

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: P1455980

Luminaire Tested: GLAN-SB3B-760-U-T2LG

Issue Date: 05/20/2026

Test Information

Test Method: LM-79-2024
Report Number: P1455980
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-760-U-T2LG
Description: GALLEON II AREA AND ROADWAY HIGH DENSITY LUMINAIRE 450mA 3xLight Square
PACKAGE 70CRI 5700K FIXTURE w/ TYPE II LOW GLARE
Light Source: (78) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17292 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

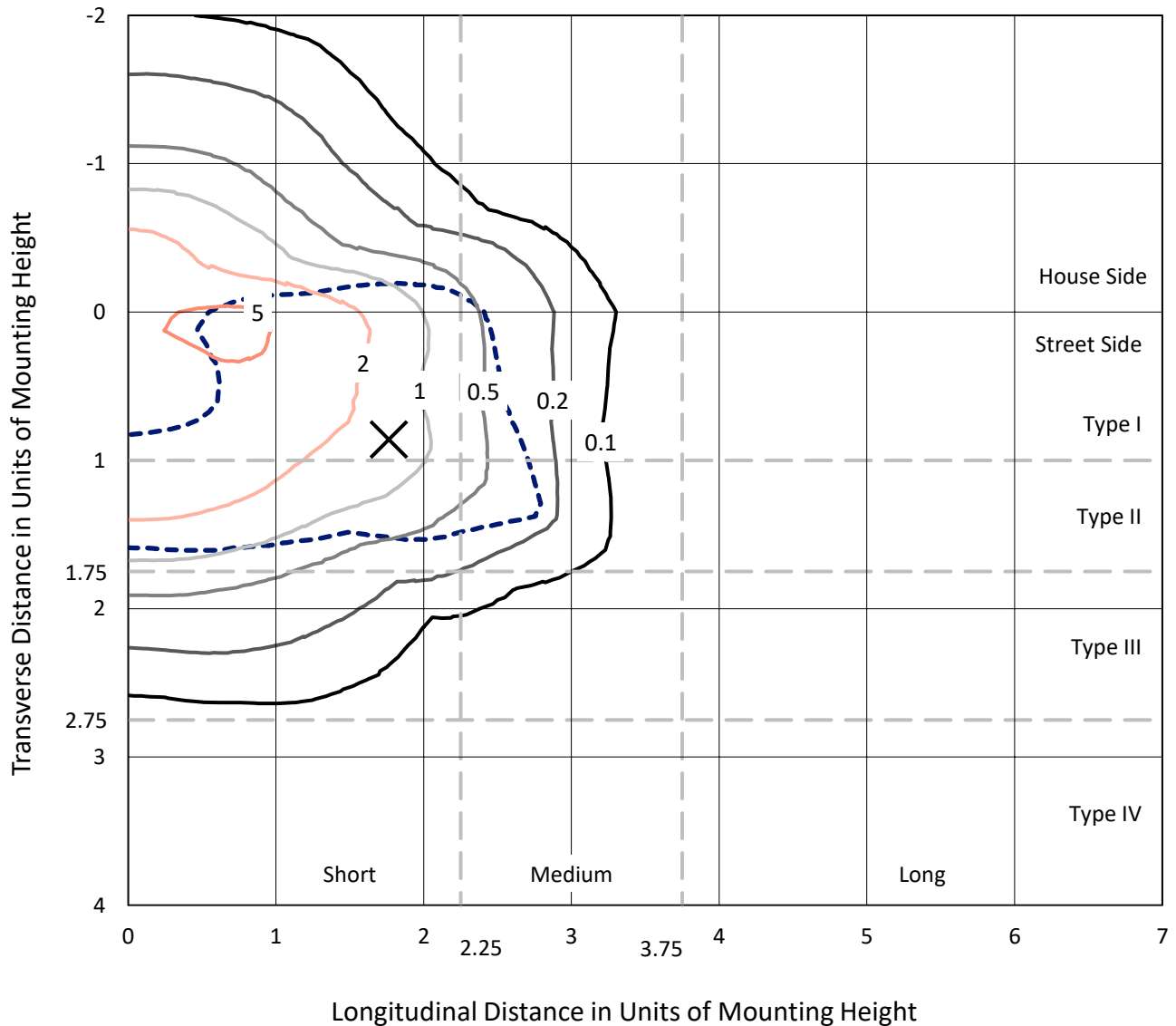
Input Watts (W): 109.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1455980

CATALOG NUMBER: GLAN-SB3B-760-U-T2LG

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

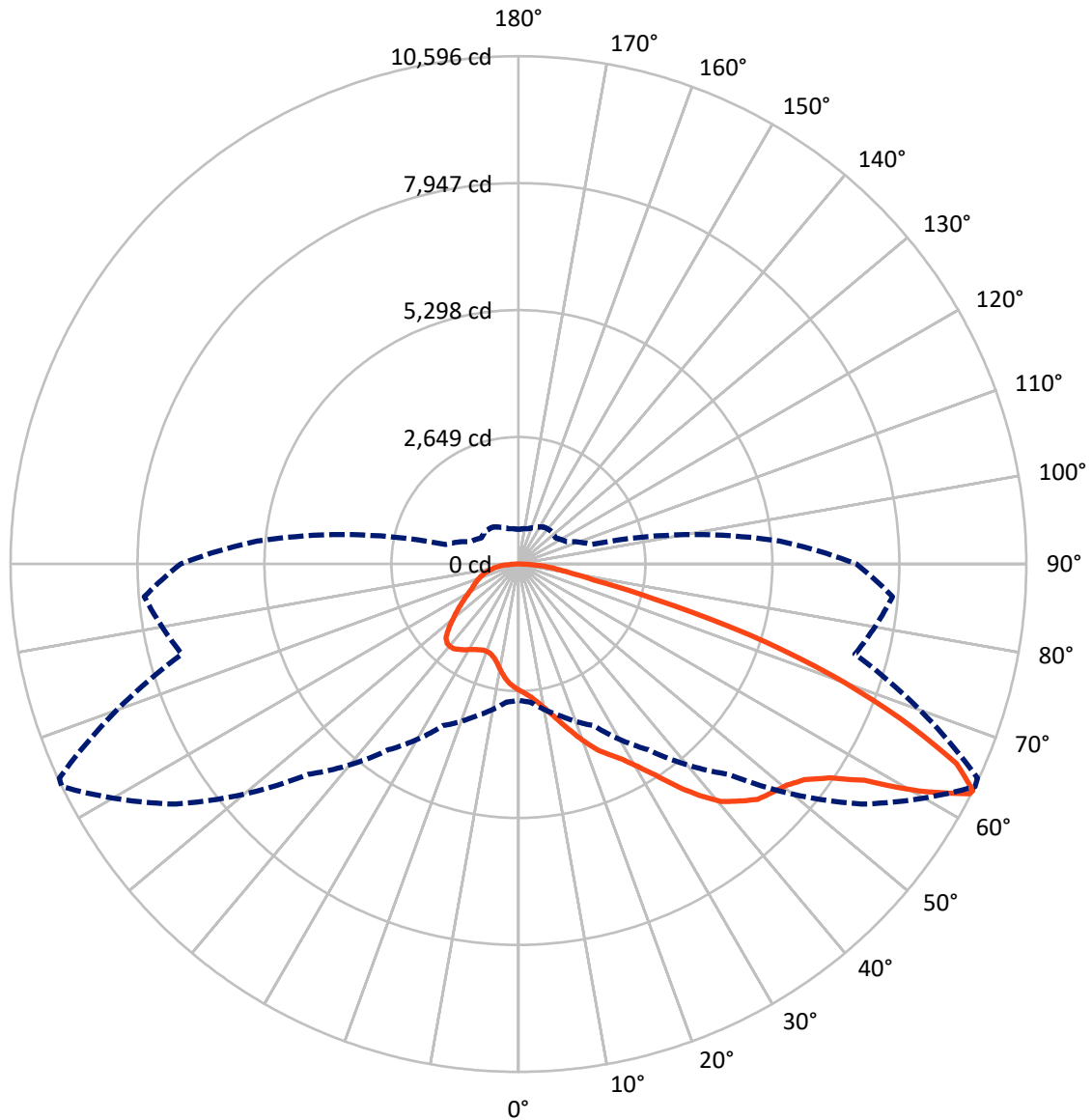


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

REPORT NUMBER: P1455980

CATALOG NUMBER: GLAN-SB3B-760-U-T2LG

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P1455980

CATALOG NUMBER: GLAN-SB3B-760-U-T2LG

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 4645.9 | 0.0 | 4645.9 |
| | % Fixture | 26.9 | 0.0 | 26.9 |
| Street Side | Lumens | 12646.1 | 0.0 | 12646.1 |
| | % Fixture | 73.1 | 0.0 | 73.1 |
| Total | Lumens | 17292.0 | 0.0 | 17292.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 241.8 | 1.4 |
| 10°-20° | 744.3 | 4.3 |
| 20°-30° | 1361.1 | 7.9 |
| 30°-40° | 2341.3 | 13.5 |
| 40°-50° | 3452.9 | 20.0 |
| 50°-60° | 4138.5 | 23.9 |
| 60°-70° | 3321.5 | 19.2 |
| 70°-80° | 1334.7 | 7.7 |
| 80°-90° | 355.9 | 2.1 |
| 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° | 17292.0 | 100.0 |
| 0°-180° | 17292.0 | 100.0 |



REPORT NUMBER: P1455980

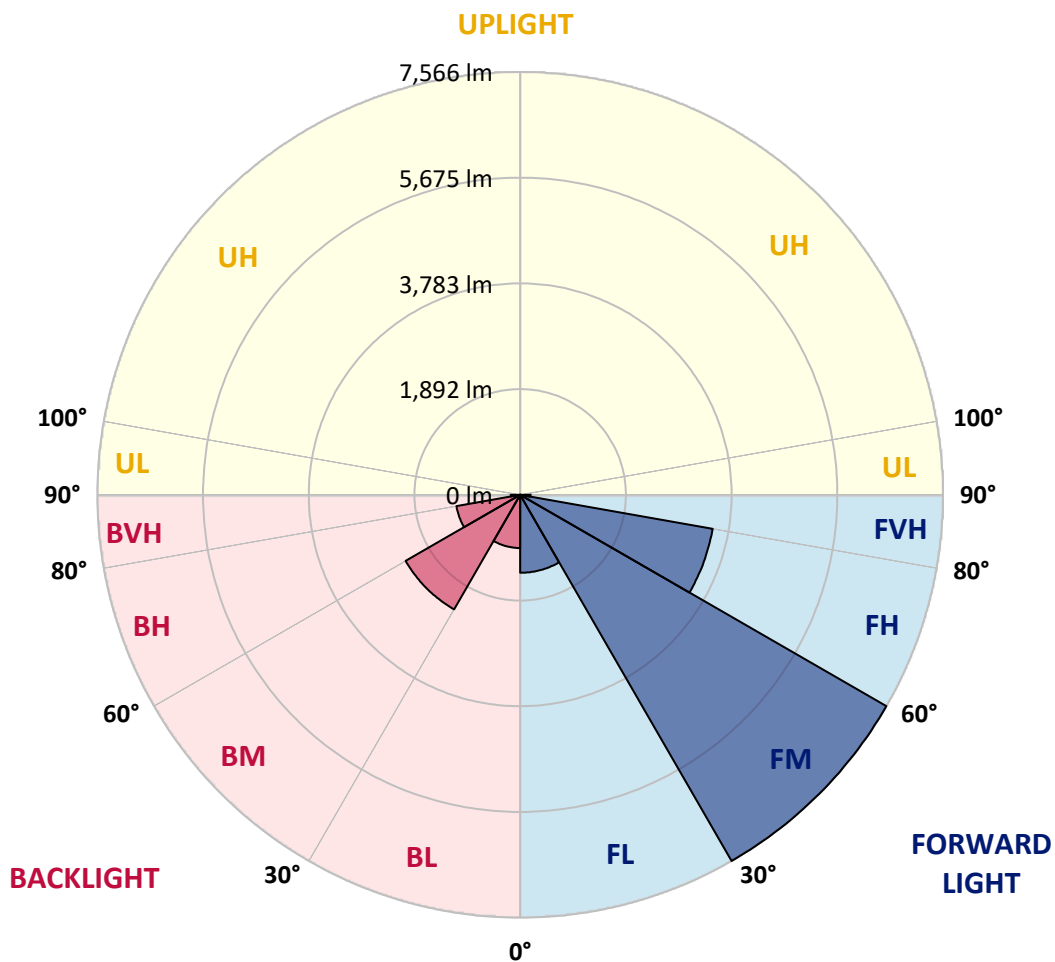
CATALOG NUMBER: GLAN-SB3B-760-U-T2LG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1395.1 | 8.1 | | | |
| FM | (30°-60°) | 7566.2 | 43.8 | | | |
| FH | (60°-80°) | 3497.8 | 20.2 | | | G2/5000 |
| FVH | (80°-90°) | 187.0 | 1.1 | | | G2/225 |
| BL | (0°-30°) | 952.1 | 5.5 | B2/1000 | | |
| BM | (30°-60°) | 2366.5 | 13.7 | B2/2500 | | |
| BH | (60°-80°) | 1158.4 | 6.7 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 168.9 | 1.0 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P1455980

CATALOG NUMBER: GLAN-SB3B-760-U-T2LG

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| 0° | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 |
| 2.5° | 2742.1 | 2746.0 | 2734.4 | 2730.5 | 2738.2 | 2722.7 | 2718.8 | 2703.3 | 2695.5 | 2680.0 | 2660.6 |
| 5° | 2819.8 | 2823.7 | 2815.9 | 2815.9 | 2823.7 | 2812.0 | 2808.2 | 2792.6 | 2784.9 | 2769.3 | 2730.5 |
| 7.5° | 2815.9 | 2819.8 | 2827.6 | 2858.6 | 2897.5 | 2913.0 | 2924.7 | 2913.0 | 2909.1 | 2885.8 | 2847.0 |
| 10° | 2753.8 | 2757.7 | 2777.1 | 2823.7 | 2920.8 | 2990.7 | 3064.5 | 3064.5 | 3072.3 | 3052.8 | 2982.9 |
| 12.5° | 2668.3 | 2672.2 | 2718.8 | 2792.6 | 2920.8 | 3041.2 | 3192.7 | 3254.8 | 3250.9 | 3239.3 | 3157.7 |
| 15° | 2462.5 | 2462.5 | 2532.4 | 2672.2 | 2878.1 | 3076.2 | 3301.4 | 3468.4 | 3472.3 | 3484.0 | 3386.9 |
| 17.5° | 2287.7 | 2291.6 | 2349.8 | 2474.1 | 2742.1 | 3056.7 | 3417.9 | 3705.4 | 3717.0 | 3783.0 | 3643.2 |
| 20° | 2303.2 | 2303.2 | 2322.7 | 2377.0 | 2594.5 | 2979.1 | 3484.0 | 3957.8 | 3996.7 | 4152.0 | 3977.2 |
| 22.5° | 2423.6 | 2423.6 | 2439.2 | 2435.3 | 2567.3 | 2928.6 | 3526.7 | 4210.3 | 4280.2 | 4602.6 | 4377.3 |
| 25° | 2645.0 | 2641.1 | 2625.6 | 2602.3 | 2680.0 | 2982.9 | 3623.8 | 4404.5 | 4540.4 | 5099.7 | 4839.5 |
| 27.5° | 2916.9 | 2909.1 | 2885.8 | 2847.0 | 2901.4 | 3146.1 | 3790.8 | 4610.3 | 4757.9 | 5643.5 | 5328.9 |
| 30° | 3254.8 | 3231.5 | 3208.2 | 3157.7 | 3216.0 | 3414.1 | 4039.4 | 4901.6 | 5041.5 | 6261.1 | 5919.3 |
| 32.5° | 3654.9 | 3682.1 | 3604.4 | 3534.5 | 3596.6 | 3779.2 | 4408.4 | 5247.3 | 5398.8 | 6905.8 | 6532.9 |
| 35° | 4253.0 | 4334.6 | 4311.3 | 3957.8 | 4016.1 | 4218.1 | 4839.5 | 5694.0 | 5829.9 | 7492.3 | 7162.2 |
| 37.5° | 4843.4 | 4824.0 | 4843.4 | 4548.2 | 4455.0 | 4699.7 | 5301.7 | 6121.2 | 6253.3 | 7970.0 | 7717.6 |
| 40° | 5317.2 | 5375.5 | 5375.5 | 5134.7 | 5014.3 | 5177.4 | 5721.2 | 6513.5 | 6641.7 | 8234.1 | 8117.6 |
| 42.5° | 5833.8 | 5841.6 | 5826.0 | 5616.3 | 5569.7 | 5612.4 | 6090.2 | 6762.1 | 6867.0 | 8370.1 | 8389.5 |
| 45° | 6416.4 | 6412.5 | 6346.5 | 6171.7 | 6101.8 | 6063.0 | 6319.3 | 7002.9 | 7107.8 | 8432.2 | 8537.1 |
| 47.5° | 6898.0 | 6917.5 | 6921.3 | 6734.9 | 6618.4 | 6451.4 | 6517.4 | 7123.3 | 7243.7 | 8362.3 | 8568.2 |
| 50° | 6925.2 | 6956.3 | 7103.9 | 7158.3 | 7135.0 | 6867.0 | 6700.0 | 7251.5 | 7371.9 | 8377.9 | 8680.8 |
| 52.5° | 6754.3 | 6785.4 | 6975.7 | 7201.0 | 7472.9 | 7344.7 | 6987.4 | 7472.9 | 7597.2 | 8529.3 | 8937.2 |
| 55° | 6296.0 | 6346.5 | 6630.0 | 6944.6 | 7430.2 | 7612.7 | 7496.2 | 7872.9 | 7989.5 | 8649.7 | 9236.2 |
| 57.5° | 5480.4 | 5542.5 | 5934.8 | 6435.8 | 7100.0 | 7550.6 | 8234.1 | 8513.8 | 8610.9 | 8735.2 | 9240.1 |
| 60° | 4097.7 | 4148.1 | 4761.8 | 5437.6 | 6435.8 | 7162.2 | 8673.0 | 9613.0 | 9667.4 | 8273.0 | 8715.8 |
| 62.5° | 3017.9 | 3068.4 | 3480.1 | 3965.6 | 5057.0 | 6447.5 | 8758.5 | 10564.6 | 10572.3 | 7437.9 | 7993.3 |
| 63° | 2843.1 | 2893.6 | 3266.5 | 3720.9 | 4730.8 | 6206.7 | 8731.3 | 10595.6 | 10568.5 | 7267.0 | 7834.1 |
| 65° | 2213.9 | 2303.2 | 2691.6 | 3037.3 | 3546.1 | 4940.5 | 8381.7 | 10044.1 | 10082.9 | 6762.1 | 7034.0 |
| 67.5° | 1507.0 | 1573.0 | 2066.3 | 2466.4 | 2680.0 | 3146.1 | 6874.7 | 8595.4 | 8657.5 | 6237.8 | 5612.4 |
| 70° | 1165.2 | 1196.3 | 1483.7 | 1953.7 | 2167.3 | 2000.3 | 4482.2 | 6921.3 | 6921.3 | 4870.6 | 3977.2 |
| 72.5° | 912.7 | 924.4 | 1118.6 | 1526.4 | 1743.9 | 1538.1 | 2497.4 | 5033.7 | 4847.3 | 2889.7 | 2652.8 |
| 75° | 652.5 | 668.1 | 842.8 | 1138.0 | 1390.5 | 1211.8 | 1596.3 | 2932.4 | 2819.8 | 1662.4 | 1771.1 |
| 77.5° | 516.6 | 524.3 | 629.2 | 839.0 | 1126.4 | 924.4 | 1215.7 | 1600.2 | 1584.7 | 1169.1 | 1138.0 |
| 80° | 407.8 | 423.4 | 493.3 | 602.0 | 870.0 | 722.4 | 905.0 | 1056.5 | 1025.4 | 804.0 | 730.2 |
| 82.5° | 291.3 | 318.5 | 380.6 | 458.3 | 644.7 | 516.6 | 594.3 | 745.7 | 745.7 | 605.9 | 481.6 |
| 85° | 178.7 | 202.0 | 225.3 | 283.5 | 458.3 | 334.0 | 314.6 | 481.6 | 493.3 | 454.4 | 310.7 |
| 87.5° | 85.4 | 93.2 | 108.8 | 120.4 | 167.0 | 151.5 | 124.3 | 182.5 | 186.4 | 202.0 | 128.2 |
| 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: P1455980

CATALOG NUMBER: GLAN-SB3B-760-U-T2LG

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 | 2633.4 |
| 2.5° | 2656.7 | 2648.9 | 2610.1 | 2571.2 | 2528.5 | 2489.7 | 2450.8 | 2419.8 | 2384.8 | 2392.6 | 2396.4 |
| 5° | 2707.2 | 2687.8 | 2602.3 | 2501.3 | 2369.3 | 2245.0 | 2124.6 | 2039.1 | 1984.7 | 1969.2 | 1938.1 |
| 7.5° | 2815.9 | 2769.3 | 2614.0 | 2400.3 | 2155.6 | 1961.4 | 1848.8 | 1798.3 | 1782.8 | 1786.7 | 1778.9 |
| 10° | 2940.2 | 2870.3 | 2629.5 | 2279.9 | 1969.2 | 1837.1 | 1821.6 | 1852.7 | 1868.2 | 1883.8 | 1887.6 |
| 12.5° | 3103.3 | 2990.7 | 2621.7 | 2147.9 | 1879.9 | 1856.6 | 1914.8 | 1973.1 | 2008.0 | 2031.3 | 2027.5 |
| 15° | 3293.7 | 3142.2 | 2598.4 | 2039.1 | 1868.2 | 1930.4 | 2004.2 | 2070.2 | 2112.9 | 2136.2 | 2124.6 |
| 17.5° | 3522.8 | 3320.8 | 2571.2 | 1969.2 | 1903.2 | 1977.0 | 2054.7 | 2120.7 | 2167.3 | 2182.8 | 2171.2 |
| 20° | 3806.4 | 3522.8 | 2524.6 | 1938.1 | 1930.4 | 1996.4 | 2066.3 | 2128.4 | 2167.3 | 2182.8 | 2167.3 |
| 22.5° | 4140.4 | 3763.6 | 2485.8 | 1938.1 | 1942.0 | 1996.4 | 2046.9 | 2093.5 | 2128.4 | 2140.1 | 2120.7 |
| 25° | 4567.6 | 4043.3 | 2470.2 | 1969.2 | 1945.9 | 1977.0 | 2004.2 | 2031.3 | 2050.8 | 2058.5 | 2050.8 |
| 27.5° | 5002.6 | 4365.7 | 2478.0 | 2008.0 | 1942.0 | 1949.8 | 1949.8 | 1953.7 | 1957.6 | 1961.4 | 1957.6 |
| 30° | 5503.7 | 4691.9 | 2509.1 | 2058.5 | 1949.8 | 1910.9 | 1899.3 | 1876.0 | 1856.6 | 1841.0 | 1825.5 |
| 32.5° | 5989.2 | 5002.6 | 2563.5 | 2132.3 | 1942.0 | 1868.2 | 1844.9 | 1786.7 | 1732.3 | 1685.7 | 1685.7 |
| 35° | 6513.5 | 5325.0 | 2660.6 | 2186.7 | 1934.2 | 1829.4 | 1763.4 | 1697.3 | 1639.1 | 1573.0 | 1573.0 |
| 37.5° | 6964.1 | 5600.8 | 2738.2 | 2248.9 | 1926.5 | 1782.8 | 1677.9 | 1604.1 | 1542.0 | 1475.9 | 1468.2 |
| 40° | 7278.7 | 5760.0 | 2784.9 | 2272.2 | 1899.3 | 1720.6 | 1596.3 | 1503.1 | 1413.8 | 1324.5 | 1320.6 |
| 42.5° | 7430.2 | 5752.3 | 2757.7 | 2264.4 | 1848.8 | 1642.9 | 1526.4 | 1402.1 | 1281.7 | 1200.2 | 1192.4 |
| 45° | 7511.7 | 5701.8 | 2652.8 | 2198.4 | 1767.2 | 1561.4 | 1437.1 | 1305.0 | 1184.6 | 1110.8 | 1095.3 |
| 47.5° | 7496.2 | 5577.5 | 2509.1 | 2035.2 | 1658.5 | 1472.0 | 1347.8 | 1211.8 | 1114.7 | 1072.0 | 1072.0 |
| 50° | 7538.9 | 5480.4 | 2346.0 | 1848.8 | 1510.9 | 1367.2 | 1266.2 | 1141.9 | 1083.6 | 1029.3 | 1009.8 |
| 52.5° | 7729.2 | 5561.9 | 2206.1 | 1674.0 | 1371.1 | 1266.2 | 1196.3 | 1091.4 | 1017.6 | 982.7 | 971.0 |
| 55° | 7981.7 | 5736.7 | 2074.1 | 1518.7 | 1235.1 | 1176.9 | 1141.9 | 1044.8 | 959.4 | 924.4 | 905.0 |
| 57.5° | 8028.3 | 5857.1 | 1945.9 | 1367.2 | 1122.5 | 1106.9 | 1095.3 | 963.2 | 893.3 | 866.1 | 850.6 |
| 60° | 7705.9 | 5767.8 | 1778.9 | 1231.2 | 1033.2 | 1040.9 | 1009.8 | 912.7 | 831.2 | 804.0 | 788.5 |
| 62.5° | 7158.3 | 5534.7 | 1611.9 | 1114.7 | 963.2 | 978.8 | 947.7 | 850.6 | 769.0 | 741.9 | 734.1 |
| 63° | 7049.5 | 5472.6 | 1573.0 | 1103.1 | 947.7 | 967.1 | 939.9 | 842.8 | 761.3 | 734.1 | 722.4 |
| 65° | 6400.9 | 5099.7 | 1437.1 | 1040.9 | 897.2 | 897.2 | 901.1 | 804.0 | 734.1 | 722.4 | 714.7 |
| 67.5° | 5220.1 | 4256.9 | 1289.5 | 967.1 | 842.8 | 854.5 | 873.9 | 819.5 | 792.3 | 784.6 | 776.8 |
| 70° | 3946.2 | 3204.3 | 1161.3 | 897.2 | 784.6 | 823.4 | 955.5 | 932.2 | 831.2 | 761.3 | 745.7 |
| 72.5° | 2796.5 | 2182.8 | 1048.7 | 827.3 | 714.7 | 811.8 | 990.4 | 889.4 | 749.6 | 668.1 | 652.5 |
| 75° | 1872.1 | 1406.0 | 936.1 | 753.5 | 637.0 | 749.6 | 936.1 | 811.8 | 652.5 | 633.1 | 609.8 |
| 77.5° | 1176.9 | 1002.1 | 823.4 | 668.1 | 551.5 | 668.1 | 850.6 | 722.4 | 563.2 | 571.0 | 536.0 |
| 80° | 718.5 | 714.7 | 691.4 | 567.1 | 442.8 | 532.1 | 714.7 | 609.8 | 450.5 | 450.5 | 400.1 |
| 82.5° | 427.2 | 516.6 | 586.5 | 470.0 | 322.4 | 380.6 | 516.6 | 458.3 | 376.8 | 365.1 | 341.8 |
| 85° | 287.4 | 349.6 | 466.1 | 361.2 | 205.9 | 233.0 | 357.3 | 384.5 | 345.7 | 303.0 | 283.5 |
| 87.5° | 104.9 | 139.8 | 213.6 | 147.6 | 89.3 | 139.8 | 268.0 | 279.7 | 209.7 | 163.1 | 147.6 |
| 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



CCT = 5571K
 CIE x = 0.3308
 CIE y = 0.3476
 Duv = 0.0041

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

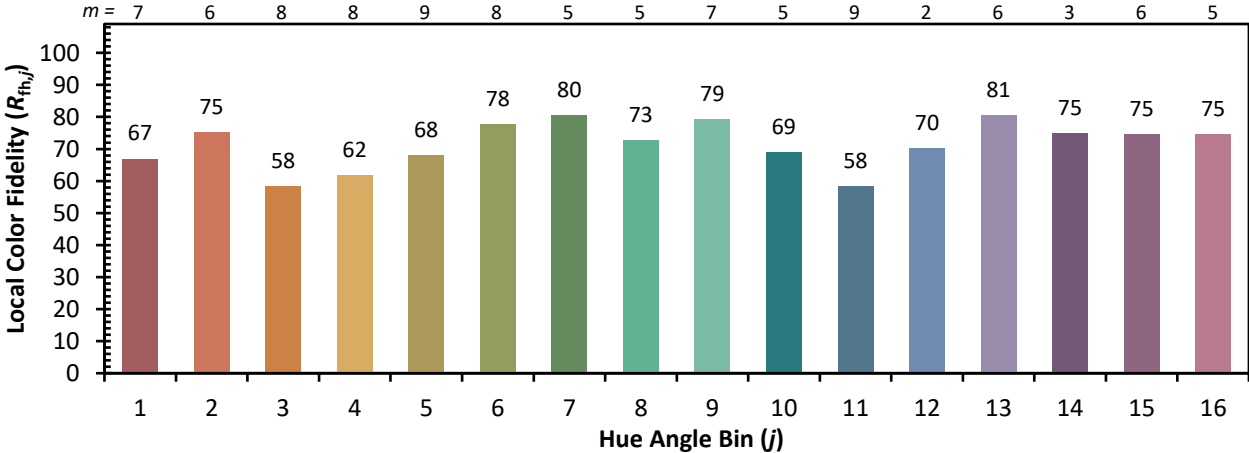


Individual Sample Fidelity Index ($R_{f,i}$)

| | | | |
|------------|------------|------------|------------|
| 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)