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: P1501464

Luminaire Tested: GSS-SB5D-750-U-T2LG

Issue Date: 07/20/2026

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Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501464 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB5D-750-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 302W 70CRI 5000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (130) 5000K CCT, 70 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 45088.8 lumens |
| Efficiency: | N/A |
| Efficacy: | 149.3 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 1' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B4 - U0 - G4 |

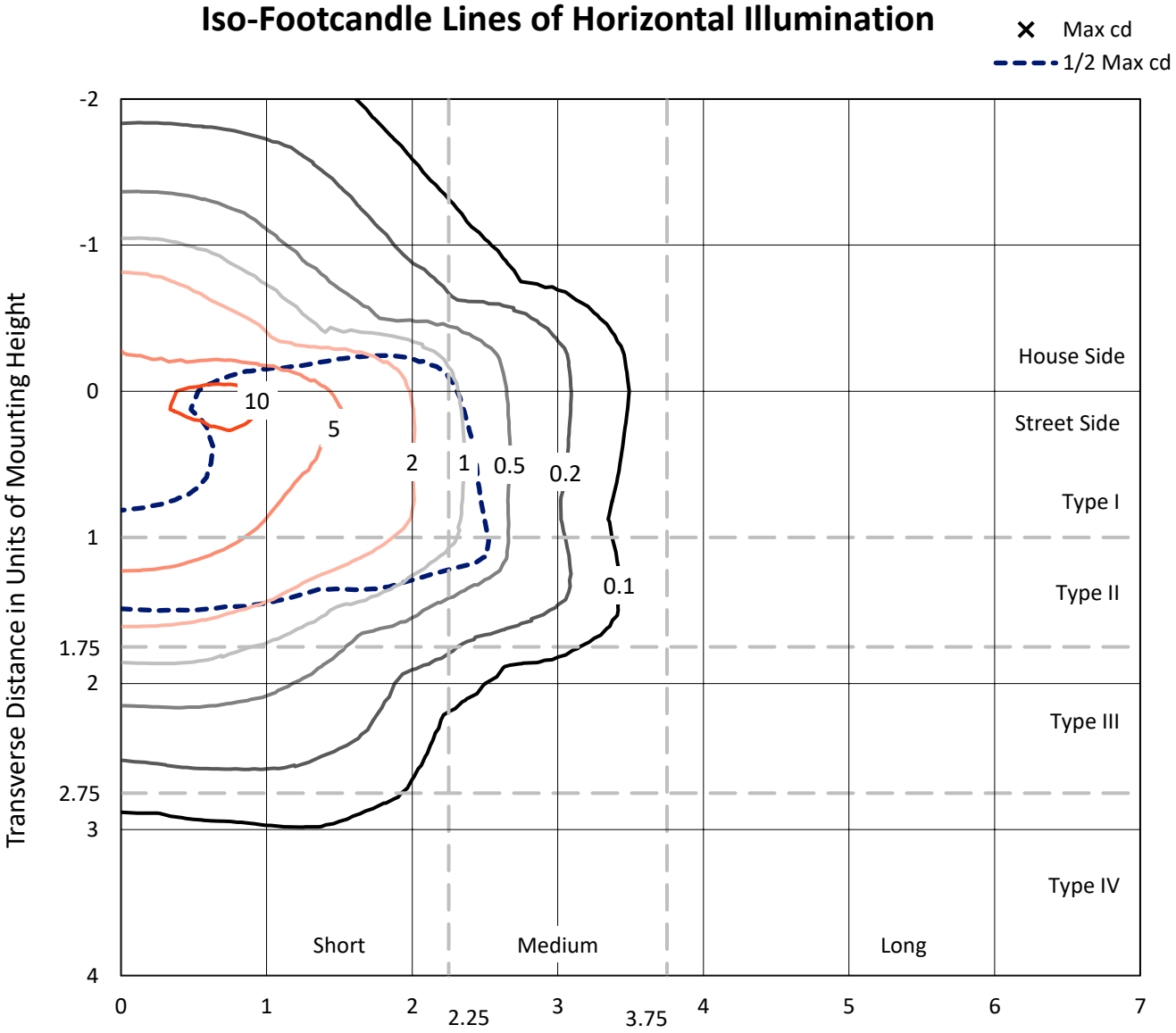
| | |
|---|---|
| Input Watts (W): | 302 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | -- |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



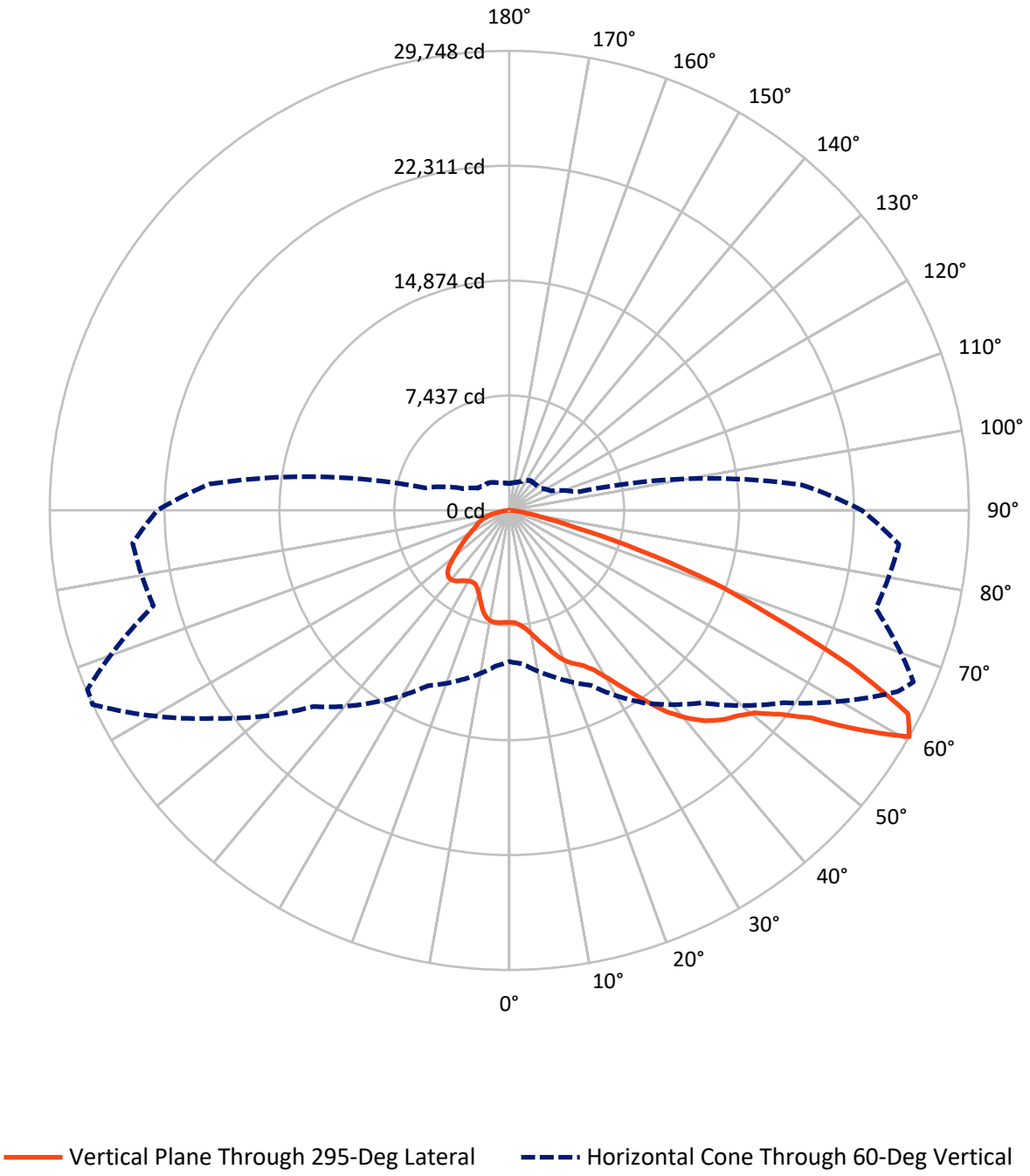

Based on 30 foot mounting height. Maximum calculated value = 12.1 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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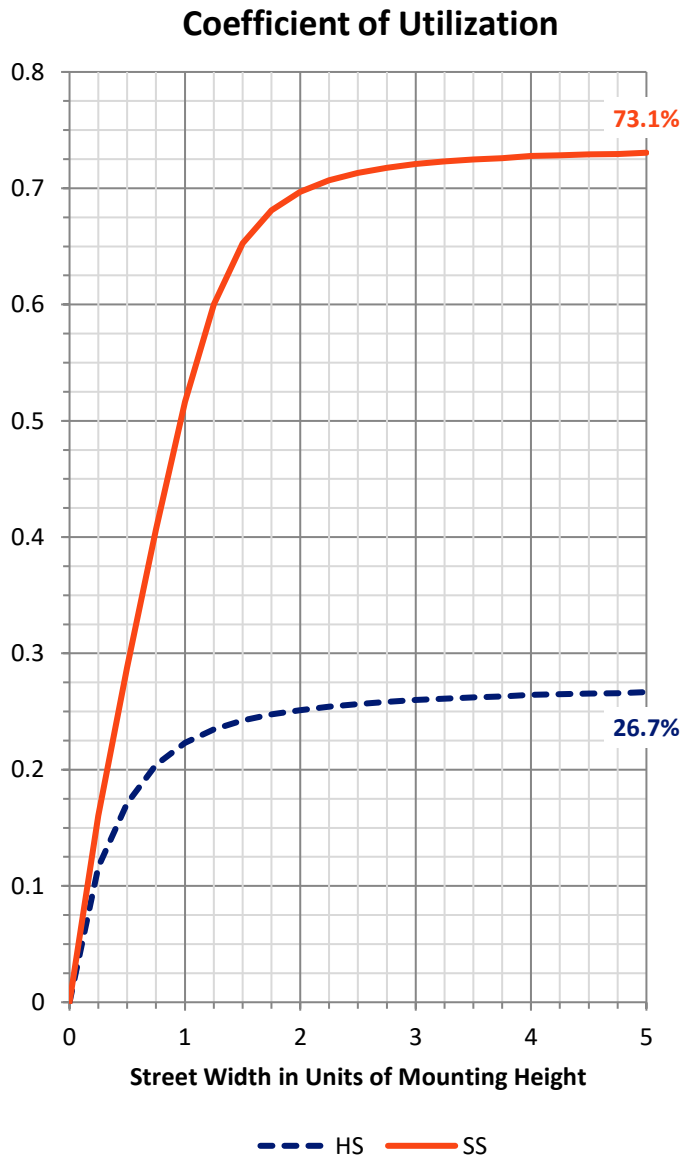
REPORT NUMBER: P1501464
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 12124.9 | 0.0 | 12124.9 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 32963.9 | 0.0 | 32963.9 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 45088.8 | 0.0 | 45088.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 682.1 | 1.5 |
| 10°-20° | 1960.8 | 4.3 |
| 20°-30° | 3714.1 | 8.2 |
| 30°-40° | 6547.8 | 14.5 |
| 40°-50° | 9683.5 | 21.5 |
| 50°-60° | 11371.1 | 25.2 |
| 60°-70° | 8238.8 | 18.3 |
| 70°-80° | 2540.8 | 5.6 |
| 80°-90° | 349.8 | 0.8 |
| 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° | 45088.8 | 100.0 |
| 0°-180° | 45088.8 | 100.0 |



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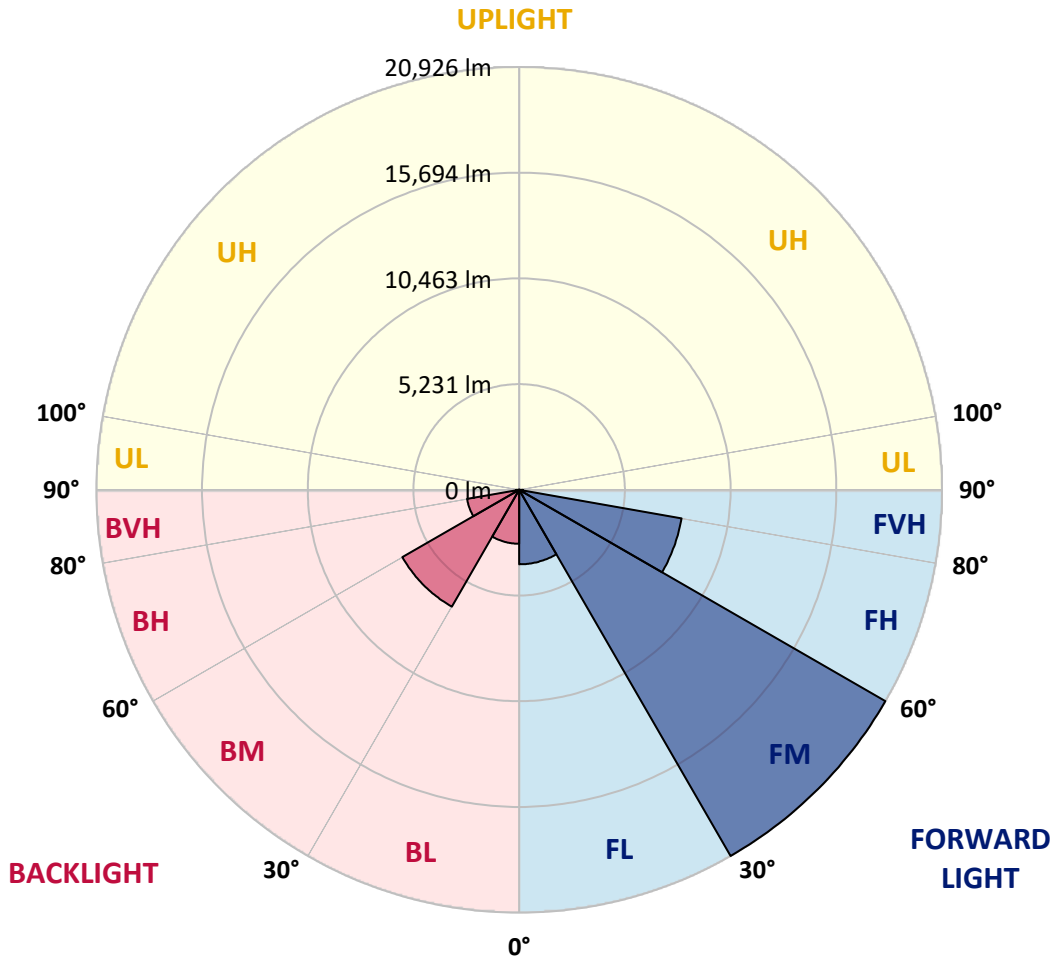
Scaled Data Report

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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°) | 3686.7 | 8.2 | | | |
| FM | (30°-60°) | 20926.0 | 46.4 | | | |
| FH | (60°-80°) | 8162.5 | 18.1 | | | G4/12000 |
| FVH | (80°-90°) | 188.7 | 0.4 | | | G2/225 |
| BL | (0°-30°) | 2670.3 | 5.9 | B4/5000 | | |
| BM | (30°-60°) | 6676.4 | 14.8 | B4/8500 | | |
| BH | (60°-80°) | 2617.2 | 5.8 | B4/5000 | | G4/5000 |
| BVH | (80°-90°) | 161.1 | 0.4 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B4-U0-G4**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 |
| 2.5° | 7398.4 | 7419.0 | 7388.2 | 7408.7 | 7408.7 | 7377.9 | 7367.6 | 7326.5 | 7347.1 | 7336.8 | 7326.5 |
| 5° | 7573.1 | 7583.4 | 7562.8 | 7593.7 | 7593.7 | 7603.9 | 7593.7 | 7542.3 | 7542.3 | 7542.3 | 7521.7 |
| 7.5° | 7521.7 | 7521.7 | 7532.0 | 7634.8 | 7737.5 | 7871.1 | 7871.1 | 7850.6 | 7871.1 | 7860.8 | 7768.4 |
| 10° | 7090.2 | 7131.3 | 7223.7 | 7480.6 | 7727.2 | 8015.0 | 8210.2 | 8271.9 | 8271.9 | 8282.1 | 8128.0 |
| 12.5° | 6319.5 | 6350.3 | 6566.1 | 6956.6 | 7470.4 | 7994.4 | 8467.1 | 8775.4 | 8806.2 | 8857.6 | 8652.1 |
| 15° | 5631.0 | 5651.6 | 5805.7 | 6206.5 | 6792.2 | 7717.0 | 8611.0 | 9248.0 | 9350.8 | 9566.6 | 9258.3 |
| 17.5° | 5692.7 | 5682.4 | 5723.5 | 5877.6 | 6298.9 | 7264.8 | 8580.1 | 9802.9 | 9987.9 | 10368.1 | 10100.9 |
| 20° | 6062.6 | 6062.6 | 6093.4 | 6124.3 | 6278.4 | 6936.0 | 8354.1 | 10255.0 | 10614.7 | 11354.5 | 11046.3 |
| 22.5° | 6648.3 | 6648.3 | 6638.0 | 6689.4 | 6689.4 | 7079.9 | 8364.3 | 10594.1 | 11128.5 | 12454.0 | 12156.0 |
| 25° | 7460.1 | 7419.0 | 7419.0 | 7439.5 | 7347.1 | 7624.5 | 8621.2 | 10943.5 | 11642.3 | 13759.0 | 13502.1 |
| 27.5° | 8374.6 | 8405.4 | 8384.9 | 8313.0 | 8189.7 | 8405.4 | 9237.8 | 11488.1 | 12217.7 | 15136.0 | 15033.2 |
| 30° | 9371.3 | 9381.6 | 9402.2 | 9361.1 | 9258.3 | 9412.4 | 10203.7 | 12310.2 | 12978.1 | 16574.5 | 16800.6 |
| 32.5° | 10347.5 | 10491.4 | 10440.0 | 10337.3 | 10378.4 | 10655.8 | 11395.6 | 13419.9 | 14108.4 | 17910.4 | 18711.9 |
| 35° | 11590.9 | 11642.3 | 11847.8 | 11467.6 | 11477.8 | 11950.5 | 12916.4 | 14879.1 | 15547.0 | 19297.6 | 20623.1 |
| 37.5° | 13399.4 | 13491.9 | 13399.4 | 12803.4 | 12710.9 | 13368.6 | 14396.1 | 16317.6 | 16800.6 | 20345.7 | 22400.8 |
| 40° | 15177.1 | 15290.1 | 15444.2 | 14745.5 | 14159.8 | 14704.4 | 15793.6 | 17417.1 | 17920.6 | 20921.1 | 23582.5 |
| 42.5° | 16646.5 | 16831.4 | 16667.0 | 16461.5 | 15927.2 | 16029.9 | 16769.8 | 18270.0 | 18773.5 | 21650.7 | 24774.5 |
| 45° | 17889.8 | 17920.6 | 17992.6 | 17848.7 | 17581.5 | 17489.1 | 17602.1 | 19020.1 | 19575.0 | 21979.5 | 25360.2 |
| 47.5° | 18403.6 | 18537.2 | 18598.8 | 18845.4 | 19122.9 | 18937.9 | 18311.1 | 19369.5 | 19873.0 | 21959.0 | 25545.1 |
| 50° | 18126.2 | 18259.7 | 18588.6 | 19174.3 | 19842.2 | 20171.0 | 19143.4 | 19852.5 | 20417.6 | 22328.9 | 25925.3 |
| 52.5° | 17396.6 | 17540.4 | 18074.8 | 18742.7 | 19862.7 | 20612.9 | 20314.9 | 20859.5 | 21404.1 | 22986.5 | 26562.4 |
| 55° | 15629.2 | 15845.0 | 16595.1 | 17704.9 | 19246.2 | 20376.5 | 21547.9 | 22339.2 | 22935.1 | 23777.7 | 27220.1 |
| 57.5° | 13060.3 | 13286.3 | 14128.9 | 15793.6 | 18105.6 | 19400.3 | 21907.6 | 25113.6 | 25380.7 | 24723.1 | 27281.7 |
| 60° | *9782.4* | *9967.3* | *11159.3* | *12495.1* | *15207.9* | *17612.4* | *21702.1* | *27744.1* | *28422.3* | *24558.7* | *25319.1* |
| 62.5° | 7747.8 | 7973.9 | 9032.3 | 9648.8 | 11590.9 | 14550.2 | 20982.8 | 28473.7 | 29059.4 | 23202.3 | 22585.8 |
| 65° | 6052.3 | 6206.5 | 7192.9 | 8076.6 | 8549.3 | 9936.5 | 17982.3 | 24908.1 | 25432.1 | 20993.0 | 18639.9 |
| 67.5° | 3997.2 | 4233.5 | 5405.0 | 6617.5 | 6864.1 | 6319.5 | 12371.8 | 19164.0 | 19410.6 | 16687.6 | 14015.9 |
| 70° | 2866.9 | 2979.9 | 3853.3 | 5148.1 | 5518.0 | 4233.5 | 6740.8 | 14509.1 | 14581.1 | 11200.4 | 9443.3 |
| 72.5° | 1952.4 | 1972.9 | 2620.3 | 3945.8 | 4398.0 | 3072.4 | 3709.5 | 9556.3 | 9309.7 | 5528.3 | 5405.0 |
| 75° | 1325.6 | 1346.1 | 1674.9 | 2630.6 | 3113.5 | 2137.3 | 2414.8 | 5209.7 | 5004.2 | 3051.9 | 3277.9 |
| 77.5° | 894.0 | 914.5 | 1150.9 | 1767.4 | 2075.7 | 1479.7 | 1767.4 | 2753.9 | 2702.5 | 2024.3 | 1757.1 |
| 80° | 678.2 | 709.0 | 852.9 | 1130.3 | 1448.9 | 863.2 | 1007.0 | 1305.0 | 1325.6 | 1078.9 | 894.0 |
| 82.5° | 380.2 | 421.3 | 513.8 | 575.4 | 935.1 | 483.0 | 483.0 | 780.9 | 750.1 | 667.9 | 483.0 |
| 85° | 164.4 | 174.7 | 205.5 | 215.8 | 380.2 | 205.5 | 174.7 | 339.1 | 349.4 | 328.8 | 154.1 |
| 87.5° | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 41.1 | 41.1 | 41.1 | 41.1 |
| 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° | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 |
| 2.5° | 7275.1 | 7336.8 | 7275.1 | 7244.3 | 7244.3 | 7192.9 | 7172.4 | 7172.4 | 7100.4 | 7131.3 | 7110.7 |
| 5° | 7439.5 | 7460.1 | 7388.2 | 7295.7 | 7172.4 | 7069.6 | 6925.8 | 6740.8 | 6627.8 | 6617.5 | 6627.8 |
| 7.5° | 7696.4 | 7706.7 | 7511.5 | 7306.0 | 6997.7 | 6627.8 | 6185.9 | 5826.3 | 5507.7 | 5456.3 | 5518.0 |
| 10° | 8056.1 | 8035.5 | 7747.8 | 7264.8 | 6617.5 | 5836.5 | 5158.4 | 4829.5 | 4644.6 | 4634.3 | 4624.0 |
| 12.5° | 8539.0 | 8405.4 | 7963.6 | 7090.2 | 5959.8 | 5055.6 | 4706.2 | 4685.7 | 4737.1 | 4778.2 | 4788.4 |
| 15° | 9093.9 | 8919.2 | 8138.3 | 6751.1 | 5291.9 | 4767.9 | 4788.4 | 4963.1 | 5024.8 | 5065.9 | 5065.9 |
| 17.5° | 9782.4 | 9556.3 | 8333.5 | 6268.1 | 4952.8 | 4829.5 | 4973.4 | 5137.8 | 5240.6 | 5281.7 | 5271.4 |
| 20° | 10696.9 | 10224.2 | 8487.6 | 5805.7 | 4860.4 | 4932.3 | 5055.6 | 5220.0 | 5322.8 | 5374.1 | 5374.1 |
| 22.5° | 11611.4 | 11025.7 | 8518.5 | 5487.2 | 4860.4 | 4942.6 | 5055.6 | 5220.0 | 5333.0 | 5384.4 | 5374.1 |
| 25° | 12854.8 | 12053.3 | 8528.7 | 5261.1 | 4870.6 | 4891.2 | 4993.9 | 5137.8 | 5302.2 | 5353.6 | 5374.1 |
| 27.5° | 14180.3 | 13183.6 | 8580.1 | 5209.7 | 4829.5 | 4819.3 | 4891.2 | 5024.8 | 5189.2 | 5322.8 | 5333.0 |
| 30° | 15824.4 | 14457.8 | 8600.7 | 5261.1 | 4839.8 | 4706.2 | 4757.6 | 4891.2 | 5065.9 | 5199.5 | 5240.6 |
| 32.5° | 17437.7 | 15639.5 | 8559.6 | 5374.1 | 4860.4 | 4634.3 | 4644.6 | 4726.8 | 4911.7 | 5004.2 | 5076.1 |
| 35° | 19143.4 | 16893.1 | 8487.6 | 5528.3 | 4870.6 | 4603.5 | 4511.0 | 4552.1 | 4675.4 | 4685.7 | 4716.5 |
| 37.5° | 20479.3 | 17828.2 | 8271.9 | 5733.8 | 4891.2 | 4490.4 | 4305.5 | 4274.6 | 4223.3 | 4120.5 | 4141.1 |
| 40° | 21578.8 | 18455.0 | 7912.2 | 5836.5 | 4839.8 | 4356.9 | 4048.6 | 3904.7 | 3709.5 | 3555.4 | 3586.2 |
| 42.5° | 22370.0 | 18876.3 | 7480.6 | 5857.1 | 4757.6 | 4130.8 | 3750.6 | 3504.0 | 3288.2 | 3123.8 | 3134.1 |
| 45° | 22719.3 | 18835.2 | 7018.2 | 5703.0 | 4562.4 | 3853.3 | 3473.2 | 3236.8 | 3000.5 | 2825.8 | 2805.2 |
| 47.5° | 22729.6 | 18434.4 | 6381.1 | 5333.0 | 4233.5 | 3534.8 | 3216.3 | 2959.4 | 2764.1 | 2640.8 | 2630.6 |
| 50° | 22811.8 | 18208.4 | 5785.2 | 4798.7 | 3802.0 | 3195.7 | 2990.2 | 2733.3 | 2620.3 | 2445.6 | 2394.2 |
| 52.5° | 23325.6 | 18578.3 | 5374.1 | 4213.0 | 3401.2 | 2949.1 | 2795.0 | 2568.9 | 2383.9 | 2270.9 | 2260.6 |
| 55° | 24157.9 | 19215.4 | 5148.1 | 3771.1 | 3021.0 | 2712.8 | 2610.0 | 2414.8 | 2250.4 | 2137.3 | 2106.5 |
| 57.5° | 24260.7 | 19544.2 | 4880.9 | 3360.1 | 2712.8 | 2527.8 | 2486.7 | 2270.9 | 2034.6 | 1952.4 | 1921.5 |
| 60° | *22822.1* | *18989.3* | *4552.1* | *2979.9* | *2486.7* | *2383.9* | *2363.4* | *2075.7* | *1880.4* | *1777.7* | *1736.6* |
| 62.5° | 20859.5 | 17602.1 | 4048.6 | 2630.6 | 2312.0 | 2240.1 | 2157.9 | 1931.8 | 1685.2 | 1572.2 | 1541.3 |
| 65° | 17047.2 | 14796.9 | 3442.3 | 2394.2 | 2137.3 | 2055.1 | 2034.6 | 1726.3 | 1561.9 | 1500.2 | 1490.0 |
| 67.5° | 12916.4 | 11888.9 | 3031.3 | 2219.5 | 1952.4 | 1921.5 | 1849.6 | 1746.9 | 1674.9 | 1603.0 | 1582.4 |
| 70° | 9135.0 | 8580.1 | 2579.2 | 1993.5 | 1767.4 | 1716.0 | 2014.0 | 1901.0 | 1644.1 | 1551.6 | 1541.3 |
| 72.5° | 5538.5 | 5384.4 | 2229.8 | 1788.0 | 1520.8 | 1603.0 | 1859.9 | 1716.0 | 1479.7 | 1366.7 | 1325.6 |
| 75° | 3493.7 | 3195.7 | 1870.2 | 1520.8 | 1212.5 | 1305.0 | 1623.5 | 1531.1 | 1274.2 | 1161.1 | 1130.3 |
| 77.5° | 1901.0 | 1767.4 | 1407.8 | 1243.3 | 955.6 | 1058.4 | 1418.0 | 1263.9 | 1017.3 | 1109.8 | 986.5 |
| 80° | 832.3 | 924.8 | 935.1 | 719.3 | 637.1 | 780.9 | 1017.3 | 986.5 | 780.9 | 791.2 | 657.6 |
| 82.5° | 400.7 | 524.1 | 606.3 | 493.2 | 359.6 | 462.4 | 678.2 | 565.2 | 524.1 | 493.2 | 472.7 |
| 85° | 123.3 | 195.2 | 267.2 | 236.3 | 164.4 | 195.2 | 318.5 | 308.3 | 369.9 | 318.5 | 298.0 |
| 87.5° | 41.1 | 41.1 | 30.8 | 30.8 | 30.8 | 41.1 | 51.4 | 30.8 | 10.3 | 10.3 | 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° | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 |
| 2.5° | 7100.4 | 7110.7 | 7110.7 | 7121.0 | 7121.0 | 7151.8 | 7192.9 | 7234.0 | 7203.2 | 7244.3 | 7254.6 |
| 5° | 6607.2 | 6658.6 | 6699.7 | 6853.8 | 6977.1 | 7079.9 | 7192.9 | 7295.7 | 7326.5 | 7347.1 | 7398.4 |
| 7.5° | 5446.1 | 5589.9 | 5857.1 | 6206.5 | 6596.9 | 6977.1 | 7234.0 | 7501.2 | 7542.3 | 7593.7 | 7665.6 |
| 10° | 4634.3 | 4695.9 | 4880.9 | 5240.6 | 5939.3 | 6689.4 | 7316.2 | 7737.5 | 7912.2 | 8015.0 | 8086.9 |
| 12.5° | 4767.9 | 4726.8 | 4695.9 | 4747.3 | 5199.5 | 6165.4 | 7264.8 | 8076.6 | 8405.4 | 8518.5 | 8611.0 |
| 15° | 5086.4 | 5045.3 | 4932.3 | 4788.4 | 4839.8 | 5610.5 | 7090.2 | 8395.2 | 8919.2 | 9104.2 | 9299.4 |
| 17.5° | 5271.4 | 5230.3 | 5137.8 | 4983.7 | 4850.1 | 5148.1 | 6761.3 | 8682.9 | 9731.0 | 9957.1 | 10234.5 |
| 20° | 5374.1 | 5333.0 | 5240.6 | 5086.4 | 4932.3 | 4973.4 | 6340.0 | 9042.5 | 10655.8 | 11015.4 | 11426.5 |
| 22.5° | 5394.7 | 5343.3 | 5240.6 | 5086.4 | 4993.9 | 4963.1 | 5939.3 | 9258.3 | 11652.5 | 12207.4 | 12680.1 |
| 25° | 5384.4 | 5291.9 | 5158.4 | 5045.3 | 4993.9 | 4983.7 | 5661.9 | 9381.6 | 12731.5 | 13615.2 | 14149.5 |
| 27.5° | 5312.5 | 5199.5 | 5065.9 | 4983.7 | 4963.1 | 5024.8 | 5538.5 | 9525.5 | 13995.4 | 15125.7 | 15978.6 |
| 30° | 5230.3 | 5065.9 | 4901.5 | 4870.6 | 4922.0 | 5117.2 | 5641.3 | 9576.9 | 15320.9 | 16769.8 | 17643.2 |
| 32.5° | 5014.5 | 4891.2 | 4726.8 | 4716.5 | 4839.8 | 5189.2 | 5877.6 | 9504.9 | 16492.3 | 18413.9 | 19513.4 |
| 35° | 4706.2 | 4634.3 | 4541.8 | 4572.6 | 4767.9 | 5250.8 | 6042.1 | 9278.9 | 17561.0 | 19944.9 | 21229.4 |
| 37.5° | 4161.6 | 4213.0 | 4264.4 | 4336.3 | 4582.9 | 5240.6 | 6114.0 | 8919.2 | 18444.7 | 21167.7 | 22811.8 |
| 40° | 3555.4 | 3730.0 | 3894.5 | 4079.4 | 4408.2 | 5158.4 | 6134.5 | 8477.4 | 18958.5 | 22092.5 | 24219.6 |
| 42.5° | 3175.2 | 3339.6 | 3545.1 | 3812.2 | 4171.9 | 4973.4 | 6114.0 | 7984.1 | 19122.9 | 22729.6 | 25113.6 |
| 45° | 2825.8 | 3021.0 | 3277.9 | 3555.4 | 3966.4 | 4706.2 | 5929.0 | 7449.8 | 19205.1 | 23027.6 | 25493.8 |
| 47.5° | 2640.8 | 2753.9 | 2990.2 | 3267.6 | 3699.2 | 4377.4 | 5569.4 | 7059.3 | 19081.8 | 23089.3 | 25956.2 |
| 50° | 2425.0 | 2579.2 | 2733.3 | 3000.5 | 3421.8 | 3966.4 | 5137.8 | 6833.3 | 19287.3 | 23695.5 | 26685.7 |
| 52.5° | 2260.6 | 2342.8 | 2507.2 | 2753.9 | 3062.1 | 3586.2 | 4726.8 | 6648.3 | 19852.5 | 24312.1 | 27446.1 |
| 55° | 2137.3 | 2229.8 | 2332.6 | 2538.1 | 2774.4 | 3206.0 | 4305.5 | 6370.9 | 20510.1 | 24969.7 | 28206.5 |
| 57.5° | 1942.1 | 2003.7 | 2147.6 | 2363.4 | 2517.5 | 2836.1 | 3812.2 | 6042.1 | 20458.7 | 24455.9 | 26891.2 |
| 60° | *1767.4* | *1829.1* | *1983.2* | *2199.0* | *2291.5* | *2507.2* | *3329.3* | *5620.8* | *19472.3* | *22781.0* | *24466.2* |
| 62.5° | 1572.2 | 1644.1 | 1829.1 | 1983.2 | 2065.4 | 2229.8 | 2825.8 | 4850.1 | 17417.1 | 20263.5 | 21630.1 |
| 65° | 1490.0 | 1531.1 | 1654.4 | 1839.3 | 1829.1 | 1983.2 | 2383.9 | 3812.2 | 14015.9 | 15485.3 | 16728.7 |
| 67.5° | 1582.4 | 1644.1 | 1623.5 | 1674.9 | 1644.1 | 1726.3 | 2137.3 | 3062.1 | 11015.4 | 11662.8 | 12382.1 |
| 70° | 1561.9 | 1705.7 | 1777.7 | 1674.9 | 1438.6 | 1531.1 | 1849.6 | 2445.6 | 7881.4 | 7819.7 | 7788.9 |
| 72.5° | 1366.7 | 1510.5 | 1716.0 | 1818.8 | 1407.8 | 1274.2 | 1603.0 | 2116.8 | 5055.6 | 5035.0 | 4552.1 |
| 75° | 1161.1 | 1263.9 | 1510.5 | 1644.1 | 1212.5 | 1027.6 | 1376.9 | 1798.2 | 3021.0 | 3062.1 | 2733.3 |
| 77.5° | 1068.7 | 1017.3 | 1263.9 | 1448.9 | 986.5 | 791.2 | 1109.8 | 1356.4 | 1664.6 | 1685.2 | 1561.9 |
| 80° | 770.7 | 739.8 | 945.4 | 1058.4 | 750.1 | 565.2 | 626.8 | 842.6 | 894.0 | 801.5 | 832.3 |
| 82.5° | 493.2 | 503.5 | 565.2 | 678.2 | 462.4 | 308.3 | 431.6 | 565.2 | 483.0 | 390.5 | 462.4 |
| 85° | 318.5 | 359.6 | 298.0 | 349.4 | 143.9 | 143.9 | 185.0 | 246.6 | 164.4 | 113.0 | 123.3 |
| 87.5° | 0.0 | 0.0 | 20.6 | 41.1 | 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: P1501464
CATALOG NUMBER: GSS-SB5D-750-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 7254.6 | 7254.6 | *7254.6* | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 | 7254.6 |
| 2.5° | 7285.4 | 7275.1 | *7275.1* | 7295.7 | 7347.1 | 7367.6 | 7398.4 | 7388.2 | 7419.0 | 7398.4 |
| 5° | 7429.3 | 7439.5 | *7470.4* | 7480.6 | 7511.5 | 7552.6 | 7562.8 | 7552.6 | 7573.1 | 7573.1 |
| 7.5° | 7717.0 | 7758.1 | *7737.5* | 7788.9 | 7747.8 | 7696.4 | 7614.2 | 7552.6 | 7501.2 | 7521.7 |
| 10° | 8199.9 | 8179.4 | *8169.1* | 8076.6 | 7891.7 | 7624.5 | 7408.7 | 7172.4 | 7131.3 | 7090.2 |
| 12.5° | 8734.3 | 8713.7 | *8713.7* | 8395.2 | 7871.1 | 7316.2 | 6823.0 | 6453.1 | 6329.8 | 6319.5 |
| 15° | 9484.4 | 9350.8 | *9227.5* | 8559.6 | 7511.5 | 6566.1 | 5990.7 | 5703.0 | 5631.0 | 5631.0 |
| 17.5° | 10419.5 | 10070.1 | *9864.6* | 8436.3 | 6925.8 | 6072.9 | 5733.8 | 5661.9 | 5641.3 | 5692.7 |
| 20° | 11580.6 | 10696.9 | *10398.9* | 8158.8 | 6710.0 | 6134.5 | 5970.1 | 5980.4 | 5990.7 | 6062.6 |
| 22.5° | 12854.8 | 11272.3 | *10779.1* | 8158.8 | 6925.8 | 6525.0 | 6442.8 | 6555.8 | 6586.7 | 6648.3 |
| 25° | 14272.8 | 11786.1 | *11118.2* | 8590.4 | 7562.8 | 7264.8 | 7162.1 | 7275.1 | 7357.3 | 7460.1 |
| 27.5° | 15865.5 | 12320.4 | *11703.9* | 9371.3 | 8384.9 | 8199.9 | 8086.9 | 8138.3 | 8251.3 | 8374.6 |
| 30° | 17293.8 | 13214.4 | *12597.9* | 10563.3 | 9504.9 | 9278.9 | 9083.6 | 9165.8 | 9289.1 | 9371.3 |
| 32.5° | 18557.7 | 14303.6 | *13779.6* | 11816.9 | 10789.4 | 10398.9 | 10183.1 | 10162.6 | 10409.2 | 10347.5 |
| 35° | 19718.9 | 15588.1 | *15084.6* | 13245.2 | 12094.4 | 11611.4 | 11323.7 | 11693.6 | 11529.2 | 11590.9 |
| 37.5° | 20633.4 | 16923.9 | *16523.2* | 14611.9 | 13450.8 | 12793.1 | 12618.4 | 13070.6 | 13327.5 | 13399.4 |
| 40° | 21383.5 | 18085.1 | *17663.8* | 15968.3 | 14694.1 | 14211.2 | 14488.6 | 15238.7 | 15207.9 | 15177.1 |
| 42.5° | 21959.0 | 19081.8 | *18619.4* | 16995.8 | 15886.1 | 15978.6 | 16194.3 | 16697.8 | 16821.2 | 16646.5 |
| 45° | 22215.8 | 19708.6 | *19338.7* | 17807.6 | 17242.5 | 17776.8 | 17869.3 | 18085.1 | 18002.8 | 17889.8 |
| 47.5° | 22513.8 | 20263.5 | *19873.0* | 18547.5 | 18711.9 | 19235.9 | 19051.0 | 18876.3 | 18578.3 | 18403.6 |
| 50° | 23017.3 | 20921.1 | *20592.3* | 19626.4 | 20222.4 | 20047.7 | 19328.4 | 18937.9 | 18331.7 | 18126.2 |
| 52.5° | 23973.0 | 22164.5 | *21917.9* | 21332.1 | 20931.4 | 19924.4 | 19051.0 | 18352.2 | 17674.0 | 17396.6 |
| 55° | 24825.8 | 23849.7 | *23705.8* | 22924.9 | 20715.6 | 19277.0 | 18105.6 | 17026.7 | 15865.5 | 15629.2 |
| 57.5° | 25319.1 | 26644.6 | *26809.0* | 23603.0 | 19729.1 | 17807.6 | 16081.3 | 14355.0 | 13255.5 | 13060.3 |
| 60° | *23849.7* | *29665.7* | *29747.9* | *23469.5* | *17951.5* | *15156.5* | *12526.0* | *11303.2* | *10121.5* | *9782.4* |
| 62.5° | 21825.4 | 29038.8 | *28966.9* | 22668.0 | 14293.4 | 11056.5 | 9515.2 | 8939.8 | 8025.2 | 7747.8 |
| 65° | 18763.2 | 24188.8 | *24271.0* | 19585.3 | 9504.9 | 7994.4 | 7994.4 | 7264.8 | 6247.6 | 6052.3 |
| 67.5° | 15290.1 | 18650.2 | *18465.3* | 12700.6 | 5836.5 | 6401.7 | 6710.0 | 5661.9 | 4233.5 | 3997.2 |
| 70° | 9936.5 | 14242.0 | *13985.1* | 7326.5 | 3668.4 | 5333.0 | 5281.7 | 4254.1 | 3031.3 | 2866.9 |
| 72.5° | 4274.6 | 8230.8 | *8754.8* | 3740.3 | 2764.1 | 4295.2 | 4213.0 | 2979.9 | 2024.3 | 1952.4 |
| 75° | 2579.2 | 4141.1 | *4511.0* | 2383.9 | 2014.0 | 3236.8 | 2918.3 | 1890.7 | 1376.9 | 1325.6 |
| 77.5° | 1633.8 | 2270.9 | *2250.4* | 1788.0 | 1510.5 | 2188.7 | 1962.6 | 1305.0 | 935.1 | 894.0 |
| 80° | 945.4 | 1120.0 | *1161.1* | 1120.0 | 1017.3 | 1561.9 | 1253.6 | 945.4 | 729.6 | 678.2 |
| 82.5° | 606.3 | 698.7 | *709.0* | 544.6 | 565.2 | 1007.0 | 678.2 | 554.9 | 421.3 | 380.2 |
| 85° | 267.2 | 298.0 | *287.7* | 185.0 | 185.0 | 411.0 | 236.3 | 226.1 | 164.4 | 164.4 |
| 87.5° | 10.3 | 20.6 | *10.3* | 10.3 | 10.3 | 41.1 | 20.6 | 30.8 | 30.8 | 30.8 |
| 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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

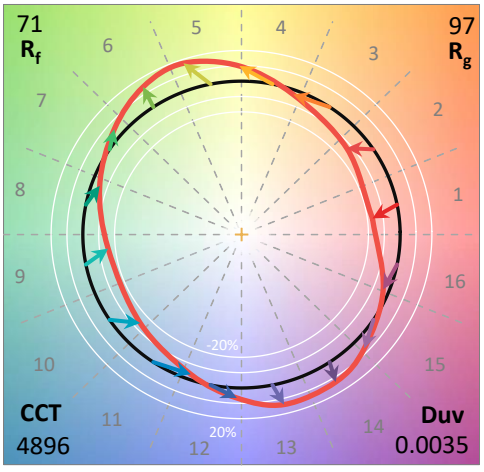
## Test Information

| | |
|---|---|
| Test Method: | LM-79-2019 |
| Report Number: | SP1-2407-184-6 |
| 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-750-U-5WQ** |
| Description: | GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5000K CCT 26 LEDS |

## Spectral Parameters

| | |
|---|---|
| CCT (K): | 4896 |
| CIE u': | 0.2101 |
| CIE v': | 0.4901 |
| Duv: | 0.0035 |
| CIE x: | 0.3489 |
| CIE y: | 0.3618 |
| CIE z: | 0.2893 |
| Peak Wavelength (nm): | 443 |
| Dominant Wavelength (nm): | 570 |
| Purity: | 13.25435 |
| Rf: | 70.7 |
| Rg: | 96.8 |

| | |
|---|---|
| CRI (Ra): | 70.2 |
| R1: | 68.1 |
| R2: | 73.9 |
| R3: | 79.4 |
| R4: | 72.1 |
| R5: | 69.2 |
| R6: | 65.7 |
| R7: | 78.1 |
| R8: | 55.3 |
| R9: | -35.1 |
| R10: | 39.3 |
| R11: | 71.1 |
| R12: | 43.8 |
| R13: | 68.1 |
| R14: | 88.4 |
| R15: | 59.7 |




## Test Conditions

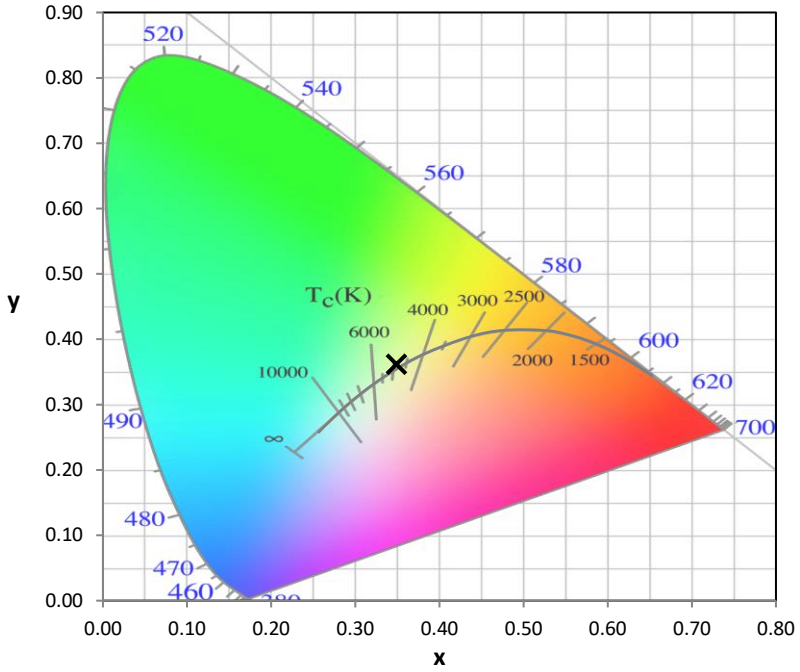
| | |
|---|---|
| Stabilization Time: | 21M |
| Operation Time: | 1H 21M |
| Sphere Temperature (°C): | 25.2 |

REPORT NUMBER: SP1-2407-184-6

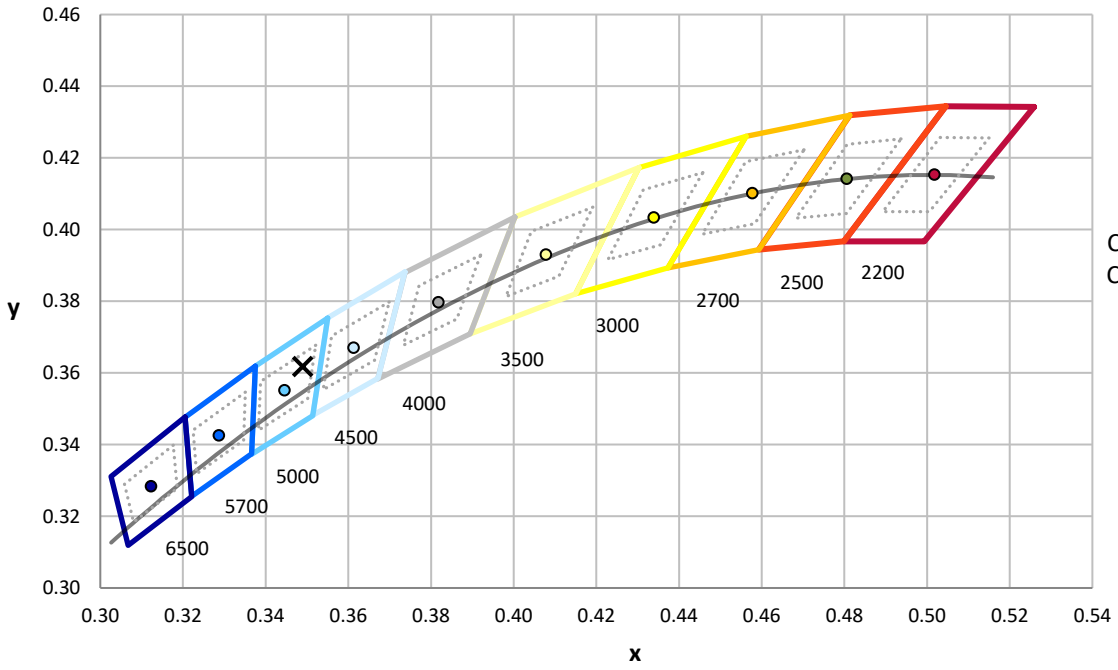
| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/18/2024 | 12/18/2024 |
| Power Meter | INXT2011004 | 2/8/2024 | 2/8/2025 |
| AC Power Source | IN0063 | 10/24/2023 | 10/24/2024 |
| DC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

**CIE 1931 Chromaticity Diagram**




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

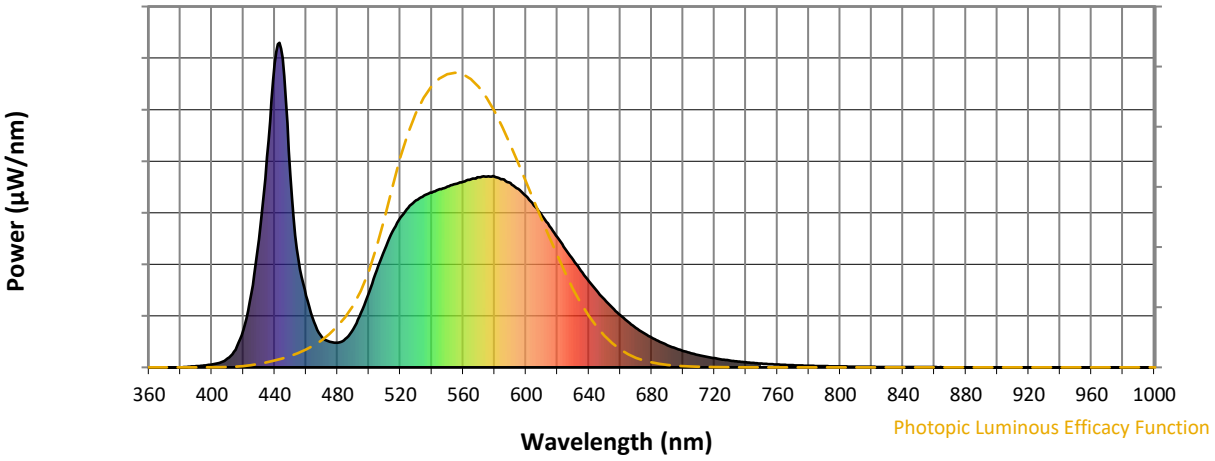



CCT = 4896K
CIE x = 0.3489
CIE y = 0.3618
Duv = 0.0035

Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

## Photopic Flux vs. Wavelength

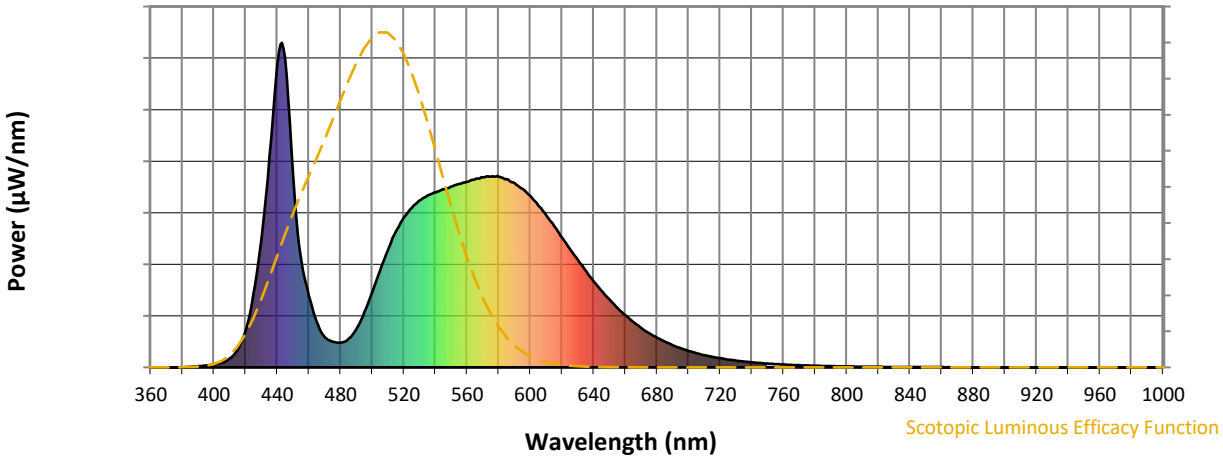



## Photopic Lumens: NR

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

## Scotopic Flux vs. Wavelength

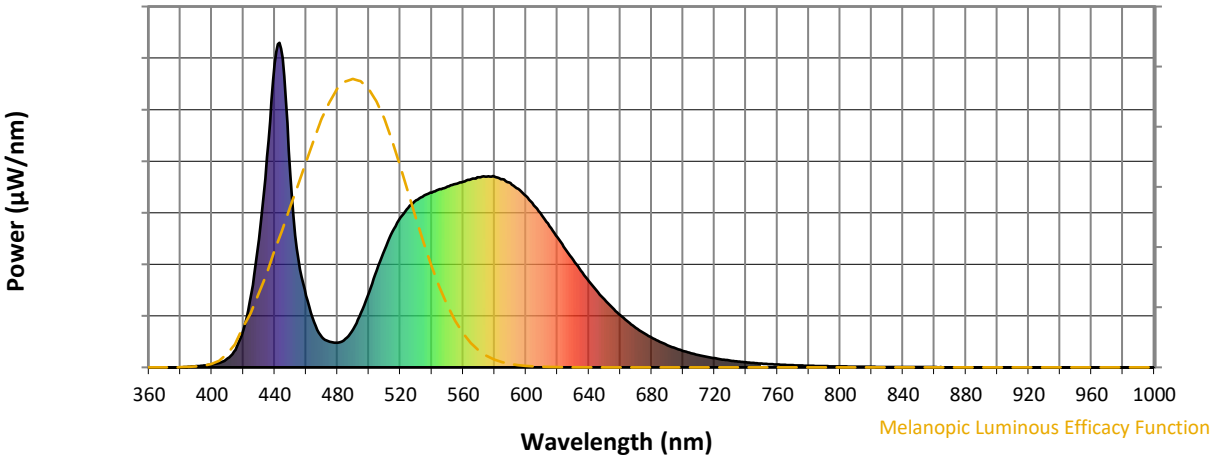



**Scotopic Lumens: NR** **S/P: 1.7**

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-6

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: NR** **M/P: 3.37**

| 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 | 118 | NR | 620 | 401 | NR | 750 | 12 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 168 | NR | 625 | 365 | NR | 755 | 10 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 230 | NR | 630 | 331 | NR | 760 | 9 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 299 | NR | 635 | 298 | NR | 765 | 8 | NR | 895 | 0 | NR |
| 380 | 0 | NR | 510 | 362 | NR | 640 | 266 | NR | 770 | 6 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 418 | NR | 645 | 236 | NR | 775 | 6 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 461 | NR | 650 | 209 | NR | 780 | 5 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 491 | NR | 655 | 184 | NR | 785 | 4 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 514 | NR | 660 | 160 | NR | 790 | 4 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 530 | NR | 665 | 140 | NR | 795 | 3 | NR | 925 | 0 | NR |
| 410 | 27 | NR | 540 | 539 | NR | 670 | 122 | NR | 800 | 3 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 549 | NR | 675 | 106 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 115 | NR | 550 | 557 | NR | 680 | 92 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 226 | NR | 555 | 565 | NR | 685 | 79 | NR | 815 | 2 | NR | 945 | 0 | NR |
| 430 | 395 | NR | 560 | 572 | NR | 690 | 68 | NR | 820 | 2 | NR | 950 | 0 | NR |
| 435 | 648 | NR | 565 | 580 | NR | 695 | 59 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 937 | NR | 570 | 586 | NR | 700 | 51 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 953 | NR | 575 | 588 | NR | 705 | 44 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 591 | NR | 580 | 588 | NR | 710 | 38 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 334 | NR | 585 | 580 | NR | 715 | 32 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 221 | NR | 590 | 568 | NR | 720 | 28 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 140 | NR | 595 | 550 | NR | 725 | 24 | NR | 855 | 1 | NR | 985 | 0 | NR |
| 470 | 93 | NR | 600 | 527 | NR | 730 | 21 | NR | 860 | 1 | NR | 990 | 0 | NR |
| 475 | 79 | NR | 605 | 499 | NR | 735 | 18 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 76 | NR | 610 | 469 | NR | 740 | 15 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 87 | NR | 615 | 435 | NR | 745 | 13 | NR | 875 | 0 | NR | | | |

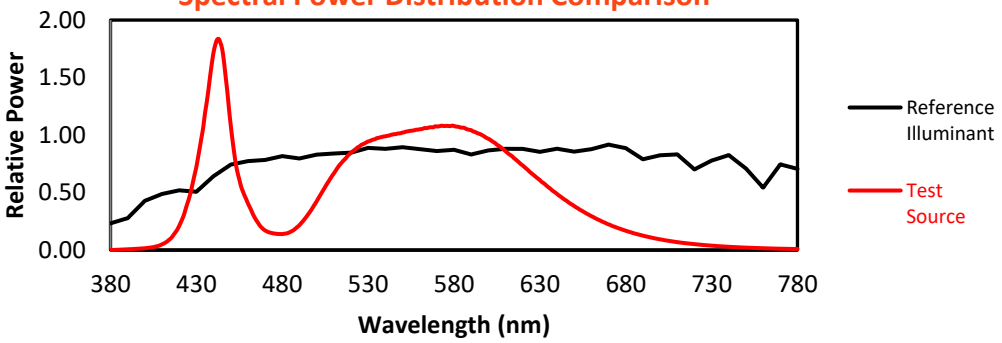
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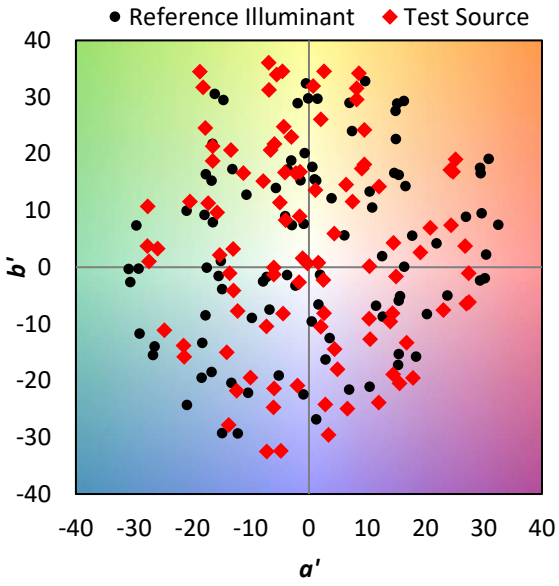
## Summary

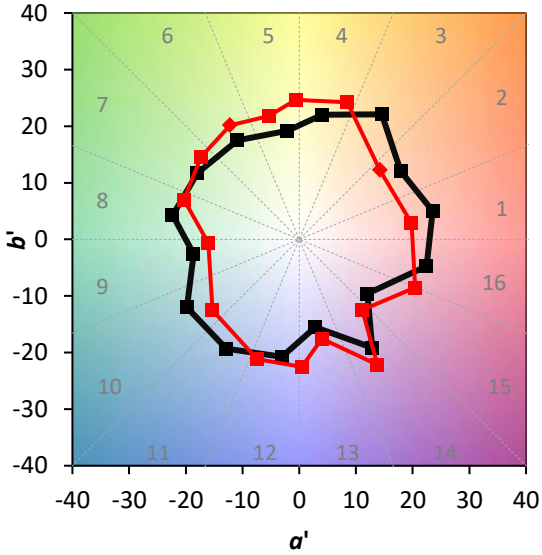
$R_f$ = 70.7
$R_g$ = 96.8
CIE $R_a$ = 70.2
$R_9$ = -35.1

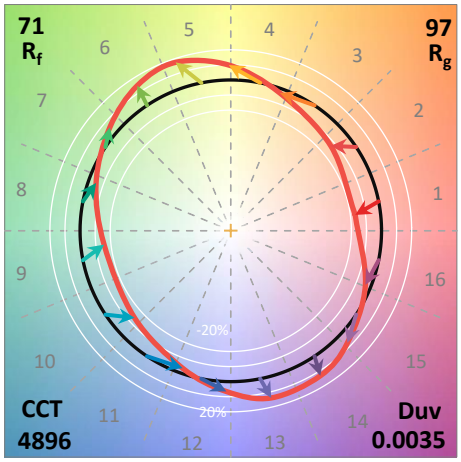
## Spectral Power Distribution Comparison

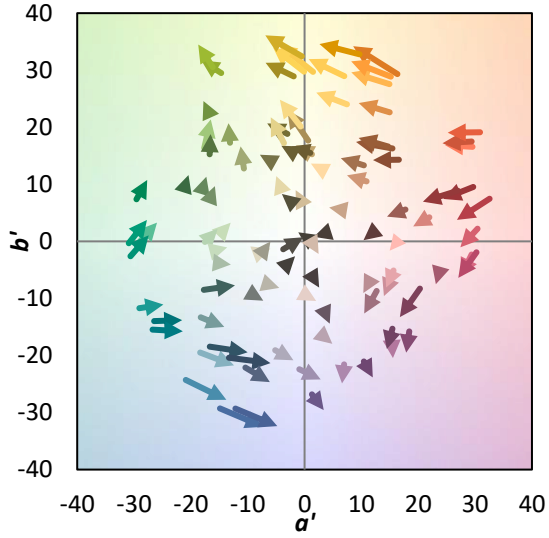



## Color Vector Graphics



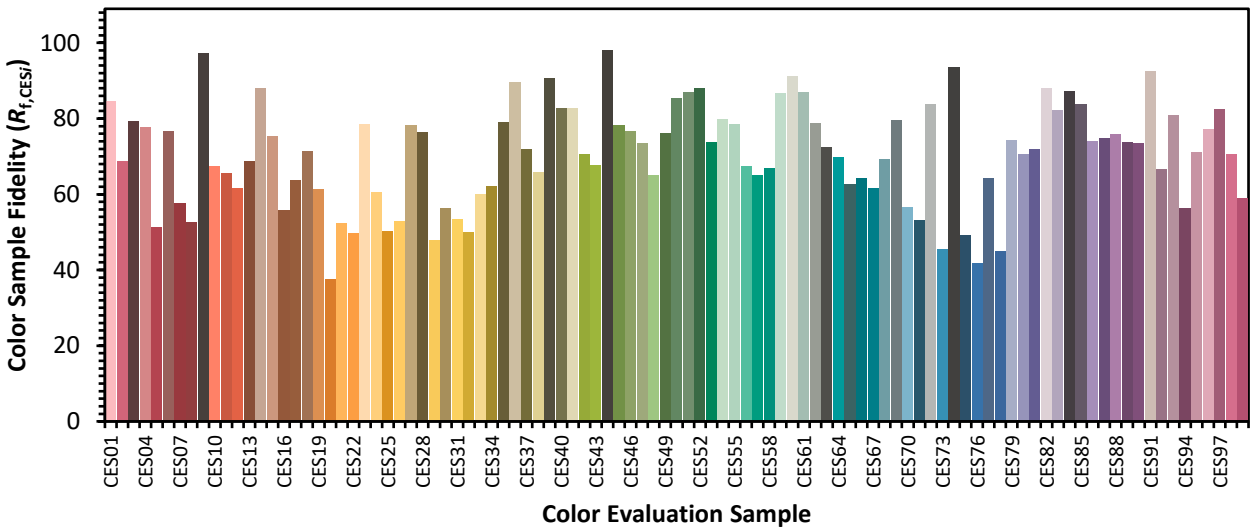



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**Individual Sample Fidelity Index ($R_{f,i}$)**

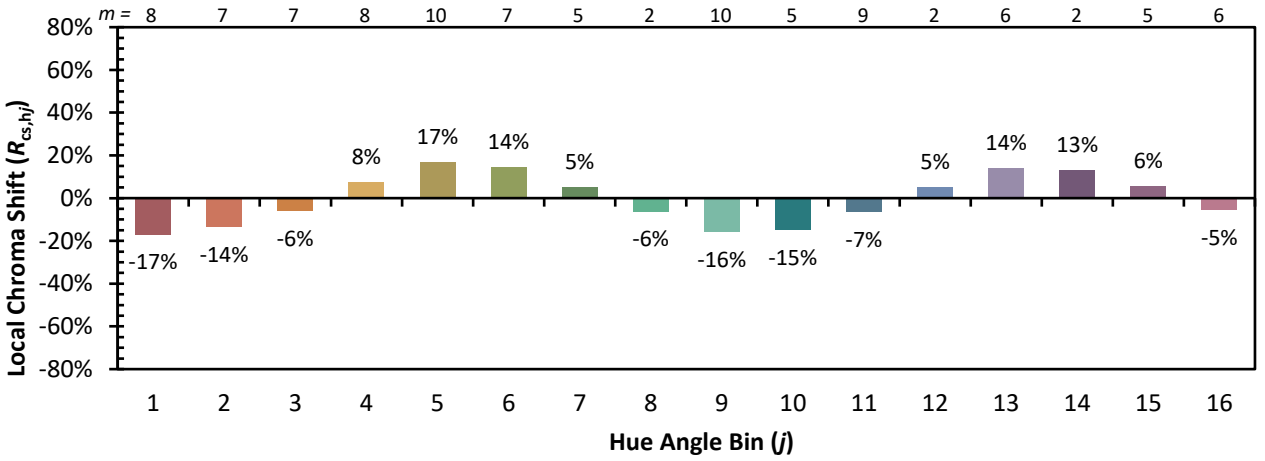
| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 53 | CES51 = 87 | CES76 = 42 |
| CES02 = 59 | CES27 = 78 | CES52 = 88 | CES77 = 64 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 45 |
| CES04 = 69 | CES29 = 48 | CES54 = 80 | CES79 = 74 |
| CES05 = 46 | CES30 = 56 | CES55 = 79 | CES80 = 71 |
| CES06 = 50 | CES31 = 54 | CES56 = 68 | CES81 = 72 |
| CES07 = 39 | CES32 = 50 | CES57 = 65 | CES82 = 88 |
| CES08 = 38 | CES33 = 60 | CES58 = 67 | CES83 = 82 |
| CES09 = 29 | CES34 = 62 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 91 | CES85 = 84 |
| CES11 = 56 | CES36 = 90 | CES61 = 87 | CES86 = 74 |
| CES12 = 61 | CES37 = 72 | CES62 = 79 | CES87 = 75 |
| CES13 = 41 | CES38 = 66 | CES63 = 72 | CES88 = 76 |
| CES14 = 74 | CES39 = 91 | CES64 = 70 | CES89 = 74 |
| CES15 = 70 | CES40 = 83 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 83 | CES66 = 64 | CES91 = 92 |
| CES17 = 49 | CES42 = 70 | CES67 = 62 | CES92 = 67 |
| CES18 = 55 | CES43 = 68 | CES68 = 69 | CES93 = 81 |
| CES19 = 71 | CES44 = 98 | CES69 = 80 | CES94 = 56 |
| CES20 = 64 | CES45 = 78 | CES70 = 56 | CES95 = 71 |
| CES21 = 85 | CES46 = 77 | CES71 = 53 | CES96 = 77 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 46 | CES98 = 71 |
| CES24 = 90 | CES49 = 76 | CES74 = 94 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |

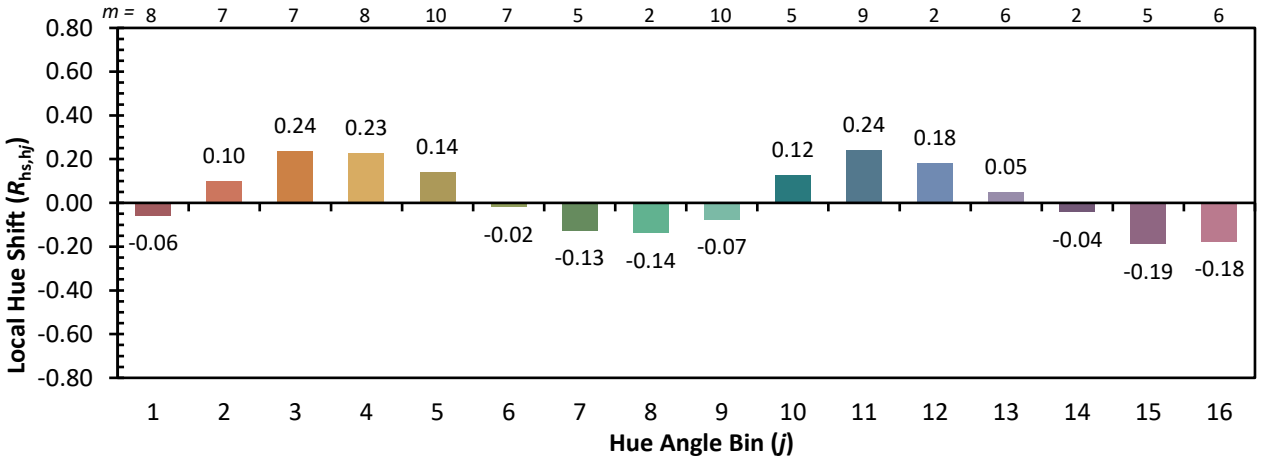


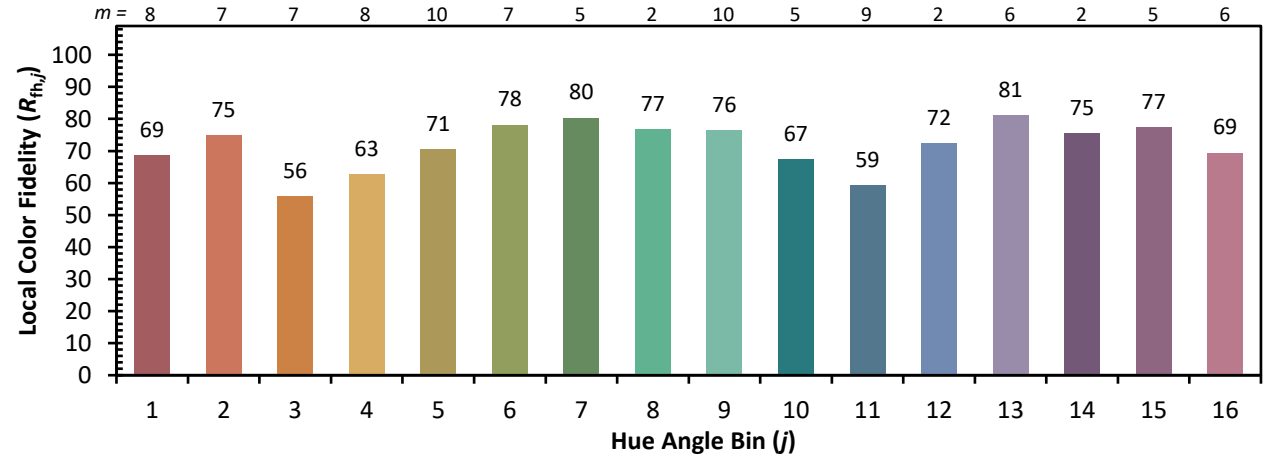
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## Color Rendition by Hue-Angle Bin



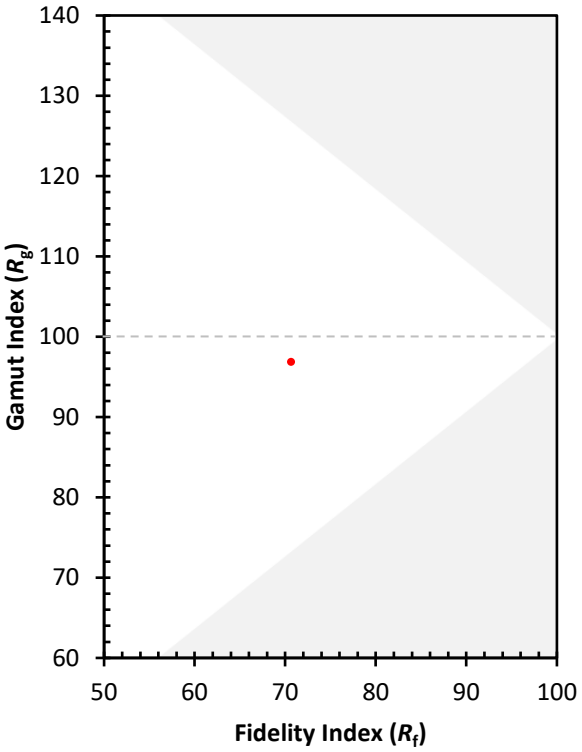



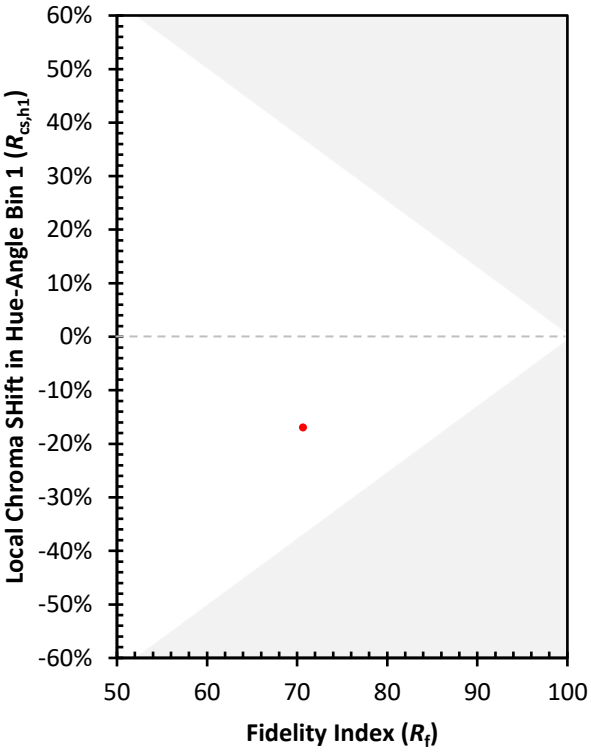



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## Measure Comparisons




(END OF REPORT)