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: P1364583

Luminaire Tested: **GSS-SB3A-730-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:	P1364583
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-730-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9465.2 lumens
Efficiency:	N/A
Efficacy:	111.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

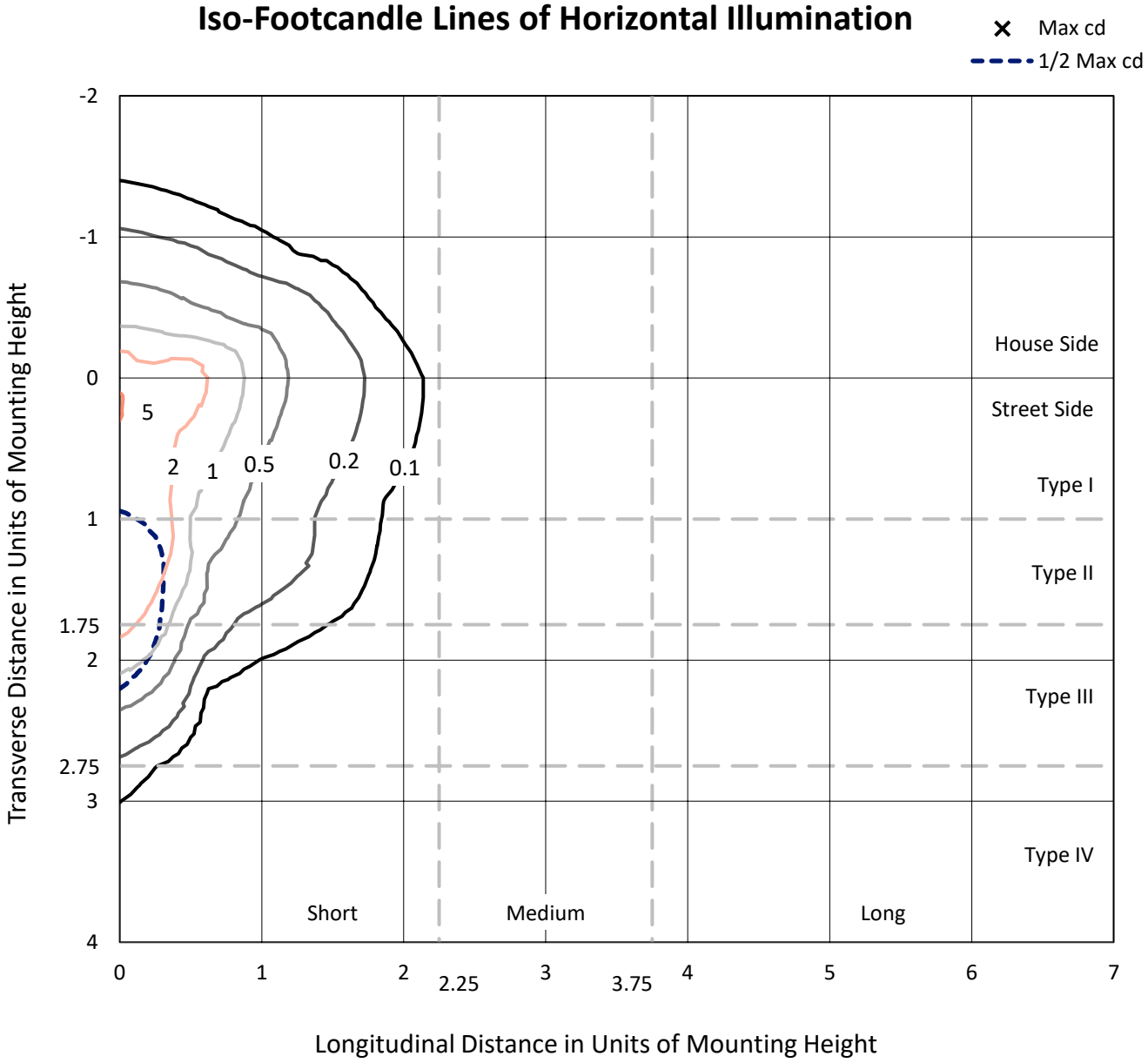
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



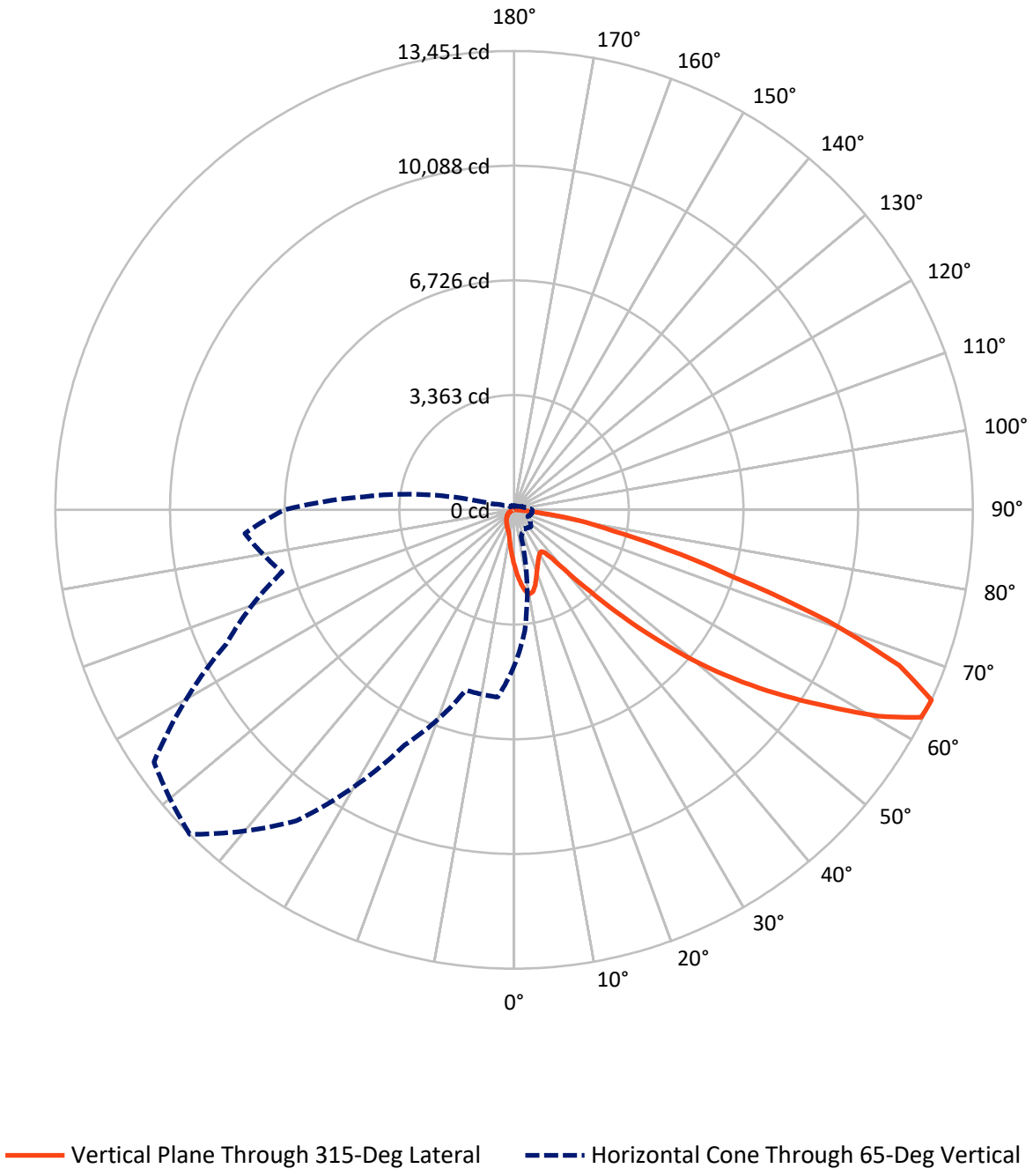
Based on 20 foot mounting height. Maximum calculated value = 5.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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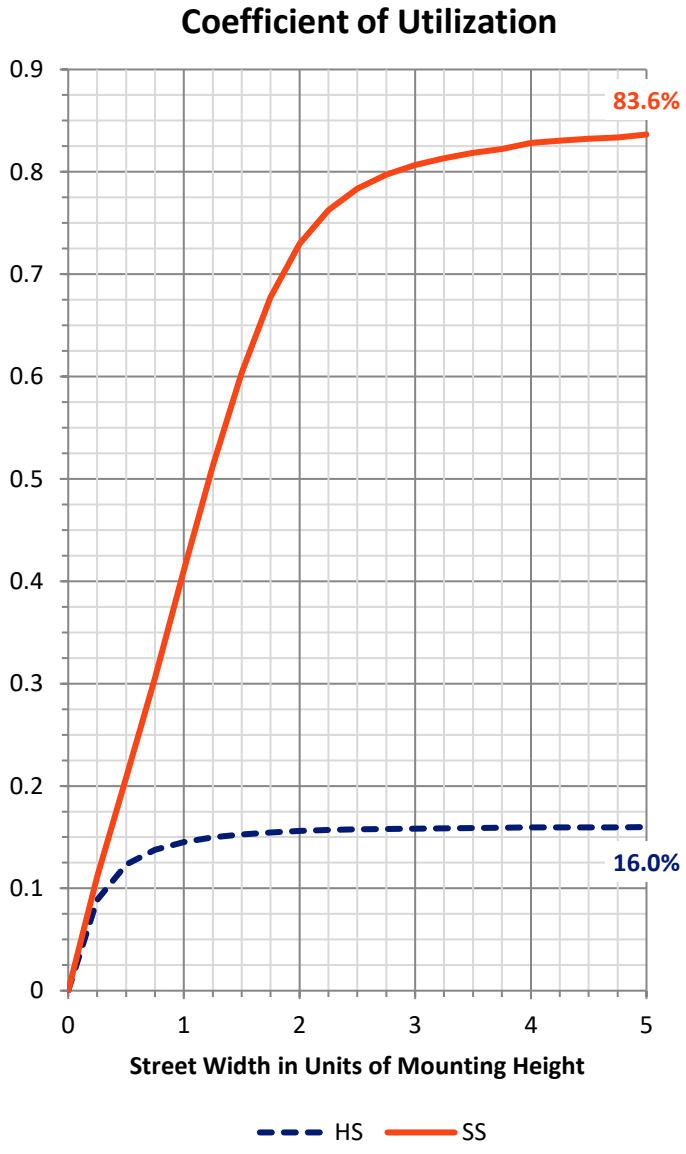
REPORT NUMBER: P1364583
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1530.1	0.0	1530.1
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	7935.1	0.0	7935.1
	% Fixture	83.8	0.0	83.8
Total	Lumens	9465.2	0.0	9465.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.7
10°-20°	434.9	4.6
20°-30°	622.9	6.6
30°-40°	781.3	8.3
40°-50°	1283.5	13.6
50°-60°	2316.1	24.5
60°-70°	2570.4	27.2
70°-80°	1161.3	12.3
80°-90°	137.3	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°	9465.2	100.0
0°-180°	9465.2	100.0



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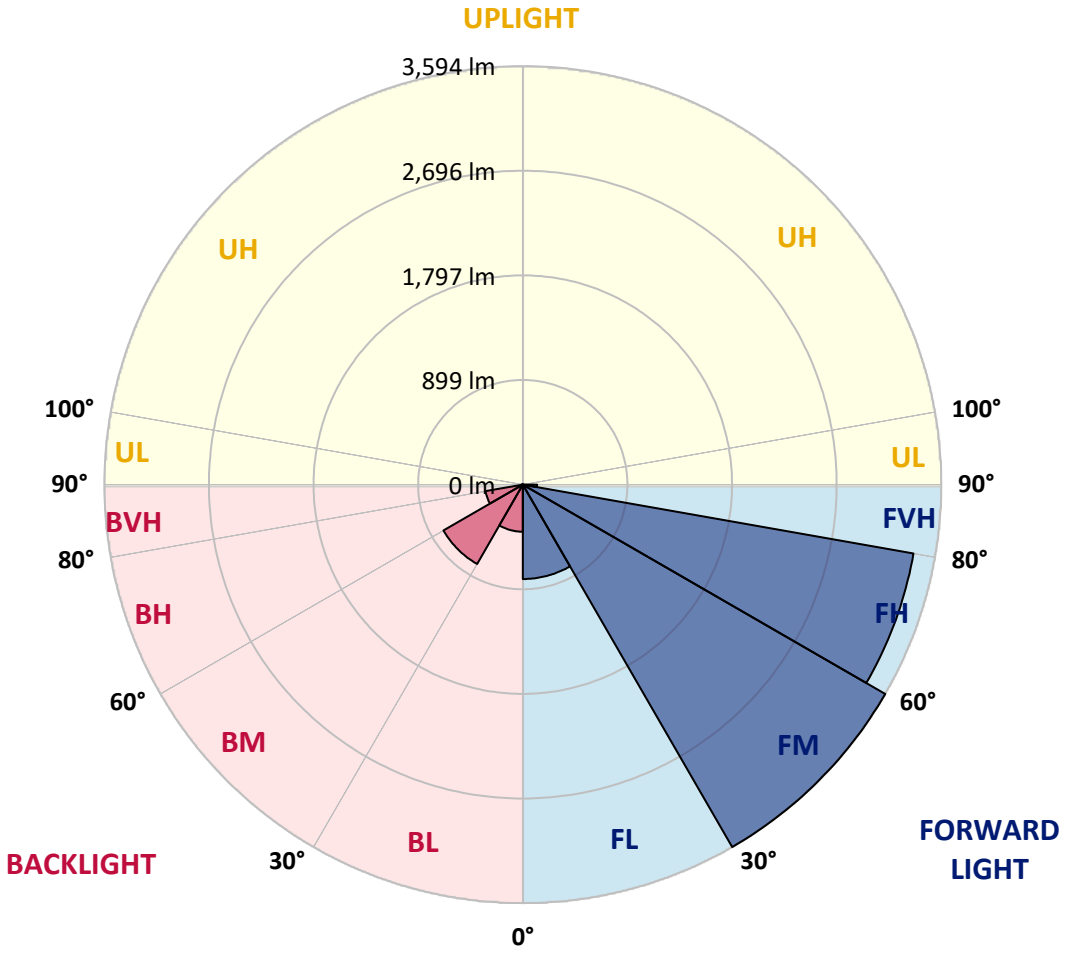
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	810.8	8.6			
FM	(30°-60°)	3594.2	38.0			
FH	(60°-80°)	3406.8	36.0			G2/5000
FVH	(80°-90°)	123.3	1.3			G2/225
BL	(0°-30°)	404.3	4.3	B1/500		
BM	(30°-60°)	786.8	8.3	B1/1000		
BH	(60°-80°)	324.9	3.4	B1/500		G1/500
BVH	(80°-90°)	14.0	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°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1845.6	1843.9	1836.9	1793.3	1749.7	1711.9	1674.1	1636.3	1584.0	1543.3	1508.4
5°	2020.0	2010.7	1973.5	1906.6	1834.0	1770.0	1697.4	1627.6	1549.1	1485.2	1418.3
7.5°	2139.1	2129.8	2092.6	1982.2	1871.8	1793.3	1714.8	1642.1	1555.0	1470.7	1374.8
10°	2194.4	2183.9	2142.1	2022.9	1895.0	1799.1	1720.6	1653.8	1581.1	1496.8	1377.7
12.5°	2232.2	2219.4	2168.2	2031.6	1900.8	1804.9	1723.5	1659.6	1607.3	1557.9	1441.6
15°	2255.4	2243.8	2197.3	2054.9	1903.7	1796.2	1700.3	1639.2	1621.8	1630.5	1575.3
17.5°	2290.3	2279.2	2235.1	2083.9	1921.2	1781.7	1650.9	1584.0	1621.8	1700.3	1717.7
20°	2336.8	2325.2	2278.7	2121.7	1935.7	1738.1	1557.9	1493.9	1589.8	1720.6	1810.7
22.5°	2389.1	2379.8	2342.6	2165.3	1950.2	1674.1	1435.8	1406.7	1523.0	1662.5	1778.7
25°	2453.0	2444.3	2409.4	2226.3	1964.8	1586.9	1331.2	1337.0	1435.8	1546.2	1665.4
27.5°	2540.2	2532.1	2499.5	2301.9	1982.2	1496.8	1246.9	1275.9	1348.6	1424.2	1496.8
30°	2636.1	2629.8	2604.2	2392.0	2017.1	1412.5	1197.5	1214.9	1264.3	1325.3	1368.9
32.5°	2766.9	2756.5	2714.6	2476.3	2014.2	1348.6	1174.2	1156.8	1171.3	1220.7	1264.3
35°	2929.7	2921.6	2889.0	2563.5	1961.9	1290.5	1162.6	1101.5	1092.8	1121.9	1165.5
37.5°	3168.0	3161.1	3133.2	2705.9	1880.5	1217.8	1133.5	1043.4	1014.4	1034.7	1063.8
40°	3525.5	3507.5	3435.4	2868.7	1790.4	1145.1	1081.2	973.7	933.0	947.5	979.5
42.5°	4010.9	3976.6	3839.4	3086.6	1668.3	1075.4	1002.7	903.9	860.3	869.0	898.1
45°	4632.9	4581.1	4374.2	3386.0	1540.4	1020.2	921.3	831.2	784.7	793.5	825.4
47.5°	5359.5	5288.6	5004.9	3699.9	1403.8	988.2	857.4	758.6	723.7	744.1	776.0
50°	6216.9	6145.4	5859.4	3900.5	1293.4	967.8	808.0	691.7	677.2	703.4	729.5
52.5°	7152.8	7051.0	6644.1	3772.6	1203.3	950.4	790.6	645.2	651.0	671.4	697.5
55°	8062.5	7836.4	6931.9	3348.2	1087.0	930.1	802.2	610.4	624.9	651.0	671.4
57.5°	8655.4	8262.5	6690.6	2697.2	964.9	906.8	810.9	592.9	604.5	633.6	656.9
60°	8138.1	7742.8	6161.7	2020.0	860.3	857.4	796.4	587.1	569.7	610.4	630.7
62.5°	6667.4	6341.9	5039.8	1290.5	761.5	764.4	764.4	584.2	511.5	563.9	581.3
65°	*4580.6*	*4377.1*	*3563.3*	*799.3*	*622.0*	*651.0*	*694.6*	*566.8*	*450.5*	*511.5*	*529.0*
67.5°	3011.1	2861.7	2264.1	494.1	479.6	534.8	601.6	531.9	404.0	459.2	470.8
70°	1633.4	1520.1	1066.7	325.5	313.9	418.5	473.8	450.5	363.3	409.8	421.4
72.5°	1078.3	985.3	613.3	229.6	229.6	328.4	331.3	369.1	325.5	363.3	374.9
75°	810.9	727.8	395.3	159.9	177.3	209.3	258.7	264.5	273.2	308.1	322.6
77.5°	372.0	326.7	145.3	95.9	130.8	145.3	197.6	168.6	203.5	229.6	235.4
80°	215.1	188.3	81.4	63.9	84.3	93.0	162.8	98.8	122.1	162.8	171.5
82.5°	90.1	80.2	40.7	43.6	52.3	55.2	90.1	69.8	78.5	107.5	104.6
85°	26.2	26.2	26.2	29.1	32.0	32.0	52.3	49.4	46.5	49.4	49.4
87.5°	17.4	17.4	17.4	17.4	20.3	20.3	23.3	26.2	29.1	29.1	29.1
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°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1493.9	1473.6	1447.4	1409.6	1403.8	1383.5	1368.9	1383.5	1398.0	1424.2	1427.1
5°	1383.5	1351.5	1290.5	1244.0	1191.6	1165.5	1162.6	1156.8	1174.2	1212.0	1235.2
7.5°	1322.4	1270.1	1159.7	1078.3	1005.6	979.5	959.1	976.6	973.7	1023.1	1043.4
10°	1307.9	1226.5	1072.5	950.4	860.3	825.4	805.1	802.2	808.0	837.1	857.4
12.5°	1360.2	1255.6	1037.6	857.4	752.8	715.0	691.7	671.4	671.4	677.2	703.4
15°	1476.5	1351.5	1057.9	813.8	700.5	651.0	613.3	587.1	566.8	569.7	572.6
17.5°	1639.2	1491.0	1110.3	799.3	668.5	616.2	569.7	543.5	520.3	514.4	514.4
20°	1767.1	1624.7	1151.0	787.6	642.3	575.5	534.8	511.5	491.2	482.5	482.5
22.5°	1781.7	1679.9	1185.8	773.1	610.4	534.8	497.0	476.7	462.1	459.2	459.2
25°	1685.7	1636.3	1174.2	755.7	578.4	497.0	467.9	450.5	436.0	433.1	436.0
27.5°	1525.9	1499.7	1133.5	732.4	552.2	467.9	441.8	427.2	412.7	409.8	412.7
30°	1383.5	1354.4	1063.8	694.6	531.9	444.7	415.6	401.1	386.6	386.6	389.5
32.5°	1267.2	1238.1	994.0	651.0	505.7	418.5	392.4	377.8	363.3	363.3	369.1
35°	1162.6	1139.3	938.8	607.4	479.6	395.3	366.2	354.6	343.0	340.1	345.9
37.5°	1072.5	1060.9	889.4	560.9	453.4	372.0	345.9	334.2	319.7	316.8	322.6
40°	985.3	979.5	834.2	520.3	421.4	348.8	322.6	311.0	293.6	293.6	299.4
42.5°	903.9	901.0	784.7	494.1	392.4	325.5	296.5	284.8	270.3	270.3	276.1
45°	840.0	837.1	738.2	479.6	363.3	299.4	273.2	258.7	247.0	250.0	255.8
47.5°	781.8	776.0	688.8	482.5	348.8	281.9	247.0	232.5	223.8	229.6	238.3
50°	735.3	729.5	654.0	485.4	325.5	258.7	226.7	212.2	206.4	215.1	223.8
52.5°	706.3	700.5	619.1	467.9	296.5	241.2	206.4	197.6	197.6	206.4	212.2
55°	677.2	671.4	560.9	430.2	264.5	223.8	191.8	186.0	186.0	194.7	200.5
57.5°	659.8	648.1	499.9	386.6	238.3	203.5	177.3	177.3	177.3	180.2	183.1
60°	633.6	604.5	436.0	331.3	218.0	183.1	165.7	162.8	162.8	159.9	162.8
62.5°	578.4	529.0	366.2	281.9	194.7	165.7	151.1	148.2	139.5	130.8	133.7
65°	*523.2*	*447.6*	*290.6*	*235.4*	*168.6*	*142.4*	*133.7*	*130.8*	*116.3*	*104.6*	*107.5*
67.5°	453.4	357.5	218.0	197.6	145.3	122.1	113.4	113.4	104.6	95.9	95.9
70°	404.0	279.0	183.1	148.2	116.3	95.9	95.9	101.7	93.0	81.4	81.4
72.5°	357.5	226.7	148.2	119.2	90.1	75.6	81.4	84.3	75.6	66.8	66.8
75°	305.2	177.3	116.3	93.0	66.8	58.1	61.0	66.8	61.0	52.3	55.2
77.5°	220.9	122.1	78.5	61.0	49.4	43.6	46.5	46.5	43.6	40.7	40.7
80°	154.0	81.4	52.3	40.7	34.9	32.0	32.0	29.1	29.1	32.0	32.0
82.5°	93.0	58.1	37.8	32.0	26.2	20.3	20.3	23.3	23.3	26.2	26.2
85°	40.7	34.9	26.2	23.3	17.4	14.5	17.4	17.4	20.3	23.3	23.3
87.5°	26.2	26.2	20.3	17.4	14.5	11.6	11.6	14.5	14.5	17.4	20.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1438.7	1467.8	1502.6	1552.0	1595.6	1648.0	1700.3	1749.7	1796.2	1802.0	1822.3
5°	1252.7	1307.9	1377.7	1459.0	1557.9	1662.5	1764.2	1871.8	1958.9	1990.9	2037.4
7.5°	1060.9	1130.6	1232.3	1357.3	1496.8	1653.8	1810.7	1961.9	2092.6	2153.7	2214.7
10°	877.7	944.6	1069.6	1220.7	1400.9	1613.1	1822.3	2025.8	2185.6	2255.4	2313.5
12.5°	712.1	778.9	880.7	1055.0	1273.0	1528.8	1804.9	2049.0	2226.3	2299.0	2354.2
15°	581.3	636.5	732.4	895.2	1124.8	1412.5	1743.9	2031.6	2235.1	2304.8	2345.5
17.5°	511.5	526.1	587.1	735.3	985.3	1307.9	1665.4	2008.4	2240.9	2304.8	2328.1
20°	482.5	482.5	494.1	572.6	816.7	1197.5	1607.3	1993.8	2249.6	2313.5	2310.6
22.5°	456.3	462.1	462.1	479.6	622.0	1043.4	1546.2	1988.0	2275.7	2325.2	2284.5
25°	433.1	441.8	441.8	447.6	488.3	860.3	1470.7	1999.6	2322.3	2348.4	2267.0
27.5°	412.7	421.4	421.4	427.2	436.0	639.4	1345.7	2002.5	2374.6	2377.5	2243.8
30°	392.4	401.1	406.9	406.9	412.7	470.8	1188.7	1985.1	2432.7	2415.3	2240.9
32.5°	369.1	380.7	383.7	389.5	392.4	409.8	985.3	1956.0	2505.4	2467.6	2243.8
35°	348.8	363.3	366.2	366.2	372.0	389.5	787.6	1924.1	2604.2	2537.3	2255.4
37.5°	328.4	340.1	343.0	345.9	351.7	369.1	624.9	1877.6	2688.5	2624.5	2313.5
40°	305.2	319.7	322.6	325.5	331.3	348.8	537.7	1819.4	2816.3	2769.8	2400.7
42.5°	281.9	296.5	302.3	305.2	308.1	331.3	491.2	1778.7	3022.7	2973.3	2578.0
45°	261.6	276.1	281.9	281.9	287.7	319.7	450.5	1868.8	3307.5	3284.3	2816.3
47.5°	244.1	258.7	261.6	261.6	264.5	302.3	415.6	2110.1	3743.5	3682.5	3188.4
50°	229.6	241.2	247.0	241.2	244.1	287.7	436.0	2508.3	4301.5	4321.9	3734.8
52.5°	218.0	229.6	232.5	220.9	220.9	267.4	462.1	2833.8	5013.6	5199.6	4600.9
55°	203.5	215.1	218.0	203.5	203.5	235.4	401.1	2854.1	5824.5	6423.3	5728.6
57.5°	188.9	200.5	200.5	188.9	186.0	203.5	325.5	2531.5	6452.3	7809.6	7271.9
60°	171.5	183.1	180.2	174.4	168.6	186.0	299.4	1929.9	6368.0	8713.5	9042.0
62.5°	139.5	156.9	162.8	159.9	148.2	168.6	279.0	1258.5	5510.6	7928.8	8986.7
65°	*116.3*	*130.8*	*139.5*	*139.5*	*130.8*	*186.0*	*244.1*	*662.7*	*4412.0*	*6728.4*	*7923.0*
67.5°	101.7	116.3	122.1	119.2	113.4	165.7	154.0	319.7	3383.1	5798.4	7091.7
70°	90.1	101.7	107.5	98.8	93.0	133.7	110.4	188.9	2264.1	4839.2	6315.7
72.5°	72.7	84.3	90.1	81.4	72.7	98.8	84.3	125.0	1473.6	4124.3	5612.4
75°	58.1	69.8	72.7	66.8	58.1	72.7	66.8	87.2	962.0	3412.2	4772.4
77.5°	43.6	49.4	55.2	52.3	43.6	52.3	46.5	61.0	549.3	2394.9	3348.2
80°	34.9	37.8	37.8	37.8	34.9	32.0	32.0	40.7	247.0	1180.0	1746.8
82.5°	29.1	32.0	32.0	29.1	26.2	23.3	20.3	23.3	72.7	529.0	805.1
85°	26.2	29.1	23.3	20.3	17.4	14.5	8.7	8.7	20.3	84.3	156.9
87.5°	20.3	17.4	14.5	11.6	5.8	2.9	2.9	0.0	2.9	2.9	2.9
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: P1364583
CATALOG NUMBER: GSS-SB3A-730-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1636.3	1636.3	1636.3	*1636.3*	1636.3	1636.3	1636.3	1636.3	1636.3	1636.3
2.5°	1854.3	1883.4	1903.7	*1921.2*	1915.3	1900.8	1871.8	1851.4	1846.8	1845.6
5°	2098.5	2145.0	2185.6	*2179.8*	2185.6	2142.1	2098.5	2046.1	2025.2	2020.0
7.5°	2301.9	2360.0	2409.4	*2403.6*	2386.2	2336.8	2264.1	2185.6	2148.4	2139.1
10°	2412.4	2479.2	2519.9	*2505.4*	2476.3	2412.4	2339.7	2246.7	2204.8	2194.4
12.5°	2432.7	2476.3	2467.6	*2461.8*	2455.9	2424.0	2368.8	2284.5	2242.6	2232.2
15°	2380.4	2362.9	2313.5	*2301.9*	2345.5	2386.2	2374.6	2304.8	2265.3	2255.4
17.5°	2293.2	2203.1	2113.0	*2101.4*	2174.0	2287.4	2377.5	2336.8	2299.6	2290.3
20°	2197.3	2028.7	1929.9	*1909.5*	1999.6	2168.2	2345.5	2368.8	2343.2	2336.8
22.5°	2083.9	1886.3	1781.7	*1770.0*	1836.9	2034.5	2299.0	2403.6	2392.0	2389.1
25°	1985.1	1761.3	1662.5	*1645.0*	1732.2	1924.1	2252.5	2461.8	2454.8	2453.0
27.5°	1903.7	1671.2	1566.6	*1555.0*	1639.2	1831.1	2194.4	2511.2	2534.4	2540.2
30°	1839.8	1604.4	1499.7	*1485.2*	1578.2	1767.1	2153.7	2580.9	2625.1	2636.1
32.5°	1790.4	1566.6	1467.8	*1459.0*	1557.9	1741.0	2130.4	2653.6	2744.3	2766.9
35°	1772.9	1578.2	1511.4	*1531.7*	1607.3	1767.1	2147.9	2772.8	2898.3	2929.7
37.5°	1810.7	1706.1	1752.6	*1804.9*	1834.0	1892.1	2229.2	2964.6	3127.3	3168.0
40°	1932.8	2049.0	2267.0	*2368.8*	2357.1	2223.4	2415.3	3234.9	3467.4	3525.5
42.5°	2243.8	2621.6	3083.7	*3255.2*	3156.4	2752.4	2711.7	3679.6	3944.6	4010.9
45°	2705.9	3313.4	4071.9	*4458.5*	4118.4	3423.8	3179.7	4313.2	4568.9	4632.9
47.5°	3168.0	4086.5	5292.6	*5751.9*	5083.4	4089.4	3792.9	5071.8	5301.9	5359.5
50°	3638.9	4941.0	6510.4	*7123.7*	6045.4	4766.6	4444.0	6007.6	6175.0	6216.9
52.5°	4124.3	5705.4	7853.2	*8382.2*	7051.0	5289.7	5188.0	7027.8	7127.8	7152.8
55°	4664.9	6429.1	9198.9	*9626.2*	7966.6	5746.0	6059.9	8094.5	8068.9	8062.5
57.5°	5385.6	7190.6	10283.0	*10878.8*	8797.8	6362.2	7225.4	9280.3	8780.4	8655.4
60°	6644.1	8373.5	11631.6	*12279.7*	9911.0	7263.2	8082.8	9254.1	8361.3	8138.1
62.5°	8103.2	9512.8	12852.3	*13398.7*	11082.3	8158.4	7399.8	7771.8	6888.3	6667.4
65°	*7039.4*	*9312.3*	*12890.1*	*13451.0*	*11125.9*	*7612.0*	*5469.9*	*5510.6*	*4766.6*	*4580.6*
67.5°	5990.2	8254.3	11739.1	*12180.9*	9925.5	6292.5	3627.2	3595.3	3127.9	3011.1
70°	5333.3	7231.2	10117.3	*9736.6*	8344.4	5318.8	2409.4	1996.7	1706.1	1633.4
72.5°	4792.7	5737.3	8199.1	*6711.0*	6923.2	4327.7	1531.7	1360.2	1134.7	1078.3
75°	4339.3	4746.2	5115.3	*4638.7*	4917.7	3566.2	1299.2	1049.2	858.6	810.9
77.5°	3452.9	3694.1	3028.5	*2941.3*	3444.1	2537.3	645.2	441.8	386.0	372.0
80°	2054.9	1746.8	1717.7	*1958.9*	2293.2	1316.6	395.3	244.1	220.9	215.1
82.5°	1244.0	630.7	685.9	*866.1*	1220.7	598.7	235.4	104.6	93.0	90.1
85°	209.3	171.5	264.5	*252.9*	238.3	127.9	63.9	29.1	26.7	26.2
87.5°	5.8	8.7	11.6	*14.5*	14.5	14.5	14.5	14.5	16.9	17.4
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: SP1-2407-184-4

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

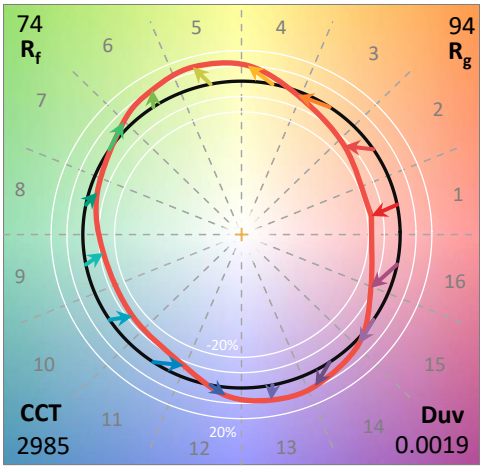
Test Information

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

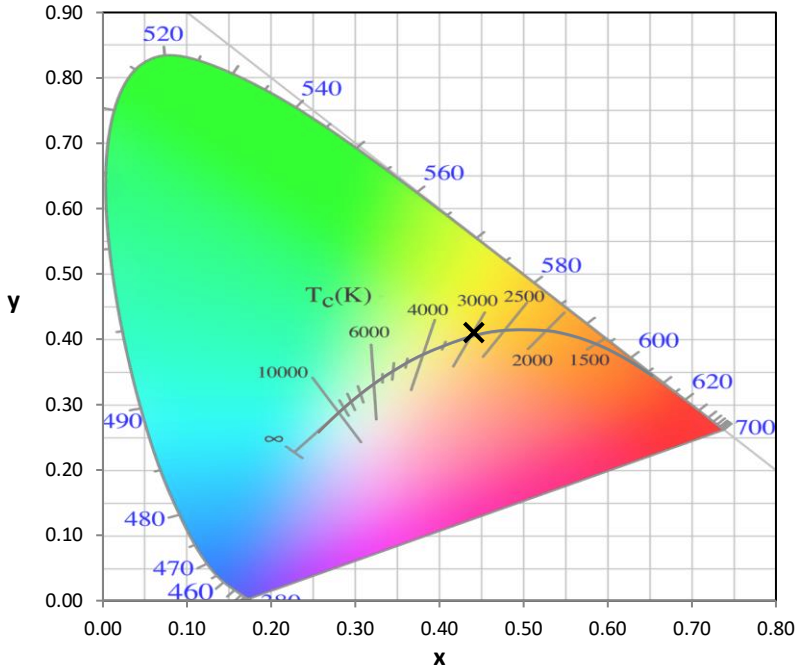
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

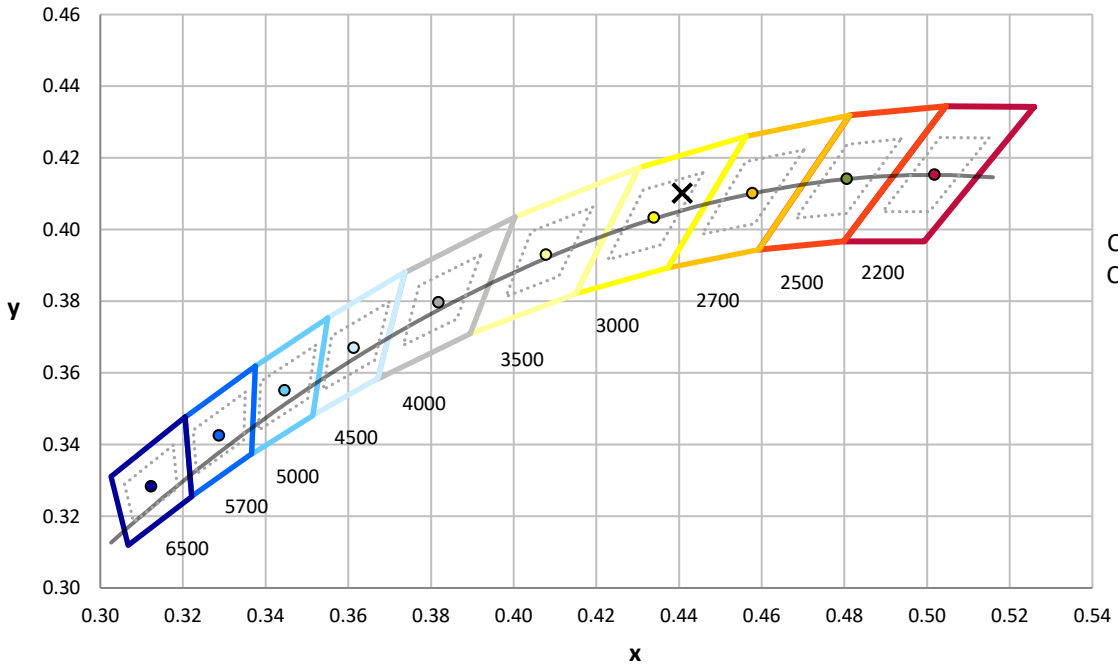
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



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

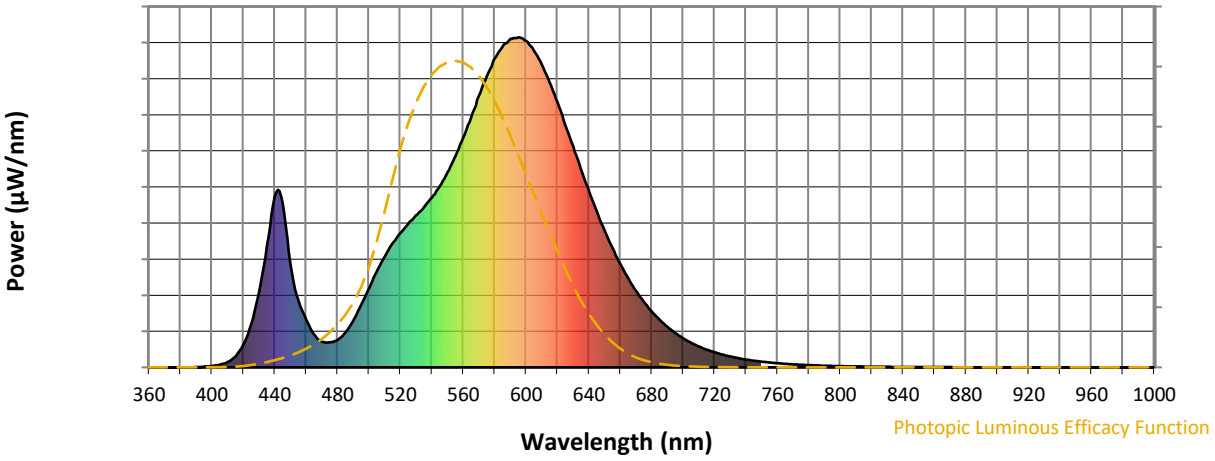


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

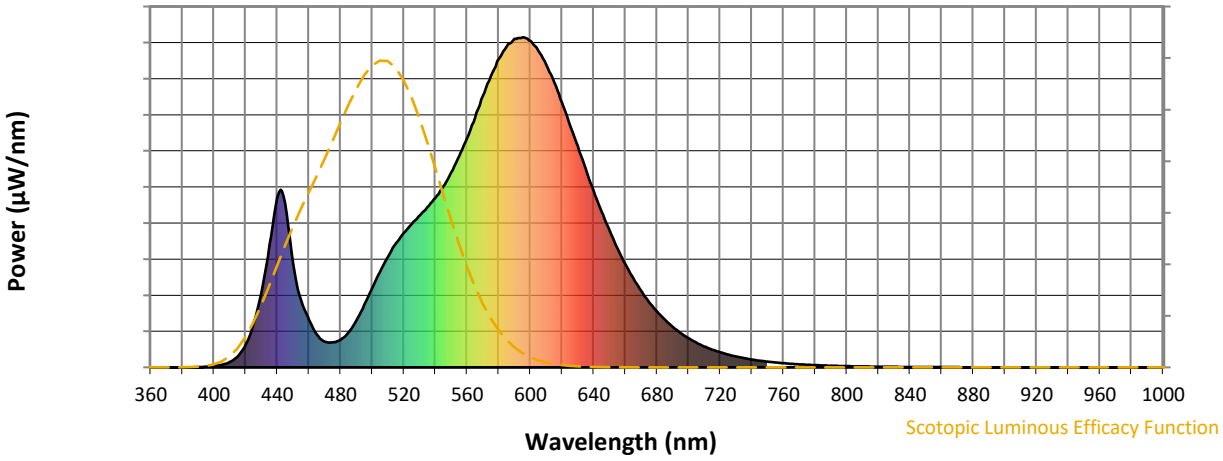


Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength

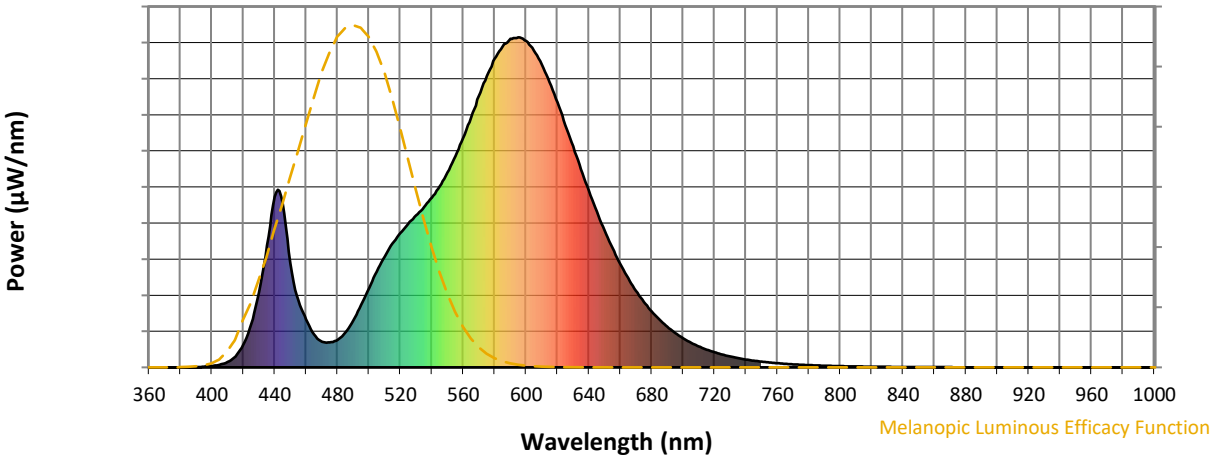


Scotopic Lumens: NR **S/P: 1.19**

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			

REPORT NUMBER: SP1-2407-184-4

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			

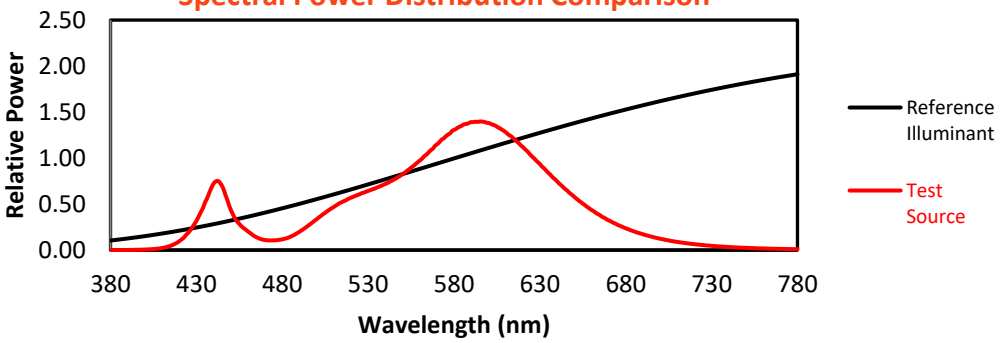
REPORT NUMBER: SP1-2407-184-4

TM-30-18

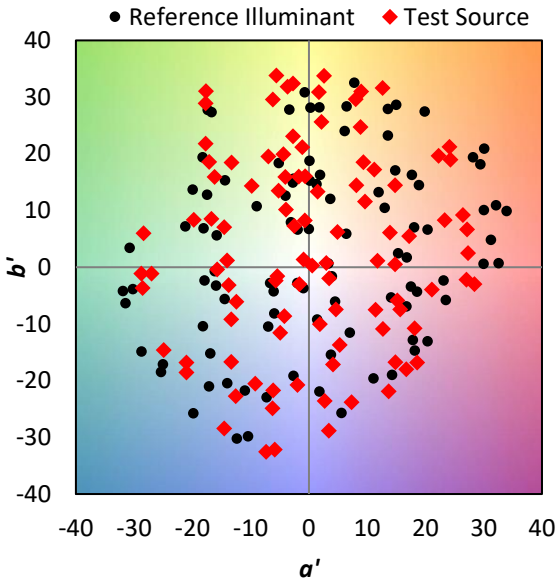
Summary

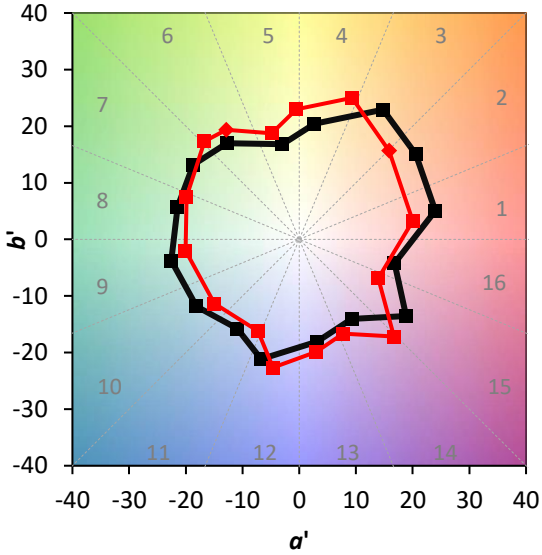
R_f = 73.8
R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

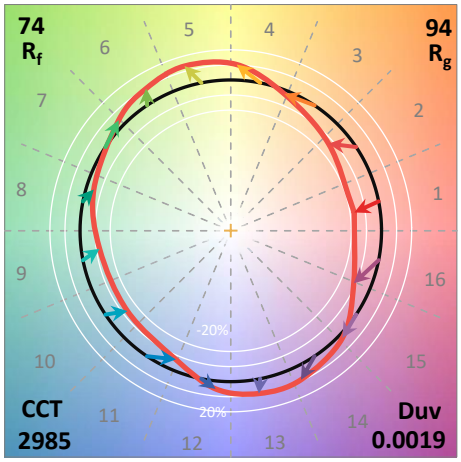
Spectral Power Distribution Comparison

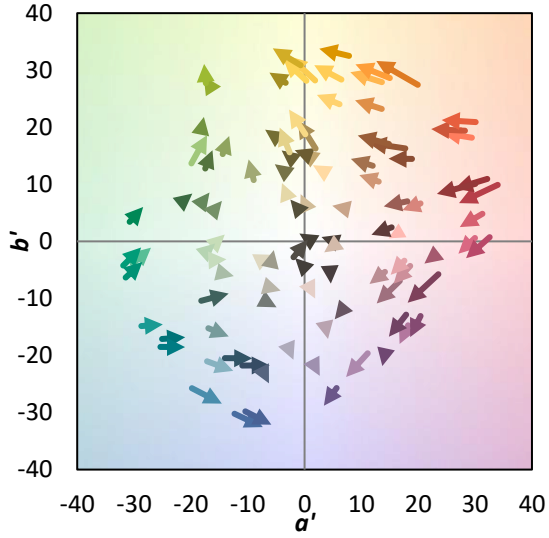


Color Vector Graphics







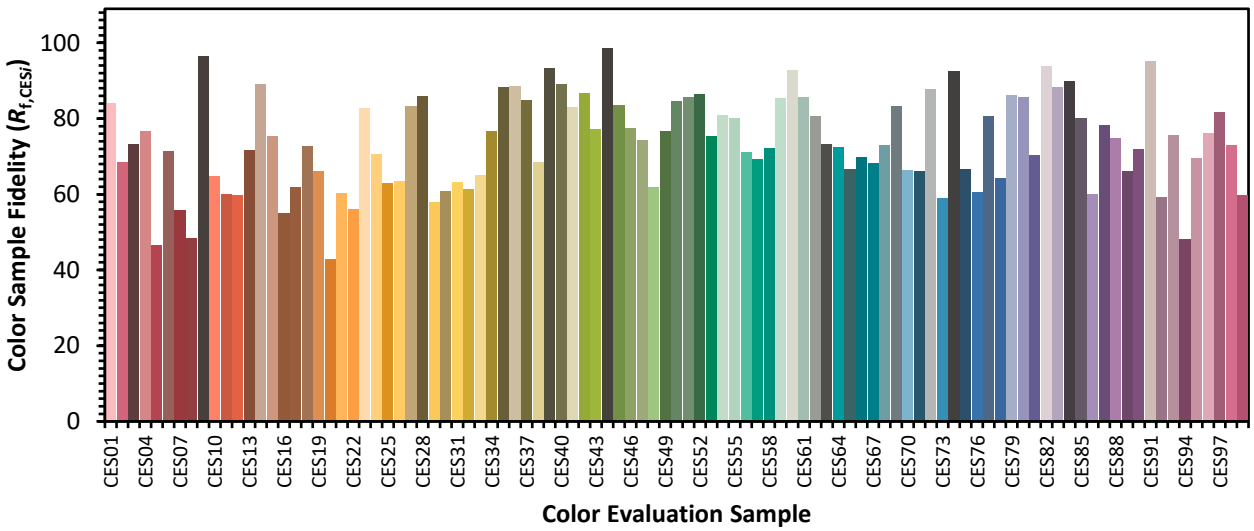


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

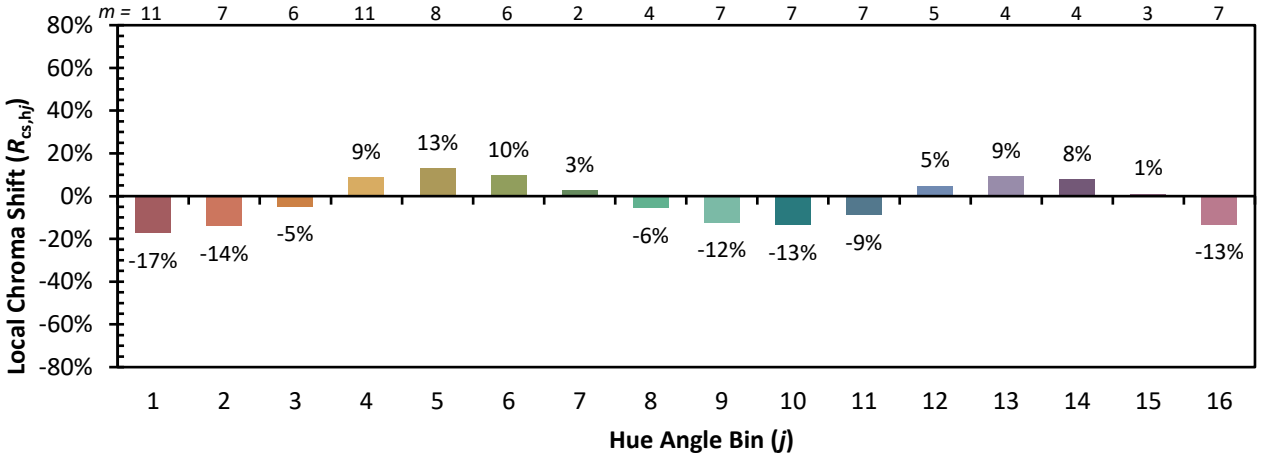
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CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 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
CES25 = 73	CES50 = 85	CES75 = 67	

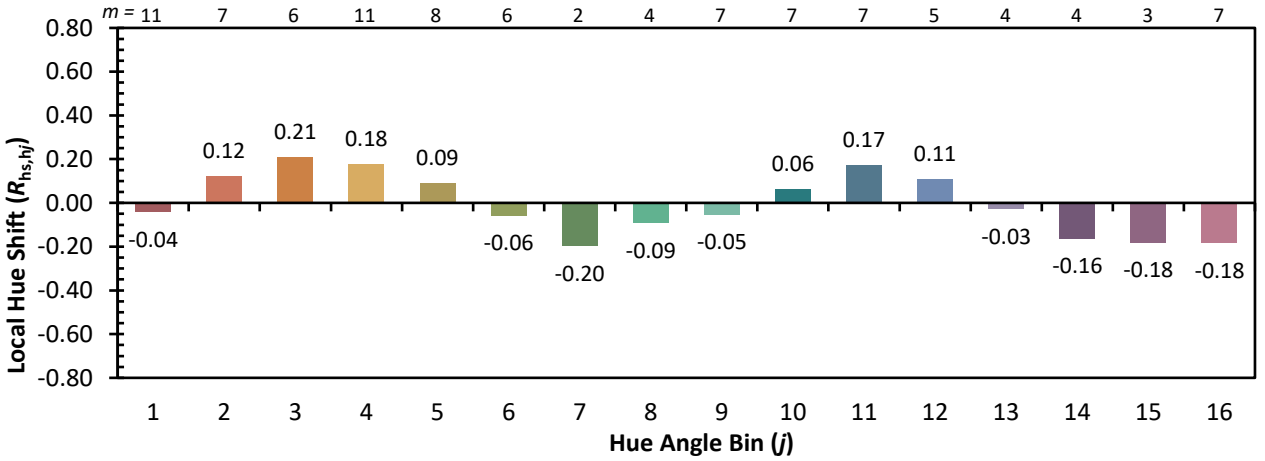


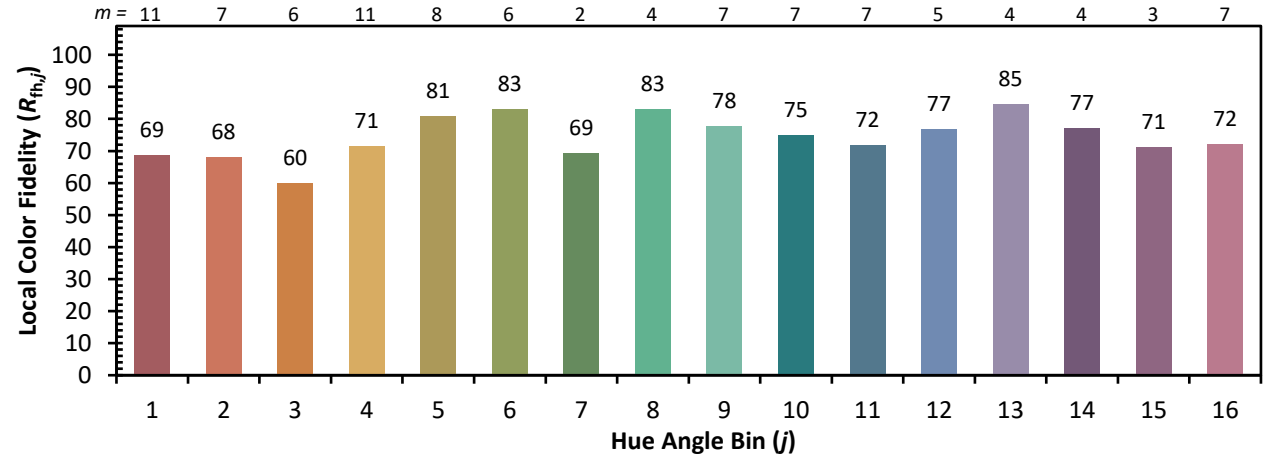
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Color Rendition by Hue-Angle Bin



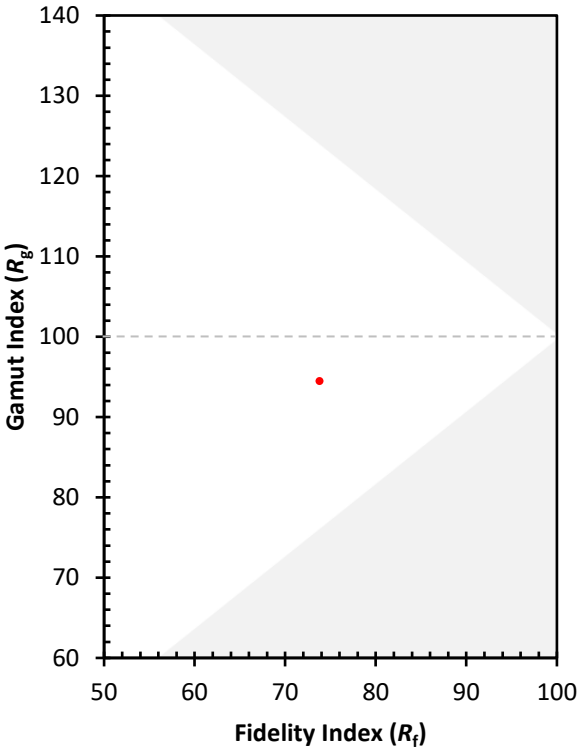


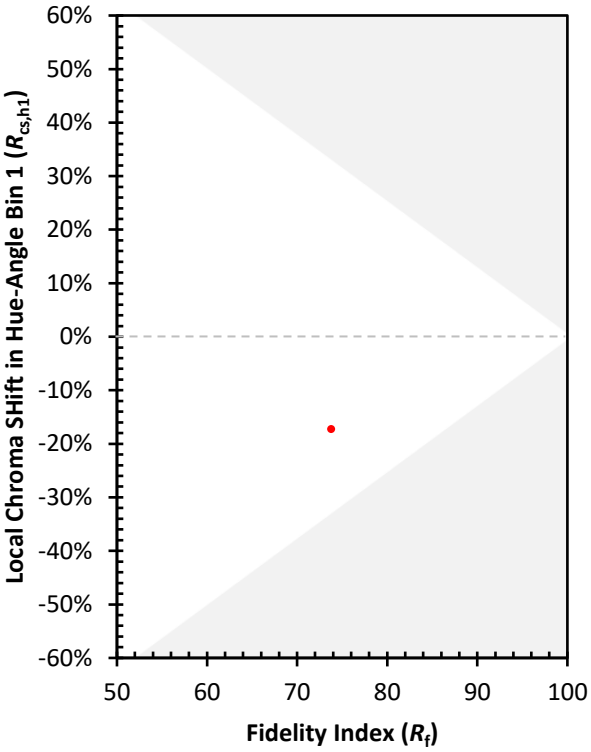


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Measure Comparisons





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