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: P1501362

Luminaire Tested: GSS-SB4B-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:	P1501362
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4B-722-U-T2LG
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 148W 70CRI 2200K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18066.7 lumens
Efficiency:	N/A
Efficacy:	122.1 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G3

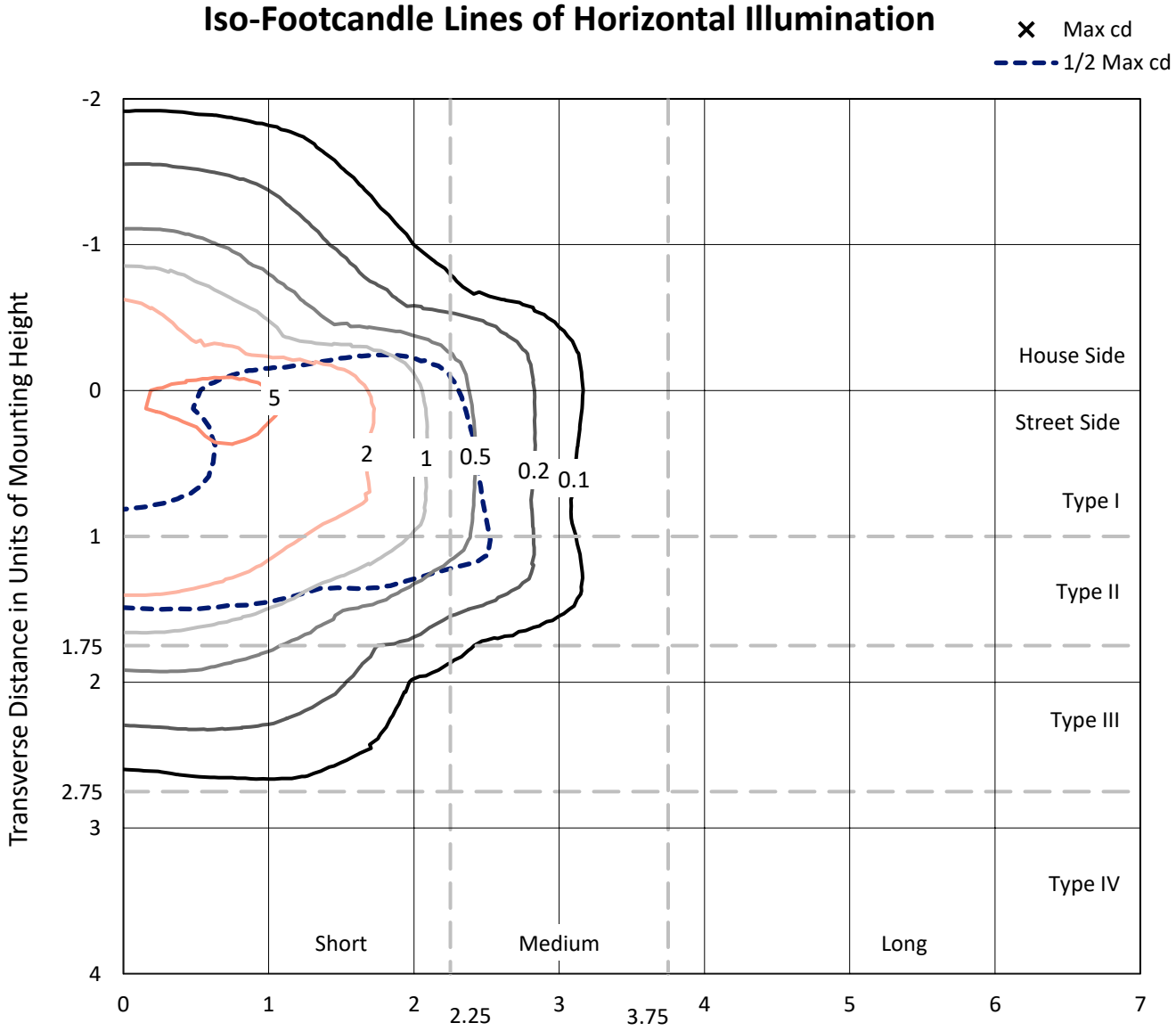
Input Watts (W):	148
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	13.6%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



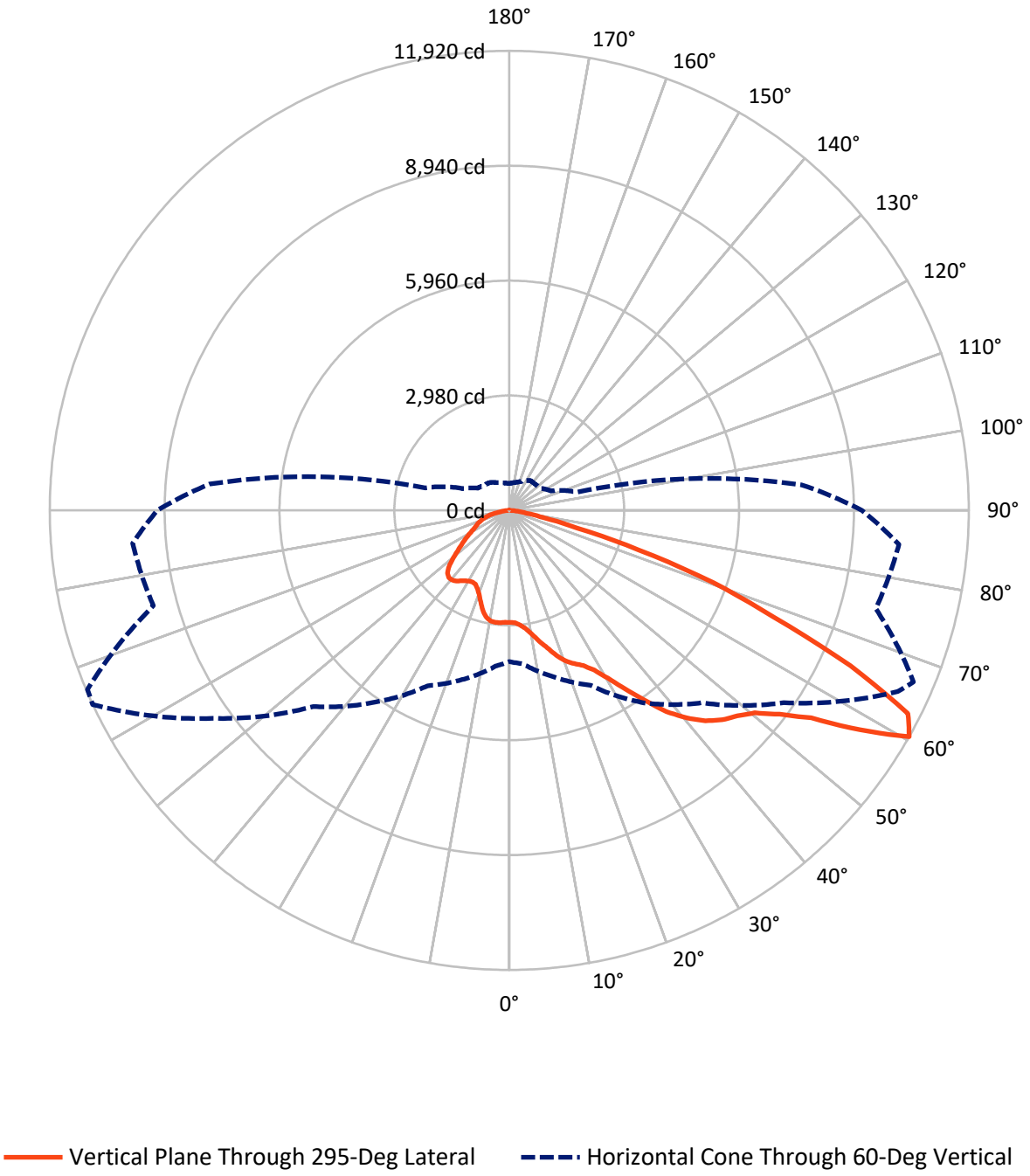
Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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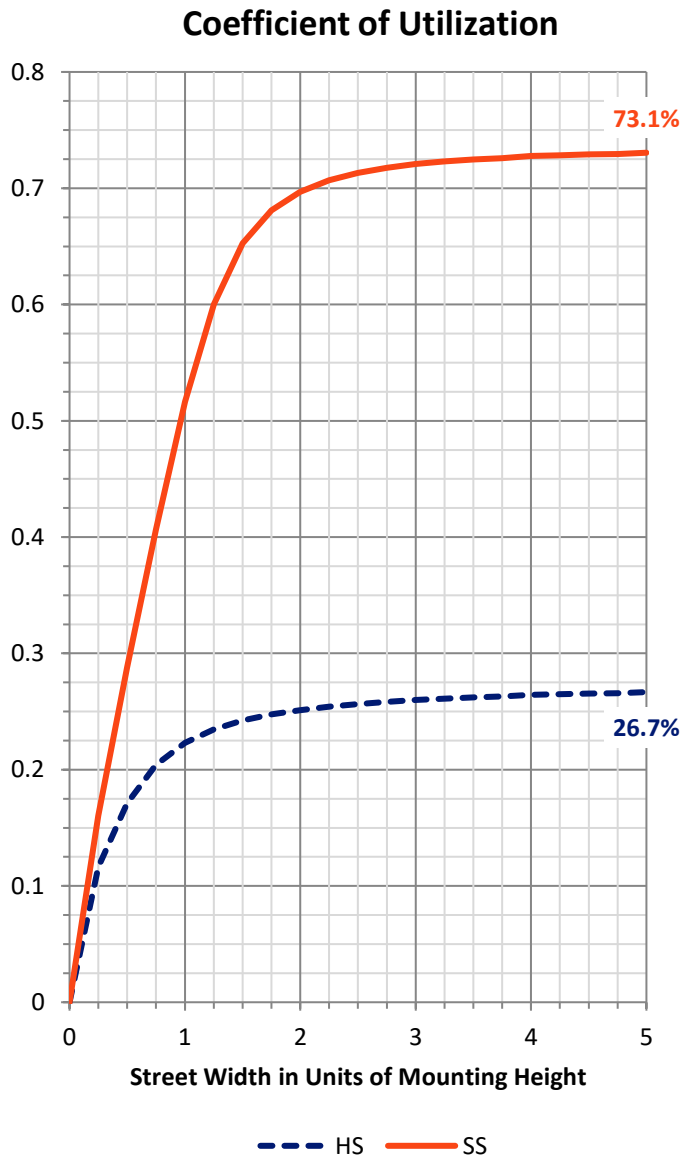
REPORT NUMBER: P1501362
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4858.4	0.0	4858.4
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	13208.4	0.0	13208.4
	% Fixture	73.1	0.0	73.1
Total	Lumens	18066.7	0.0	18066.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	1.5
10°-20°	785.7	4.3
20°-30°	1488.2	8.2
30°-40°	2623.7	14.5
40°-50°	3880.1	21.5
50°-60°	4556.3	25.2
60°-70°	3301.2	18.3
70°-80°	1018.1	5.6
80°-90°	140.2	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°	18066.7	100.0
0°-180°	18066.7	100.0



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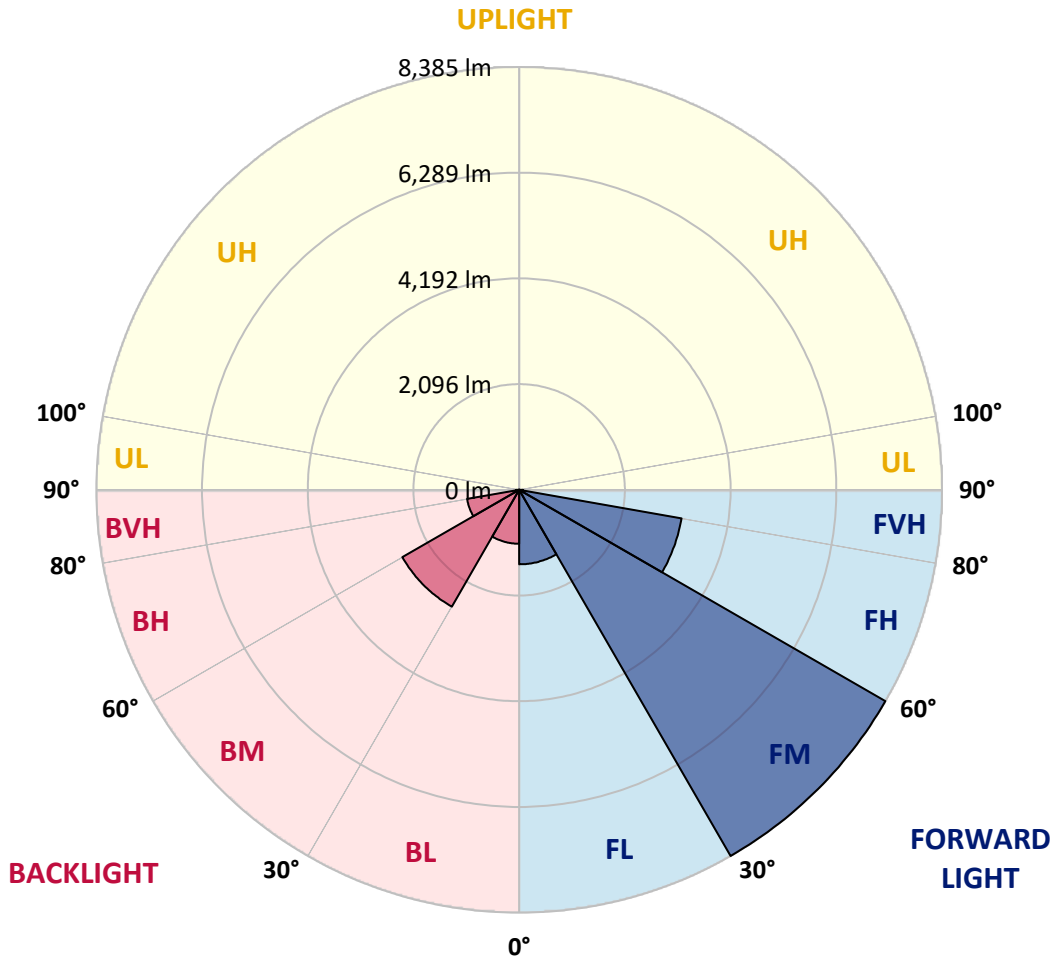
Scaled Data Report

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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°)	1477.2	8.2			
FM	(30°-60°)	8384.9	46.4			
FH	(60°-80°)	3270.6	18.1			G2/5000
FVH	(80°-90°)	75.6	0.4			G1/100
BL	(0°-30°)	1070.0	5.9	B3/2500		
BM	(30°-60°)	2675.2	14.8	B3/5000		
BH	(60°-80°)	1048.7	5.8	B3/2500		G3/2500
BVH	(80°-90°)	64.6	0.4			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9
2.5°	2964.5	2972.7	2960.4	2968.6	2968.6	2956.3	2952.1	2935.7	2943.9	2939.8	2935.7
5°	3034.5	3038.6	3030.4	3042.7	3042.7	3046.8	3042.7	3022.1	3022.1	3022.1	3013.9
7.5°	3013.9	3013.9	3018.0	3059.2	3100.4	3153.9	3153.9	3145.7	3153.9	3149.8	3112.7
10°	2841.0	2857.4	2894.5	2997.4	3096.2	3211.5	3289.8	3314.5	3314.5	3318.6	3256.8
12.5°	2532.2	2544.5	2631.0	2787.4	2993.3	3203.3	3392.7	3516.2	3528.6	3549.2	3466.8
15°	2256.3	2264.5	2326.3	2486.9	2721.6	3092.1	3450.3	3705.6	3746.8	3833.3	3709.7
17.5°	2281.0	2276.9	2293.4	2355.1	2523.9	2911.0	3438.0	3928.0	4002.1	4154.4	4047.4
20°	2429.2	2429.2	2441.6	2453.9	2515.7	2779.2	3347.4	4109.1	4253.2	4549.7	4426.2
22.5°	2663.9	2663.9	2659.8	2680.4	2680.4	2836.9	3351.5	4245.0	4459.1	4990.2	4870.8
25°	2989.2	2972.7	2972.7	2981.0	2943.9	3055.1	3454.5	4385.0	4665.0	5513.1	5410.2
27.5°	3355.6	3368.0	3359.8	3330.9	3281.5	3368.0	3701.5	4603.2	4895.5	6064.9	6023.7
30°	3755.0	3759.1	3767.4	3750.9	3709.7	3771.5	4088.5	4932.6	5200.2	6641.3	6731.9
32.5°	4146.2	4203.8	4183.2	4142.1	4158.5	4269.7	4566.1	5377.3	5653.1	7176.5	7497.7
35°	4644.4	4665.0	4747.3	4595.0	4599.1	4788.5	5175.5	5961.9	6229.6	7732.4	8263.5
37.5°	5369.0	5406.1	5369.0	5130.2	5093.2	5356.7	5768.4	6538.4	6731.9	8152.4	8975.8
40°	6081.3	6126.6	6188.4	5908.4	5673.7	5891.9	6328.4	6978.9	7180.7	8382.9	9449.3
42.5°	6670.1	6744.2	6678.3	6596.0	6381.9	6423.1	6719.5	7320.7	7522.4	8675.3	9926.9
45°	7168.3	7180.7	7209.5	7151.8	7044.8	7007.7	7053.0	7621.2	7843.6	8807.0	10161.6
47.5°	7374.2	7427.7	7452.4	7551.2	7662.4	7588.3	7337.1	7761.2	7963.0	8798.8	10235.7
50°	7263.0	7316.5	7448.3	7683.0	7950.6	8082.4	7670.6	7954.7	8181.2	8947.0	10388.1
52.5°	6970.7	7028.3	7242.4	7510.1	7958.8	8259.4	8140.0	8358.2	8576.4	9210.5	10643.4
55°	6262.5	6349.0	6649.5	7094.2	7711.8	8164.7	8634.1	8951.1	9189.9	9527.6	10906.9
57.5°	5233.2	5323.7	5661.4	6328.4	7254.8	7773.6	8778.2	10062.8	10169.9	9906.4	10931.6
60°	*3919.7*	*3993.8*	*4471.4*	*5006.7*	*6093.7*	*7057.1*	*8695.8*	*11116.9*	*11388.6*	*9840.5*	*10145.2*
62.5°	3104.5	3195.1	3619.2	3866.2	4644.4	5830.2	8407.6	11409.2	11643.9	9297.0	9049.9
65°	2425.1	2486.9	2882.1	3236.2	3425.6	3981.5	7205.4	9980.5	10190.4	8411.8	7468.9
67.5°	1601.7	1696.3	2165.7	2651.6	2750.4	2532.2	4957.3	7678.9	7777.7	6686.6	5616.1
70°	1148.7	1194.0	1544.0	2062.8	2211.0	1696.3	2701.0	5813.7	5842.5	4487.9	3783.8
72.5°	782.3	790.5	1049.9	1581.1	1762.2	1231.1	1486.4	3829.1	3730.3	2215.1	2165.7
75°	531.1	539.4	671.1	1054.0	1247.6	856.4	967.6	2087.5	2005.2	1222.9	1313.4
77.5°	358.2	366.4	461.1	708.2	831.7	592.9	708.2	1103.5	1082.9	811.1	704.1
80°	271.7	284.1	341.7	452.9	580.5	345.9	403.5	522.9	531.1	432.3	358.2
82.5°	152.3	168.8	205.9	230.6	374.7	193.5	193.5	312.9	300.6	267.6	193.5
85°	65.9	70.0	82.3	86.5	152.3	82.3	70.0	135.9	140.0	131.8	61.8
87.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	16.5	16.5	16.5	16.5
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°	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9
2.5°	2915.1	2939.8	2915.1	2902.7	2902.7	2882.1	2873.9	2873.9	2845.1	2857.4	2849.2
5°	2981.0	2989.2	2960.4	2923.3	2873.9	2832.7	2775.1	2701.0	2655.7	2651.6	2655.7
7.5°	3083.9	3088.0	3009.8	2927.4	2803.9	2655.7	2478.6	2334.5	2206.9	2186.3	2211.0
10°	3228.0	3219.8	3104.5	2911.0	2651.6	2338.7	2066.9	1935.2	1861.0	1856.9	1852.8
12.5°	3421.5	3368.0	3190.9	2841.0	2388.1	2025.7	1885.7	1877.5	1898.1	1914.6	1918.7
15°	3643.9	3573.9	3260.9	2705.1	2120.4	1910.5	1918.7	1988.7	2013.4	2029.9	2029.9
17.5°	3919.7	3829.1	3339.2	2511.6	1984.6	1935.2	1992.8	2058.7	2099.8	2116.3	2112.2
20°	4286.2	4096.8	3400.9	2326.3	1947.5	1976.3	2025.7	2091.6	2132.8	2153.4	2153.4
22.5°	4652.6	4417.9	3413.3	2198.7	1947.5	1980.4	2025.7	2091.6	2136.9	2157.5	2153.4
25°	5150.8	4829.7	3417.4	2108.1	1951.6	1959.9	2001.0	2058.7	2124.6	2145.1	2153.4
27.5°	5681.9	5282.6	3438.0	2087.5	1935.2	1931.0	1959.9	2013.4	2079.3	2132.8	2136.9
30°	6340.7	5793.1	3446.2	2108.1	1939.3	1885.7	1906.3	1959.9	2029.9	2083.4	2099.8
32.5°	6987.1	6266.6	3429.8	2153.4	1947.5	1856.9	1861.0	1894.0	1968.1	2005.2	2034.0
35°	7670.6	6768.9	3400.9	2215.1	1951.6	1844.6	1807.5	1824.0	1873.4	1877.5	1889.9
37.5°	8205.9	7143.6	3314.5	2297.5	1959.9	1799.3	1725.2	1712.8	1692.2	1651.1	1659.3
40°	8646.4	7394.8	3170.4	2338.7	1939.3	1745.8	1622.2	1564.6	1486.4	1424.6	1437.0
42.5°	8963.5	7563.6	2997.4	2346.9	1906.3	1655.2	1502.8	1404.0	1317.6	1251.7	1255.8
45°	9103.5	7547.1	2812.2	2285.1	1828.1	1544.0	1391.7	1297.0	1202.3	1132.3	1124.0
47.5°	9107.6	7386.5	2556.9	2136.9	1696.3	1416.4	1288.7	1185.8	1107.6	1058.2	1054.0
50°	9140.5	7295.9	2318.1	1922.8	1523.4	1280.5	1198.1	1095.2	1049.9	979.9	959.3
52.5°	9346.4	7444.2	2153.4	1688.1	1362.8	1181.7	1119.9	1029.3	955.2	909.9	905.8
55°	9679.9	7699.4	2062.8	1511.1	1210.5	1087.0	1045.8	967.6	901.7	856.4	844.1
57.5°	9721.1	7831.2	1955.7	1346.4	1087.0	1012.9	996.4	909.9	815.2	782.3	769.9
60°	*9144.6*	*7608.9*	*1824.0*	*1194.0*	*996.4*	*955.2*	*947.0*	*831.7*	*753.5*	*712.3*	*695.8*
62.5°	8358.2	7053.0	1622.2	1054.0	926.4	897.6	864.6	774.1	675.2	630.0	617.6
65°	6830.7	5929.0	1379.3	959.3	856.4	823.5	815.2	691.7	625.8	601.1	597.0
67.5°	5175.5	4763.8	1214.6	889.3	782.3	769.9	741.1	699.9	671.1	642.3	634.1
70°	3660.3	3438.0	1033.5	798.8	708.2	687.6	807.0	761.7	658.8	621.7	617.6
72.5°	2219.3	2157.5	893.5	716.4	609.4	642.3	745.2	687.6	592.9	547.6	531.1
75°	1399.9	1280.5	749.4	609.4	485.8	522.9	650.5	613.5	510.6	465.3	452.9
77.5°	761.7	708.2	564.1	498.2	382.9	424.1	568.2	506.4	407.6	444.7	395.3
80°	333.5	370.6	374.7	288.2	255.3	312.9	407.6	395.3	312.9	317.0	263.5
82.5°	160.6	210.0	242.9	197.6	144.1	185.3	271.7	226.5	210.0	197.6	189.4
85°	49.4	78.2	107.1	94.7	65.9	78.2	127.6	123.5	148.2	127.6	119.4
87.5°	16.5	16.5	12.4	12.4	12.4	16.5	20.6	12.4	4.1	4.1	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°	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9
2.5°	2845.1	2849.2	2849.2	2853.3	2853.3	2865.7	2882.1	2898.6	2886.3	2902.7	2906.9
5°	2647.5	2668.0	2684.5	2746.3	2795.7	2836.9	2882.1	2923.3	2935.7	2943.9	2964.5
7.5°	2182.2	2239.8	2346.9	2486.9	2643.3	2795.7	2898.6	3005.7	3022.1	3042.7	3071.5
10°	1856.9	1881.6	1955.7	2099.8	2379.8	2680.4	2931.6	3100.4	3170.4	3211.5	3240.4
12.5°	1910.5	1894.0	1881.6	1902.2	2083.4	2470.4	2911.0	3236.2	3368.0	3413.3	3450.3
15°	2038.1	2021.6	1976.3	1918.7	1939.3	2248.1	2841.0	3363.9	3573.9	3648.0	3726.2
17.5°	2112.2	2095.7	2058.7	1996.9	1943.4	2062.8	2709.2	3479.2	3899.1	3989.7	4100.9
20°	2153.4	2136.9	2099.8	2038.1	1976.3	1992.8	2540.4	3623.3	4269.7	4413.8	4578.5
22.5°	2161.6	2141.0	2099.8	2038.1	2001.0	1988.7	2379.8	3709.7	4669.1	4891.4	5080.8
25°	2157.5	2120.4	2066.9	2021.6	2001.0	1996.9	2268.7	3759.1	5101.4	5455.5	5669.6
27.5°	2128.7	2083.4	2029.9	1996.9	1988.7	2013.4	2219.3	3816.8	5607.8	6060.7	6402.5
30°	2095.7	2029.9	1964.0	1951.6	1972.2	2050.4	2260.4	3837.4	6139.0	6719.5	7069.5
32.5°	2009.3	1959.9	1894.0	1889.9	1939.3	2079.3	2355.1	3808.6	6608.4	7378.3	7818.9
35°	1885.7	1856.9	1819.9	1832.2	1910.5	2104.0	2421.0	3718.0	7036.6	7991.8	8506.5
37.5°	1667.5	1688.1	1708.7	1737.5	1836.3	2099.8	2449.8	3573.9	7390.6	8481.7	9140.5
40°	1424.6	1494.6	1560.5	1634.6	1766.3	2066.9	2458.1	3396.8	7596.5	8852.3	9704.6
42.5°	1272.3	1338.1	1420.5	1527.5	1671.6	1992.8	2449.8	3199.2	7662.4	9107.6	10062.8
45°	1132.3	1210.5	1313.4	1424.6	1589.3	1885.7	2375.7	2985.1	7695.3	9227.0	10215.2
47.5°	1058.2	1103.5	1198.1	1309.3	1482.2	1754.0	2231.6	2828.6	7645.9	9251.7	10400.4
50°	971.7	1033.5	1095.2	1202.3	1371.1	1589.3	2058.7	2738.0	7728.3	9494.6	10692.8
52.5°	905.8	938.8	1004.6	1103.5	1227.0	1437.0	1894.0	2663.9	7954.7	9741.7	10997.4
55°	856.4	893.5	934.6	1017.0	1111.7	1284.6	1725.2	2552.8	8218.2	10005.2	11302.1
57.5°	778.2	802.9	860.5	947.0	1008.8	1136.4	1527.5	2421.0	8197.6	9799.3	10775.1
60°	*708.2*	*732.9*	*794.6*	*881.1*	*918.2*	*1004.6*	*1334.0*	*2252.2*	*7802.4*	*9128.2*	*9803.4*
62.5°	630.0	658.8	732.9	794.6	827.6	893.5	1132.3	1943.4	6978.9	8119.4	8667.0
65°	597.0	613.5	662.9	737.0	732.9	794.6	955.2	1527.5	5616.1	6204.9	6703.1
67.5°	634.1	658.8	650.5	671.1	658.8	691.7	856.4	1227.0	4413.8	4673.2	4961.4
70°	625.8	683.5	712.3	671.1	576.4	613.5	741.1	979.9	3158.0	3133.3	3121.0
72.5°	547.6	605.3	687.6	728.8	564.1	510.6	642.3	848.2	2025.7	2017.5	1824.0
75°	465.3	506.4	605.3	658.8	485.8	411.7	551.7	720.5	1210.5	1227.0	1095.2
77.5°	428.2	407.6	506.4	580.5	395.3	317.0	444.7	543.5	667.0	675.2	625.8
80°	308.8	296.4	378.8	424.1	300.6	226.5	251.2	337.6	358.2	321.2	333.5
82.5°	197.6	201.8	226.5	271.7	185.3	123.5	172.9	226.5	193.5	156.5	185.3
85°	127.6	144.1	119.4	140.0	57.6	57.6	74.1	98.8	65.9	45.3	49.4
87.5°	0.0	0.0	8.2	16.5	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: P1501362
CATALOG NUMBER: GSS-SB4B-722-U-T2LG

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	2906.9	2906.9	*2906.9*	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9	2906.9
2.5°	2919.2	2915.1	*2915.1*	2923.3	2943.9	2952.1	2964.5	2960.4	2972.7	2964.5
5°	2976.8	2981.0	*2993.3*	2997.4	3009.8	3026.3	3030.4	3026.3	3034.5	3034.5
7.5°	3092.1	3108.6	*3100.4*	3121.0	3104.5	3083.9	3051.0	3026.3	3005.7	3013.9
10°	3285.6	3277.4	*3273.3*	3236.2	3162.1	3055.1	2968.6	2873.9	2857.4	2841.0
12.5°	3499.7	3491.5	*3491.5*	3363.9	3153.9	2931.6	2733.9	2585.7	2536.3	2532.2
15°	3800.3	3746.8	*3697.4*	3429.8	3009.8	2631.0	2400.4	2285.1	2256.3	2256.3
17.5°	4175.0	4035.0	*3952.7*	3380.3	2775.1	2433.4	2297.5	2268.7	2260.4	2281.0
20°	4640.3	4286.2	*4166.8*	3269.2	2688.6	2458.1	2392.2	2396.3	2400.4	2429.2
22.5°	5150.8	4516.7	*4319.1*	3269.2	2775.1	2614.5	2581.6	2626.9	2639.2	2663.9
25°	5719.0	4722.6	*4455.0*	3442.1	3030.4	2911.0	2869.8	2915.1	2948.0	2989.2
27.5°	6357.2	4936.7	*4689.7*	3755.0	3359.8	3285.6	3240.4	3260.9	3306.2	3355.6
30°	6929.5	5294.9	*5047.9*	4232.6	3808.6	3718.0	3639.7	3672.7	3722.1	3755.0
32.5°	7435.9	5731.4	*5521.4*	4735.0	4323.2	4166.8	4080.3	4072.1	4170.9	4146.2
35°	7901.2	6246.0	*6044.3*	5307.3	4846.1	4652.6	4537.3	4685.5	4619.7	4644.4
37.5°	8267.6	6781.3	*6620.7*	5854.9	5389.6	5126.1	5056.1	5237.3	5340.2	5369.0
40°	8568.2	7246.5	*7077.7*	6398.4	5887.8	5694.3	5805.5	6106.0	6093.7	6081.3
42.5°	8798.8	7645.9	*7460.6*	6810.1	6365.4	6402.5	6488.9	6690.7	6740.1	6670.1
45°	8901.7	7897.1	*7748.9*	7135.4	6908.9	7123.0	7160.1	7246.5	7213.6	7168.3
47.5°	9021.1	8119.4	*7963.0*	7431.8	7497.7	7707.7	7633.6	7563.6	7444.2	7374.2
50°	9222.9	8382.9	*8251.2*	7864.1	8102.9	8033.0	7744.7	7588.3	7345.4	7263.0
52.5°	9605.8	8881.1	*8782.3*	8547.6	8387.0	7983.5	7633.6	7353.6	7081.8	6970.7
55°	9947.5	9556.4	*9498.7*	9185.8	8300.6	7724.2	7254.8	6822.5	6357.2	6262.5
57.5°	10145.2	10676.3	*10742.2*	9457.6	7905.3	7135.4	6443.7	5751.9	5311.4	5233.2
60°	*9556.4*	*11886.8*	*11919.7*	*9404.0*	*7193.0*	*6073.1*	*5019.1*	*4529.1*	*4055.6*	*3919.7*
62.5°	8745.3	11635.6	*11606.8*	9082.9	5727.2	4430.3	3812.7	3582.1	3215.7	3104.5
65°	7518.3	9692.2	*9725.2*	7847.7	3808.6	3203.3	3203.3	2911.0	2503.4	2425.1
67.5°	6126.6	7473.0	*7398.9*	5089.0	2338.7	2565.1	2688.6	2268.7	1696.3	1601.7
70°	3981.5	5706.7	*5603.7*	2935.7	1469.9	2136.9	2116.3	1704.6	1214.6	1148.7
72.5°	1712.8	3298.0	*3508.0*	1498.7	1107.6	1721.1	1688.1	1194.0	811.1	782.3
75°	1033.5	1659.3	*1807.5*	955.2	807.0	1297.0	1169.3	757.6	551.7	531.1
77.5°	654.7	909.9	*901.7*	716.4	605.3	877.0	786.4	522.9	374.7	358.2
80°	378.8	448.8	*465.3*	448.8	407.6	625.8	502.3	378.8	292.3	271.7
82.5°	242.9	280.0	*284.1*	218.2	226.5	403.5	271.7	222.3	168.8	152.3
85°	107.1	119.4	*115.3*	74.1	74.1	164.7	94.7	90.6	65.9	65.9
87.5°	4.1	8.2	*4.1*	4.1	4.1	16.5	8.2	12.4	12.4	12.4
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

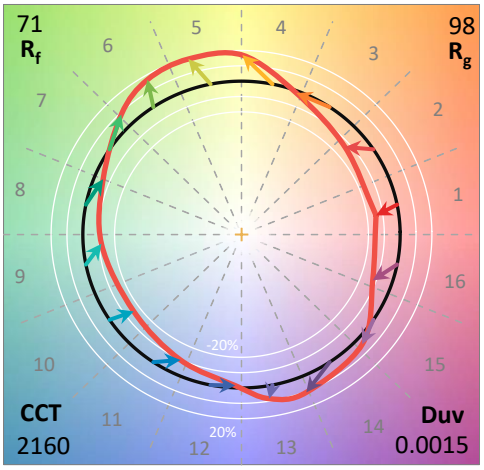
Test Information

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

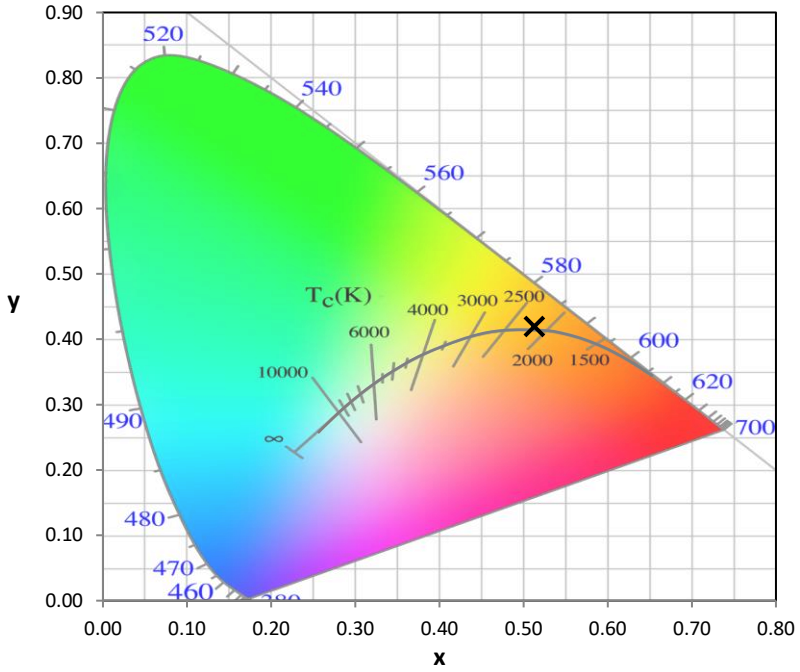
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

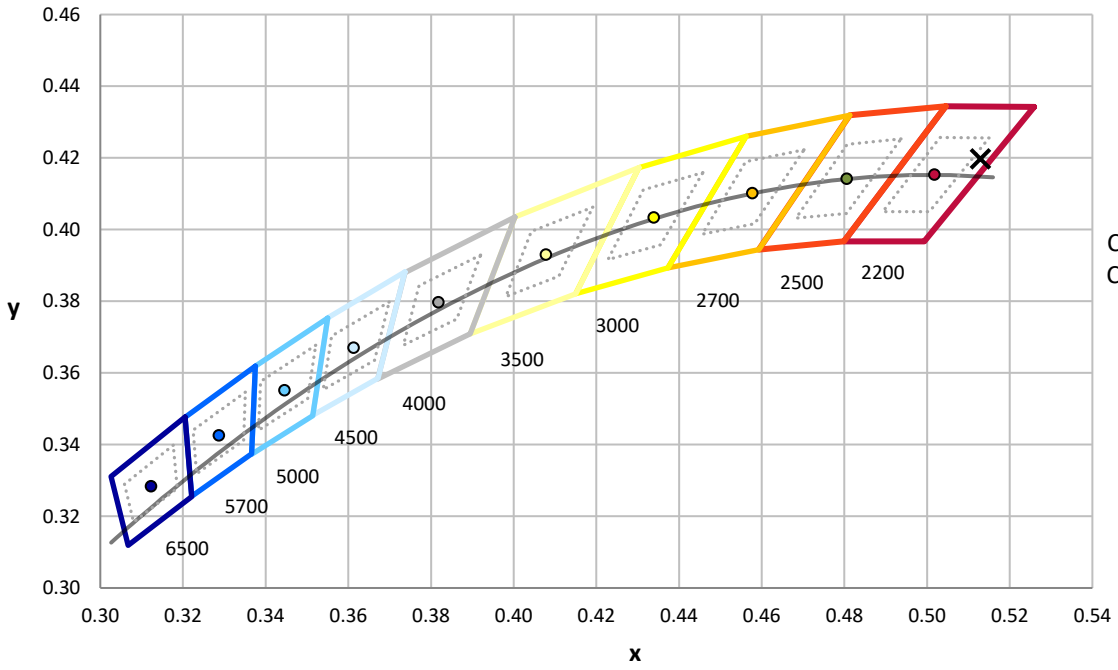
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

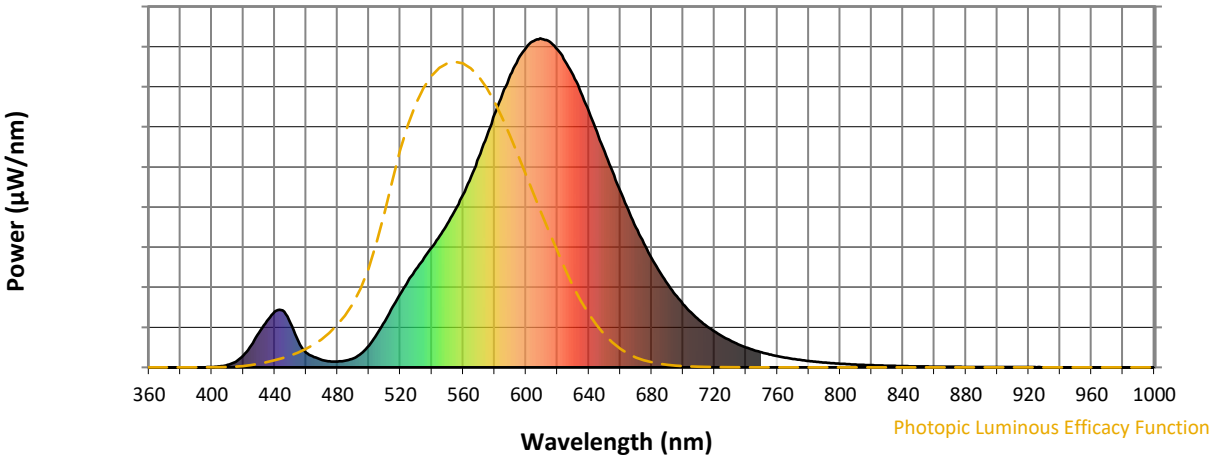


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

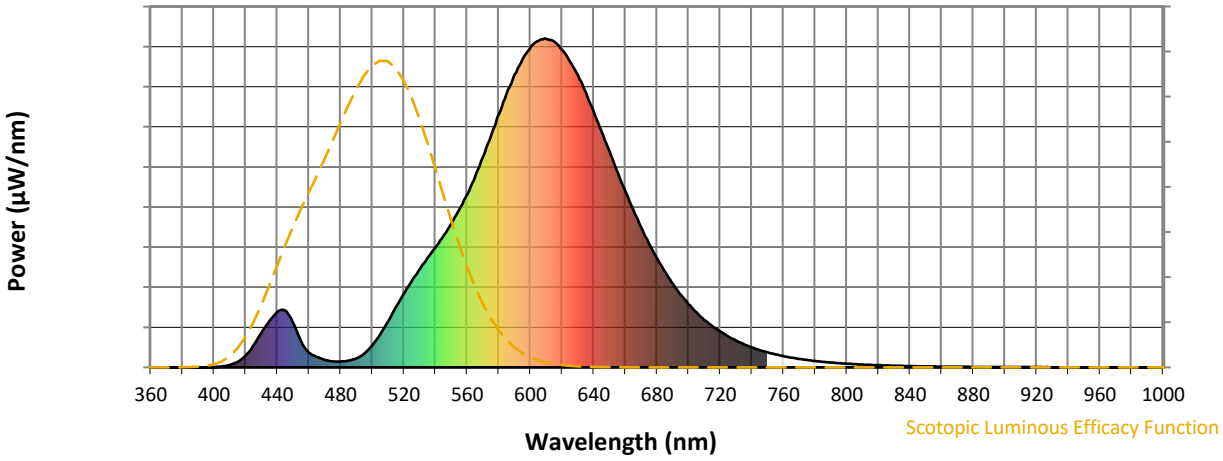


Photopic Lumens: NR

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

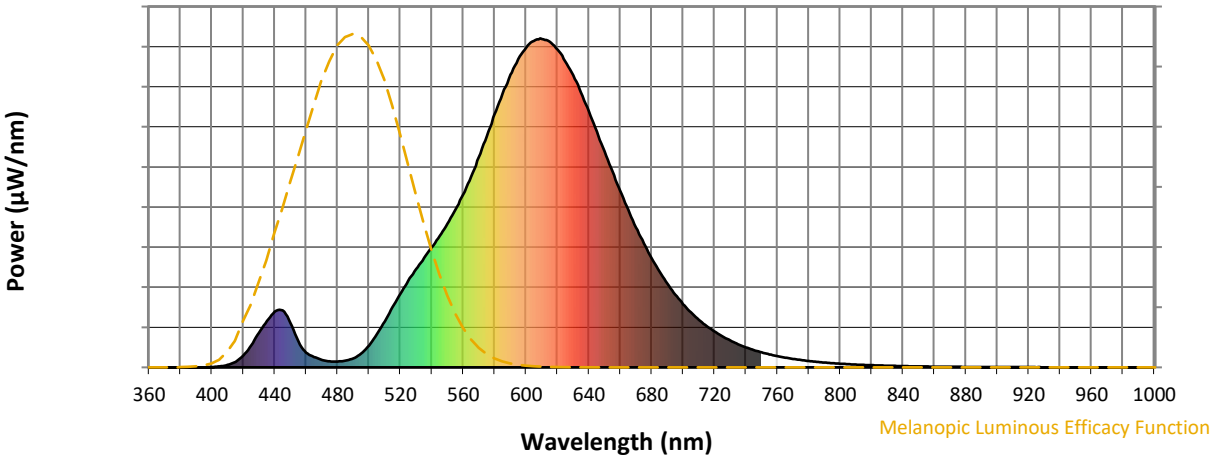


Scotopic Lumens: NR **S/P: 0.8**

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			

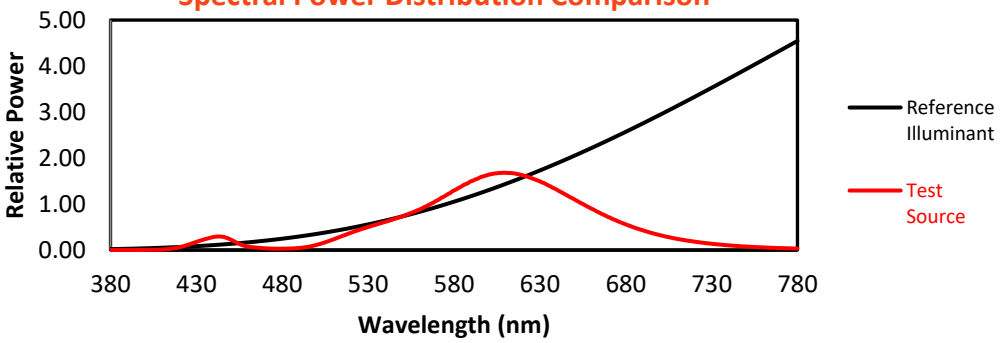
REPORT NUMBER: SP1-2407-184-2

TM-30-18

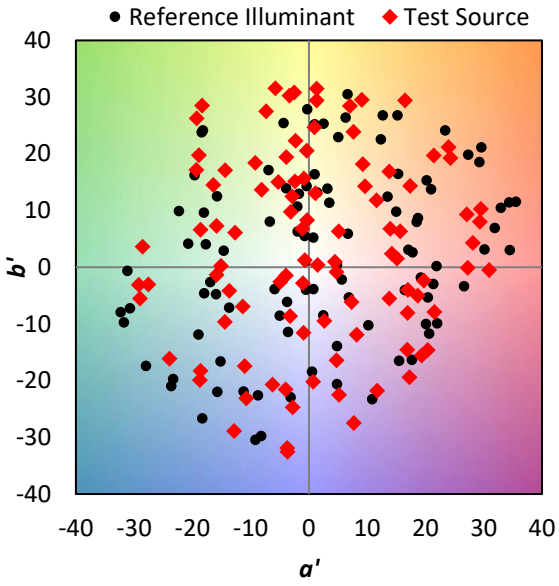
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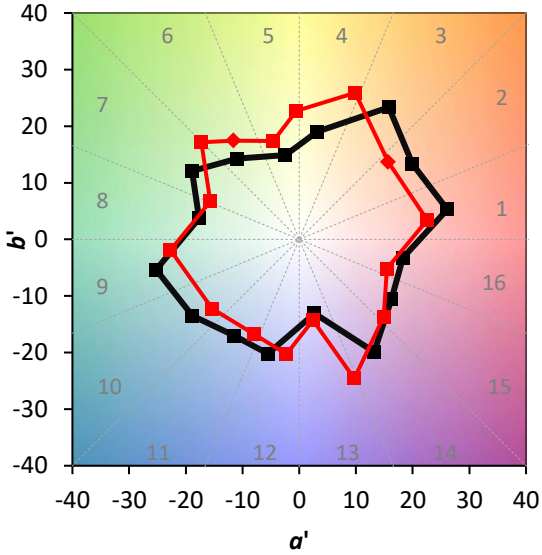
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

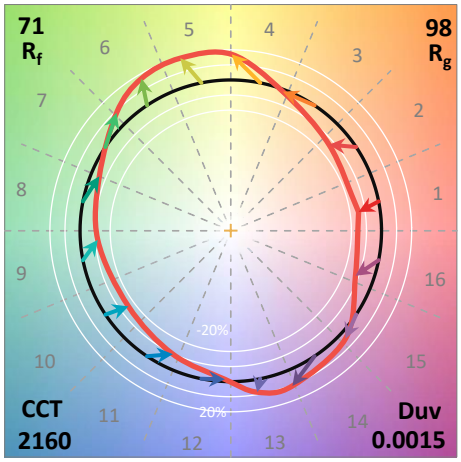
Spectral Power Distribution Comparison

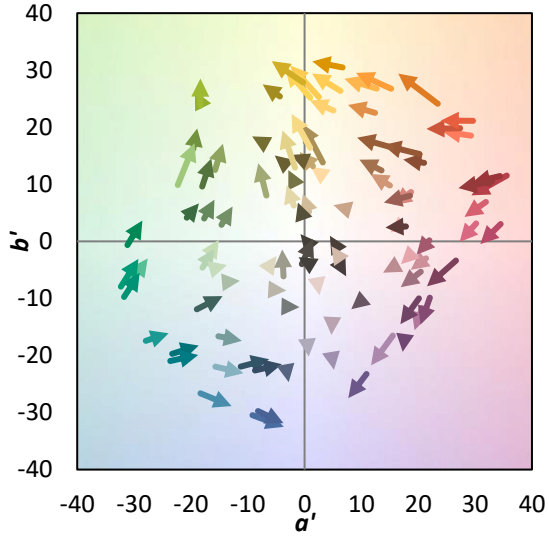


Color Vector Graphics







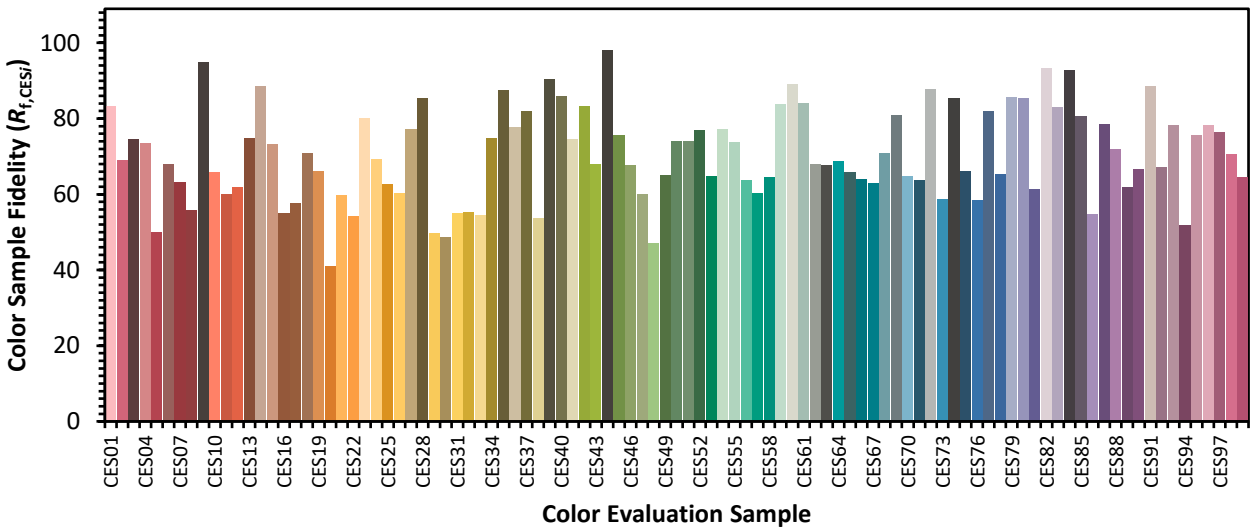


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Individual Sample Fidelity Index ($R_{f,i}$)

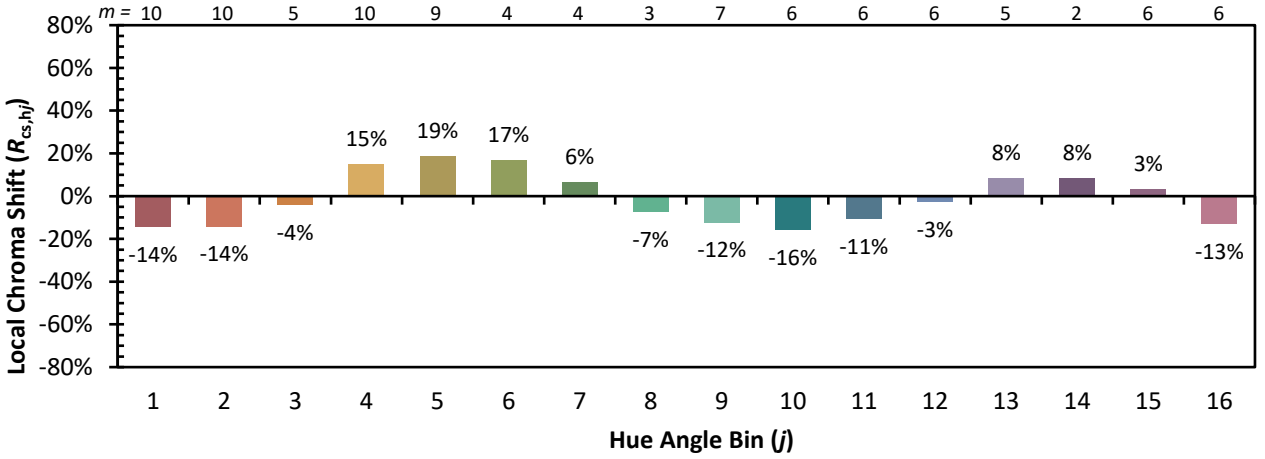
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

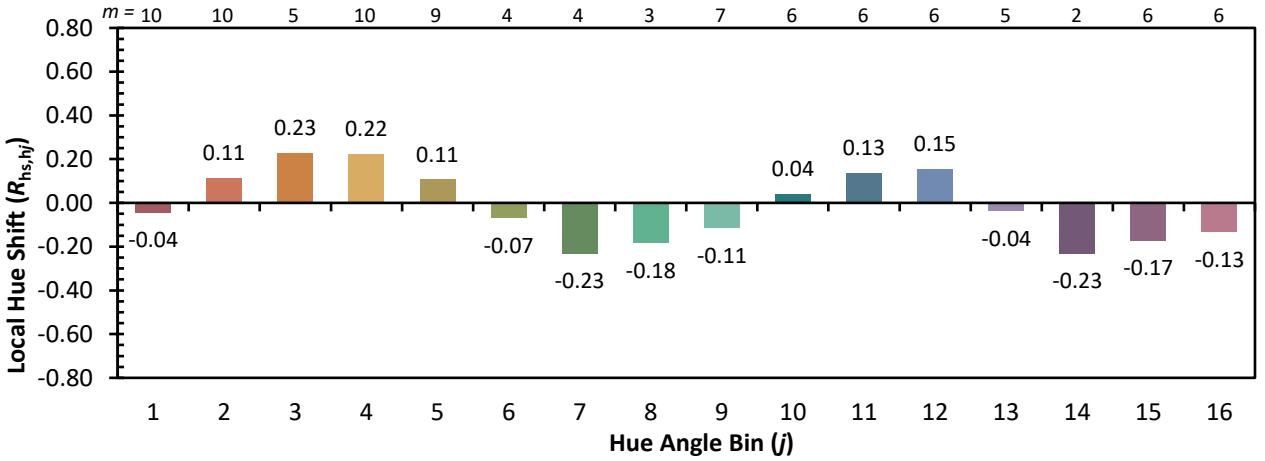


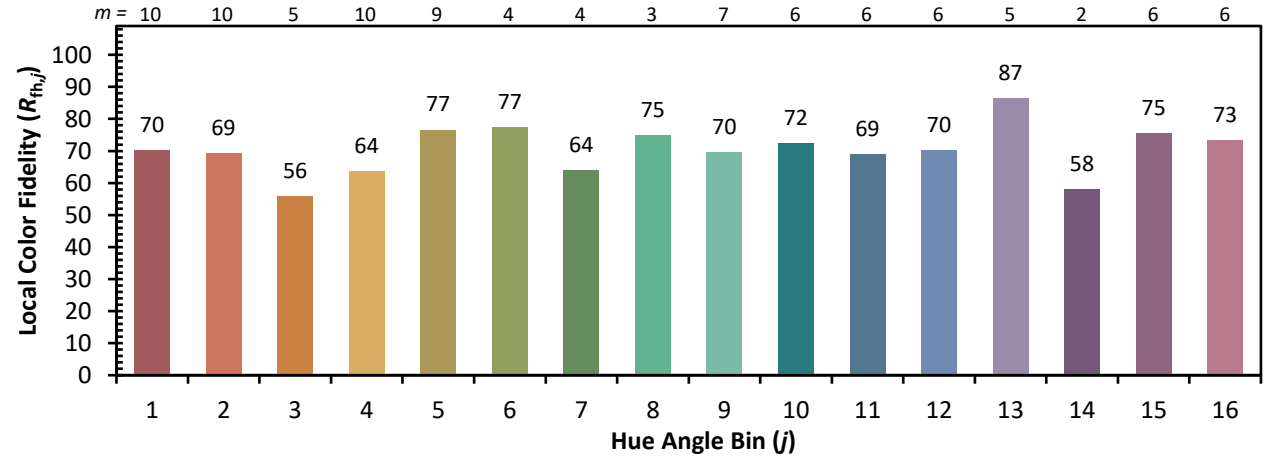
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Color Rendition by Hue-Angle Bin



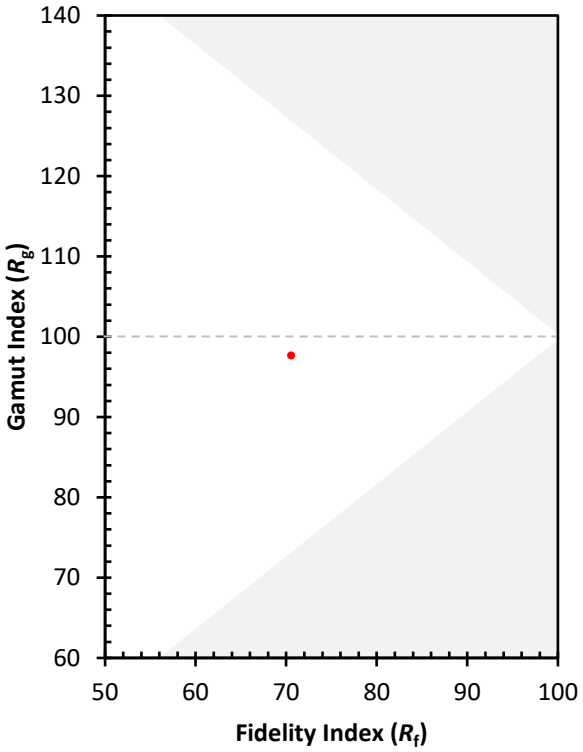


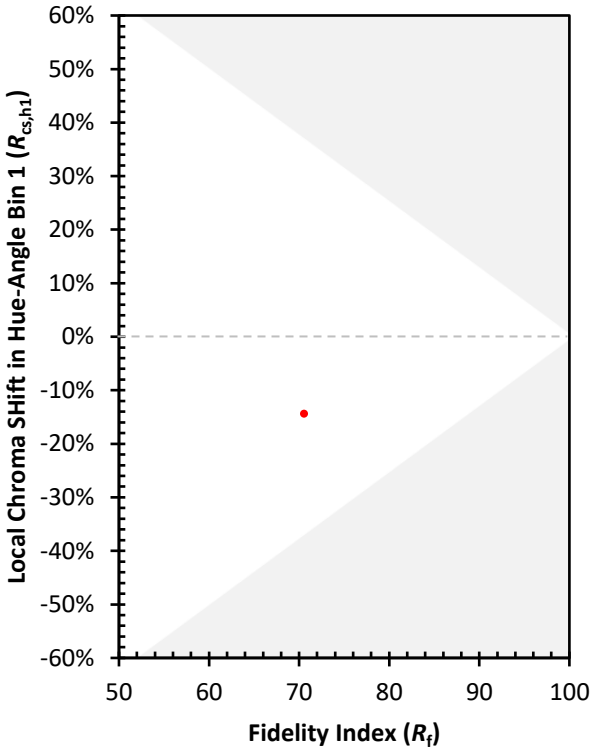


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Measure Comparisons





(END OF REPORT)