

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

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Peachtree City, GA 30269

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: STREETWORKS

Report Number: P1456553

Luminaire Tested: GLAN-SB2C-760-U-T3LG

Issue Date: 05/20/2026

Test Information

Test Method: LM-79-2024
Report Number: P1456553
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-760-U-T3LG
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 615mA 2xLight Square
PACKAGE 70CRI 5700K FIXTURE w/ TYPE III LOW GLARE
Light Source: (52) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15454.9 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

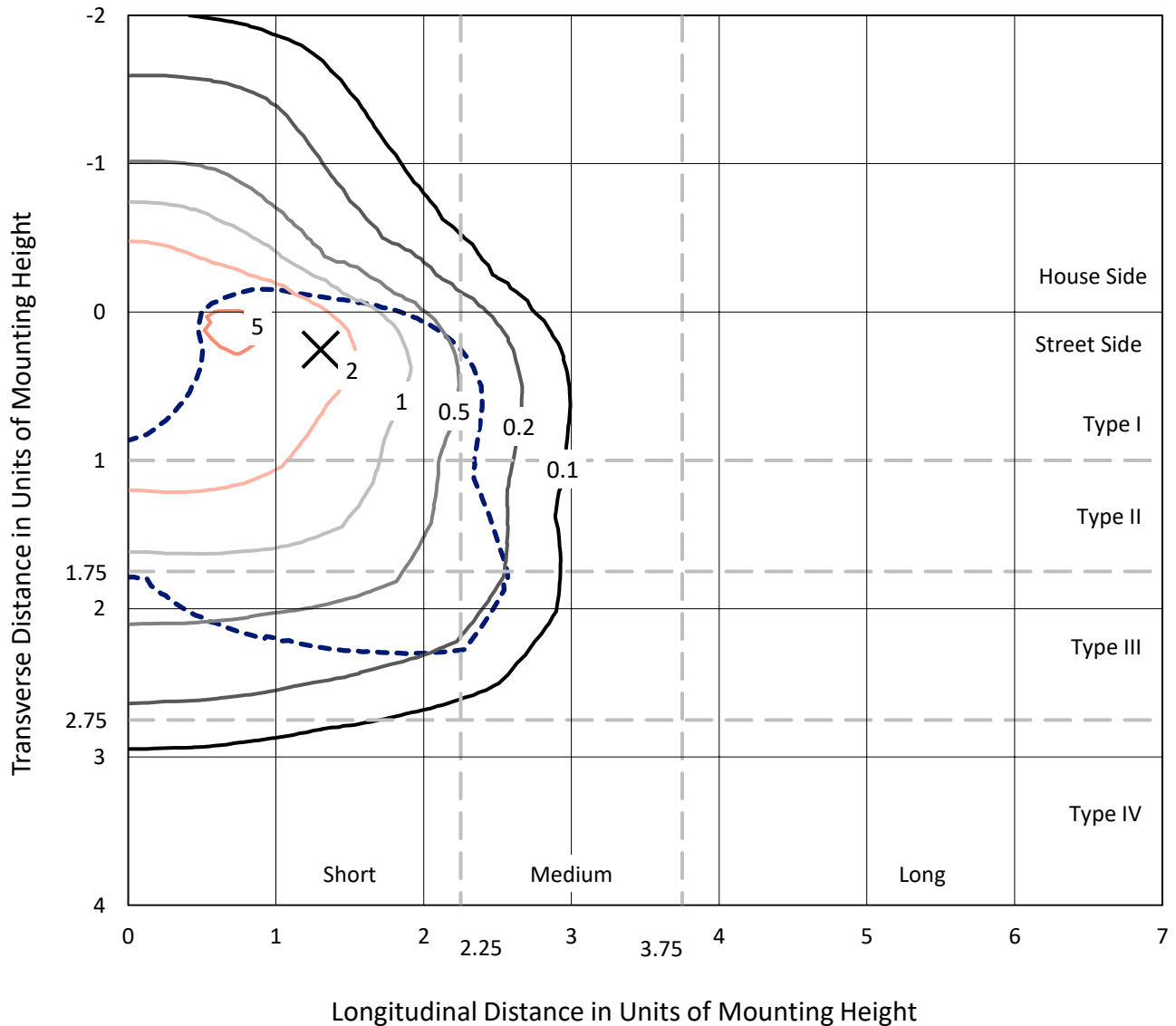
Input Watts (W): 100.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1456553

CATALOG NUMBER: GLAN-SB2C-760-U-T3LG

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

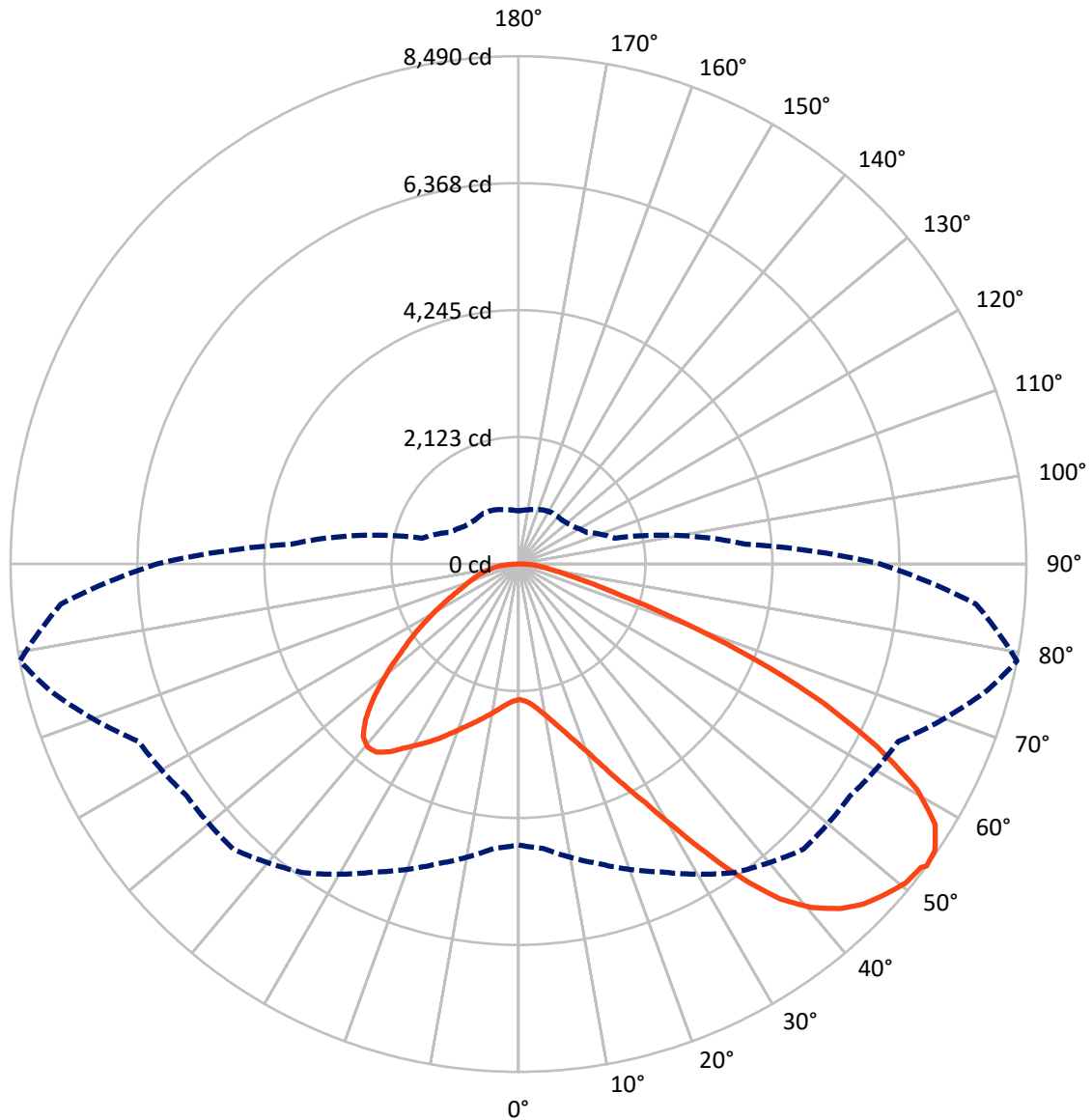


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P1456553

CATALOG NUMBER: GLAN-SB2C-760-U-T3LG

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 53-Deg Vertical

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CATALOG NUMBER: GLAN-SB2C-760-U-T3LG

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3896.1 | 0.0 | 3896.1 |
| | % Fixture | 25.2 | 0.0 | 25.2 |
| Street Side | Lumens | 11558.8 | 0.0 | 11558.8 |
| | % Fixture | 74.8 | 0.0 | 74.8 |
| Total | Lumens | 15454.9 | 0.0 | 15454.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 216.2 | 1.4 |
| 10°-20° | 669.4 | 4.3 |
| 20°-30° | 1279.9 | 8.3 |
| 30°-40° | 2197.5 | 14.2 |
| 40°-50° | 3078.0 | 19.9 |
| 50°-60° | 3493.2 | 22.6 |
| 60°-70° | 3063.3 | 19.8 |
| 70°-80° | 1197.8 | 7.8 |
| 80°-90° | 259.5 | 1.7 |
| 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° | 15454.9 | 100.0 |
| 0°-180° | 15454.9 | 100.0 |



REPORT NUMBER: P1456553

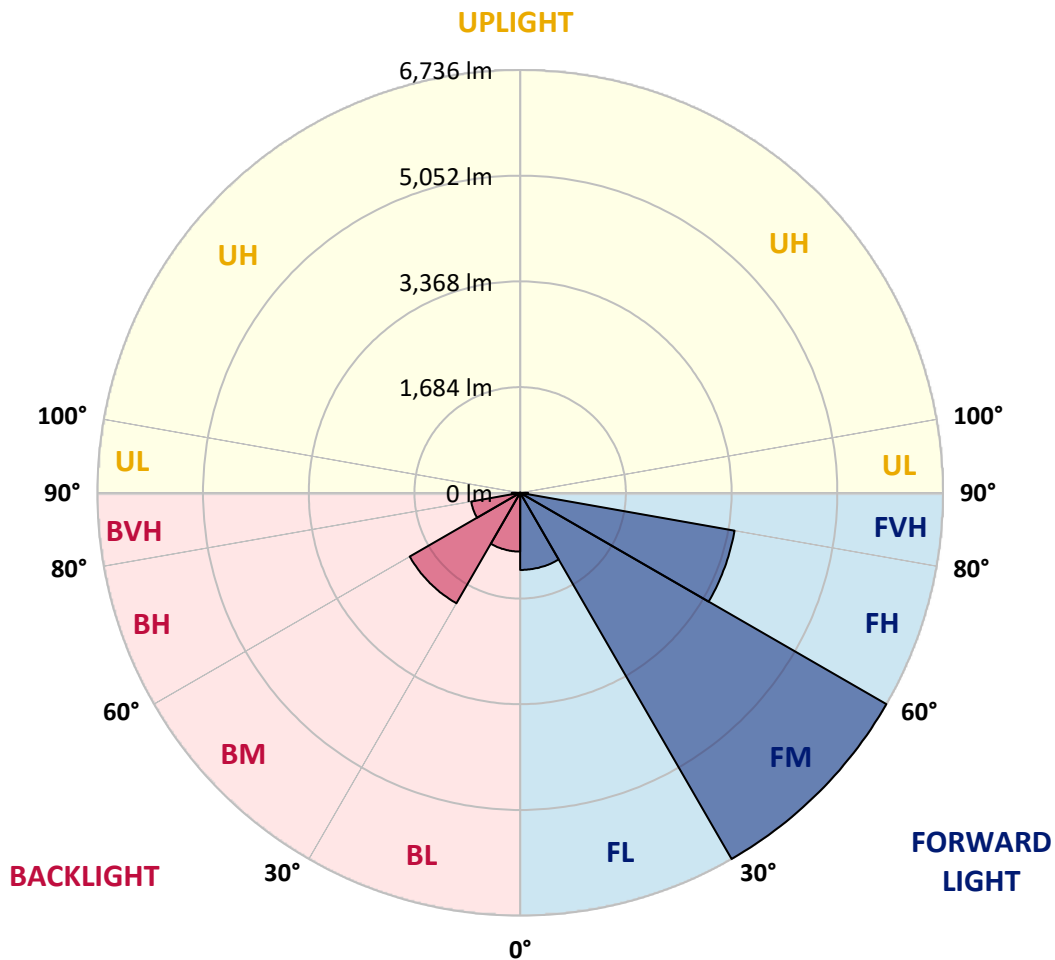
CATALOG NUMBER: GLAN-SB2C-760-U-T3LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1228.5 | 7.9 | | | |
| FM | (30°-60°) | 6736.2 | 43.6 | | | |
| FH | (60°-80°) | 3468.2 | 22.4 | | | G2/5000 |
| FVH | (80°-90°) | 125.9 | 0.8 | | | G2/225 |
| BL | (0°-30°) | 937.0 | 6.1 | B2/1000 | | |
| BM | (30°-60°) | 2032.5 | 13.2 | B2/2500 | | |
| BH | (60°-80°) | 792.9 | 5.1 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 133.6 | 0.9 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P1456553

CATALOG NUMBER: GLAN-SB2C-760-U-T3LG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 |
| 2.5° | 2272.3 | 2272.3 | 2258.5 | 2272.3 | 2265.4 | 2275.7 | 2282.6 | 2282.6 | 2296.4 | 2292.9 | 2292.9 |
| 5° | 2234.4 | 2227.5 | 2224.1 | 2248.2 | 2261.9 | 2289.5 | 2320.5 | 2334.2 | 2358.3 | 2358.3 | 2361.8 |
| 7.5° | 2134.6 | 2131.1 | 2148.3 | 2196.5 | 2241.3 | 2310.1 | 2375.5 | 2413.4 | 2451.3 | 2458.2 | 2458.2 |
| 10° | 2072.6 | 2069.1 | 2089.8 | 2148.3 | 2220.6 | 2320.5 | 2423.7 | 2502.9 | 2564.9 | 2582.1 | 2582.1 |
| 12.5° | 2072.6 | 2072.6 | 2089.8 | 2148.3 | 2224.1 | 2344.6 | 2485.7 | 2620.0 | 2716.4 | 2737.0 | 2730.2 |
| 15° | 2131.1 | 2127.7 | 2148.3 | 2210.3 | 2282.6 | 2396.2 | 2568.3 | 2747.4 | 2878.2 | 2916.1 | 2919.5 |
| 17.5° | 2193.1 | 2189.6 | 2220.6 | 2299.8 | 2385.9 | 2499.5 | 2675.1 | 2895.4 | 3081.3 | 3129.5 | 3139.9 |
| 20° | 2289.5 | 2286.0 | 2323.9 | 2399.6 | 2506.4 | 2637.2 | 2819.7 | 3071.0 | 3329.2 | 3380.9 | 3394.6 |
| 22.5° | 2399.6 | 2403.1 | 2444.4 | 2537.4 | 2644.1 | 2816.2 | 3040.0 | 3318.9 | 3628.7 | 3707.9 | 3721.7 |
| 25° | 2630.3 | 2620.0 | 2654.4 | 2719.8 | 2833.4 | 3040.0 | 3315.4 | 3618.4 | 3986.8 | 4083.2 | 4100.4 |
| 27.5° | 2936.7 | 2919.5 | 2957.4 | 3022.8 | 3105.4 | 3298.2 | 3615.0 | 3952.4 | 4396.5 | 4517.0 | 4520.4 |
| 30° | 3212.2 | 3201.8 | 3253.5 | 3387.7 | 3473.8 | 3621.9 | 3959.2 | 4344.8 | 4902.6 | 5078.2 | 5085.1 |
| 32.5° | 3449.7 | 3446.3 | 3542.7 | 3714.8 | 3911.0 | 4069.4 | 4396.5 | 4840.6 | 5542.9 | 5746.1 | 5701.3 |
| 35° | 3676.9 | 3687.3 | 3807.8 | 3986.8 | 4248.4 | 4565.2 | 4895.7 | 5401.8 | 6217.7 | 6462.2 | 6389.9 |
| 37.5° | 3907.6 | 3914.5 | 4072.9 | 4303.5 | 4579.0 | 4992.1 | 5436.2 | 6011.2 | 6803.0 | 7106.0 | 6947.6 |
| 40° | 4121.1 | 4141.7 | 4355.2 | 4603.1 | 4961.1 | 5381.1 | 5876.9 | 6434.6 | 7254.0 | 7553.6 | 7381.4 |
| 42.5° | 4334.5 | 4365.5 | 4596.2 | 4937.0 | 5319.2 | 5756.4 | 6183.3 | 6692.8 | 7543.2 | 7877.2 | 7612.1 |
| 45° | 4554.9 | 4575.5 | 4861.3 | 5215.9 | 5649.7 | 6052.5 | 6358.9 | 6858.1 | 7742.9 | 8104.4 | 7742.9 |
| 47.5° | 4702.9 | 4744.2 | 5057.5 | 5467.2 | 5901.0 | 6279.7 | 6500.1 | 6927.0 | 7870.3 | 8252.4 | 7791.1 |
| 50° | 4761.4 | 4820.0 | 5157.4 | 5611.8 | 6107.6 | 6493.2 | 6610.2 | 6964.8 | 8011.5 | 8383.3 | 7780.8 |
| 52.5° | 4751.1 | 4806.2 | 5174.6 | 5677.2 | 6272.8 | 6689.4 | 6716.9 | 7006.1 | 8111.3 | 8428.0 | 7691.3 |
| 53° | 4696.0 | 4771.8 | 5184.9 | 5680.7 | 6296.9 | 6741.0 | 6765.1 | 7009.6 | 8125.1 | 8490.0 | 7677.5 |
| 55° | 4506.7 | 4548.0 | 5078.2 | 5677.2 | 6410.5 | 6933.8 | 6899.4 | 7112.9 | 8162.9 | 8448.7 | 7526.0 |
| 57.5° | 4334.5 | 4375.8 | 4837.2 | 5611.8 | 6503.5 | 7205.8 | 7116.3 | 7095.7 | 7956.4 | 8214.6 | 7143.9 |
| 60° | 4224.3 | 4238.1 | 4627.2 | 5405.2 | 6465.6 | 7395.2 | 7257.5 | 6892.5 | 7446.8 | 7660.3 | 6472.5 |
| 62.5° | 4131.4 | 4127.9 | 4472.2 | 5109.2 | 6321.0 | 7422.7 | 7285.0 | 6389.9 | 6699.7 | 6734.2 | 5577.4 |
| 65° | 3921.4 | 3897.3 | 4231.2 | 4775.2 | 6021.5 | 7298.8 | 6947.6 | 5629.0 | 5708.2 | 5594.6 | 4479.1 |
| 67.5° | 3504.8 | 3453.2 | 3749.2 | 4265.7 | 5412.1 | 6947.6 | 6303.8 | 4744.2 | 4499.8 | 4272.5 | 3374.0 |
| 70° | 2509.8 | 2509.8 | 2747.4 | 3263.8 | 4344.8 | 6004.3 | 5412.1 | 3590.9 | 3098.5 | 2895.4 | 2255.0 |
| 72.5° | 1229.1 | 1260.1 | 1508.0 | 1928.0 | 2912.6 | 4358.6 | 4145.2 | 2327.3 | 1879.8 | 1779.9 | 1446.0 |
| 75° | 523.3 | 526.8 | 643.8 | 853.8 | 1477.0 | 2578.7 | 2595.9 | 1342.7 | 1205.0 | 1156.8 | 957.1 |
| 77.5° | 364.9 | 371.8 | 423.5 | 502.7 | 702.3 | 1184.3 | 1349.6 | 812.5 | 809.1 | 774.6 | 681.7 |
| 80° | 278.9 | 285.8 | 320.2 | 375.3 | 471.7 | 605.9 | 698.9 | 550.9 | 578.4 | 544.0 | 492.3 |
| 82.5° | 210.0 | 216.9 | 241.0 | 282.3 | 337.4 | 406.3 | 392.5 | 406.3 | 426.9 | 406.3 | 354.6 |
| 85° | 141.2 | 144.6 | 161.8 | 196.2 | 216.9 | 244.4 | 244.4 | 296.1 | 309.9 | 303.0 | 278.9 |
| 87.5° | 72.3 | 72.3 | 86.1 | 103.3 | 110.2 | 113.6 | 99.8 | 130.8 | 148.0 | 161.8 | 130.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P1456553

CATALOG NUMBER: GLAN-SB2C-760-U-T3LG

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 | 2268.8 |
| 2.5° | 2292.9 | 2296.4 | 2286.0 | 2282.6 | 2279.1 | 2261.9 | 2261.9 | 2244.7 | 2241.3 | 2244.7 | 2234.4 |
| 5° | 2368.7 | 2361.8 | 2334.2 | 2313.6 | 2289.5 | 2241.3 | 2213.7 | 2175.9 | 2165.5 | 2155.2 | 2144.9 |
| 7.5° | 2461.6 | 2451.3 | 2403.1 | 2348.0 | 2282.6 | 2189.6 | 2138.0 | 2076.0 | 2055.4 | 2038.2 | 2031.3 |
| 10° | 2578.7 | 2558.0 | 2482.3 | 2365.2 | 2244.7 | 2131.1 | 2058.8 | 1983.1 | 1948.6 | 1941.8 | 1924.5 |
| 12.5° | 2730.2 | 2692.3 | 2551.1 | 2368.7 | 2210.3 | 2062.3 | 1983.1 | 1924.5 | 1910.8 | 1907.3 | 1890.1 |
| 15° | 2898.9 | 2843.8 | 2616.5 | 2372.1 | 2165.5 | 2003.7 | 1955.5 | 1924.5 | 1924.5 | 1921.1 | 1910.8 |
| 17.5° | 3105.4 | 3015.9 | 2678.5 | 2358.3 | 2110.5 | 1986.5 | 1962.4 | 1934.9 | 1928.0 | 1931.4 | 1917.7 |
| 20° | 3353.3 | 3205.3 | 2743.9 | 2341.1 | 2086.4 | 1990.0 | 1962.4 | 1924.5 | 1907.3 | 1903.9 | 1893.6 |
| 22.5° | 3639.1 | 3422.2 | 2816.2 | 2313.6 | 2086.4 | 1986.5 | 1941.8 | 1890.1 | 1855.7 | 1841.9 | 1828.1 |
| 25° | 3966.1 | 3673.5 | 2892.0 | 2303.2 | 2093.2 | 1972.7 | 1900.4 | 1817.8 | 1762.7 | 1742.1 | 1731.7 |
| 27.5° | 4362.1 | 3938.6 | 2947.1 | 2313.6 | 2089.8 | 1941.8 | 1828.1 | 1721.4 | 1659.4 | 1625.0 | 1618.1 |
| 30° | 4799.3 | 4224.3 | 2984.9 | 2330.8 | 2069.1 | 1883.2 | 1742.1 | 1621.6 | 1535.5 | 1494.2 | 1483.9 |
| 32.5° | 5315.7 | 4544.5 | 3022.8 | 2330.8 | 2017.5 | 1800.6 | 1642.2 | 1511.4 | 1421.9 | 1373.7 | 1366.8 |
| 35° | 5887.2 | 4937.0 | 3057.2 | 2327.3 | 1955.5 | 1711.1 | 1542.4 | 1408.1 | 1315.2 | 1267.0 | 1263.5 |
| 37.5° | 6372.7 | 5233.1 | 3074.4 | 2292.9 | 1869.5 | 1607.8 | 1449.4 | 1315.2 | 1218.8 | 1167.1 | 1163.7 |
| 40° | 6672.2 | 5357.0 | 3040.0 | 2224.1 | 1766.2 | 1501.1 | 1346.1 | 1222.2 | 1125.8 | 1063.8 | 1050.1 |
| 42.5° | 6785.8 | 5298.5 | 2929.8 | 2110.5 | 1642.2 | 1394.3 | 1260.1 | 1129.2 | 1001.9 | 950.2 | 939.9 |
| 45° | 6747.9 | 5071.3 | 2695.7 | 1948.6 | 1504.5 | 1297.9 | 1184.3 | 1036.3 | 953.7 | 908.9 | 905.5 |
| 47.5° | 6620.6 | 4720.1 | 2403.1 | 1745.5 | 1359.9 | 1211.9 | 1084.5 | 1012.2 | 936.4 | 888.2 | 884.8 |
| 50° | 6396.8 | 4344.8 | 2051.9 | 1514.8 | 1229.1 | 1122.4 | 1060.4 | 1001.9 | 939.9 | 902.0 | 895.1 |
| 52.5° | 6111.0 | 3921.4 | 1728.3 | 1291.1 | 1115.5 | 1043.2 | 1036.3 | 995.0 | 946.8 | 905.5 | 888.2 |
| 53° | 6045.6 | 3811.2 | 1666.3 | 1253.2 | 1098.3 | 1032.8 | 1029.4 | 995.0 | 939.9 | 902.0 | 888.2 |
| 55° | 5732.3 | 3470.4 | 1470.1 | 1118.9 | 1012.2 | 998.4 | 1029.4 | 991.5 | 922.7 | 891.7 | 881.4 |
| 57.5° | 5229.6 | 3022.8 | 1280.7 | 995.0 | 922.7 | 957.1 | 1019.1 | 977.8 | 902.0 | 846.9 | 829.7 |
| 60° | 4623.7 | 2509.8 | 1136.1 | 912.3 | 857.3 | 905.5 | 977.8 | 929.6 | 826.3 | 798.7 | 795.3 |
| 62.5° | 3900.7 | 2031.3 | 1026.0 | 843.5 | 802.2 | 850.4 | 915.8 | 833.2 | 757.4 | 736.8 | 729.9 |
| 65° | 3046.9 | 1614.7 | 939.9 | 791.8 | 747.1 | 785.0 | 829.7 | 778.1 | 729.9 | 712.7 | 709.2 |
| 67.5° | 2265.4 | 1267.0 | 871.0 | 747.1 | 692.0 | 716.1 | 767.7 | 754.0 | 712.7 | 702.3 | 698.9 |
| 70° | 1563.0 | 1029.4 | 809.1 | 705.8 | 623.2 | 650.7 | 729.9 | 740.2 | 698.9 | 692.0 | 688.6 |
| 72.5° | 1094.8 | 871.0 | 743.6 | 661.0 | 568.1 | 595.6 | 712.7 | 712.7 | 667.9 | 678.2 | 671.4 |
| 75° | 822.8 | 733.3 | 667.9 | 605.9 | 499.2 | 540.5 | 688.6 | 681.7 | 636.9 | 681.7 | 664.5 |
| 77.5° | 619.7 | 592.2 | 578.4 | 537.1 | 437.2 | 478.6 | 640.4 | 626.6 | 568.1 | 571.5 | 540.5 |
| 80° | 451.0 | 457.9 | 495.8 | 457.9 | 364.9 | 395.9 | 540.5 | 533.6 | 461.3 | 475.1 | 437.2 |
| 82.5° | 323.6 | 340.8 | 423.5 | 368.4 | 265.1 | 282.3 | 371.8 | 402.8 | 361.5 | 340.8 | 347.7 |
| 85° | 244.4 | 254.8 | 340.8 | 272.0 | 165.3 | 185.9 | 254.8 | 289.2 | 282.3 | 261.7 | 265.1 |
| 87.5° | 103.3 | 117.1 | 158.4 | 127.4 | 96.4 | 96.4 | 158.4 | 203.1 | 182.5 | 154.9 | 161.8 |
| 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



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-7
 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-757-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 5700K CCT 26 LEDS

Spectral Parameters

CCT (K): 5571
 CIE u': 0.2033
 CIE v': 0.4806
 Duv: 0.0041
 CIE x: 0.3308
 CIE y: 0.3476
 CIE z: 0.3216
 Peak Wavelength (nm): 442
 Dominant Wavelength (nm): 544
 Purity: 3.635698
 Rf: 70.4
 Rg: 97.1

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 69.9 | | |
| R1: | 68.8 | R9: | -35.4 |
| R2: | 72.5 | R10: | 36.7 |
| R3: | 76.8 | R11: | 73.9 |
| R4: | 72.0 | R12: | 47.8 |
| R5: | 70.9 | R13: | 68.0 |
| R6: | 65.6 | R14: | 87.0 |
| R7: | 75.5 | R15: | 59.8 |
| R8: | 56.8 | | |



Test Conditions

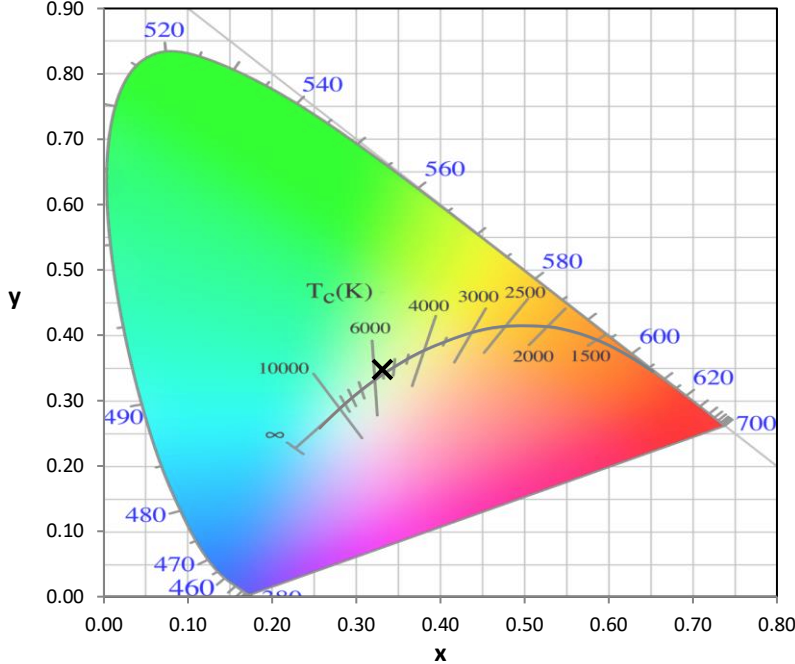
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

| 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: SP1-2407-184-7

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR S/P: 1.84

| 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 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

REPORT NUMBER: SP1-2407-184-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

| λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) | λ (nm) | Power W [^] /nm | Lumens (φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360 | 0 | NR | 490 | 120 | NR | 620 | 298 | NR | 750 | 9 | NR | 880 | 0 | NR |
| 365 | 0 | NR | 495 | 167 | NR | 625 | 270 | NR | 755 | 7 | NR | 885 | 0 | NR |
| 370 | 0 | NR | 500 | 222 | NR | 630 | 245 | NR | 760 | 6 | NR | 890 | 0 | NR |
| 375 | 0 | NR | 505 | 279 | NR | 635 | 219 | NR | 765 | 6 | NR | 895 | 0 | NR |
| 380 | 1 | NR | 510 | 329 | NR | 640 | 196 | NR | 770 | 5 | NR | 900 | 0 | NR |
| 385 | 2 | NR | 515 | 371 | NR | 645 | 173 | NR | 775 | 4 | NR | 905 | 0 | NR |
| 390 | 4 | NR | 520 | 403 | NR | 650 | 153 | NR | 780 | 4 | NR | 910 | 0 | NR |
| 395 | 6 | NR | 525 | 424 | NR | 655 | 135 | NR | 785 | 3 | NR | 915 | 0 | NR |
| 400 | 9 | NR | 530 | 439 | NR | 660 | 117 | NR | 790 | 3 | NR | 920 | 0 | NR |
| 405 | 14 | NR | 535 | 449 | NR | 665 | 103 | NR | 795 | 2 | NR | 925 | 0 | NR |
| 410 | 28 | NR | 540 | 454 | NR | 670 | 89 | NR | 800 | 2 | NR | 930 | 0 | NR |
| 415 | 55 | NR | 545 | 459 | NR | 675 | 77 | NR | 805 | 2 | NR | 935 | 0 | NR |
| 420 | 118 | NR | 550 | 463 | NR | 680 | 67 | NR | 810 | 2 | NR | 940 | 0 | NR |
| 425 | 237 | NR | 555 | 466 | NR | 685 | 58 | NR | 815 | 1 | NR | 945 | 0 | NR |
| 430 | 420 | NR | 560 | 467 | NR | 690 | 50 | NR | 820 | 1 | NR | 950 | 0 | NR |
| 435 | 677 | NR | 565 | 469 | NR | 695 | 43 | NR | 825 | 1 | NR | 955 | 0 | NR |
| 440 | 962 | NR | 570 | 469 | NR | 700 | 37 | NR | 830 | 1 | NR | 960 | 0 | NR |
| 445 | 894 | NR | 575 | 466 | NR | 705 | 32 | NR | 835 | 1 | NR | 965 | 0 | NR |
| 450 | 472 | NR | 580 | 461 | NR | 710 | 28 | NR | 840 | 1 | NR | 970 | 0 | NR |
| 455 | 275 | NR | 585 | 450 | NR | 715 | 24 | NR | 845 | 1 | NR | 975 | 0 | NR |
| 460 | 180 | NR | 590 | 437 | NR | 720 | 21 | NR | 850 | 1 | NR | 980 | 0 | NR |
| 465 | 107 | NR | 595 | 420 | NR | 725 | 18 | NR | 855 | 0 | NR | 985 | 0 | NR |
| 470 | 76 | NR | 600 | 400 | NR | 730 | 15 | NR | 860 | 0 | NR | 990 | 0 | NR |
| 475 | 68 | NR | 605 | 376 | NR | 735 | 13 | NR | 865 | 0 | NR | 995 | 0 | NR |
| 480 | 69 | NR | 610 | 352 | NR | 740 | 11 | NR | 870 | 0 | NR | 1000 | 0 | NR |
| 485 | 86 | NR | 615 | 325 | NR | 745 | 10 | NR | 875 | 0 | NR | | | |

Summary

$R_f = 70.4$
 $R_g = 97.1$
 CIE $R_a = 69.9$
 $R_g = -35.4$



Color Vector Graphics



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

| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 52 | CES51 = 87 | CES76 = 40 |
| CES02 = 59 | CES27 = 77 | CES52 = 88 | CES77 = 62 |
| CES03 = 30 | CES28 = 76 | CES53 = 74 | CES78 = 43 |
| CES04 = 68 | CES29 = 46 | CES54 = 79 | CES79 = 72 |
| CES05 = 45 | CES30 = 54 | CES55 = 78 | CES80 = 68 |
| CES06 = 49 | CES31 = 52 | CES56 = 67 | CES81 = 70 |
| CES07 = 38 | CES32 = 49 | CES57 = 64 | CES82 = 87 |
| CES08 = 37 | CES33 = 59 | CES58 = 66 | CES83 = 81 |
| CES09 = 29 | CES34 = 61 | CES59 = 87 | CES84 = 87 |
| CES10 = 72 | CES35 = 78 | CES60 = 91 | CES85 = 83 |
| CES11 = 55 | CES36 = 88 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 71 | CES62 = 77 | CES87 = 74 |
| CES13 = 41 | CES38 = 64 | CES63 = 74 | CES88 = 76 |
| CES14 = 74 | CES39 = 90 | CES64 = 71 | CES89 = 75 |
| CES15 = 70 | CES40 = 81 | CES65 = 63 | CES90 = 73 |
| CES16 = 46 | CES41 = 82 | CES66 = 66 | CES91 = 93 |
| CES17 = 48 | CES42 = 69 | CES67 = 63 | CES92 = 69 |
| CES18 = 55 | CES43 = 67 | CES68 = 71 | CES93 = 82 |
| CES19 = 70 | CES44 = 98 | CES69 = 81 | CES94 = 58 |
| CES20 = 63 | CES45 = 77 | CES70 = 57 | CES95 = 72 |
| CES21 = 85 | CES46 = 76 | CES71 = 54 | CES96 = 78 |
| CES22 = 77 | CES47 = 73 | CES72 = 84 | CES97 = 82 |
| CES23 = 91 | CES48 = 65 | CES73 = 45 | CES98 = 70 |
| CES24 = 90 | CES49 = 77 | CES74 = 92 | CES99 = 59 |
| CES25 = 71 | CES50 = 85 | CES75 = 49 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)