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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1364539

Luminaire Tested: **GSS-SB4A-722-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364539
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB4A-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 4SQUARE 114W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(104) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10874.9 lumens
Efficiency:	N/A
Efficacy:	95.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

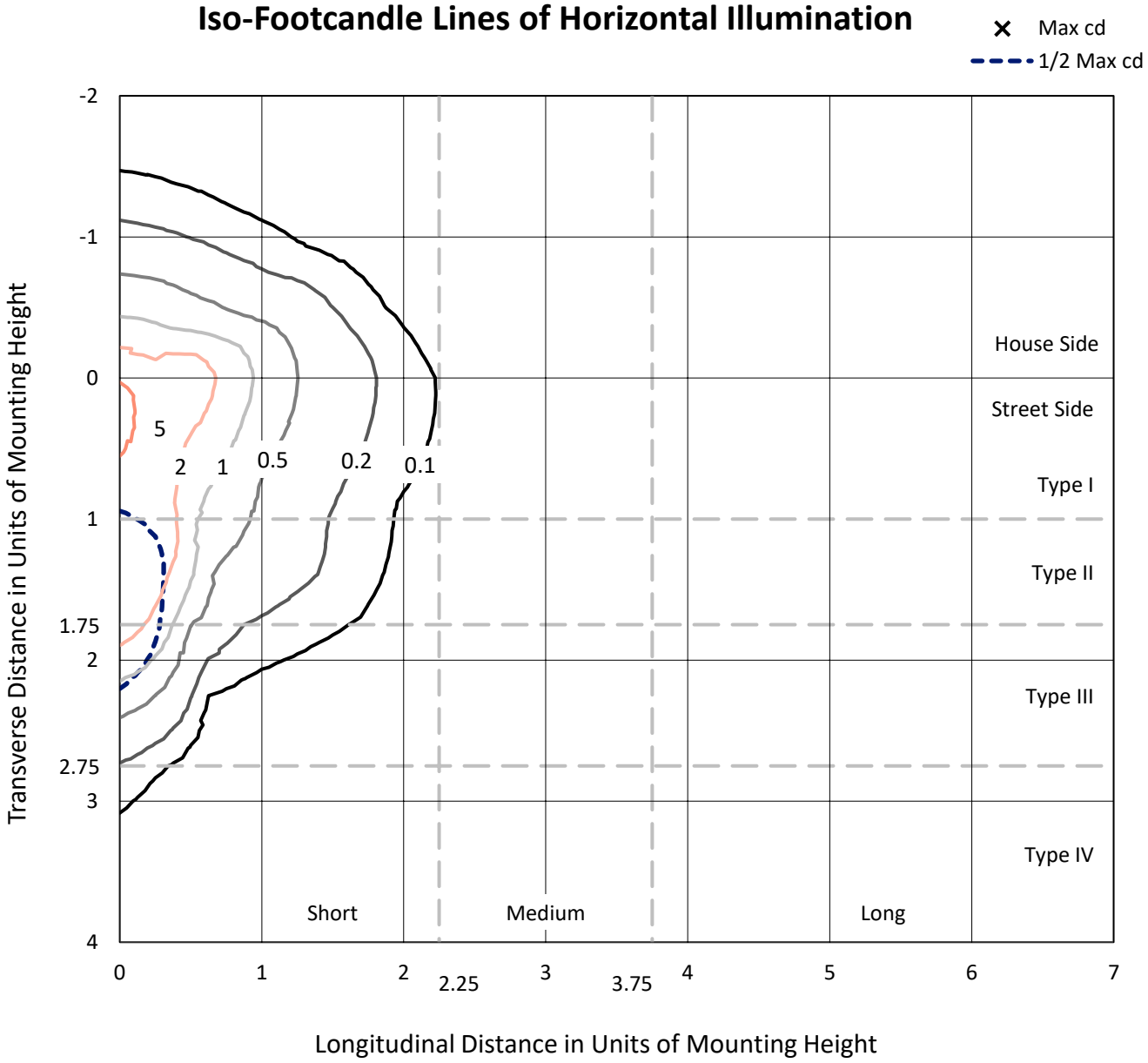
Input Watts (W):	114
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	8.2%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



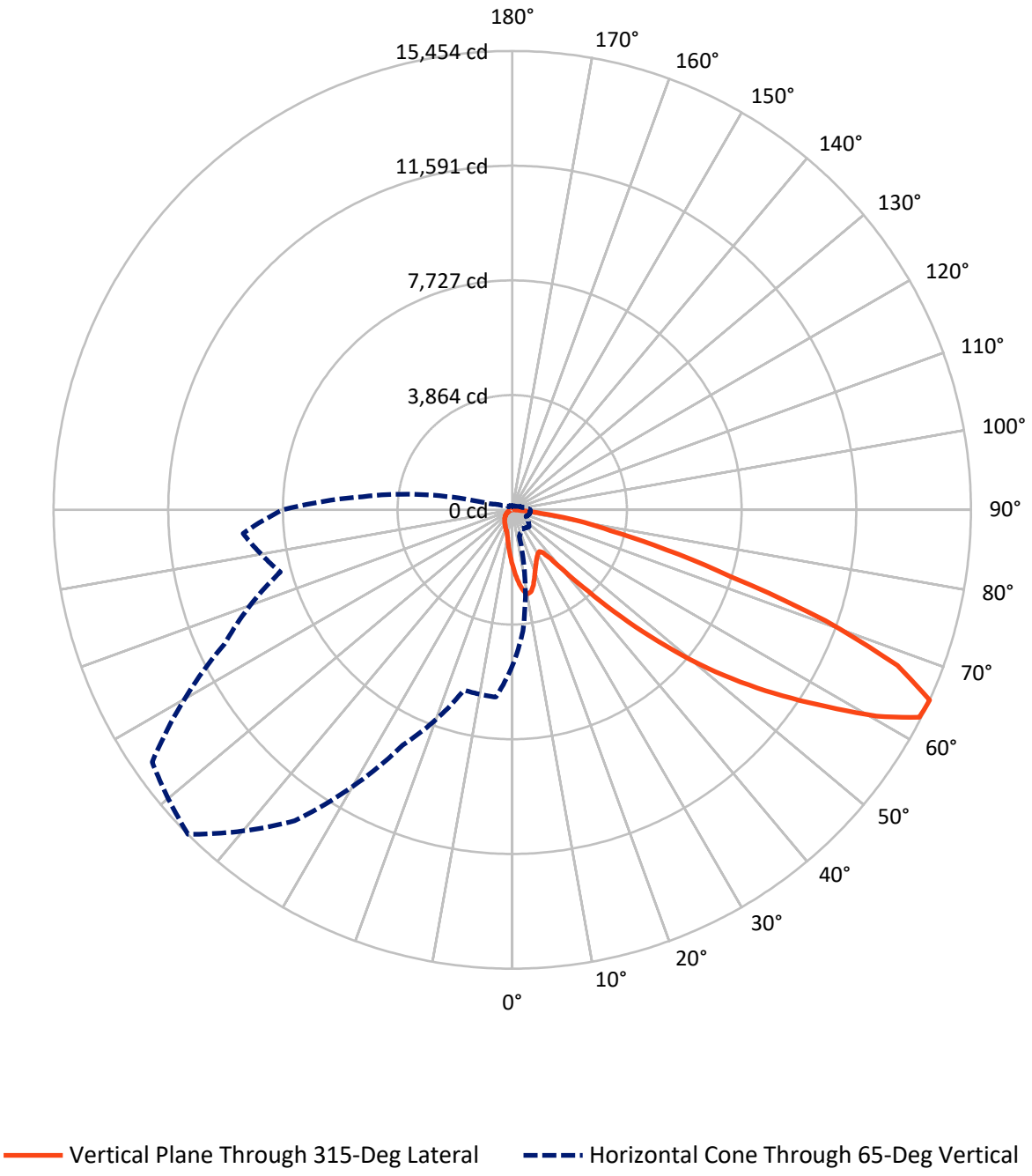
Based on 20 foot mounting height. Maximum calculated value = 6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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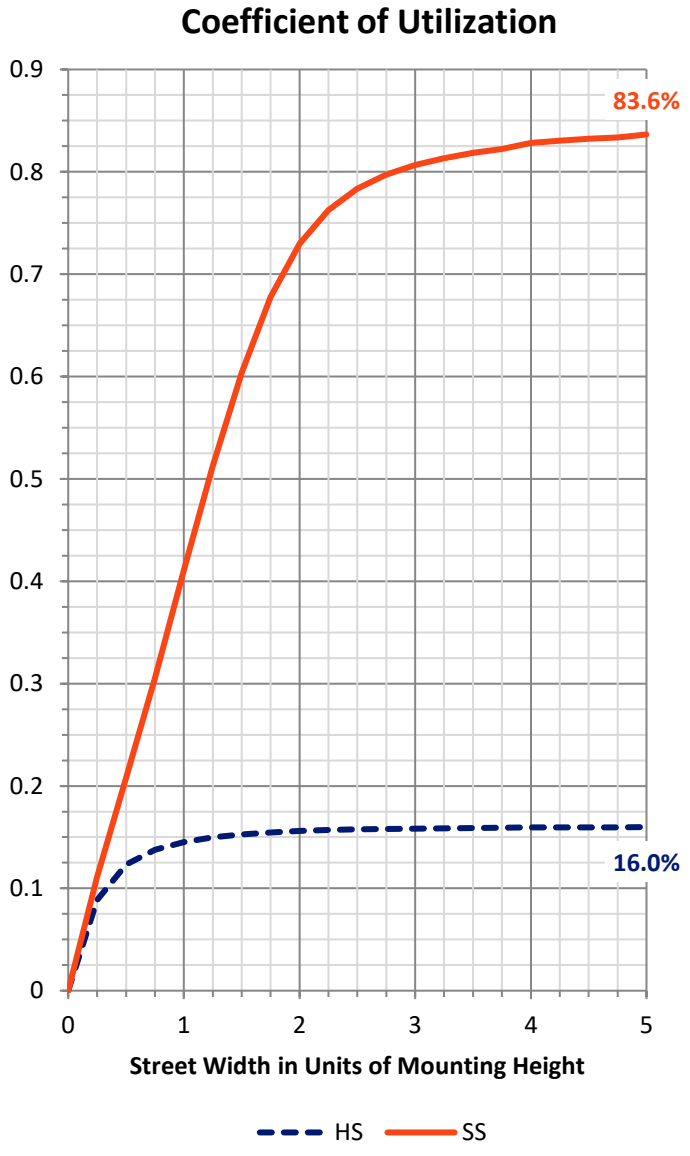
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1758.0	0.0	1758.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	9116.9	0.0	9116.9
	% Fixture	83.8	0.0	83.8
Total	Lumens	10874.9	0.0	10874.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	1.7
10°-20°	499.7	4.6
20°-30°	715.7	6.6
30°-40°	897.7	8.3
40°-50°	1474.6	13.6
50°-60°	2661.1	24.5
60°-70°	2953.3	27.2
70°-80°	1334.3	12.3
80°-90°	157.8	1.5
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°	10874.9	100.0
0°-180°	10874.9	100.0



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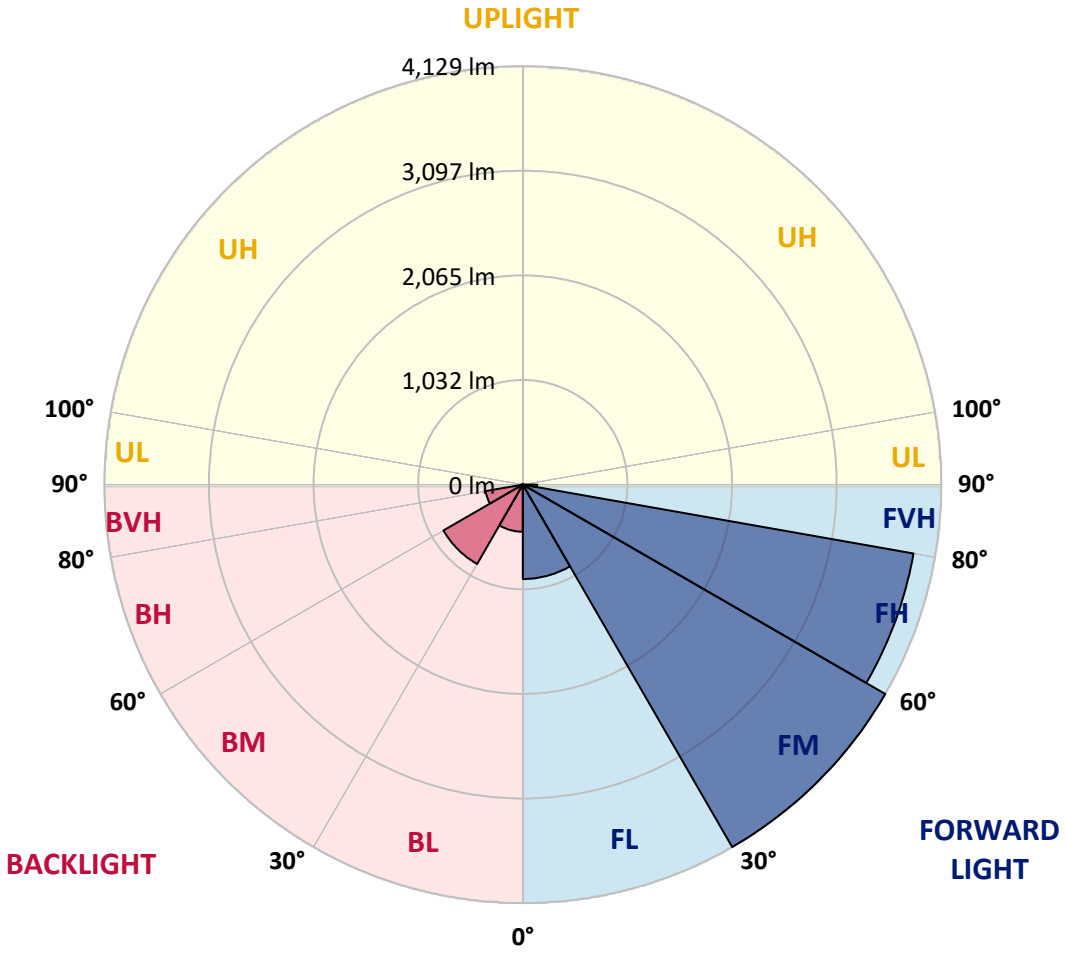
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	931.5	8.6			
FM	(30°-60°)	4129.5	38.0			
FH	(60°-80°)	3914.3	36.0			G2/5000
FVH	(80°-90°)	141.6	1.3			G2/225
BL	(0°-30°)	464.5	4.3	B1/500		
BM	(30°-60°)	903.9	8.3	B1/1000		
BH	(60°-80°)	373.3	3.4	B1/500		G1/500
BVH	(80°-90°)	16.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0
2.5°	2120.5	2118.5	2110.5	2060.4	2010.3	1966.9	1923.5	1880.0	1819.9	1773.2	1733.1
5°	2320.8	2310.1	2267.4	2190.6	2107.1	2033.7	1950.2	1870.0	1779.9	1706.4	1629.6
7.5°	2457.7	2447.1	2404.3	2277.4	2150.5	2060.4	1970.2	1886.7	1786.5	1689.7	1579.5
10°	2521.2	2509.2	2461.1	2324.2	2177.2	2067.0	1976.9	1900.1	1816.6	1719.8	1582.8
12.5°	2564.6	2549.9	2491.1	2334.2	2183.9	2073.7	1980.2	1906.8	1846.6	1789.9	1656.3
15°	2591.3	2578.0	2524.5	2360.9	2187.3	2063.7	1953.5	1883.4	1863.3	1873.4	1809.9
17.5°	2631.4	2618.7	2567.9	2394.3	2207.3	2047.0	1896.7	1819.9	1863.3	1953.5	1973.5
20°	2684.8	2671.5	2618.0	2437.7	2224.0	1996.9	1789.9	1716.4	1826.6	1976.9	2080.4
22.5°	2744.9	2734.2	2691.5	2487.8	2240.7	1923.5	1649.6	1616.2	1749.8	1910.1	2043.7
25°	2818.4	2808.4	2768.3	2557.9	2257.4	1823.3	1529.4	1536.1	1649.6	1776.5	1913.4
27.5°	2918.6	2909.2	2871.8	2644.7	2277.4	1719.8	1432.6	1466.0	1549.4	1636.3	1719.8
30°	3028.8	3021.4	2992.0	2748.3	2317.5	1622.9	1375.8	1395.8	1452.6	1522.7	1572.8
32.5°	3179.0	3167.0	3118.9	2845.1	2314.2	1549.4	1349.1	1329.1	1345.7	1402.5	1452.6
35°	3366.0	3356.7	3319.3	2945.3	2254.0	1482.7	1335.7	1265.6	1255.6	1289.0	1339.1
37.5°	3639.9	3631.9	3599.8	3108.9	2160.5	1399.2	1302.3	1198.8	1165.4	1188.8	1222.2
40°	4050.6	4029.9	3947.1	3295.9	2057.0	1315.7	1242.2	1118.7	1071.9	1088.6	1125.4
42.5°	4608.3	4568.9	4411.3	3546.4	1916.8	1235.6	1152.1	1038.5	988.4	998.5	1031.9
45°	5322.9	5263.4	5025.7	3890.3	1769.8	1172.1	1058.6	955.0	901.6	911.6	948.4
47.5°	6157.7	6076.2	5750.3	4251.0	1612.9	1135.4	985.1	871.6	831.5	854.9	891.6
50°	7142.8	7060.7	6732.1	4481.4	1486.0	1112.0	928.3	794.8	778.1	808.1	838.2
52.5°	8218.1	8101.2	7633.7	4334.4	1382.5	1092.0	908.3	741.3	748.0	771.4	801.4
55°	9263.3	9003.5	7964.3	3846.9	1248.9	1068.6	921.7	701.3	718.0	748.0	771.4
57.5°	9944.5	9493.0	7687.1	3098.9	1108.7	1041.9	931.7	681.2	694.6	728.0	754.7
60°	9350.1	8896.0	7079.4	2320.8	988.4	985.1	915.0	674.5	654.5	701.3	724.6
62.5°	7660.4	7286.4	5790.4	1482.7	874.9	878.2	878.2	671.2	587.7	647.8	667.9
65°	*5262.8*	*5029.0*	*4094.0*	*918.3*	*714.6*	*748.0*	*798.1*	*651.2*	*517.6*	*587.7*	*607.8*
67.5°	3459.5	3287.9	2601.3	567.7	551.0	614.4	691.2	611.1	464.2	527.6	541.0
70°	1876.7	1746.5	1225.5	374.0	360.6	480.9	544.3	517.6	417.4	470.8	484.2
72.5°	1238.9	1132.0	704.6	263.8	263.8	377.3	380.7	424.1	374.0	417.4	430.8
75°	931.7	836.2	454.1	183.7	203.7	240.4	297.2	303.9	313.9	354.0	370.7
77.5°	427.4	375.3	167.0	110.2	150.3	167.0	227.1	193.7	233.8	263.8	270.5
80°	247.1	216.4	93.5	73.5	96.8	106.9	187.0	113.5	140.3	187.0	197.0
82.5°	103.5	92.2	46.8	50.1	60.1	63.4	103.5	80.1	90.2	123.6	120.2
85°	30.1	30.1	30.1	33.4	36.7	36.7	60.1	56.8	53.4	56.8	56.8
87.5°	20.0	20.0	20.0	20.0	23.4	23.4	26.7	30.1	33.4	33.4	33.4
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°	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0
2.5°	1716.4	1693.0	1663.0	1619.6	1612.9	1589.5	1572.8	1589.5	1606.2	1636.3	1639.6
5°	1589.5	1552.8	1482.7	1429.2	1369.1	1339.1	1335.7	1329.1	1349.1	1392.5	1419.2
7.5°	1519.4	1459.3	1332.4	1238.9	1155.4	1125.4	1102.0	1122.0	1118.7	1175.4	1198.8
10°	1502.7	1409.2	1232.2	1092.0	988.4	948.4	925.0	921.7	928.3	961.7	985.1
12.5°	1562.8	1442.6	1192.1	985.1	864.9	821.5	794.8	771.4	771.4	778.1	808.1
15°	1696.4	1552.8	1215.5	935.0	804.8	748.0	704.6	674.5	651.2	654.5	657.8
17.5°	1883.4	1713.1	1275.6	918.3	768.0	707.9	654.5	624.5	597.7	591.1	591.1
20°	2030.3	1866.7	1322.4	905.0	738.0	661.2	614.4	587.7	564.3	554.3	554.3
22.5°	2047.0	1930.1	1362.4	888.3	701.3	614.4	571.0	547.6	531.0	527.6	527.6
25°	1936.8	1880.0	1349.1	868.2	664.5	571.0	537.6	517.6	500.9	497.6	500.9
27.5°	1753.1	1723.1	1302.3	841.5	634.5	537.6	507.6	490.9	474.2	470.8	474.2
30°	1589.5	1556.1	1222.2	798.1	611.1	510.9	477.5	460.8	444.1	444.1	447.5
32.5°	1455.9	1422.6	1142.0	748.0	581.0	480.9	450.8	434.1	417.4	417.4	424.1
35°	1335.7	1309.0	1078.6	697.9	551.0	454.1	420.8	407.4	394.0	390.7	397.4
37.5°	1232.2	1218.9	1021.8	644.5	520.9	427.4	397.4	384.0	367.3	364.0	370.7
40°	1132.0	1125.4	958.4	597.7	484.2	400.7	370.7	357.3	337.3	337.3	344.0
42.5°	1038.5	1035.2	901.6	567.7	450.8	374.0	340.6	327.3	310.6	310.6	317.2
45°	965.1	961.7	848.2	551.0	417.4	344.0	313.9	297.2	283.8	287.2	293.9
47.5°	898.3	891.6	791.4	554.3	400.7	323.9	283.8	267.1	257.1	263.8	273.8
50°	844.8	838.2	751.3	557.7	374.0	297.2	260.5	243.8	237.1	247.1	257.1
52.5°	811.5	804.8	711.3	537.6	340.6	277.2	237.1	227.1	227.1	237.1	243.8
55°	778.1	771.4	644.5	494.2	303.9	257.1	220.4	213.7	213.7	223.7	230.4
57.5°	758.0	744.7	574.4	444.1	273.8	233.8	203.7	203.7	203.7	207.0	210.4
60°	728.0	694.6	500.9	380.7	250.4	210.4	190.3	187.0	187.0	183.7	187.0
62.5°	664.5	607.8	420.8	323.9	223.7	190.3	173.6	170.3	160.3	150.3	153.6
65°	*601.1*	*514.3*	*333.9*	*270.5*	*193.7*	*163.6*	*153.6*	*150.3*	*133.6*	*120.2*	*123.6*
67.5°	520.9	410.7	250.4	227.1	167.0	140.3	130.2	130.2	120.2	110.2	110.2
70°	464.2	320.6	210.4	170.3	133.6	110.2	110.2	116.9	106.9	93.5	93.5
72.5°	410.7	260.5	170.3	136.9	103.5	86.8	93.5	96.8	86.8	76.8	76.8
75°	350.6	203.7	133.6	106.9	76.8	66.8	70.1	76.8	70.1	60.1	63.4
77.5°	253.8	140.3	90.2	70.1	56.8	50.1	53.4	53.4	50.1	46.8	46.8
80°	177.0	93.5	60.1	46.8	40.1	36.7	36.7	33.4	33.4	36.7	36.7
82.5°	106.9	66.8	43.4	36.7	30.1	23.4	23.4	26.7	26.7	30.1	30.1
85°	46.8	40.1	30.1	26.7	20.0	16.7	20.0	20.0	23.4	26.7	26.7
87.5°	30.1	30.1	23.4	20.0	16.7	13.4	13.4	16.7	16.7	20.0	23.4
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°	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0
2.5°	1653.0	1686.4	1726.4	1783.2	1833.3	1893.4	1953.5	2010.3	2063.7	2070.4	2093.8
5°	1439.2	1502.7	1582.8	1676.3	1789.9	1910.1	2027.0	2150.5	2250.7	2287.4	2340.9
7.5°	1218.9	1299.0	1415.9	1559.5	1719.8	1900.1	2080.4	2254.0	2404.3	2474.4	2544.6
10°	1008.5	1085.3	1228.9	1402.5	1609.6	1853.3	2093.8	2327.5	2511.2	2591.3	2658.1
12.5°	818.1	894.9	1011.8	1212.2	1462.6	1756.5	2073.7	2354.2	2557.9	2641.4	2704.9
15°	667.9	731.3	841.5	1028.5	1292.3	1622.9	2003.6	2334.2	2567.9	2648.1	2694.8
17.5°	587.7	604.4	674.5	844.8	1132.0	1502.7	1913.4	2307.5	2574.6	2648.1	2674.8
20°	554.3	554.3	567.7	657.8	938.4	1375.8	1846.6	2290.8	2584.6	2658.1	2654.8
22.5°	524.3	531.0	531.0	551.0	714.6	1198.8	1776.5	2284.1	2614.7	2671.5	2624.7
25°	497.6	507.6	507.6	514.3	561.0	988.4	1689.7	2297.5	2668.1	2698.2	2604.7
27.5°	474.2	484.2	484.2	490.9	500.9	734.7	1546.1	2300.8	2728.2	2731.6	2578.0
30°	450.8	460.8	467.5	467.5	474.2	541.0	1365.8	2280.8	2795.0	2775.0	2574.6
32.5°	424.1	437.5	440.8	447.5	450.8	470.8	1132.0	2247.4	2878.5	2835.1	2578.0
35°	400.7	417.4	420.8	420.8	427.4	447.5	905.0	2210.6	2992.0	2915.2	2591.3
37.5°	377.3	390.7	394.0	397.4	404.1	424.1	718.0	2157.2	3088.9	3015.4	2658.1
40°	350.6	367.3	370.7	374.0	380.7	400.7	617.8	2090.4	3235.8	3182.4	2758.3
42.5°	323.9	340.6	347.3	350.6	354.0	380.7	564.3	2043.7	3472.9	3416.1	2962.0
45°	300.5	317.2	323.9	323.9	330.6	367.3	517.6	2147.2	3800.2	3773.4	3235.8
47.5°	280.5	297.2	300.5	300.5	303.9	347.3	477.5	2424.4	4301.1	4230.9	3663.2
50°	263.8	277.2	283.8	277.2	280.5	330.6	500.9	2881.8	4942.2	4965.6	4291.0
52.5°	250.4	263.8	267.1	253.8	253.8	307.2	531.0	3255.8	5760.3	5974.1	5286.2
55°	233.8	247.1	250.4	233.8	233.8	270.5	460.8	3279.2	6692.0	7379.9	6581.8
57.5°	217.1	230.4	230.4	217.1	213.7	233.8	374.0	2908.6	7413.3	8972.8	8355.0
60°	197.0	210.4	207.0	200.4	193.7	213.7	344.0	2217.3	7316.5	10011.3	10388.6
62.5°	160.3	180.3	187.0	183.7	170.3	193.7	320.6	1445.9	6331.4	9109.7	10325.2
65°	*133.6*	*150.3*	*160.3*	*160.3*	*150.3*	*213.7*	*280.5*	*761.4*	*5069.1*	*7730.5*	*9103.0*
67.5°	116.9	133.6	140.3	136.9	130.2	190.3	177.0	367.3	3887.0	6662.0	8148.0
70°	103.5	116.9	123.6	113.5	106.9	153.6	126.9	217.1	2601.3	5560.0	7256.4
72.5°	83.5	96.8	103.5	93.5	83.5	113.5	96.8	143.6	1693.0	4738.5	6448.2
75°	66.8	80.1	83.5	76.8	66.8	83.5	76.8	100.2	1105.3	3920.4	5483.2
77.5°	50.1	56.8	63.4	60.1	50.1	60.1	53.4	70.1	631.1	2751.6	3846.9
80°	40.1	43.4	43.4	43.4	40.1	36.7	36.7	46.8	283.8	1355.8	2006.9
82.5°	33.4	36.7	36.7	33.4	30.1	26.7	23.4	26.7	83.5	607.8	925.0
85°	30.1	33.4	26.7	23.4	20.0	16.7	10.0	10.0	23.4	96.8	180.3
87.5°	23.4	20.0	16.7	13.4	6.7	3.3	3.3	0.0	3.3	3.3	3.3
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: P1364539
CATALOG NUMBER: GSS-SB4A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1880.0	1880.0	1880.0	*1880.0*	1880.0	1880.0	1880.0	1880.0	1880.0	1880.0
2.5°	2130.5	2163.9	2187.3	*2207.3*	2200.6	2183.9	2150.5	2127.2	2121.8	2120.5
5°	2411.0	2464.4	2511.2	*2504.5*	2511.2	2461.1	2411.0	2350.9	2326.8	2320.8
7.5°	2644.7	2711.5	2768.3	*2761.6*	2741.6	2684.8	2601.3	2511.2	2468.4	2457.7
10°	2771.6	2848.4	2895.2	*2878.5*	2845.1	2771.6	2688.2	2581.3	2533.2	2521.2
12.5°	2795.0	2845.1	2835.1	*2828.4*	2821.7	2785.0	2721.6	2624.7	2576.6	2564.6
15°	2734.9	2714.9	2658.1	*2644.7*	2694.8	2741.6	2728.2	2648.1	2602.7	2591.3
17.5°	2634.7	2531.2	2427.7	*2414.3*	2497.8	2628.1	2731.6	2684.8	2642.1	2631.4
20°	2524.5	2330.9	2217.3	*2193.9*	2297.5	2491.1	2694.8	2721.6	2692.2	2684.8
22.5°	2394.3	2167.2	2047.0	*2033.7*	2110.5	2337.5	2641.4	2761.6	2748.3	2744.9
25°	2280.8	2023.6	1910.1	*1890.1*	1990.2	2210.6	2588.0	2828.4	2820.4	2818.4
27.5°	2187.3	1920.1	1799.9	*1786.5*	1883.4	2103.8	2521.2	2885.2	2911.9	2918.6
30°	2113.8	1843.3	1723.1	*1706.4*	1813.3	2030.3	2474.4	2965.3	3016.1	3028.8
32.5°	2057.0	1799.9	1686.4	*1676.3*	1789.9	2000.3	2447.7	3048.8	3153.0	3179.0
35°	2037.0	1813.3	1736.5	*1759.8*	1846.6	2030.3	2467.8	3185.7	3330.0	3366.0
37.5°	2080.4	1960.2	2013.6	*2073.7*	2107.1	2173.9	2561.3	3406.1	3593.1	3639.9
40°	2220.7	2354.2	2604.7	*2721.6*	2708.2	2554.6	2775.0	3716.7	3983.8	4050.6
42.5°	2578.0	3012.1	3543.0	*3740.0*	3626.5	3162.3	3115.6	4227.6	4532.1	4608.3
45°	3108.9	3806.8	4678.4	*5122.5*	4731.8	3933.7	3653.2	4955.6	5249.4	5322.9
47.5°	3639.9	4695.1	6080.9	*6608.5*	5840.5	4698.4	4357.8	5827.1	6091.6	6157.7
50°	4180.8	5676.9	7480.1	*8184.7*	6945.8	5476.5	5105.8	6902.4	7094.7	7142.8
52.5°	4738.5	6555.1	9022.9	*9630.6*	8101.2	6077.6	5960.7	8074.5	8189.4	8218.1
55°	5359.6	7386.6	10569.0	*11059.9*	9153.1	6601.8	6962.5	9300.0	9270.6	9263.3
57.5°	6187.8	8261.5	11814.5	*12499.1*	10108.1	7309.8	8301.6	10662.5	10088.1	9944.5
60°	7633.7	9620.6	13364.0	*14108.7*	11387.1	8345.0	9286.7	10632.4	9606.6	9350.1
62.5°	9310.0	10929.6	14766.5	*15394.3*	12732.9	9373.5	8501.9	8929.4	7914.2	7660.4
65°	*8087.9*	*10699.2*	*14809.9*	*15454.4*	*12782.9*	*8745.7*	*6284.6*	*6331.4*	*5476.5*	*5262.8*
67.5°	6882.4	9483.7	13487.5	*13995.1*	11403.8	7229.6	4167.5	4130.7	3593.8	3459.5
70°	6127.7	8308.2	11624.2	*11186.7*	9587.2	6111.0	2768.3	2294.1	1960.2	1876.7
72.5°	5506.6	6591.8	9420.2	*7710.5*	7954.3	4972.3	1759.8	1562.8	1303.7	1238.9
75°	4985.6	5453.1	5877.2	*5329.6*	5650.1	4097.4	1492.7	1205.5	986.4	931.7
77.5°	3967.1	4244.3	3479.6	*3379.4*	3957.1	2915.2	741.3	507.6	443.5	427.4
80°	2360.9	2006.9	1973.5	*2250.7*	2634.7	1512.7	454.1	280.5	253.8	247.1
82.5°	1429.2	724.6	788.1	*995.1*	1402.5	687.9	270.5	120.2	106.9	103.5
85°	240.4	197.0	303.9	*290.5*	273.8	146.9	73.5	33.4	30.7	30.1
87.5°	6.7	10.0	13.4	*16.7*	16.7	16.7	16.7	16.7	19.4	20.0
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

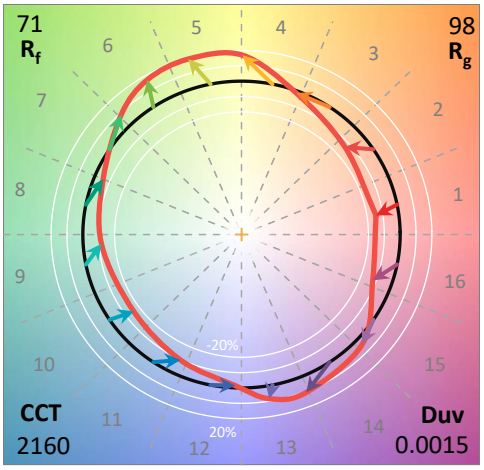
Test Information

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

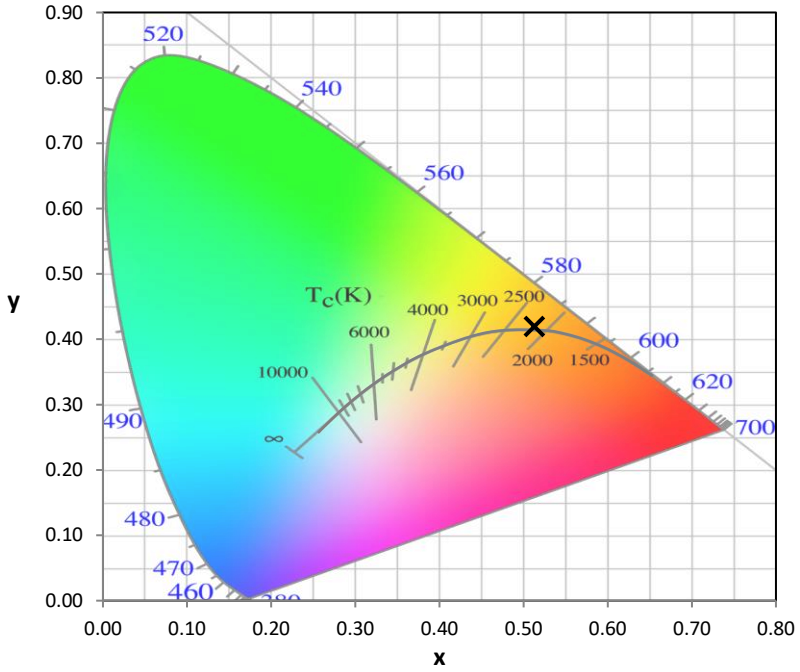
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

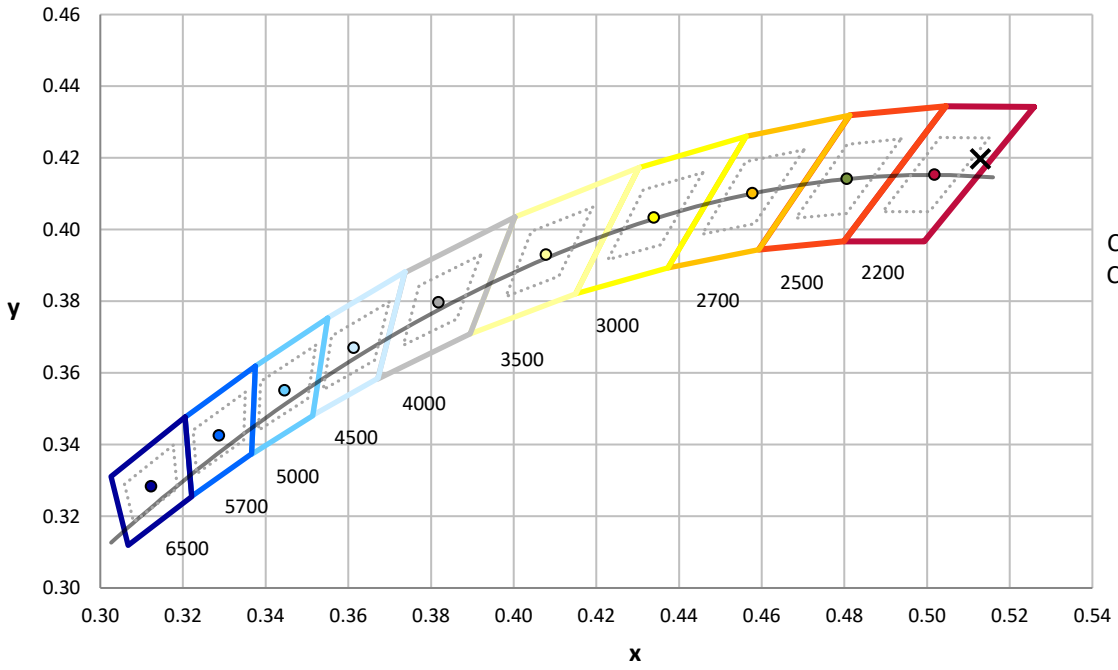
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

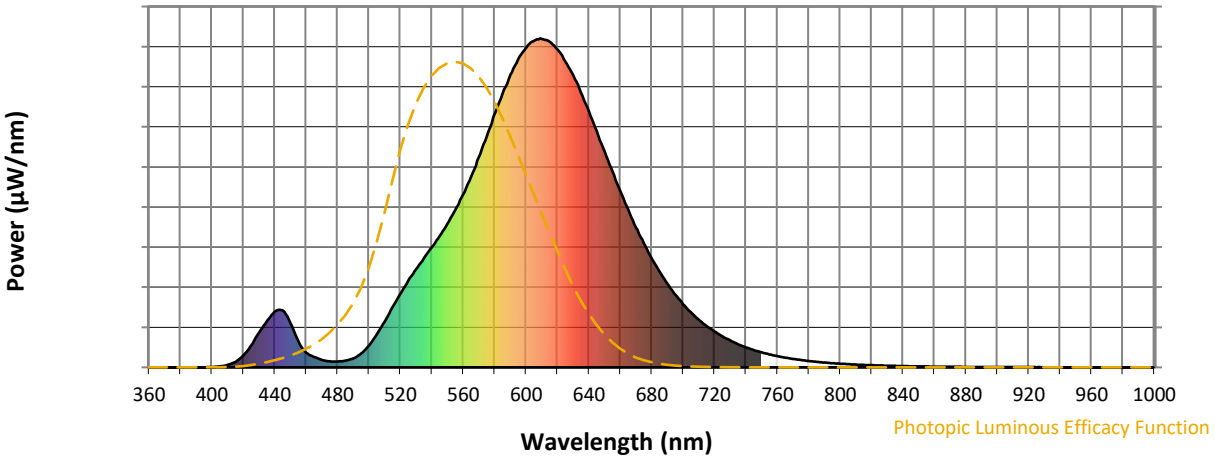


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

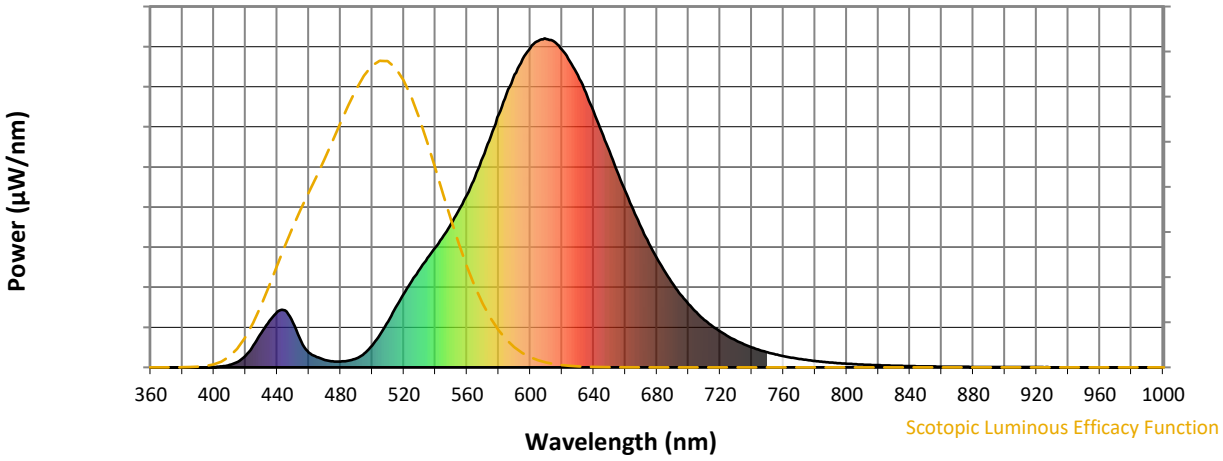


Photopic Lumens: NR

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

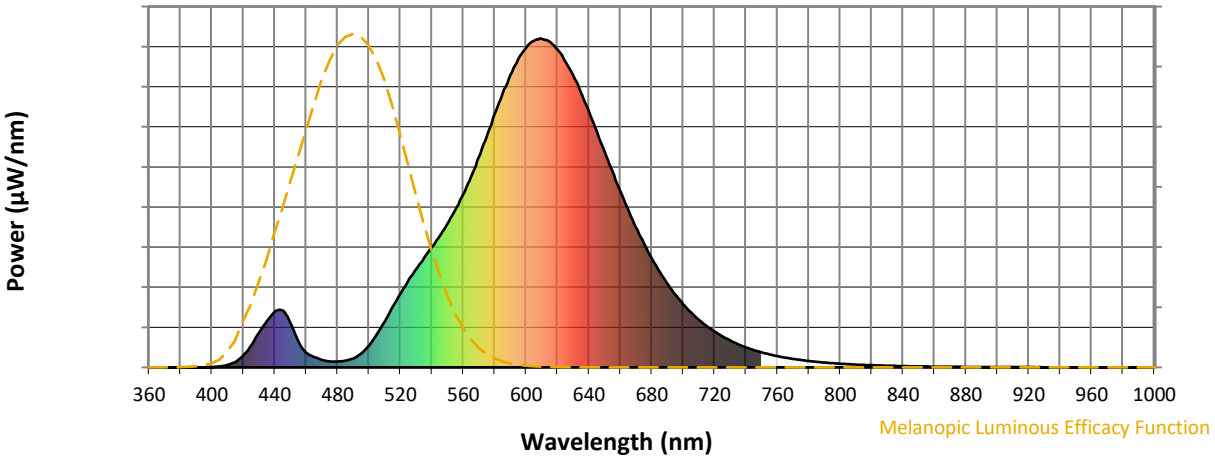


Scotopic Lumens: NR **S/P: 0.8**

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			

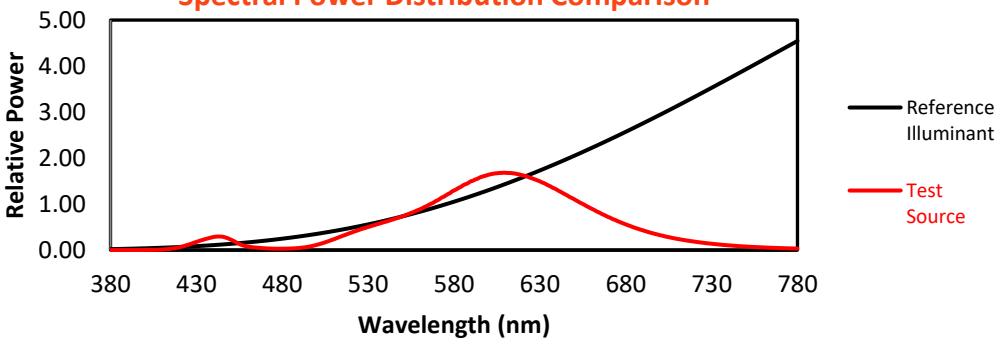
REPORT NUMBER: SP1-2407-184-2

TM-30-18

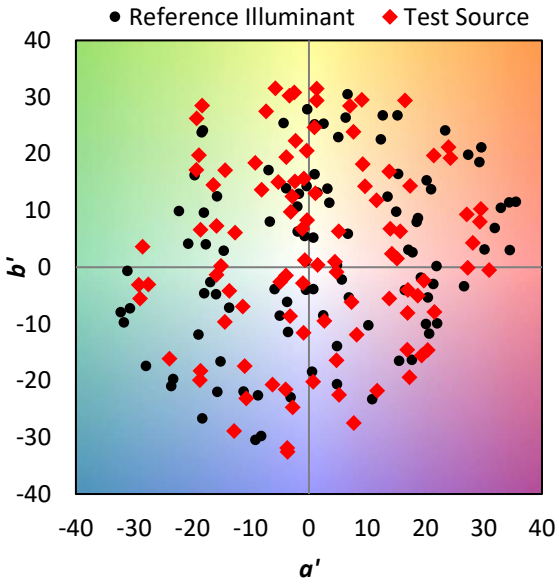
Summary

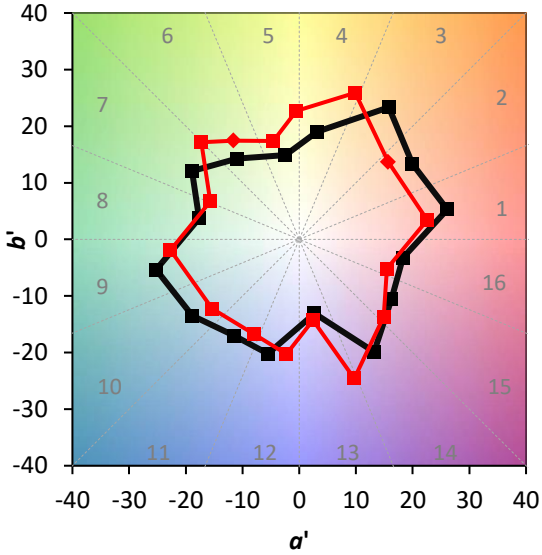
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

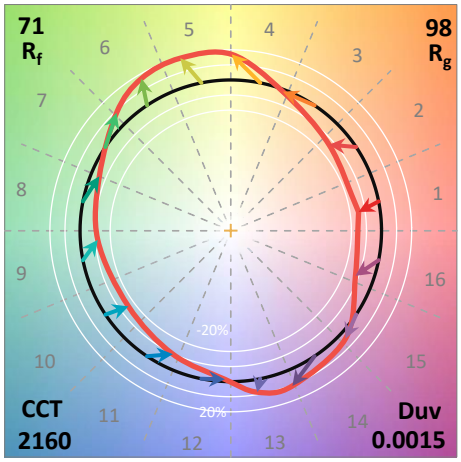
Spectral Power Distribution Comparison

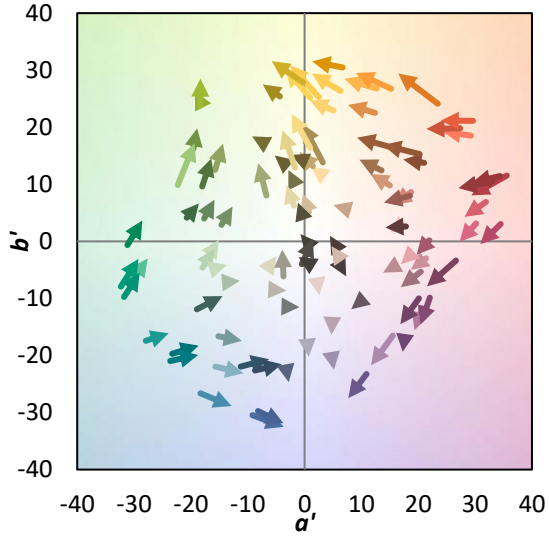


Color Vector Graphics







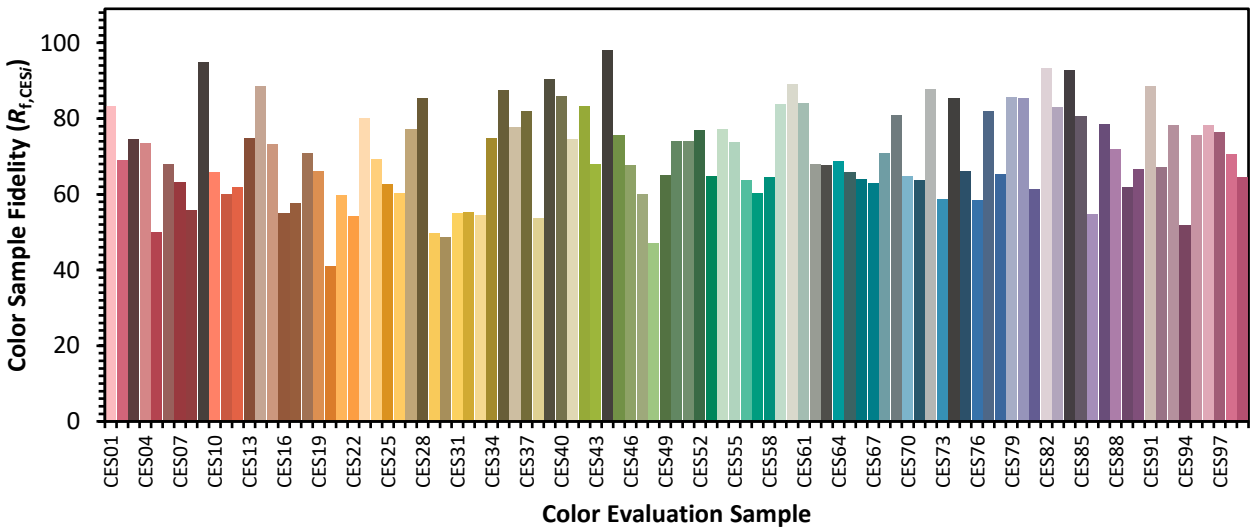


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Individual Sample Fidelity Index ($R_{f,i}$)

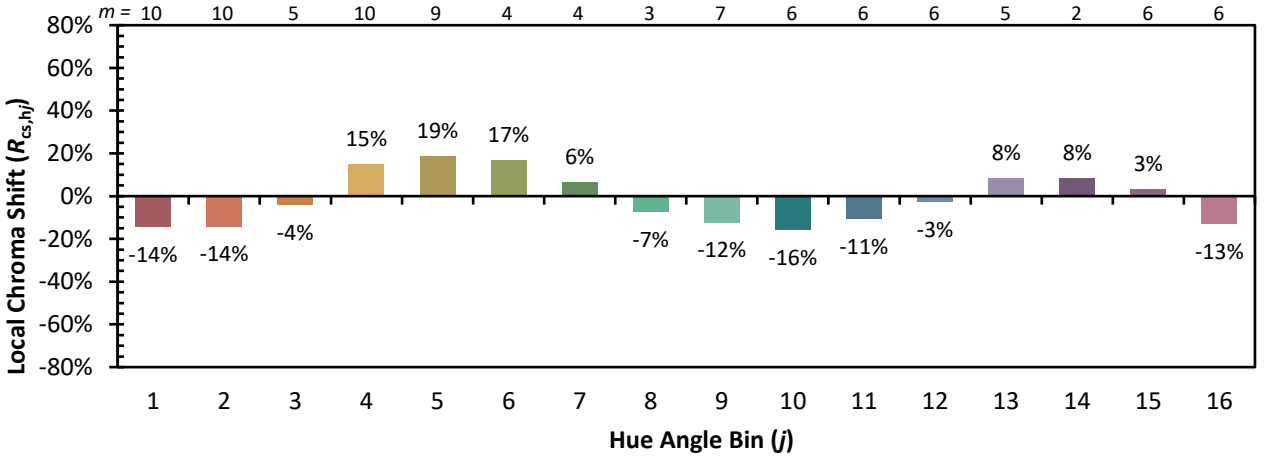
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CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57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

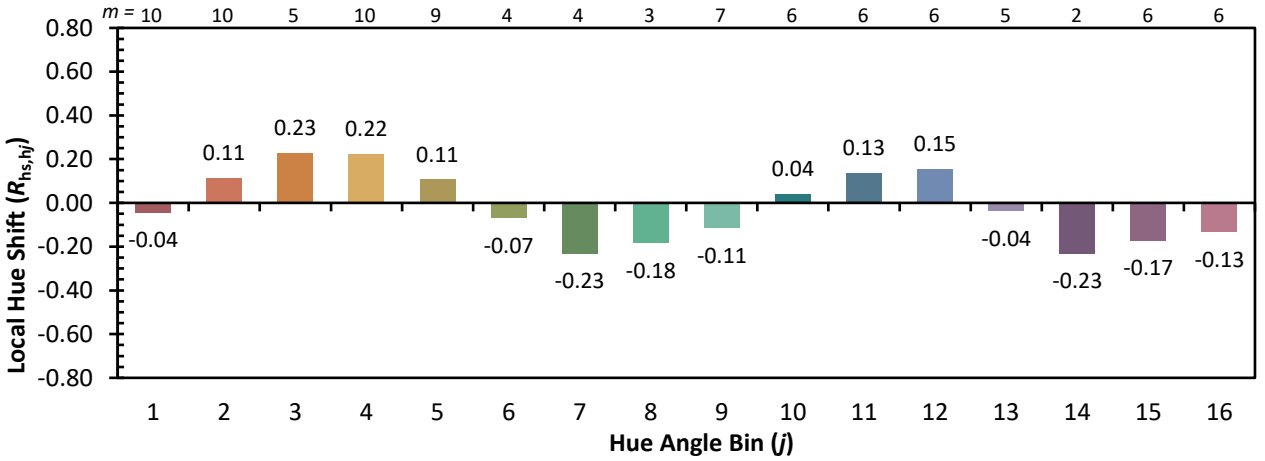


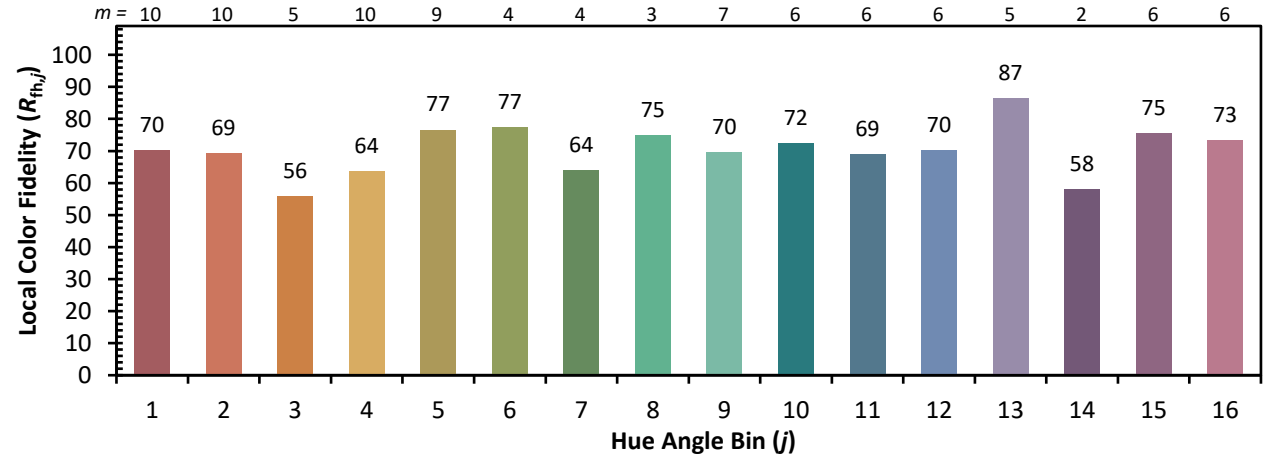
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Color Rendition by Hue-Angle Bin



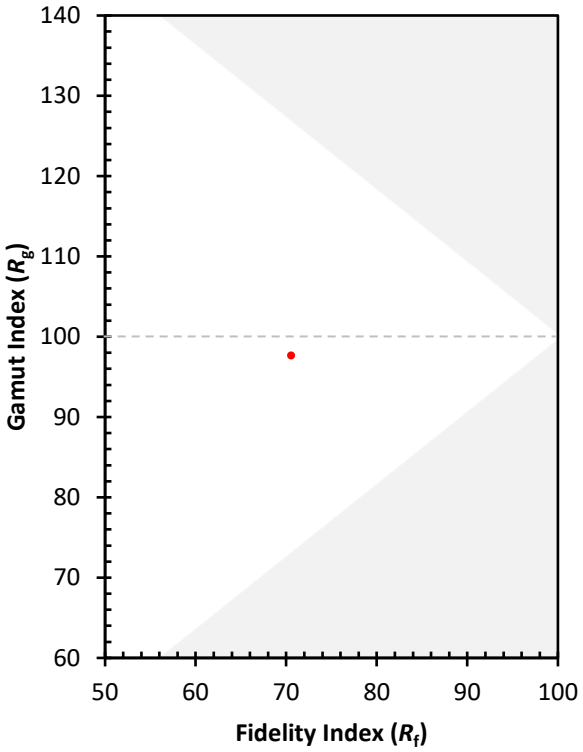


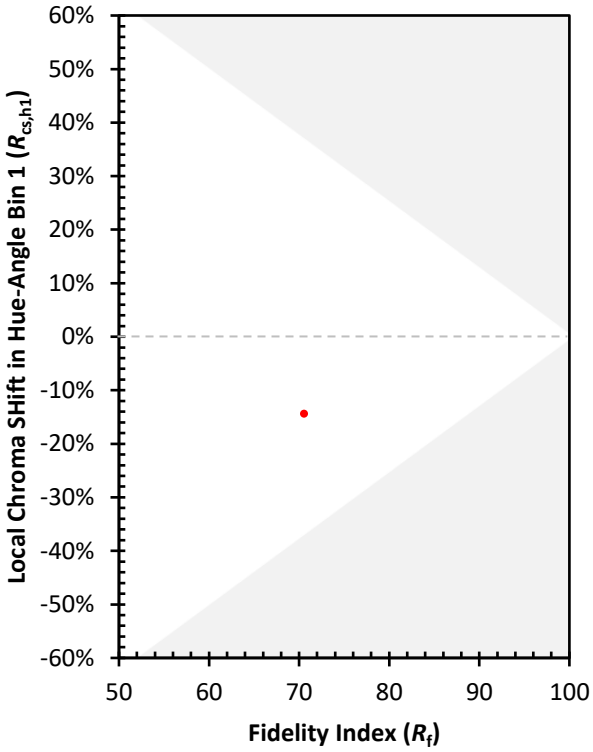


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Measure Comparisons





(END OF REPORT)