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: P1501356

Luminaire Tested: GSS-SB2D-722-U-T2LG

Issue Date: 07/20/2026

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501356
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2D-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 147W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15636.7 lumens
Efficiency:	N/A
Efficacy:	106.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B2 - U0 - G2

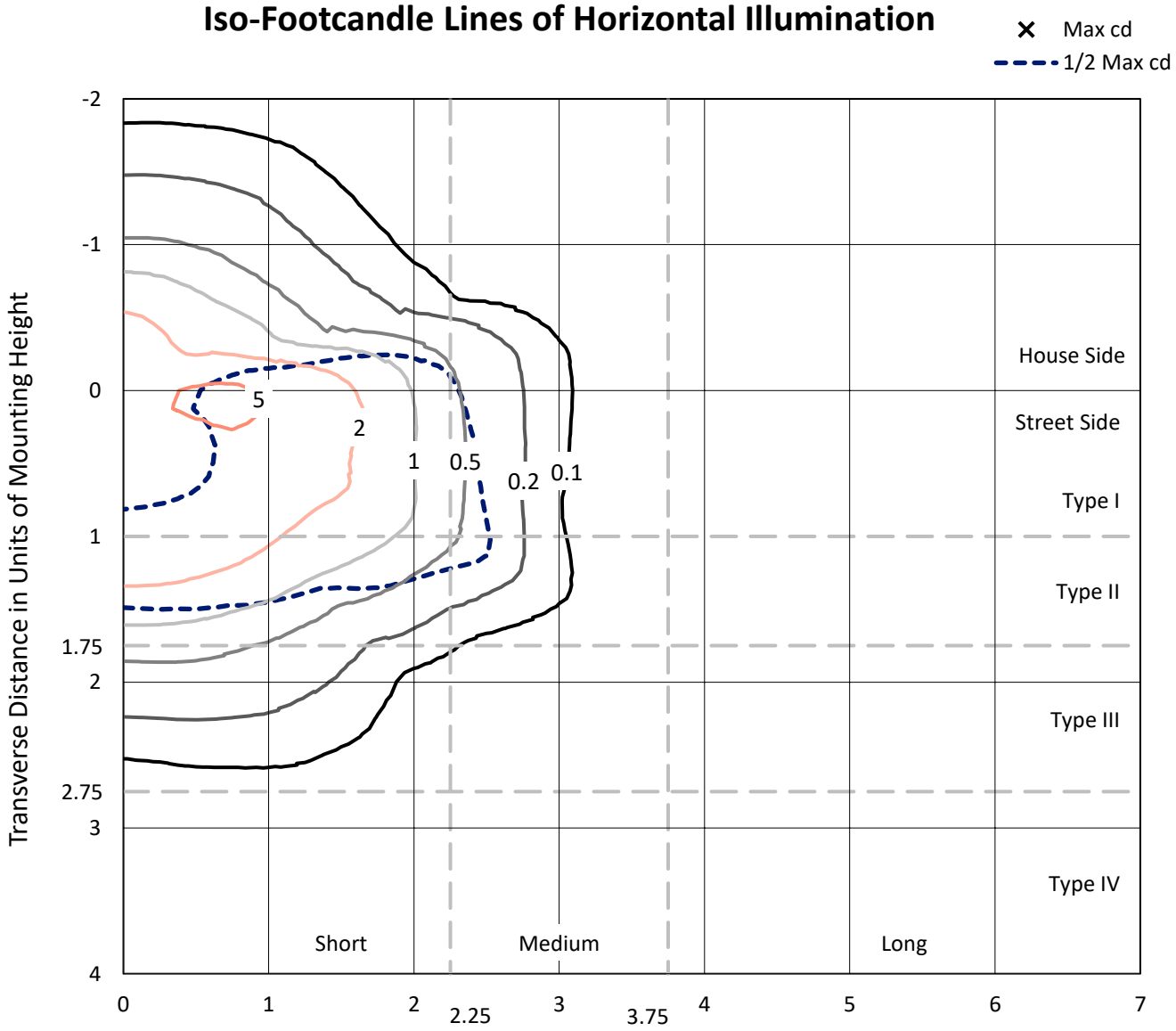
Input Watts (W):	147
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	3.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



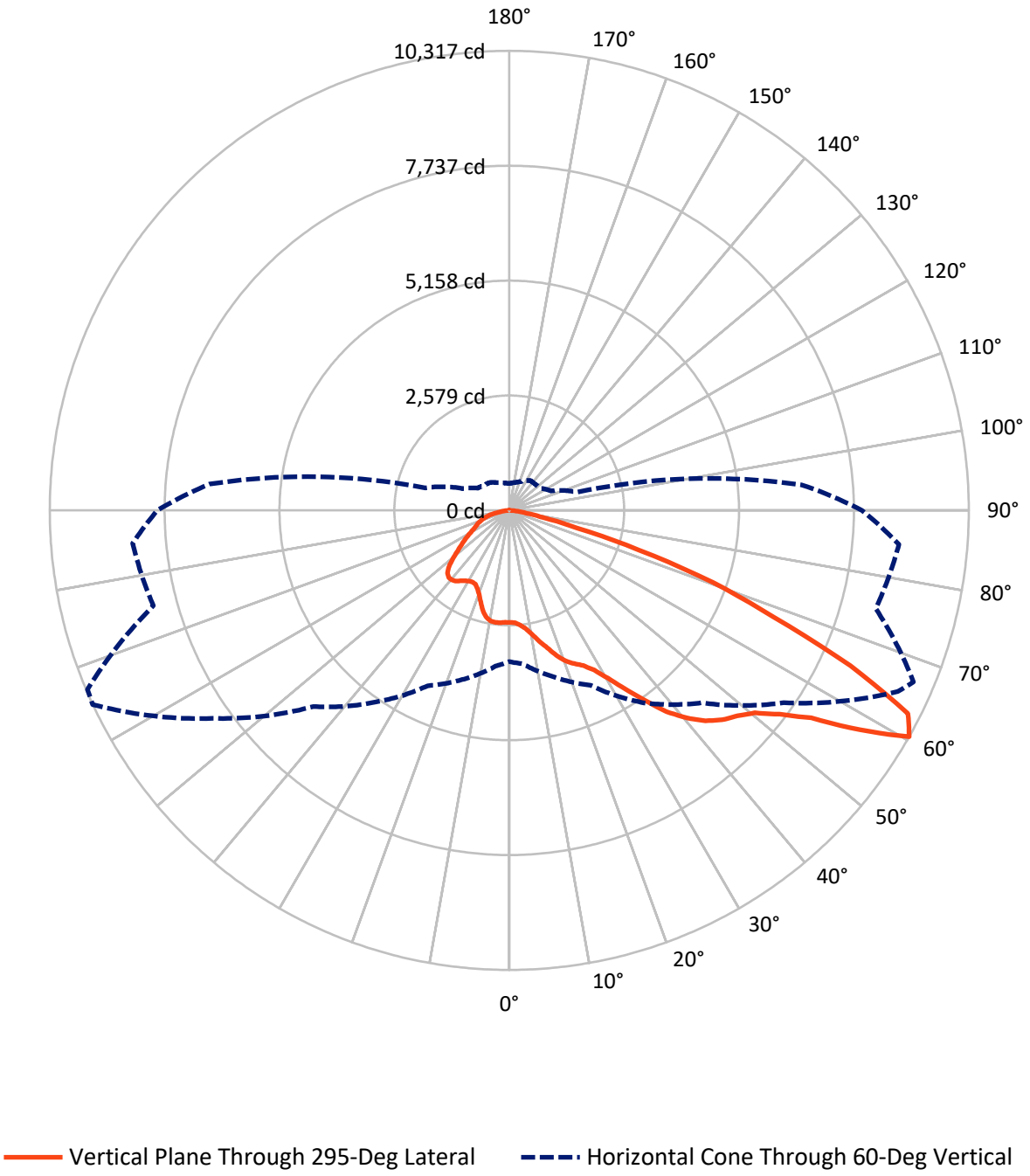
Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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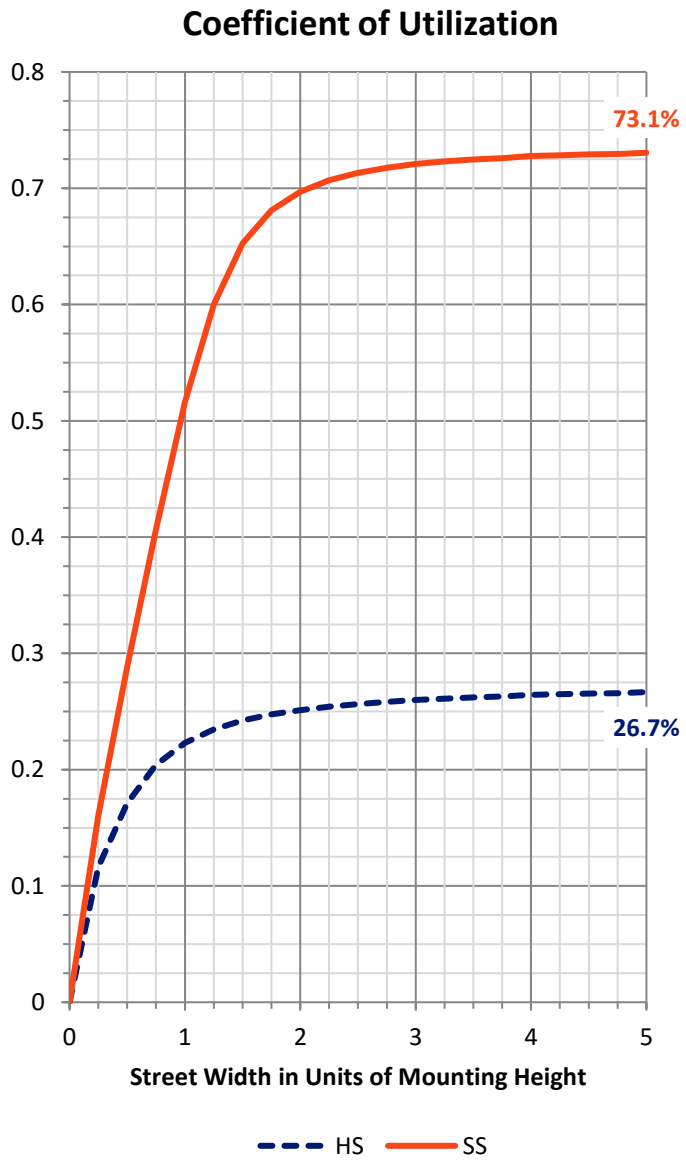
REPORT NUMBER: P1501356
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4204.9	0.0	4204.9
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	11431.8	0.0	11431.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	15636.7	0.0	15636.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	1.5
10°-20°	680.0	4.3
20°-30°	1288.0	8.2
30°-40°	2270.8	14.5
40°-50°	3358.2	21.5
50°-60°	3943.5	25.2
60°-70°	2857.2	18.3
70°-80°	881.1	5.6
80°-90°	121.3	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°	15636.7	100.0
0°-180°	15636.7	100.0



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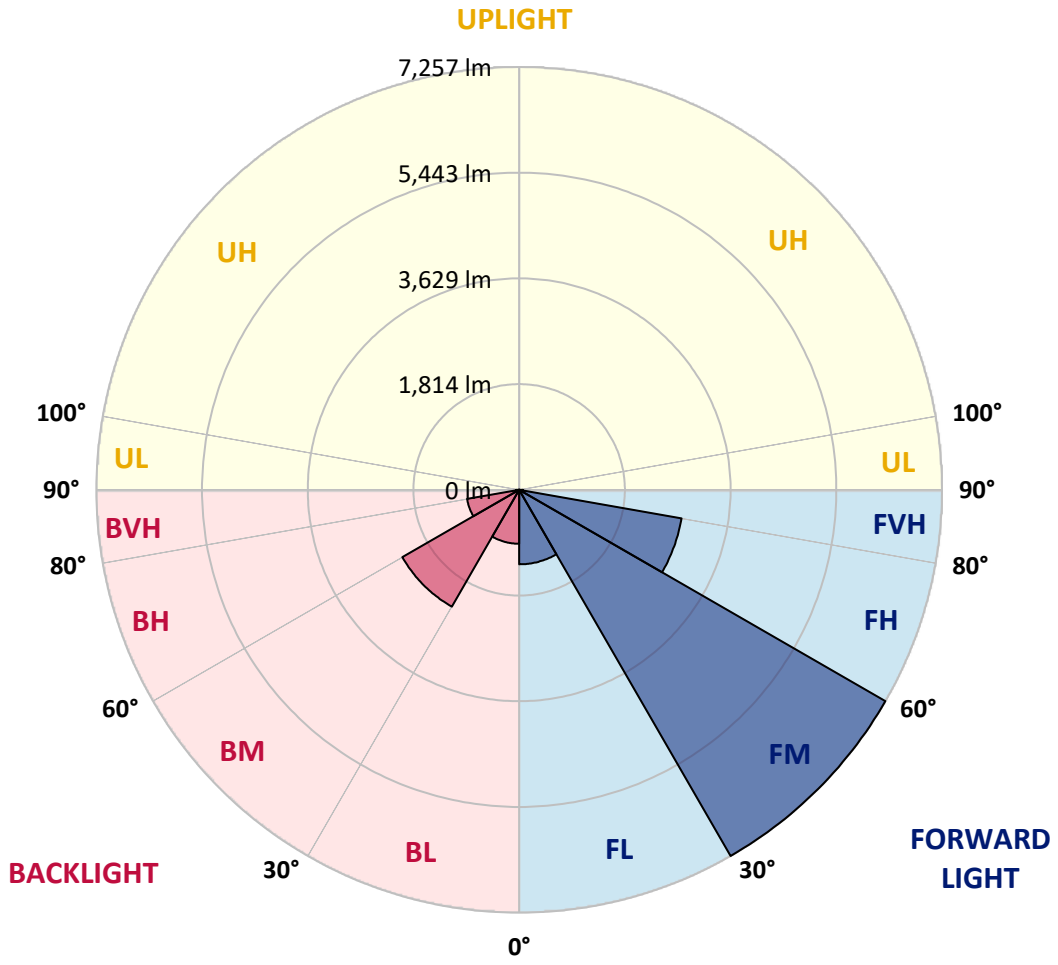
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1278.6	8.2			
FM	(30°-60°)	7257.1	46.4			
FH	(60°-80°)	2830.7	18.1			G2/5000
FVH	(80°-90°)	65.4	0.4			G1/100
BL	(0°-30°)	926.1	5.9	B2/1000		
BM	(30°-60°)	2315.3	14.8	B2/2500		
BH	(60°-80°)	907.6	5.8	B2/1000		G2/1000
BVH	(80°-90°)	55.9	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°	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9
2.5°	2565.8	2572.9	2562.2	2569.3	2569.3	2558.6	2555.1	2540.8	2547.9	2544.4	2540.8
5°	2626.3	2629.9	2622.8	2633.5	2633.5	2637.0	2633.5	2615.6	2615.6	2615.6	2608.5
7.5°	2608.5	2608.5	2612.1	2647.7	2683.4	2729.7	2729.7	2722.6	2729.7	2726.1	2694.0
10°	2458.9	2473.1	2505.2	2594.3	2679.8	2779.6	2847.3	2868.7	2868.7	2872.2	2818.8
12.5°	2191.6	2202.3	2277.1	2412.5	2590.7	2772.4	2936.4	3043.3	3054.0	3071.8	3000.5
15°	1952.8	1960.0	2013.4	2152.4	2355.5	2676.2	2986.3	3207.2	3242.8	3317.7	3210.8
17.5°	1974.2	1970.6	1984.9	2038.4	2184.5	2519.4	2975.6	3399.6	3463.8	3595.6	3503.0
20°	2102.5	2102.5	2113.2	2123.9	2177.3	2405.4	2897.2	3556.4	3681.2	3937.7	3830.8
22.5°	2305.6	2305.6	2302.1	2319.9	2319.9	2455.3	2900.7	3674.0	3859.3	4319.0	4215.7
25°	2587.1	2572.9	2572.9	2580.0	2547.9	2644.2	2989.8	3795.2	4037.5	4771.6	4682.5
27.5°	2904.3	2915.0	2907.9	2882.9	2840.2	2915.0	3203.6	3984.1	4237.1	5249.1	5213.5
30°	3250.0	3253.5	3260.7	3246.4	3210.8	3264.2	3538.6	4269.1	4500.8	5748.0	5826.4
32.5°	3588.5	3638.4	3620.6	3584.9	3599.2	3695.4	3952.0	4654.0	4892.8	6211.3	6489.2
35°	4019.7	4037.5	4108.8	3976.9	3980.5	4144.4	4479.4	5160.0	5391.7	6692.4	7152.1
37.5°	4646.9	4678.9	4646.9	4440.2	4408.1	4636.2	4992.5	5658.9	5826.4	7055.8	7768.5
40°	5263.4	5302.6	5356.0	5113.7	4910.6	5099.4	5477.2	6040.2	6214.8	7255.4	8178.4
42.5°	5773.0	5837.1	5780.1	5708.8	5523.5	5559.1	5815.7	6336.0	6510.6	7508.4	8591.7
45°	6204.1	6214.8	6239.8	6189.9	6097.2	6065.2	6104.4	6596.1	6788.6	7622.4	8794.9
47.5°	6382.3	6428.7	6450.0	6535.6	6631.8	6567.6	6350.3	6717.3	6891.9	7615.3	8859.0
50°	6286.1	6332.4	6446.5	6649.6	6881.2	6995.3	6638.9	6884.8	7080.8	7743.6	8990.8
52.5°	6033.1	6083.0	6268.3	6499.9	6888.4	7148.5	7045.1	7234.0	7422.9	7971.7	9211.8
55°	5420.2	5495.0	5755.1	6140.0	6674.5	7066.5	7472.8	7747.2	7953.9	8246.1	9439.9
57.5°	4529.3	4607.7	4899.9	5477.2	6279.0	6728.0	7597.5	8709.3	8802.0	8573.9	9461.2
60°	*3392.5*	*3456.6*	*3870.0*	*4333.3*	*5274.1*	*6107.9*	*7526.2*	*9621.6*	*9856.8*	*8516.9*	*8780.6*
62.5°	2686.9	2765.3	3132.4	3346.2	4019.7	5046.0	7276.8	9874.6	10077.7	8046.5	7832.7
65°	2098.9	2152.4	2494.5	2801.0	2964.9	3446.0	6236.2	8638.1	8819.8	7280.3	6464.3
67.5°	1386.2	1468.2	1874.4	2294.9	2380.5	2191.6	4290.5	6646.0	6731.6	5787.2	4860.7
70°	994.2	1033.4	1336.3	1785.3	1913.6	1468.2	2337.7	5031.7	5056.7	3884.3	3274.9
72.5°	677.1	684.2	908.7	1368.4	1525.2	1065.5	1286.4	3314.1	3228.6	1917.2	1874.4
75°	459.7	466.8	580.9	912.3	1079.8	741.2	837.4	1806.7	1735.5	1058.4	1136.8
77.5°	310.0	317.2	399.1	612.9	719.8	513.2	612.9	955.0	937.2	702.0	609.4
80°	235.2	245.9	295.8	392.0	502.5	299.3	349.2	452.6	459.7	374.2	310.0
82.5°	131.9	146.1	178.2	199.6	324.3	167.5	167.5	270.8	260.1	231.6	167.5
85°	57.0	60.6	71.3	74.8	131.9	71.3	60.6	117.6	121.2	114.0	53.5
87.5°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	14.3	14.3	14.3	14.3
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°	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9
2.5°	2523.0	2544.4	2523.0	2512.3	2512.3	2494.5	2487.4	2487.4	2462.4	2473.1	2466.0
5°	2580.0	2587.1	2562.2	2530.1	2487.4	2451.7	2401.8	2337.7	2298.5	2294.9	2298.5
7.5°	2669.1	2672.7	2605.0	2533.7	2426.8	2298.5	2145.3	2020.5	1910.1	1892.2	1913.6
10°	2793.8	2786.7	2686.9	2519.4	2294.9	2024.1	1788.9	1674.9	1610.7	1607.2	1603.6
12.5°	2961.3	2915.0	2761.8	2458.9	2066.9	1753.3	1632.1	1625.0	1642.8	1657.1	1660.6
15°	3153.7	3093.2	2822.3	2341.3	1835.2	1653.5	1660.6	1721.2	1742.6	1756.8	1756.8
17.5°	3392.5	3314.1	2890.0	2173.8	1717.6	1674.9	1724.8	1781.8	1817.4	1831.7	1828.1
20°	3709.7	3545.7	2943.5	2013.4	1685.6	1710.5	1753.3	1810.3	1845.9	1863.7	1863.7
22.5°	4026.8	3823.7	2954.2	1902.9	1685.6	1714.1	1753.3	1810.3	1849.5	1867.3	1863.7
25°	4458.0	4180.0	2957.8	1824.5	1689.1	1696.3	1731.9	1781.8	1838.8	1856.6	1863.7
27.5°	4917.7	4572.0	2975.6	1806.7	1674.9	1671.3	1696.3	1742.6	1799.6	1845.9	1849.5
30°	5487.9	5013.9	2982.7	1824.5	1678.4	1632.1	1649.9	1696.3	1756.8	1803.2	1817.4
32.5°	6047.4	5423.7	2968.4	1863.7	1685.6	1607.2	1610.7	1639.2	1703.4	1735.5	1760.4
35°	6638.9	5858.5	2943.5	1917.2	1689.1	1596.5	1564.4	1578.7	1621.4	1625.0	1635.7
37.5°	7102.2	6182.8	2868.7	1988.5	1696.3	1557.3	1493.1	1482.4	1464.6	1429.0	1436.1
40°	7483.5	6400.1	2743.9	2024.1	1678.4	1510.9	1404.0	1354.2	1286.4	1233.0	1243.7
42.5°	7757.9	6546.2	2594.3	2031.2	1649.9	1432.5	1300.7	1215.2	1140.3	1083.3	1086.9
45°	7879.0	6532.0	2433.9	1977.8	1582.2	1336.3	1204.5	1122.5	1040.6	980.0	972.9
47.5°	7882.6	6393.0	2213.0	1849.5	1468.2	1225.9	1115.4	1026.3	958.6	915.8	912.3
50°	7911.1	6314.6	2006.3	1664.2	1318.5	1108.3	1037.0	947.9	908.7	848.1	830.3
52.5°	8089.3	6442.9	1863.7	1461.1	1179.5	1022.7	969.3	890.9	826.7	787.5	784.0
55°	8377.9	6663.8	1785.3	1307.8	1047.7	940.8	905.1	837.4	780.4	741.2	730.5
57.5°	8413.6	6777.9	1692.7	1165.3	940.8	876.6	862.4	787.5	705.6	677.1	666.4
60°	*7914.7*	*6585.4*	*1578.7*	*1033.4*	*862.4*	*826.7*	*819.6*	*719.8*	*652.1*	*616.5*	*602.2*
62.5°	7234.0	6104.4	1404.0	912.3	801.8	776.9	748.3	669.9	584.4	545.2	534.5
65°	5911.9	5131.5	1193.8	830.3	741.2	712.7	705.6	598.7	541.7	520.3	516.7
67.5°	4479.4	4123.0	1051.2	769.7	677.1	666.4	641.4	605.8	580.9	555.9	548.8
70°	3168.0	2975.6	894.5	691.3	612.9	595.1	698.5	659.3	570.2	538.1	534.5
72.5°	1920.8	1867.3	773.3	620.1	527.4	555.9	645.0	595.1	513.2	474.0	459.7
75°	1211.6	1108.3	648.6	527.4	420.5	452.6	563.0	531.0	441.9	402.7	392.0
77.5°	659.3	612.9	488.2	431.2	331.4	367.0	491.8	438.3	352.8	384.9	342.1
80°	288.6	320.7	324.3	249.4	220.9	270.8	352.8	342.1	270.8	274.4	228.1
82.5°	139.0	181.7	210.2	171.1	124.7	160.4	235.2	196.0	181.7	171.1	163.9
85°	42.8	67.7	92.7	82.0	57.0	67.7	110.5	106.9	128.3	110.5	103.3
87.5°	14.3	14.3	10.7	10.7	10.7	14.3	17.8	10.7	3.6	3.6	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°	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9
2.5°	2462.4	2466.0	2466.0	2469.5	2469.5	2480.2	2494.5	2508.7	2498.1	2512.3	2515.9
5°	2291.4	2309.2	2323.4	2376.9	2419.7	2455.3	2494.5	2530.1	2540.8	2547.9	2565.8
7.5°	1888.7	1938.6	2031.2	2152.4	2287.8	2419.7	2508.7	2601.4	2615.6	2633.5	2658.4
10°	1607.2	1628.5	1692.7	1817.4	2059.7	2319.9	2537.3	2683.4	2743.9	2779.6	2804.5
12.5°	1653.5	1639.2	1628.5	1646.4	1803.2	2138.1	2519.4	2801.0	2915.0	2954.2	2986.3
15°	1764.0	1749.7	1710.5	1660.6	1678.4	1945.7	2458.9	2911.4	3093.2	3157.3	3225.0
17.5°	1828.1	1813.8	1781.8	1728.3	1682.0	1785.3	2344.8	3011.2	3374.7	3453.1	3549.3
20°	1863.7	1849.5	1817.4	1764.0	1710.5	1724.8	2198.7	3135.9	3695.4	3820.1	3962.7
22.5°	1870.9	1853.0	1817.4	1764.0	1731.9	1721.2	2059.7	3210.8	4041.1	4233.5	4397.4
25°	1867.3	1835.2	1788.9	1749.7	1731.9	1728.3	1963.5	3253.5	4415.2	4721.7	4907.0
27.5°	1842.4	1803.2	1756.8	1728.3	1721.2	1742.6	1920.8	3303.4	4853.6	5245.6	5541.3
30°	1813.8	1756.8	1699.8	1689.1	1706.9	1774.7	1956.4	3321.2	5313.3	5815.7	6118.6
32.5°	1739.0	1696.3	1639.2	1635.7	1678.4	1799.6	2038.4	3296.3	5719.5	6385.9	6767.2
35°	1632.1	1607.2	1575.1	1585.8	1653.5	1821.0	2095.4	3217.9	6090.1	6916.9	7362.3
37.5°	1443.2	1461.1	1478.9	1503.8	1589.3	1817.4	2120.3	3093.2	6396.6	7340.9	7911.1
40°	1233.0	1293.6	1350.6	1414.7	1528.8	1788.9	2127.4	2939.9	6574.8	7661.6	8399.3
42.5°	1101.1	1158.2	1229.4	1322.1	1446.8	1724.8	2120.3	2768.9	6631.8	7882.6	8709.3
45°	980.0	1047.7	1136.8	1233.0	1375.5	1632.1	2056.2	2583.6	6660.3	7985.9	8841.2
47.5°	915.8	955.0	1037.0	1133.2	1282.9	1518.1	1931.4	2448.2	6617.5	8007.3	9001.5
50°	841.0	894.5	947.9	1040.6	1186.7	1375.5	1781.8	2369.8	6688.8	8217.6	9254.6
52.5°	784.0	812.5	869.5	955.0	1061.9	1243.7	1639.2	2305.6	6884.8	8431.4	9518.3
55°	741.2	773.3	808.9	880.2	962.2	1111.8	1493.1	2209.4	7112.9	8659.4	9782.0
57.5°	673.5	694.9	744.8	819.6	873.1	983.5	1322.1	2095.4	7095.0	8481.3	9325.8
60°	*612.9*	*634.3*	*687.8*	*762.6*	*794.7*	*869.5*	*1154.6*	*1949.3*	*6752.9*	*7900.4*	*8484.8*
62.5°	545.2	570.2	634.3	687.8	716.3	773.3	980.0	1682.0	6040.2	7027.3	7501.3
65°	516.7	531.0	573.7	637.9	634.3	687.8	826.7	1322.1	4860.7	5370.3	5801.5
67.5°	548.8	570.2	563.0	580.9	570.2	598.7	741.2	1061.9	3820.1	4044.6	4294.1
70°	541.7	591.6	616.5	580.9	498.9	531.0	641.4	848.1	2733.2	2711.9	2701.2
72.5°	474.0	523.8	595.1	630.7	488.2	441.9	555.9	734.1	1753.3	1746.1	1578.7
75°	402.7	438.3	523.8	570.2	420.5	356.4	477.5	623.6	1047.7	1061.9	947.9
77.5°	370.6	352.8	438.3	502.5	342.1	274.4	384.9	470.4	577.3	584.4	541.7
80°	267.3	256.6	327.8	367.0	260.1	196.0	217.4	292.2	310.0	278.0	288.6
82.5°	171.1	174.6	196.0	235.2	160.4	106.9	149.7	196.0	167.5	135.4	160.4
85°	110.5	124.7	103.3	121.2	49.9	49.9	64.1	85.5	57.0	39.2	42.8
87.5°	0.0	0.0	7.1	14.3	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: P1501356
CATALOG NUMBER: GSS-SB2D-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2515.9	2515.9	*2515.9*	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9	2515.9
2.5°	2526.6	2523.0	*2523.0*	2530.1	2547.9	2555.1	2565.8	2562.2	2572.9	2565.8
5°	2576.4	2580.0	*2590.7*	2594.3	2605.0	2619.2	2622.8	2619.2	2626.3	2626.3
7.5°	2676.2	2690.5	*2683.4*	2701.2	2686.9	2669.1	2640.6	2619.2	2601.4	2608.5
10°	2843.7	2836.6	*2833.0*	2801.0	2736.8	2644.2	2569.3	2487.4	2473.1	2458.9
12.5°	3029.0	3021.9	*3021.9*	2911.4	2729.7	2537.3	2366.2	2237.9	2195.1	2191.6
15°	3289.2	3242.8	*3200.1*	2968.4	2605.0	2277.1	2077.6	1977.8	1952.8	1952.8
17.5°	3613.4	3492.3	*3421.0*	2925.7	2401.8	2106.1	1988.5	1963.5	1956.4	1974.2
20°	4016.1	3709.7	*3606.3*	2829.5	2327.0	2127.4	2070.4	2074.0	2077.6	2102.5
22.5°	4458.0	3909.2	*3738.2*	2829.5	2401.8	2262.9	2234.3	2273.5	2284.2	2305.6
25°	4949.8	4087.4	*3855.8*	2979.1	2622.8	2519.4	2483.8	2523.0	2551.5	2587.1
27.5°	5502.1	4272.7	*4058.9*	3250.0	2907.9	2843.7	2804.5	2822.3	2861.5	2904.3
30°	5997.5	4582.7	*4368.9*	3663.3	3296.3	3217.9	3150.2	3178.7	3221.5	3250.0
32.5°	6435.8	4960.5	*4778.7*	4098.1	3741.7	3606.3	3531.5	3524.4	3609.9	3588.5
35°	6838.5	5405.9	*5231.3*	4593.4	4194.3	4026.8	3927.0	4055.3	3998.3	4019.7
37.5°	7155.6	5869.2	*5730.2*	5067.4	4664.7	4436.6	4376.0	4532.8	4621.9	4646.9
40°	7415.8	6271.9	*6125.8*	5537.8	5095.9	4928.4	5024.6	5284.8	5274.1	5263.4
42.5°	7615.3	6617.5	*6457.2*	5894.1	5509.3	5541.3	5616.2	5790.8	5833.5	5773.0
45°	7704.4	6834.9	*6706.6*	6175.6	5979.6	6164.9	6197.0	6271.9	6243.3	6204.1
47.5°	7807.7	7027.3	*6891.9*	6432.2	6489.2	6671.0	6606.8	6546.2	6442.9	6382.3
50°	7982.4	7255.4	*7141.4*	6806.4	7013.1	6952.5	6703.0	6567.6	6357.4	6286.1
52.5°	8313.8	7686.6	*7601.1*	7397.9	7259.0	6909.7	6606.8	6364.5	6129.3	6033.1
55°	8609.5	8271.0	*8221.1*	7950.3	7184.1	6685.2	6279.0	5904.8	5502.1	5420.2
57.5°	8780.6	9240.3	*9297.3*	8185.5	6842.0	6175.6	5577.0	4978.3	4597.0	4529.3
60°	*8271.0*	*10288.0*	*10316.5*	*8139.2*	*6225.5*	*5256.2*	*4344.0*	*3919.9*	*3510.1*	*3392.5*
62.5°	7569.0	10070.6	*10045.7*	7861.2	4956.9	3834.4	3299.9	3100.3	2783.1	2686.9
65°	6507.1	8388.6	*8417.1*	6792.1	3296.3	2772.4	2772.4	2519.4	2166.6	2098.9
67.5°	5302.6	6467.9	*6403.7*	4404.6	2024.1	2220.1	2327.0	1963.5	1468.2	1386.2
70°	3446.0	4939.1	*4850.0*	2540.8	1272.2	1849.5	1831.7	1475.3	1051.2	994.2
72.5°	1482.4	2854.4	*3036.1*	1297.1	958.6	1489.6	1461.1	1033.4	702.0	677.1
75°	894.5	1436.1	*1564.4*	826.7	698.5	1122.5	1012.0	655.7	477.5	459.7
77.5°	566.6	787.5	*780.4*	620.1	523.8	759.0	680.6	452.6	324.3	310.0
80°	327.8	388.4	*402.7*	388.4	352.8	541.7	434.8	327.8	253.0	235.2
82.5°	210.2	242.3	*245.9*	188.9	196.0	349.2	235.2	192.4	146.1	131.9
85°	92.7	103.3	*99.8*	64.1	64.1	142.5	82.0	78.4	57.0	57.0
87.5°	3.6	7.1	*3.6*	3.6	3.6	14.3	7.1	10.7	10.7	10.7
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

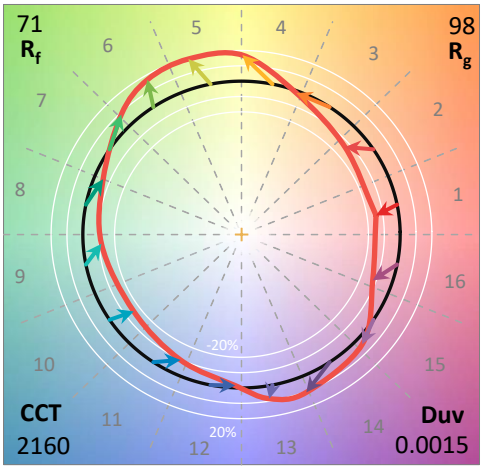
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

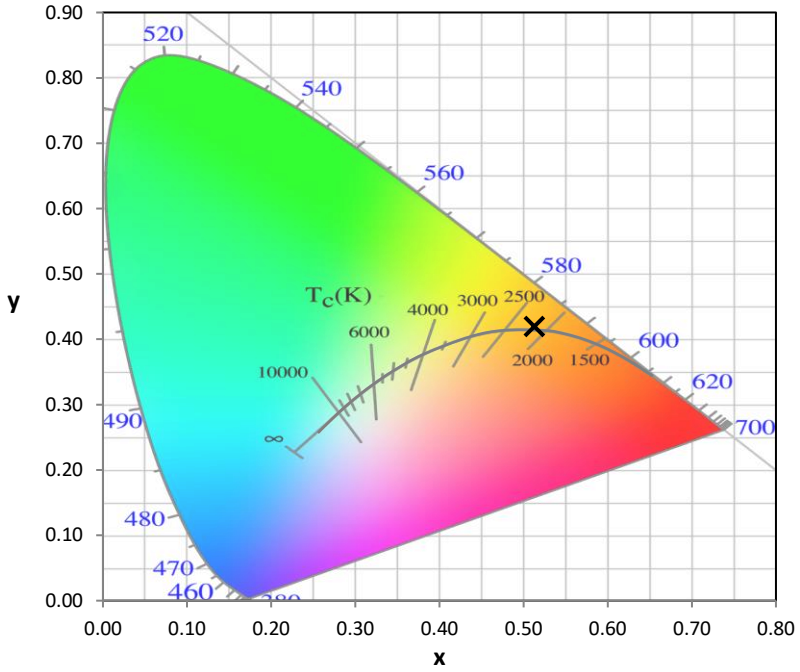
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

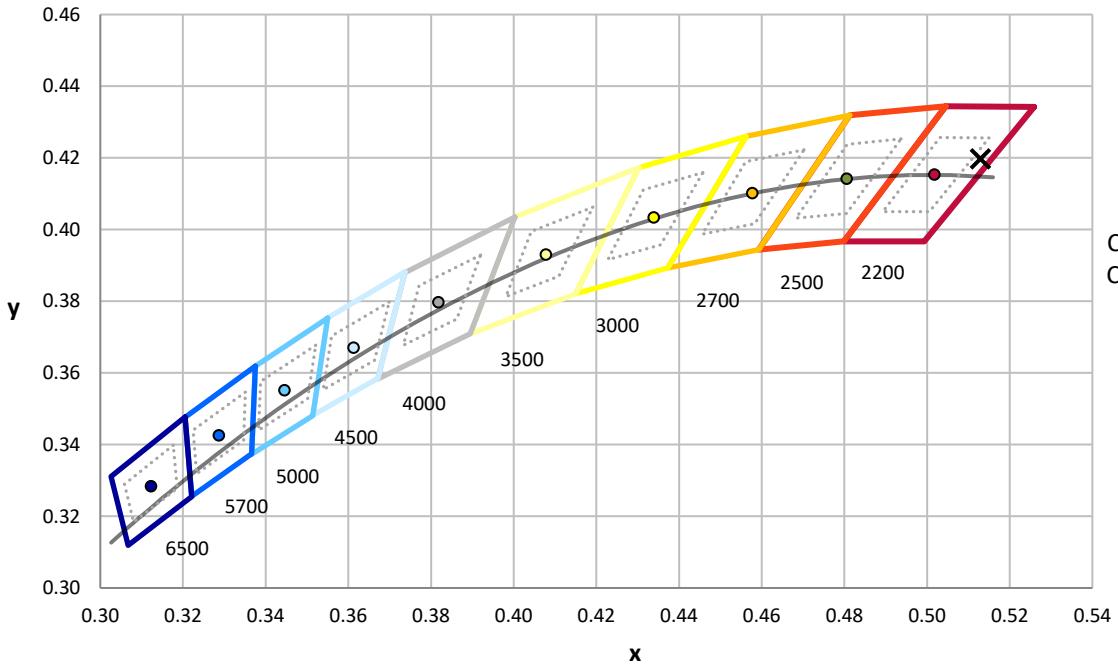
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

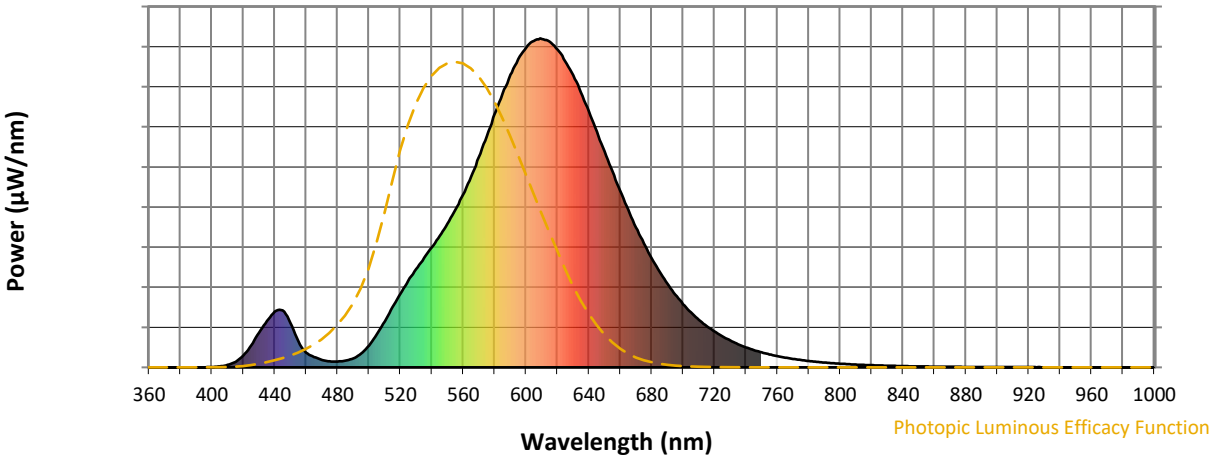


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

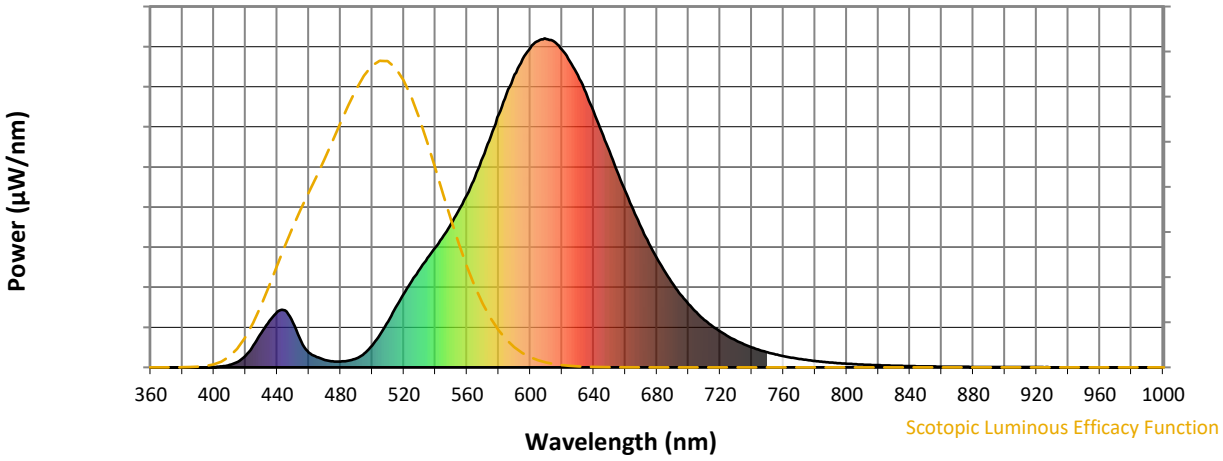


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

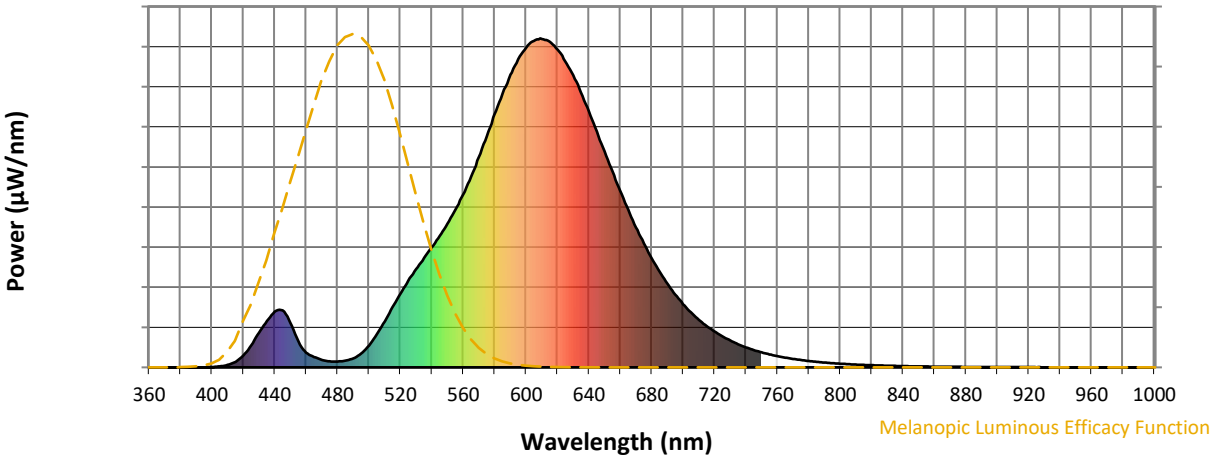


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

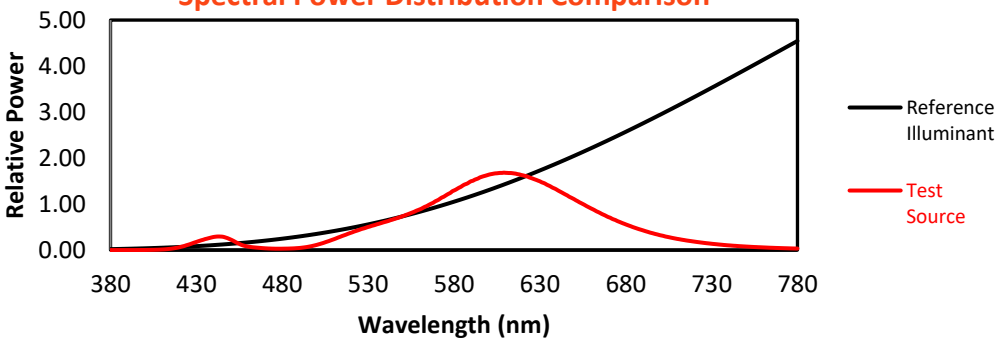
REPORT NUMBER: SP1-2407-184-2

TM-30-18

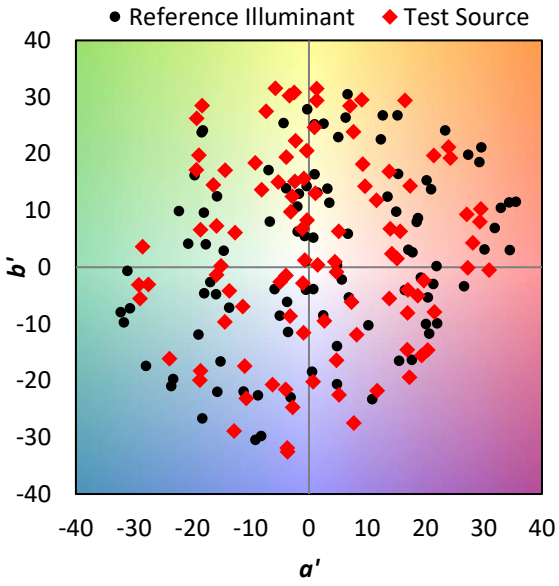
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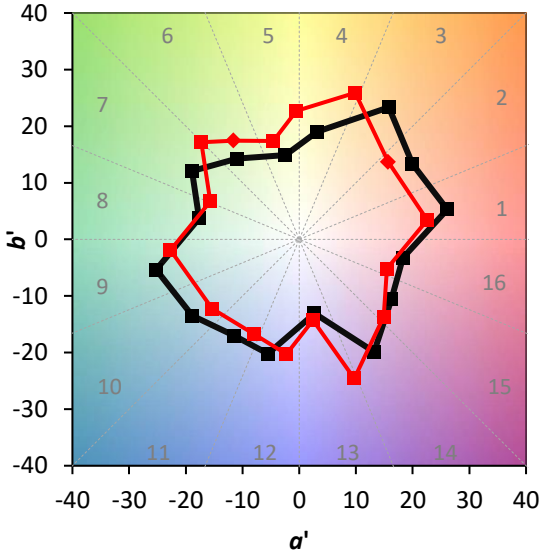
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

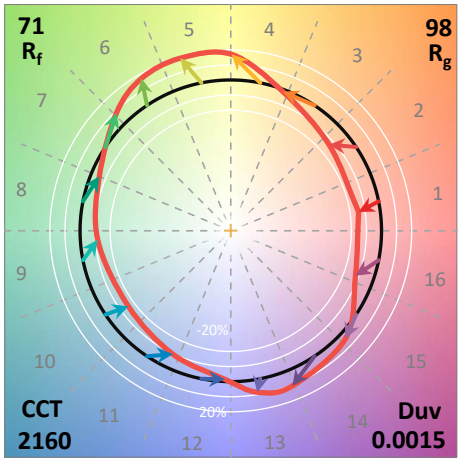
Spectral Power Distribution Comparison

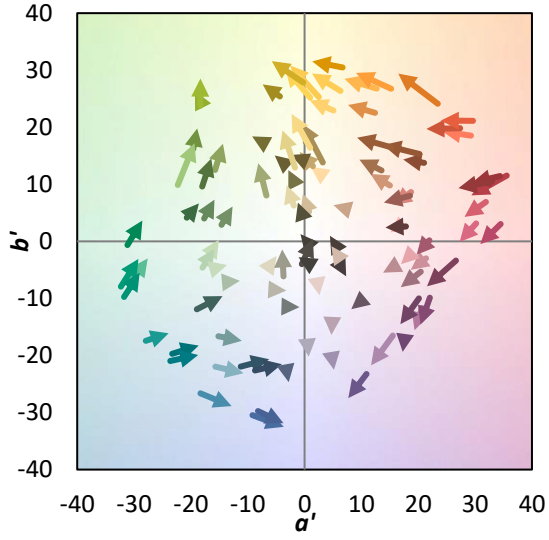


Color Vector Graphics







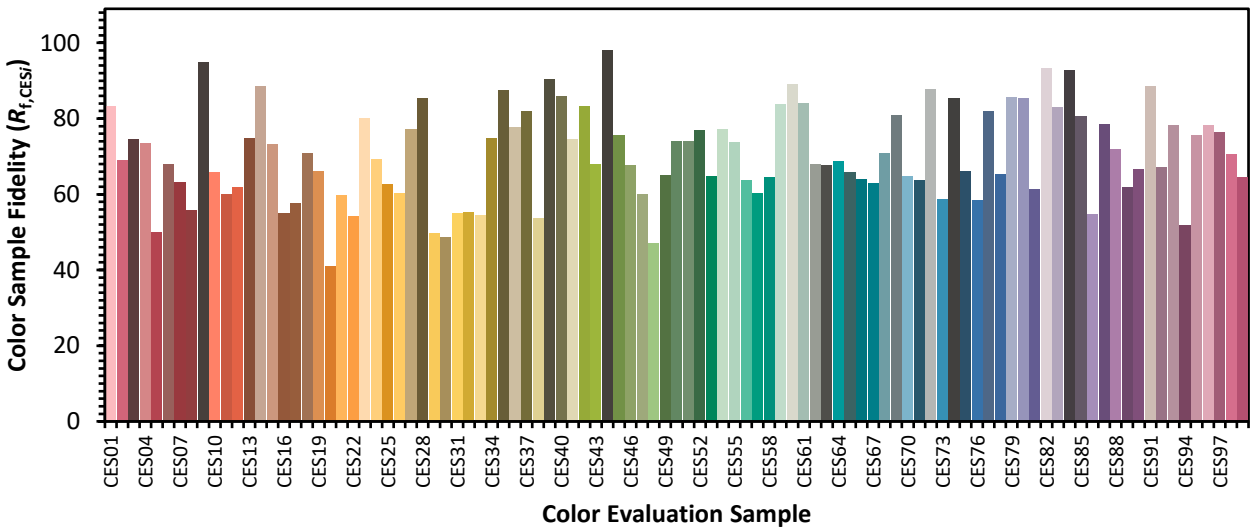


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Individual Sample Fidelity Index ($R_{f,i}$)

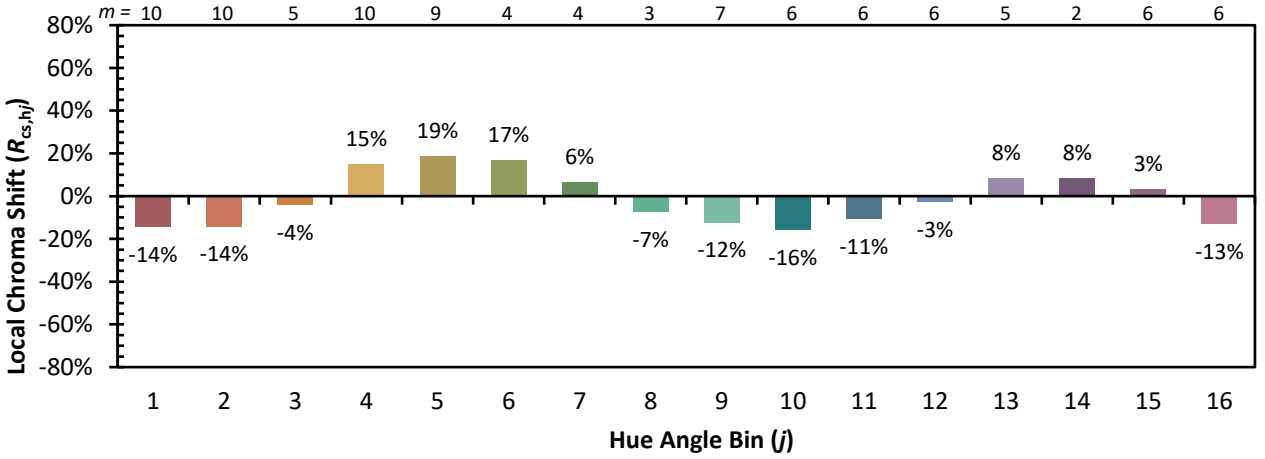
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

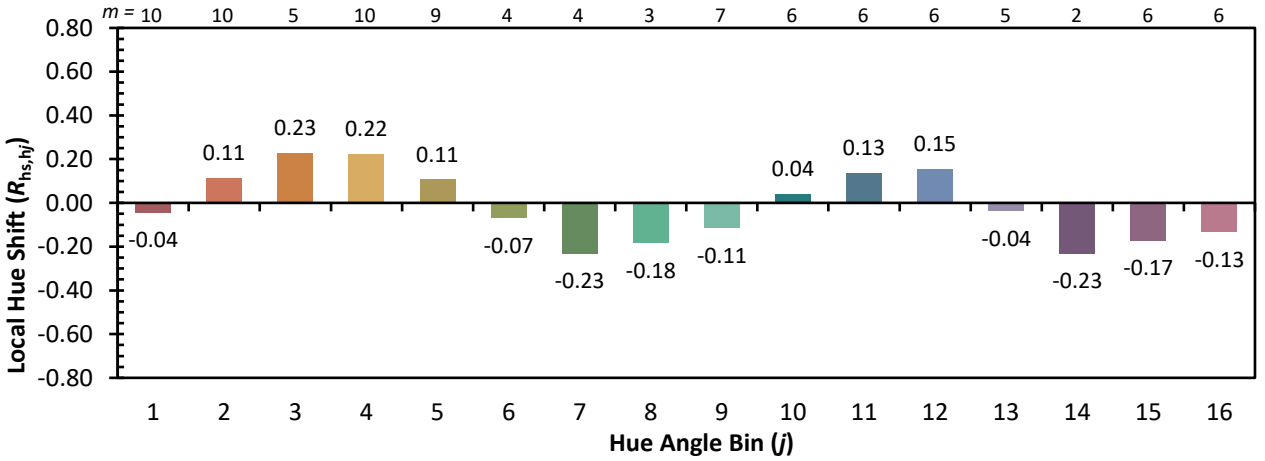


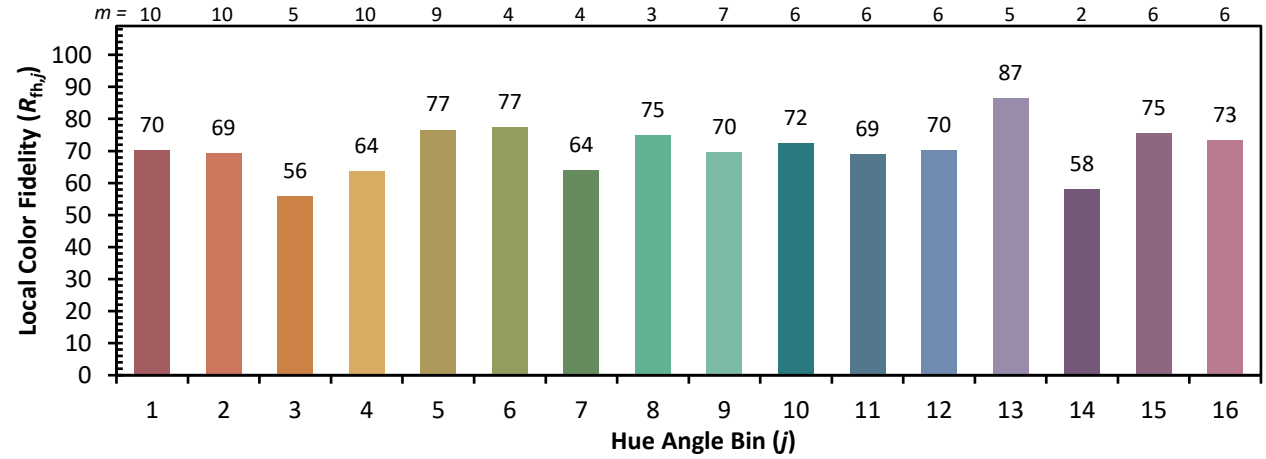
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Color Rendition by Hue-Angle Bin



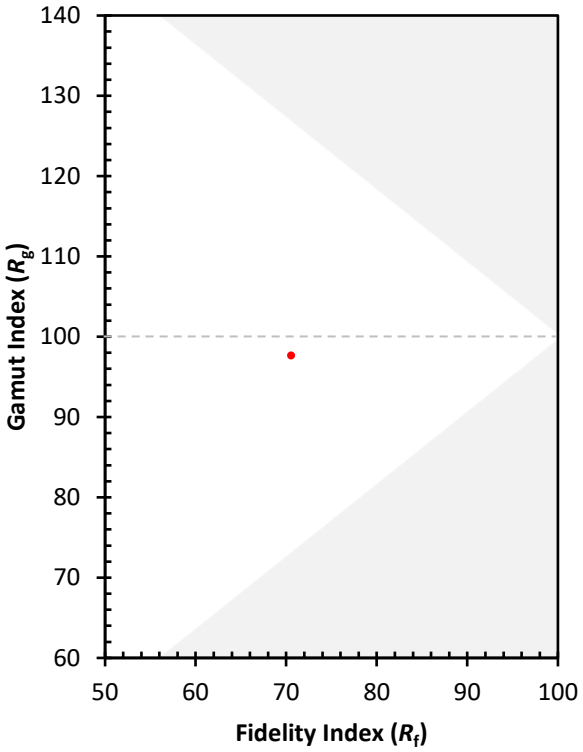


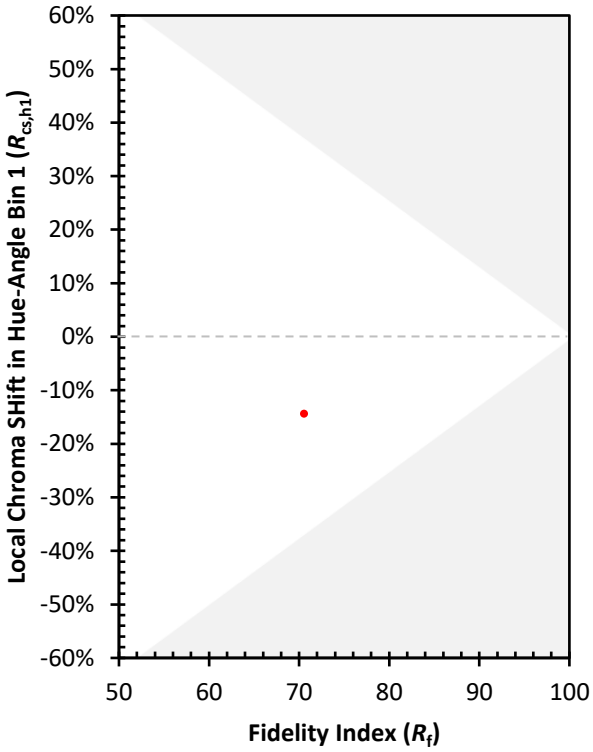


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Measure Comparisons





(END OF REPORT)