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: P1501695

Luminaire Tested: GSS-SB3C-940-U-T2LG

Issue Date: 07/20/2026

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

Scaled Data Report

**Test Information**

| | |
|---|---|
| Test Method: | LM-79-2024 |
| Report Number: | P1501695 |
| Test Lab: | INNOVATION CENTER(G1) |
| Issue Date: | 7/20/2026 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | GSS-SB3C-940-U-T2LG |
| Description: | GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 150W 90CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE |
| Light Source: | (78) 4000K CCT, 90 CRI LEDS |
| Ballast/Driver: | ELECTRONIC DRIVER |

**Summary**

| | |
|---|---|
| Lumens per Lamp: | N/A |
| Luminaire Lumens: | 15030.9 lumens |
| Efficiency: | N/A |
| Efficacy: | 100.2 lumens/watt |
| Luminous Opening: | Rectangular (W 1.5' x L: 0.5' x H: 0') |
| IES Classification: | Type II - Short |
| BUG Rating: | B2 - U0 - G2 |

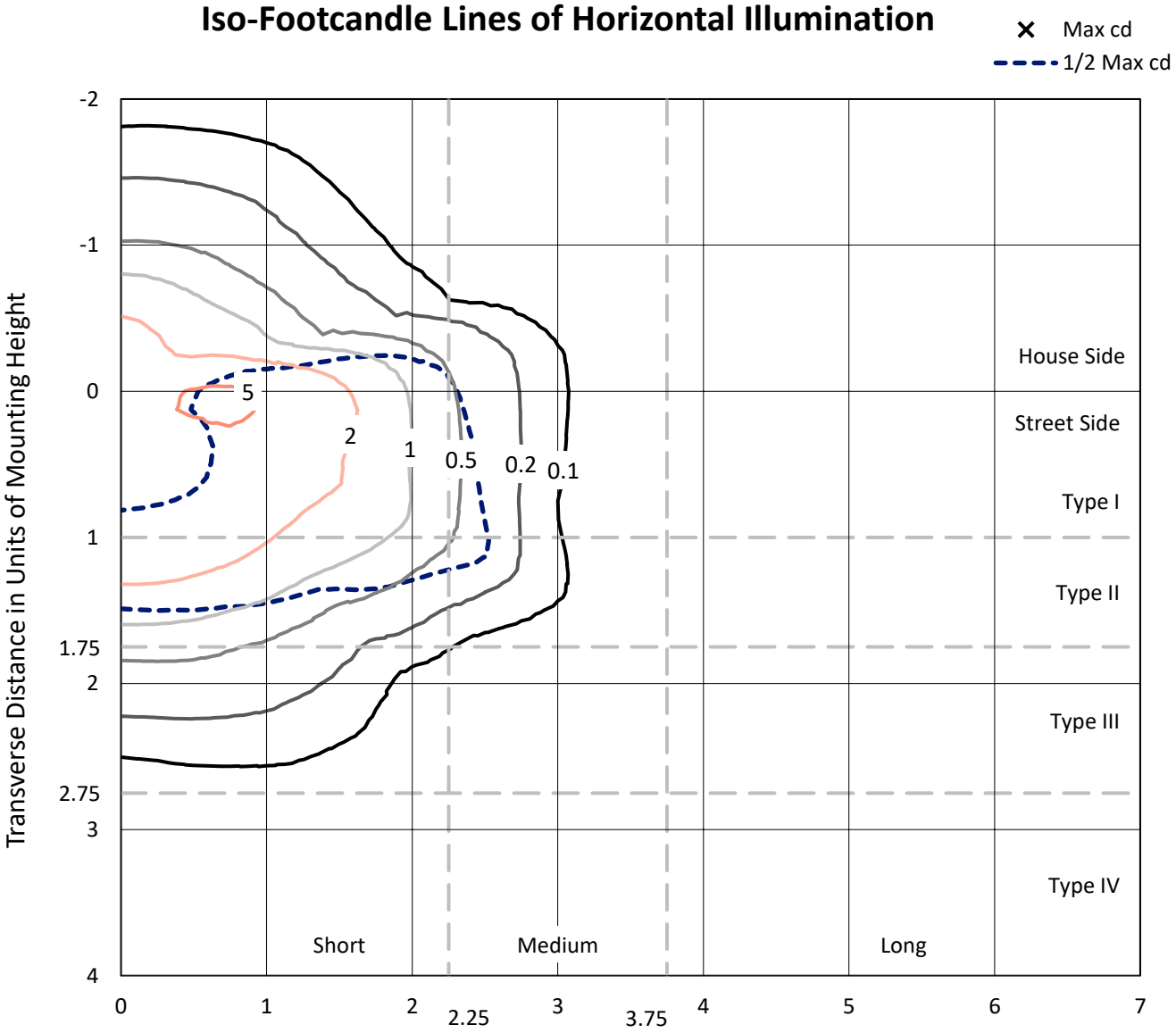
| | |
|---|---|
| Input Watts (W): | 150 |
| Input Voltage (V): | 120 |
| Input Current (Ain): | NR |
| Voltage Rise (V): | NR |
| Power Factor: | 0.98 |
| Total Harmonic Distortion (THDi): | 6.3% |
| Frequency (hertz): | 60 |
| Stabilization Time: | NR |
| Operation Time: | NR |
| Ambient Temperature (°C): | NR |
| Test Distance: | 28.75 FT |

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## Iso-Footcandle Lines of Horizontal Illumination



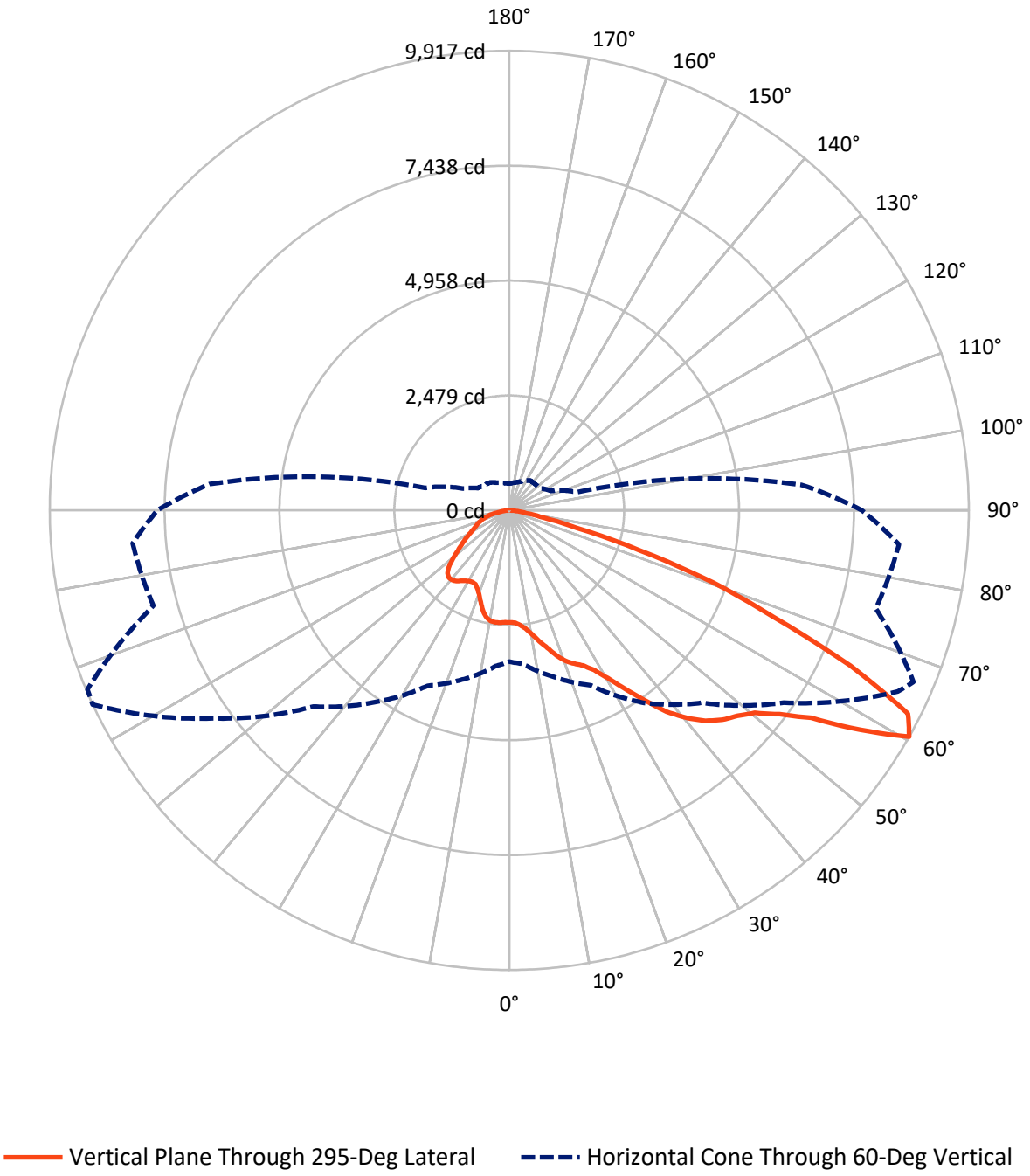

Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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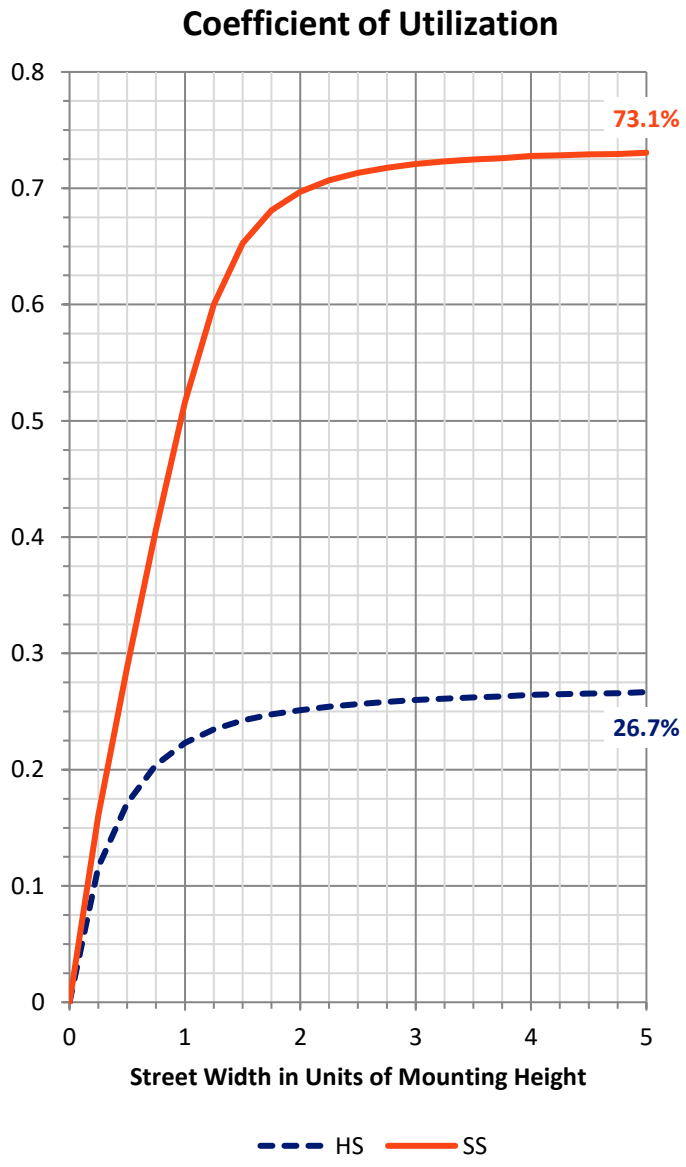
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**FLUX DISTRIBUTION:**

| | | Downward | Upward | Total |
|---|---|---|---|---|
| **House Side** | Lumens | 4042.0 | 0.0 | 4042.0 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| **Street Side** | Lumens | 10988.9 | 0.0 | 10988.9 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| **Total** | Lumens | 15030.9 | 0.0 | 15030.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

**ZONAL LUMENS:**

| Zone | Lumens | % Fixture |
|---|---|---|
| 0°-10° | 227.4 | 1.5 |
| 10°-20° | 653.7 | 4.3 |
| 20°-30° | 1238.1 | 8.2 |
| 30°-40° | 2182.8 | 14.5 |
| 40°-50° | 3228.1 | 21.5 |
| 50°-60° | 3790.7 | 25.2 |
| 60°-70° | 2746.5 | 18.3 |
| 70°-80° | 847.0 | 5.6 |
| 80°-90° | 116.6 | 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° | 15030.9 | 100.0 |
| 0°-180° | 15030.9 | 100.0 |



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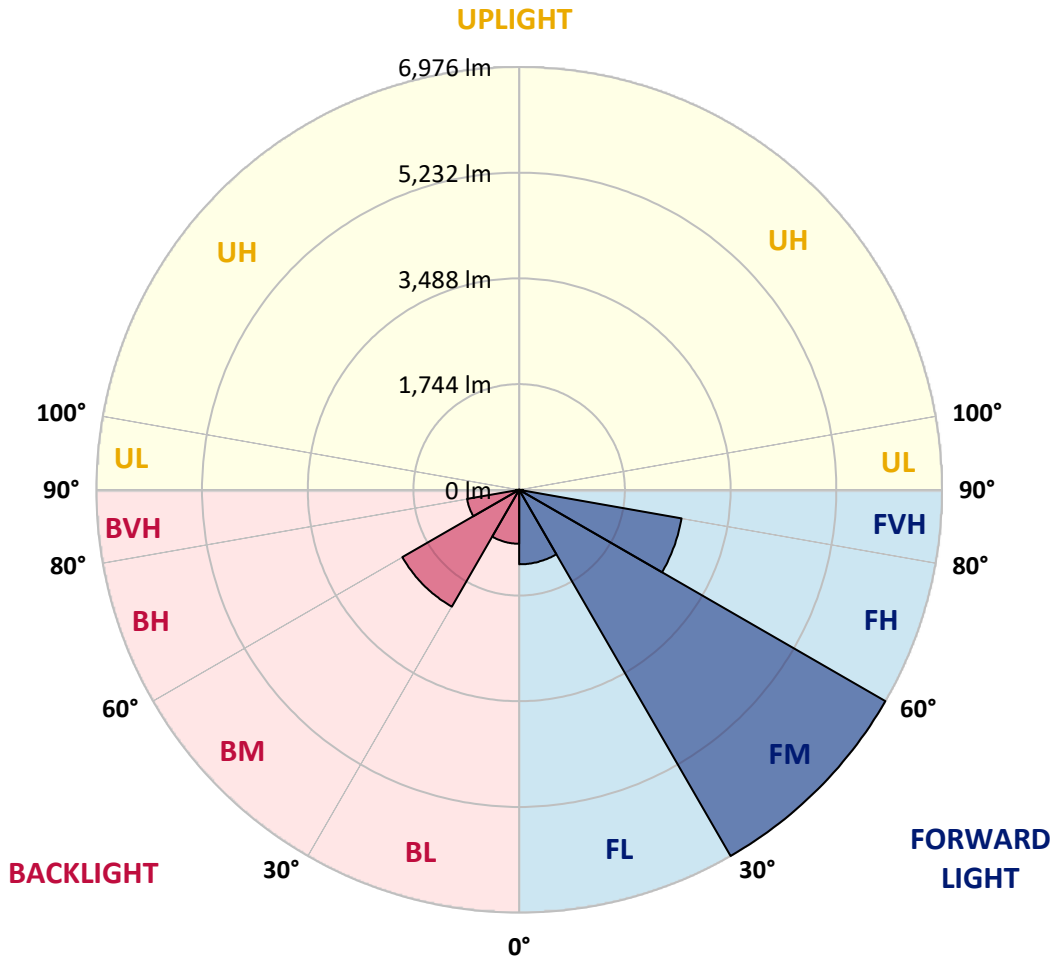
Scaled Data Report

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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°) | 1229.0 | 8.2 | | | |
| FM | (30°-60°) | 6975.9 | 46.4 | | | |
| FH | (60°-80°) | 2721.0 | 18.1 | | | G2/5000 |
| FVH | (80°-90°) | 62.9 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 890.2 | 5.9 | B2/1000 | | |
| BM | (30°-60°) | 2225.6 | 14.8 | B2/2500 | | |
| BH | (60°-80°) | 872.5 | 5.8 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 53.7 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

**BUG Rating: B2-U0-G2**
Type II Short



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**CANDELA DISTRIBUTION (FULL):**

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 67° | 75° | 85° |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 |
| 2.5° | 2466.4 | 2473.2 | 2462.9 | 2469.8 | 2469.8 | 2459.5 | 2456.1 | 2442.4 | 2449.2 | 2445.8 | 2442.4 |
| 5° | 2524.6 | 2528.0 | 2521.2 | 2531.4 | 2531.4 | 2534.9 | 2531.4 | 2514.3 | 2514.3 | 2514.3 | 2507.5 |
| 7.5° | 2507.5 | 2507.5 | 2510.9 | 2545.1 | 2579.4 | 2623.9 | 2623.9 | 2617.1 | 2623.9 | 2620.5 | 2589.7 |
| 10° | 2363.6 | 2377.3 | 2408.1 | 2493.8 | 2576.0 | 2671.9 | 2737.0 | 2757.5 | 2757.5 | 2760.9 | 2709.6 |
| 12.5° | 2106.7 | 2117.0 | 2188.9 | 2319.1 | 2490.3 | 2665.0 | 2822.6 | 2925.4 | 2935.6 | 2952.8 | 2884.3 |
| 15° | 1877.2 | 1884.0 | 1935.4 | 2069.0 | 2264.3 | 2572.5 | 2870.6 | 3082.9 | 3117.2 | 3189.1 | 3086.4 |
| 17.5° | 1897.7 | 1894.3 | 1908.0 | 1959.4 | 2099.8 | 2421.8 | 2860.3 | 3267.9 | 3329.6 | 3456.3 | 3367.3 |
| 20° | 2021.0 | 2021.0 | 2031.3 | 2041.6 | 2093.0 | 2312.2 | 2784.9 | 3418.6 | 3538.5 | 3785.2 | 3682.4 |
| 22.5° | 2216.3 | 2216.3 | 2212.9 | 2230.0 | 2230.0 | 2360.2 | 2788.4 | 3531.7 | 3709.8 | 4151.7 | 4052.4 |
| 25° | 2486.9 | 2473.2 | 2473.2 | 2480.1 | 2449.2 | 2541.7 | 2874.0 | 3648.2 | 3881.1 | 4586.7 | 4501.1 |
| 27.5° | 2791.8 | 2802.1 | 2795.2 | 2771.2 | 2730.1 | 2802.1 | 3079.5 | 3829.7 | 4072.9 | 5045.8 | 5011.5 |
| 30° | 3124.1 | 3127.5 | 3134.3 | 3120.6 | 3086.4 | 3137.8 | 3401.5 | 4103.7 | 4326.4 | 5525.3 | 5600.7 |
| 32.5° | 3449.5 | 3497.4 | 3480.3 | 3446.0 | 3459.7 | 3552.2 | 3798.9 | 4473.7 | 4703.2 | 5970.6 | 6237.8 |
| 35° | 3864.0 | 3881.1 | 3949.6 | 3822.9 | 3826.3 | 3983.9 | 4305.8 | 4960.1 | 5182.8 | 6433.1 | 6875.0 |
| 37.5° | 4466.8 | 4497.7 | 4466.8 | 4268.2 | 4237.3 | 4456.6 | 4799.1 | 5439.7 | 5600.7 | 6782.5 | 7467.6 |
| 40° | 5059.5 | 5097.1 | 5148.5 | 4915.6 | 4720.3 | 4901.9 | 5265.0 | 5806.2 | 5974.1 | 6974.3 | 7861.5 |
| 42.5° | 5549.3 | 5611.0 | 5556.2 | 5487.6 | 5309.5 | 5343.8 | 5590.4 | 6090.5 | 6258.4 | 7217.5 | 8258.9 |
| 45° | 5963.8 | 5974.1 | 5998.0 | 5950.1 | 5861.0 | 5830.2 | 5867.9 | 6340.6 | 6525.6 | 7327.1 | 8454.1 |
| 47.5° | 6135.1 | 6179.6 | 6200.1 | 6282.4 | 6374.8 | 6313.2 | 6104.2 | 6457.1 | 6624.9 | 7320.3 | 8515.8 |
| 50° | 6042.6 | 6087.1 | 6196.7 | 6392.0 | 6614.6 | 6724.2 | 6381.7 | 6618.1 | 6806.5 | 7443.6 | 8642.5 |
| 52.5° | 5799.4 | 5847.3 | 6025.4 | 6248.1 | 6621.5 | 6871.5 | 6772.2 | 6953.8 | 7135.3 | 7662.8 | 8854.9 |
| 55° | 5210.2 | 5282.1 | 5532.2 | 5902.1 | 6416.0 | 6792.8 | 7183.3 | 7447.0 | 7645.7 | 7926.6 | 9074.1 |
| 57.5° | 4353.8 | 4429.2 | 4710.1 | 5265.0 | 6035.7 | 6467.3 | 7303.2 | 8371.9 | 8461.0 | 8241.7 | 9094.7 |
| 60° | *3261.1* | *3322.7* | *3720.1* | *4165.4* | *5069.7* | *5871.3* | *7234.6* | *9248.8* | *9474.9* | *8186.9* | *8440.4* |
| 62.5° | 2582.8 | 2658.2 | 3011.0 | 3216.5 | 3864.0 | 4850.5 | 6994.9 | 9492.0 | 9687.3 | 7734.8 | 7529.2 |
| 65° | 2017.6 | 2069.0 | 2397.8 | 2692.4 | 2850.0 | 3312.5 | 5994.6 | 8303.4 | 8478.1 | 6998.3 | 6213.8 |
| 67.5° | 1332.5 | 1411.3 | 1801.8 | 2206.0 | 2288.2 | 2106.7 | 4124.3 | 6388.5 | 6470.8 | 5563.0 | 4672.4 |
| 70° | 955.7 | 993.4 | 1284.6 | 1716.2 | 1839.5 | 1411.3 | 2247.1 | 4836.8 | 4860.8 | 3733.8 | 3148.0 |
| 72.5° | 650.8 | 657.7 | 873.5 | 1315.4 | 1466.1 | 1024.2 | 1236.6 | 3185.7 | 3103.5 | 1842.9 | 1801.8 |
| 75° | 441.9 | 448.7 | 558.4 | 876.9 | 1037.9 | 712.5 | 805.0 | 1736.7 | 1668.2 | 1017.4 | 1092.7 |
| 77.5° | 298.0 | 304.9 | 383.7 | 589.2 | 691.9 | 493.3 | 589.2 | 918.0 | 900.9 | 674.8 | 585.8 |
| 80° | 226.1 | 236.4 | 284.3 | 376.8 | 483.0 | 287.7 | 335.7 | 435.0 | 441.9 | 359.7 | 298.0 |
| 82.5° | 126.7 | 140.4 | 171.3 | 191.8 | 311.7 | 161.0 | 161.0 | 260.3 | 250.1 | 222.7 | 161.0 |
| 85° | 54.8 | 58.2 | 68.5 | 71.9 | 126.7 | 68.5 | 58.2 | 113.0 | 116.5 | 109.6 | 51.4 |
| 87.5° | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 13.7 | 13.7 | 13.7 | 13.7 |
| 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° | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 |
| 2.5° | 2425.3 | 2445.8 | 2425.3 | 2415.0 | 2415.0 | 2397.8 | 2391.0 | 2391.0 | 2367.0 | 2377.3 | 2370.4 |
| 5° | 2480.1 | 2486.9 | 2462.9 | 2432.1 | 2391.0 | 2356.7 | 2308.8 | 2247.1 | 2209.4 | 2206.0 | 2209.4 |
| 7.5° | 2565.7 | 2569.1 | 2504.0 | 2435.5 | 2332.8 | 2209.4 | 2062.1 | 1942.3 | 1836.1 | 1818.9 | 1839.5 |
| 10° | 2685.6 | 2678.7 | 2582.8 | 2421.8 | 2206.0 | 1945.7 | 1719.6 | 1610.0 | 1548.3 | 1544.9 | 1541.5 |
| 12.5° | 2846.6 | 2802.1 | 2654.8 | 2363.6 | 1986.8 | 1685.3 | 1568.9 | 1562.0 | 1579.2 | 1592.9 | 1596.3 |
| 15° | 3031.6 | 2973.3 | 2713.0 | 2250.6 | 1764.1 | 1589.4 | 1596.3 | 1654.5 | 1675.1 | 1688.8 | 1688.8 |
| 17.5° | 3261.1 | 3185.7 | 2778.1 | 2089.6 | 1651.1 | 1610.0 | 1657.9 | 1712.7 | 1747.0 | 1760.7 | 1757.3 |
| 20° | 3565.9 | 3408.4 | 2829.5 | 1935.4 | 1620.3 | 1644.2 | 1685.3 | 1740.2 | 1774.4 | 1791.5 | 1791.5 |
| 22.5° | 3870.8 | 3675.6 | 2839.7 | 1829.2 | 1620.3 | 1647.7 | 1685.3 | 1740.2 | 1777.8 | 1795.0 | 1791.5 |
| 25° | 4285.3 | 4018.1 | 2843.2 | 1753.9 | 1623.7 | 1630.5 | 1664.8 | 1712.7 | 1767.6 | 1784.7 | 1791.5 |
| 27.5° | 4727.2 | 4394.9 | 2860.3 | 1736.7 | 1610.0 | 1606.6 | 1630.5 | 1675.1 | 1729.9 | 1774.4 | 1777.8 |
| 30° | 5275.3 | 4819.7 | 2867.1 | 1753.9 | 1613.4 | 1568.9 | 1586.0 | 1630.5 | 1688.8 | 1733.3 | 1747.0 |
| 32.5° | 5813.1 | 5213.6 | 2853.4 | 1791.5 | 1620.3 | 1544.9 | 1548.3 | 1575.7 | 1637.4 | 1668.2 | 1692.2 |
| 35° | 6381.7 | 5631.5 | 2829.5 | 1842.9 | 1623.7 | 1534.6 | 1503.8 | 1517.5 | 1558.6 | 1562.0 | 1572.3 |
| 37.5° | 6827.0 | 5943.2 | 2757.5 | 1911.4 | 1630.5 | 1496.9 | 1435.3 | 1425.0 | 1407.9 | 1373.6 | 1380.5 |
| 40° | 7193.5 | 6152.2 | 2637.6 | 1945.7 | 1613.4 | 1452.4 | 1349.6 | 1301.7 | 1236.6 | 1185.2 | 1195.5 |
| 42.5° | 7457.3 | 6292.6 | 2493.8 | 1952.5 | 1586.0 | 1377.0 | 1250.3 | 1168.1 | 1096.2 | 1041.4 | 1044.8 |
| 45° | 7573.8 | 6278.9 | 2339.6 | 1901.1 | 1520.9 | 1284.6 | 1157.8 | 1079.0 | 1000.2 | 942.0 | 935.2 |
| 47.5° | 7577.2 | 6145.3 | 2127.2 | 1777.8 | 1411.3 | 1178.4 | 1072.2 | 986.5 | 921.5 | 880.4 | 876.9 |
| 50° | 7604.6 | 6070.0 | 1928.6 | 1599.7 | 1267.4 | 1065.3 | 996.8 | 911.2 | 873.5 | 815.3 | 798.1 |
| 52.5° | 7775.9 | 6193.3 | 1791.5 | 1404.5 | 1133.8 | 983.1 | 931.7 | 856.4 | 794.7 | 757.0 | 753.6 |
| 55° | 8053.3 | 6405.7 | 1716.2 | 1257.2 | 1007.1 | 904.3 | 870.1 | 805.0 | 750.2 | 712.5 | 702.2 |
| 57.5° | 8087.6 | 6515.3 | 1627.1 | 1120.1 | 904.3 | 842.7 | 829.0 | 757.0 | 678.2 | 650.8 | 640.6 |
| 60° | *7608.0* | *6330.3* | *1517.5* | *993.4* | *829.0* | *794.7* | *787.9* | *691.9* | *626.9* | *592.6* | *578.9* |
| 62.5° | 6953.8 | 5867.9 | 1349.6 | 876.9 | 770.7 | 746.8 | 719.4 | 644.0 | 561.8 | 524.1 | 513.8 |
| 65° | 5682.9 | 4932.7 | 1147.5 | 798.1 | 712.5 | 685.1 | 678.2 | 575.5 | 520.7 | 500.1 | 496.7 |
| 67.5° | 4305.8 | 3963.3 | 1010.5 | 739.9 | 650.8 | 640.6 | 616.6 | 582.3 | 558.4 | 534.4 | 527.5 |
| 70° | 3045.3 | 2860.3 | 859.8 | 664.5 | 589.2 | 572.1 | 671.4 | 633.7 | 548.1 | 517.2 | 513.8 |
| 72.5° | 1846.3 | 1795.0 | 743.3 | 596.0 | 507.0 | 534.4 | 620.0 | 572.1 | 493.3 | 455.6 | 441.9 |
| 75° | 1164.7 | 1065.3 | 623.4 | 507.0 | 404.2 | 435.0 | 541.2 | 510.4 | 424.8 | 387.1 | 376.8 |
| 77.5° | 633.7 | 589.2 | 469.3 | 414.5 | 318.6 | 352.8 | 472.7 | 421.3 | 339.1 | 370.0 | 328.8 |
| 80° | 277.5 | 308.3 | 311.7 | 239.8 | 212.4 | 260.3 | 339.1 | 328.8 | 260.3 | 263.8 | 219.2 |
| 82.5° | 133.6 | 174.7 | 202.1 | 164.4 | 119.9 | 154.1 | 226.1 | 188.4 | 174.7 | 164.4 | 157.6 |
| 85° | 41.1 | 65.1 | 89.1 | 78.8 | 54.8 | 65.1 | 106.2 | 102.8 | 123.3 | 106.2 | 99.3 |
| 87.5° | 13.7 | 13.7 | 10.3 | 10.3 | 10.3 | 13.7 | 17.1 | 10.3 | 3.4 | 3.4 | 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° | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 |
| 2.5° | 2367.0 | 2370.4 | 2370.4 | 2373.9 | 2373.9 | 2384.1 | 2397.8 | 2411.5 | 2401.3 | 2415.0 | 2418.4 |
| 5° | 2202.6 | 2219.7 | 2233.4 | 2284.8 | 2325.9 | 2360.2 | 2397.8 | 2432.1 | 2442.4 | 2449.2 | 2466.4 |
| 7.5° | 1815.5 | 1863.5 | 1952.5 | 2069.0 | 2199.2 | 2325.9 | 2411.5 | 2500.6 | 2514.3 | 2531.4 | 2555.4 |
| 10° | 1544.9 | 1565.5 | 1627.1 | 1747.0 | 1979.9 | 2230.0 | 2439.0 | 2579.4 | 2637.6 | 2671.9 | 2695.9 |
| 12.5° | 1589.4 | 1575.7 | 1565.5 | 1582.6 | 1733.3 | 2055.3 | 2421.8 | 2692.4 | 2802.1 | 2839.7 | 2870.6 |
| 15° | 1695.6 | 1681.9 | 1644.2 | 1596.3 | 1613.4 | 1870.3 | 2363.6 | 2798.6 | 2973.3 | 3035.0 | 3100.1 |
| 17.5° | 1757.3 | 1743.6 | 1712.7 | 1661.4 | 1616.8 | 1716.2 | 2254.0 | 2894.5 | 3243.9 | 3319.3 | 3411.8 |
| 20° | 1791.5 | 1777.8 | 1747.0 | 1695.6 | 1644.2 | 1657.9 | 2113.5 | 3014.4 | 3552.2 | 3672.1 | 3809.2 |
| 22.5° | 1798.4 | 1781.3 | 1747.0 | 1695.6 | 1664.8 | 1654.5 | 1979.9 | 3086.4 | 3884.5 | 4069.5 | 4227.1 |
| 25° | 1795.0 | 1764.1 | 1719.6 | 1681.9 | 1664.8 | 1661.4 | 1887.4 | 3127.5 | 4244.2 | 4538.8 | 4716.9 |
| 27.5° | 1771.0 | 1733.3 | 1688.8 | 1661.4 | 1654.5 | 1675.1 | 1846.3 | 3175.4 | 4665.5 | 5042.3 | 5326.6 |
| 30° | 1743.6 | 1688.8 | 1634.0 | 1623.7 | 1640.8 | 1705.9 | 1880.6 | 3192.6 | 5107.4 | 5590.4 | 5881.6 |
| 32.5° | 1671.6 | 1630.5 | 1575.7 | 1572.3 | 1613.4 | 1729.9 | 1959.4 | 3168.6 | 5497.9 | 6138.5 | 6505.0 |
| 35° | 1568.9 | 1544.9 | 1514.1 | 1524.3 | 1589.4 | 1750.4 | 2014.2 | 3093.2 | 5854.2 | 6648.9 | 7077.1 |
| 37.5° | 1387.3 | 1404.5 | 1421.6 | 1445.6 | 1527.8 | 1747.0 | 2038.2 | 2973.3 | 6148.8 | 7056.5 | 7604.6 |
| 40° | 1185.2 | 1243.5 | 1298.3 | 1359.9 | 1469.5 | 1719.6 | 2045.0 | 2826.0 | 6320.0 | 7364.8 | 8073.9 |
| 42.5° | 1058.5 | 1113.3 | 1181.8 | 1270.9 | 1390.8 | 1657.9 | 2038.2 | 2661.6 | 6374.8 | 7577.2 | 8371.9 |
| 45° | 942.0 | 1007.1 | 1092.7 | 1185.2 | 1322.2 | 1568.9 | 1976.5 | 2483.5 | 6402.2 | 7676.5 | 8498.7 |
| 47.5° | 880.4 | 918.0 | 996.8 | 1089.3 | 1233.2 | 1459.3 | 1856.6 | 2353.3 | 6361.1 | 7697.1 | 8652.8 |
| 50° | 808.4 | 859.8 | 911.2 | 1000.2 | 1140.7 | 1322.2 | 1712.7 | 2278.0 | 6429.7 | 7899.2 | 8896.0 |
| 52.5° | 753.6 | 781.0 | 835.8 | 918.0 | 1020.8 | 1195.5 | 1575.7 | 2216.3 | 6618.1 | 8104.7 | 9149.5 |
| 55° | 712.5 | 743.3 | 777.6 | 846.1 | 924.9 | 1068.8 | 1435.3 | 2123.8 | 6837.3 | 8324.0 | 9403.0 |
| 57.5° | 647.4 | 668.0 | 715.9 | 787.9 | 839.2 | 945.4 | 1270.9 | 2014.2 | 6820.2 | 8152.7 | 8964.5 |
| 60° | *589.2* | *609.7* | *661.1* | *733.1* | *763.9* | *835.8* | *1109.9* | *1873.7* | *6491.3* | *7594.3* | *8156.1* |
| 62.5° | 524.1 | 548.1 | 609.7 | 661.1 | 688.5 | 743.3 | 942.0 | 1616.8 | 5806.2 | 6755.1 | 7210.7 |
| 65° | 496.7 | 510.4 | 551.5 | 613.2 | 609.7 | 661.1 | 794.7 | 1270.9 | 4672.4 | 5162.2 | 5576.7 |
| 67.5° | 527.5 | 548.1 | 541.2 | 558.4 | 548.1 | 575.5 | 712.5 | 1020.8 | 3672.1 | 3887.9 | 4127.7 |
| 70° | 520.7 | 568.6 | 592.6 | 558.4 | 479.6 | 510.4 | 616.6 | 815.3 | 2627.4 | 2606.8 | 2596.5 |
| 72.5° | 455.6 | 503.5 | 572.1 | 606.3 | 469.3 | 424.8 | 534.4 | 705.7 | 1685.3 | 1678.5 | 1517.5 |
| 75° | 387.1 | 421.3 | 503.5 | 548.1 | 404.2 | 342.5 | 459.0 | 599.5 | 1007.1 | 1020.8 | 911.2 |
| 77.5° | 356.3 | 339.1 | 421.3 | 483.0 | 328.8 | 263.8 | 370.0 | 452.2 | 554.9 | 561.8 | 520.7 |
| 80° | 256.9 | 246.6 | 315.1 | 352.8 | 250.1 | 188.4 | 209.0 | 280.9 | 298.0 | 267.2 | 277.5 |
| 82.5° | 164.4 | 167.8 | 188.4 | 226.1 | 154.1 | 102.8 | 143.9 | 188.4 | 161.0 | 130.2 | 154.1 |
| 85° | 106.2 | 119.9 | 99.3 | 116.5 | 48.0 | 48.0 | 61.7 | 82.2 | 54.8 | 37.7 | 41.1 |
| 87.5° | 0.0 | 0.0 | 6.9 | 13.7 | 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 |

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

Scaled Data Report

REPORT NUMBER: P1501695
CATALOG NUMBER: GSS-SB3C-940-U-T2LG

**CANDELA DISTRIBUTION (continued):**

| | 285° | 293° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|---|---|---|---|---|---|---|---|---|---|---|
| 0° | 2418.4 | 2418.4 | *2418.4* | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 | 2418.4 |
| 2.5° | 2428.7 | 2425.3 | *2425.3* | 2432.1 | 2449.2 | 2456.1 | 2466.4 | 2462.9 | 2473.2 | 2466.4 |
| 5° | 2476.6 | 2480.1 | *2490.3* | 2493.8 | 2504.0 | 2517.7 | 2521.2 | 2517.7 | 2524.6 | 2524.6 |
| 7.5° | 2572.5 | 2586.2 | *2579.4* | 2596.5 | 2582.8 | 2565.7 | 2538.3 | 2517.7 | 2500.6 | 2507.5 |
| 10° | 2733.5 | 2726.7 | *2723.3* | 2692.4 | 2630.8 | 2541.7 | 2469.8 | 2391.0 | 2377.3 | 2363.6 |
| 12.5° | 2911.7 | 2904.8 | *2904.8* | 2798.6 | 2623.9 | 2439.0 | 2274.5 | 2151.2 | 2110.1 | 2106.7 |
| 15° | 3161.7 | 3117.2 | *3076.1* | 2853.4 | 2504.0 | 2188.9 | 1997.1 | 1901.1 | 1877.2 | 1877.2 |
| 17.5° | 3473.5 | 3357.0 | *3288.5* | 2812.3 | 2308.8 | 2024.5 | 1911.4 | 1887.4 | 1880.6 | 1897.7 |
| 20° | 3860.5 | 3565.9 | *3466.6* | 2719.8 | 2236.8 | 2045.0 | 1990.2 | 1993.6 | 1997.1 | 2021.0 |
| 22.5° | 4285.3 | 3757.8 | *3593.3* | 2719.8 | 2308.8 | 2175.2 | 2147.8 | 2185.5 | 2195.7 | 2216.3 |
| 25° | 4758.0 | 3929.0 | *3706.4* | 2863.7 | 2521.2 | 2421.8 | 2387.6 | 2425.3 | 2452.7 | 2486.9 |
| 27.5° | 5289.0 | 4107.2 | *3901.6* | 3124.1 | 2795.2 | 2733.5 | 2695.9 | 2713.0 | 2750.7 | 2791.8 |
| 30° | 5765.1 | 4405.2 | *4199.7* | 3521.4 | 3168.6 | 3093.2 | 3028.1 | 3055.5 | 3096.6 | 3124.1 |
| 32.5° | 6186.4 | 4768.3 | *4593.6* | 3939.3 | 3596.8 | 3466.6 | 3394.7 | 3387.8 | 3470.0 | 3449.5 |
| 35° | 6573.5 | 5196.5 | *5028.6* | 4415.5 | 4031.8 | 3870.8 | 3774.9 | 3898.2 | 3843.4 | 3864.0 |
| 37.5° | 6878.4 | 5641.8 | *5508.2* | 4871.1 | 4484.0 | 4264.7 | 4206.5 | 4357.2 | 4442.9 | 4466.8 |
| 40° | 7128.5 | 6028.9 | *5888.4* | 5323.2 | 4898.5 | 4737.5 | 4829.9 | 5080.0 | 5069.7 | 5059.5 |
| 42.5° | 7320.3 | 6361.1 | *6207.0* | 5665.8 | 5295.8 | 5326.6 | 5398.6 | 5566.4 | 5607.5 | 5549.3 |
| 45° | 7405.9 | 6570.1 | *6446.8* | 5936.4 | 5748.0 | 5926.1 | 5956.9 | 6028.9 | 6001.5 | 5963.8 |
| 47.5° | 7505.3 | 6755.1 | *6624.9* | 6183.0 | 6237.8 | 6412.5 | 6350.9 | 6292.6 | 6193.3 | 6135.1 |
| 50° | 7673.1 | 6974.3 | *6864.7* | 6542.7 | 6741.4 | 6683.1 | 6443.4 | 6313.2 | 6111.1 | 6042.6 |
| 52.5° | 7991.7 | 7388.8 | *7306.6* | 7111.3 | 6977.7 | 6642.0 | 6350.9 | 6117.9 | 5891.9 | 5799.4 |
| 55° | 8276.0 | 7950.6 | *7902.6* | 7642.3 | 6905.8 | 6426.2 | 6035.7 | 5676.0 | 5289.0 | 5210.2 |
| 57.5° | 8440.4 | 8882.3 | *8937.1* | 7868.4 | 6577.0 | 5936.4 | 5360.9 | 4785.4 | 4418.9 | 4353.8 |
| 60° | *7950.6* | *9889.4* | *9916.8* | *7823.8* | *5984.3* | *5052.6* | *4175.7* | *3768.0* | *3374.1* | *3261.1* |
| 62.5° | 7275.8 | 9680.4 | *9656.5* | 7556.6 | 4764.9 | 3685.8 | 3172.0 | 2980.2 | 2675.3 | 2582.8 |
| 65° | 6255.0 | 8063.6 | *8091.0* | 6529.0 | 3168.6 | 2665.0 | 2665.0 | 2421.8 | 2082.7 | 2017.6 |
| 67.5° | 5097.1 | 6217.3 | *6155.6* | 4233.9 | 1945.7 | 2134.1 | 2236.8 | 1887.4 | 1411.3 | 1332.5 |
| 70° | 3312.5 | 4747.7 | *4662.1* | 2442.4 | 1222.9 | 1777.8 | 1760.7 | 1418.2 | 1010.5 | 955.7 |
| 72.5° | 1425.0 | 2743.8 | *2918.5* | 1246.9 | 921.5 | 1431.9 | 1404.5 | 993.4 | 674.8 | 650.8 |
| 75° | 859.8 | 1380.5 | *1503.8* | 794.7 | 671.4 | 1079.0 | 972.8 | 630.3 | 459.0 | 441.9 |
| 77.5° | 544.7 | 757.0 | *750.2* | 596.0 | 503.5 | 729.6 | 654.3 | 435.0 | 311.7 | 298.0 |
| 80° | 315.1 | 373.4 | *387.1* | 373.4 | 339.1 | 520.7 | 417.9 | 315.1 | 243.2 | 226.1 |
| 82.5° | 202.1 | 232.9 | *236.4* | 181.6 | 188.4 | 335.7 | 226.1 | 185.0 | 140.4 | 126.7 |
| 85° | 89.1 | 99.3 | *95.9* | 61.7 | 61.7 | 137.0 | 78.8 | 75.4 | 54.8 | 54.8 |
| 87.5° | 3.4 | 6.9 | *3.4* | 3.4 | 3.4 | 13.7 | 6.9 | 10.3 | 10.3 | 10.3 |
| 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-79-08: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

McGRAW-EDISON

Report Number: SP1-2106-271-4

Luminaire Tested: GFLD-SA1-A-940-U-WR-X-BK

Test Date: 06/15/2021

Report Generated By FNC07603 / LDUCLS01DT446
Version: v6.09

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

## Test Information

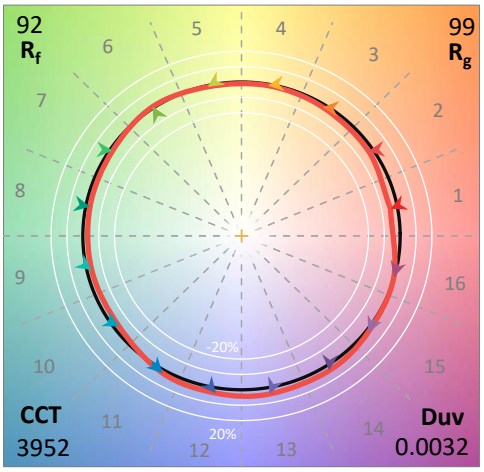
| | |
|---|---|
| Test Method: | LM-79-08 |
| Report Number: | SP1-2106-271-4 |
| Test Lab: | COOPER LIGHTING SOLUTIONS |
| Photometer: | SP1 |
| Measurement Geometry: | 4π |
| Issue Date: | 06/15/2021 |
| Manufacturer: | COOPER LIGHTING SOLUTIONS (FORMERLY EATON) |
| Product Line: | McGRAW-EDISON |
| Catalog Number: | **GFLD-SA1-A-940-U-WR-X-BK** |
| Description: | MCGRAW EDISON |

N6, BLACK

## Spectral Parameters

| | | | | | |
|---|---|---|---|---|---|
| CCT (K): | 3952 | CRI (Ra): | 92.2 | | |
| CIE u': | 0.2242 | R1: | 92.0 | R9: | 63.3 |
| CIE v': | 0.5064 | R2: | 93.7 | R10: | 84.3 |
| Duv: | 0.0032 | R3: | 94.4 | R11: | 92.7 |
| CIE x: | 0.3848 | R4: | 93.1 | R12: | 75.6 |
| CIE y: | 0.3864 | R5: | 91.2 | R13: | 92.2 |
| CIE z: | 0.2287 | R6: | 91.1 | R14: | 96.5 |
| Peak Wavelength (nm): | 614 | R7: | 95.4 | | |
| Dominant Wavelength (nm): | 577 | R8: | 86.5 | | |
| Purity: | 31.6 | | | | |

| | |
|---|---|
| Rf: | 92.2 |
| Rg: | 98.9 |




## Test Conditions

| | |
|---|---|
| Stabilization Time: | 72M |
| Operation Time: | 12H |
| Room Temperature (°C) / RH%: | 24.8/42% |
| Sphere Temperature (°C): | 24.9 |

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

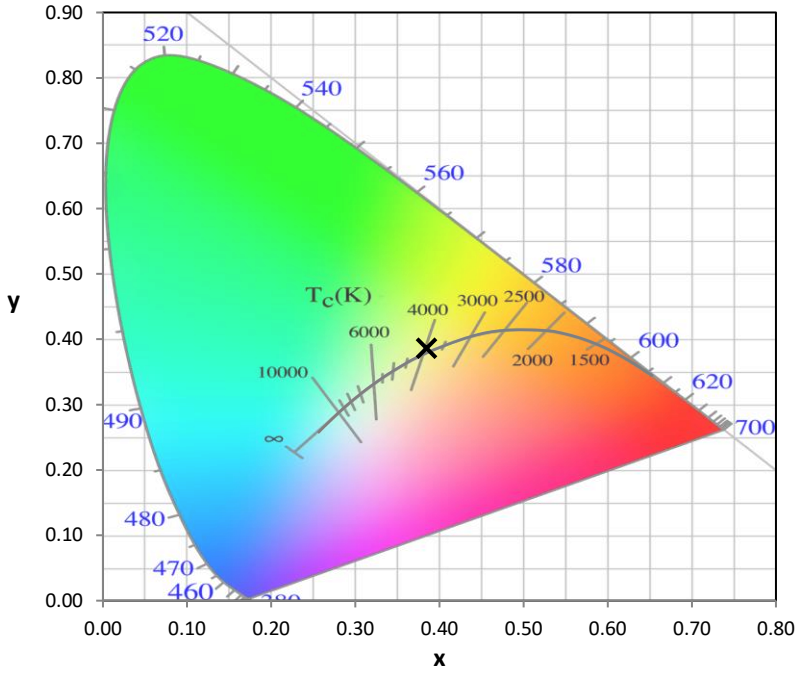
REPORT NUMBER: SP1-2106-271-4

| Measurement and Test Equipment | | | |
|---|---|---|---|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | 76INCH SPHERE IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | XITRON 2801 IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | CHROMA 61603 IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | AGILENT E3634A IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | ONSET IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | ONSET IN0046 | 12/1/2020 | 12/1/2021 |

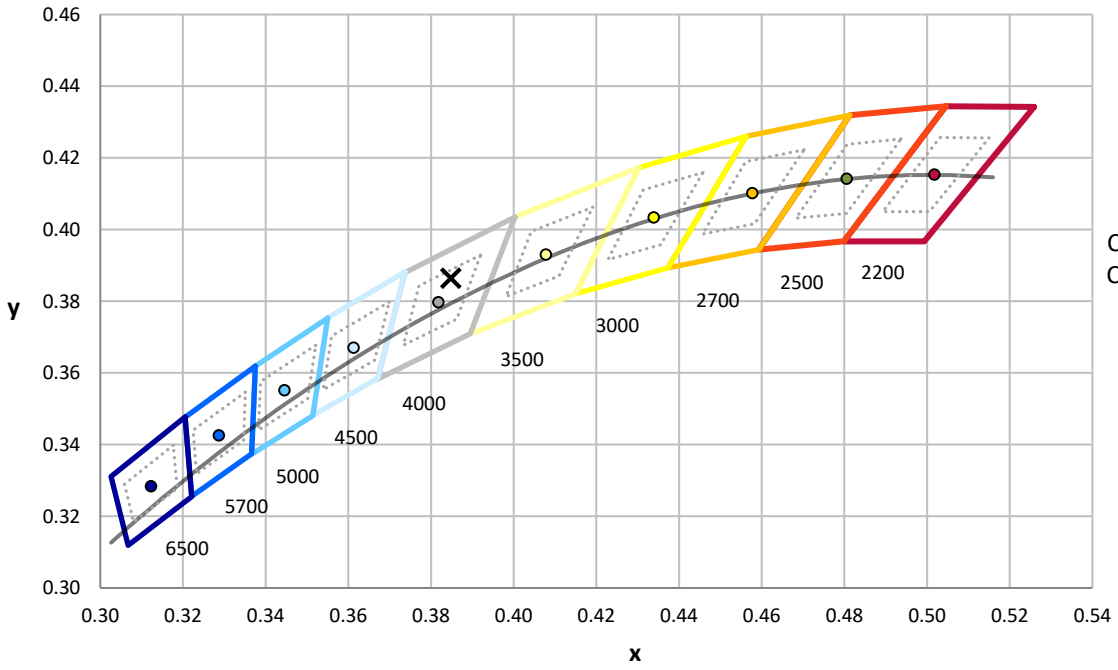
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

REPORT NUMBER: SP1-2106-271-4

## CIE 1931 Chromaticity Diagram




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



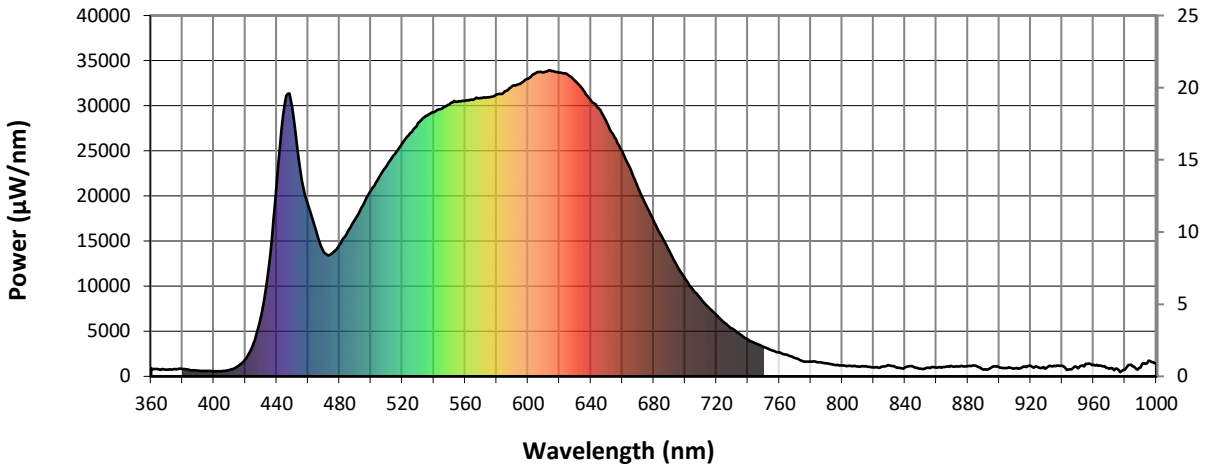

CCT = 3952K
CIE x = 0.3848
CIE y = 0.3864
Duv = 0.0032

Point lies inside the ANSI 4000K 4-step quadrangle

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

REPORT NUMBER: SP1-2106-271-4

## Photopic Flux vs. Wavelength



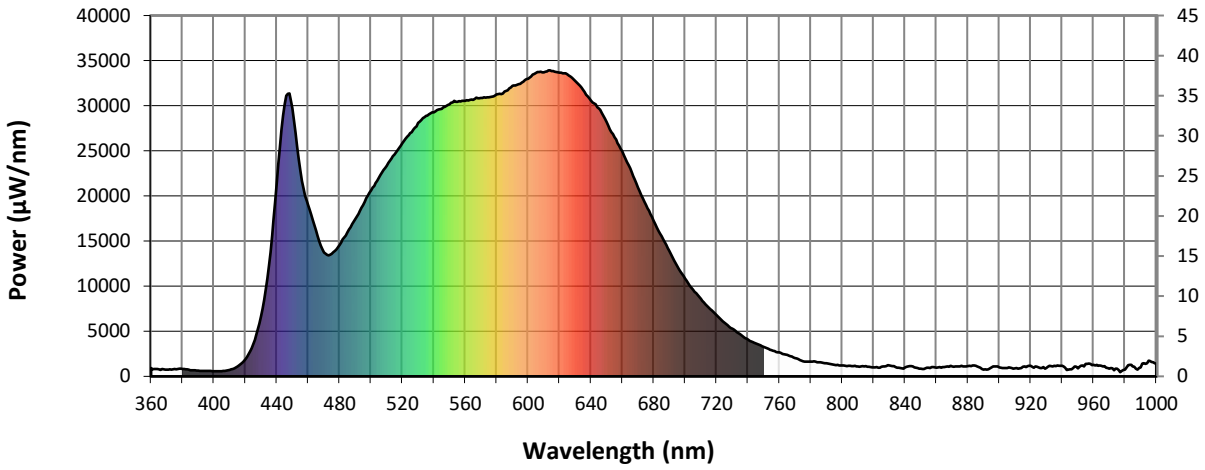

######

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 910 | NR | 490 | 17463 | NR | 620 | 33665 | NR | 750 | 3275 | NR | 880 | 1122 | NR |
| 365 | 784 | NR | 495 | 18986 | NR | 625 | 33477 | NR | 755 | 2901 | NR | 885 | 1170 | NR |
| 370 | 741 | NR | 500 | 20627 | NR | 630 | 32742 | NR | 760 | 2665 | NR | 890 | 751 | NR |
| 375 | 805 | NR | 505 | 21980 | NR | 635 | 31767 | NR | 765 | 2371 | NR | 895 | 990 | NR |
| 380 | 830 | NR | 510 | 23346 | NR | 640 | 30561 | NR | 770 | 2039 | NR | 900 | 982 | NR |
| 385 | 690 | NR | 515 | 24600 | NR | 645 | 29699 | NR | 775 | 1676 | NR | 905 | 936 | NR |
| 390 | 625 | NR | 520 | 25854 | NR | 650 | 28202 | NR | 780 | 1616 | NR | 910 | 888 | NR |
| 395 | 599 | NR | 525 | 26952 | NR | 655 | 26484 | NR | 785 | 1573 | NR | 915 | 1068 | NR |
| 400 | 568 | NR | 530 | 28081 | NR | 660 | 24930 | NR | 790 | 1452 | NR | 920 | 1179 | NR |
| 405 | 577 | NR | 535 | 28884 | NR | 665 | 23070 | NR | 795 | 1263 | NR | 925 | 1008 | NR |
| 410 | 720 | NR | 540 | 29271 | NR | 670 | 20926 | NR | 800 | 1203 | NR | 930 | 927 | NR |
| 415 | 1084 | NR | 545 | 29657 | NR | 675 | 19011 | NR | 805 | 1175 | NR | 935 | 1185 | NR |
| 420 | 1884 | NR | 550 | 30152 | NR | 680 | 17237 | NR | 810 | 1108 | NR | 940 | 1166 | NR |
| 425 | 3574 | NR | 555 | 30445 | NR | 685 | 15540 | NR | 815 | 1125 | NR | 945 | 779 | NR |
| 430 | 6636 | NR | 560 | 30559 | NR | 690 | 13894 | NR | 820 | 988 | NR | 950 | 905 | NR |
| 435 | 12267 | NR | 565 | 30663 | NR | 695 | 12196 | NR | 825 | 1070 | NR | 955 | 1369 | NR |
| 440 | 21326 | NR | 570 | 30877 | NR | 700 | 10840 | NR | 830 | 1219 | NR | 960 | 1280 | NR |
| 445 | 30150 | NR | 575 | 30916 | NR | 705 | 9613 | NR | 835 | 944 | NR | 965 | 1177 | NR |
| 450 | 29740 | NR | 580 | 31248 | NR | 710 | 8583 | NR | 840 | 983 | NR | 970 | 868 | NR |
| 455 | 22827 | NR | 585 | 31581 | NR | 715 | 7631 | NR | 845 | 1097 | NR | 975 | 843 | NR |
| 460 | 19023 | NR | 590 | 32218 | NR | 720 | 6779 | NR | 850 | 856 | NR | 980 | 744 | NR |
| 465 | 16163 | NR | 595 | 32417 | NR | 725 | 5950 | NR | 855 | 949 | NR | 985 | 1113 | NR |
| 470 | 13739 | NR | 600 | 32976 | NR | 730 | 5282 | NR | 860 | 954 | NR | 990 | 1002 | NR |
| 475 | 13571 | NR | 605 | 33620 | NR | 735 | 4673 | NR | 865 | 1019 | NR | 995 | 1732 | NR |
| 480 | 14597 | NR | 610 | 33704 | NR | 740 | 4087 | NR | 870 | 1089 | NR | 1000 | 1390 | NR |
| 485 | 15964 | NR | 615 | 33846 | NR | 745 | 3658 | NR | 875 | 1089 | NR | | | |

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

REPORT NUMBER: SP1-2106-271-4

## Scotopic Flux vs. Wavelength



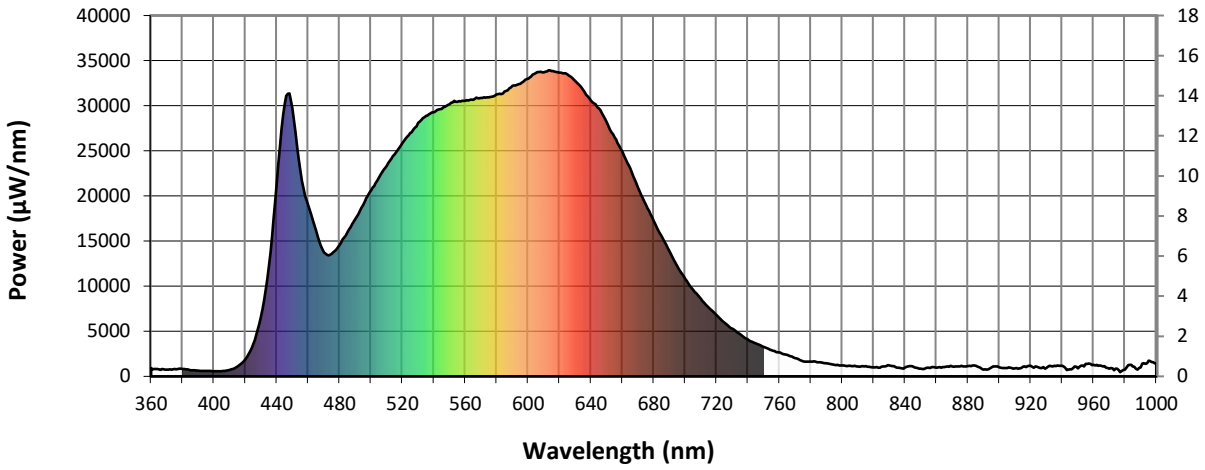

**Scotopic Lumens: 3705.7** **S/P: 1.75**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 910 | NR | 490 | 17463 | NR | 620 | 33665 | NR | 750 | 3275 | NR | 880 | 1122 | NR |
| 365 | 784 | NR | 495 | 18986 | NR | 625 | 33477 | NR | 755 | 2901 | NR | 885 | 1170 | NR |
| 370 | 741 | NR | 500 | 20627 | NR | 630 | 32742 | NR | 760 | 2665 | NR | 890 | 751 | NR |
| 375 | 805 | NR | 505 | 21980 | NR | 635 | 31767 | NR | 765 | 2371 | NR | 895 | 990 | NR |
| 380 | 830 | NR | 510 | 23346 | NR | 640 | 30561 | NR | 770 | 2039 | NR | 900 | 982 | NR |
| 385 | 690 | NR | 515 | 24600 | NR | 645 | 29699 | NR | 775 | 1676 | NR | 905 | 936 | NR |
| 390 | 625 | NR | 520 | 25854 | NR | 650 | 28202 | NR | 780 | 1616 | NR | 910 | 888 | NR |
| 395 | 599 | NR | 525 | 26952 | NR | 655 | 26484 | NR | 785 | 1573 | NR | 915 | 1068 | NR |
| 400 | 568 | NR | 530 | 28081 | NR | 660 | 24930 | NR | 790 | 1452 | NR | 920 | 1179 | NR |
| 405 | 577 | NR | 535 | 28884 | NR | 665 | 23070 | NR | 795 | 1263 | NR | 925 | 1008 | NR |
| 410 | 720 | NR | 540 | 29271 | NR | 670 | 20926 | NR | 800 | 1203 | NR | 930 | 927 | NR |
| 415 | 1084 | NR | 545 | 29657 | NR | 675 | 19011 | NR | 805 | 1175 | NR | 935 | 1185 | NR |
| 420 | 1884 | NR | 550 | 30152 | NR | 680 | 17237 | NR | 810 | 1108 | NR | 940 | 1166 | NR |
| 425 | 3574 | NR | 555 | 30445 | NR | 685 | 15540 | NR | 815 | 1125 | NR | 945 | 779 | NR |
| 430 | 6636 | NR | 560 | 30559 | NR | 690 | 13894 | NR | 820 | 988 | NR | 950 | 905 | NR |
| 435 | 12267 | NR | 565 | 30663 | NR | 695 | 12196 | NR | 825 | 1070 | NR | 955 | 1369 | NR |
| 440 | 21326 | NR | 570 | 30877 | NR | 700 | 10840 | NR | 830 | 1219 | NR | 960 | 1280 | NR |
| 445 | 30150 | NR | 575 | 30916 | NR | 705 | 9613 | NR | 835 | 944 | NR | 965 | 1177 | NR |
| 450 | 29740 | NR | 580 | 31248 | NR | 710 | 8583 | NR | 840 | 983 | NR | 970 | 868 | NR |
| 455 | 22827 | NR | 585 | 31581 | NR | 715 | 7631 | NR | 845 | 1097 | NR | 975 | 843 | NR |
| 460 | 19023 | NR | 590 | 32218 | NR | 720 | 6779 | NR | 850 | 856 | NR | 980 | 744 | NR |
| 465 | 16163 | NR | 595 | 32417 | NR | 725 | 5950 | NR | 855 | 949 | NR | 985 | 1113 | NR |
| 470 | 13739 | NR | 600 | 32976 | NR | 730 | 5282 | NR | 860 | 954 | NR | 990 | 1002 | NR |
| 475 | 13571 | NR | 605 | 33620 | NR | 735 | 4673 | NR | 865 | 1019 | NR | 995 | 1732 | NR |
| 480 | 14597 | NR | 610 | 33704 | NR | 740 | 4087 | NR | 870 | 1089 | NR | 1000 | 1390 | NR |
| 485 | 15964 | NR | 615 | 33846 | NR | 745 | 3658 | NR | 875 | 1089 | NR | | | |

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

REPORT NUMBER: SP1-2106-271-4

## Melanopic Flux vs. Wavelength




**Melanopic Lumens: 1498.3** **S/P: 0.71**

| λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) | λ (nm) | Power (µW/nm) | Lumens (ϕ/nm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 910 | NR | 490 | 17463 | NR | 620 | 33665 | NR | 750 | 3275 | NR | 880 | 1122 | NR |
| 365 | 784 | NR | 495 | 18986 | NR | 625 | 33477 | NR | 755 | 2901 | NR | 885 | 1170 | NR |
| 370 | 741 | NR | 500 | 20627 | NR | 630 | 32742 | NR | 760 | 2665 | NR | 890 | 751 | NR |
| 375 | 805 | NR | 505 | 21980 | NR | 635 | 31767 | NR | 765 | 2371 | NR | 895 | 990 | NR |
| 380 | 830 | NR | 510 | 23346 | NR | 640 | 30561 | NR | 770 | 2039 | NR | 900 | 982 | NR |
| 385 | 690 | NR | 515 | 24600 | NR | 645 | 29699 | NR | 775 | 1676 | NR | 905 | 936 | NR |
| 390 | 625 | NR | 520 | 25854 | NR | 650 | 28202 | NR | 780 | 1616 | NR | 910 | 888 | NR |
| 395 | 599 | NR | 525 | 26952 | NR | 655 | 26484 | NR | 785 | 1573 | NR | 915 | 1068 | NR |
| 400 | 568 | NR | 530 | 28081 | NR | 660 | 24930 | NR | 790 | 1452 | NR | 920 | 1179 | NR |
| 405 | 577 | NR | 535 | 28884 | NR | 665 | 23070 | NR | 795 | 1263 | NR | 925 | 1008 | NR |
| 410 | 720 | NR | 540 | 29271 | NR | 670 | 20926 | NR | 800 | 1203 | NR | 930 | 927 | NR |
| 415 | 1084 | NR | 545 | 29657 | NR | 675 | 19011 | NR | 805 | 1175 | NR | 935 | 1185 | NR |
| 420 | 1884 | NR | 550 | 30152 | NR | 680 | 17237 | NR | 810 | 1108 | NR | 940 | 1166 | NR |
| 425 | 3574 | NR | 555 | 30445 | NR | 685 | 15540 | NR | 815 | 1125 | NR | 945 | 779 | NR |
| 430 | 6636 | NR | 560 | 30559 | NR | 690 | 13894 | NR | 820 | 988 | NR | 950 | 905 | NR |
| 435 | 12267 | NR | 565 | 30663 | NR | 695 | 12196 | NR | 825 | 1070 | NR | 955 | 1369 | NR |
| 440 | 21326 | NR | 570 | 30877 | NR | 700 | 10840 | NR | 830 | 1219 | NR | 960 | 1280 | NR |
| 445 | 30150 | NR | 575 | 30916 | NR | 705 | 9613 | NR | 835 | 944 | NR | 965 | 1177 | NR |
| 450 | 29740 | NR | 580 | 31248 | NR | 710 | 8583 | NR | 840 | 983 | NR | 970 | 868 | NR |
| 455 | 22827 | NR | 585 | 31581 | NR | 715 | 7631 | NR | 845 | 1097 | NR | 975 | 843 | NR |
| 460 | 19023 | NR | 590 | 32218 | NR | 720 | 6779 | NR | 850 | 856 | NR | 980 | 744 | NR |
| 465 | 16163 | NR | 595 | 32417 | NR | 725 | 5950 | NR | 855 | 949 | NR | 985 | 1113 | NR |
| 470 | 13739 | NR | 600 | 32976 | NR | 730 | 5282 | NR | 860 | 954 | NR | 990 | 1002 | NR |
| 475 | 13571 | NR | 605 | 33620 | NR | 735 | 4673 | NR | 865 | 1019 | NR | 995 | 1732 | NR |
| 480 | 14597 | NR | 610 | 33704 | NR | 740 | 4087 | NR | 870 | 1089 | NR | 1000 | 1390 | NR |
| 485 | 15964 | NR | 615 | 33846 | NR | 745 | 3658 | NR | 875 | 1089 | NR | | | |

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Peachtree City, GA 30269

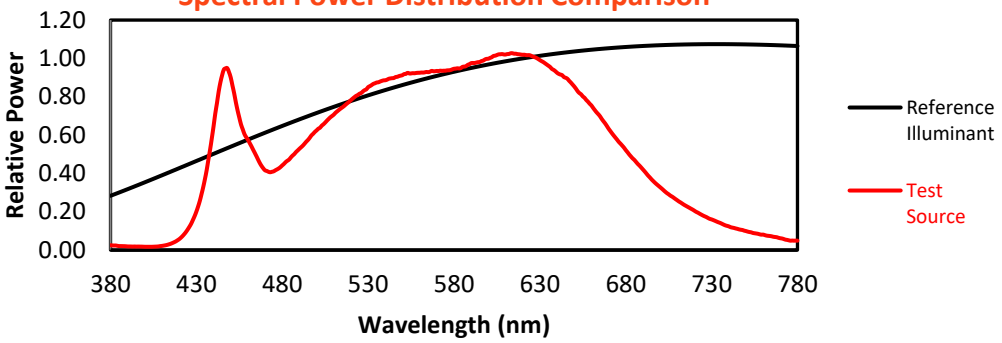
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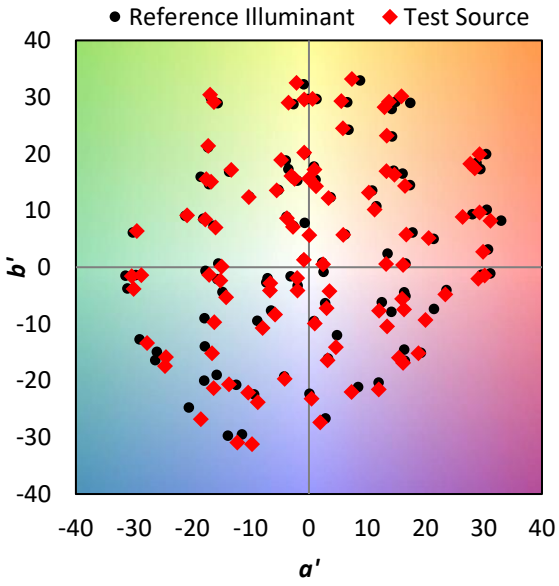
## Summary

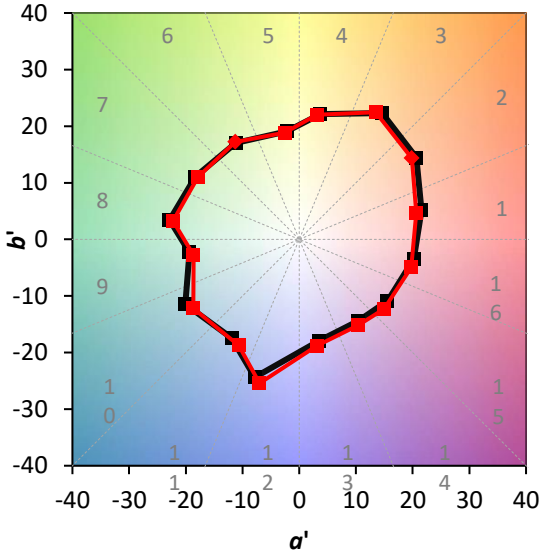
$R_f$ = 92.2
$R_g$ = 98.9
CIE $R_a$ = 92.2
$R_9$ = 63.3

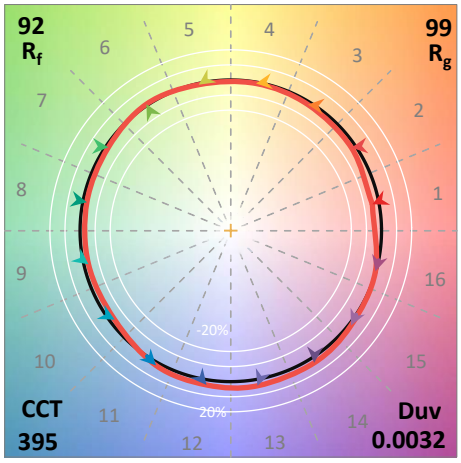
## Spectral Power Distribution Comparison

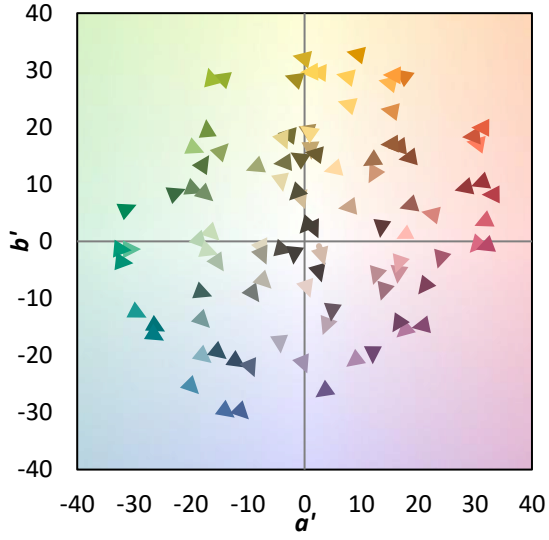



## Color Vector Graphics



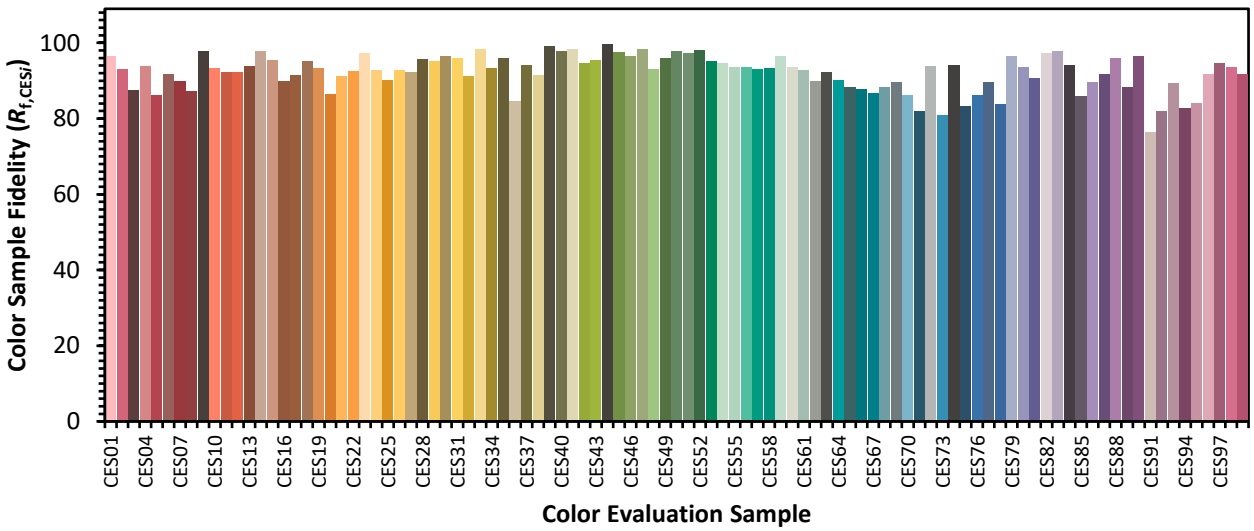
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**Individual Sample Fidelity Index ($R_{f,i}$)**

| | | | |
|---|---|---|---|
| CES01 = 85 | CES26 = 93 | CES51 = 97 | CES76 = 86 |
| CES02 = 61 | CES27 = 92 | CES52 = 98 | CES77 = 90 |
| CES03 = 31 | CES28 = 96 | CES53 = 95 | CES78 = 84 |
| CES04 = 69 | CES29 = 95 | CES54 = 95 | CES79 = 97 |
| CES05 = 49 | CES30 = 97 | CES55 = 94 | CES80 = 94 |
| CES06 = 50 | CES31 = 96 | CES56 = 94 | CES81 = 91 |
| CES07 = 42 | CES32 = 91 | CES57 = 93 | CES82 = 97 |
| CES08 = 41 | CES33 = 98 | CES58 = 93 | CES83 = 98 |
| CES09 = 29 | CES34 = 93 | CES59 = 96 | CES84 = 94 |
| CES10 = 74 | CES35 = 96 | CES60 = 94 | CES85 = 86 |
| CES11 = 57 | CES36 = 85 | CES61 = 93 | CES86 = 90 |
| CES12 = 63 | CES37 = 94 | CES62 = 90 | CES87 = 92 |
| CES13 = 43 | CES38 = 91 | CES63 = 92 | CES88 = 96 |
| CES14 = 74 | CES39 = 99 | CES64 = 90 | CES89 = 88 |
| CES15 = 71 | CES40 = 98 | CES65 = 88 | CES90 = 96 |
| CES16 = 47 | CES41 = 98 | CES66 = 88 | CES91 = 76 |
| CES17 = 49 | CES42 = 95 | CES67 = 87 | CES92 = 82 |
| CES18 = 56 | CES43 = 95 | CES68 = 88 | CES93 = 89 |
| CES19 = 71 | CES44 = 100 | CES69 = 90 | CES94 = 83 |
| CES20 = 66 | CES45 = 97 | CES70 = 86 | CES95 = 84 |
| CES21 = 85 | CES46 = 97 | CES71 = 82 | CES96 = 92 |
| CES22 = 78 | CES47 = 98 | CES72 = 94 | CES97 = 95 |
| CES23 = 91 | CES48 = 93 | CES73 = 81 | CES98 = 93 |
| CES24 = 90 | CES49 = 96 | CES74 = 94 | CES99 = 92 |
| CES25 = 71 | CES50 = 98 | CES75 = 83 | |

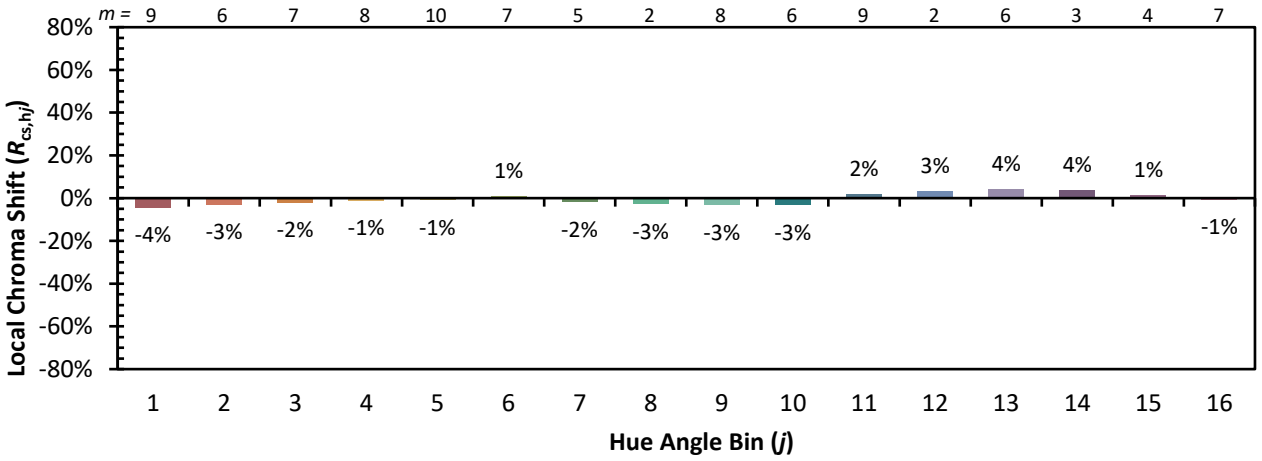


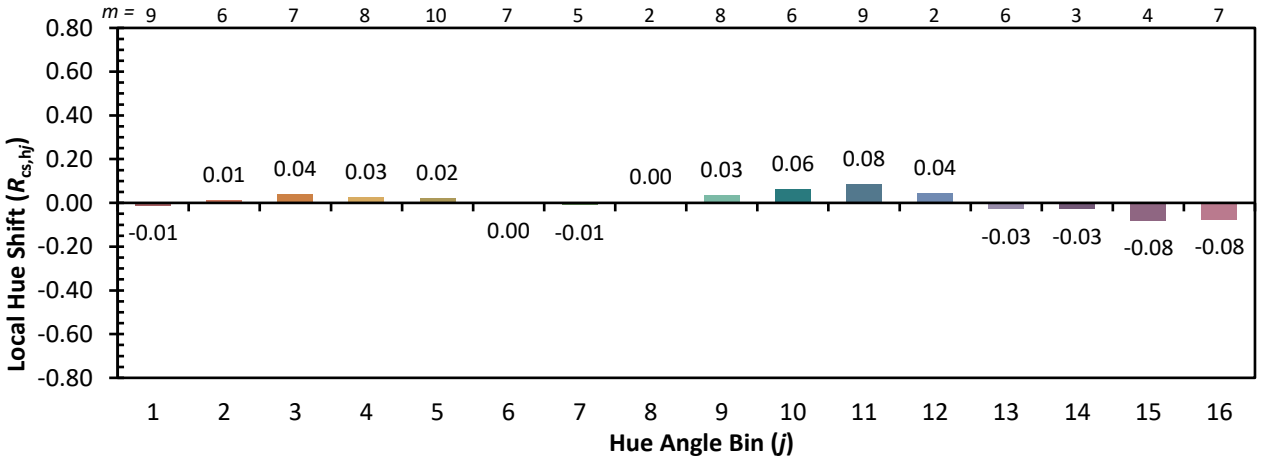
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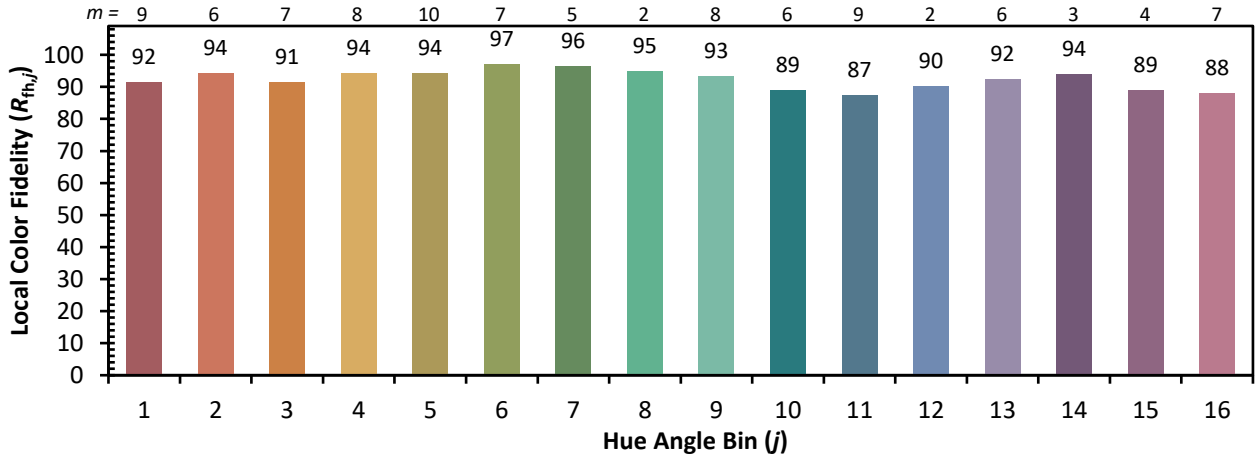
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## Color Rendition by Hue-Angle Bin



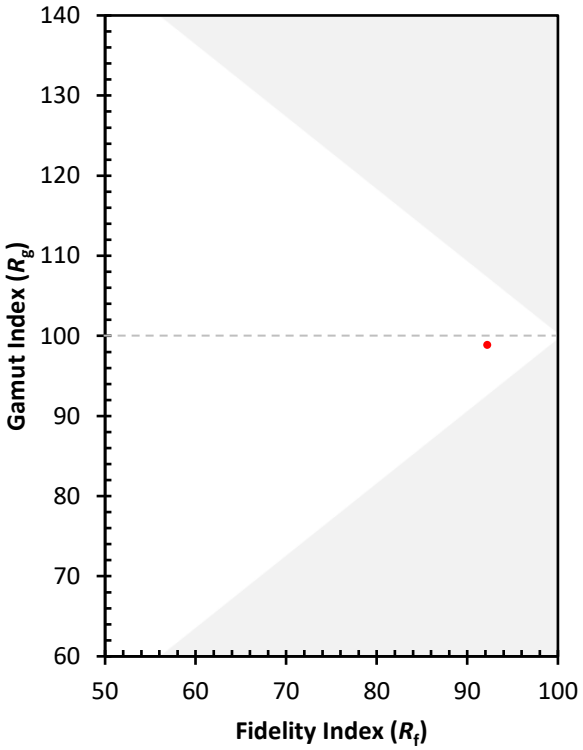



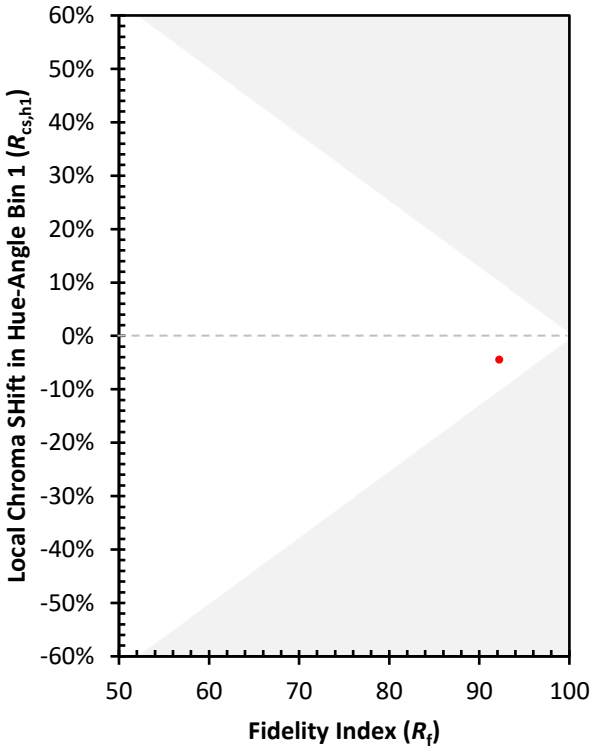
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### Measure Comparisons




(END OF REPORT)