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: P1501902

Luminaire Tested: GSS-SB1B-830-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501902
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-830-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 80CRI 3000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 3000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3738.2 lumens
Efficiency:	N/A
Efficacy:	93.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

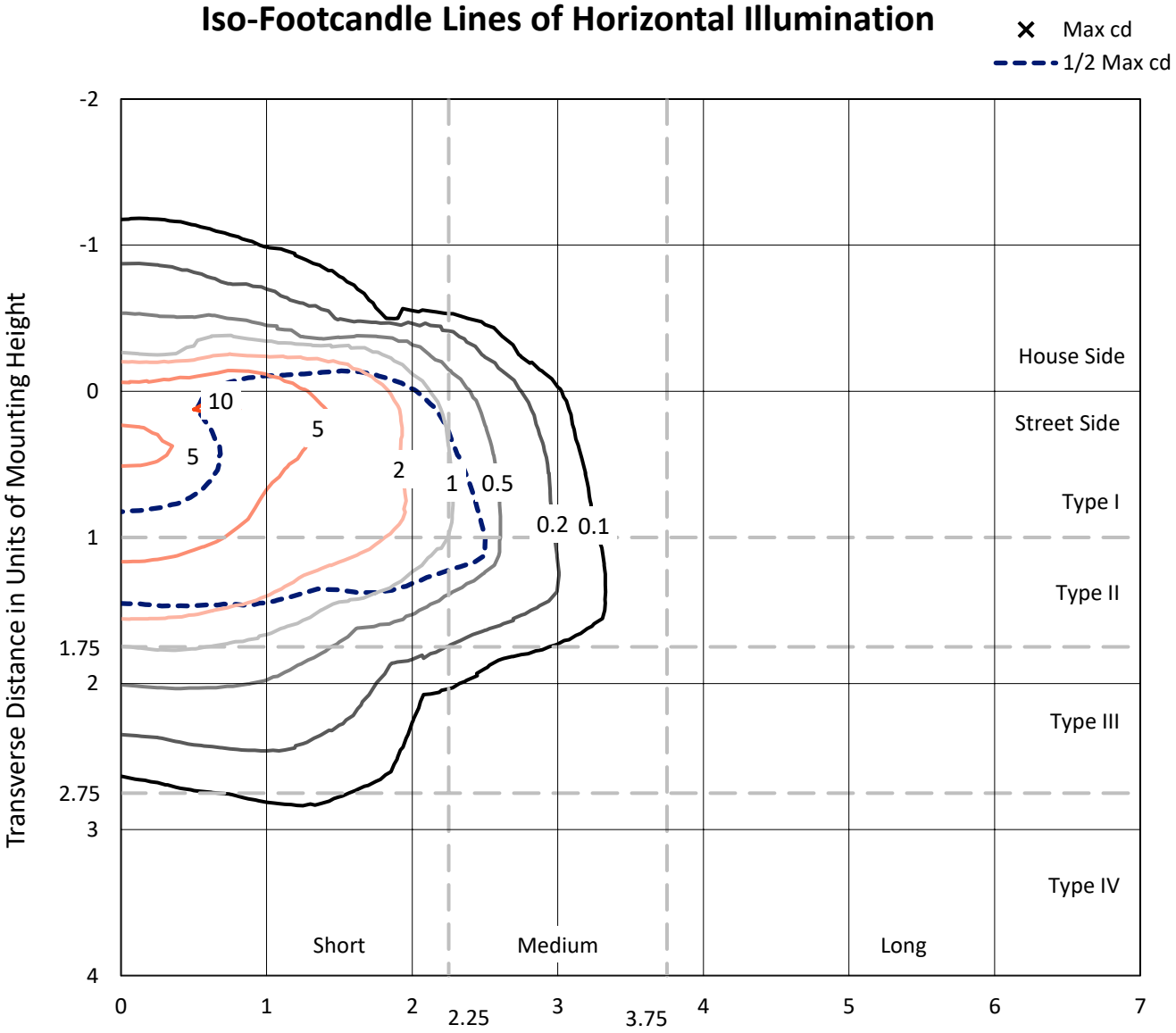
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



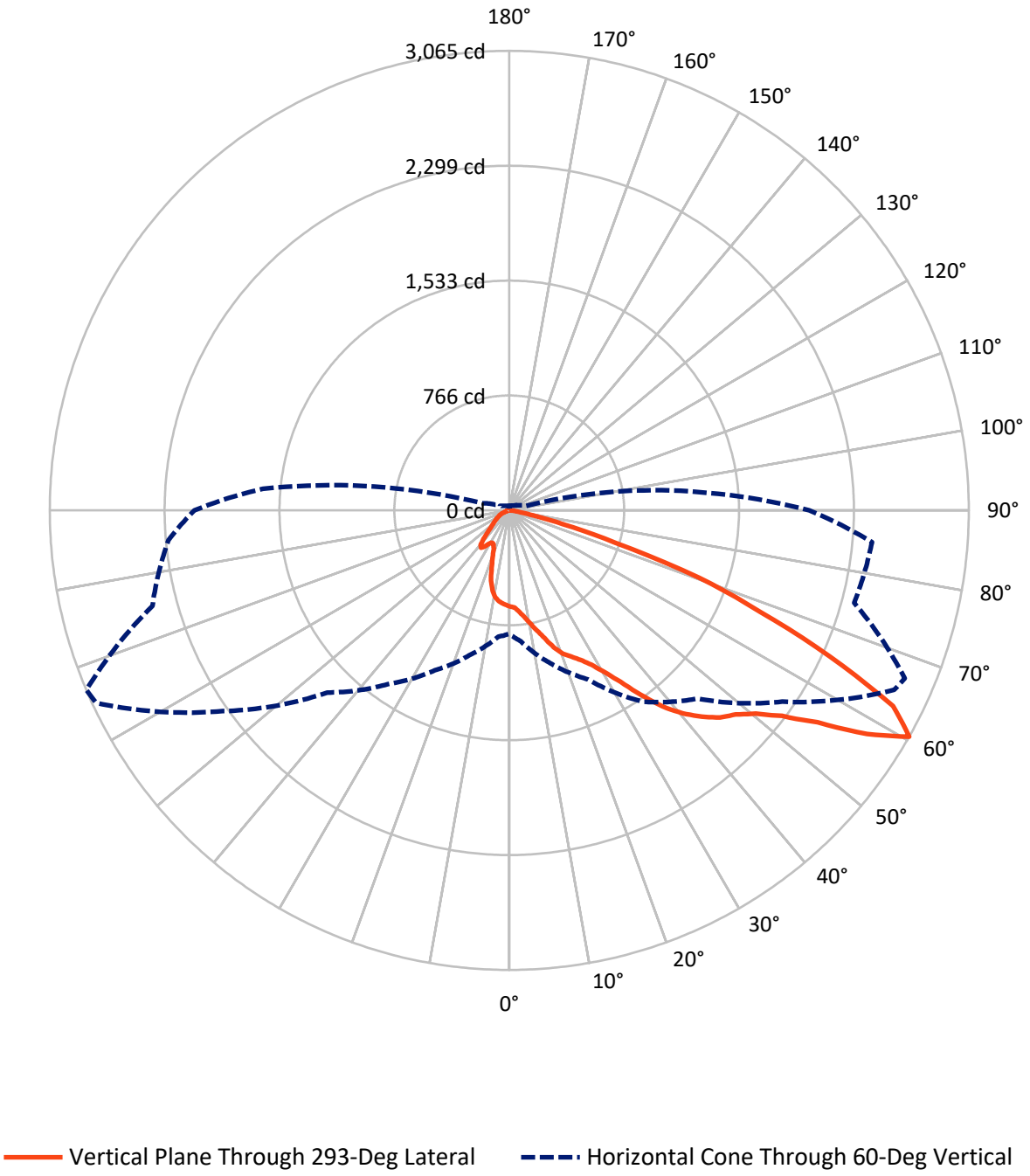
Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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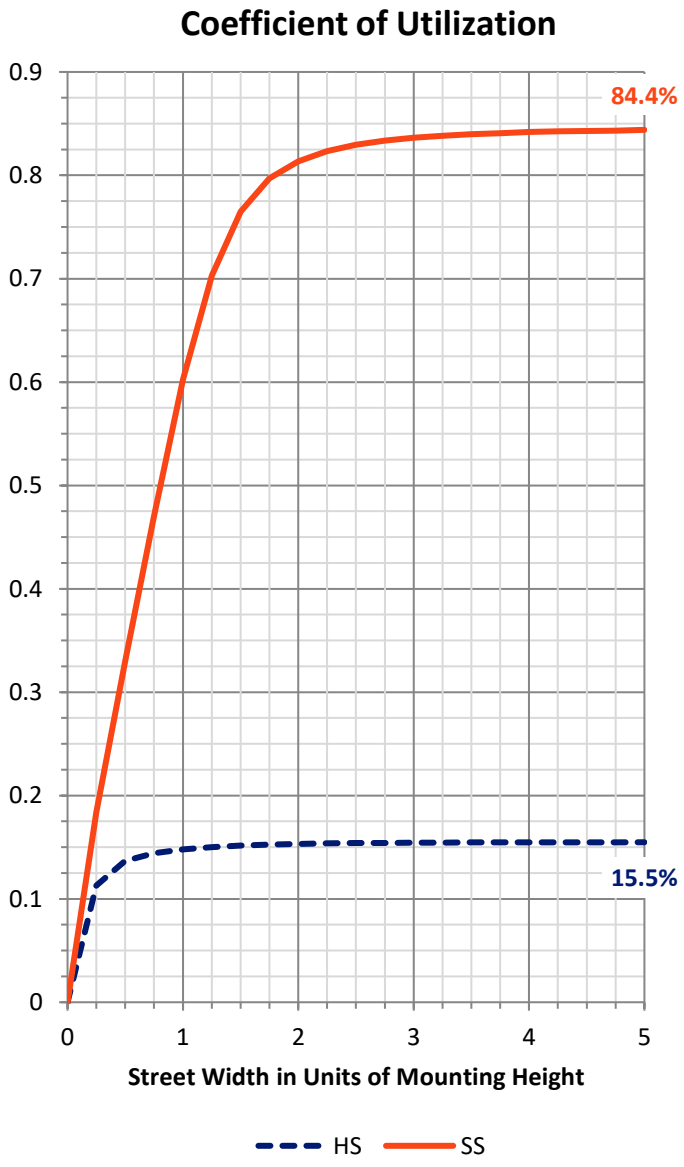
REPORT NUMBER: P1501902
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	583.2	0.0	583.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	3155.0	0.0	3155.0
	% Fixture	84.4	0.0	84.4
Total	Lumens	3738.2	0.0	3738.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.6
10°-20°	146.1	3.9
20°-30°	272.8	7.3
30°-40°	540.9	14.5
40°-50°	862.4	23.1
50°-60°	1030.4	27.6
60°-70°	675.5	18.1
70°-80°	141.5	3.8
80°-90°	10.7	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°	3738.2	100.0
0°-180°	3738.2	100.0



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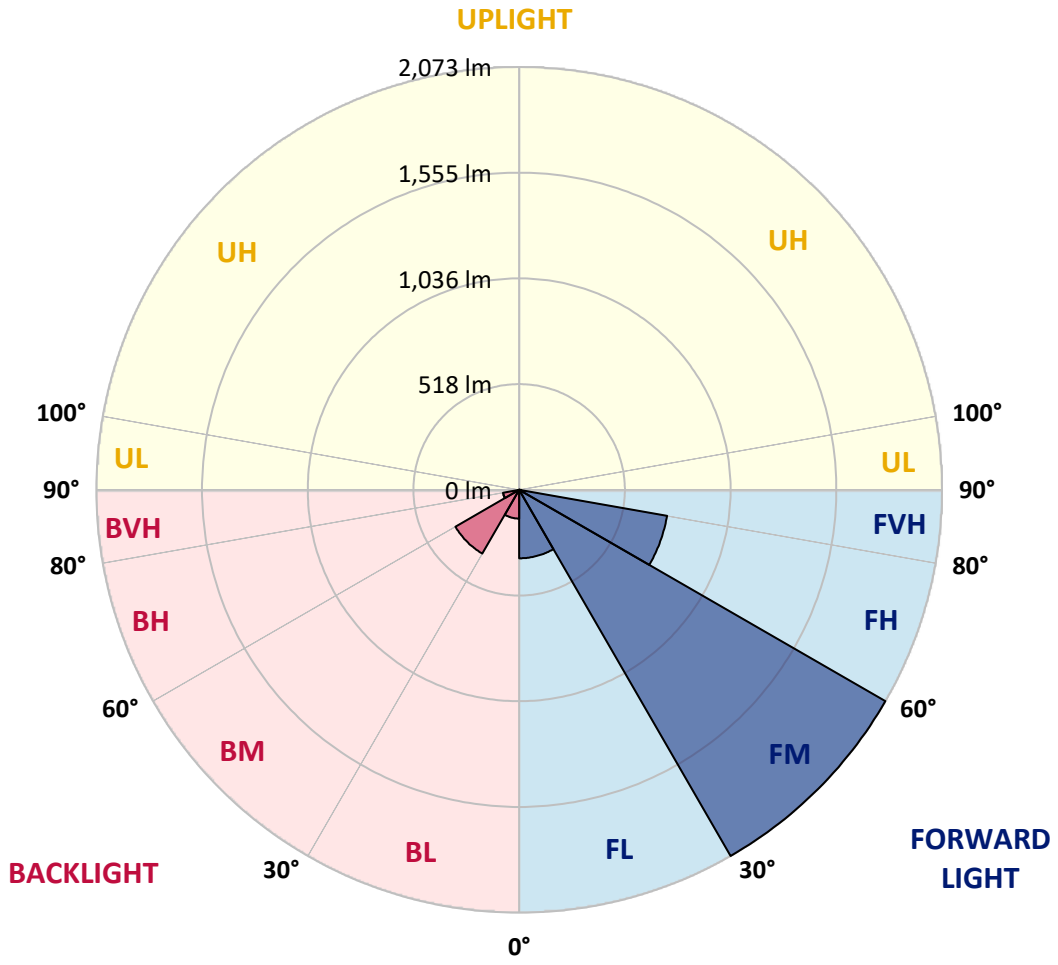
Scaled Data Report

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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°)	335.8	9.0			
FM	(30°-60°)	2073.0	55.5			
FH	(60°-80°)	736.4	19.7			G1/1800
FVH	(80°-90°)	9.8	0.3			G0/10
BL	(0°-30°)	141.1	3.8	B1/500		
BM	(30°-60°)	360.7	9.6	B1/1000		
BH	(60°-80°)	80.6	2.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7
2.5°	673.1	671.0	667.9	669.0	667.9	663.7	657.4	652.2	656.4	650.1	645.9
5°	693.0	693.0	690.9	690.9	692.0	689.9	685.7	678.4	679.4	674.2	660.6
7.5°	693.0	689.9	695.1	700.4	709.8	715.0	717.1	712.9	715.0	704.5	686.8
10°	652.2	650.1	663.7	683.6	710.8	734.9	750.6	751.7	754.8	744.3	723.4
12.5°	565.3	561.1	588.3	626.0	681.5	737.0	781.0	797.7	805.0	800.9	771.5
15°	484.7	489.9	508.8	549.6	623.9	708.7	797.7	853.2	863.7	868.9	834.4
17.5°	476.3	477.4	483.7	503.5	560.1	662.7	799.8	910.8	925.4	948.5	901.4
20°	499.4	497.3	503.5	509.8	537.0	621.8	779.9	966.3	994.5	1043.7	992.4
22.5°	542.3	542.3	545.4	549.6	563.2	618.7	771.5	1017.6	1065.7	1166.2	1106.5
25°	614.5	606.1	608.2	603.0	614.5	656.4	790.4	1058.4	1124.3	1302.3	1242.6
27.5°	726.5	729.7	710.8	682.6	688.8	724.4	836.5	1104.5	1185.1	1443.6	1380.8
30°	881.5	876.2	864.7	809.2	784.1	815.5	921.3	1179.8	1266.7	1622.7	1565.1
32.5°	1002.9	1017.6	997.7	958.9	920.2	929.6	1040.6	1301.3	1366.2	1787.0	1755.6
35°	1149.5	1149.5	1153.7	1099.2	1073.0	1071.0	1190.3	1433.2	1498.1	1935.7	1957.7
37.5°	1347.3	1333.7	1310.7	1250.0	1230.1	1256.3	1330.6	1569.3	1639.4	2056.1	2114.7
40°	1513.8	1523.2	1520.1	1432.1	1393.4	1421.7	1487.6	1685.5	1739.9	2133.5	2241.4
42.5°	1677.1	1682.3	1668.7	1626.8	1570.3	1572.4	1626.8	1773.4	1828.9	2207.9	2360.7
45°	1799.6	1798.5	1789.1	1778.6	1745.1	1710.6	1720.0	1870.8	1918.9	2231.9	2425.6
47.5°	1838.3	1846.7	1855.1	1884.4	1907.4	1853.0	1804.8	1923.1	1967.1	2227.8	2449.7
50°	1802.7	1820.5	1861.3	1905.3	1983.8	1979.6	1876.0	1979.6	2022.6	2250.8	2478.0
52.5°	1723.2	1741.0	1795.4	1875.0	1993.3	2051.9	2007.9	2074.9	2125.2	2309.4	2536.6
55°	1537.9	1545.2	1657.2	1761.9	1946.1	2020.5	2149.2	2236.1	2278.0	2380.6	2614.1
57.5°	1252.1	1269.9	1379.8	1550.4	1814.2	1937.8	2229.8	2511.5	2510.4	2448.6	2630.8
60°	*823.9*	*876.2*	*1055.3*	*1243.7*	*1558.8*	*1775.5*	*2224.6*	*2833.9*	*2866.3*	*2381.6*	*2428.8*
62.5°	629.2	651.2	752.7	909.7	1153.7	1471.9	2190.1	2930.2	2955.3	2201.6	2126.2
65°	473.2	500.4	597.8	738.0	814.5	997.7	1963.9	2547.1	2581.6	1965.0	1653.0
67.5°	290.0	312.0	441.8	606.1	616.6	619.8	1325.3	1929.4	1942.0	1585.0	1112.8
70°	193.7	215.7	305.7	465.9	491.0	357.0	727.6	1460.4	1459.3	1084.6	676.3
72.5°	112.0	122.5	193.7	343.4	386.3	227.2	363.3	928.6	887.8	509.8	316.2
75°	63.9	71.2	106.8	220.9	271.1	144.5	143.4	497.3	439.7	262.8	172.7
77.5°	38.7	41.9	58.6	144.5	163.3	97.4	79.6	231.4	223.0	153.9	91.1
80°	18.8	22.0	35.6	84.8	104.7	52.3	48.2	91.1	97.4	84.8	48.2
82.5°	6.3	8.4	19.9	32.5	68.0	20.9	19.9	50.3	53.4	50.3	23.0
85°	3.1	4.2	9.4	10.5	26.2	10.5	7.3	22.0	27.2	16.8	9.4
87.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1	2.1	2.1
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°	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7
2.5°	642.8	640.7	636.5	629.2	628.1	622.9	614.5	609.3	605.1	608.2	609.3
5°	654.3	649.1	636.5	616.6	595.7	574.7	554.8	531.8	516.1	514.0	509.8
7.5°	675.2	664.8	637.5	598.8	545.4	495.2	436.5	380.0	351.8	347.6	338.1
10°	708.7	690.9	645.9	567.4	464.8	360.1	271.1	210.4	175.9	169.6	171.7
12.5°	748.5	723.4	647.0	514.0	353.8	223.0	153.9	130.9	123.5	120.4	120.4
15°	799.8	763.2	645.9	444.9	238.7	143.4	123.5	114.1	111.0	108.9	108.9
17.5°	864.7	816.6	638.6	341.3	161.2	124.6	113.1	105.7	101.5	100.5	100.5
20°	941.1	876.2	621.8	254.4	135.0	116.2	106.8	97.4	94.2	92.1	92.1
22.5°	1038.5	948.5	589.4	197.9	127.7	111.0	100.5	90.0	86.9	84.8	84.8
25°	1151.6	1040.6	546.5	178.0	126.7	106.8	94.2	83.8	80.6	79.6	78.5
27.5°	1285.6	1139.0	506.7	179.0	128.8	103.6	87.9	78.5	75.4	72.2	73.3
30°	1443.6	1240.5	474.2	191.6	130.9	100.5	83.8	75.4	72.2	68.0	68.0
32.5°	1599.6	1359.9	471.1	214.6	138.2	98.4	79.6	71.2	68.0	64.9	64.9
35°	1759.8	1468.8	488.9	245.0	152.8	95.3	74.3	67.0	63.9	61.8	60.7
37.5°	1912.6	1555.7	505.6	263.8	144.5	81.7	68.0	61.8	58.6	54.4	54.4
40°	2014.2	1602.8	508.8	249.2	119.3	73.3	61.8	55.5	51.3	49.2	48.2
42.5°	2088.5	1633.1	473.2	202.0	103.6	67.0	56.5	50.3	47.1	45.0	45.0
45°	2118.9	1622.7	412.5	153.9	95.3	61.8	51.3	46.1	44.0	41.9	41.9
47.5°	2114.7	1574.5	350.7	123.5	86.9	56.5	48.2	44.0	41.9	39.8	38.7
50°	2107.4	1529.5	287.9	109.9	77.5	53.4	45.0	41.9	38.7	36.6	35.6
52.5°	2155.5	1514.8	238.7	100.5	72.2	51.3	44.0	39.8	36.6	34.5	34.5
55°	2203.7	1521.1	187.4	94.2	67.0	50.3	42.9	38.7	35.6	32.5	32.5
57.5°	2200.5	1493.9	142.4	87.9	62.8	49.2	41.9	37.7	32.5	30.4	30.4
60°	*2000.6*	*1332.7*	*111.0*	*80.6*	*57.6*	*46.1*	*38.7*	*35.6*	*30.4*	*27.2*	*27.2*
62.5°	1691.8	1047.9	91.1	71.2	51.3	41.9	35.6	32.5	27.2	22.0	22.0
65°	1250.0	755.8	73.3	61.8	47.1	36.6	32.5	28.3	22.0	17.8	16.8
67.5°	845.9	464.8	58.6	51.3	41.9	31.4	27.2	24.1	19.9	14.7	13.6
70°	501.5	247.1	42.9	35.6	31.4	23.0	23.0	20.9	16.8	12.6	11.5
72.5°	238.7	85.8	31.4	26.2	24.1	16.8	17.8	17.8	13.6	9.4	8.4
75°	121.4	41.9	20.9	18.8	15.7	12.6	14.7	13.6	9.4	6.3	6.3
77.5°	69.1	29.3	14.7	12.6	10.5	8.4	9.4	8.4	5.2	3.1	3.1
80°	38.7	20.9	9.4	8.4	6.3	5.2	5.2	4.2	3.1	1.0	1.0
82.5°	14.7	12.6	6.3	4.2	3.1	3.1	2.1	2.1	1.0	0.0	0.0
85°	6.3	3.1	3.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	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

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7
2.5°	600.9	603.0	605.1	613.5	615.6	621.8	627.1	633.4	634.4	642.8	642.8
5°	518.2	517.2	535.0	561.1	577.9	600.9	618.7	637.5	648.0	661.6	667.9
7.5°	343.4	369.5	409.3	455.4	515.1	570.5	612.4	649.1	674.2	689.9	696.2
10°	170.6	185.3	227.2	302.5	404.1	517.2	606.1	674.2	715.0	732.8	744.3
12.5°	120.4	123.5	130.9	171.7	269.0	429.2	586.3	701.4	757.9	791.4	806.1
15°	107.8	109.9	113.1	124.6	166.5	320.3	550.7	731.8	824.9	863.7	882.5
17.5°	99.5	100.5	103.6	113.1	130.9	217.8	493.1	764.2	905.5	952.7	988.3
20°	92.1	92.1	95.3	106.8	121.4	167.5	410.4	800.9	1008.1	1076.2	1111.8
22.5°	83.8	85.8	87.9	100.5	118.3	152.8	332.9	829.1	1122.3	1205.0	1246.8
25°	77.5	79.6	81.7	94.2	115.2	152.8	287.9	846.9	1250.0	1348.4	1406.0
27.5°	72.2	74.3	77.5	90.0	112.0	159.1	270.1	852.2	1389.2	1516.9	1594.4
30°	68.0	70.1	73.3	86.9	114.1	166.5	276.4	844.8	1530.5	1690.7	1782.8
32.5°	63.9	66.0	69.1	83.8	114.1	175.9	297.3	830.2	1667.7	1864.5	1977.6
35°	60.7	61.8	62.8	75.4	103.6	174.8	323.5	815.5	1805.9	2036.2	2168.1
37.5°	54.4	55.5	57.6	64.9	82.7	159.1	328.7	797.7	1914.7	2180.6	2326.2
40°	48.2	50.3	52.3	59.7	69.1	128.8	305.7	760.0	1972.3	2291.6	2468.5
42.5°	44.0	45.0	47.1	54.4	63.9	102.6	256.5	694.1	2023.6	2367.0	2572.2
45°	40.8	41.9	44.0	49.2	59.7	89.0	202.0	613.5	2027.8	2391.1	2622.4
47.5°	37.7	38.7	39.8	45.0	57.6	79.6	154.9	540.2	2026.8	2422.5	2665.3
50°	35.6	36.6	38.7	42.9	54.4	71.2	127.7	480.5	2070.7	2490.5	2752.2
52.5°	34.5	34.5	37.7	41.9	51.3	64.9	106.8	427.1	2093.8	2557.5	2815.1
55°	32.5	33.5	35.6	39.8	48.2	61.8	91.1	360.1	2104.2	2591.0	2826.6
57.5°	30.4	31.4	34.5	37.7	46.1	58.6	78.5	269.0	1954.5	2416.2	2633.9
60°	*27.2*	*29.3*	*33.5*	*36.6*	*42.9*	*53.4*	*69.1*	*182.2*	*1648.8*	*2100.0*	*2282.2*
62.5°	22.0	26.2	30.4	32.5	38.7	45.0	58.6	121.4	1317.0	1737.8	1945.1
65°	16.8	22.0	25.1	28.3	32.5	37.7	49.2	82.7	878.3	1169.4	1402.8
67.5°	14.7	18.8	20.9	23.0	27.2	32.5	39.8	57.6	532.9	702.5	932.8
70°	11.5	15.7	17.8	16.8	20.9	25.1	28.3	38.7	272.2	381.1	530.8
72.5°	8.4	12.6	13.6	13.6	12.6	17.8	20.9	27.2	118.3	185.3	240.8
75°	6.3	8.4	9.4	8.4	7.3	11.5	14.7	17.8	77.5	111.0	140.3
77.5°	3.1	3.1	5.2	5.2	3.1	6.3	7.3	10.5	44.0	64.9	80.6
80°	1.0	0.0	0.0	1.0	0.0	2.1	3.1	5.2	23.0	34.5	50.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	11.5	10.5	26.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	6.3
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

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

Scaled Data Report

REPORT NUMBER: P1501902
CATALOG NUMBER: GSS-SB1B-830-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	640.7	*640.7*	640.7	640.7	640.7	640.7	640.7	640.7	640.7	640.7
2.5°	648.0	*648.0*	652.2	658.5	661.6	663.7	664.8	666.9	675.2	673.1
5°	675.2	*677.3*	680.5	686.8	694.1	692.0	692.0	692.0	697.2	693.0
7.5°	710.8	*717.1*	718.2	725.5	720.3	709.8	703.5	694.1	693.0	693.0
10°	768.4	*766.3*	766.3	756.9	738.0	707.7	680.5	661.6	651.2	652.2
12.5°	830.2	*821.8*	822.8	788.3	734.9	667.9	612.4	571.6	568.5	565.3
15°	906.6	*884.6*	880.4	800.9	687.8	585.2	530.8	498.3	487.8	484.7
17.5°	1015.5	*960.0*	940.1	778.9	626.0	533.9	493.1	478.4	477.4	476.3
20°	1130.6	*1020.7*	983.0	746.4	605.1	535.0	504.6	500.4	498.3	499.4
22.5°	1264.6	*1059.4*	1011.3	751.7	623.9	569.5	545.4	542.3	540.2	542.3
25°	1402.8	*1104.5*	1044.8	793.5	680.5	633.4	605.1	598.8	605.1	614.5
27.5°	1542.0	*1165.2*	1110.7	876.2	771.5	720.3	693.0	716.1	725.5	726.5
30°	1665.6	*1250.0*	1199.7	992.4	875.2	823.9	829.1	858.4	870.0	881.5
32.5°	1778.6	*1363.0*	1324.3	1124.3	1009.2	978.8	975.7	997.7	1010.2	1002.9
35°	1892.8	*1510.6*	1473.0	1267.8	1173.5	1148.4	1122.3	1165.2	1161.0	1149.5
37.5°	2000.6	*1659.3*	1624.8	1421.7	1324.3	1280.3	1276.1	1314.9	1349.4	1347.3
40°	2078.1	*1779.7*	1737.8	1574.5	1482.4	1444.7	1466.7	1533.7	1525.3	1513.8
42.5°	2149.2	*1882.3*	1844.6	1708.5	1612.2	1628.9	1648.8	1693.8	1688.6	1677.1
45°	2182.7	*1970.2*	1937.8	1810.0	1762.9	1816.3	1815.3	1832.0	1803.8	1799.6
47.5°	2229.8	*2033.0*	1999.5	1901.1	1943.0	1965.0	1903.2	1885.4	1859.3	1838.3
50°	2316.7	*2130.4*	2096.9	2039.3	2074.9	2006.9	1931.5	1892.8	1839.4	1802.7
52.5°	2418.3	*2278.0*	2248.7	2225.7	2126.2	1985.9	1889.6	1819.5	1754.6	1723.2
55°	2546.0	*2495.8*	2474.8	2348.1	2080.1	1900.1	1787.0	1656.2	1567.2	1537.9
57.5°	2587.9	*2815.1*	2807.7	2368.0	1951.4	1744.1	1540.0	1363.0	1270.9	1252.1
60°	*2464.3*	*3065.3*	*3039.1*	*2334.5*	*1717.9*	*1415.4*	*1176.7*	*995.6*	*845.9*	*823.9*
62.5°	2306.3	*2873.7*	2864.3	2166.0	1308.6	1014.4	879.4	709.8	645.9	629.2
65°	1975.5	*2351.3*	2355.5	1737.8	828.1	728.6	722.3	564.3	485.8	473.2
67.5°	1521.1	*1803.8*	1774.5	1092.9	482.6	583.1	576.8	412.5	298.4	290.0
70°	888.8	*1343.1*	1296.0	568.5	319.3	486.8	443.9	290.0	203.1	193.7
72.5°	392.6	*739.1*	793.5	250.2	225.1	387.3	320.3	178.0	114.1	112.0
75°	217.8	*366.4*	383.2	108.9	158.1	275.3	193.7	99.5	64.9	63.9
77.5°	130.9	*162.3*	158.1	70.1	118.3	175.9	117.3	56.5	40.8	38.7
80°	73.3	*74.3*	62.8	51.3	70.1	98.4	66.0	35.6	18.8	18.8
82.5°	45.0	*40.8*	32.5	15.7	18.8	59.7	24.1	19.9	6.3	6.3
85°	18.8	*12.6*	8.4	3.1	7.3	15.7	8.4	9.4	3.1	3.1
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: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

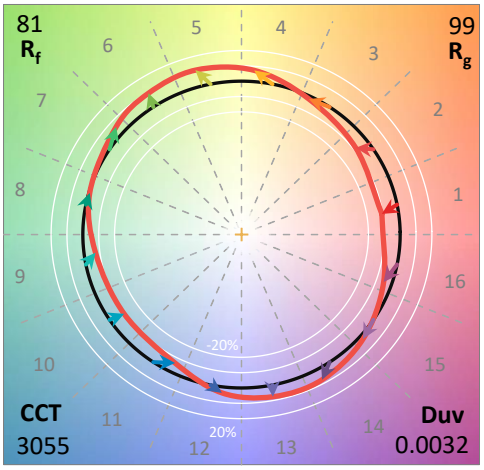
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-9
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-830-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3055
CIE u':	0.2475
CIE v':	0.5247
Duv:	0.0032
CIE x:	0.4377
CIE y:	0.4124
CIE z:	0.1499
Peak Wavelength (nm):	604
Dominant Wavelength (nm):	581
Purity:	55.16339
Rf:	81.5
Rg:	99.2

CRI (Ra):	80.9
R1:	79.5
R2:	85.6
R3:	92.1
R4:	82.4
R5:	78.9
R6:	81.7
R7:	85.1
R8:	61.9
R9:	6.8
R10:	67.1
R11:	82.5
R12:	63.4
R13:	80.2
R14:	95.1
R15:	71.7



Test Conditions

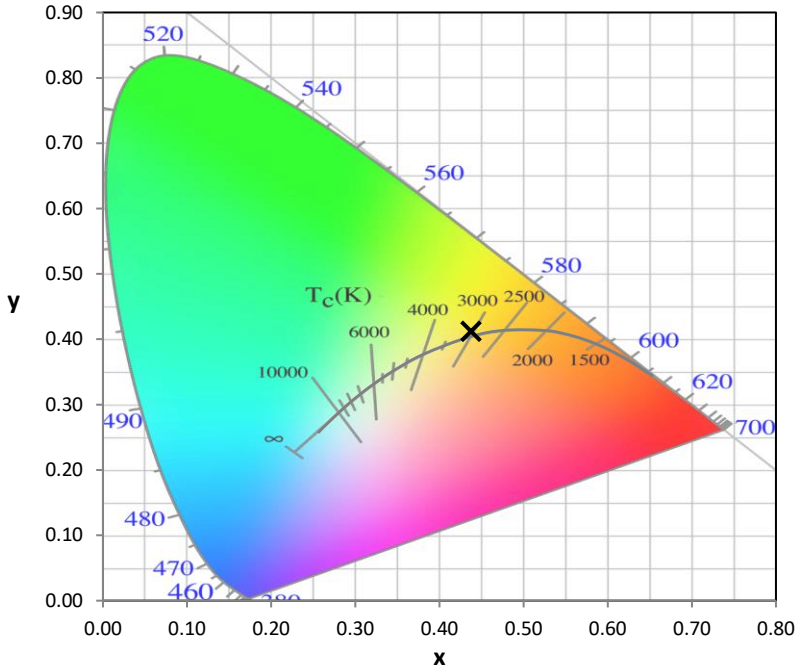
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-9

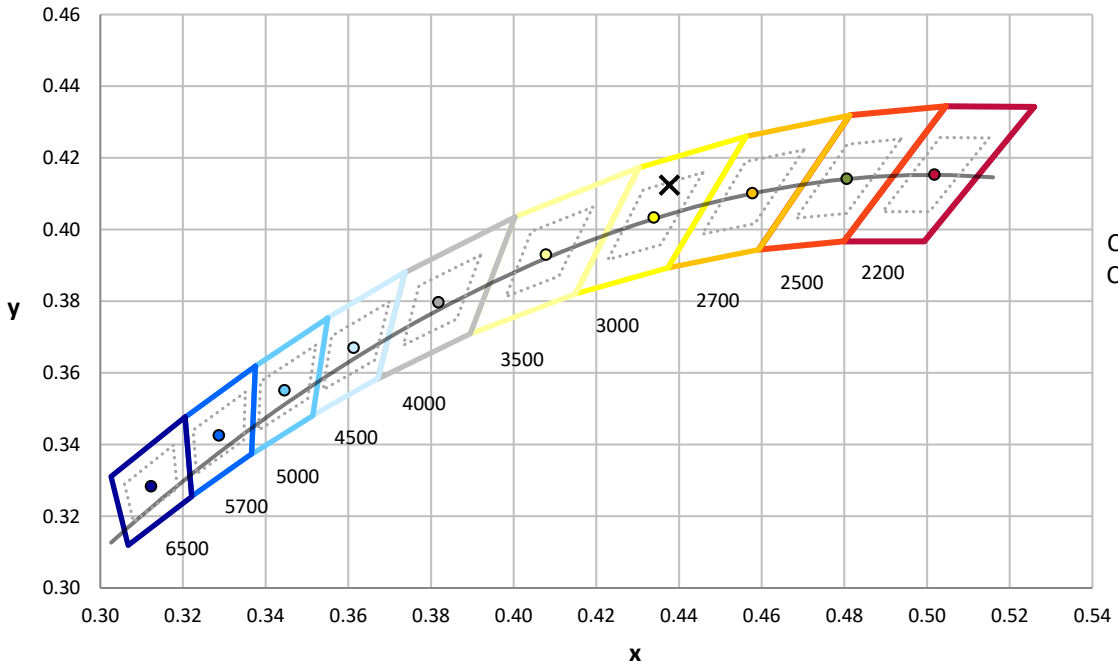
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-9

CIE 1931 Chromaticity Diagram



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

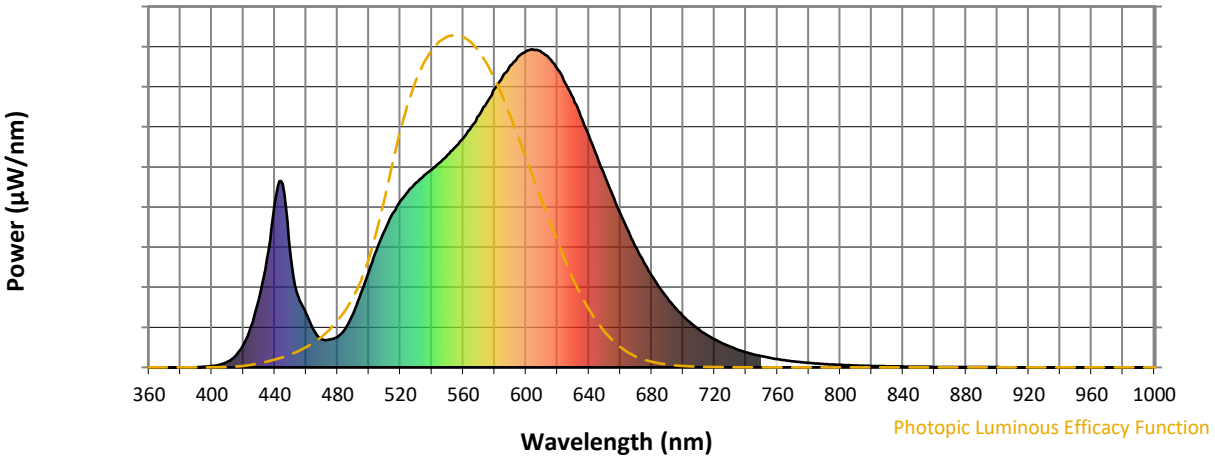


CCT = 3055K
CIE x = 0.4377
CIE y = 0.4124
Duv = 0.0032

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-9

Photopic Flux vs. Wavelength

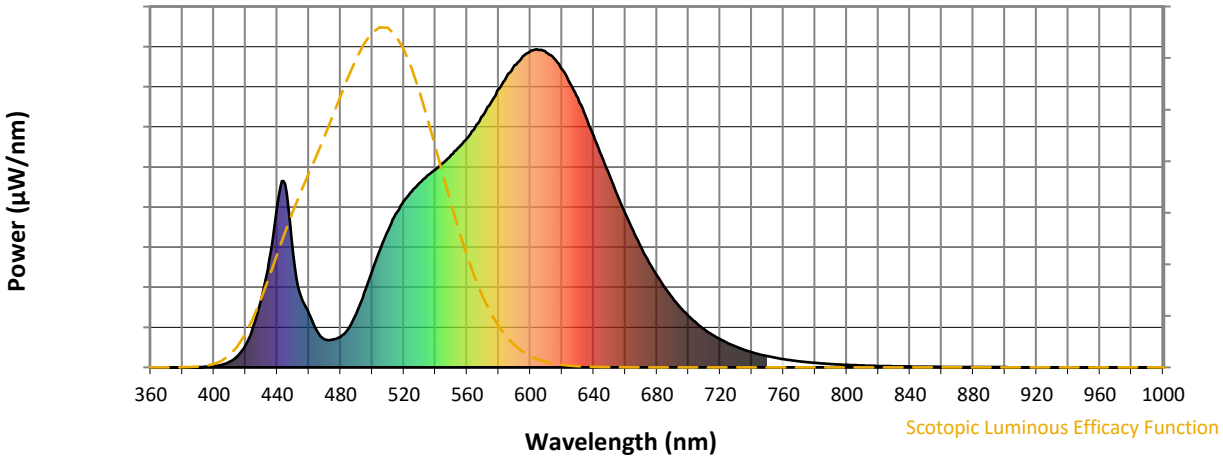


Photopic Lumens: NR

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-9

Scotopic Flux vs. Wavelength

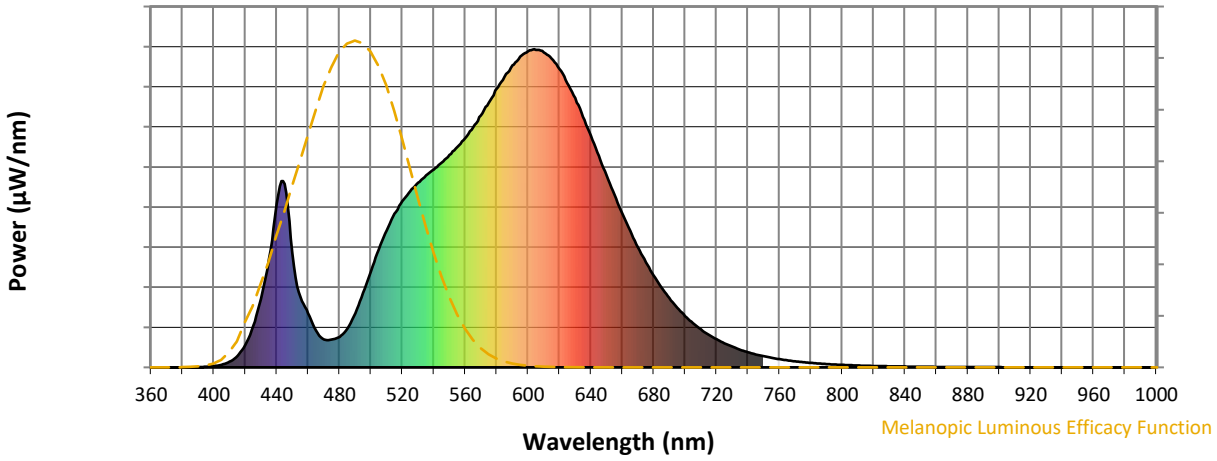


Scotopic Lumens: NR **S/P: 1.28**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.33**

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

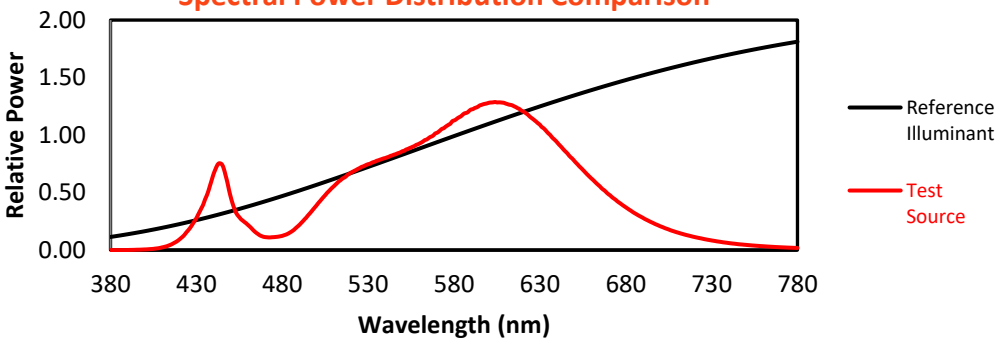
REPORT NUMBER: SP1-2407-184-9

TM-30-18

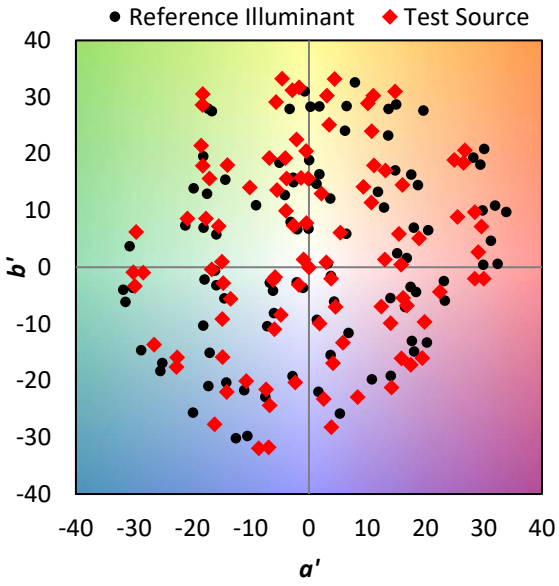
Summary

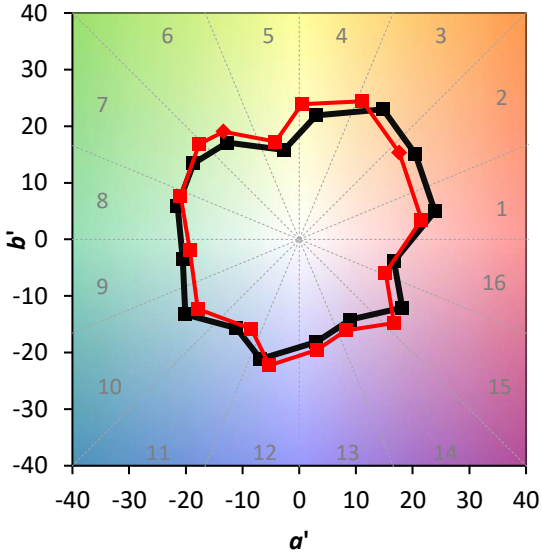
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R_g = 99.2
CIE R_a = 80.9
R_9 = 6.8

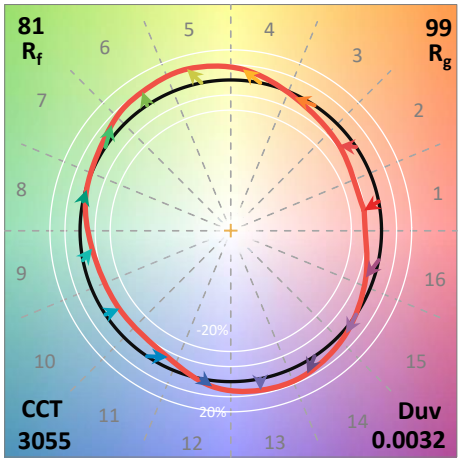
Spectral Power Distribution Comparison

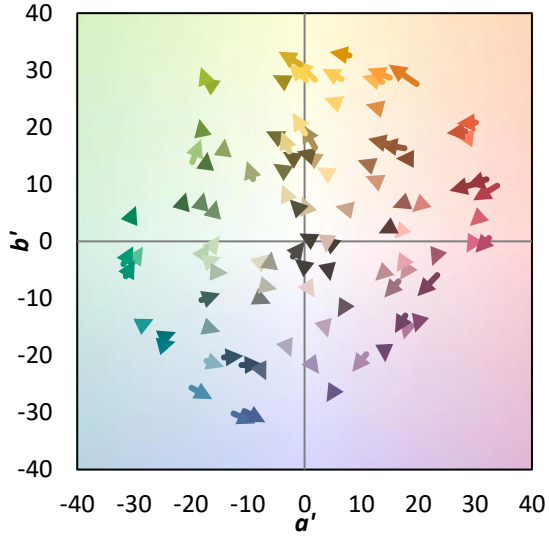


Color Vector Graphics







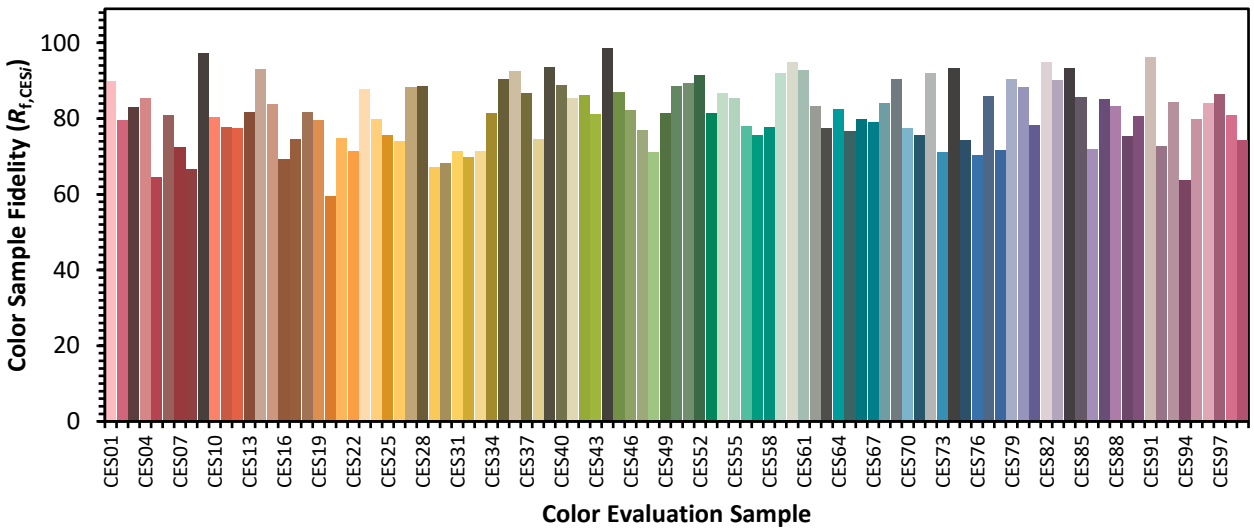


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TM-30-18

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

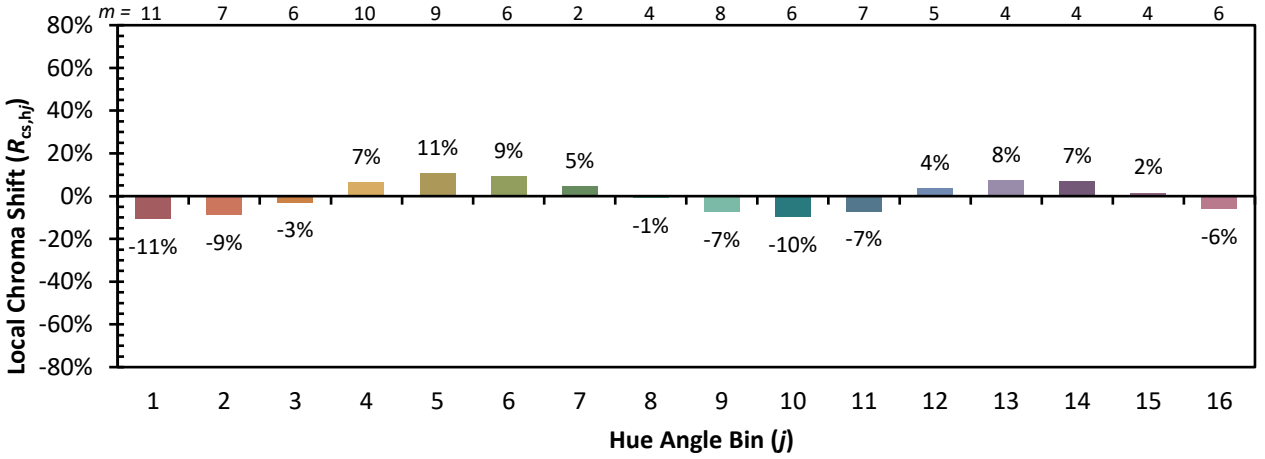
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CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
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CES25 = 72	CES50 = 89	CES75 = 74	

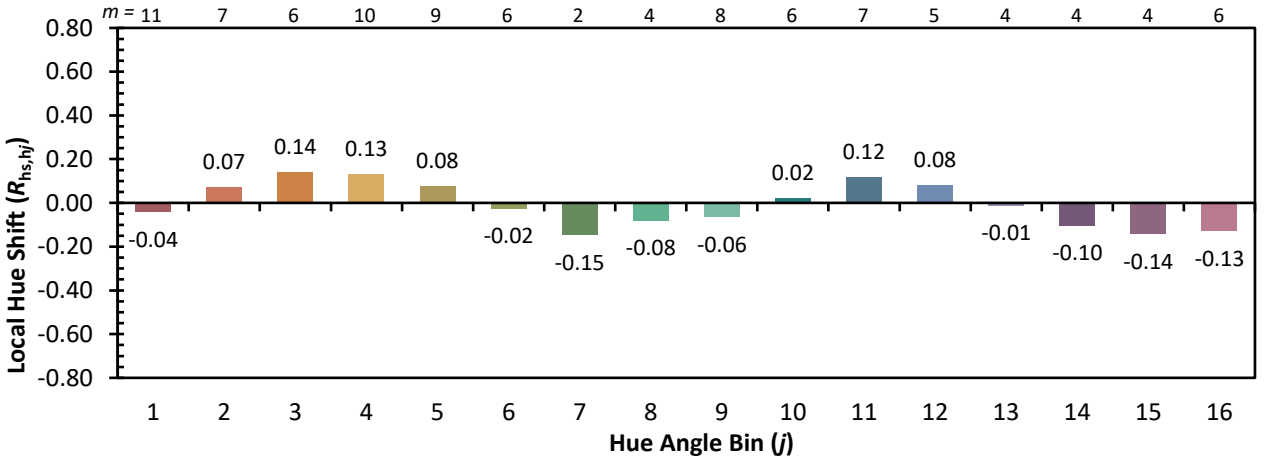


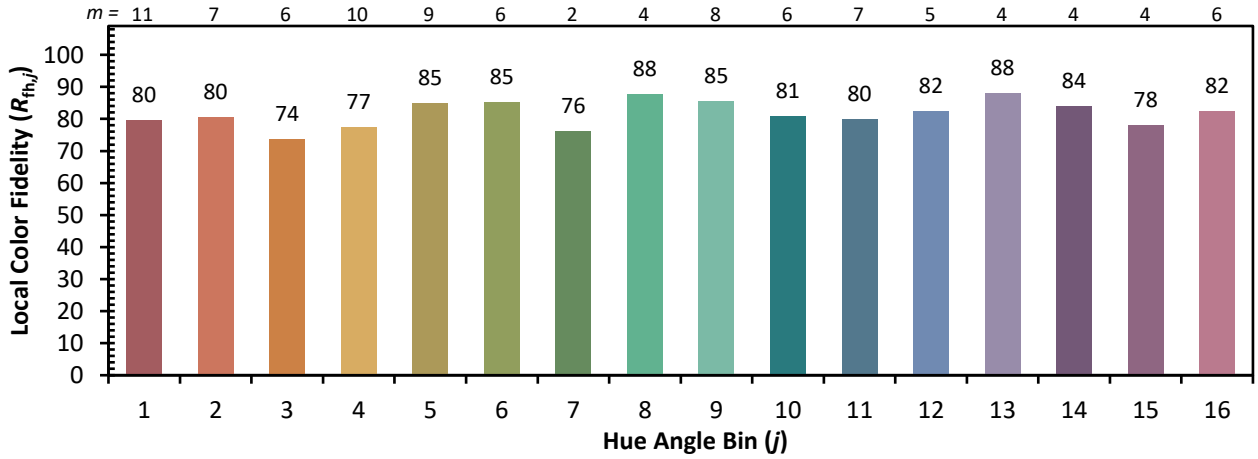
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Color Rendition by Hue-Angle Bin



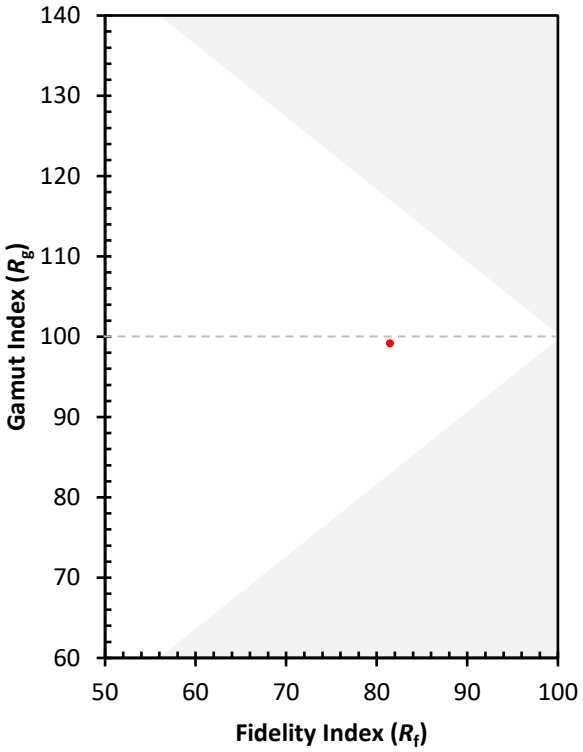


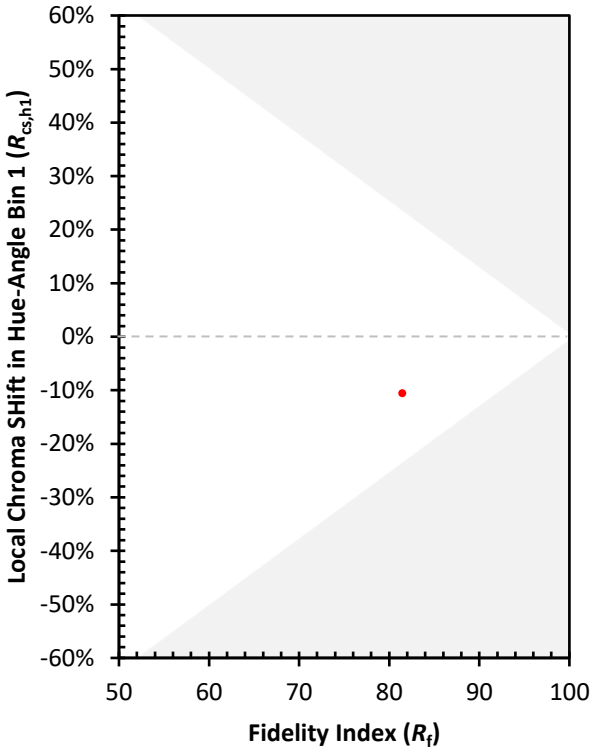


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Measure Comparisons





(END OF REPORT)