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: P1365349

Luminaire Tested: **GSS-SB2C-730-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365349
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2C-730-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 102W 70CRI 3000K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 3000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10446 lumens
Efficiency:	N/A
Efficacy:	102.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

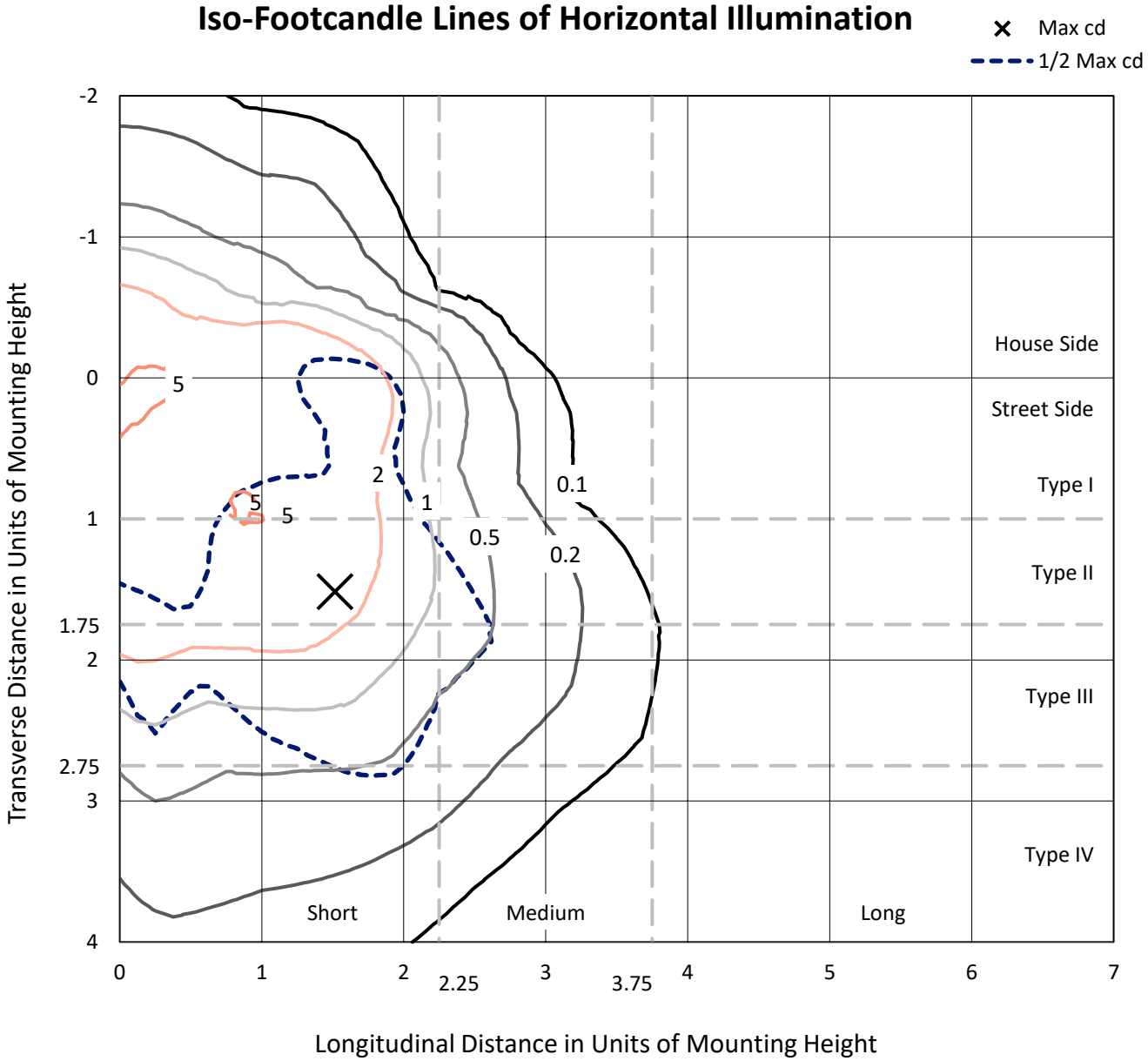
Input Watts (W):	102
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.5%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



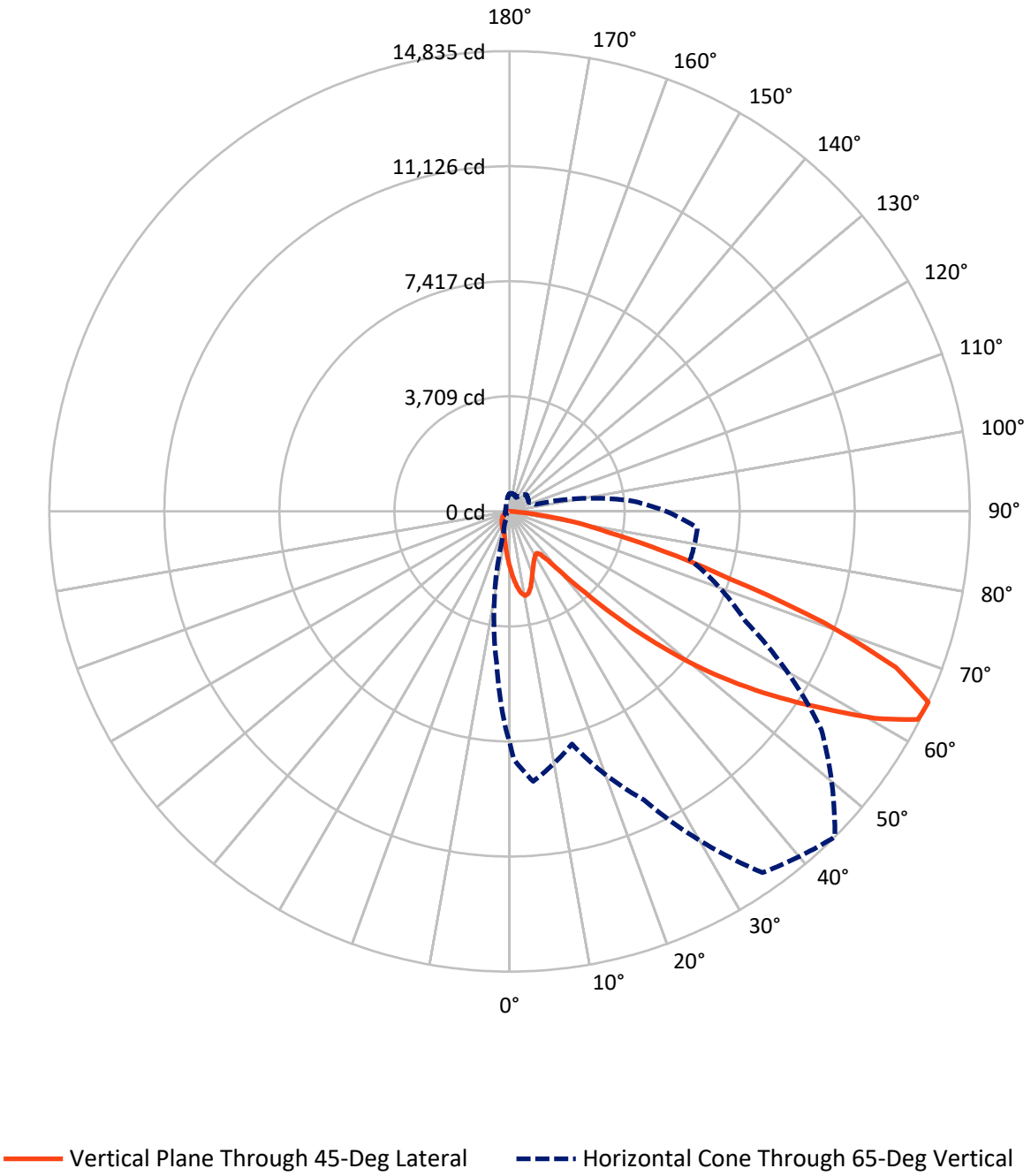
Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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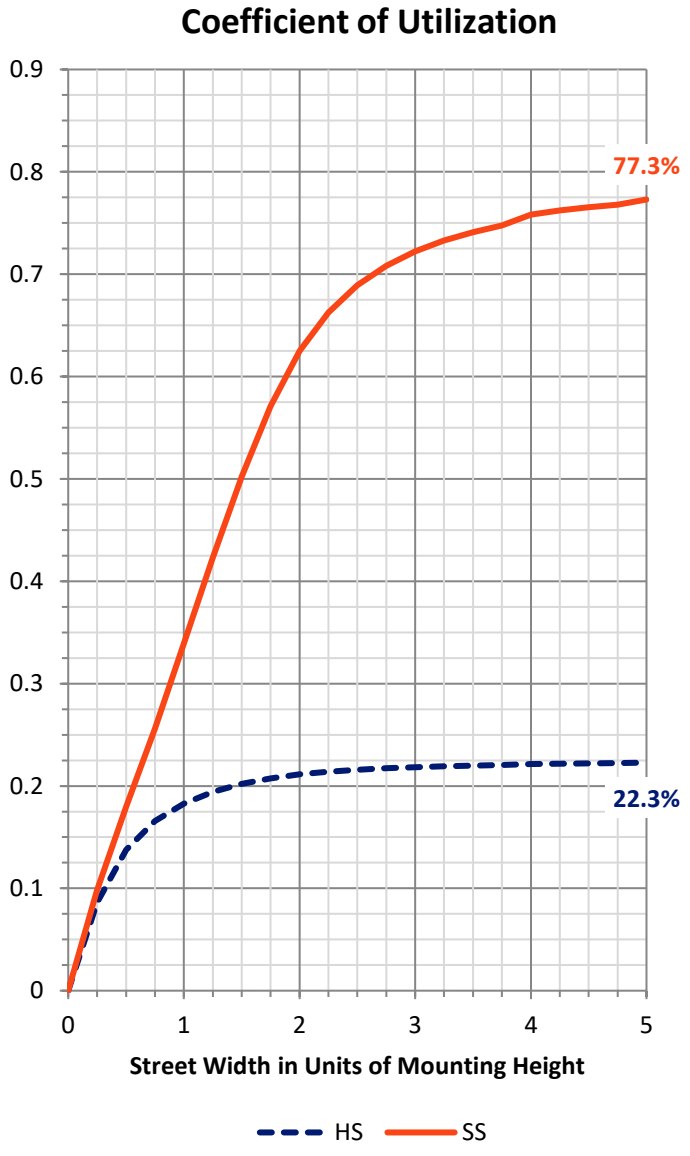
REPORT NUMBER: P1365349
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.8	0.0	2349.8
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	8096.2	0.0	8096.2
	% Fixture	77.5	0.0	77.5
Total	Lumens	10446.0	0.0	10446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.4	1.7
10°-20°	479.7	4.6
20°-30°	687.1	6.6
30°-40°	861.8	8.3
40°-50°	1415.7	13.6
50°-60°	2556.1	24.5
60°-70°	2837.7	27.2
70°-80°	1282.7	12.3
80°-90°	151.8	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°	10446.0	100.0
0°-180°	10446.0	100.0



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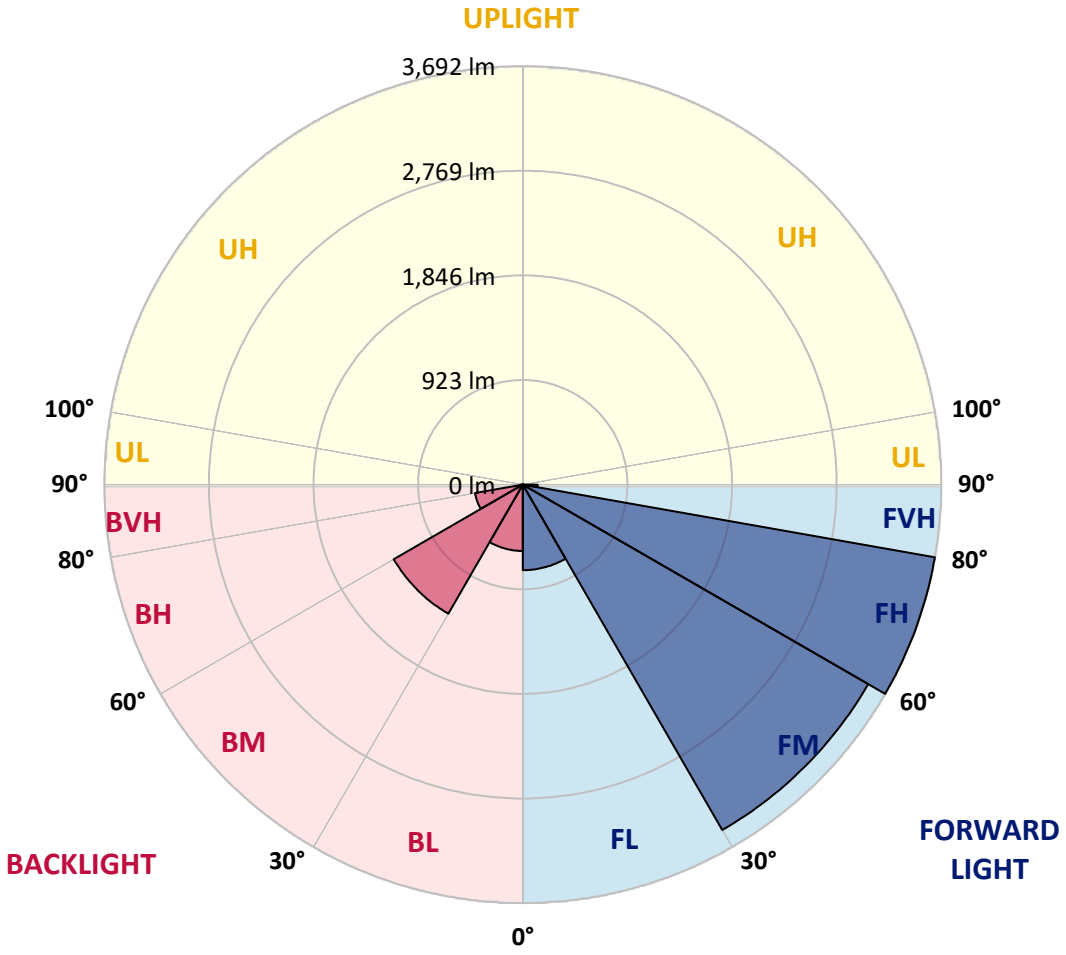
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	754.6	7.2			
FM	(30°-60°)	3518.9	33.7			
FH	(60°-80°)	3692.3	35.3			G2/5000
FVH	(80°-90°)	130.3	1.2			G2/225
BL	(0°-30°)	585.6	5.6	B2/1000		
BM	(30°-60°)	1314.8	12.6	B2/2500		
BH	(60°-80°)	428.0	4.1	B1/500		G1/500
BVH	(80°-90°)	21.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1987.4	2013.0	2009.8	2045.1	2077.1	2099.6	2118.8	2112.4	2096.4	2064.3	2041.9
5°	2195.7	2215.0	2247.0	2314.3	2365.6	2410.5	2404.1	2410.5	2362.4	2314.3	2256.6
7.5°	2375.2	2397.7	2442.6	2538.7	2602.8	2657.3	2650.9	2631.7	2577.2	2497.0	2410.5
10°	2487.4	2503.5	2551.5	2660.5	2734.3	2779.1	2763.1	2731.0	2660.5	2580.4	2477.8
12.5°	2535.5	2554.7	2596.4	2683.0	2731.0	2721.4	2715.0	2708.6	2673.3	2612.4	2519.5
15°	2541.9	2554.7	2586.8	2625.3	2606.0	2551.5	2538.7	2586.8	2631.7	2618.9	2541.9
17.5°	2541.9	2561.2	2567.6	2529.1	2429.7	2330.4	2317.5	2397.7	2522.7	2622.1	2577.2
20°	2551.5	2561.2	2548.3	2423.3	2237.4	2128.4	2106.0	2205.4	2391.3	2586.8	2612.4
22.5°	2564.4	2574.0	2519.5	2298.3	2080.3	1964.9	1952.1	2025.8	2243.8	2535.5	2650.9
25°	2590.0	2583.6	2500.3	2189.3	1942.5	1833.5	1814.3	1910.5	2122.0	2484.2	2715.0
27.5°	2622.1	2593.2	2474.6	2099.6	1843.1	1727.7	1714.9	1807.9	2019.4	2420.1	2769.5
30°	2663.7	2634.9	2471.4	2029.1	1769.4	1654.0	1638.0	1740.6	1948.9	2375.2	2846.4
32.5°	2721.4	2679.8	2474.6	1974.6	1727.7	1618.8	1609.1	1718.1	1920.1	2349.6	2926.6
35°	2798.4	2737.5	2487.4	1955.3	1740.6	1666.8	1689.3	1772.6	1948.9	2368.8	3058.0
37.5°	2894.5	2836.8	2551.5	1997.0	1881.6	1932.9	1990.6	2022.6	2086.8	2458.6	3269.6
40°	3054.8	2974.7	2647.7	2131.6	2259.8	2500.3	2612.4	2599.6	2452.2	2663.7	3567.7
42.5°	3279.2	3205.5	2843.2	2474.6	2891.3	3401.0	3590.1	3481.1	3035.6	2990.7	4058.1
45°	3622.2	3500.4	3106.1	2984.3	3654.2	4490.8	4917.2	4542.1	3776.0	3506.8	4756.9
47.5°	4061.3	3939.5	3516.4	3493.9	4506.9	5837.1	6343.6	5606.3	4510.1	4183.1	5593.5
50°	4766.5	4631.9	4119.0	4013.2	5449.3	7180.2	7856.6	6667.3	5256.9	4901.1	6625.7
52.5°	5734.6	5644.8	5074.2	4548.5	6292.3	8661.1	9244.5	7776.4	5833.9	5721.7	7750.8
55°	7084.1	6997.5	6317.9	5144.8	7090.5	10145.3	10616.5	8786.1	6337.2	6683.4	8927.2
57.5°	8613.1	8757.3	8020.0	5939.7	7930.3	11340.9	11998.0	9702.9	7016.7	7968.8	10235.0
60°	9609.9	10065.1	9972.2	7327.7	9234.9	12828.2	13543.0	10930.6	8010.4	8914.4	10206.2
62.5°	8744.5	9199.7	9911.3	8936.8	10491.4	14174.5	14777.1	12222.4	8997.7	8161.1	8571.4
65°	7420.6	7988.0	8738.1	7763.6	10270.3	14216.2	14834.8	12270.5	8395.1	6032.7	6077.5
67.5°	6394.9	6898.1	7821.3	6606.4	9103.5	12946.8	13434.1	10946.6	6939.8	4000.4	3965.1
70°	5337.1	5798.7	6965.4	5882.0	7975.2	11158.2	10738.3	9202.9	5866.0	2657.3	2202.1
72.5°	4548.5	4974.9	6189.7	5285.8	6327.6	9042.6	7401.4	7635.4	4772.9	1689.3	1500.2
75°	3763.2	4154.3	5263.4	4785.7	5234.5	5641.6	5115.9	5423.6	3933.1	1432.8	1157.2
77.5°	2641.3	2884.9	3692.7	3808.1	4074.1	3340.1	3243.9	3798.5	2798.4	711.6	487.2
80°	1301.4	1452.1	1926.5	2266.3	1926.5	1894.4	2160.5	2529.1	1452.1	435.9	269.3
82.5°	583.4	692.4	887.9	1371.9	695.6	756.5	955.2	1346.3	660.3	259.6	115.4
85°	93.0	102.6	173.1	230.8	189.1	291.7	278.9	262.8	141.0	70.5	32.1
87.5°	3.2	3.2	3.2	6.4	9.6	12.8	16.0	16.0	16.0	16.0	16.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	2035.5	2025.8	1977.8	1929.7	1888.0	1846.3	1804.7	1747.0	1702.1	1663.6	1647.6
5°	2227.8	2176.5	2102.8	2022.6	1952.1	1872.0	1795.1	1708.5	1638.0	1564.3	1525.8
7.5°	2359.2	2307.9	2186.1	2064.3	1977.8	1891.2	1811.1	1714.9	1622.0	1516.2	1458.5
10°	2420.1	2362.4	2231.0	2090.0	1984.2	1897.6	1823.9	1743.8	1650.8	1519.4	1442.5
12.5°	2461.8	2391.3	2240.6	2096.4	1990.6	1900.8	1830.3	1772.6	1718.1	1589.9	1500.2
15°	2487.4	2423.3	2266.3	2099.6	1981.0	1875.2	1807.9	1788.6	1798.3	1737.4	1628.4
17.5°	2525.9	2465.0	2298.3	2118.8	1964.9	1820.7	1747.0	1788.6	1875.2	1894.4	1807.9
20°	2577.2	2513.1	2340.0	2134.8	1916.9	1718.1	1647.6	1753.4	1897.6	1997.0	1948.9
22.5°	2634.9	2583.6	2388.1	2150.9	1846.3	1583.5	1551.4	1679.7	1833.5	1961.7	1964.9
25°	2705.4	2657.3	2455.4	2166.9	1750.2	1468.1	1474.5	1583.5	1705.3	1836.7	1859.2
27.5°	2801.6	2756.7	2538.7	2186.1	1650.8	1375.1	1407.2	1487.3	1570.7	1650.8	1682.9
30°	2907.3	2872.1	2638.1	2224.6	1557.9	1320.6	1339.9	1394.4	1461.7	1509.8	1525.8
32.5°	3051.6	2993.9	2731.0	2221.4	1487.3	1295.0	1275.8	1291.8	1346.3	1394.4	1397.6
35°	3231.1	3186.2	2827.2	2163.7	1423.2	1282.2	1214.9	1205.3	1237.3	1285.4	1282.2
37.5°	3493.9	3455.5	2984.3	2073.9	1343.1	1250.1	1150.8	1118.7	1141.1	1173.2	1182.8
40°	3888.2	3788.8	3163.8	1974.6	1262.9	1192.4	1073.8	1029.0	1045.0	1080.2	1086.6
42.5°	4423.5	4234.4	3404.2	1839.9	1186.0	1105.9	996.9	948.8	958.4	990.5	996.9
45°	5109.5	4824.2	3734.4	1698.9	1125.1	1016.1	916.8	865.5	875.1	910.3	926.4
47.5°	5910.9	5519.8	4080.5	1548.2	1089.9	945.6	836.6	798.2	820.6	855.9	862.3
50°	6856.5	6462.2	4301.7	1426.4	1067.4	891.1	762.9	746.9	775.7	804.6	811.0
52.5°	7888.6	7327.7	4160.7	1327.1	1048.2	871.9	711.6	718.0	740.5	769.3	778.9
55°	8891.9	7645.0	3692.7	1198.8	1025.7	884.7	673.1	689.2	718.0	740.5	746.9
57.5°	9545.8	7379.0	2974.7	1064.2	1000.1	894.3	653.9	666.7	698.8	724.4	727.6
60°	8975.3	6795.6	2227.8	948.8	945.6	878.3	647.5	628.3	673.1	695.6	698.8
62.5°	7353.3	5558.3	1423.2	839.8	843.0	843.0	644.3	564.2	621.9	641.1	637.9
65°	*5051.8*	*3929.9*	*881.5*	*686.0*	*718.0*	*766.1*	*625.1*	*496.8*	*564.2*	*583.4*	*577.0*
67.5°	3320.8	2497.0	544.9	528.9	589.8	663.5	586.6	445.6	506.5	519.3	500.1
70°	1801.5	1176.4	359.0	346.2	461.6	522.5	496.8	400.7	452.0	464.8	445.6
72.5°	1189.2	676.4	253.2	253.2	362.2	365.4	407.1	359.0	400.7	413.5	394.3
75°	894.3	435.9	176.3	195.5	230.8	285.3	291.7	301.3	339.8	355.8	336.6
77.5°	410.3	160.3	105.8	144.2	160.3	218.0	185.9	224.4	253.2	259.6	243.6
80°	237.2	89.8	70.5	93.0	102.6	179.5	109.0	134.6	179.5	189.1	169.9
82.5°	99.4	44.9	48.1	57.7	60.9	99.4	76.9	86.5	118.6	115.4	102.6
85°	28.8	28.8	32.1	35.3	35.3	57.7	54.5	51.3	54.5	54.5	44.9
87.5°	19.2	19.2	19.2	22.4	22.4	25.6	28.8	32.1	32.1	32.1	28.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1625.2	1596.3	1554.6	1548.2	1525.8	1509.8	1525.8	1541.8	1570.7	1573.9	1586.7
5°	1490.5	1423.2	1371.9	1314.2	1285.4	1282.2	1275.8	1295.0	1336.7	1362.3	1381.6
7.5°	1400.8	1279.0	1189.2	1109.1	1080.2	1057.8	1077.0	1073.8	1128.3	1150.8	1170.0
10°	1352.7	1182.8	1048.2	948.8	910.3	887.9	884.7	891.1	923.2	945.6	968.0
12.5°	1384.8	1144.3	945.6	830.2	788.5	762.9	740.5	740.5	746.9	775.7	785.3
15°	1490.5	1166.8	897.5	772.5	718.0	676.4	647.5	625.1	628.3	631.5	641.1
17.5°	1644.4	1224.5	881.5	737.3	679.6	628.3	599.4	573.8	567.4	567.4	564.2
20°	1791.8	1269.4	868.7	708.4	634.7	589.8	564.2	541.7	532.1	532.1	532.1
22.5°	1852.8	1307.8	852.7	673.1	589.8	548.1	525.7	509.7	506.5	506.5	503.3
25°	1804.7	1295.0	833.4	637.9	548.1	516.1	496.8	480.8	477.6	480.8	477.6
27.5°	1654.0	1250.1	807.8	609.0	516.1	487.2	471.2	455.2	452.0	455.2	455.2
30°	1493.7	1173.2	766.1	586.6	490.4	458.4	442.4	426.3	426.3	429.5	432.7
32.5°	1365.5	1096.3	718.0	557.7	461.6	432.7	416.7	400.7	400.7	407.1	407.1
35°	1256.5	1035.4	669.9	528.9	435.9	403.9	391.1	378.2	375.0	381.4	384.7
37.5°	1170.0	980.9	618.7	500.1	410.3	381.4	368.6	352.6	349.4	355.8	362.2
40°	1080.2	920.0	573.8	464.8	384.7	355.8	343.0	323.8	323.8	330.2	336.6
42.5°	993.7	865.5	544.9	432.7	359.0	327.0	314.1	298.1	298.1	304.5	310.9
45°	923.2	814.2	528.9	400.7	330.2	301.3	285.3	272.5	275.7	282.1	288.5
47.5°	855.9	759.7	532.1	384.7	310.9	272.5	256.4	246.8	253.2	262.8	269.3
50°	804.6	721.2	535.3	359.0	285.3	250.0	234.0	227.6	237.2	246.8	253.2
52.5°	772.5	682.8	516.1	327.0	266.1	227.6	218.0	218.0	227.6	234.0	240.4
55°	740.5	618.7	474.4	291.7	246.8	211.6	205.1	205.1	214.8	221.2	224.4
57.5°	714.8	551.3	426.3	262.8	224.4	195.5	195.5	195.5	198.7	201.9	208.4
60°	666.7	480.8	365.4	240.4	201.9	182.7	179.5	179.5	176.3	179.5	189.1
62.5°	583.4	403.9	310.9	214.8	182.7	166.7	163.5	153.9	144.2	147.5	153.9
65°	*493.6*	*320.5*	*259.6*	*185.9*	*157.1*	*147.5*	*144.2*	*128.2*	*115.4*	*118.6*	*128.2*
67.5°	394.3	240.4	218.0	160.3	134.6	125.0	125.0	115.4	105.8	105.8	112.2
70°	307.7	201.9	163.5	128.2	105.8	105.8	112.2	102.6	89.8	89.8	99.4
72.5°	250.0	163.5	131.4	99.4	83.3	89.8	93.0	83.3	73.7	73.7	80.1
75°	195.5	128.2	102.6	73.7	64.1	67.3	73.7	67.3	57.7	60.9	64.1
77.5°	134.6	86.5	67.3	54.5	48.1	51.3	51.3	48.1	44.9	44.9	48.1
80°	89.8	57.7	44.9	38.5	35.3	35.3	32.1	32.1	35.3	35.3	38.5
82.5°	64.1	41.7	35.3	28.8	22.4	22.4	25.6	25.6	28.8	28.8	32.1
85°	38.5	28.8	25.6	19.2	16.0	19.2	19.2	22.4	25.6	25.6	28.8
87.5°	28.8	22.4	19.2	16.0	12.8	12.8	16.0	16.0	19.2	22.4	22.4
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: P1365349
CATALOG NUMBER: GSS-SB2C-730-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7	1804.7
2.5°	1618.8	1657.2	1711.7	1759.8	1817.5	1875.2	1929.7	1981.0	1984.2	1987.4
5°	1442.5	1519.4	1609.1	1718.1	1833.5	1945.7	2064.3	2160.5	2182.9	2195.7
7.5°	1246.9	1359.1	1496.9	1650.8	1823.9	1997.0	2163.7	2307.9	2362.4	2375.2
10°	1041.8	1179.6	1346.3	1545.0	1779.0	2009.8	2234.2	2410.5	2474.6	2487.4
12.5°	859.1	971.3	1163.6	1404.0	1686.1	1990.6	2259.8	2455.4	2519.5	2535.5
15°	702.0	807.8	987.3	1240.5	1557.9	1923.3	2240.6	2465.0	2529.1	2541.9
17.5°	580.2	647.5	811.0	1086.6	1442.5	1836.7	2215.0	2471.4	2532.3	2541.9
20°	532.1	544.9	631.5	900.7	1320.6	1772.6	2198.9	2481.0	2541.9	2551.5
22.5°	509.7	509.7	528.9	686.0	1150.8	1705.3	2192.5	2509.9	2554.7	2564.4
25°	487.2	487.2	493.6	538.5	948.8	1622.0	2205.4	2561.2	2590.0	2590.0
27.5°	464.8	464.8	471.2	480.8	705.2	1484.1	2208.6	2618.9	2631.7	2622.1
30°	442.4	448.8	448.8	455.2	519.3	1311.0	2189.3	2683.0	2683.0	2663.7
32.5°	419.9	423.1	429.5	432.7	452.0	1086.6	2157.3	2763.1	2747.1	2721.4
35°	400.7	403.9	403.9	410.3	429.5	868.7	2122.0	2872.1	2827.2	2798.4
37.5°	375.0	378.2	381.4	387.9	407.1	689.2	2070.7	2965.0	2933.0	2894.5
40°	352.6	355.8	359.0	365.4	384.7	593.0	2006.6	3106.1	3099.7	3054.8
42.5°	327.0	333.4	336.6	339.8	365.4	541.7	1961.7	3333.7	3333.7	3279.2
45°	304.5	310.9	310.9	317.3	352.6	496.8	2061.1	3647.8	3673.4	3622.2
47.5°	285.3	288.5	288.5	291.7	333.4	458.4	2327.2	4128.6	4096.6	4061.3
50°	266.1	272.5	266.1	269.3	317.3	480.8	2766.3	4744.1	4827.4	4766.5
52.5°	253.2	256.4	243.6	243.6	294.9	509.7	3125.3	5529.4	5808.3	5734.6
55°	237.2	240.4	224.4	224.4	259.6	442.4	3147.8	6423.7	7036.0	7084.1
57.5°	221.2	221.2	208.4	205.1	224.4	359.0	2791.9	7116.1	8504.1	8613.1
60°	201.9	198.7	192.3	185.9	205.1	330.2	2128.4	7023.1	9231.7	9609.9
62.5°	173.1	179.5	176.3	163.5	185.9	307.7	1388.0	6077.5	8411.1	8744.5
65°	*144.2*	*153.9*	*153.9*	*144.2*	*205.1*	*269.3*	*730.8*	*4865.9*	*7019.9*	*7420.6*
67.5°	128.2	134.6	131.4	125.0	182.7	169.9	352.6	3731.1	6010.2	6394.9
70°	112.2	118.6	109.0	102.6	147.5	121.8	208.4	2497.0	4962.0	5337.1
72.5°	93.0	99.4	89.8	80.1	109.0	93.0	137.8	1625.2	4131.8	4548.5
75°	76.9	80.1	73.7	64.1	80.1	73.7	96.2	1061.0	3455.5	3763.2
77.5°	54.5	60.9	57.7	48.1	57.7	51.3	67.3	605.8	2410.5	2641.3
80°	41.7	41.7	41.7	38.5	35.3	35.3	44.9	272.5	1170.0	1301.4
82.5°	35.3	35.3	32.1	28.8	25.6	22.4	25.6	80.1	551.3	583.4
85°	32.1	25.6	22.4	19.2	16.0	9.6	9.6	22.4	112.2	93.0
87.5°	19.2	16.0	12.8	6.4	3.2	3.2	0.0	3.2	3.2	3.2
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

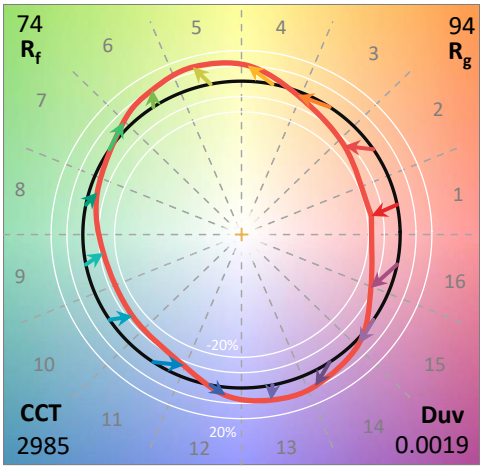
Test Information

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

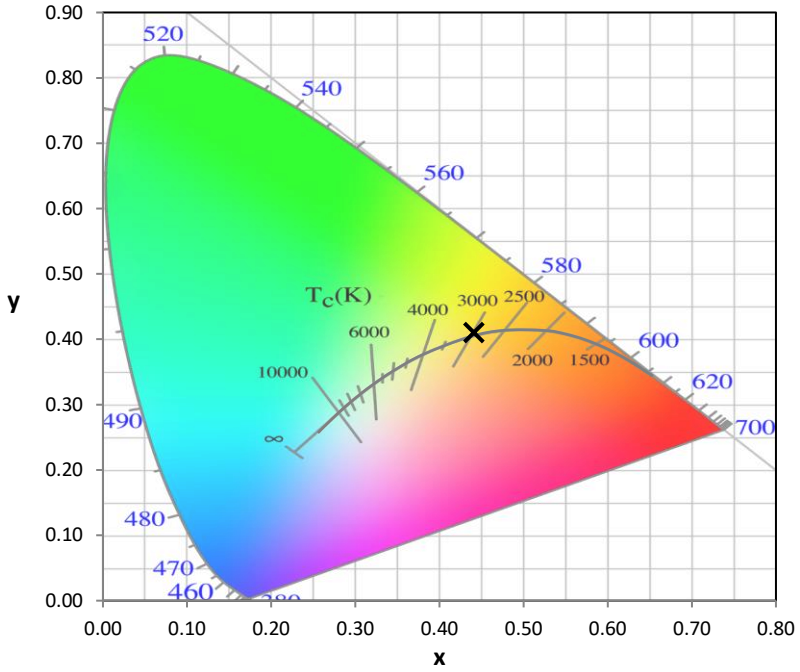
Stabilization Time:	36M
Operation Time:	1H 36M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-4

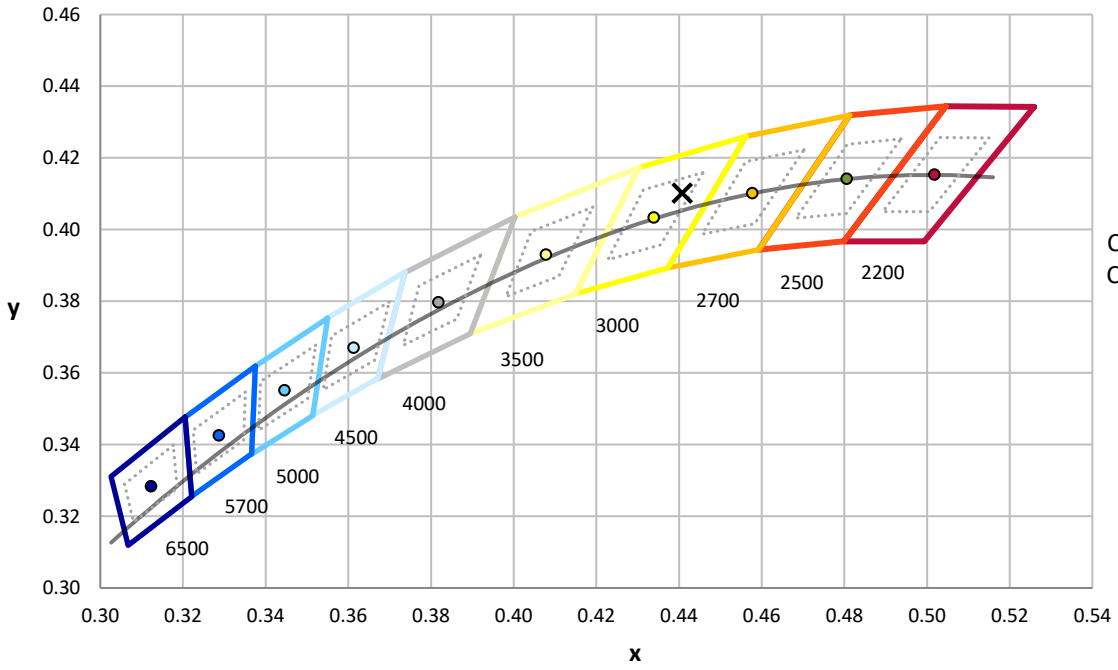
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

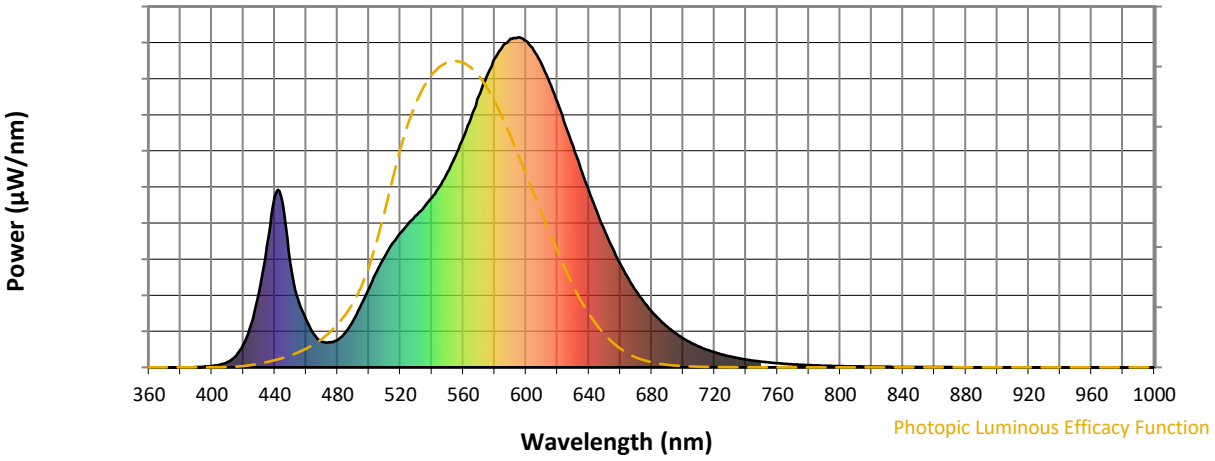


CCT = 2985K
CIE x = 0.4408
CIE y = 0.4101
Duv = 0.0019

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

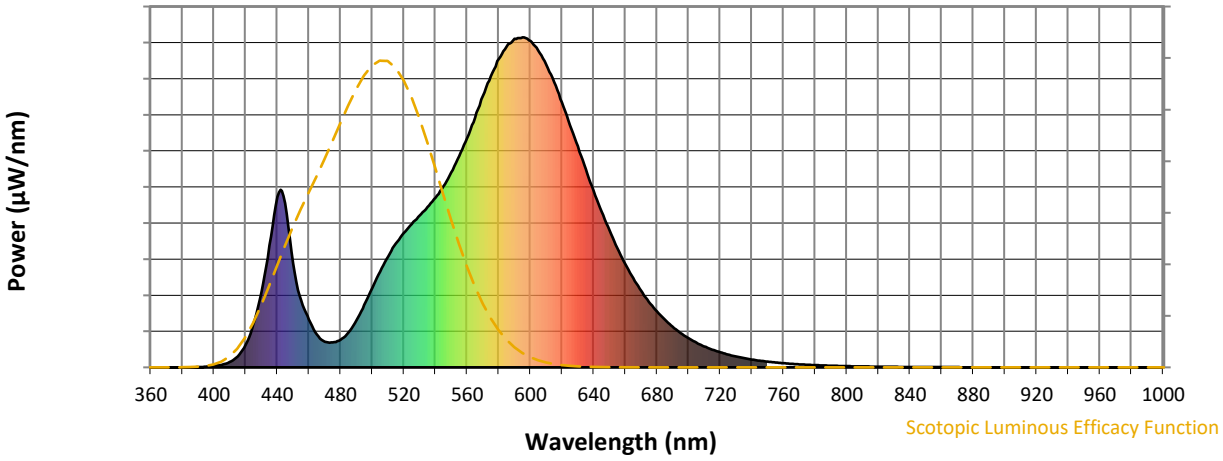


Photopic Lumens: NR

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

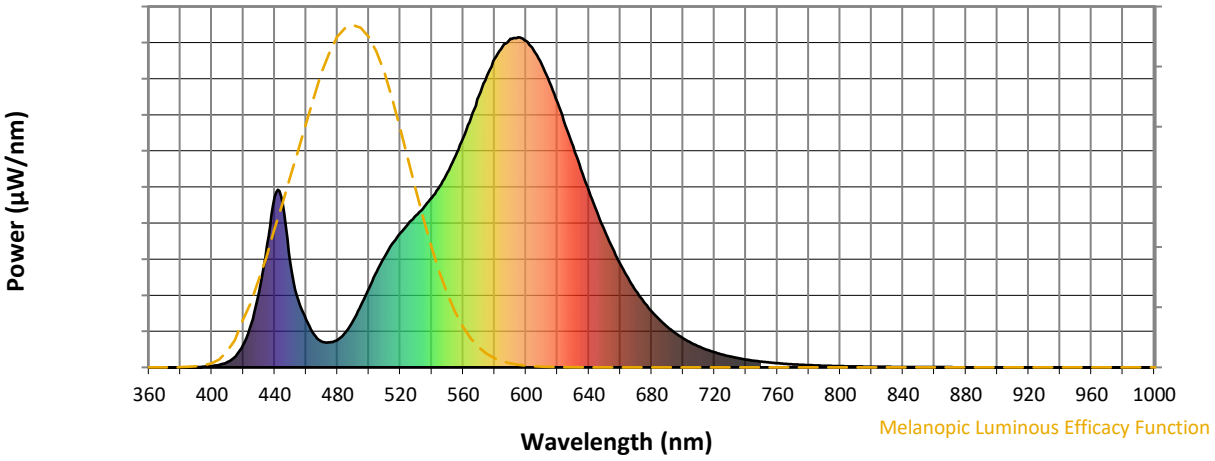


Scotopic Lumens: NR **S/P: 1.19**

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			

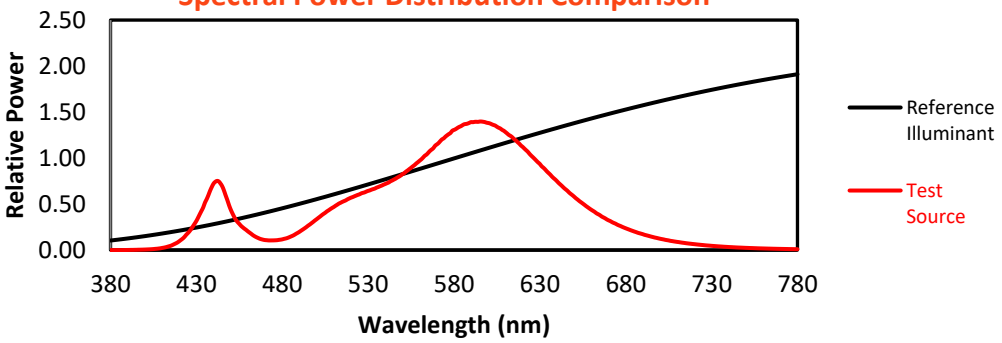
REPORT NUMBER: SP1-2407-184-4

TM-30-18

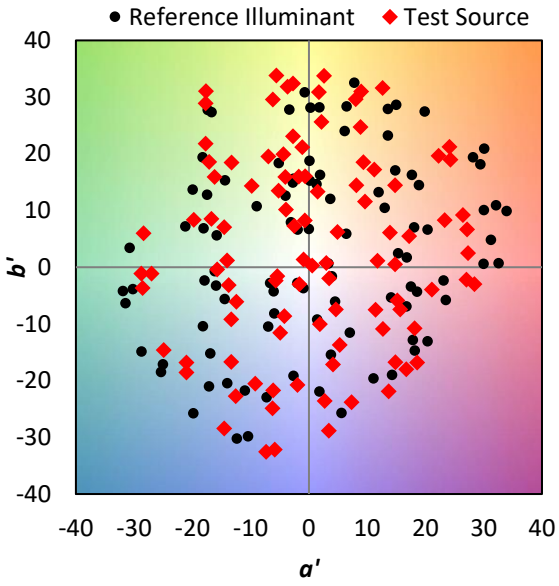
Summary

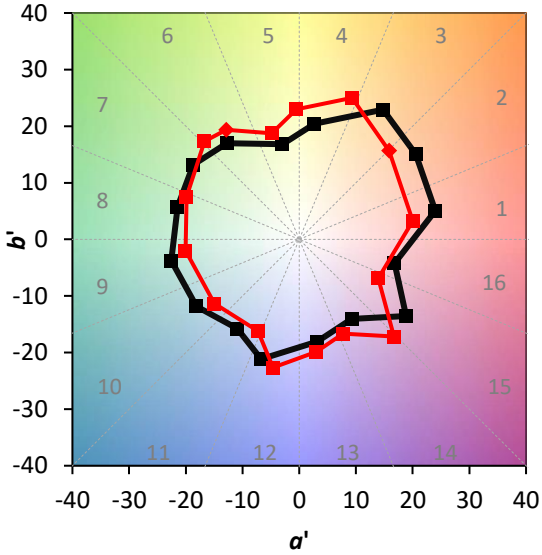
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R_g = 94.4
CIE R_a = 70.8
R_9 = -43.2

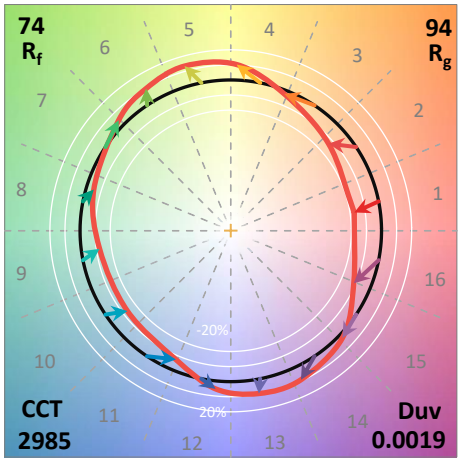
Spectral Power Distribution Comparison

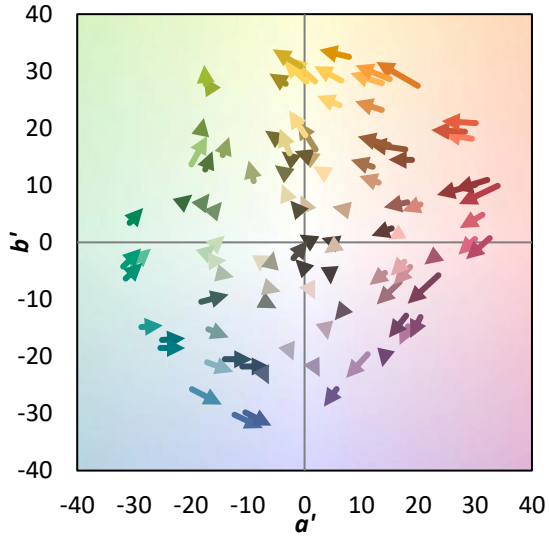


Color Vector Graphics







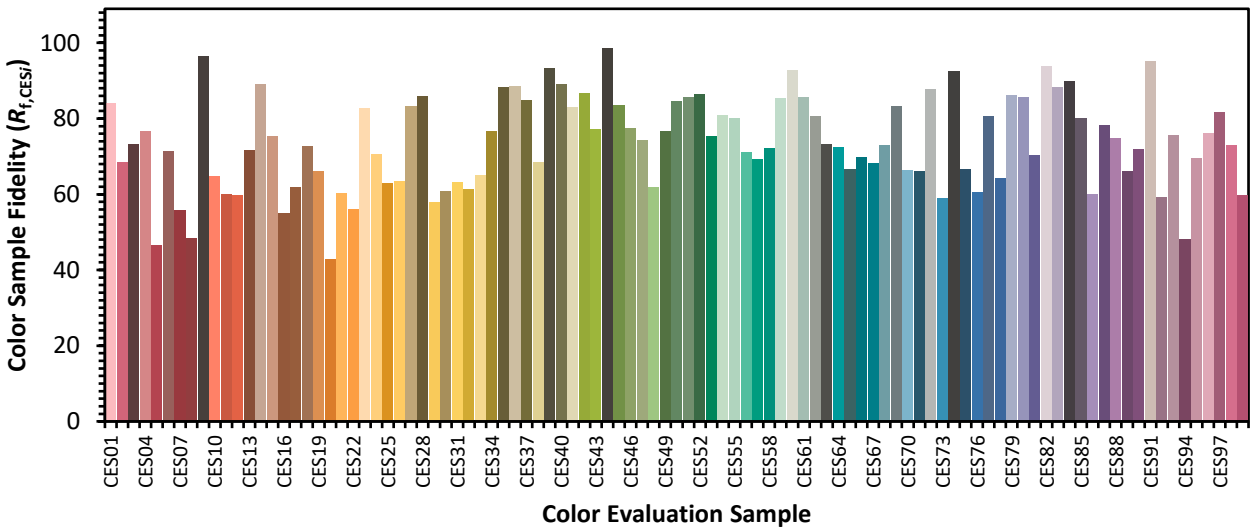


REPORT NUMBER: SP1-2407-184-4

TM-30-18

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

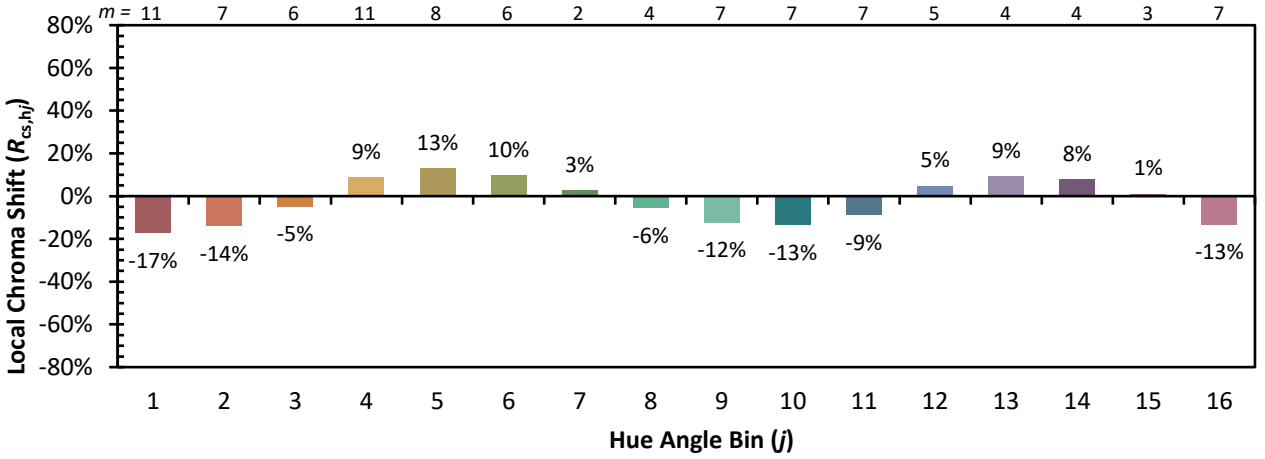
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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	

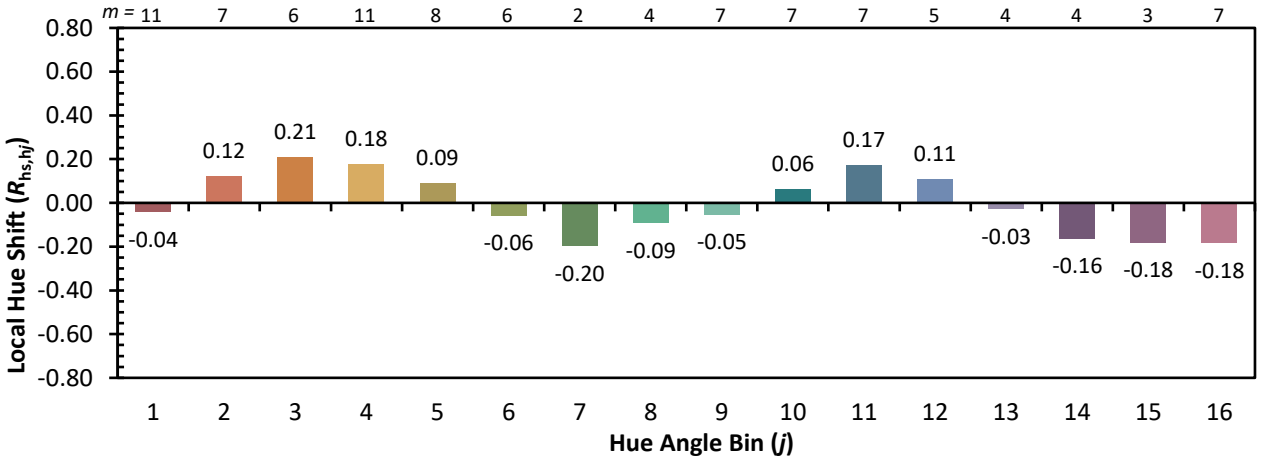


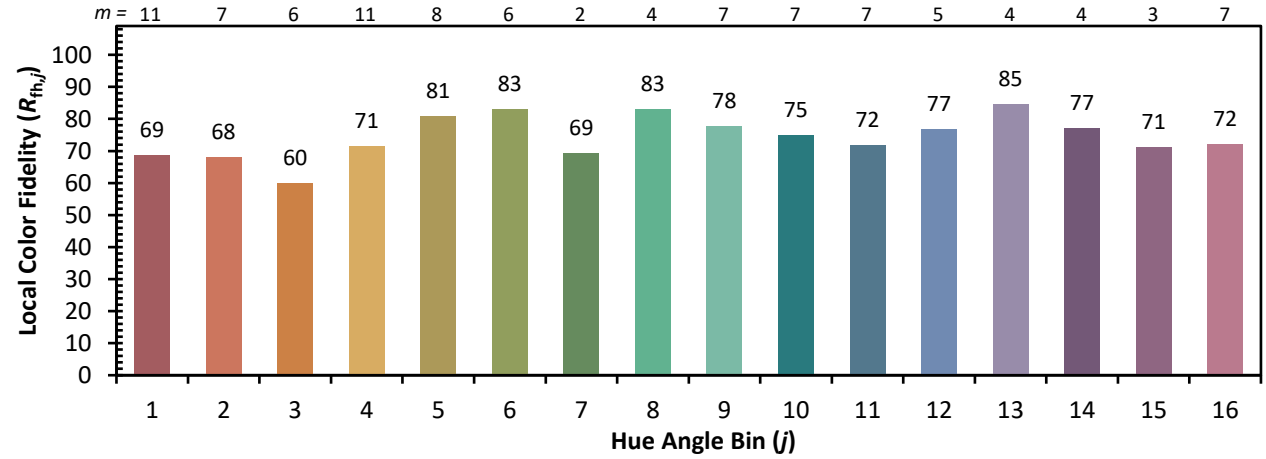
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Color Rendition by Hue-Angle Bin



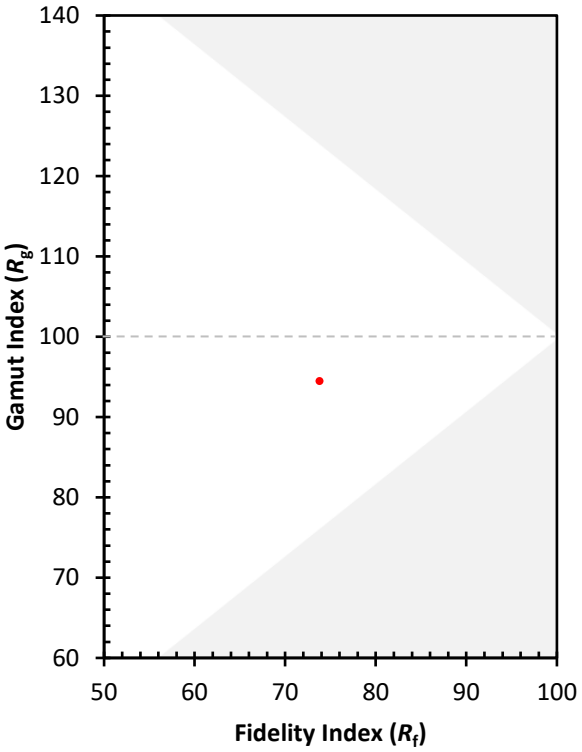


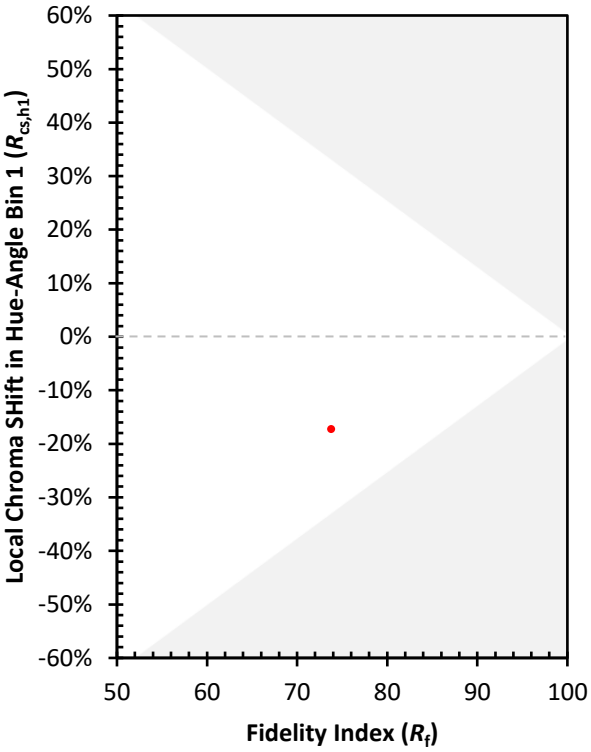


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Measure Comparisons





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