5889.6 | 5359.7 | 5220.7 |
| 65° | 16391.8 | 19510.3 | 19545.1 | 14419.9 | 6871.2 | 6045.9 | 5993.8 | 4682.1 | 4030.6 | 3926.4 |
| 67.5° | 12621.8 | 14967.2 | 14724.0 | 9068.9 | 4004.6 | 4838.5 | 4786.4 | 3422.6 | 2475.7 | 2406.2 |
| 70° | 7375.0 | 11145.0 | 10754.1 | 4716.9 | 2649.4 | 4039.3 | 3683.2 | 2406.2 | 1685.2 | 1607.0 |
| 72.5° | 3257.5 | 6132.8 | 6584.5 | 2076.1 | 1867.6 | 3214.1 | 2658.1 | 1476.7 | 946.9 | 929.5 |
| 75° | 1806.8 | 3040.3 | 3179.3 | 903.4 | 1311.7 | 2284.6 | 1607.0 | 825.2 | 538.6 | 529.9 |
| 77.5° | 1085.8 | 1346.4 | 1311.7 | 582.0 | 981.6 | 1459.4 | 972.9 | 469.1 | 338.8 | 321.4 |
| 80° | 608.1 | 616.8 | 521.2 | 425.6 | 582.0 | 816.5 | 547.3 | 295.3 | 156.4 | 156.4 |
| 82.5° | 373.5 | 338.8 | 269.3 | 130.3 | 156.4 | 495.1 | 199.8 | 165.0 | 52.1 | 52.1 |
| 85° | 156.4 | 104.2 | 69.5 | 26.1 | 60.8 | 130.3 | 69.5 | 78.2 | 26.1 | 26.1 |
| 87.5° | 0.0 | 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 |

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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

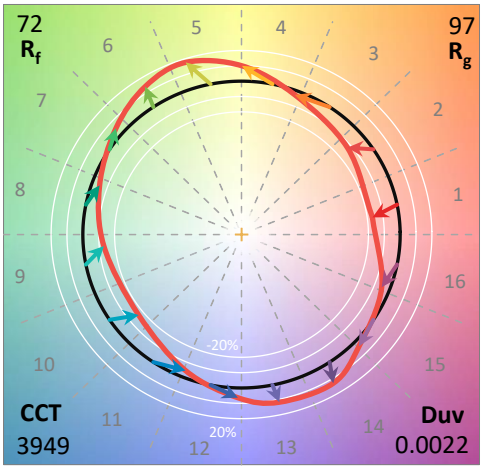
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-1 |
| 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-740-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 3949 |
| CIE u': | 0.2248 |
| CIE v': | 0.5053 |
| Duv: | 0.0022 |
| CIE x: | 0.3844 |
| CIE y: | 0.3840 |
| CIE z: | 0.2316 |
| Peak Wavelength (nm): | 440 |
| Dominant Wavelength (nm): | 578 |
| Purity: | 30.60026 |
| Rf: | 71.8 |
| Rg: | 96.5 |

| | |
|---|---|
| CRI (Ra): | 70.7 |
| R1: | 68.0 |
| R2: | 76.0 |
| R3: | 84.3 |
| R4: | 72.0 |
| R5: | 68.6 |
| R6: | 68.3 |
| R7: | 77.9 |
| R8: | 50.3 |
| R9: | -36.7 |
| R10: | 45.1 |
| R11: | 70.7 |
| R12: | 47.1 |
| R13: | 68.5 |
| R14: | 91.1 |
| R15: | 58.7 |




## Test Conditions

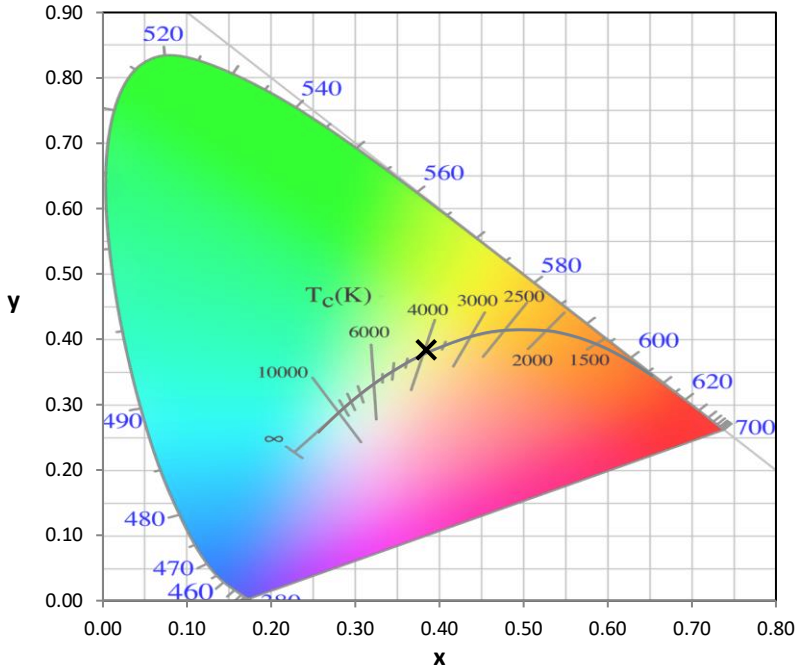
| | |
|---|---|
| Stabilization Time: | 34M |
| Operation Time: | 1H 34M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-1

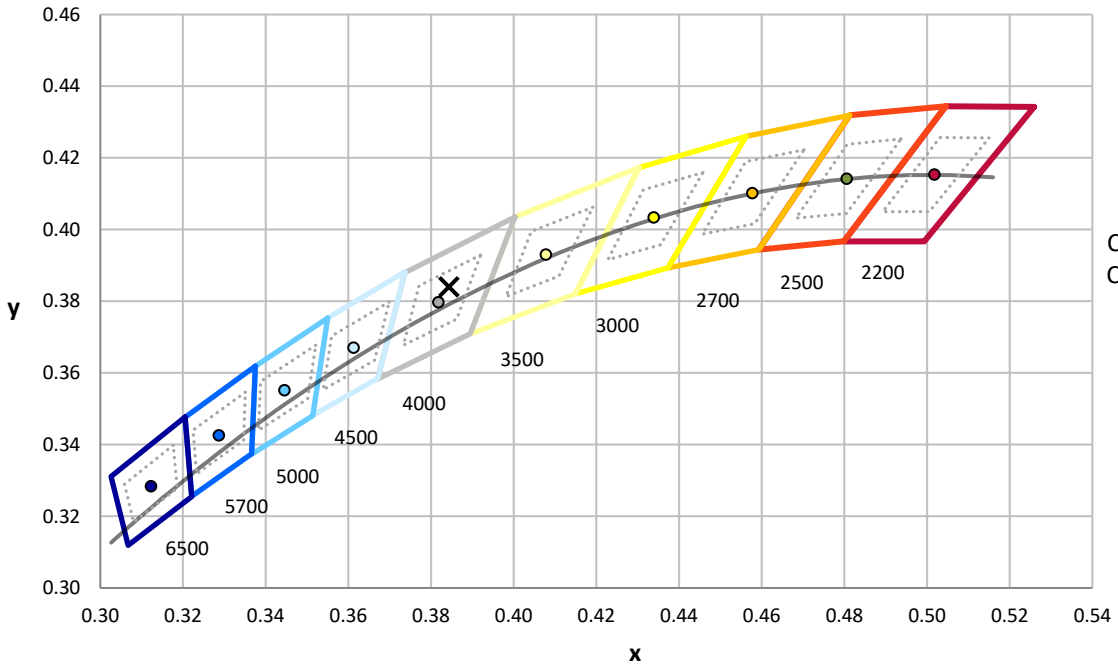
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC 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: SP1-2407-184-1

## CIE 1931 Chromaticity Diagram




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

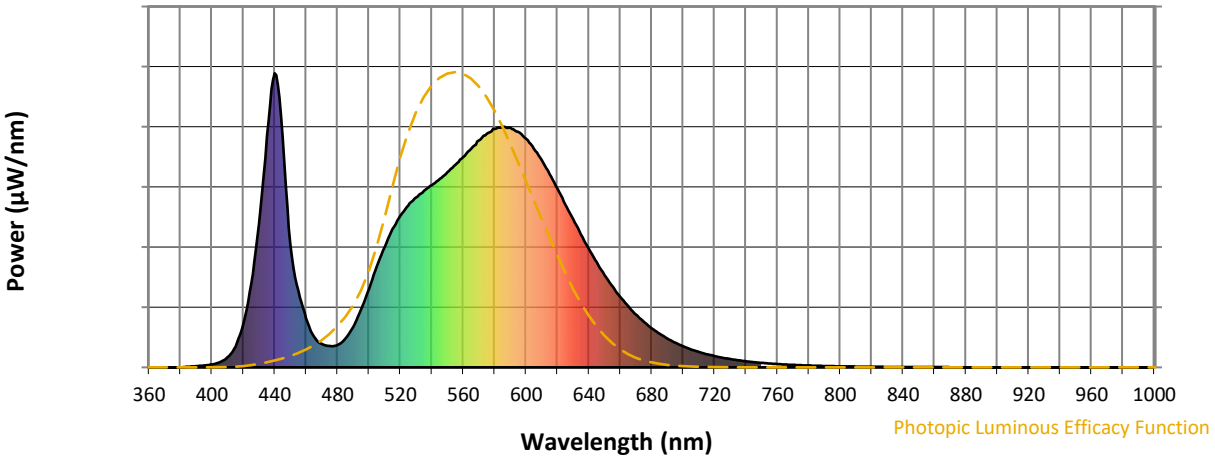



CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

## Photopic Flux vs. Wavelength

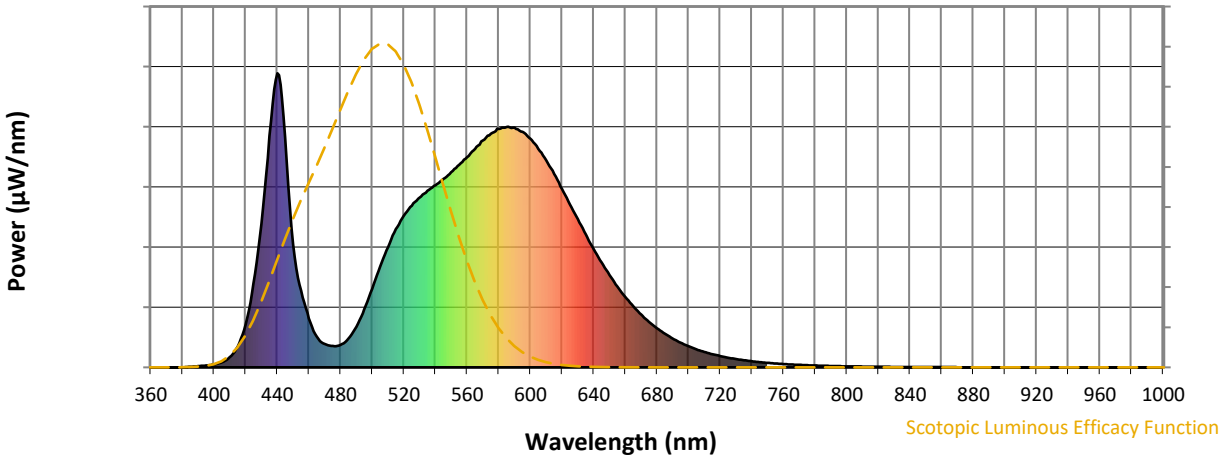



## Photopic Lumens: NR

| 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 | 139 | NR | 620 | 607 | NR | 750 | 15 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 198 | NR | 625 | 554 | NR | 755 | 13 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 267 | NR | 630 | 504 | NR | 760 | 11 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 343 | NR | 635 | 452 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 410 | NR | 640 | 403 | NR | 770 | 8 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 470 | NR | 645 | 357 | NR | 775 | 7 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 516 | NR | 650 | 314 | NR | 780 | 6 | NR | 910 | 0 | NR |
| 395 | 7 | NR | 525 | 550 | NR | 655 | 275 | NR | 785 | 5 | NR | 915 | 0 | NR |
| 400 | 10 | NR | 530 | 578 | NR | 660 | 240 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 17 | NR | 535 | 601 | NR | 665 | 208 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 35 | NR | 540 | 620 | NR | 670 | 179 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 70 | NR | 545 | 641 | NR | 675 | 155 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 147 | NR | 550 | 664 | NR | 680 | 133 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 285 | NR | 555 | 689 | NR | 685 | 114 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 487 | NR | 560 | 715 | NR | 690 | 98 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 787 | NR | 565 | 743 | NR | 695 | 84 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 1000 | NR | 570 | 771 | NR | 700 | 72 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 783 | NR | 575 | 794 | NR | 705 | 61 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 417 | NR | 580 | 811 | NR | 710 | 52 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 261 | NR | 585 | 817 | NR | 715 | 45 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 167 | NR | 590 | 815 | NR | 720 | 39 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 104 | NR | 595 | 801 | NR | 725 | 33 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 79 | NR | 600 | 777 | NR | 730 | 28 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 73 | NR | 605 | 744 | NR | 735 | 24 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 704 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 657 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-1

## Scotopic Flux vs. Wavelength

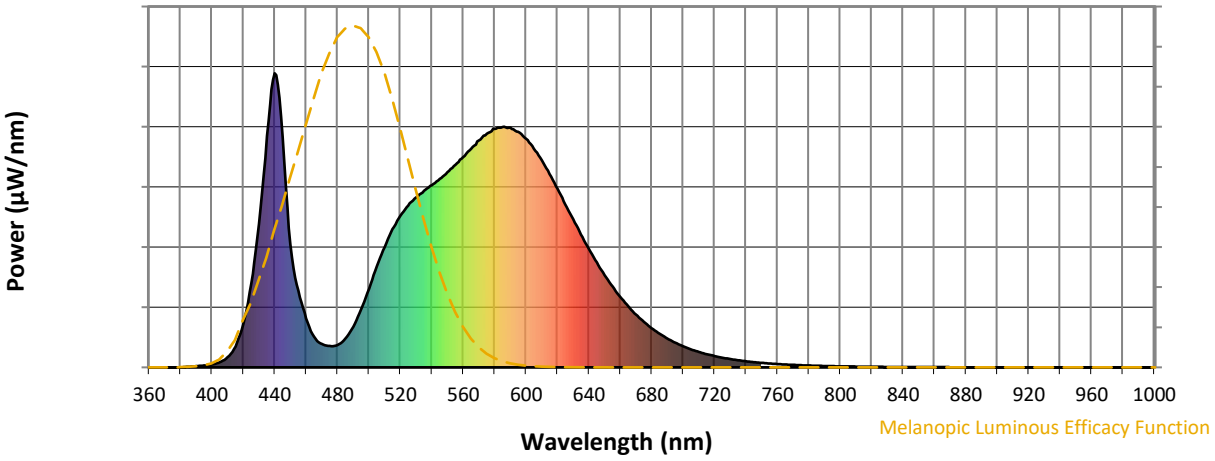



**Scotopic Lumens: NR** **S/P: 1.47**

| 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 | 139 | NR | 620 | 607 | NR | 750 | 15 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 198 | NR | 625 | 554 | NR | 755 | 13 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 267 | NR | 630 | 504 | NR | 760 | 11 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 343 | NR | 635 | 452 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 410 | NR | 640 | 403 | NR | 770 | 8 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 470 | NR | 645 | 357 | NR | 775 | 7 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 516 | NR | 650 | 314 | NR | 780 | 6 | NR | 910 | 0 | NR |
| 395 | 7 | NR | 525 | 550 | NR | 655 | 275 | NR | 785 | 5 | NR | 915 | 0 | NR |
| 400 | 10 | NR | 530 | 578 | NR | 660 | 240 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 17 | NR | 535 | 601 | NR | 665 | 208 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 35 | NR | 540 | 620 | NR | 670 | 179 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 70 | NR | 545 | 641 | NR | 675 | 155 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 147 | NR | 550 | 664 | NR | 680 | 133 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 285 | NR | 555 | 689 | NR | 685 | 114 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 487 | NR | 560 | 715 | NR | 690 | 98 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 787 | NR | 565 | 743 | NR | 695 | 84 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 1000 | NR | 570 | 771 | NR | 700 | 72 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 783 | NR | 575 | 794 | NR | 705 | 61 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 417 | NR | 580 | 811 | NR | 710 | 52 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 261 | NR | 585 | 817 | NR | 715 | 45 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 167 | NR | 590 | 815 | NR | 720 | 39 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 104 | NR | 595 | 801 | NR | 725 | 33 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 79 | NR | 600 | 777 | NR | 730 | 28 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 73 | NR | 605 | 744 | NR | 735 | 24 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 704 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 657 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

REPORT NUMBER: SP1-2407-184-1

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 2.78**

| 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 | 139 | NR | 620 | 607 | NR | 750 | 15 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 198 | NR | 625 | 554 | NR | 755 | 13 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 267 | NR | 630 | 504 | NR | 760 | 11 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 343 | NR | 635 | 452 | NR | 765 | 10 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 410 | NR | 640 | 403 | NR | 770 | 8 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 470 | NR | 645 | 357 | NR | 775 | 7 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 516 | NR | 650 | 314 | NR | 780 | 6 | NR | 910 | 0 | NR |
| 395 | 7 | NR | 525 | 550 | NR | 655 | 275 | NR | 785 | 5 | NR | 915 | 0 | NR |
| 400 | 10 | NR | 530 | 578 | NR | 660 | 240 | NR | 790 | 5 | NR | 920 | 0 | NR |
| 405 | 17 | NR | 535 | 601 | NR | 665 | 208 | NR | 795 | 4 | NR | 925 | 0 | NR |
| 410 | 35 | NR | 540 | 620 | NR | 670 | 179 | NR | 800 | 4 | NR | 930 | 0 | NR |
| 415 | 70 | NR | 545 | 641 | NR | 675 | 155 | NR | 805 | 3 | NR | 935 | 0 | NR |
| 420 | 147 | NR | 550 | 664 | NR | 680 | 133 | NR | 810 | 3 | NR | 940 | 0 | NR |
| 425 | 285 | NR | 555 | 689 | NR | 685 | 114 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 487 | NR | 560 | 715 | NR | 690 | 98 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 787 | NR | 565 | 743 | NR | 695 | 84 | NR | 825 | 2 | NR | 955 | 0 | NR |
| 440 | 1000 | NR | 570 | 771 | NR | 700 | 72 | NR | 830 | 2 | NR | 960 | 0 | NR |
| 445 | 783 | NR | 575 | 794 | NR | 705 | 61 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 417 | NR | 580 | 811 | NR | 710 | 52 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 261 | NR | 585 | 817 | NR | 715 | 45 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 167 | NR | 590 | 815 | NR | 720 | 39 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 104 | NR | 595 | 801 | NR | 725 | 33 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 79 | NR | 600 | 777 | NR | 730 | 28 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 73 | NR | 605 | 744 | NR | 735 | 24 | NR | 865 | 1 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 704 | NR | 740 | 21 | NR | 870 | 1 | NR | 1000 | 0 | NR |
| 485 | 98 | NR | 615 | 657 | NR | 745 | 18 | NR | 875 | 1 | NR | | | |

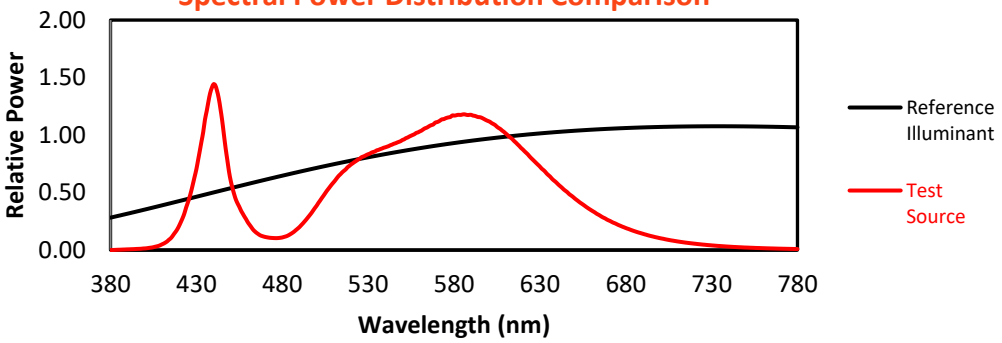
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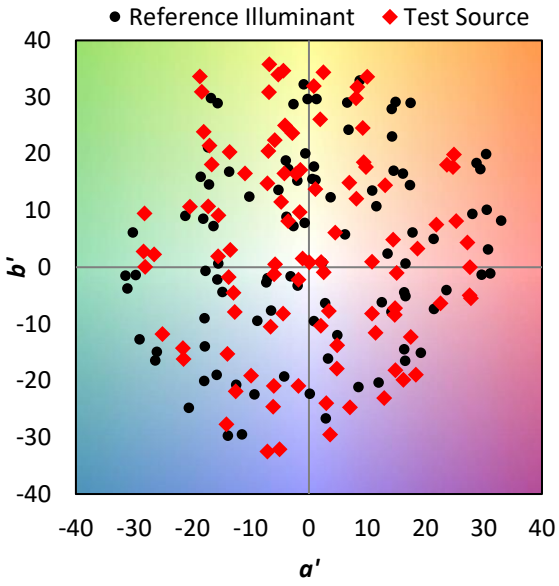
## Summary

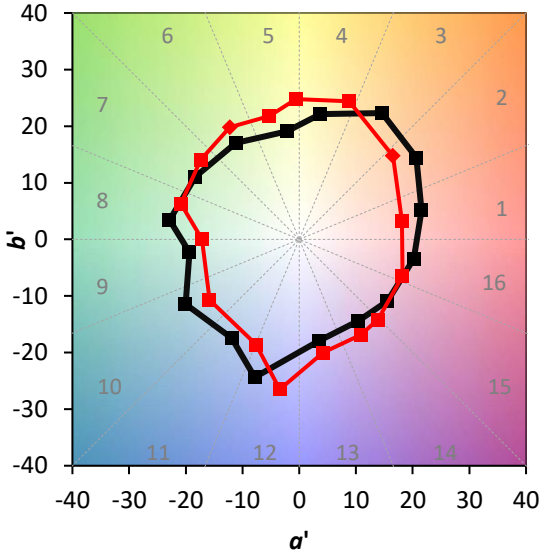
$R_f$ = 71.8
$R_g$ = 96.5
CIE $R_a$ = 70.7
$R_9$ = -36.7

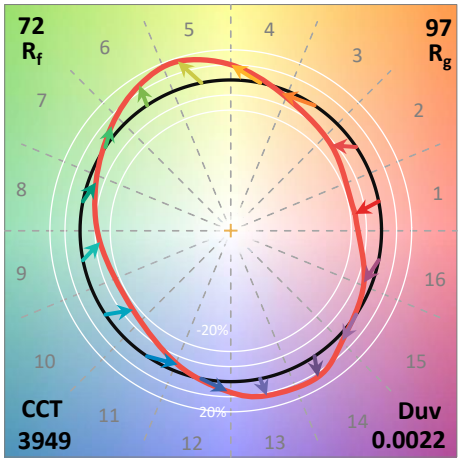
## Spectral Power Distribution Comparison

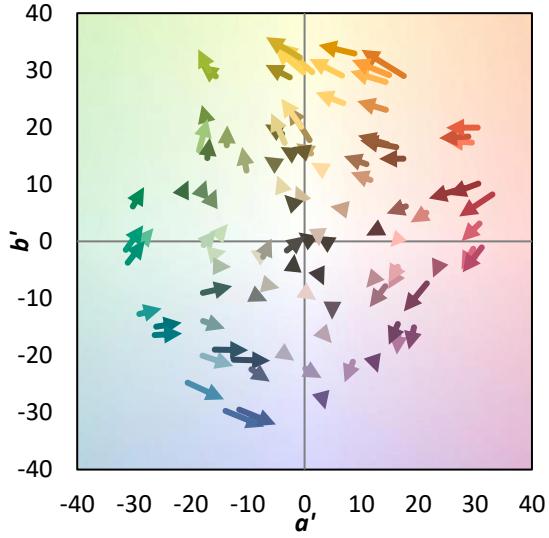



## Color Vector Graphics



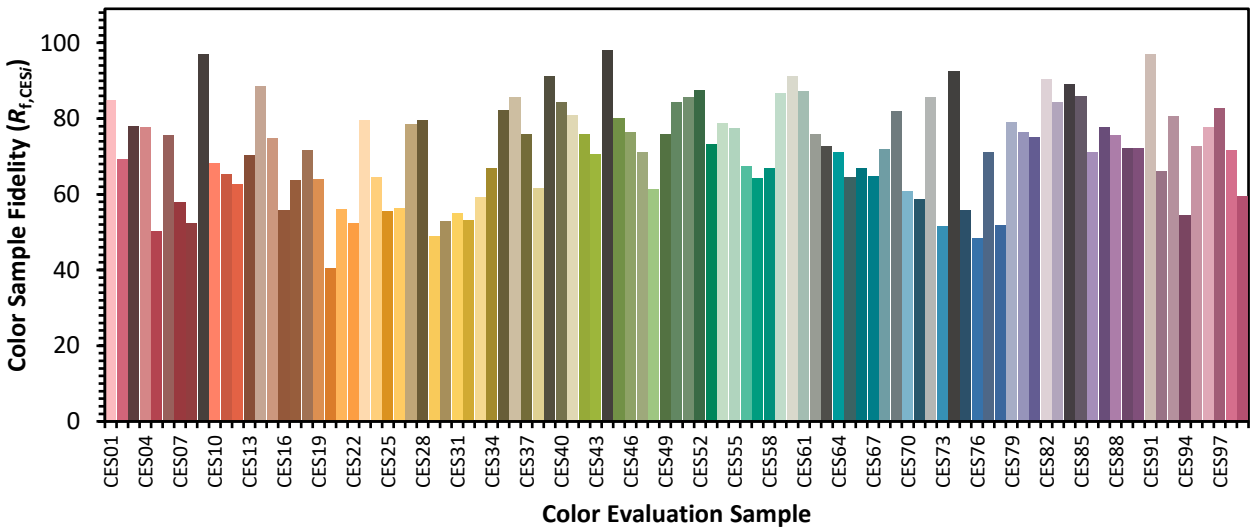



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**Individual Sample Fidelity Index ($R_{f,i}$)**

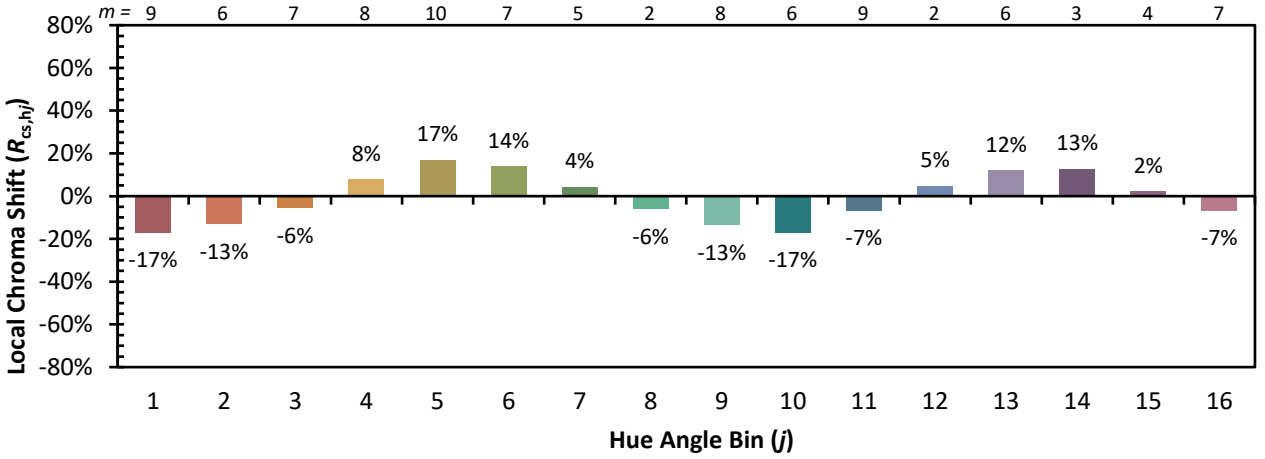
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 56 | CES51 = 86 | CES76 = 48 |
| CES02 = 61 | CES27 = 79 | CES52 = 88 | CES77 = 71 |
| CES03 = 30 | CES28 = 80 | CES53 = 73 | CES78 = 52 |
| CES04 = 70 | CES29 = 49 | CES54 = 79 | CES79 = 79 |
| CES05 = 47 | CES30 = 53 | CES55 = 77 | CES80 = 77 |
| CES06 = 50 | CES31 = 55 | CES56 = 67 | CES81 = 75 |
| CES07 = 40 | CES32 = 53 | CES57 = 64 | CES82 = 90 |
| CES08 = 39 | CES33 = 59 | CES58 = 67 | CES83 = 84 |
| CES09 = 29 | CES34 = 67 | CES59 = 87 | CES84 = 89 |
| CES10 = 74 | CES35 = 82 | CES60 = 91 | CES85 = 86 |
| CES11 = 57 | CES36 = 86 | CES61 = 87 | CES86 = 71 |
| CES12 = 63 | CES37 = 76 | CES62 = 76 | CES87 = 78 |
| CES13 = 42 | CES38 = 62 | CES63 = 73 | CES88 = 76 |
| CES14 = 74 | CES39 = 91 | CES64 = 71 | CES89 = 72 |
| CES15 = 71 | CES40 = 84 | CES65 = 64 | CES90 = 72 |
| CES16 = 46 | CES41 = 81 | CES66 = 67 | CES91 = 97 |
| CES17 = 49 | CES42 = 76 | CES67 = 65 | CES92 = 66 |
| CES18 = 56 | CES43 = 71 | CES68 = 72 | CES93 = 81 |
| CES19 = 72 | CES44 = 98 | CES69 = 82 | CES94 = 55 |
| CES20 = 65 | CES45 = 80 | CES70 = 61 | CES95 = 73 |
| CES21 = 86 | CES46 = 76 | CES71 = 59 | CES96 = 78 |
| CES22 = 78 | CES47 = 71 | CES72 = 86 | CES97 = 83 |
| CES23 = 92 | CES48 = 61 | CES73 = 52 | CES98 = 72 |
| CES24 = 91 | CES49 = 76 | CES74 = 93 | CES99 = 60 |
| CES25 = 72 | CES50 = 84 | CES75 = 56 | |

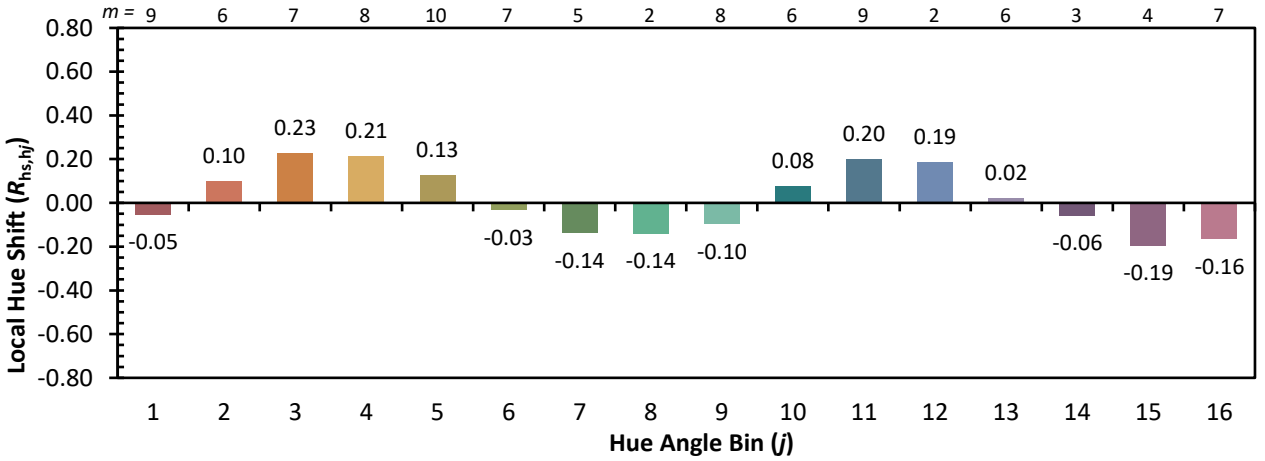


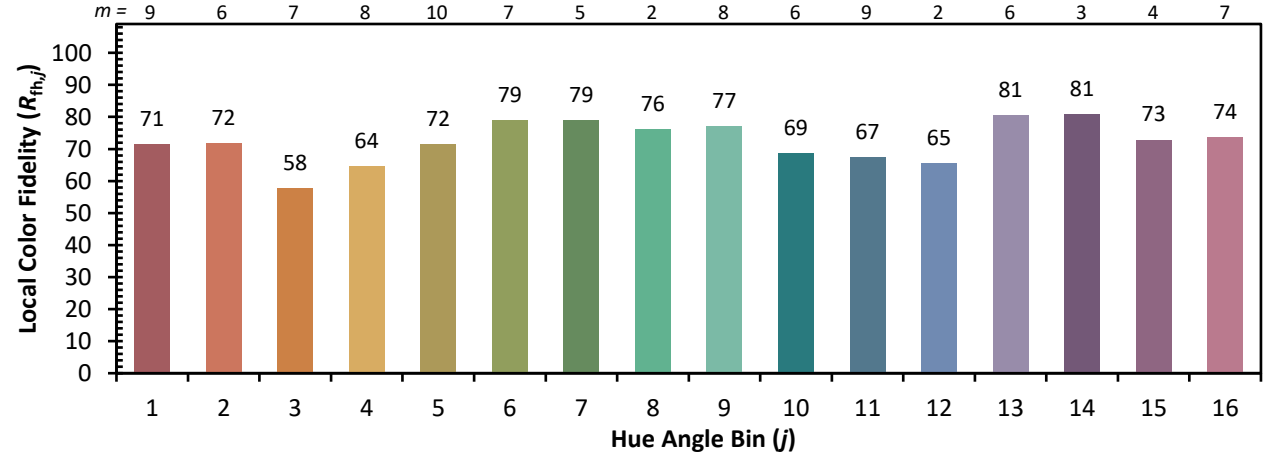
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## Color Rendition by Hue-Angle Bin



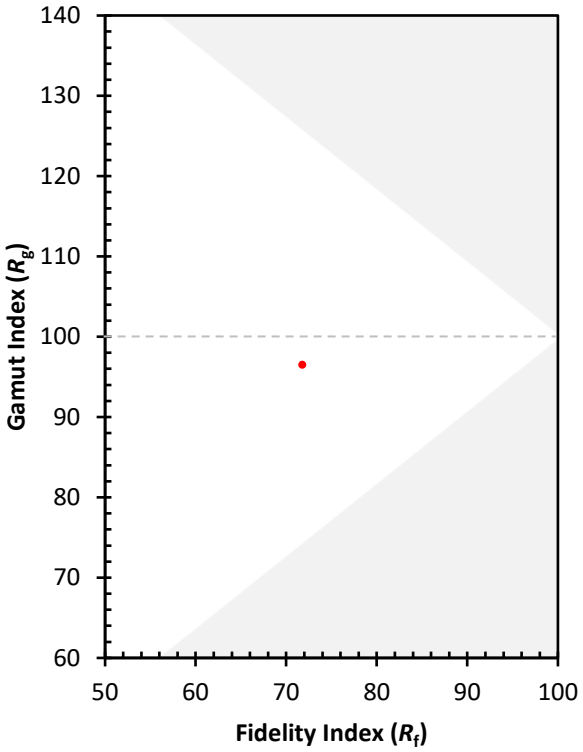



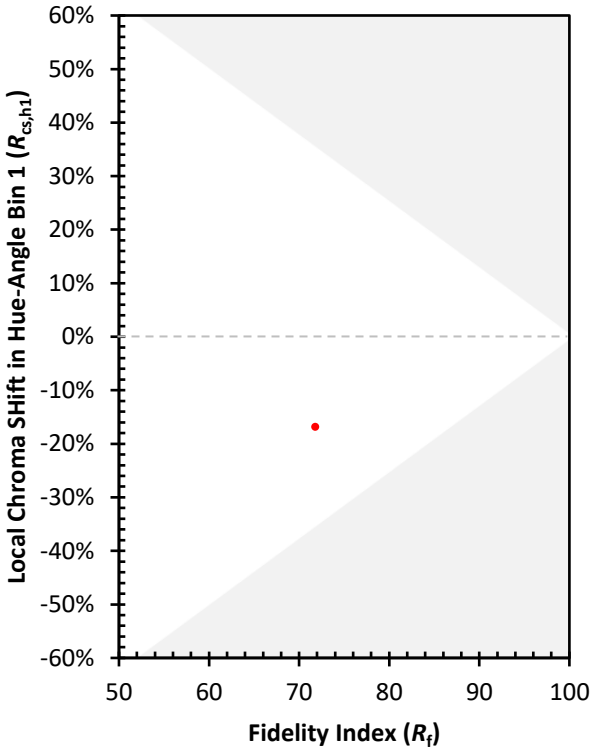



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## Measure Comparisons




(END OF REPORT)