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: P1501951

Luminaire Tested: GSS-SB1C-840-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:	P1501951
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-840-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 4000K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 4000K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5249.2 lumens
Efficiency:	N/A
Efficacy:	100.9 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

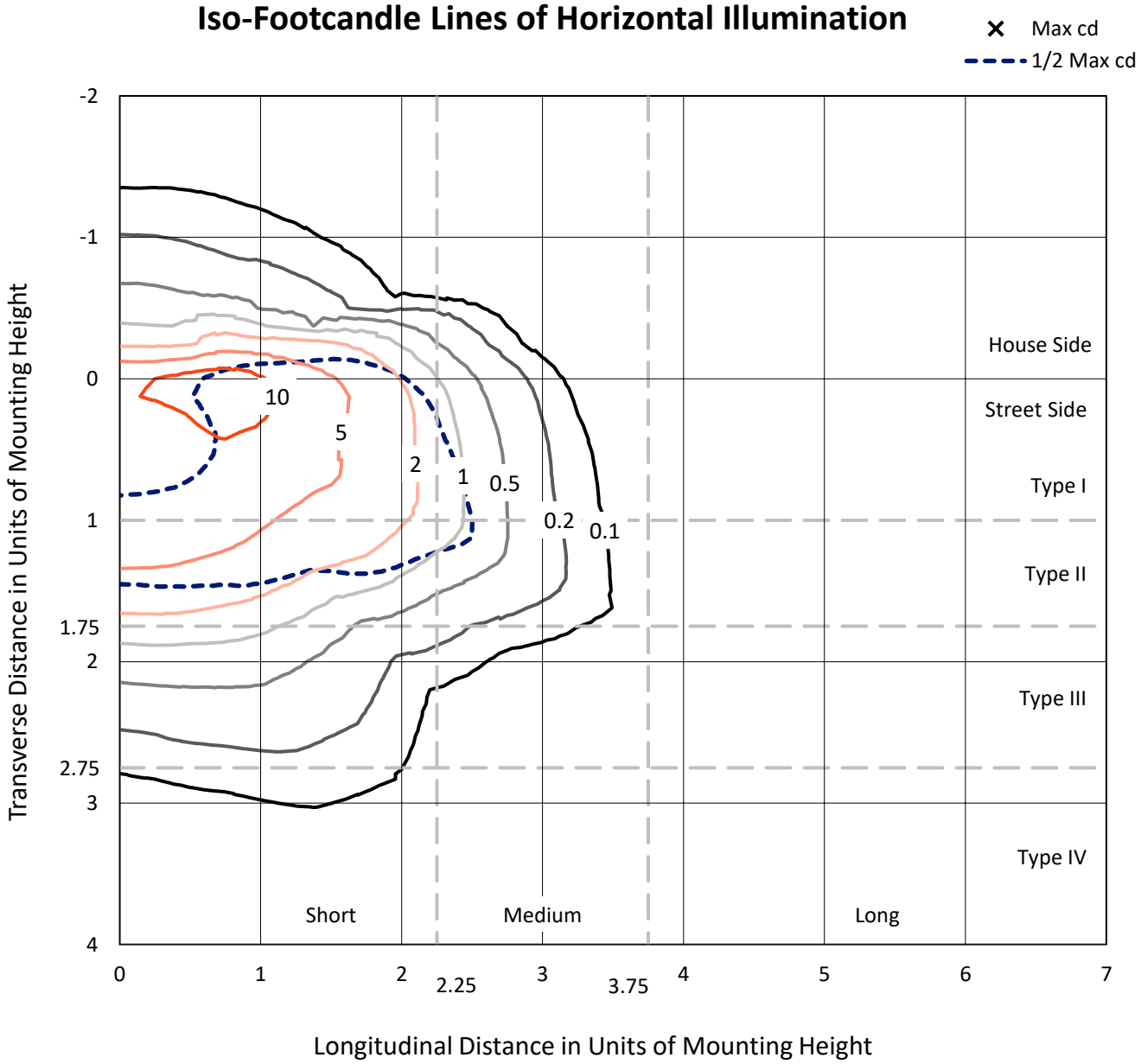
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



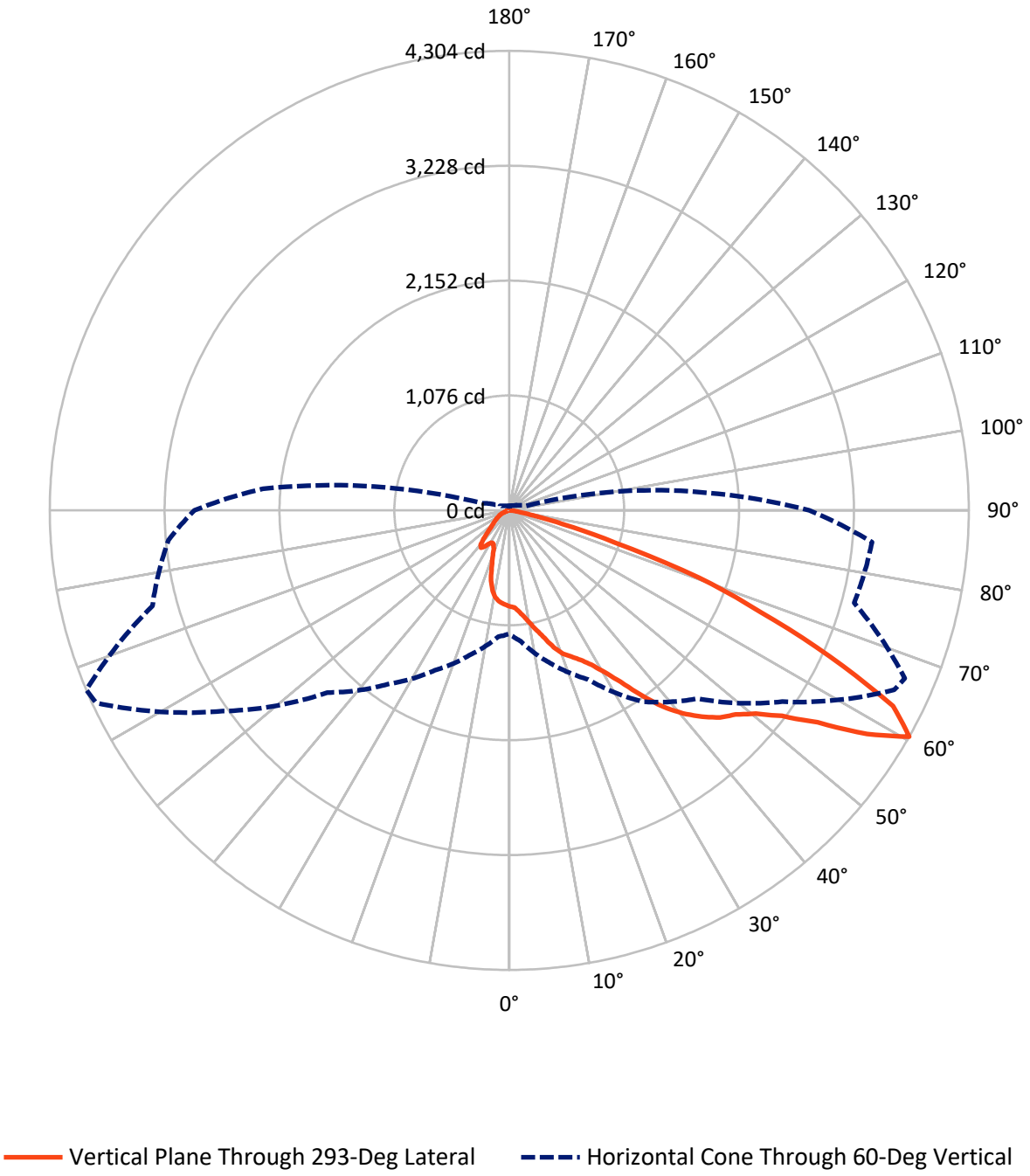
Based on 10 foot mounting height. Maximum calculated value = 15 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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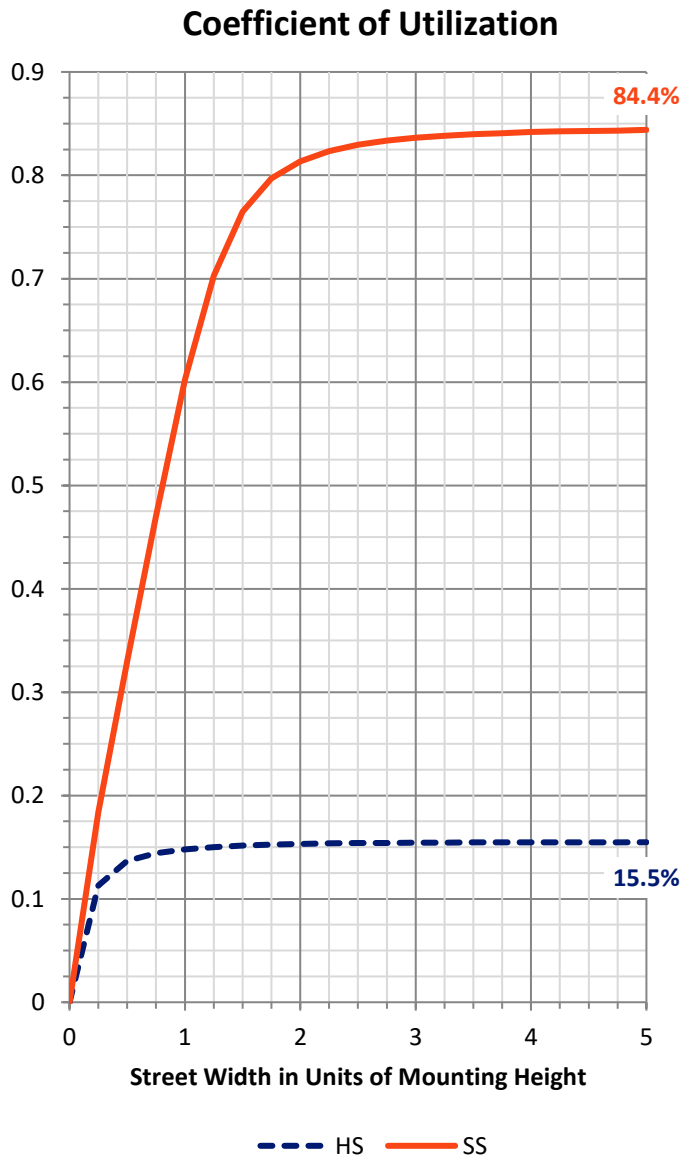
REPORT NUMBER: P1501951
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	819.0	0.0	819.0
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	4430.2	0.0	4430.2
	% Fixture	84.4	0.0	84.4
Total	Lumens	5249.2	0.0	5249.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.6
10°-20°	205.2	3.9
20°-30°	383.0	7.3
30°-40°	759.5	14.5
40°-50°	1211.0	23.1
50°-60°	1446.8	27.6
60°-70°	948.5	18.1
70°-80°	198.7	3.8
80°-90°	15.0	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°	5249.2	100.0
0°-180°	5249.2	100.0



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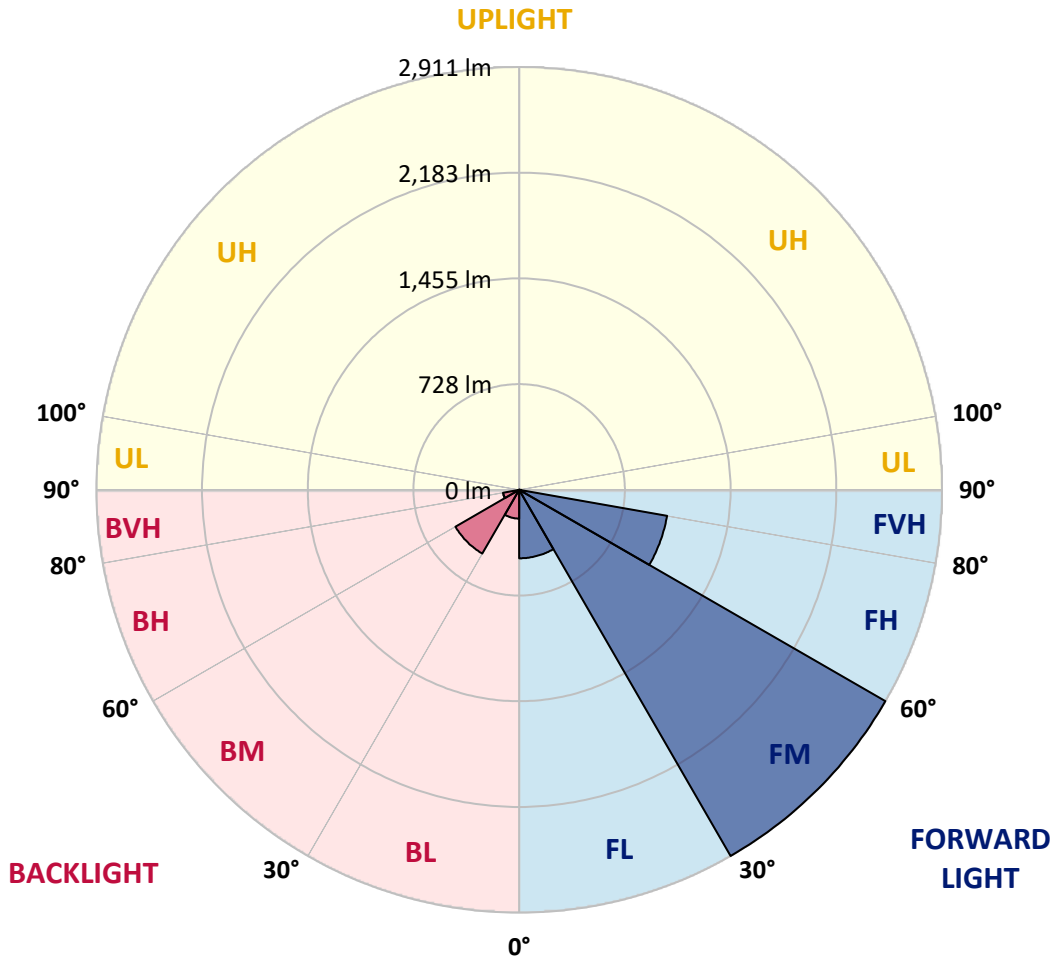
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	471.5	9.0			
FM	(30°-60°)	2910.9	55.5			
FH	(60°-80°)	1034.1	19.7			G1/1800
FVH	(80°-90°)	13.8	0.3			G1/100
BL	(0°-30°)	198.1	3.8	B1/500		
BM	(30°-60°)	506.5	9.6	B1/1000		
BH	(60°-80°)	113.1	2.2	B1/500		G1/500
BVH	(80°-90°)	1.3	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°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	945.2	942.3	937.9	939.4	937.9	932.0	923.2	915.8	921.7	912.9	907.0
5°	973.2	973.2	970.2	970.2	971.7	968.8	962.9	952.6	954.1	946.7	927.6
7.5°	973.2	968.8	976.1	983.5	996.7	1004.0	1007.0	1001.1	1004.0	989.3	964.3
10°	915.8	912.9	932.0	959.9	998.2	1032.0	1054.0	1055.5	1059.9	1045.2	1015.8
12.5°	793.8	787.9	826.2	879.1	957.0	1034.9	1096.6	1120.2	1130.5	1124.6	1083.4
15°	680.6	688.0	714.4	771.8	876.1	995.2	1120.2	1198.1	1212.8	1220.1	1171.6
17.5°	668.9	670.3	679.2	707.1	786.5	930.5	1123.1	1278.9	1299.5	1331.9	1265.7
20°	701.2	698.3	707.1	715.9	754.1	873.2	1095.2	1356.8	1396.5	1465.6	1393.6
22.5°	761.5	761.5	765.9	771.8	790.9	868.8	1083.4	1428.9	1496.5	1637.6	1553.8
25°	862.9	851.2	854.1	846.7	862.9	921.7	1109.9	1486.2	1578.8	1828.7	1744.9
27.5°	1020.2	1024.6	998.2	958.5	967.3	1017.3	1174.6	1550.9	1664.1	2027.2	1939.0
30°	1237.8	1230.4	1214.3	1136.3	1101.1	1145.2	1293.6	1656.7	1778.7	2278.6	2197.7
32.5°	1408.3	1428.9	1400.9	1346.6	1292.2	1305.4	1461.2	1827.3	1918.4	2509.4	2465.3
35°	1614.1	1614.1	1620.0	1543.5	1506.8	1503.9	1671.4	2012.5	2103.6	2718.1	2749.0
37.5°	1891.9	1872.8	1840.5	1755.2	1727.3	1764.0	1868.4	2203.6	2302.1	2887.2	2969.5
40°	2125.7	2138.9	2134.5	2011.0	1956.6	1996.3	2088.9	2366.8	2443.2	2995.9	3147.4
42.5°	2355.0	2362.4	2343.2	2284.4	2205.1	2208.0	2284.4	2490.2	2568.2	3100.3	3314.9
45°	2527.0	2525.5	2512.3	2497.6	2450.6	2402.0	2415.3	2627.0	2694.6	3134.1	3406.1
47.5°	2581.4	2593.2	2604.9	2646.1	2678.4	2602.0	2534.3	2700.5	2762.2	3128.2	3439.9
50°	2531.4	2556.4	2613.7	2675.5	2785.7	2779.8	2634.3	2779.8	2840.1	3160.6	3479.6
52.5°	2419.7	2444.7	2521.1	2632.8	2799.0	2881.3	2819.5	2913.6	2984.2	3242.9	3561.9
55°	2159.5	2169.8	2327.1	2474.1	2732.8	2837.2	3018.0	3140.0	3198.8	3342.9	3670.7
57.5°	1758.2	1783.2	1937.5	2177.1	2547.6	2721.0	3131.2	3526.6	3525.2	3438.4	3694.2
60°	*1156.9*	*1230.4*	*1481.8*	*1746.4*	*2188.9*	*2493.2*	*3123.8*	*3979.4*	*4025.0*	*3344.3*	*3410.5*
62.5°	883.5	914.4	1057.0	1277.5	1620.0	2066.9	3075.3	4114.6	4149.9	3091.5	2985.7
65°	664.5	702.7	839.4	1036.4	1143.7	1400.9	2757.8	3576.6	3625.1	2759.3	2321.2
67.5°	407.2	438.1	620.4	851.2	865.9	870.3	1861.1	2709.3	2726.9	2225.6	1562.7
70°	272.0	302.8	429.3	654.2	689.4	501.3	1021.7	2050.7	2049.2	1523.0	949.6
72.5°	157.3	172.0	272.0	482.2	542.4	319.0	510.1	1303.9	1246.6	715.9	444.0
75°	89.7	100.0	149.9	310.2	380.7	202.9	201.4	698.3	617.4	369.0	242.6
77.5°	54.4	58.8	82.3	202.9	229.3	136.7	111.7	324.9	313.1	216.1	127.9
80°	26.5	30.9	50.0	119.1	147.0	73.5	67.6	127.9	136.7	119.1	67.6
82.5°	8.8	11.8	27.9	45.6	95.6	29.4	27.9	70.6	75.0	70.6	32.3
85°	4.4	5.9	13.2	14.7	36.8	14.7	10.3	30.9	38.2	23.5	13.2
87.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	2.9	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	902.6	899.7	893.8	883.5	882.0	874.7	862.9	855.6	849.7	854.1	855.6
5°	918.8	911.4	893.8	865.9	836.5	807.1	779.1	746.8	724.7	721.8	715.9
7.5°	948.2	933.5	895.3	840.9	765.9	695.3	613.0	533.6	493.9	488.1	474.8
10°	995.2	970.2	907.0	796.8	652.7	505.7	380.7	295.5	247.0	238.1	241.1
12.5°	1051.1	1015.8	908.5	721.8	496.9	313.1	216.1	183.8	173.5	169.1	169.1
15°	1123.1	1071.7	907.0	624.8	335.2	201.4	173.5	160.2	155.8	152.9	152.9
17.5°	1214.3	1146.6	896.7	479.2	226.4	174.9	158.8	148.5	142.6	141.1	141.1
20°	1321.6	1230.4	873.2	357.2	189.6	163.2	149.9	136.7	132.3	129.4	129.4
22.5°	1458.3	1331.9	827.6	277.8	179.3	155.8	141.1	126.4	122.0	119.1	119.1
25°	1617.0	1461.2	767.4	249.9	177.9	149.9	132.3	117.6	113.2	111.7	110.3
27.5°	1805.2	1599.4	711.5	251.4	180.8	145.5	123.5	110.3	105.8	101.4	102.9
30°	2027.2	1742.0	665.9	269.0	183.8	141.1	117.6	105.8	101.4	95.6	95.6
32.5°	2246.2	1909.6	661.5	301.4	194.0	138.2	111.7	100.0	95.6	91.1	91.1
35°	2471.1	2062.5	686.5	344.0	214.6	133.8	104.4	94.1	89.7	86.7	85.3
37.5°	2685.8	2184.5	710.0	370.5	202.9	114.7	95.6	86.7	82.3	76.4	76.4
40°	2828.4	2250.6	714.4	349.9	167.6	102.9	86.7	77.9	72.0	69.1	67.6
42.5°	2932.7	2293.3	664.5	283.7	145.5	94.1	79.4	70.6	66.2	63.2	63.2
45°	2975.4	2278.6	579.2	216.1	133.8	86.7	72.0	64.7	61.7	58.8	58.8
47.5°	2969.5	2210.9	492.5	173.5	122.0	79.4	67.6	61.7	58.8	55.9	54.4
50°	2959.2	2147.7	404.3	154.4	108.8	75.0	63.2	58.8	54.4	51.5	50.0
52.5°	3026.8	2127.1	335.2	141.1	101.4	72.0	61.7	55.9	51.5	48.5	48.5
55°	3094.4	2136.0	263.1	132.3	94.1	70.6	60.3	54.4	50.0	45.6	45.6
57.5°	3090.0	2097.7	199.9	123.5	88.2	69.1	58.8	52.9	45.6	42.6	42.6
60°	*2809.2*	*1871.4*	*155.8*	*113.2*	*80.9*	*64.7*	*54.4*	*50.0*	*42.6*	*38.2*	*38.2*
62.5°	2375.6	1471.5	127.9	100.0	72.0	58.8	50.0	45.6	38.2	30.9	30.9
65°	1755.2	1061.4	102.9	86.7	66.2	51.5	45.6	39.7	30.9	25.0	23.5
67.5°	1187.8	652.7	82.3	72.0	58.8	44.1	38.2	33.8	27.9	20.6	19.1
70°	704.1	346.9	60.3	50.0	44.1	32.3	32.3	29.4	23.5	17.6	16.2
72.5°	335.2	120.5	44.1	36.8	33.8	23.5	25.0	25.0	19.1	13.2	11.8
75°	170.5	58.8	29.4	26.5	22.1	17.6	20.6	19.1	13.2	8.8	8.8
77.5°	97.0	41.2	20.6	17.6	14.7	11.8	13.2	11.8	7.4	4.4	4.4
80°	54.4	29.4	13.2	11.8	8.8	7.4	7.4	5.9	4.4	1.5	1.5
82.5°	20.6	17.6	8.8	5.9	4.4	4.4	2.9	2.9	1.5	0.0	0.0
85°	8.8	4.4	4.4	2.9	2.9	1.5	1.5	1.5	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	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°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	843.8	846.7	849.7	861.4	864.4	873.2	880.6	889.4	890.8	902.6	902.6
5°	727.7	726.2	751.2	787.9	811.5	843.8	868.8	895.3	910.0	929.1	937.9
7.5°	482.2	518.9	574.8	639.5	723.3	801.2	860.0	911.4	946.7	968.8	977.6
10°	239.6	260.2	319.0	424.8	567.4	726.2	851.2	946.7	1004.0	1029.0	1045.2
12.5°	169.1	173.5	183.8	241.1	377.8	602.7	823.2	984.9	1064.3	1111.4	1131.9
15°	151.4	154.4	158.8	174.9	233.7	449.8	773.2	1027.6	1158.4	1212.8	1239.2
17.5°	139.7	141.1	145.5	158.8	183.8	305.8	692.4	1073.1	1271.6	1337.7	1387.7
20°	129.4	129.4	133.8	149.9	170.5	235.2	576.3	1124.6	1415.6	1511.2	1561.2
22.5°	117.6	120.5	123.5	141.1	166.1	214.6	467.5	1164.3	1575.9	1692.0	1750.8
25°	108.8	111.7	114.7	132.3	161.7	214.6	404.3	1189.3	1755.2	1893.4	1974.3
27.5°	101.4	104.4	108.8	126.4	157.3	223.4	379.3	1196.6	1950.7	2130.1	2238.9
30°	95.6	98.5	102.9	122.0	160.2	233.7	388.1	1186.3	2149.2	2374.1	2503.5
32.5°	89.7	92.6	97.0	117.6	160.2	247.0	417.5	1165.7	2341.8	2618.1	2776.9
35°	85.3	86.7	88.2	105.8	145.5	245.5	454.2	1145.2	2535.8	2859.2	3044.5
37.5°	76.4	77.9	80.9	91.1	116.1	223.4	461.6	1120.2	2688.7	3062.1	3266.4
40°	67.6	70.6	73.5	83.8	97.0	180.8	429.3	1067.2	2769.6	3217.9	3466.4
42.5°	61.7	63.2	66.2	76.4	89.7	144.1	360.2	974.6	2841.6	3323.8	3611.9
45°	57.3	58.8	61.7	69.1	83.8	125.0	283.7	861.4	2847.5	3357.6	3682.4
47.5°	52.9	54.4	55.9	63.2	80.9	111.7	217.6	758.5	2846.0	3401.7	3742.7
50°	50.0	51.5	54.4	60.3	76.4	100.0	179.3	674.7	2907.7	3497.2	3864.7
52.5°	48.5	48.5	52.9	58.8	72.0	91.1	149.9	599.8	2940.1	3591.3	3952.9
55°	45.6	47.0	50.0	55.9	67.6	86.7	127.9	505.7	2954.8	3638.3	3969.1
57.5°	42.6	44.1	48.5	52.9	64.7	82.3	110.3	377.8	2744.6	3392.9	3698.6
60°	*38.2*	*41.2*	*47.0*	*51.5*	*60.3*	*75.0*	*97.0*	*255.8*	*2315.3*	*2948.9*	*3204.7*
62.5°	30.9	36.8	42.6	45.6	54.4	63.2	82.3	170.5	1849.3	2440.3	2731.3
65°	23.5	30.9	35.3	39.7	45.6	52.9	69.1	116.1	1233.4	1642.0	1969.9
67.5°	20.6	26.5	29.4	32.3	38.2	45.6	55.9	80.9	748.3	986.4	1309.8
70°	16.2	22.1	25.0	23.5	29.4	35.3	39.7	54.4	382.2	535.1	745.3
72.5°	11.8	17.6	19.1	19.1	17.6	25.0	29.4	38.2	166.1	260.2	338.1
75°	8.8	11.8	13.2	11.8	10.3	16.2	20.6	25.0	108.8	155.8	197.0
77.5°	4.4	4.4	7.4	7.4	4.4	8.8	10.3	14.7	61.7	91.1	113.2
80°	1.5	0.0	0.0	1.5	0.0	2.9	4.4	7.4	32.3	48.5	70.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	16.2	14.7	36.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	8.8
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: P1501951
CATALOG NUMBER: GSS-SB1C-840-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	899.7	*899.7*	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7
2.5°	910.0	*910.0*	915.8	924.7	929.1	932.0	933.5	936.4	948.2	945.2
5°	948.2	*951.1*	955.5	964.3	974.6	971.7	971.7	971.7	979.0	973.2
7.5°	998.2	*1007.0*	1008.4	1018.7	1011.4	996.7	987.9	974.6	973.2	973.2
10°	1079.0	*1076.1*	1076.1	1062.8	1036.4	993.7	955.5	929.1	914.4	915.8
12.5°	1165.7	*1154.0*	1155.5	1106.9	1032.0	937.9	860.0	802.6	798.2	793.8
15°	1273.1	*1242.2*	1236.3	1124.6	965.8	821.8	745.3	699.7	685.0	680.6
17.5°	1425.9	*1348.0*	1320.1	1093.7	879.1	749.7	692.4	671.8	670.3	668.9
20°	1587.6	*1433.3*	1380.4	1048.1	849.7	751.2	708.6	702.7	699.7	701.2
22.5°	1775.8	*1487.7*	1420.1	1055.5	876.1	799.7	765.9	761.5	758.5	761.5
25°	1969.9	*1550.9*	1467.1	1114.3	955.5	889.4	849.7	840.9	849.7	862.9
27.5°	2165.4	*1636.2*	1559.7	1230.4	1083.4	1011.4	973.2	1005.5	1018.7	1020.2
30°	2338.8	*1755.2*	1684.7	1393.6	1229.0	1156.9	1164.3	1205.4	1221.6	1237.8
32.5°	2497.6	*1914.0*	1859.6	1578.8	1417.1	1374.5	1370.1	1400.9	1418.6	1408.3
35°	2657.8	*2121.3*	2068.3	1780.2	1647.9	1612.6	1575.9	1636.2	1630.3	1614.1
37.5°	2809.2	*2330.0*	2281.5	1996.3	1859.6	1797.9	1792.0	1846.4	1894.9	1891.9
40°	2918.0	*2499.1*	2440.3	2210.9	2081.6	2028.7	2059.5	2153.6	2141.8	2125.7
42.5°	3018.0	*2643.1*	2590.2	2399.1	2263.9	2287.4	2315.3	2378.5	2371.2	2355.0
45°	3065.0	*2766.6*	2721.0	2541.7	2475.5	2550.5	2549.0	2572.6	2532.9	2527.0
47.5°	3131.2	*2854.8*	2807.8	2669.6	2728.4	2759.3	2672.5	2647.5	2610.8	2581.4
50°	3253.2	*2991.5*	2944.5	2863.6	2913.6	2818.1	2712.2	2657.8	2582.9	2531.4
52.5°	3395.8	*3198.8*	3157.6	3125.3	2985.7	2788.7	2653.4	2554.9	2463.8	2419.7
55°	3575.1	*3504.6*	3475.2	3297.3	2921.0	2668.1	2509.4	2325.6	2200.6	2159.5
57.5°	3633.9	*3952.9*	3942.6	3325.2	2740.2	2449.1	2162.4	1914.0	1784.6	1758.2
60°	*3460.5*	*4304.3*	*4267.5*	*3278.2*	*2412.3*	*1987.5*	*1652.3*	*1398.0*	*1187.8*	*1156.9*
62.5°	3238.5	*4035.3*	4022.0	3041.5	1837.5	1424.5	1234.8	996.7	907.0	883.5
65°	2774.0	*3301.7*	3307.6	2440.3	1162.8	1023.1	1014.3	792.4	682.1	664.5
67.5°	2136.0	*2532.9*	2491.7	1534.7	677.7	818.8	810.0	579.2	419.0	407.2
70°	1248.1	*1886.1*	1819.9	798.2	448.4	683.6	623.3	407.2	285.2	272.0
72.5°	551.3	*1037.8*	1114.3	351.3	316.1	543.9	449.8	249.9	160.2	157.3
75°	305.8	*514.5*	538.0	152.9	222.0	386.6	272.0	139.7	91.1	89.7
77.5°	183.8	*227.9*	222.0	98.5	166.1	247.0	164.6	79.4	57.3	54.4
80°	102.9	*104.4*	88.2	72.0	98.5	138.2	92.6	50.0	26.5	26.5
82.5°	63.2	*57.3*	45.6	22.1	26.5	83.8	33.8	27.9	8.8	8.8
85°	26.5	*17.6*	11.8	4.4	10.3	22.1	11.8	13.2	4.4	4.4
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: SP1-2407-184-11

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-840-U-5WQ

Data in this report applies to families of products including GSS-SB1A-840-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

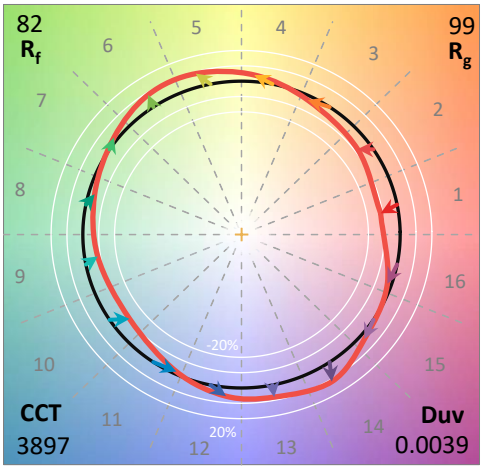
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-11
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-840-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3897
CIE u':	0.2249
CIE v':	0.5084
Duv:	0.0039
CIE x:	0.3882
CIE y:	0.3900
CIE z:	0.2218
Peak Wavelength (nm):	445
Dominant Wavelength (nm):	577
Purity:	33.54925
Rf:	81.8
Rg:	98.6

CRI (Ra):	80.2
R1:	78.9
R2:	83.5
R3:	88.3
R4:	82.1
R5:	78.8
R6:	78.4
R7:	85.8
R8:	65.8
R9:	6.7
R10:	61.9
R11:	81.9
R12:	58.9
R13:	79.2
R14:	93.2
R15:	71.9



Test Conditions

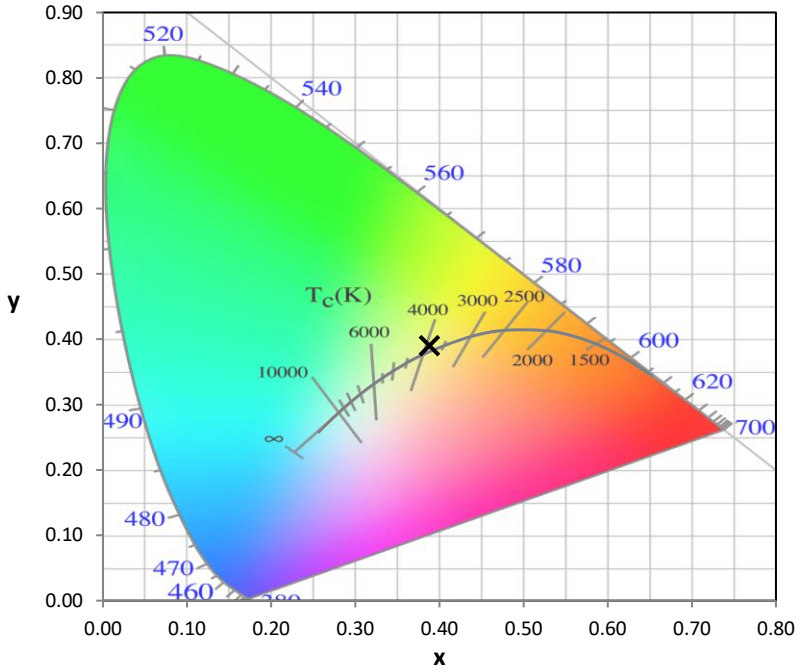
Stabilization Time:	24M
Operation Time:	1H 24M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-11

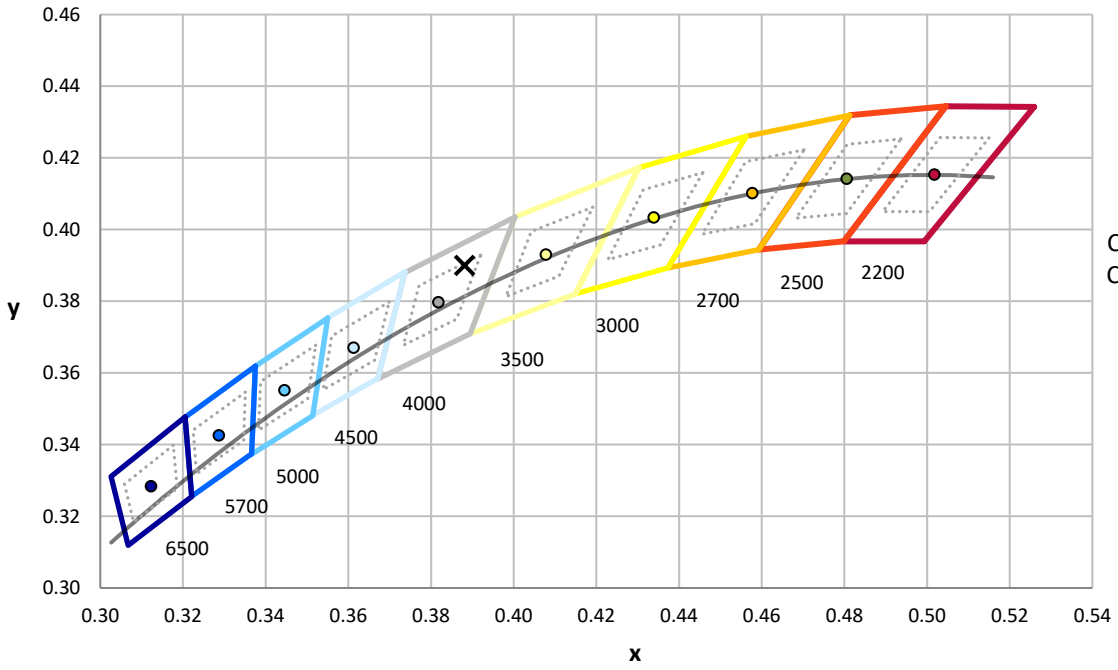
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-11

CIE 1931 Chromaticity Diagram



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

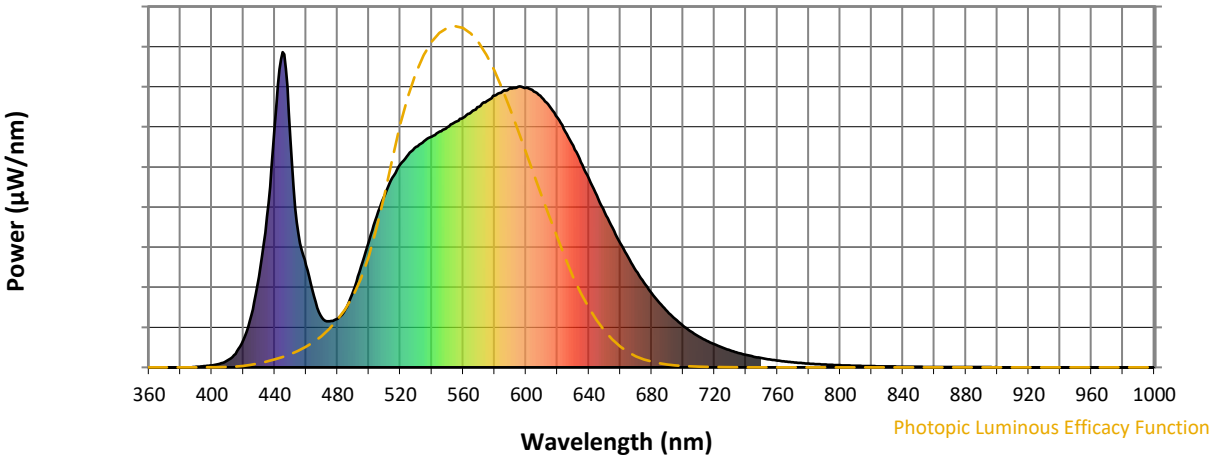


CCT = 3897K
CIE x = 0.3882
CIE y = 0.3900
Duv = 0.0039

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-11

Photopic Flux vs. Wavelength

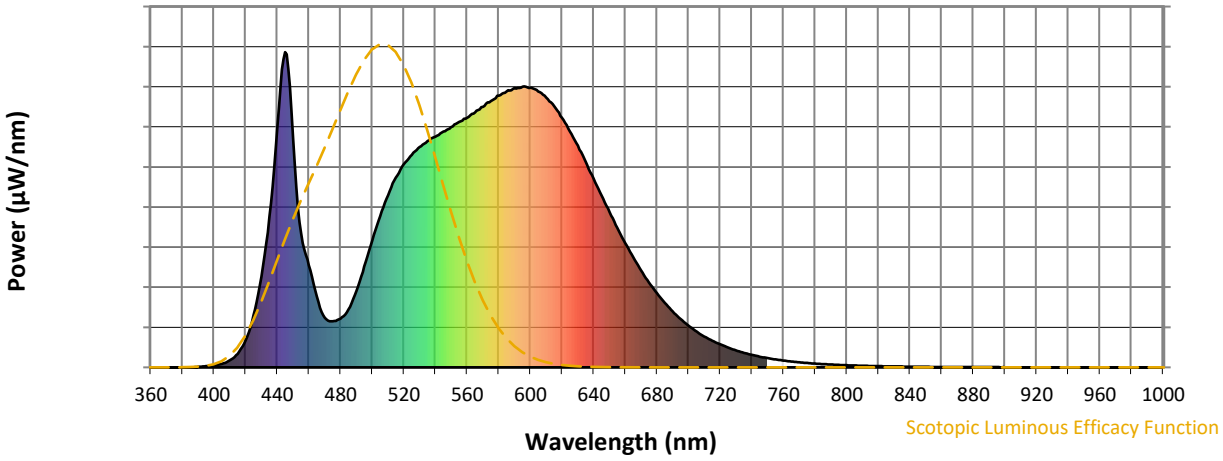


Photopic Lumens: NR

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Scotopic Flux vs. Wavelength

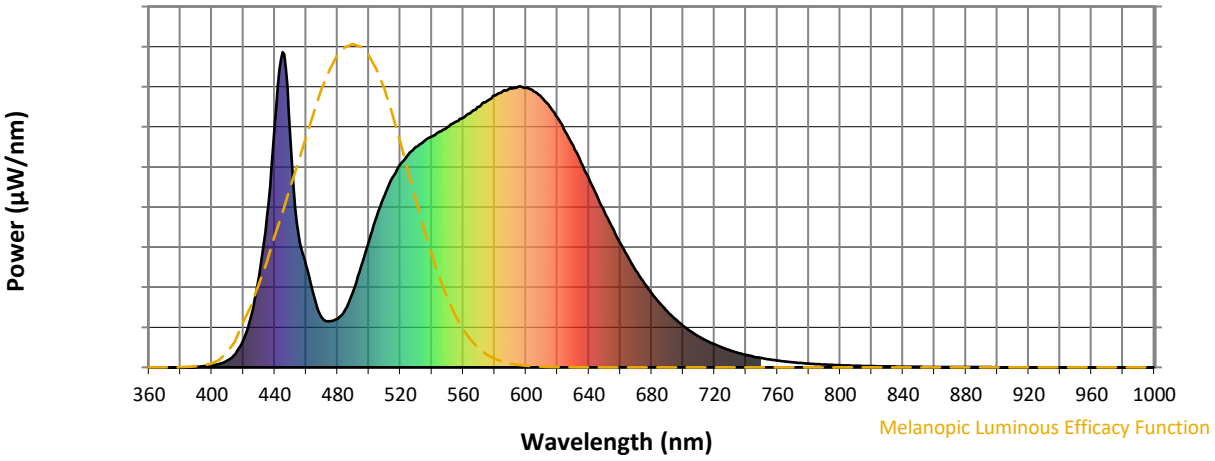


Scotopic Lumens: NR **S/P: 1.57**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-11

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 3.06**

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	242	NR	620	792	NR	750	29	NR	880	1	NR
365	0	NR	495	320	NR	625	748	NR	755	25	NR	885	1	NR
370	0	NR	500	401	NR	630	703	NR	760	22	NR	890	1	NR
375	0	NR	505	479	NR	635	651	NR	765	19	NR	895	1	NR
380	0	NR	510	546	NR	640	599	NR	770	16	NR	900	1	NR
385	0	NR	515	602	NR	645	545	NR	775	14	NR	905	0	NR
390	2	NR	520	645	NR	650	493	NR	780	12	NR	910	0	NR
395	4	NR	525	674	NR	655	443	NR	785	10	NR	915	0	NR
400	6	NR	530	699	NR	660	394	NR	790	9	NR	920	0	NR
405	11	NR	535	718	NR	665	349	NR	795	8	NR	925	0	NR
410	22	NR	540	732	NR	670	307	NR	800	7	NR	930	0	NR
415	43	NR	545	749	NR	675	269	NR	805	6	NR	935	0	NR
420	86	NR	550	762	NR	680	235	NR	810	5	NR	940	0	NR
425	164	NR	555	778	NR	685	204	NR	815	5	NR	945	0	NR
430	288	NR	560	792	NR	690	178	NR	820	4	NR	950	0	NR
435	478	NR	565	809	NR	695	153	NR	825	3	NR	955	0	NR
440	766	NR	570	827	NR	700	132	NR	830	3	NR	960	0	NR
445	1000	NR	575	845	NR	705	114	NR	835	3	NR	965	0	NR
450	726	NR	580	862	NR	710	98	NR	840	2	NR	970	0	NR
455	425	NR	585	875	NR	715	84	NR	845	2	NR	975	0	NR
460	324	NR	590	887	NR	720	73	NR	850	2	NR	980	0	NR
465	225	NR	595	890	NR	725	63	NR	855	1	NR	985	0	NR
470	157	NR	600	887	NR	730	54	NR	860	1	NR	990	0	NR
475	147	NR	605	875	NR	735	46	NR	865	1	NR	995	0	NR
480	154	NR	610	856	NR	740	40	NR	870	1	NR	1000	0	NR
485	184	NR	615	828	NR	745	34	NR	875	1	NR			

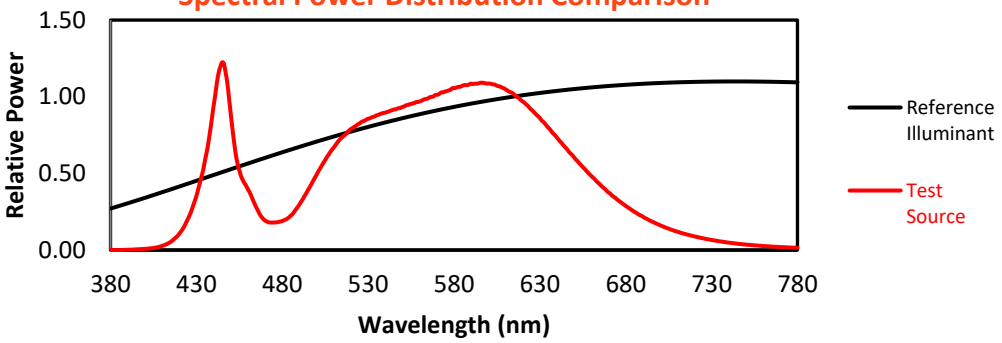
REPORT NUMBER: SP1-2407-184-11

TM-30-18

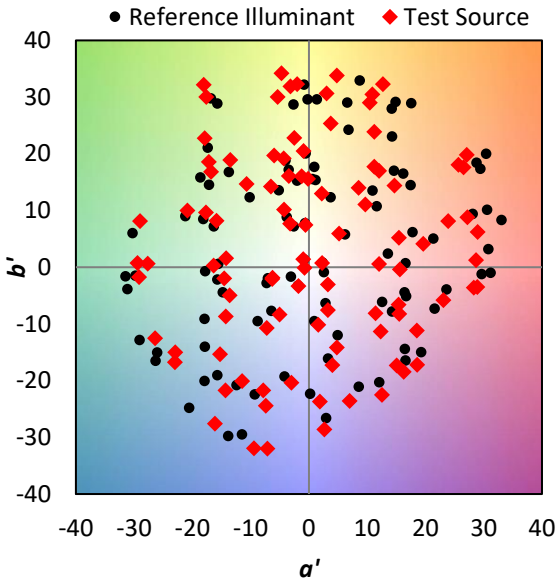
Summary

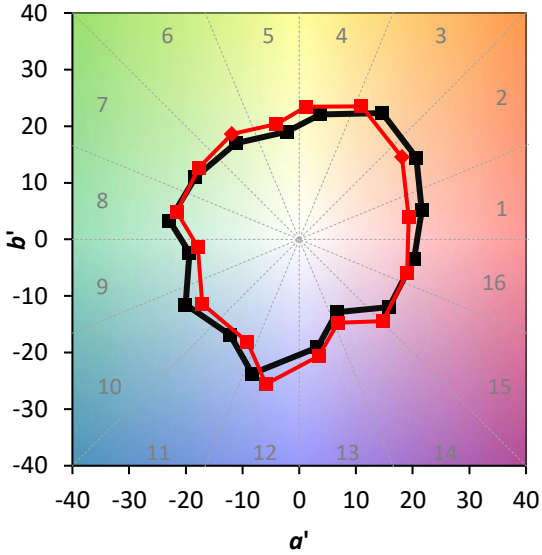
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R_g = 98.6
CIE R_a = 80.2
R_9 = 6.7

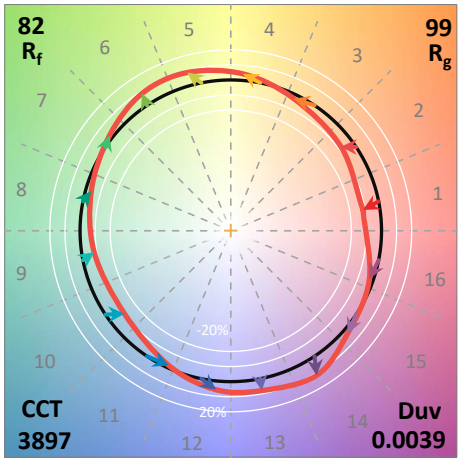
Spectral Power Distribution Comparison

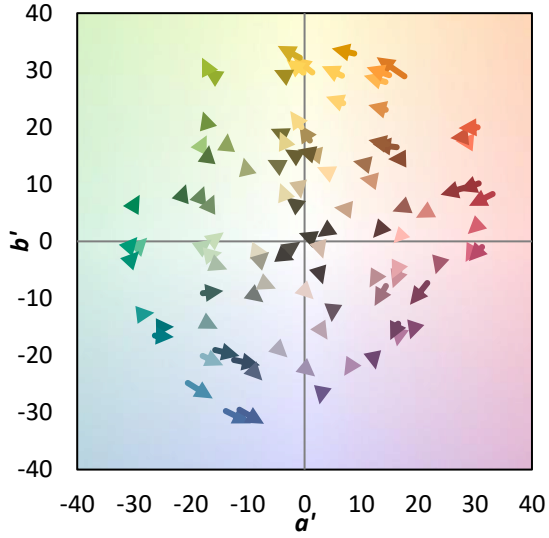


Color Vector Graphics







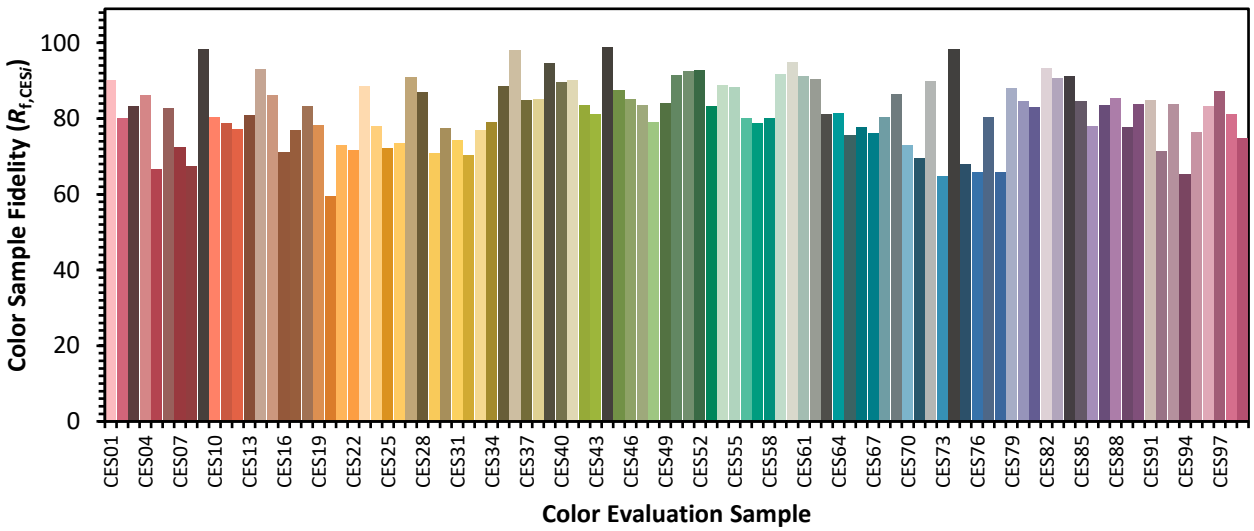


REPORT NUMBER: SP1-2407-184-11

TM-30-18

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

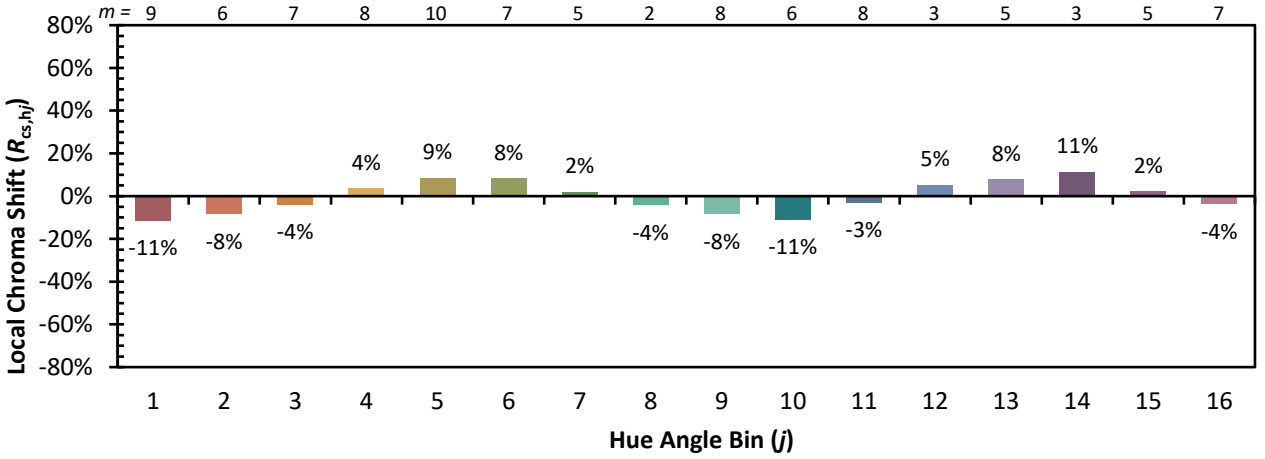
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CES02 = 61	CES27 = 91	CES52 = 93	CES77 = 80
CES03 = 31	CES28 = 87	CES53 = 83	CES78 = 66
CES04 = 69	CES29 = 71	CES54 = 89	CES79 = 88
CES05 = 48	CES30 = 77	CES55 = 88	CES80 = 85
CES06 = 50	CES31 = 74	CES56 = 80	CES81 = 83
CES07 = 41	CES32 = 70	CES57 = 79	CES82 = 93
CES08 = 40	CES33 = 77	CES58 = 80	CES83 = 91
CES09 = 29	CES34 = 79	CES59 = 92	CES84 = 91
CES10 = 74	CES35 = 88	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 91	CES86 = 78
CES12 = 63	CES37 = 85	CES62 = 90	CES87 = 84
CES13 = 42	CES38 = 85	CES63 = 81	CES88 = 85
CES14 = 74	CES39 = 95	CES64 = 81	CES89 = 78
CES15 = 71	CES40 = 90	CES65 = 76	CES90 = 84
CES16 = 47	CES41 = 90	CES66 = 78	CES91 = 85
CES17 = 49	CES42 = 84	CES67 = 76	CES92 = 71
CES18 = 56	CES43 = 81	CES68 = 80	CES93 = 84
CES19 = 71	CES44 = 99	CES69 = 86	CES94 = 65
CES20 = 65	CES45 = 87	CES70 = 73	CES95 = 77
CES21 = 86	CES46 = 85	CES71 = 70	CES96 = 83
CES22 = 78	CES47 = 84	CES72 = 90	CES97 = 87
CES23 = 91	CES48 = 79	CES73 = 65	CES98 = 81
CES24 = 90	CES49 = 84	CES74 = 98	CES99 = 75
CES25 = 71	CES50 = 91	CES75 = 68	

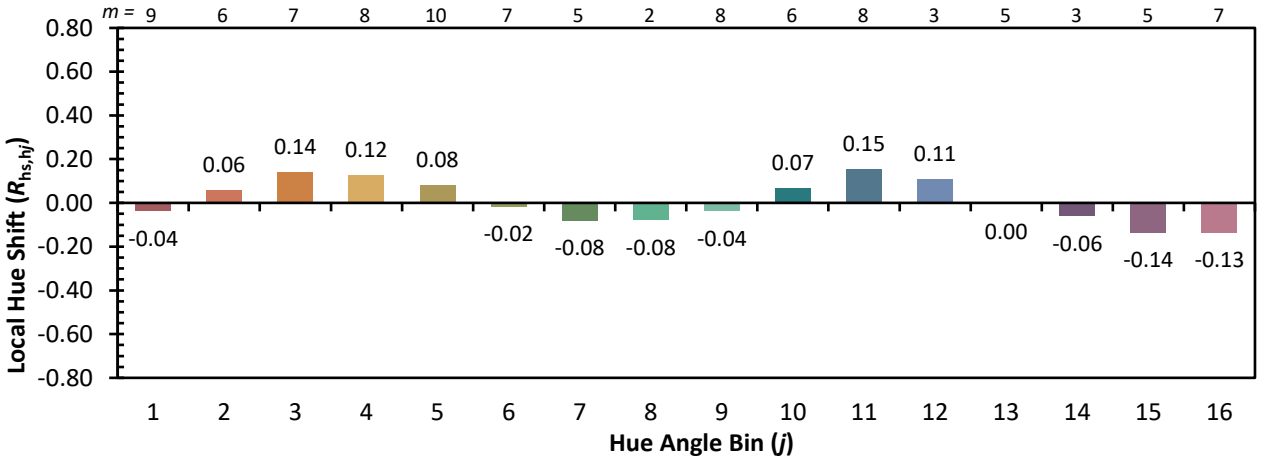


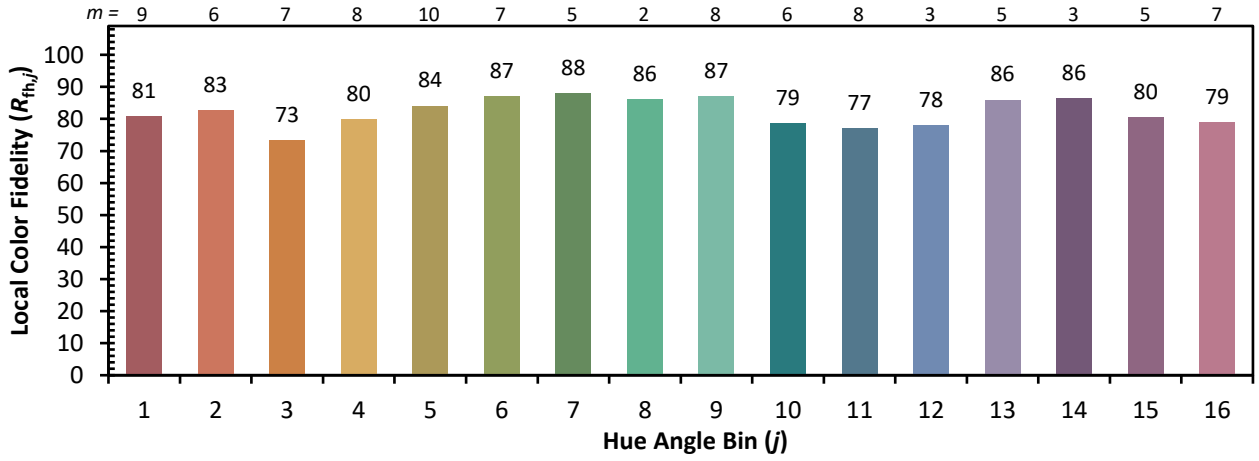
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Color Rendition by Hue-Angle Bin



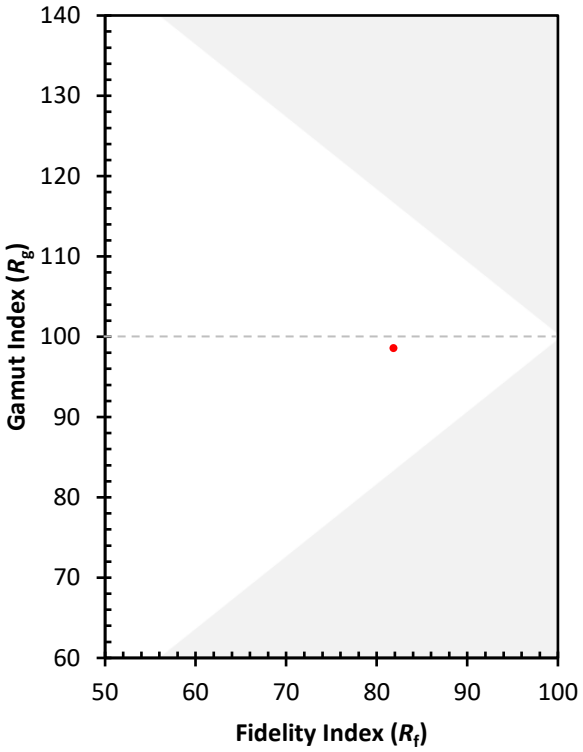


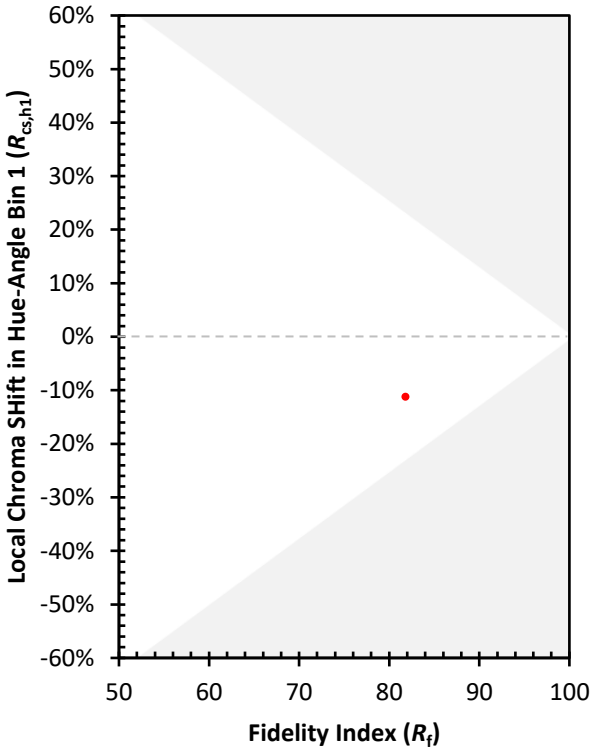


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Measure Comparisons





(END OF REPORT)