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: P1501781

Luminaire Tested: GSS-SB1A-730-U-T2LG-HSS

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:	P1501781
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-730-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3302.9 lumens
Efficiency:	N/A
Efficacy:	106.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

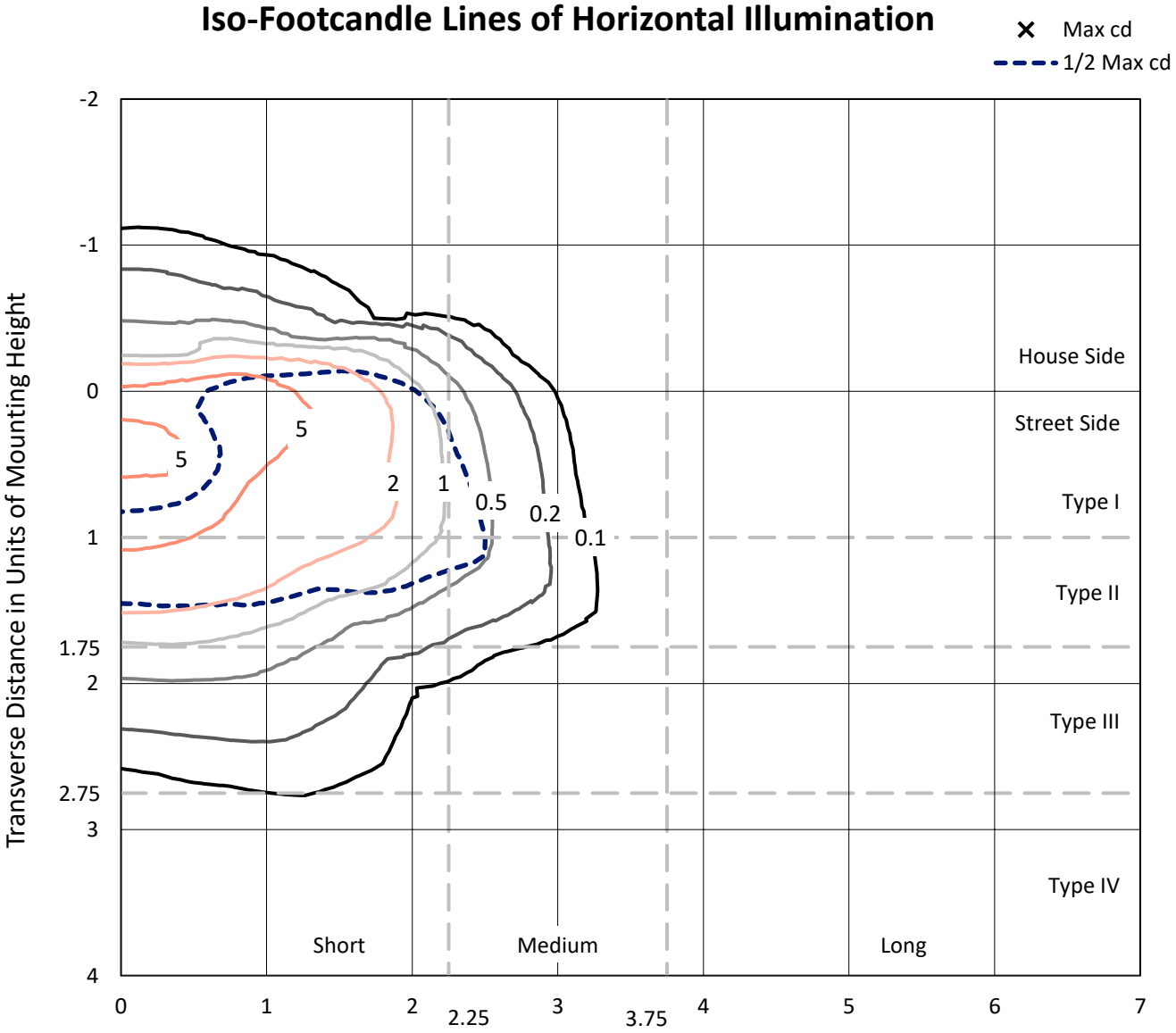
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



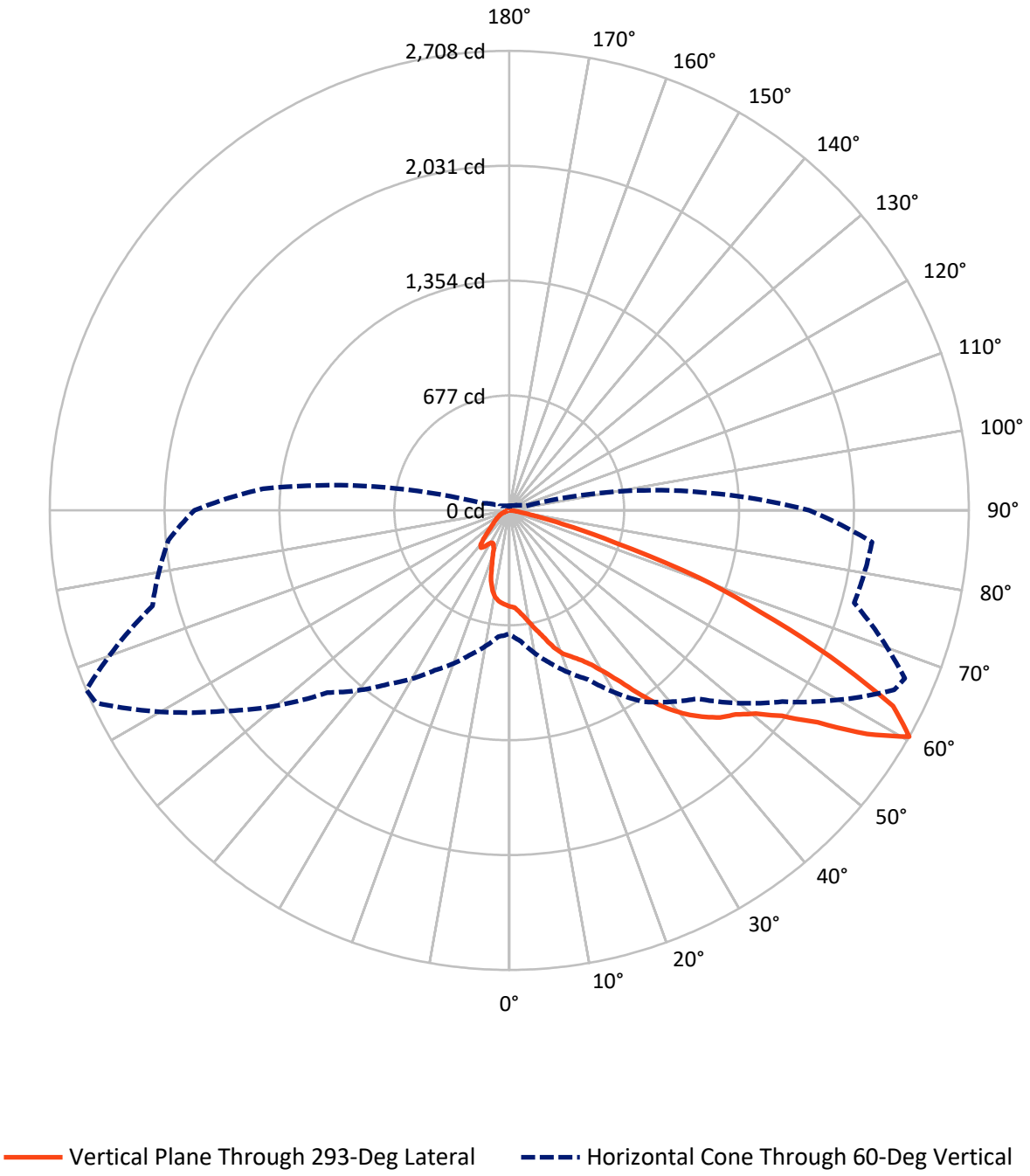
Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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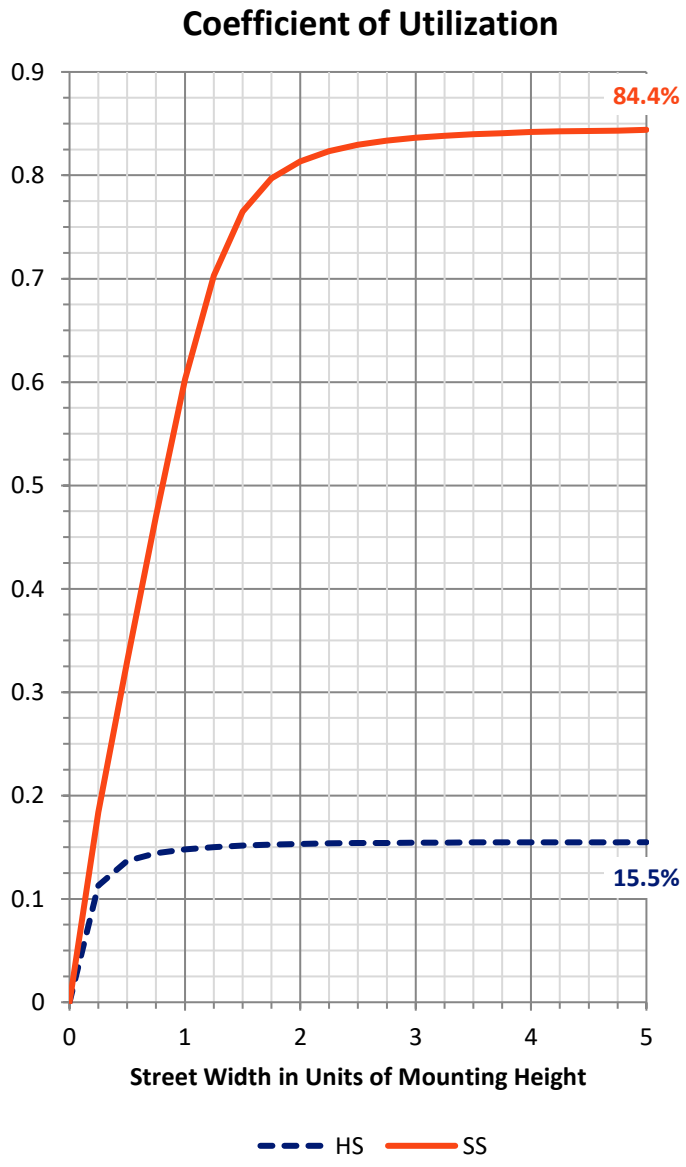
REPORT NUMBER: P1501781
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.3	0.0	515.3
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	2787.6	0.0	2787.6
	% Fixture	84.4	0.0	84.4
Total	Lumens	3302.9	0.0	3302.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.6
10°-20°	129.1	3.9
20°-30°	241.0	7.3
30°-40°	477.9	14.5
40°-50°	762.0	23.1
50°-60°	910.4	27.6
60°-70°	596.8	18.1
70°-80°	125.0	3.8
80°-90°	9.4	0.3
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°	3302.9	100.0
0°-180°	3302.9	100.0



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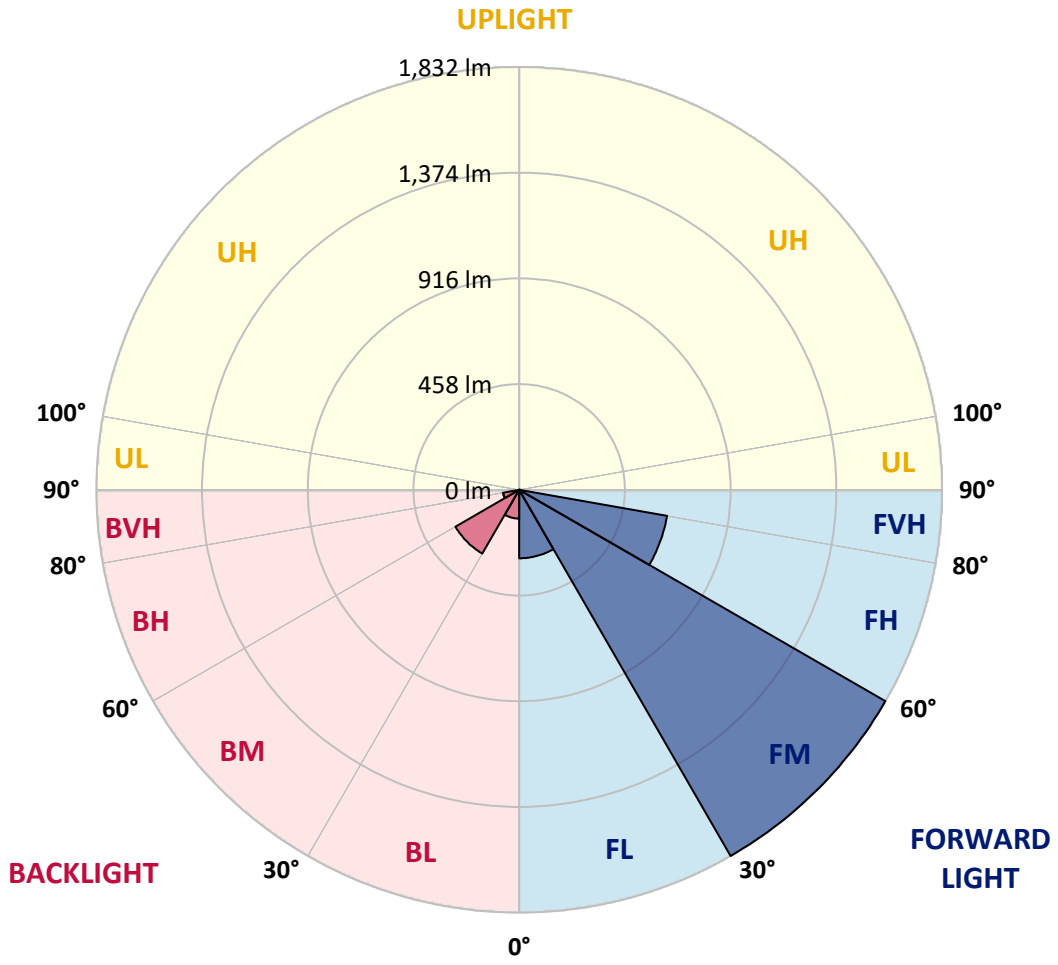
Scaled Data Report

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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°)	296.7	9.0			
FM	(30°-60°)	1831.6	55.5			
FH	(60°-80°)	650.6	19.7			G0/660
FVH	(80°-90°)	8.7	0.3			G0/10
BL	(0°-30°)	124.7	3.8	B1/500		
BM	(30°-60°)	318.7	9.6	B1/1000		
BH	(60°-80°)	71.2	2.2	B0/110		G0/110
BVH	(80°-90°)	0.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1
2.5°	594.8	592.9	590.1	591.1	590.1	586.4	580.9	576.3	580.0	574.4	570.7
5°	612.3	612.3	610.5	610.5	611.4	609.6	605.9	599.4	600.3	595.7	583.7
7.5°	612.3	609.6	614.2	618.8	627.1	631.8	633.6	629.9	631.8	622.5	606.8
10°	576.3	574.4	586.4	604.0	628.1	649.3	663.2	664.1	666.9	657.7	639.2
12.5°	499.5	495.8	519.8	553.1	602.2	651.2	690.0	704.8	711.3	707.6	681.7
15°	428.3	432.9	449.5	485.6	551.3	626.2	704.8	753.9	763.1	767.7	737.2
17.5°	420.9	421.8	427.3	444.9	494.9	585.5	706.7	804.7	817.7	838.0	796.4
20°	441.2	439.4	444.9	450.5	474.5	549.4	689.1	853.7	878.7	922.2	876.9
22.5°	479.1	479.1	481.9	485.6	497.6	546.7	681.7	899.1	941.6	1030.4	977.7
25°	543.0	535.6	537.4	532.8	543.0	580.0	698.4	935.1	993.4	1150.7	1097.9
27.5°	641.9	644.7	628.1	603.1	608.6	640.1	739.1	975.8	1047.1	1275.5	1220.0
30°	778.8	774.2	764.0	715.0	692.8	720.6	814.0	1042.4	1119.2	1433.7	1382.8
32.5°	886.1	899.1	881.5	847.3	813.0	821.4	919.4	1149.7	1207.1	1578.9	1551.2
35°	1015.6	1015.6	1019.3	971.2	948.1	946.2	1051.7	1266.3	1323.6	1710.3	1729.7
37.5°	1190.4	1178.4	1158.1	1104.4	1086.8	1110.0	1175.6	1386.5	1448.5	1816.6	1868.4
40°	1337.5	1345.8	1343.1	1265.4	1231.1	1256.1	1314.4	1489.2	1537.3	1885.1	1980.4
42.5°	1481.8	1486.4	1474.4	1437.4	1387.5	1389.3	1437.4	1566.9	1615.9	1950.8	2085.8
45°	1590.0	1589.1	1580.8	1571.5	1541.9	1511.4	1519.7	1652.9	1695.5	1972.0	2143.2
47.5°	1624.2	1631.6	1639.0	1664.9	1685.3	1637.2	1594.7	1699.2	1738.0	1968.3	2164.4
50°	1592.8	1608.5	1644.6	1683.4	1752.8	1749.1	1657.5	1749.1	1787.0	1988.7	2189.4
52.5°	1522.5	1538.2	1586.3	1656.6	1761.1	1812.9	1774.1	1833.3	1877.7	2040.5	2241.2
55°	1358.8	1365.3	1464.2	1556.7	1719.5	1785.2	1899.0	1975.7	2012.7	2103.4	2309.7
57.5°	1106.3	1122.0	1219.1	1369.9	1603.0	1712.1	1970.2	2219.0	2218.1	2163.5	2324.5
60°	*728.0*	*774.2*	*932.4*	*1098.9*	*1377.3*	*1568.8*	*1965.6*	*2503.9*	*2532.6*	*2104.3*	*2145.9*
62.5°	555.9	575.3	665.1	803.8	1019.3	1300.5	1935.0	2589.0	2611.2	1945.2	1878.6
65°	418.1	442.1	528.2	652.1	719.6	881.5	1735.2	2250.5	2281.0	1736.2	1460.5
67.5°	256.2	275.6	390.3	535.6	544.8	547.6	1171.0	1704.7	1715.8	1400.4	983.2
70°	171.1	190.5	270.1	411.6	433.8	315.4	642.9	1290.3	1289.4	958.3	597.5
72.5°	99.0	108.2	171.1	303.4	341.3	200.7	321.0	820.4	784.4	450.5	279.3
75°	56.4	62.9	94.3	195.2	239.6	127.6	126.7	439.4	388.5	232.2	152.6
77.5°	34.2	37.0	51.8	127.6	144.3	86.0	70.3	204.4	197.0	136.0	80.5
80°	16.6	19.4	31.4	74.9	92.5	46.2	42.5	80.5	86.0	74.9	42.5
82.5°	5.5	7.4	17.6	28.7	60.1	18.5	17.6	44.4	47.2	44.4	20.3
85°	2.8	3.7	8.3	9.2	23.1	9.2	6.5	19.4	24.0	14.8	8.3
87.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
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°	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1
2.5°	567.9	566.1	562.4	555.9	555.0	550.4	543.0	538.3	534.6	537.4	538.3
5°	578.1	573.5	562.4	544.8	526.3	507.8	490.2	469.9	456.0	454.2	450.5
7.5°	596.6	587.4	563.3	529.1	481.9	437.5	385.7	335.8	310.8	307.1	298.8
10°	626.2	610.5	570.7	501.3	410.7	318.2	239.6	185.9	155.4	149.8	151.7
12.5°	661.4	639.2	571.6	454.2	312.6	197.0	136.0	115.6	109.1	106.4	106.4
15°	706.7	674.3	570.7	393.1	210.9	126.7	109.1	100.8	98.0	96.2	96.2
17.5°	764.0	721.5	564.2	301.5	142.4	110.1	99.9	93.4	89.7	88.8	88.8
20°	831.5	774.2	549.4	224.8	119.3	102.7	94.3	86.0	83.2	81.4	81.4
22.5°	917.6	838.0	520.8	174.8	112.8	98.0	88.8	79.5	76.8	74.9	74.9
25°	1017.5	919.4	482.8	157.2	111.9	94.3	83.2	74.0	71.2	70.3	69.4
27.5°	1135.9	1006.4	447.7	158.2	113.8	91.6	77.7	69.4	66.6	63.8	64.7
30°	1275.5	1096.1	419.0	169.3	115.6	88.8	74.0	66.6	63.8	60.1	60.1
32.5°	1413.4	1201.5	416.2	189.6	122.1	86.9	70.3	62.9	60.1	57.3	57.3
35°	1554.9	1297.7	432.0	216.4	135.0	84.2	65.7	59.2	56.4	54.6	53.6
37.5°	1689.9	1374.5	446.8	233.1	127.6	72.1	60.1	54.6	51.8	48.1	48.1
40°	1779.6	1416.1	449.5	220.1	105.4	64.7	54.6	49.0	45.3	43.5	42.5
42.5°	1845.3	1443.0	418.1	178.5	91.6	59.2	49.9	44.4	41.6	39.8	39.8
45°	1872.1	1433.7	364.4	136.0	84.2	54.6	45.3	40.7	38.8	37.0	37.0
47.5°	1868.4	1391.2	309.9	109.1	76.8	49.9	42.5	38.8	37.0	35.1	34.2
50°	1862.0	1351.4	254.4	97.1	68.4	47.2	39.8	37.0	34.2	32.4	31.4
52.5°	1904.5	1338.4	210.9	88.8	63.8	45.3	38.8	35.1	32.4	30.5	30.5
55°	1947.1	1344.0	165.6	83.2	59.2	44.4	37.9	34.2	31.4	28.7	28.7
57.5°	1944.3	1319.9	125.8	77.7	55.5	43.5	37.0	33.3	28.7	26.8	26.8
60°	*1767.6*	*1177.5*	*98.0*	*71.2*	*50.9*	*40.7*	*34.2*	*31.4*	*26.8*	*24.0*	*24.0*
62.5°	1494.8	925.9	80.5	62.9	45.3	37.0	31.4	28.7	24.0	19.4	19.4
65°	1104.4	667.8	64.7	54.6	41.6	32.4	28.7	25.0	19.4	15.7	14.8
67.5°	747.4	410.7	51.8	45.3	37.0	27.7	24.0	21.3	17.6	12.9	12.0
70°	443.1	218.3	37.9	31.4	27.7	20.3	20.3	18.5	14.8	11.1	10.2
72.5°	210.9	75.8	27.7	23.1	21.3	14.8	15.7	15.7	12.0	8.3	7.4
75°	107.3	37.0	18.5	16.6	13.9	11.1	12.9	12.0	8.3	5.5	5.5
77.5°	61.0	25.9	12.9	11.1	9.2	7.4	8.3	7.4	4.6	2.8	2.8
80°	34.2	18.5	8.3	7.4	5.5	4.6	4.6	3.7	2.8	0.9	0.9
82.5°	12.9	11.1	5.5	3.7	2.8	2.8	1.8	1.8	0.9	0.0	0.0
85°	5.5	2.8	2.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1
2.5°	530.9	532.8	534.6	542.0	543.9	549.4	554.1	559.6	560.5	567.9	567.9
5°	457.9	456.9	472.7	495.8	510.6	530.9	546.7	563.3	572.6	584.6	590.1
7.5°	303.4	326.5	361.7	402.4	455.1	504.1	541.1	573.5	595.7	609.6	615.1
10°	150.8	163.7	200.7	267.3	357.0	456.9	535.6	595.7	631.8	647.5	657.7
12.5°	106.4	109.1	115.6	151.7	237.7	379.2	518.0	619.7	669.7	699.3	712.2
15°	95.3	97.1	99.9	110.1	147.1	283.0	486.5	646.6	728.9	763.1	779.8
17.5°	87.9	88.8	91.6	99.9	115.6	192.4	435.7	675.2	800.1	841.7	873.2
20°	81.4	81.4	84.2	94.3	107.3	148.0	362.6	707.6	890.7	950.9	982.3
22.5°	74.0	75.8	77.7	88.8	104.5	135.0	294.1	732.6	991.6	1064.6	1101.6
25°	68.4	70.3	72.1	83.2	101.7	135.0	254.4	748.3	1104.4	1191.4	1242.2
27.5°	63.8	65.7	68.4	79.5	99.0	140.6	238.6	752.9	1227.4	1340.3	1408.7
30°	60.1	62.0	64.7	76.8	100.8	147.1	244.2	746.5	1352.3	1493.8	1575.2
32.5°	56.4	58.3	61.0	74.0	100.8	155.4	262.7	733.5	1473.5	1647.4	1747.3
35°	53.6	54.6	55.5	66.6	91.6	154.5	285.8	720.6	1595.6	1799.1	1915.6
37.5°	48.1	49.0	50.9	57.3	73.1	140.6	290.4	704.8	1691.8	1926.7	2055.3
40°	42.5	44.4	46.2	52.7	61.0	113.8	270.1	671.5	1742.6	2024.8	2181.1
42.5°	38.8	39.8	41.6	48.1	56.4	90.6	226.6	613.3	1788.0	2091.4	2272.7
45°	36.1	37.0	38.8	43.5	52.7	78.6	178.5	542.0	1791.7	2112.6	2317.1
47.5°	33.3	34.2	35.1	39.8	50.9	70.3	136.9	477.3	1790.7	2140.4	2355.0
50°	31.4	32.4	34.2	37.9	48.1	62.9	112.8	424.6	1829.6	2200.5	2431.7
52.5°	30.5	30.5	33.3	37.0	45.3	57.3	94.3	377.4	1849.9	2259.7	2487.2
55°	28.7	29.6	31.4	35.1	42.5	54.6	80.5	318.2	1859.2	2289.3	2497.4
57.5°	26.8	27.7	30.5	33.3	40.7	51.8	69.4	237.7	1726.9	2134.8	2327.2
60°	*24.0*	*25.9*	*29.6*	*32.4*	*37.9*	*47.2*	*61.0*	*160.9*	*1456.8*	*1855.5*	*2016.4*
62.5°	19.4	23.1	26.8	28.7	34.2	39.8	51.8	107.3	1163.6	1535.5	1718.6
65°	14.8	19.4	22.2	25.0	28.7	33.3	43.5	73.1	776.1	1033.2	1239.5
67.5°	12.9	16.6	18.5	20.3	24.0	28.7	35.1	50.9	470.8	620.7	824.1
70°	10.2	13.9	15.7	14.8	18.5	22.2	25.0	34.2	240.5	336.7	469.0
72.5°	7.4	11.1	12.0	12.0	11.1	15.7	18.5	24.0	104.5	163.7	212.7
75°	5.5	7.4	8.3	7.4	6.5	10.2	12.9	15.7	68.4	98.0	123.9
77.5°	2.8	2.8	4.6	4.6	2.8	5.5	6.5	9.2	38.8	57.3	71.2
80°	0.9	0.0	0.0	0.9	0.0	1.8	2.8	4.6	20.3	30.5	44.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	10.2	9.2	23.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.5
87.5°	0.0	0.0	0.0	0.0	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

REPORT NUMBER: P1501781
CATALOG NUMBER: GSS-SB1A-730-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	566.1	*566.1*	566.1	566.1	566.1	566.1	566.1	566.1	566.1	566.1
2.5°	572.6	*572.6*	576.3	581.8	584.6	586.4	587.4	589.2	596.6	594.8
5°	596.6	*598.5*	601.2	606.8	613.3	611.4	611.4	611.4	616.0	612.3
7.5°	628.1	*633.6*	634.5	641.0	636.4	627.1	621.6	613.3	612.3	612.3
10°	678.9	*677.1*	677.1	668.8	652.1	625.3	601.2	584.6	575.3	576.3
12.5°	733.5	*726.1*	727.0	696.5	649.3	590.1	541.1	505.0	502.3	499.5
15°	801.0	*781.6*	777.9	707.6	607.7	517.1	469.0	440.3	431.0	428.3
17.5°	897.2	*848.2*	830.6	688.2	553.1	471.7	435.7	422.7	421.8	420.9
20°	999.0	*901.8*	868.5	659.5	534.6	472.7	445.8	442.1	440.3	441.2
22.5°	1117.4	*936.1*	893.5	664.1	551.3	503.2	481.9	479.1	477.3	479.1
25°	1239.5	*975.8*	923.1	701.1	601.2	559.6	534.6	529.1	534.6	543.0
27.5°	1362.5	*1029.5*	981.4	774.2	681.7	636.4	612.3	632.7	641.0	641.9
30°	1471.6	*1104.4*	1060.0	876.9	773.3	728.0	732.6	758.5	768.7	778.8
32.5°	1571.5	*1204.3*	1170.1	993.4	891.7	864.8	862.1	881.5	892.6	886.1
35°	1672.3	*1334.7*	1301.4	1120.1	1036.9	1014.7	991.6	1029.5	1025.8	1015.6
37.5°	1767.6	*1466.1*	1435.6	1256.1	1170.1	1131.2	1127.5	1161.8	1192.3	1190.4
40°	1836.1	*1572.5*	1535.5	1391.2	1309.8	1276.5	1295.9	1355.1	1347.7	1337.5
42.5°	1899.0	*1663.1*	1629.8	1509.6	1424.5	1439.3	1456.8	1496.6	1492.0	1481.8
45°	1928.6	*1740.8*	1712.1	1599.3	1557.7	1604.8	1603.9	1618.7	1593.7	1590.0
47.5°	1970.2	*1796.3*	1766.7	1679.7	1716.7	1736.2	1681.6	1665.9	1642.7	1624.2
50°	2047.0	*1882.3*	1852.7	1801.8	1833.3	1773.2	1706.6	1672.3	1625.2	1592.8
52.5°	2136.7	*2012.7*	1986.8	1966.5	1878.6	1754.7	1669.6	1607.6	1550.3	1522.5
55°	2249.5	*2205.1*	2186.6	2074.7	1837.9	1678.8	1578.9	1463.3	1384.7	1358.8
57.5°	2286.5	*2487.2*	2480.8	2092.3	1724.1	1541.0	1360.6	1204.3	1122.9	1106.3
60°	*2177.4*	*2708.3*	*2685.2*	*2062.7*	*1517.9*	*1250.6*	*1039.7*	*879.6*	*747.4*	*728.0*
62.5°	2037.7	*2539.0*	2530.7	1913.8	1156.2	896.3	777.0	627.1	570.7	555.9
65°	1745.4	*2077.5*	2081.2	1535.5	731.7	643.8	638.2	498.6	429.2	418.1
67.5°	1344.0	*1593.7*	1567.8	965.7	426.4	515.2	509.7	364.4	263.6	256.2
70°	785.3	*1186.7*	1145.1	502.3	282.1	430.1	392.2	256.2	179.4	171.1
72.5°	346.9	*653.0*	701.1	221.1	198.9	342.2	283.0	157.2	100.8	99.0
75°	192.4	*323.7*	338.5	96.2	139.7	243.3	171.1	87.9	57.3	56.4
77.5°	115.6	*143.4*	139.7	62.0	104.5	155.4	103.6	49.9	36.1	34.2
80°	64.7	*65.7*	55.5	45.3	62.0	86.9	58.3	31.4	16.6	16.6
82.5°	39.8	*36.1*	28.7	13.9	16.6	52.7	21.3	17.6	5.5	5.5
85°	16.6	*11.1*	7.4	2.8	6.5	13.9	7.4	8.3	2.8	2.8
87.5°	0.0	*0.0*	0.0	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

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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

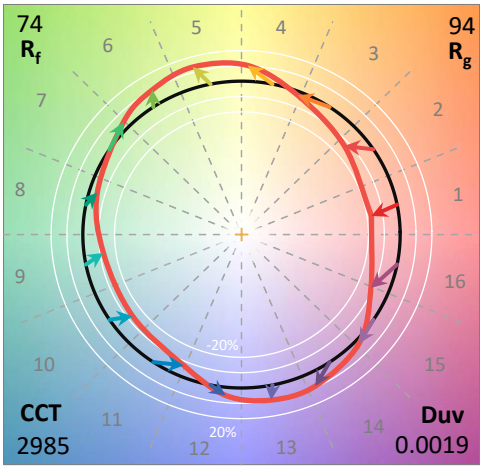
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-4
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-730-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985
CIE u':	0.2504
CIE v':	0.5243
Duv:	0.0019
CIE x:	0.4408
CIE y:	0.4101
CIE z:	0.1491
Peak Wavelength (nm):	595
Dominant Wavelength (nm):	582
Purity:	55.41818
Rf:	73.8
Rg:	94.4

CRI (Ra):	70.8
R1:	66.3
R2:	80.6
R3:	94.5
R4:	68.2
R5:	66.5
R6:	74.7
R7:	76.2
R8:	39.6
R9:	-43.2
R10:	57.6
R11:	64.8
R12:	53.5
R13:	68.7
R14:	97.0
R15:	56.4



Test Conditions

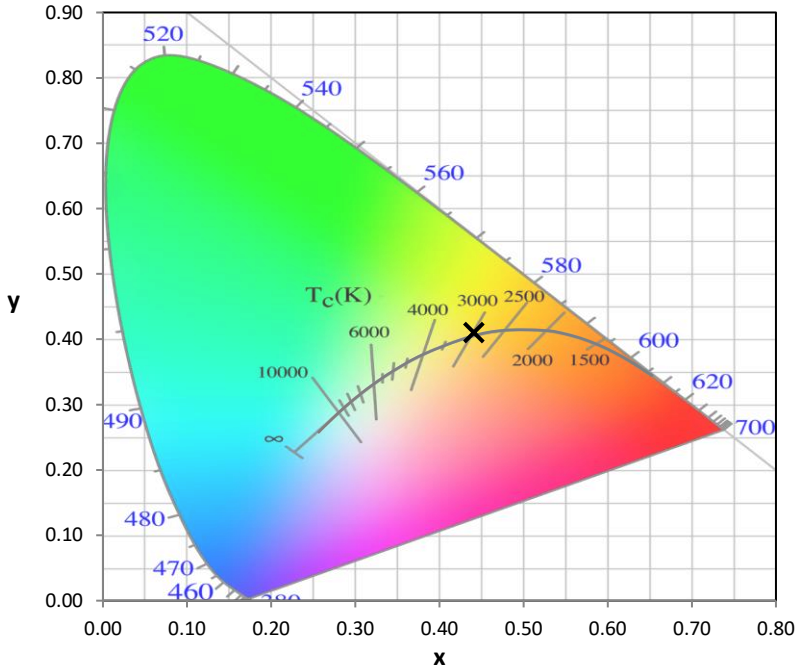
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

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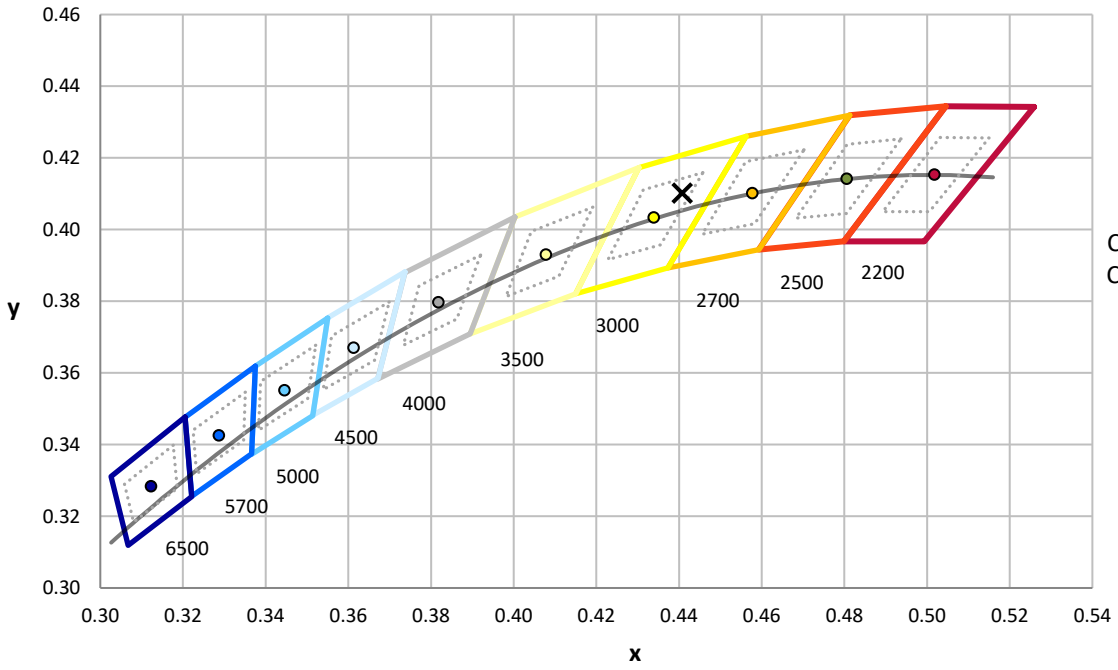
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



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

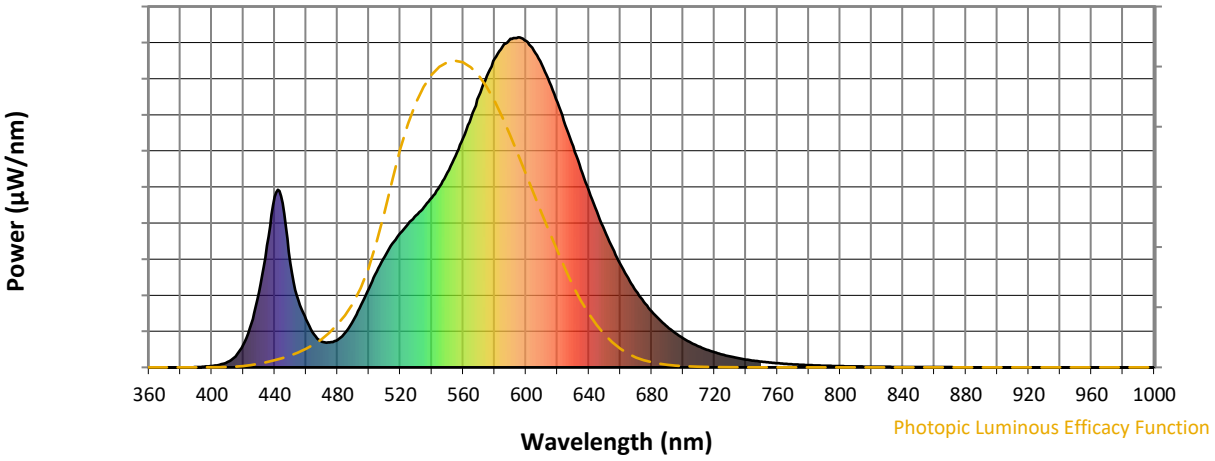


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

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Photopic Flux vs. Wavelength

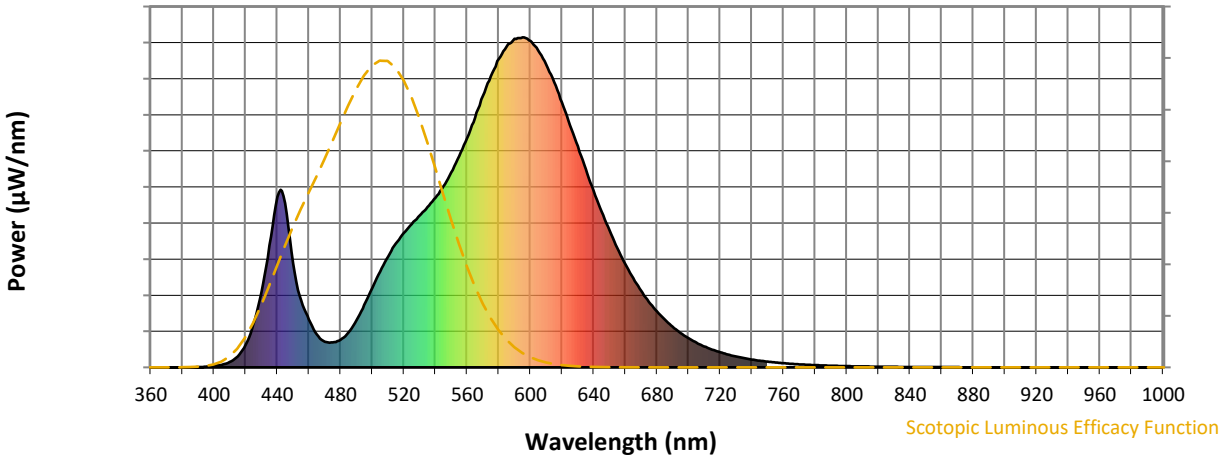


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

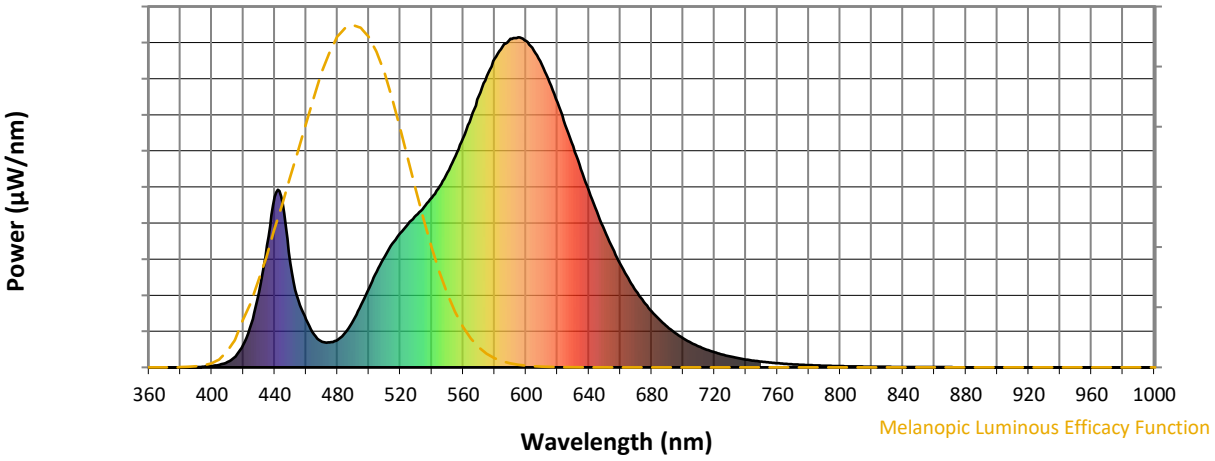


Scotopic Lumens: NR **S/P: 1.19**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.13**

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

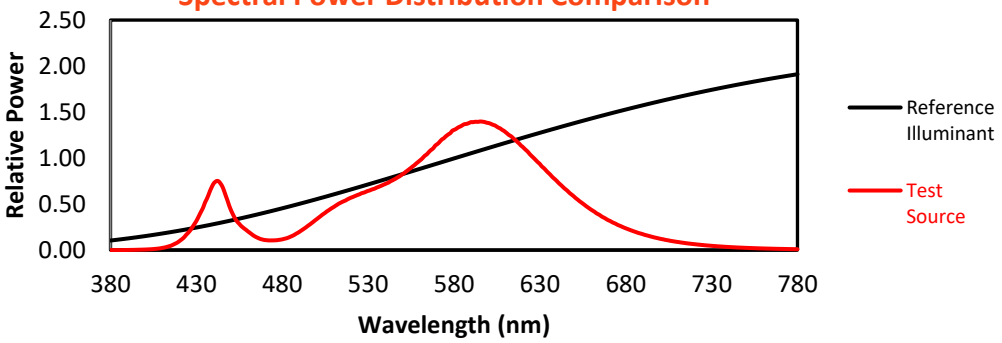
REPORT NUMBER: SP1-2407-184-4

TM-30-18

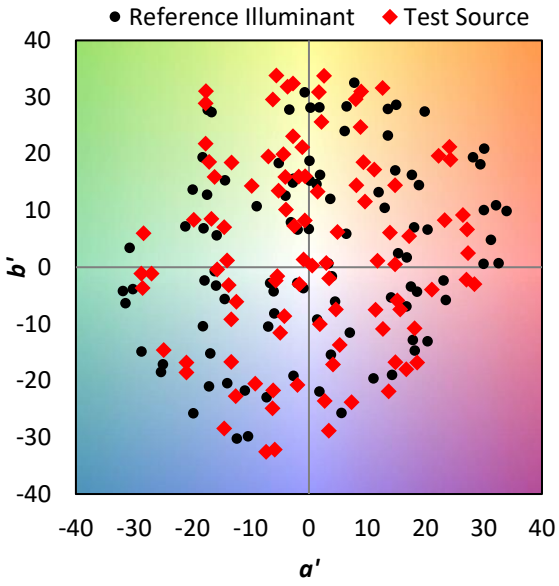
Summary

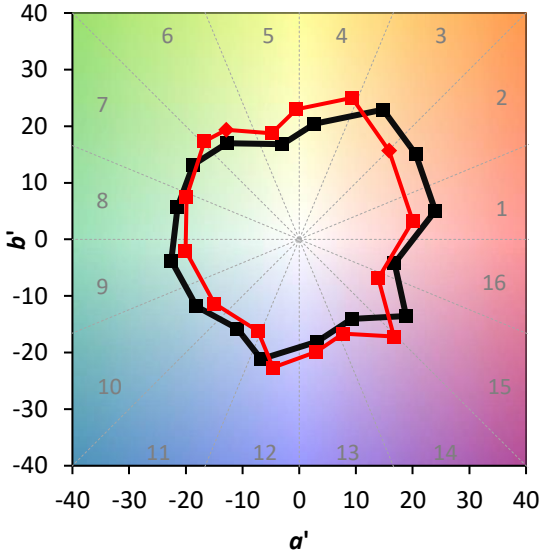
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

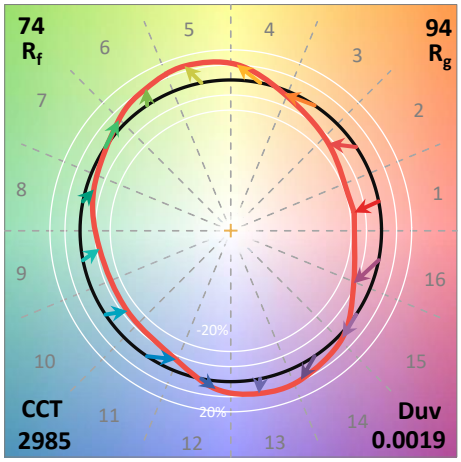
Spectral Power Distribution Comparison

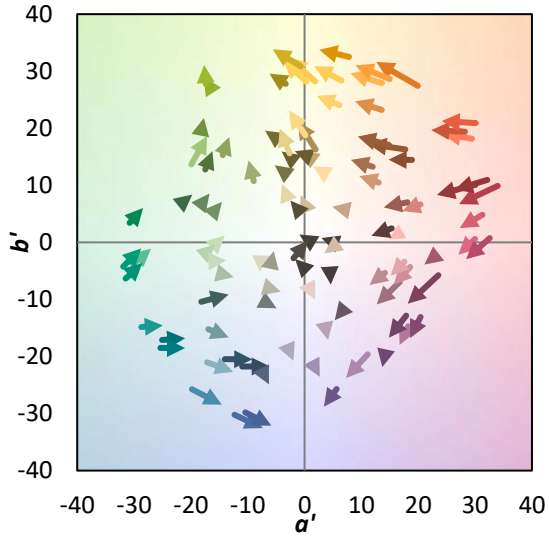


Color Vector Graphics







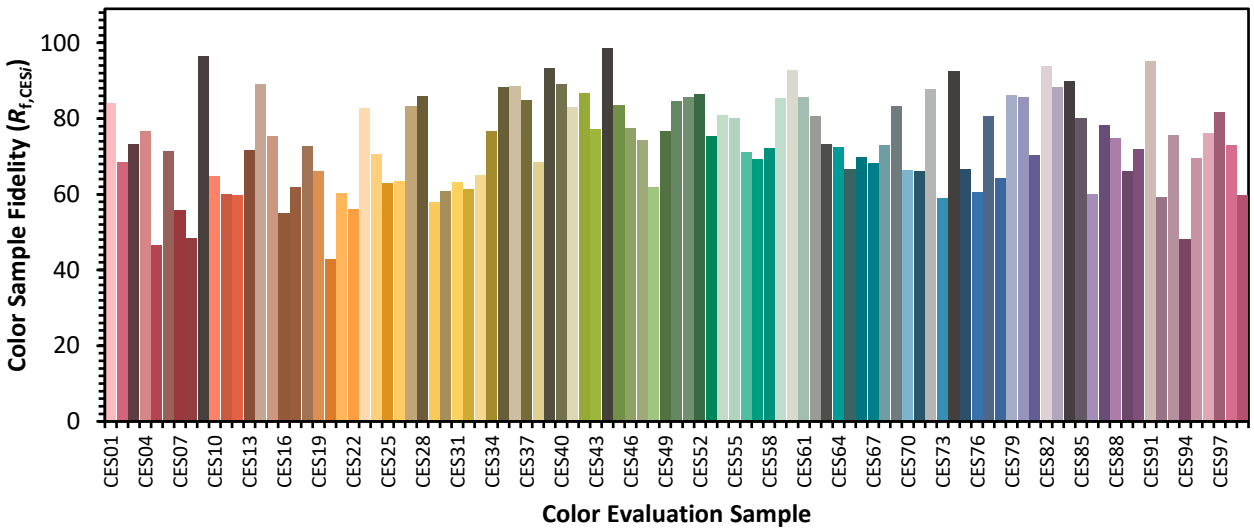


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

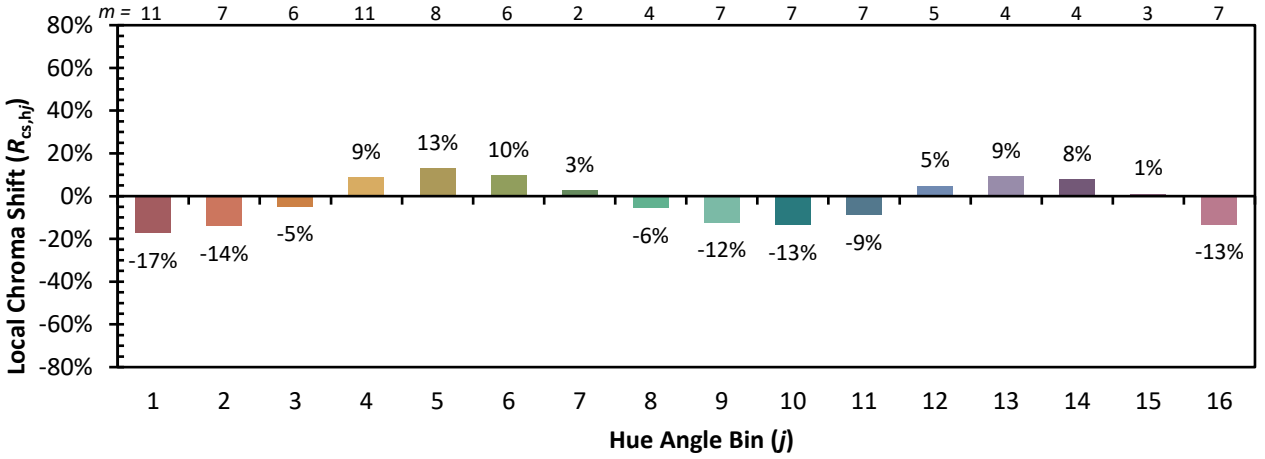
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
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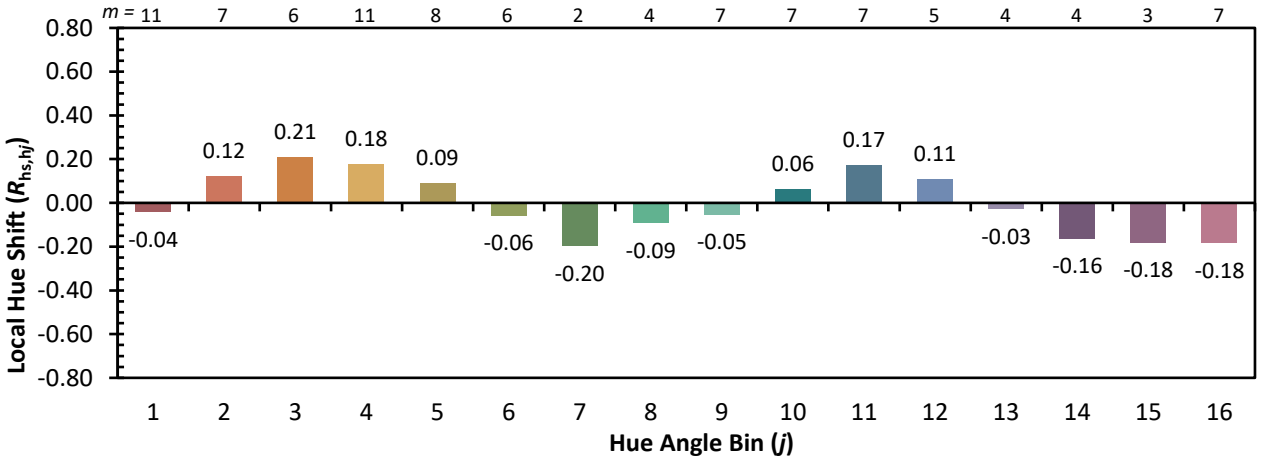


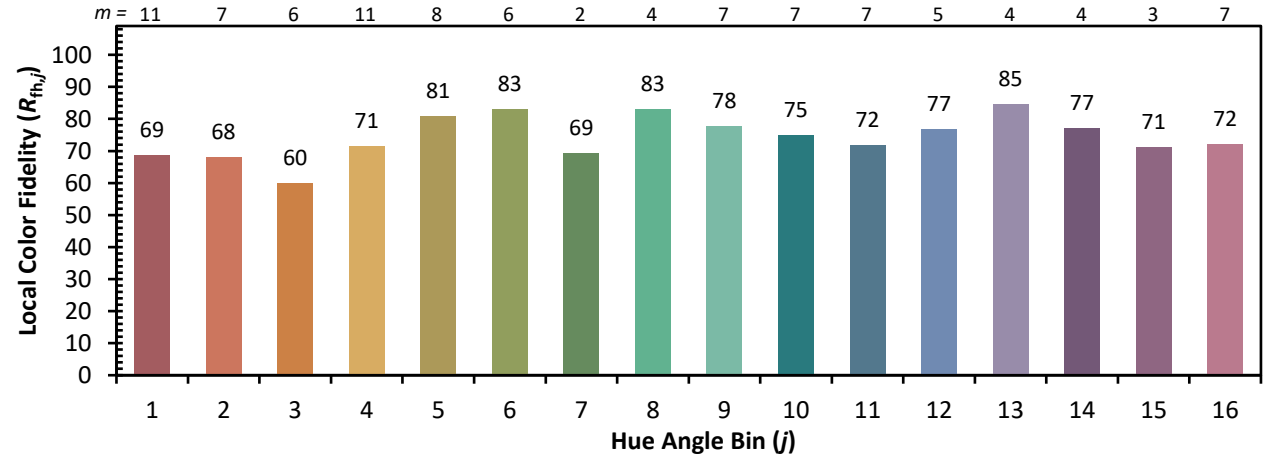
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Color Rendition by Hue-Angle Bin



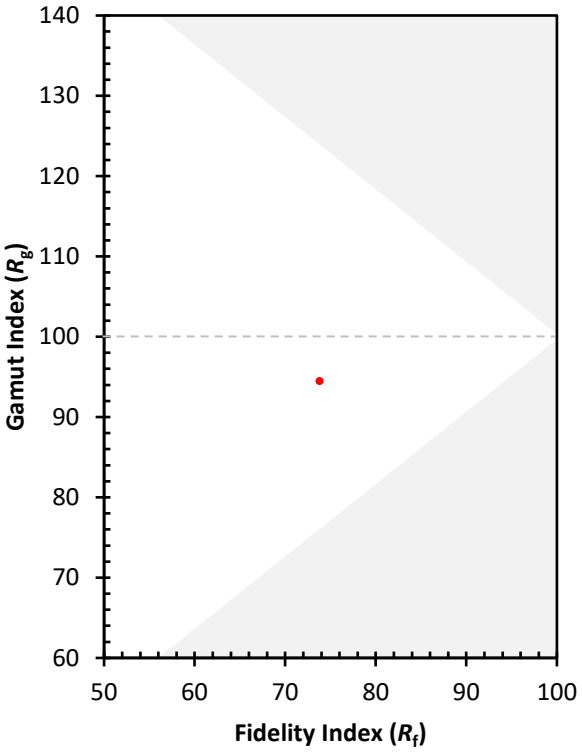


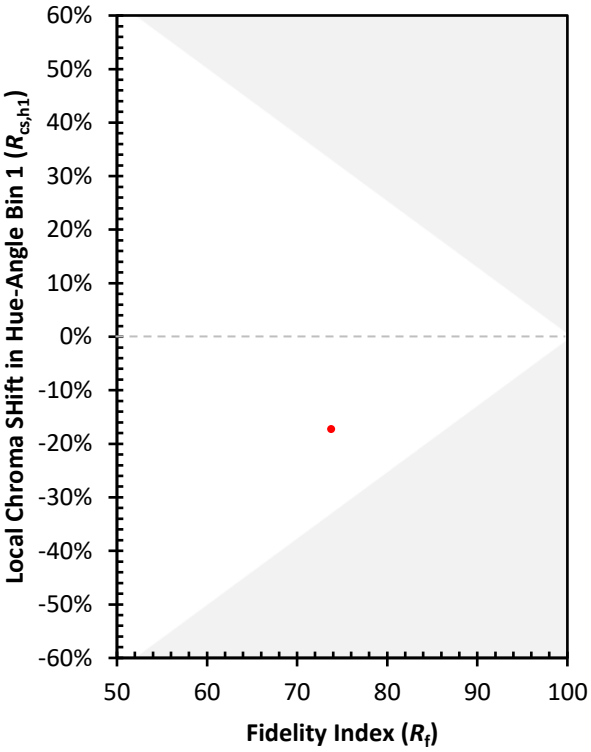


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Measure Comparisons





(END OF REPORT)