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: P1501879

Luminaire Tested: GSS-SB1C-827-U-T2LG-HSS

Issue Date: 07/20/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1501879
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4773.1 lumens
Efficiency:	N/A
Efficacy:	91.8 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

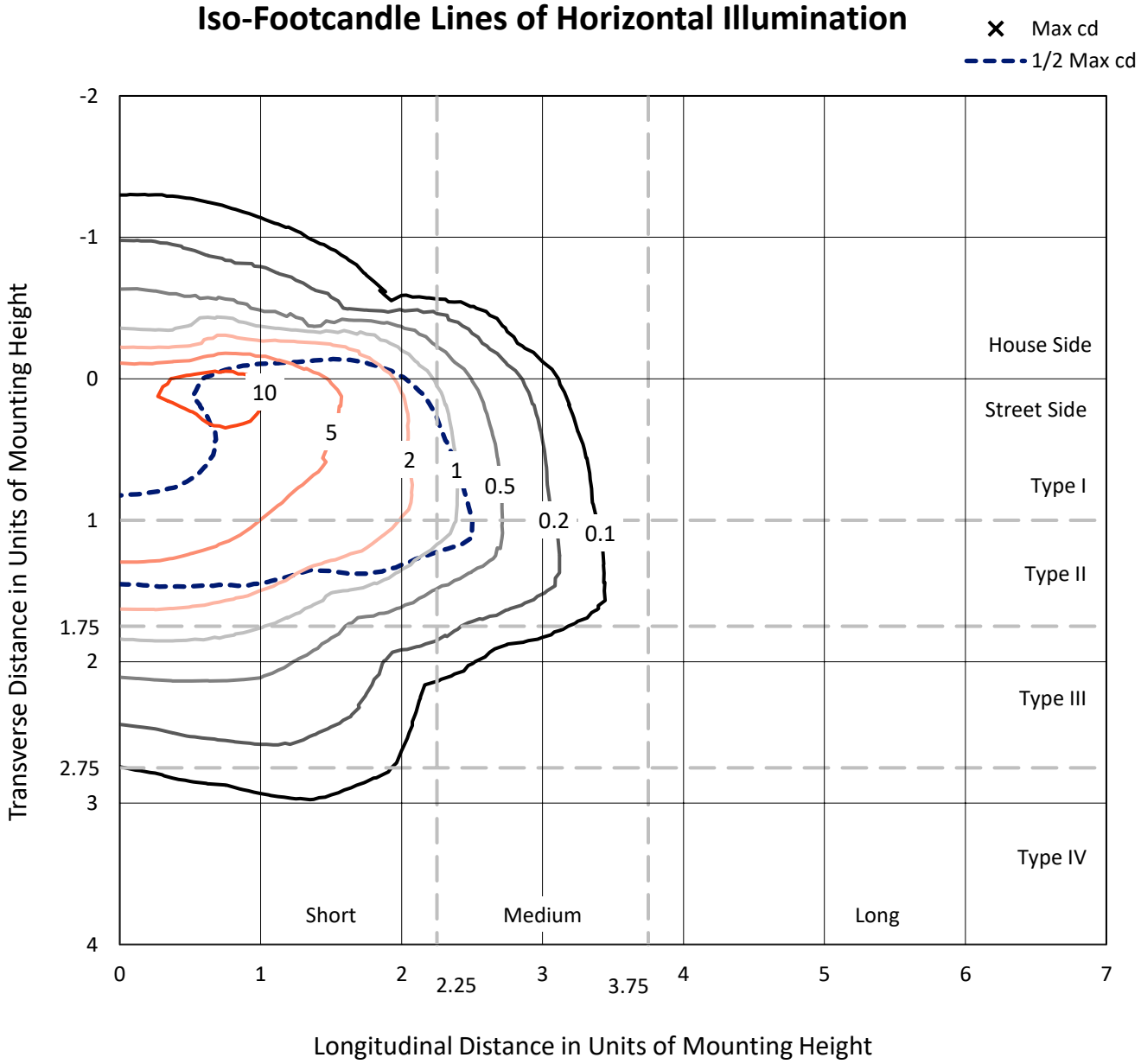
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



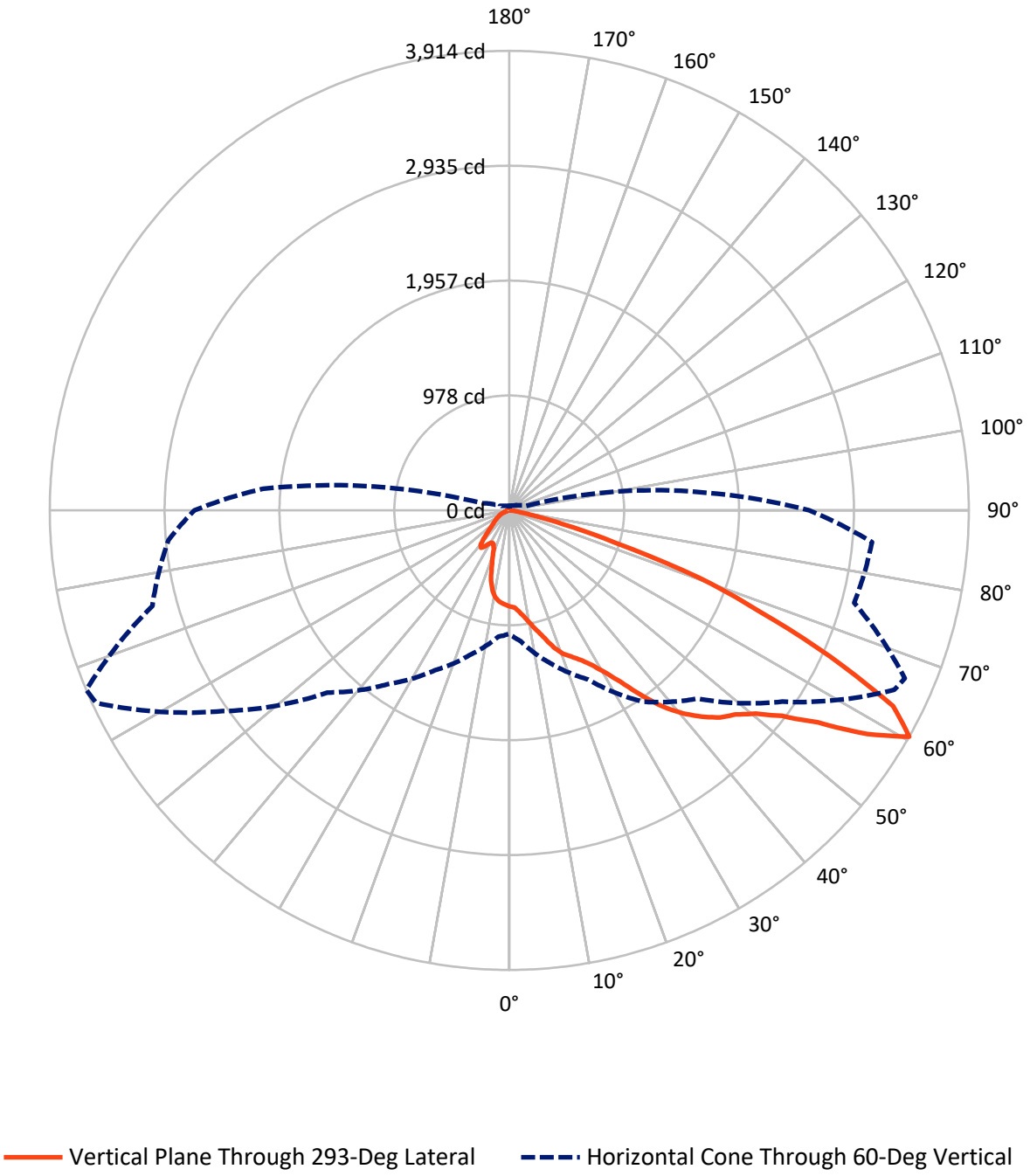
Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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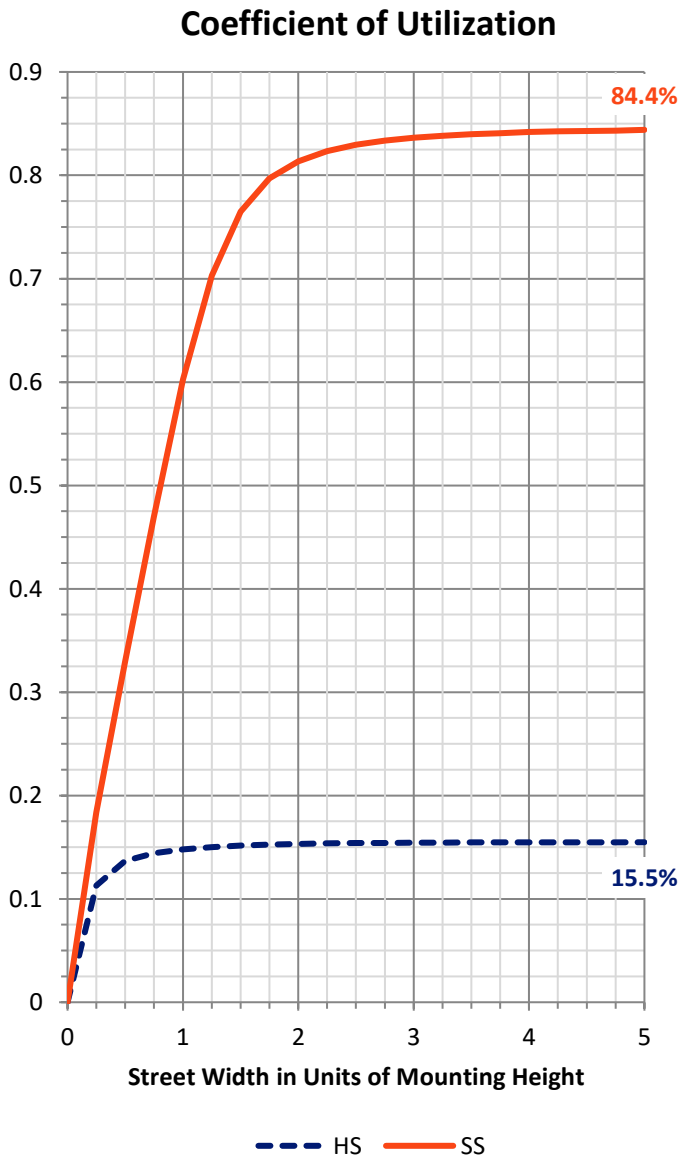
REPORT NUMBER: P1501879
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.7	0.0	744.7
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	4028.4	0.0	4028.4
	% Fixture	84.4	0.0	84.4
Total	Lumens	4773.1	0.0	4773.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.6
10°-20°	186.6	3.9
20°-30°	348.3	7.3
30°-40°	690.6	14.5
40°-50°	1101.1	23.1
50°-60°	1315.6	27.6
60°-70°	862.5	18.1
70°-80°	180.7	3.8
80°-90°	13.7	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°	4773.1	100.0
0°-180°	4773.1	100.0



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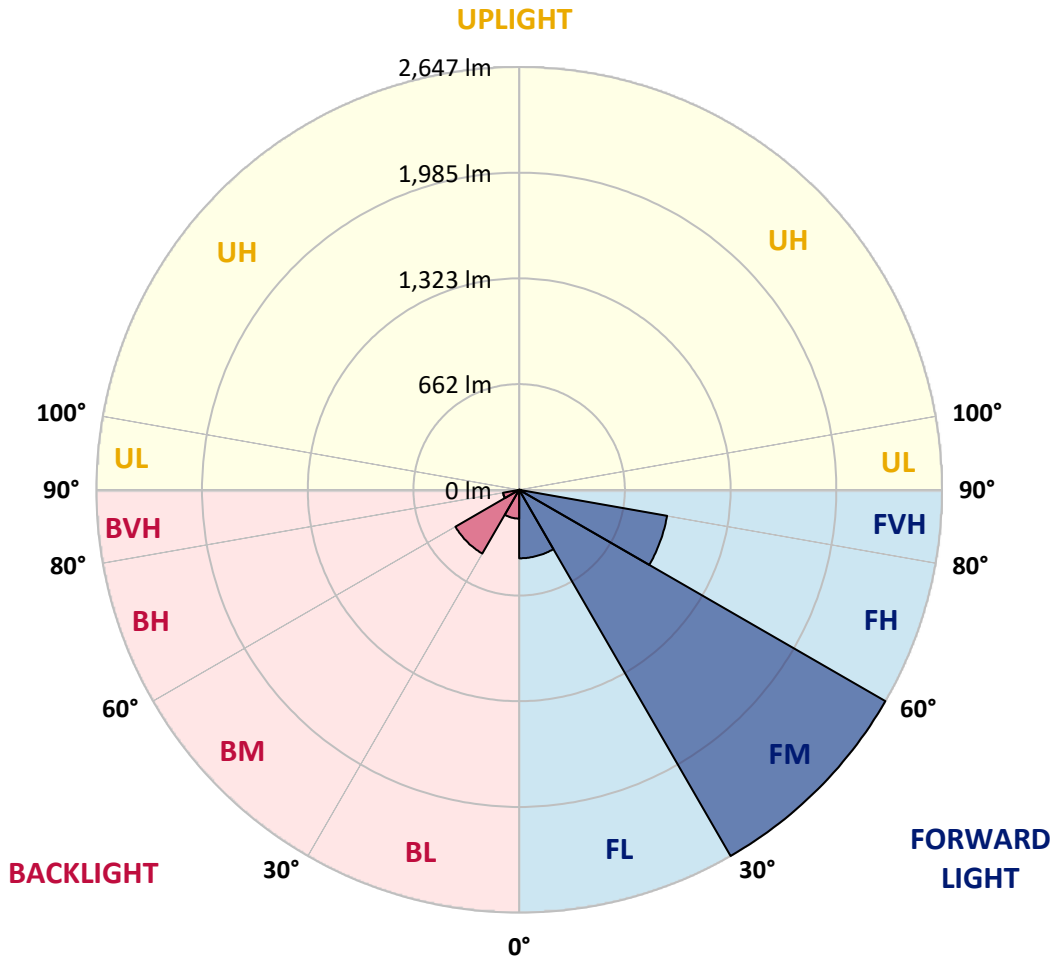
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	428.7	9.0			
FM	(30°-60°)	2646.8	55.5			
FH	(60°-80°)	940.3	19.7			G1/1800
FVH	(80°-90°)	12.5	0.3			G1/100
BL	(0°-30°)	180.2	3.8	B1/500		
BM	(30°-60°)	460.5	9.6	B1/1000		
BH	(60°-80°)	102.9	2.2	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	859.5	856.8	852.8	854.1	852.8	847.5	839.4	832.8	838.1	830.1	824.7
5°	884.9	884.9	882.2	882.2	883.6	880.9	875.5	866.2	867.5	860.8	843.5
7.5°	884.9	880.9	887.6	894.2	906.3	913.0	915.6	910.3	913.0	899.6	876.9
10°	832.8	830.1	847.5	872.9	907.6	938.4	958.4	959.7	963.8	950.4	923.7
12.5°	721.8	716.5	751.2	799.3	870.2	941.0	997.2	1018.6	1027.9	1022.6	985.1
15°	618.9	625.6	649.6	701.8	796.7	904.9	1018.6	1089.4	1102.8	1109.5	1065.3
17.5°	608.2	609.5	617.6	643.0	715.1	846.1	1021.2	1162.9	1181.6	1211.0	1150.9
20°	637.6	634.9	643.0	651.0	685.7	794.0	995.8	1233.8	1269.9	1332.7	1267.2
22.5°	692.4	692.4	696.4	701.8	719.1	790.0	985.1	1299.3	1360.8	1489.1	1412.9
25°	784.6	773.9	776.6	769.9	784.6	838.1	1009.2	1351.4	1435.6	1662.8	1586.7
27.5°	927.7	931.7	907.6	871.5	879.5	925.0	1068.0	1410.2	1513.1	1843.3	1763.1
30°	1125.5	1118.8	1104.1	1033.3	1001.2	1041.3	1176.3	1506.5	1617.4	2071.9	1998.4
32.5°	1280.6	1299.3	1273.9	1224.4	1175.0	1187.0	1328.7	1661.5	1744.4	2281.7	2241.6
35°	1467.7	1467.7	1473.0	1403.5	1370.1	1367.4	1519.8	1829.9	1912.8	2471.5	2499.6
37.5°	1720.3	1702.9	1673.5	1596.0	1570.6	1604.0	1698.9	2003.7	2093.3	2625.3	2700.1
40°	1932.9	1944.9	1940.9	1828.6	1779.1	1815.2	1899.4	2152.1	2221.6	2724.2	2861.9
42.5°	2141.4	2148.1	2130.7	2077.2	2005.0	2007.7	2077.2	2264.4	2335.2	2819.1	3014.2
45°	2297.8	2296.4	2284.4	2271.0	2228.3	2184.2	2196.2	2388.7	2450.2	2849.8	3097.1
47.5°	2347.2	2357.9	2368.6	2406.1	2435.5	2366.0	2304.5	2455.5	2511.7	2844.5	3127.9
50°	2301.8	2324.5	2376.6	2432.8	2533.0	2527.7	2395.4	2527.7	2582.5	2873.9	3164.0
52.5°	2200.2	2222.9	2292.4	2394.0	2545.1	2619.9	2563.8	2649.3	2713.5	2948.8	3238.8
55°	1963.6	1973.0	2116.0	2249.7	2484.9	2579.8	2744.2	2855.2	2908.6	3039.6	3337.7
57.5°	1598.7	1621.4	1761.8	1979.6	2316.5	2474.2	2847.2	3206.7	3205.4	3126.5	3359.1
60°	*1052.0*	*1118.8*	*1347.4*	*1588.0*	*1990.3*	*2267.0*	*2840.5*	*3618.4*	*3659.9*	*3041.0*	*3101.1*
62.5°	803.4	831.4	961.1	1161.6	1473.0	1879.4	2796.4	3741.4	3773.5	2811.1	2714.8
65°	604.2	638.9	763.3	942.4	1039.9	1273.9	2507.6	3252.2	3296.3	2509.0	2110.6
67.5°	370.3	398.3	564.1	773.9	787.3	791.3	1692.3	2463.5	2479.6	2023.8	1420.9
70°	247.3	275.4	390.3	594.8	626.9	455.8	929.0	1864.7	1863.4	1384.8	863.5
72.5°	143.0	156.4	247.3	438.4	493.2	290.1	463.8	1185.6	1133.5	651.0	403.7
75°	81.5	90.9	136.3	282.0	346.2	184.5	183.1	634.9	561.4	335.5	220.6
77.5°	49.5	53.5	74.9	184.5	208.5	124.3	101.6	295.4	284.7	196.5	116.3
80°	24.1	28.1	45.4	108.3	133.7	66.8	61.5	116.3	124.3	108.3	61.5
82.5°	8.0	10.7	25.4	41.4	86.9	26.7	25.4	64.2	68.2	64.2	29.4
85°	4.0	5.3	12.0	13.4	33.4	13.4	9.4	28.1	34.8	21.4	12.0
87.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.7	2.7	2.7	2.7
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°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	820.7	818.1	812.7	803.4	802.0	795.3	784.6	778.0	772.6	776.6	778.0
5°	835.4	828.8	812.7	787.3	760.6	733.8	708.4	679.0	659.0	656.3	651.0
7.5°	862.2	848.8	814.0	764.6	696.4	632.3	557.4	485.2	449.1	443.8	431.8
10°	904.9	882.2	824.7	724.5	593.5	459.8	346.2	268.7	224.6	216.5	219.2
12.5°	955.7	923.7	826.1	656.3	451.8	284.7	196.5	167.1	157.7	153.7	153.7
15°	1021.2	974.5	824.7	568.1	304.8	183.1	157.7	145.7	141.7	139.0	139.0
17.5°	1104.1	1042.6	815.4	435.8	205.9	159.1	144.4	135.0	129.7	128.3	128.3
20°	1201.7	1118.8	794.0	324.8	172.4	148.4	136.3	124.3	120.3	117.6	117.6
22.5°	1326.0	1211.0	752.6	252.6	163.1	141.7	128.3	115.0	110.9	108.3	108.3
25°	1470.4	1328.7	697.8	227.2	161.7	136.3	120.3	106.9	102.9	101.6	100.3
27.5°	1641.5	1454.3	647.0	228.6	164.4	132.3	112.3	100.3	96.2	92.2	93.6
30°	1843.3	1584.0	605.5	244.6	167.1	128.3	106.9	96.2	92.2	86.9	86.9
32.5°	2042.5	1736.4	601.5	274.0	176.4	125.6	101.6	90.9	86.9	82.9	82.9
35°	2247.0	1875.4	624.2	312.8	195.2	121.6	94.9	85.5	81.5	78.9	77.5
37.5°	2442.1	1986.3	645.6	336.8	184.5	104.3	86.9	78.9	74.9	69.5	69.5
40°	2571.8	2046.5	649.6	318.1	152.4	93.6	78.9	70.8	65.5	62.8	61.5
42.5°	2666.7	2085.2	604.2	258.0	132.3	85.5	72.2	64.2	60.2	57.5	57.5
45°	2705.5	2071.9	526.7	196.5	121.6	78.9	65.5	58.8	56.1	53.5	53.5
47.5°	2700.1	2010.4	447.8	157.7	110.9	72.2	61.5	56.1	53.5	50.8	49.5
50°	2690.8	1952.9	367.6	140.4	98.9	68.2	57.5	53.5	49.5	46.8	45.4
52.5°	2752.3	1934.2	304.8	128.3	92.2	65.5	56.1	50.8	46.8	44.1	44.1
55°	2813.7	1942.2	239.3	120.3	85.5	64.2	54.8	49.5	45.4	41.4	41.4
57.5°	2809.7	1907.5	181.8	112.3	80.2	62.8	53.5	48.1	41.4	38.8	38.8
60°	*2554.4*	*1701.6*	*141.7*	*102.9*	*73.5*	*58.8*	*49.5*	*45.4*	*38.8*	*34.8*	*34.8*
62.5°	2160.1	1338.0	116.3	90.9	65.5	53.5	45.4	41.4	34.8	28.1	28.1
65°	1596.0	965.1	93.6	78.9	60.2	46.8	41.4	36.1	28.1	22.7	21.4
67.5°	1080.0	593.5	74.9	65.5	53.5	40.1	34.8	30.7	25.4	18.7	17.4
70°	640.3	315.5	54.8	45.4	40.1	29.4	29.4	26.7	21.4	16.0	14.7
72.5°	304.8	109.6	40.1	33.4	30.7	21.4	22.7	22.7	17.4	12.0	10.7
75°	155.1	53.5	26.7	24.1	20.1	16.0	18.7	17.4	12.0	8.0	8.0
77.5°	88.2	37.4	18.7	16.0	13.4	10.7	12.0	10.7	6.7	4.0	4.0
80°	49.5	26.7	12.0	10.7	8.0	6.7	6.7	5.3	4.0	1.3	1.3
82.5°	18.7	16.0	8.0	5.3	4.0	4.0	2.7	2.7	1.3	0.0	0.0
85°	8.0	4.0	4.0	2.7	2.7	1.3	1.3	1.3	0.0	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	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°	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	767.3	769.9	772.6	783.3	786.0	794.0	800.7	808.7	810.0	820.7	820.7
5°	661.7	660.3	683.1	716.5	737.9	767.3	790.0	814.0	827.4	844.8	852.8
7.5°	438.4	471.9	522.6	581.5	657.7	728.5	782.0	828.8	860.8	880.9	888.9
10°	217.9	236.6	290.1	386.3	516.0	660.3	773.9	860.8	913.0	935.7	950.4
12.5°	153.7	157.7	167.1	219.2	343.5	548.0	748.5	895.6	967.8	1010.5	1029.3
15°	137.7	140.4	144.4	159.1	212.5	409.0	703.1	934.4	1053.3	1102.8	1126.8
17.5°	127.0	128.3	132.3	144.4	167.1	278.0	629.6	975.8	1156.2	1216.4	1261.8
20°	117.6	117.6	121.6	136.3	155.1	213.9	524.0	1022.6	1287.2	1374.1	1419.6
22.5°	106.9	109.6	112.3	128.3	151.0	195.2	425.1	1058.7	1432.9	1538.5	1592.0
25°	98.9	101.6	104.3	120.3	147.0	195.2	367.6	1081.4	1596.0	1721.7	1795.2
27.5°	92.2	94.9	98.9	115.0	143.0	203.2	344.9	1088.1	1773.8	1936.9	2035.8
30°	86.9	89.6	93.6	110.9	145.7	212.5	352.9	1078.7	1954.2	2158.8	2276.4
32.5°	81.5	84.2	88.2	106.9	145.7	224.6	379.6	1060.0	2129.4	2380.7	2525.0
35°	77.5	78.9	80.2	96.2	132.3	223.2	413.0	1041.3	2305.8	2599.9	2768.3
37.5°	69.5	70.8	73.5	82.9	105.6	203.2	419.7	1018.6	2444.8	2784.3	2970.1
40°	61.5	64.2	66.8	76.2	88.2	164.4	390.3	970.4	2518.3	2926.0	3151.9
42.5°	56.1	57.5	60.2	69.5	81.5	131.0	327.5	886.2	2583.8	3022.3	3284.3
45°	52.1	53.5	56.1	62.8	76.2	113.6	258.0	783.3	2589.2	3053.0	3348.4
47.5°	48.1	49.5	50.8	57.5	73.5	101.6	197.8	689.7	2587.8	3093.1	3403.2
50°	45.4	46.8	49.5	54.8	69.5	90.9	163.1	613.5	2644.0	3180.0	3514.2
52.5°	44.1	44.1	48.1	53.5	65.5	82.9	136.3	545.4	2673.4	3265.5	3594.4
55°	41.4	42.8	45.4	50.8	61.5	78.9	116.3	459.8	2686.8	3308.3	3609.1
57.5°	38.8	40.1	44.1	48.1	58.8	74.9	100.3	343.5	2495.6	3085.1	3363.1
60°	*34.8*	*37.4*	*42.8*	*46.8*	*54.8*	*68.2*	*88.2*	*232.6*	*2105.3*	*2681.4*	*2914.0*
62.5°	28.1	33.4	38.8	41.4	49.5	57.5	74.9	155.1	1681.6	2218.9	2483.6
65°	21.4	28.1	32.1	36.1	41.4	48.1	62.8	105.6	1121.5	1493.1	1791.2
67.5°	18.7	24.1	26.7	29.4	34.8	41.4	50.8	73.5	680.4	896.9	1191.0
70°	14.7	20.1	22.7	21.4	26.7	32.1	36.1	49.5	347.5	486.6	677.7
72.5°	10.7	16.0	17.4	17.4	16.0	22.7	26.7	34.8	151.0	236.6	307.4
75°	8.0	10.7	12.0	10.7	9.4	14.7	18.7	22.7	98.9	141.7	179.1
77.5°	4.0	4.0	6.7	6.7	4.0	8.0	9.4	13.4	56.1	82.9	102.9
80°	1.3	0.0	0.0	1.3	0.0	2.7	4.0	6.7	29.4	44.1	64.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	14.7	13.4	33.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	8.0
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: P1501879
CATALOG NUMBER: GSS-SB1C-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	818.1	*818.1*	818.1	818.1	818.1	818.1	818.1	818.1	818.1	818.1
2.5°	827.4	*827.4*	832.8	840.8	844.8	847.5	848.8	851.5	862.2	859.5
5°	862.2	*864.8*	868.9	876.9	886.2	883.6	883.6	883.6	890.2	884.9
7.5°	907.6	*915.6*	917.0	926.3	919.6	906.3	898.3	886.2	884.9	884.9
10°	981.1	*978.5*	978.5	966.4	942.4	903.6	868.9	844.8	831.4	832.8
12.5°	1060.0	*1049.3*	1050.6	1006.5	938.4	852.8	782.0	729.8	725.8	721.8
15°	1157.6	*1129.5*	1124.2	1022.6	878.2	747.2	677.7	636.3	622.9	618.9
17.5°	1296.6	*1225.7*	1200.4	994.5	799.3	681.7	629.6	610.9	609.5	608.2
20°	1443.6	*1303.3*	1255.2	953.1	772.6	683.1	644.3	638.9	636.3	637.6
22.5°	1614.7	*1352.7*	1291.2	959.7	796.7	727.2	696.4	692.4	689.7	692.4
25°	1791.2	*1410.2*	1334.0	1013.2	868.9	808.7	772.6	764.6	772.6	784.6
27.5°	1969.0	*1487.7*	1418.2	1118.8	985.1	919.6	884.9	914.3	926.3	927.7
30°	2126.7	*1596.0*	1531.9	1267.2	1117.5	1052.0	1058.7	1096.1	1110.8	1125.5
32.5°	2271.0	*1740.4*	1690.9	1435.6	1288.6	1249.8	1245.8	1273.9	1289.9	1280.6
35°	2416.7	*1928.9*	1880.7	1618.7	1498.4	1466.4	1432.9	1487.7	1482.4	1467.7
37.5°	2554.4	*2118.7*	2074.6	1815.2	1690.9	1634.8	1629.4	1678.9	1723.0	1720.3
40°	2653.3	*2272.4*	2218.9	2010.4	1892.8	1844.6	1872.7	1958.3	1947.6	1932.9
42.5°	2744.2	*2403.4*	2355.3	2181.5	2058.5	2079.9	2105.3	2162.8	2156.1	2141.4
45°	2787.0	*2515.7*	2474.2	2311.1	2251.0	2319.2	2317.8	2339.2	2303.1	2297.8
47.5°	2847.2	*2595.9*	2553.1	2427.4	2480.9	2509.0	2430.1	2407.4	2374.0	2347.2
50°	2958.1	*2720.2*	2677.4	2603.9	2649.3	2562.4	2466.2	2416.7	2348.6	2301.8
52.5°	3087.8	*2908.6*	2871.2	2841.8	2714.8	2535.7	2412.7	2323.2	2240.3	2200.2
55°	3250.8	*3186.7*	3159.9	2998.2	2656.0	2426.1	2281.7	2114.7	2001.0	1963.6
57.5°	3304.3	*3594.4*	3585.0	3023.6	2491.6	2226.9	1966.3	1740.4	1622.7	1598.7
60°	*3146.6*	*3913.8*	*3880.4*	*2980.8*	*2193.5*	*1807.2*	*1502.4*	*1271.2*	*1080.0*	*1052.0*
62.5°	2944.7	*3669.2*	3657.2	2765.6	1670.9	1295.3	1122.8	906.3	824.7	803.4
65°	2522.3	*3002.2*	3007.6	2218.9	1057.3	930.3	922.3	720.5	620.2	604.2
67.5°	1942.2	*2303.1*	2265.7	1395.5	616.2	744.5	736.5	526.7	381.0	370.3
70°	1134.9	*1715.0*	1654.8	725.8	407.7	621.6	566.8	370.3	259.3	247.3
72.5°	501.3	*943.7*	1013.2	319.5	287.4	494.6	409.0	227.2	145.7	143.0
75°	278.0	*467.8*	489.2	139.0	201.8	351.6	247.3	127.0	82.9	81.5
77.5°	167.1	*207.2*	201.8	89.6	151.0	224.6	149.7	72.2	52.1	49.5
80°	93.6	*94.9*	80.2	65.5	89.6	125.6	84.2	45.4	24.1	24.1
82.5°	57.5	*52.1*	41.4	20.1	24.1	76.2	30.7	25.4	8.0	8.0
85°	24.1	*16.0*	10.7	4.0	9.4	20.1	10.7	12.0	4.0	4.0
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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

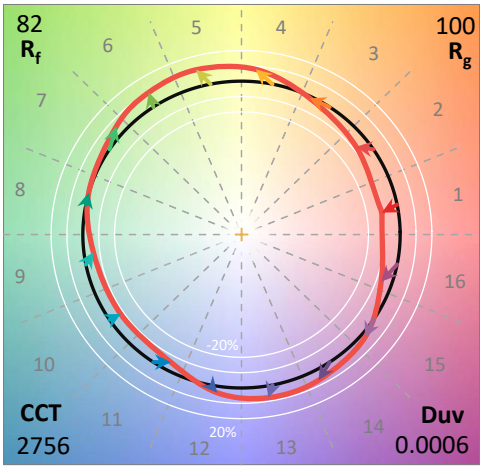
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-8
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-827-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2756
CIE u':	0.2599
CIE v':	0.5271
Duv:	0.0006
CIE x:	0.4563
CIE y:	0.4112
CIE z:	0.1325
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	583
Purity:	60.41121
Rf:	82.2
Rg:	99.9

CRI (Ra):	82.9
R1:	81.6
R2:	88.8
R3:	96.0
R4:	83.4
R5:	81.4
R6:	87.0
R7:	84.0
R8:	60.8
R9:	10.8
R10:	74.8
R11:	84.3
R12:	72.1
R13:	82.9
R14:	97.3
R15:	73.7



Test Conditions

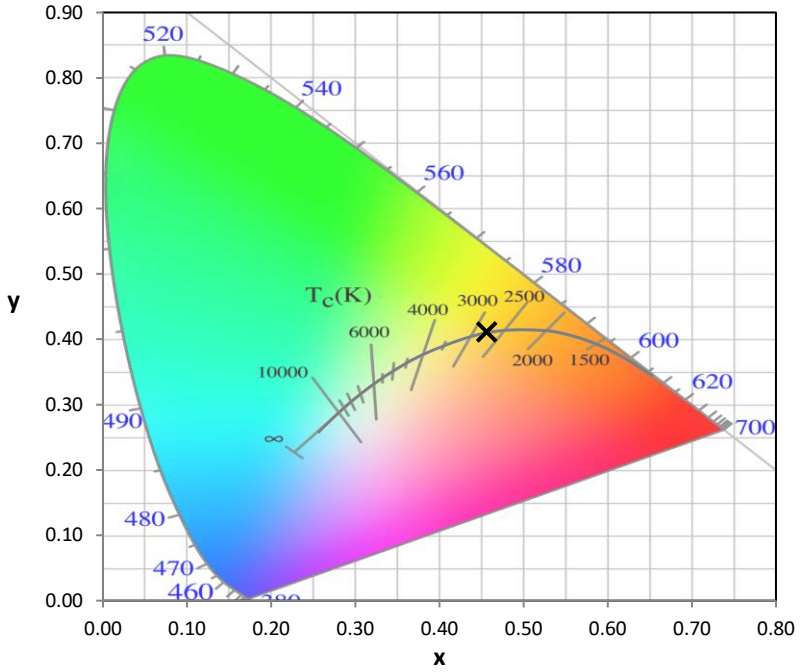
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

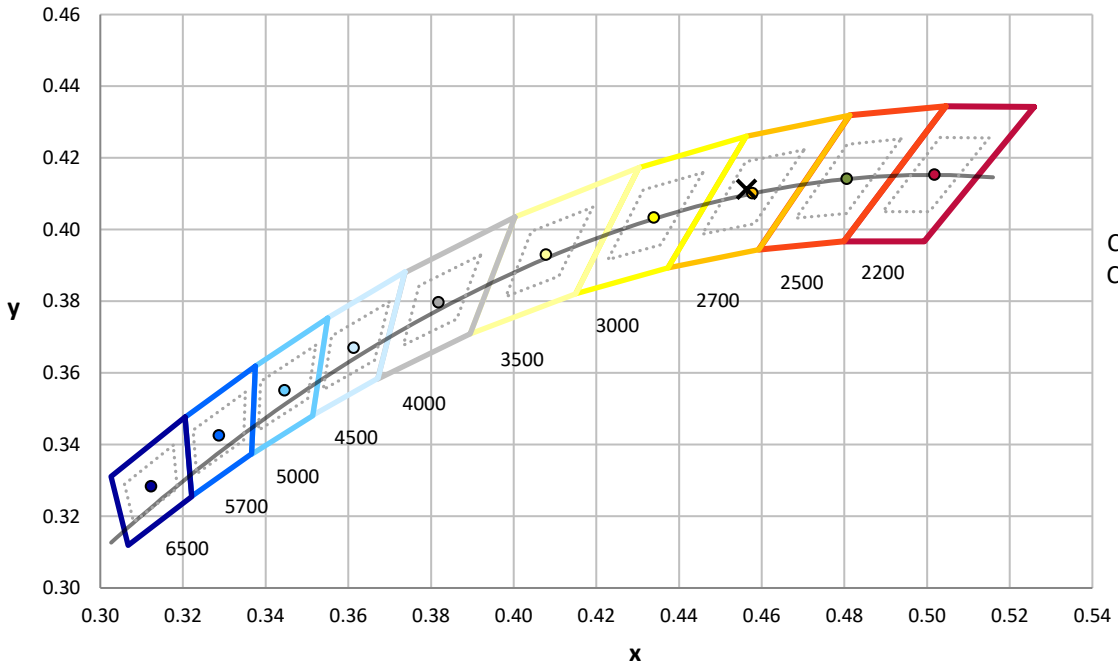
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-8

CIE 1931 Chromaticity Diagram



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

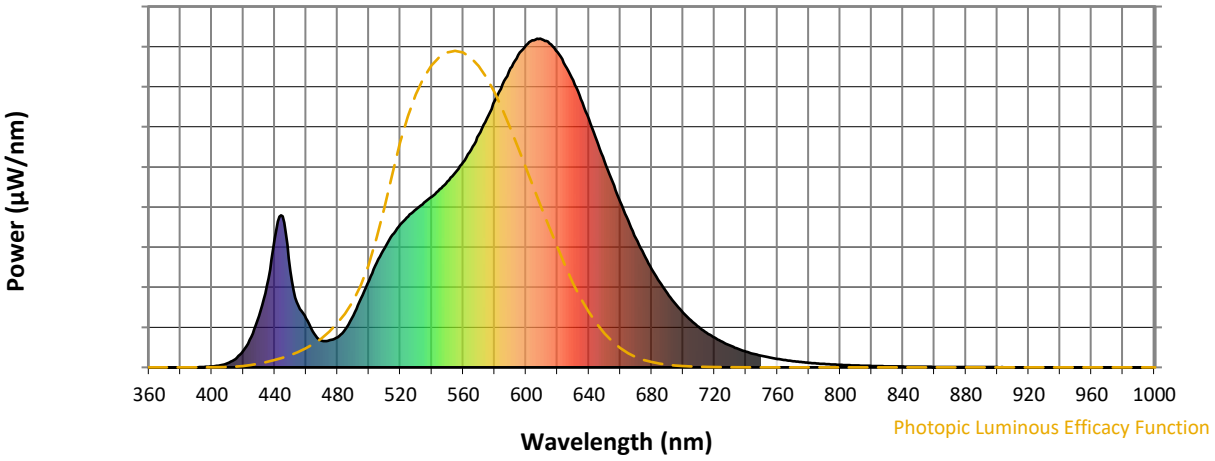


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

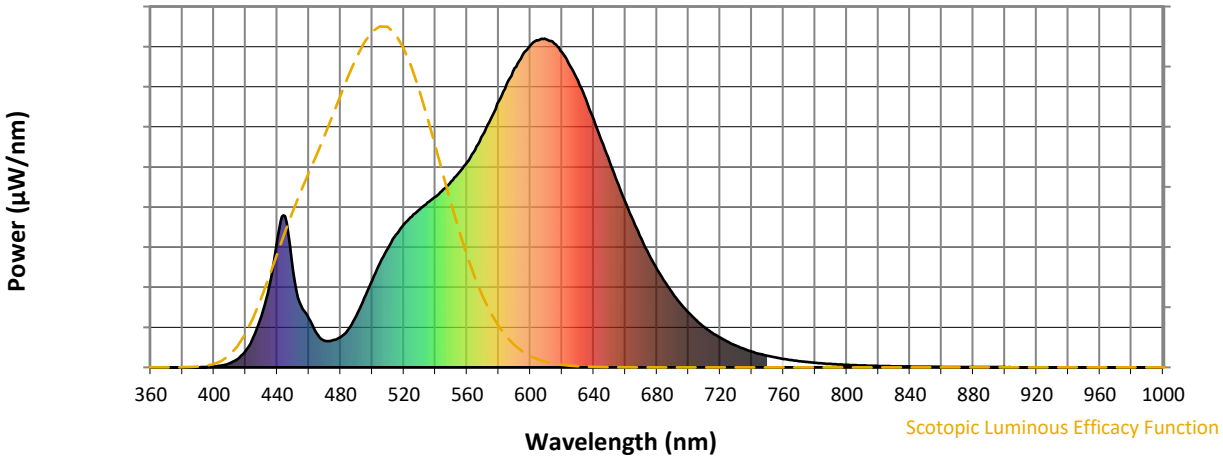


Photopic Lumens: NR

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Scotopic Flux vs. Wavelength

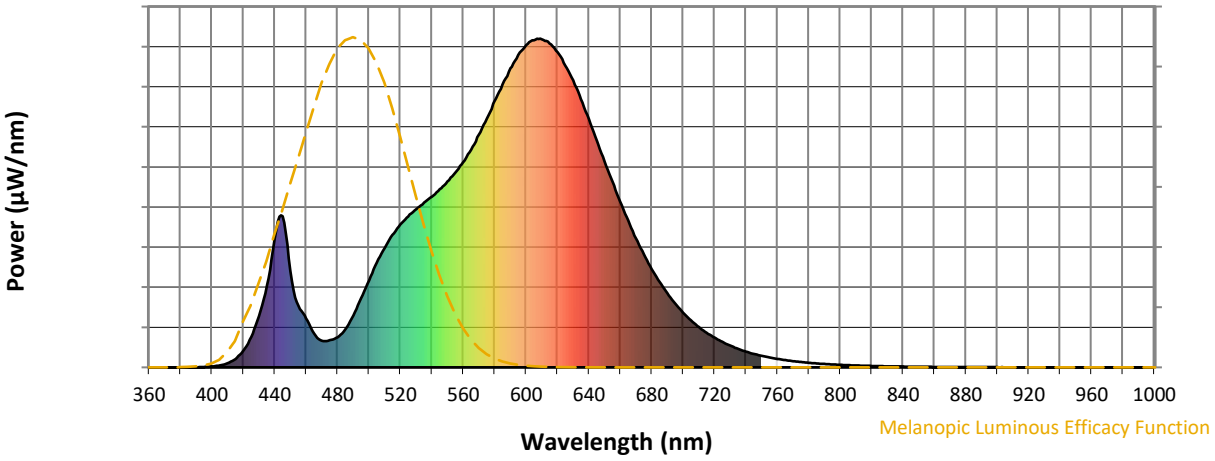


Scotopic Lumens: NR **S/P: 1.2**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-8

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.16**

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

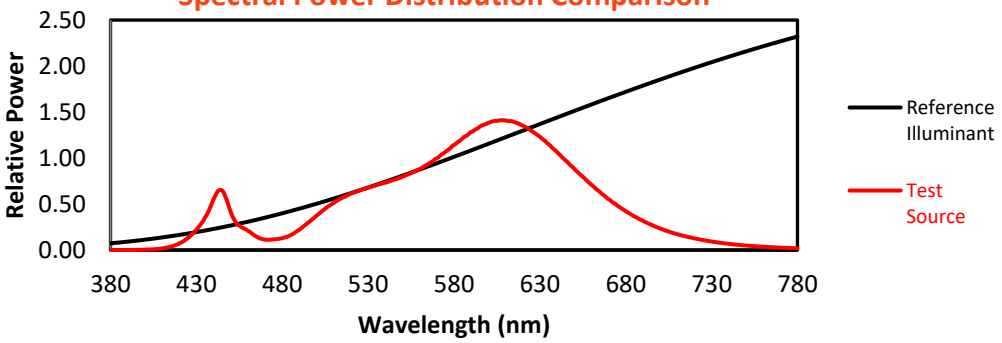
REPORT NUMBER: SP1-2407-184-8

TM-30-18

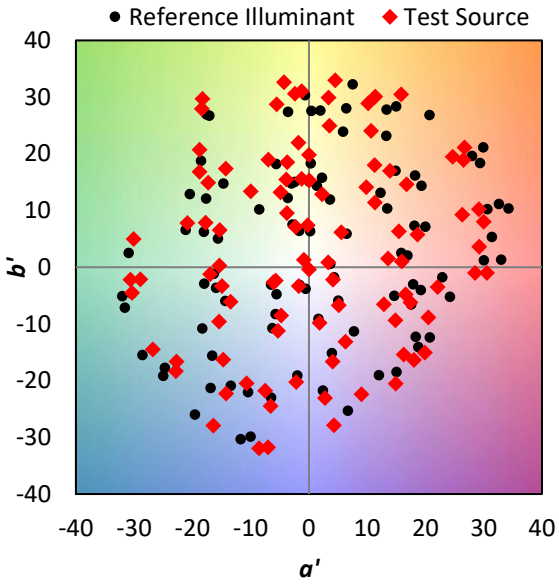
Summary

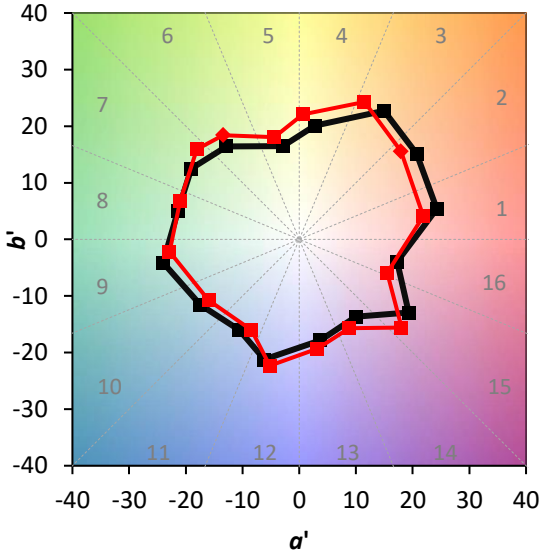
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

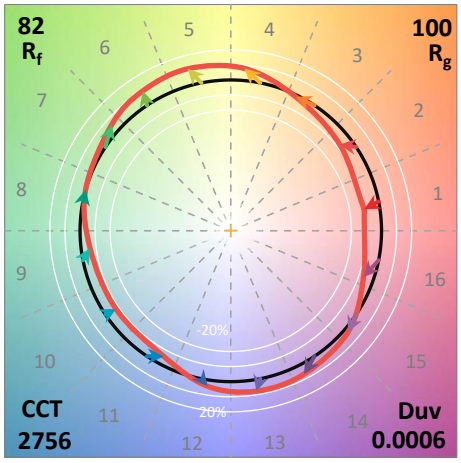
Spectral Power Distribution Comparison

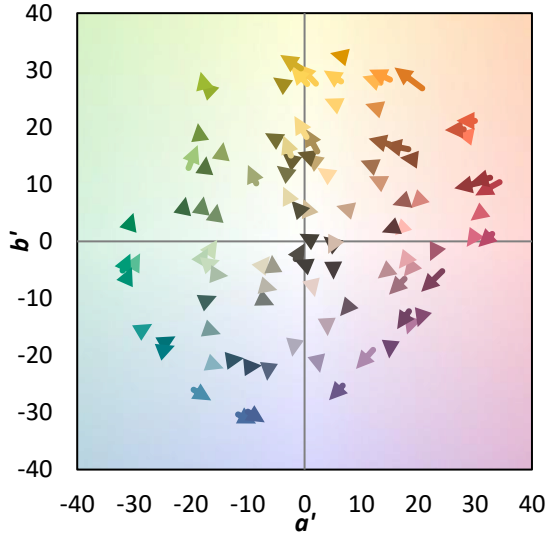


Color Vector Graphics







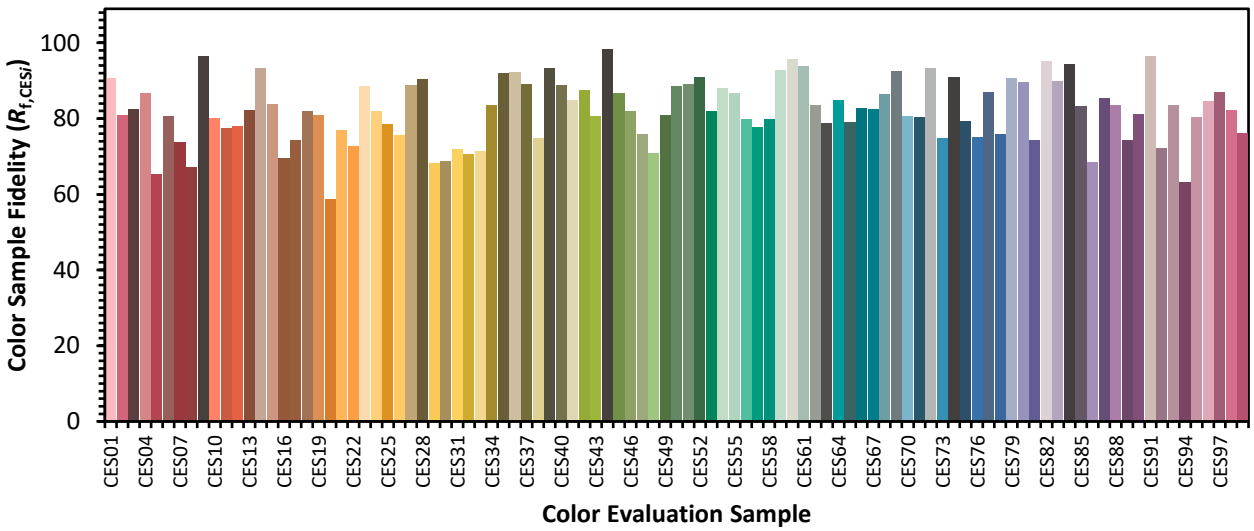


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

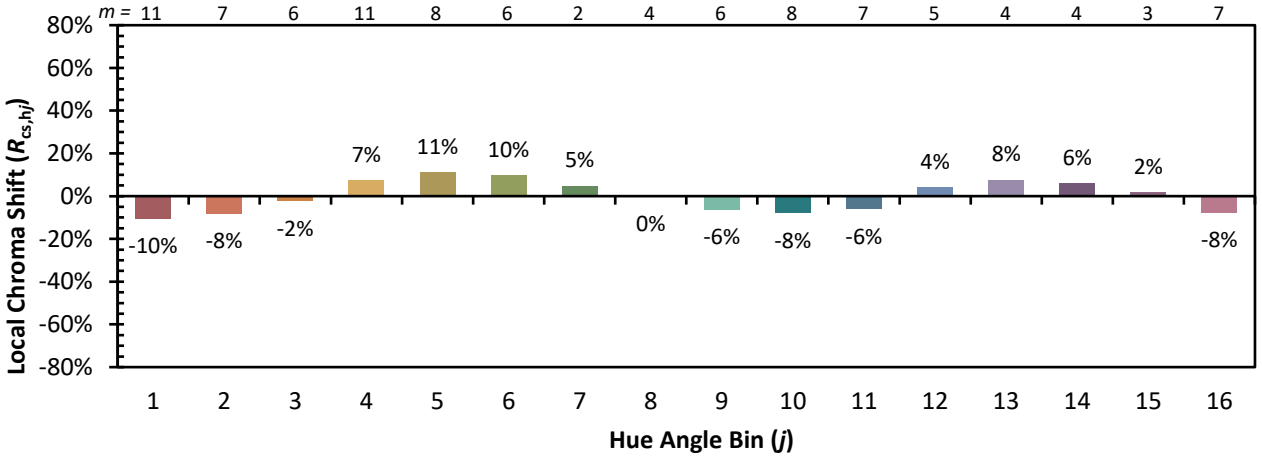
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CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	

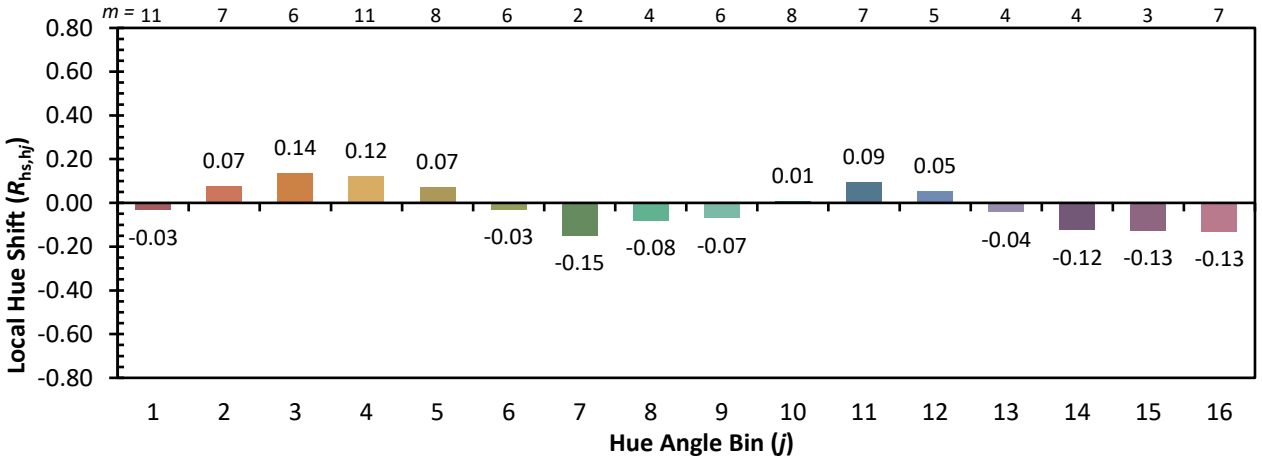


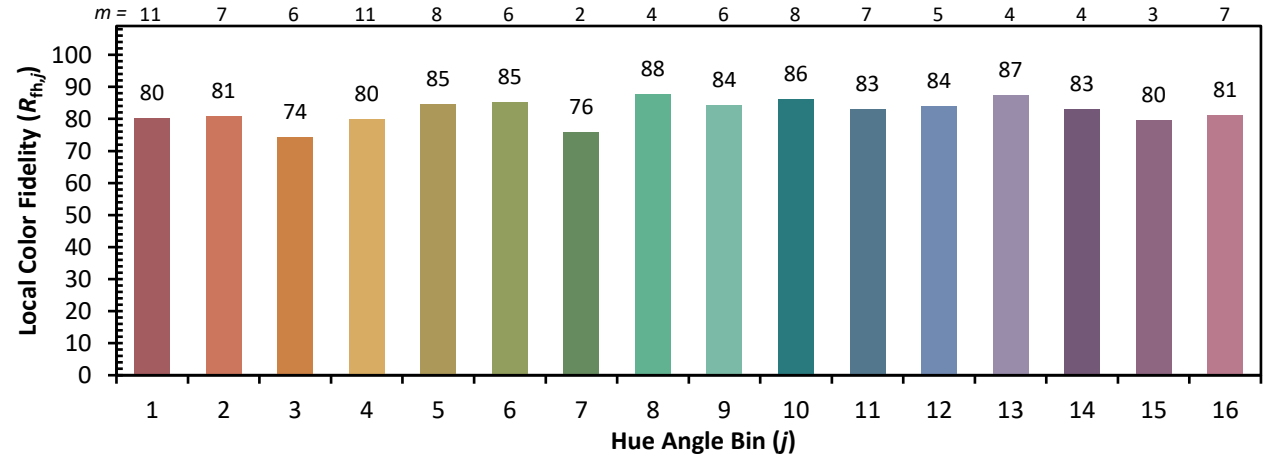
REPORT NUMBER: SP1-2407-184-8

TM-30-18

Color Rendition by Hue-Angle Bin



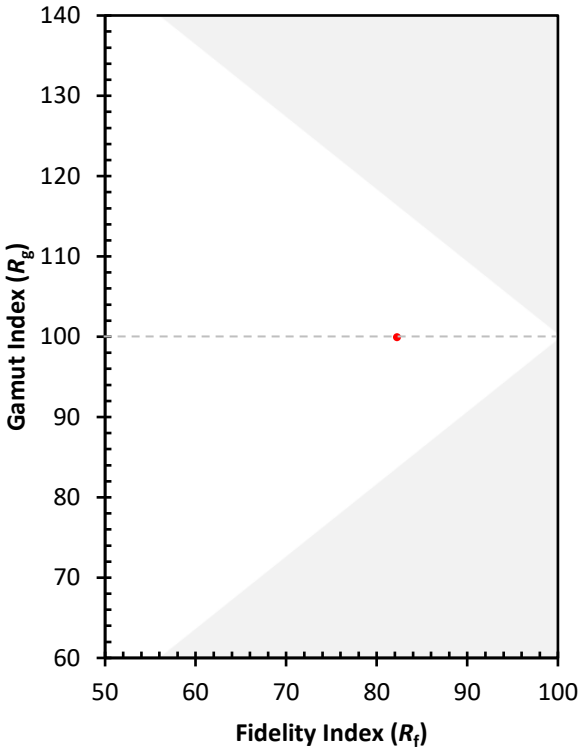


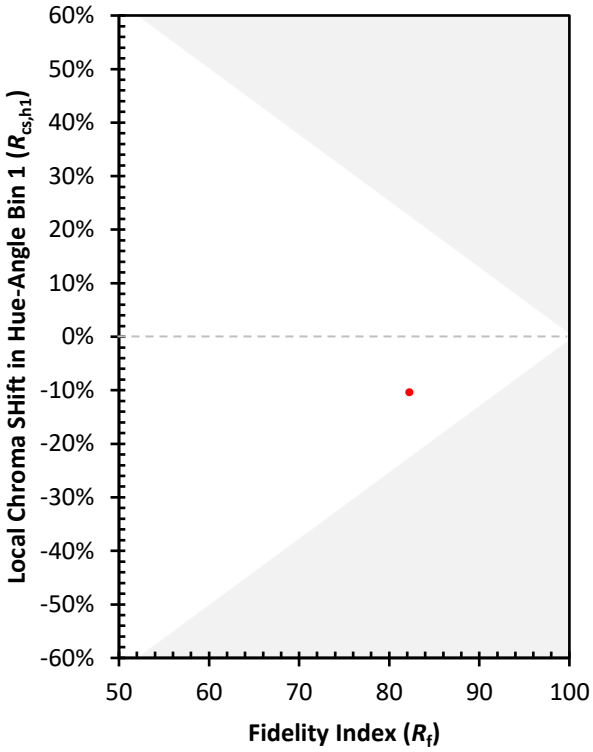


REPORT NUMBER: SP1-2407-184-8

TM-30-18

Measure Comparisons





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