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: P1365323

Luminaire Tested: **GSS-SB2A-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365323
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5835 lumens
Efficiency:	N/A
Efficacy:	100.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

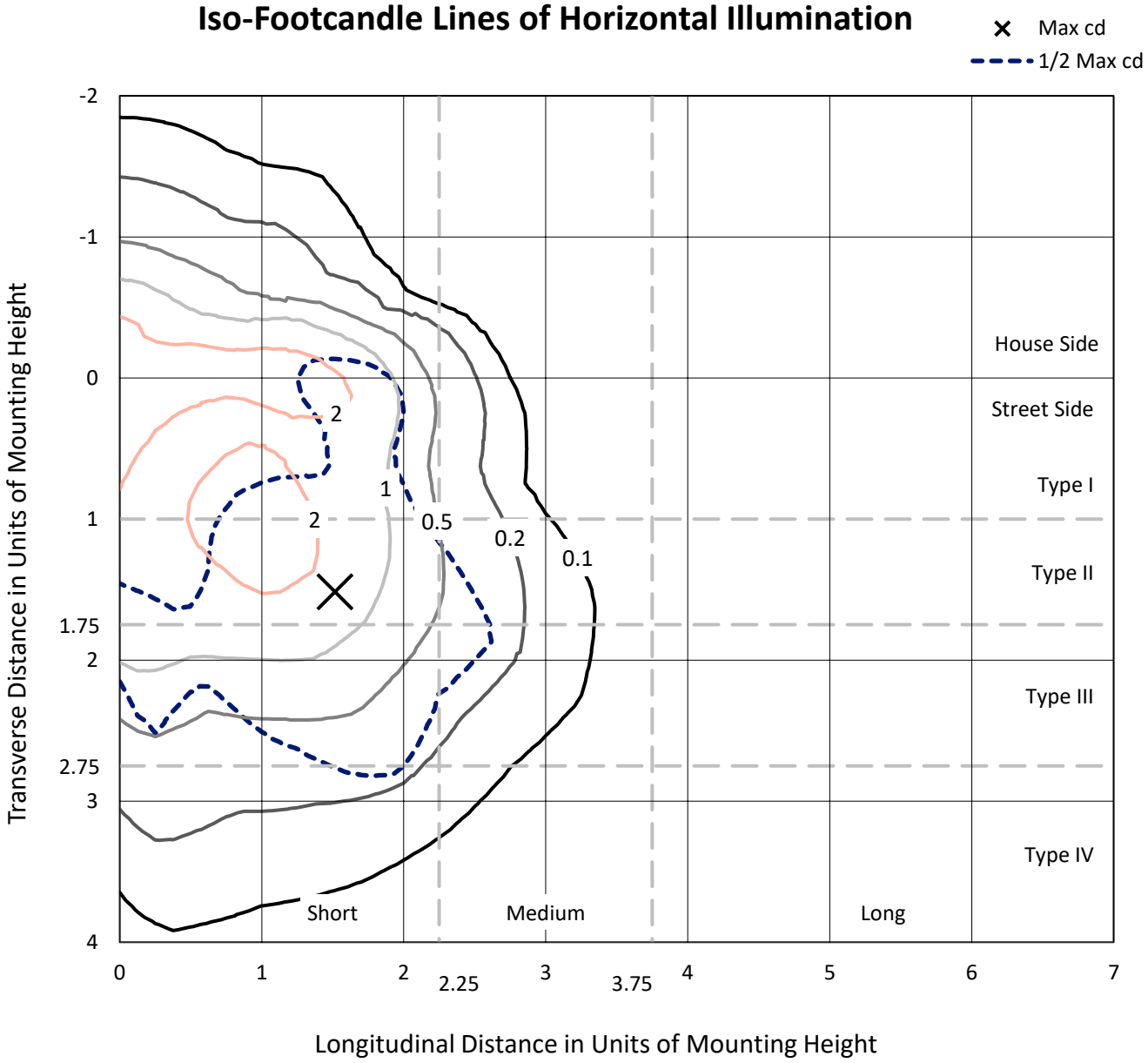
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



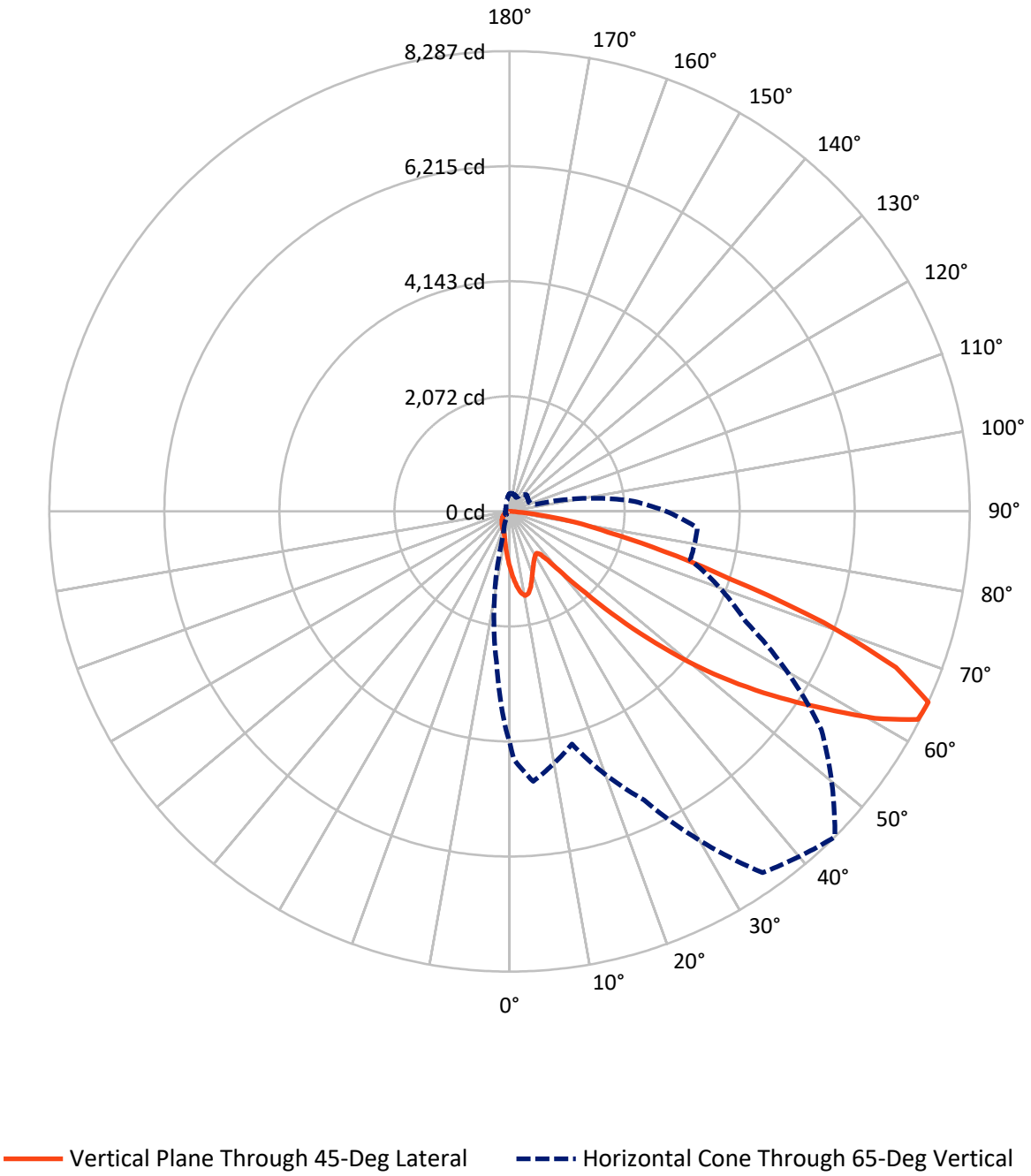
Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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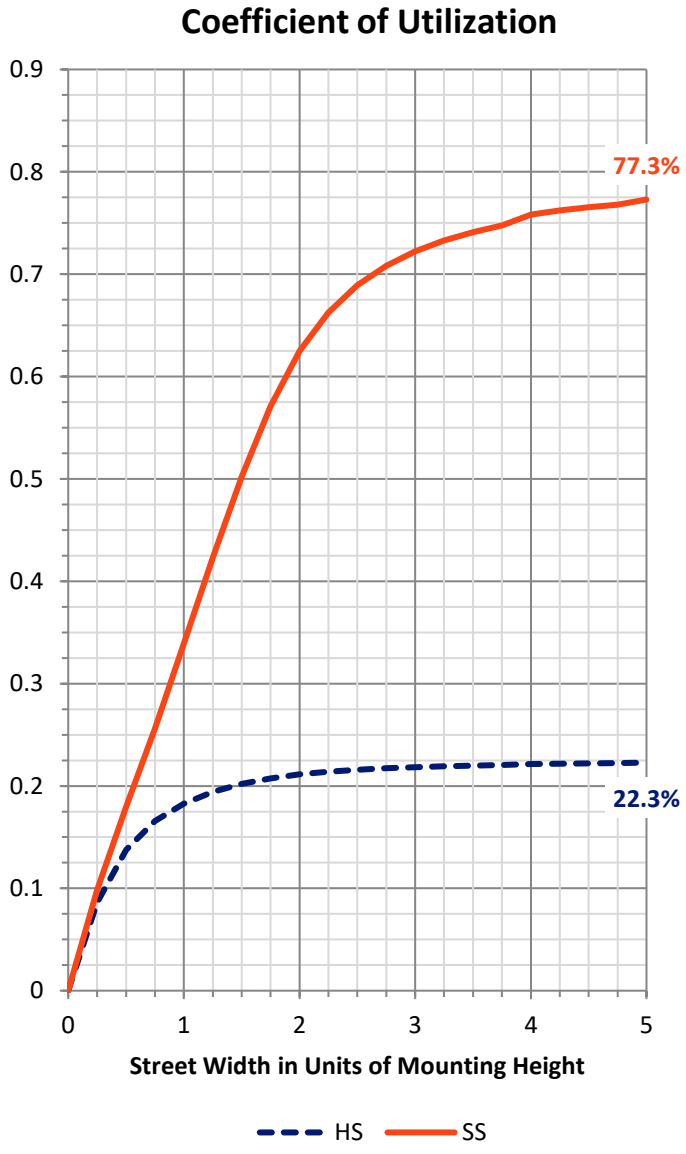
REPORT NUMBER: P1365323
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.6	0.0	1312.6
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4522.5	0.0	4522.5
	% Fixture	77.5	0.0	77.5
Total	Lumens	5835.0	0.0	5835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	1.7
10°-20°	267.9	4.6
20°-30°	383.8	6.6
30°-40°	481.4	8.3
40°-50°	790.8	13.6
50°-60°	1427.8	24.5
60°-70°	1585.1	27.2
70°-80°	716.5	12.3
80°-90°	84.8	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°	5835.0	100.0
0°-180°	5835.0	100.0



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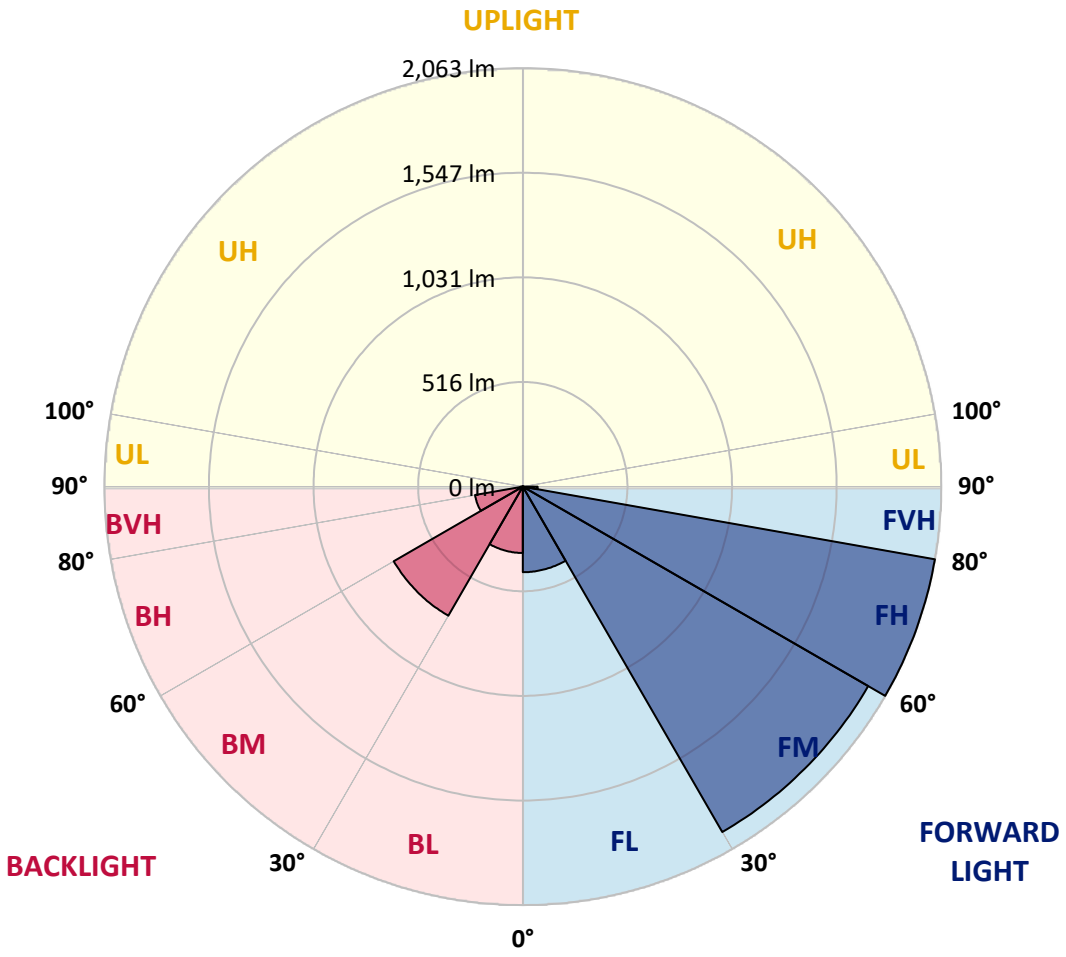
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	421.5	7.2			
FM	(30°-60°)	1965.6	33.7			
FH	(60°-80°)	2062.5	35.3			G2/5000
FVH	(80°-90°)	72.8	1.2			G1/100
BL	(0°-30°)	327.1	5.6	B1/500		
BM	(30°-60°)	734.4	12.6	B1/1000		
BH	(60°-80°)	239.1	4.1	B1/500		G1/500
BVH	(80°-90°)	12.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1
2.5°	1110.1	1124.5	1122.7	1142.4	1160.3	1172.8	1183.5	1180.0	1171.0	1153.1	1140.6
5°	1226.5	1237.3	1255.2	1292.8	1321.4	1346.5	1342.9	1346.5	1319.6	1292.8	1260.5
7.5°	1326.8	1339.3	1364.4	1418.1	1453.9	1484.4	1480.8	1470.0	1439.6	1394.8	1346.5
10°	1389.5	1398.4	1425.3	1486.2	1527.3	1552.4	1543.4	1525.5	1486.2	1441.4	1384.1
12.5°	1416.3	1427.1	1450.3	1498.7	1525.5	1520.2	1516.6	1513.0	1493.3	1459.3	1407.4
15°	1419.9	1427.1	1445.0	1466.5	1455.7	1425.3	1418.1	1445.0	1470.0	1462.9	1419.9
17.5°	1419.9	1430.6	1434.2	1412.7	1357.2	1301.7	1294.6	1339.3	1409.2	1464.7	1439.6
20°	1425.3	1430.6	1423.5	1353.7	1249.8	1188.9	1176.4	1231.9	1335.7	1445.0	1459.3
22.5°	1432.4	1437.8	1407.4	1283.8	1162.1	1097.6	1090.4	1131.6	1253.4	1416.3	1480.8
25°	1446.8	1443.2	1396.6	1222.9	1085.1	1024.2	1013.4	1067.2	1185.3	1387.7	1516.6
27.5°	1464.7	1448.5	1382.3	1172.8	1029.6	965.1	957.9	1009.9	1128.0	1351.9	1547.0
30°	1487.9	1471.8	1380.5	1133.4	988.4	923.9	915.0	972.3	1088.6	1326.8	1590.0
32.5°	1520.2	1496.9	1382.3	1103.0	965.1	904.2	898.9	959.7	1072.5	1312.5	1634.8
35°	1563.1	1529.1	1389.5	1092.2	972.3	931.1	943.6	990.2	1088.6	1323.2	1708.2
37.5°	1616.9	1584.6	1425.3	1115.5	1051.0	1079.7	1111.9	1129.8	1165.6	1373.3	1826.4
40°	1706.4	1661.6	1479.0	1190.7	1262.3	1396.6	1459.3	1452.1	1369.8	1487.9	1992.9
42.5°	1831.7	1790.5	1588.2	1382.3	1615.1	1899.8	2005.4	1944.5	1695.6	1670.6	2266.8
45°	2023.3	1955.3	1735.0	1667.0	2041.2	2508.6	2746.7	2537.2	2109.3	1958.9	2657.2
47.5°	2268.6	2200.6	1964.2	1951.7	2517.5	3260.6	3543.5	3131.7	2519.3	2336.7	3124.5
50°	2662.5	2587.3	2300.8	2241.8	3043.9	4010.8	4388.6	3724.3	2936.5	2737.7	3701.1
52.5°	3203.3	3153.1	2834.4	2540.8	3514.8	4838.0	5163.9	4343.9	3258.8	3196.1	4329.5
55°	3957.1	3908.8	3529.2	2873.8	3960.7	5667.1	5930.3	4907.9	3539.9	3733.3	4986.7
57.5°	4811.2	4891.8	4479.9	3317.9	4429.8	6334.9	6702.0	5420.0	3919.5	4451.3	5717.2
60°	5368.0	5622.3	5570.4	4093.2	5158.6	7165.8	7565.0	6105.7	4474.6	4979.5	5701.1
62.5°	4884.6	5138.9	5536.4	4992.0	5860.4	7917.8	8254.4	6827.3	5026.1	4558.7	4787.9
65°	4145.1	4462.0	4881.0	4336.7	5736.9	7941.1	8286.6	6854.2	4689.4	3369.8	3394.9
67.5°	3572.1	3853.2	4368.9	3690.3	5085.1	7232.0	7504.2	6114.7	3876.5	2234.6	2214.9
70°	2981.3	3239.1	3890.8	3285.6	4454.9	6232.9	5998.3	5140.6	3276.7	1484.4	1230.1
72.5°	2540.8	2778.9	3457.5	2952.6	3534.5	5051.1	4134.4	4265.1	2666.1	943.6	838.0
75°	2102.1	2320.5	2940.1	2673.3	2924.0	3151.4	2857.7	3029.6	2197.0	800.4	646.4
77.5°	1475.4	1611.5	2062.7	2127.2	2275.8	1865.7	1812.0	2121.8	1563.1	397.5	272.2
80°	727.0	811.1	1076.1	1265.9	1076.1	1058.2	1206.8	1412.7	811.1	243.5	150.4
82.5°	325.9	386.8	496.0	766.4	388.5	422.6	533.6	752.0	368.9	145.0	64.5
85°	51.9	57.3	96.7	128.9	105.6	162.9	155.8	146.8	78.8	39.4	17.9
87.5°	1.8	1.8	1.8	3.6	5.4	7.2	9.0	9.0	9.0	9.0	9.0
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°	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1
2.5°	1137.0	1131.6	1104.8	1077.9	1054.6	1031.4	1008.1	975.8	950.8	929.3	920.3
5°	1244.4	1215.8	1174.6	1129.8	1090.4	1045.7	1002.7	954.4	915.0	873.8	852.3
7.5°	1317.8	1289.2	1221.1	1153.1	1104.8	1056.4	1011.7	957.9	906.0	846.9	814.7
10°	1351.9	1319.6	1246.2	1167.4	1108.3	1060.0	1018.8	974.1	922.1	848.7	805.7
12.5°	1375.1	1335.7	1251.6	1171.0	1111.9	1061.8	1022.4	990.2	959.7	888.1	838.0
15°	1389.5	1353.7	1265.9	1172.8	1106.6	1047.5	1009.9	999.1	1004.5	970.5	909.6
17.5°	1410.9	1376.9	1283.8	1183.5	1097.6	1017.0	975.8	999.1	1047.5	1058.2	1009.9
20°	1439.6	1403.8	1307.1	1192.5	1070.7	959.7	920.3	979.4	1060.0	1115.5	1088.6
22.5°	1471.8	1443.2	1334.0	1201.5	1031.4	884.5	866.6	938.2	1024.2	1095.8	1097.6
25°	1511.2	1484.4	1371.6	1210.4	977.6	820.1	823.6	884.5	952.6	1026.0	1038.5
27.5°	1564.9	1539.9	1418.1	1221.1	922.1	768.1	786.0	830.8	877.4	922.1	940.0
30°	1624.0	1604.3	1473.6	1242.6	870.2	737.7	748.4	778.9	816.5	843.3	852.3
32.5°	1704.6	1672.4	1525.5	1240.8	830.8	723.4	712.6	721.6	752.0	778.9	780.7
35°	1804.9	1779.8	1579.3	1208.6	795.0	716.2	678.6	673.2	691.1	718.0	716.2
37.5°	1951.7	1930.2	1667.0	1158.5	750.2	698.3	642.8	624.9	637.4	655.3	660.7
40°	2171.9	2116.4	1767.3	1103.0	705.5	666.1	599.8	574.8	583.7	603.4	607.0
42.5°	2470.9	2365.3	1901.6	1027.8	662.5	617.7	556.9	530.0	535.4	553.3	556.9
45°	2854.1	2694.8	2086.0	949.0	628.5	567.6	512.1	483.4	488.8	508.5	517.5
47.5°	3301.8	3083.3	2279.4	864.8	608.8	528.2	467.3	445.8	458.4	478.1	481.7
50°	3830.0	3609.7	2402.9	796.8	596.3	497.8	426.1	417.2	433.3	449.4	453.0
52.5°	4406.5	4093.2	2324.1	741.3	585.5	487.0	397.5	401.1	413.6	429.7	435.1
55°	4967.0	4270.4	2062.7	669.7	573.0	494.2	376.0	385.0	401.1	413.6	417.2
57.5°	5332.2	4121.8	1661.6	594.5	558.6	499.6	365.3	372.4	390.3	404.7	406.5
60°	5013.5	3796.0	1244.4	530.0	528.2	490.6	361.7	350.9	376.0	388.5	390.3
62.5°	4107.5	3104.8	795.0	469.1	470.9	470.9	359.9	315.1	347.4	358.1	356.3
65°	*2821.9*	*2195.2*	*492.4*	*383.2*	*401.1*	*427.9*	*349.2*	*277.5*	*315.1*	*325.9*	*322.3*
67.5°	1855.0	1394.8	304.4	295.4	329.5	370.6	327.7	248.9	282.9	290.1	279.3
70°	1006.3	657.1	200.5	193.4	257.8	291.9	277.5	223.8	252.5	259.6	248.9
72.5°	664.3	377.8	141.5	141.5	202.3	204.1	227.4	200.5	223.8	231.0	220.2
75°	499.6	243.5	98.5	109.2	128.9	159.4	162.9	168.3	189.8	198.8	188.0
77.5°	229.2	89.5	59.1	80.6	89.5	121.8	103.9	125.3	141.5	145.0	136.1
80°	132.5	50.1	39.4	51.9	57.3	100.3	60.9	75.2	100.3	105.6	94.9
82.5°	55.5	25.1	26.9	32.2	34.0	55.5	43.0	48.3	66.3	64.5	57.3
85°	16.1	16.1	17.9	19.7	19.7	32.2	30.4	28.6	30.4	30.4	25.1
87.5°	10.7	10.7	10.7	12.5	12.5	14.3	16.1	17.9	17.9	17.9	16.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1
2.5°	907.8	891.7	868.4	864.8	852.3	843.3	852.3	861.3	877.4	879.2	886.3
5°	832.6	795.0	766.4	734.1	718.0	716.2	712.6	723.4	746.7	761.0	771.7
7.5°	782.5	714.4	664.3	619.5	603.4	590.9	601.6	599.8	630.3	642.8	653.5
10°	755.6	660.7	585.5	530.0	508.5	496.0	494.2	497.8	515.7	528.2	540.7
12.5°	773.5	639.2	528.2	463.8	440.5	426.1	413.6	413.6	417.2	433.3	438.7
15°	832.6	651.8	501.4	431.5	401.1	377.8	361.7	349.2	350.9	352.7	358.1
17.5°	918.5	684.0	492.4	411.8	379.6	350.9	334.8	320.5	316.9	316.9	315.1
20°	1000.9	709.1	485.2	395.7	354.5	329.5	315.1	302.6	297.2	297.2	297.2
22.5°	1034.9	730.5	476.3	376.0	329.5	306.2	293.6	284.7	282.9	282.9	281.1
25°	1008.1	723.4	465.5	356.3	306.2	288.3	277.5	268.6	266.8	268.6	266.8
27.5°	923.9	698.3	451.2	340.2	288.3	272.2	263.2	254.3	252.5	254.3	254.3
30°	834.4	655.3	427.9	327.7	274.0	256.0	247.1	238.1	238.1	239.9	241.7
32.5°	762.8	612.4	401.1	311.6	257.8	241.7	232.8	223.8	223.8	227.4	227.4
35°	701.9	578.3	374.2	295.4	243.5	225.6	218.4	211.3	209.5	213.1	214.9
37.5°	653.5	547.9	345.6	279.3	229.2	213.1	205.9	197.0	195.2	198.8	202.3
40°	603.4	513.9	320.5	259.6	214.9	198.8	191.6	180.8	180.8	184.4	188.0
42.5°	555.1	483.4	304.4	241.7	200.5	182.6	175.5	166.5	166.5	170.1	173.7
45°	515.7	454.8	295.4	223.8	184.4	168.3	159.4	152.2	154.0	157.6	161.1
47.5°	478.1	424.4	297.2	214.9	173.7	152.2	143.2	137.9	141.5	146.8	150.4
50°	449.4	402.9	299.0	200.5	159.4	139.7	130.7	127.1	132.5	137.9	141.5
52.5°	431.5	381.4	288.3	182.6	148.6	127.1	121.8	121.8	127.1	130.7	134.3
55°	413.6	345.6	265.0	162.9	137.9	118.2	114.6	114.6	120.0	123.5	125.3
57.5°	399.3	308.0	238.1	146.8	125.3	109.2	109.2	109.2	111.0	112.8	116.4
60°	372.4	268.6	204.1	134.3	112.8	102.1	100.3	100.3	98.5	100.3	105.6
62.5°	325.9	225.6	173.7	120.0	102.1	93.1	91.3	85.9	80.6	82.4	85.9
65°	*275.7*	*179.1*	*145.0*	*103.9*	*87.7*	*82.4*	*80.6*	*71.6*	*64.5*	*66.3*	*71.6*
67.5°	220.2	134.3	121.8	89.5	75.2	69.8	69.8	64.5	59.1	59.1	62.7
70°	171.9	112.8	91.3	71.6	59.1	59.1	62.7	57.3	50.1	50.1	55.5
72.5°	139.7	91.3	73.4	55.5	46.6	50.1	51.9	46.6	41.2	41.2	44.8
75°	109.2	71.6	57.3	41.2	35.8	37.6	41.2	37.6	32.2	34.0	35.8
77.5°	75.2	48.3	37.6	30.4	26.9	28.6	28.6	26.9	25.1	25.1	26.9
80°	50.1	32.2	25.1	21.5	19.7	19.7	17.9	17.9	19.7	19.7	21.5
82.5°	35.8	23.3	19.7	16.1	12.5	12.5	14.3	14.3	16.1	16.1	17.9
85°	21.5	16.1	14.3	10.7	9.0	10.7	10.7	12.5	14.3	14.3	16.1
87.5°	16.1	12.5	10.7	9.0	7.2	7.2	9.0	9.0	10.7	12.5	12.5
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: P1365323
CATALOG NUMBER: GSS-SB2A-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1	1008.1
2.5°	904.2	925.7	956.1	983.0	1015.2	1047.5	1077.9	1106.6	1108.3	1110.1
5°	805.7	848.7	898.9	959.7	1024.2	1086.9	1153.1	1206.8	1219.4	1226.5
7.5°	696.5	759.2	836.2	922.1	1018.8	1115.5	1208.6	1289.2	1319.6	1326.8
10°	581.9	658.9	752.0	863.0	993.8	1122.7	1248.0	1346.5	1382.3	1389.5
12.5°	479.9	542.5	650.0	784.3	941.8	1111.9	1262.3	1371.6	1407.4	1416.3
15°	392.1	451.2	551.5	692.9	870.2	1074.3	1251.6	1376.9	1412.7	1419.9
17.5°	324.1	361.7	453.0	607.0	805.7	1026.0	1237.3	1380.5	1414.5	1419.9
20°	297.2	304.4	352.7	503.1	737.7	990.2	1228.3	1385.9	1419.9	1425.3
22.5°	284.7	284.7	295.4	383.2	642.8	952.6	1224.7	1402.0	1427.1	1432.4
25°	272.2	272.2	275.7	300.8	530.0	906.0	1231.9	1430.6	1446.8	1446.8
27.5°	259.6	259.6	263.2	268.6	393.9	829.0	1233.7	1462.9	1470.0	1464.7
30°	247.1	250.7	250.7	254.3	290.1	732.3	1222.9	1498.7	1498.7	1487.9
32.5°	234.6	236.4	239.9	241.7	252.5	607.0	1205.0	1543.4	1534.5	1520.2
35°	223.8	225.6	225.6	229.2	239.9	485.2	1185.3	1604.3	1579.3	1563.1
37.5°	209.5	211.3	213.1	216.7	227.4	385.0	1156.7	1656.3	1638.3	1616.9
40°	197.0	198.8	200.5	204.1	214.9	331.3	1120.9	1735.0	1731.5	1706.4
42.5°	182.6	186.2	188.0	189.8	204.1	302.6	1095.8	1862.2	1862.2	1831.7
45°	170.1	173.7	173.7	177.3	197.0	277.5	1151.3	2037.6	2052.0	2023.3
47.5°	159.4	161.1	161.1	162.9	186.2	256.0	1299.9	2306.2	2288.3	2268.6
50°	148.6	152.2	148.6	150.4	177.3	268.6	1545.2	2650.0	2696.6	2662.5
52.5°	141.5	143.2	136.1	136.1	164.7	284.7	1745.8	3088.7	3244.5	3203.3
55°	132.5	134.3	125.3	125.3	145.0	247.1	1758.3	3588.2	3930.2	3957.1
57.5°	123.5	123.5	116.4	114.6	125.3	200.5	1559.6	3975.0	4750.3	4811.2
60°	112.8	111.0	107.4	103.9	114.6	184.4	1188.9	3923.1	5156.8	5368.0
62.5°	96.7	100.3	98.5	91.3	103.9	171.9	775.3	3394.9	4698.4	4884.6
65°	*80.6*	*85.9*	*85.9*	*80.6*	*114.6*	*150.4*	*408.2*	*2718.0*	*3921.3*	*4145.1*
67.5°	71.6	75.2	73.4	69.8	102.1	94.9	197.0	2084.2	3357.3	3572.1
70°	62.7	66.3	60.9	57.3	82.4	68.0	116.4	1394.8	2771.8	2981.3
72.5°	51.9	55.5	50.1	44.8	60.9	51.9	77.0	907.8	2308.0	2540.8
75°	43.0	44.8	41.2	35.8	44.8	41.2	53.7	592.7	1930.2	2102.1
77.5°	30.4	34.0	32.2	26.9	32.2	28.6	37.6	338.4	1346.5	1475.4
80°	23.3	23.3	23.3	21.5	19.7	19.7	25.1	152.2	653.5	727.0
82.5°	19.7	19.7	17.9	16.1	14.3	12.5	14.3	44.8	308.0	325.9
85°	17.9	14.3	12.5	10.7	9.0	5.4	5.4	12.5	62.7	51.9
87.5°	10.7	9.0	7.2	3.6	1.8	1.8	0.0	1.8	1.8	1.8
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

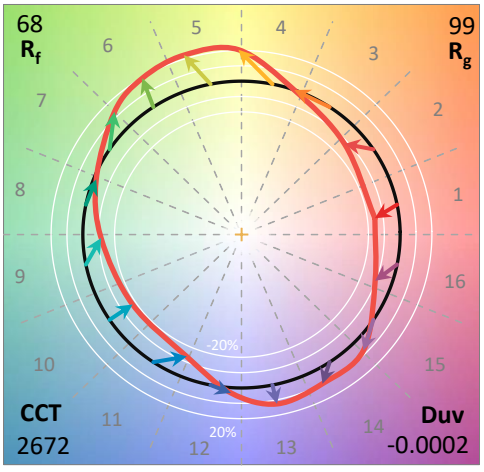
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

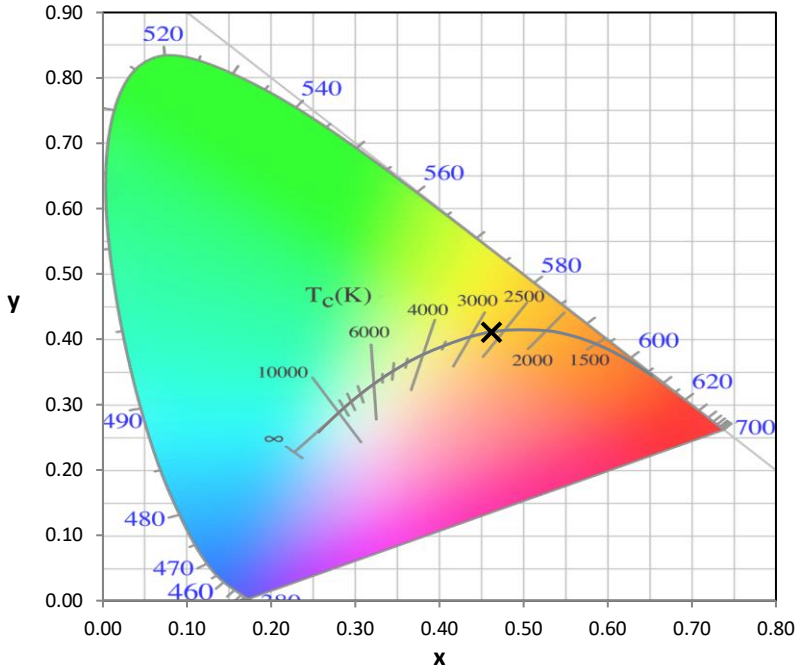
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

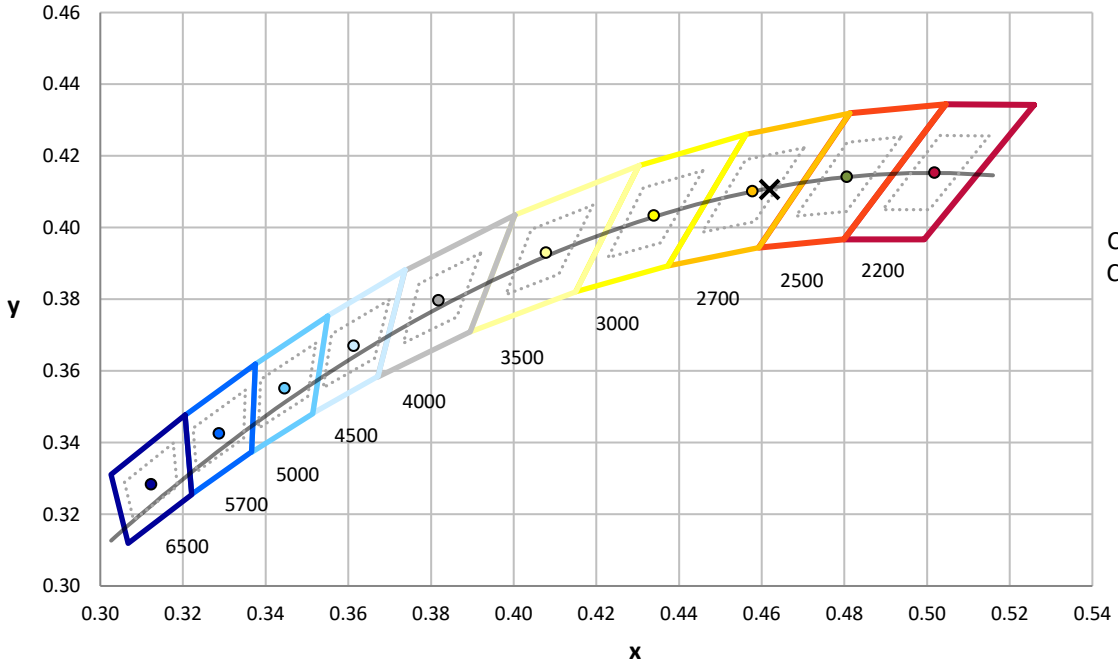
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

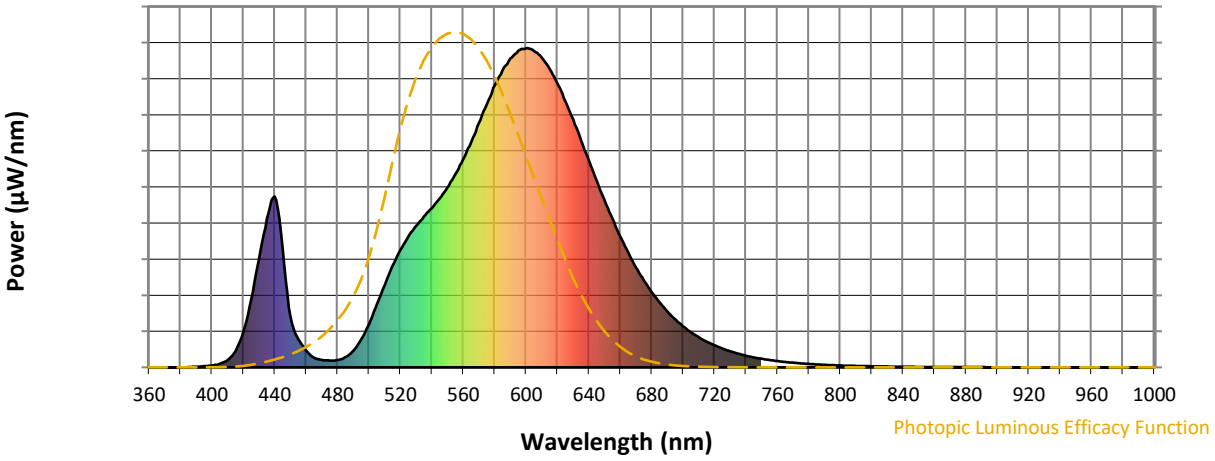


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

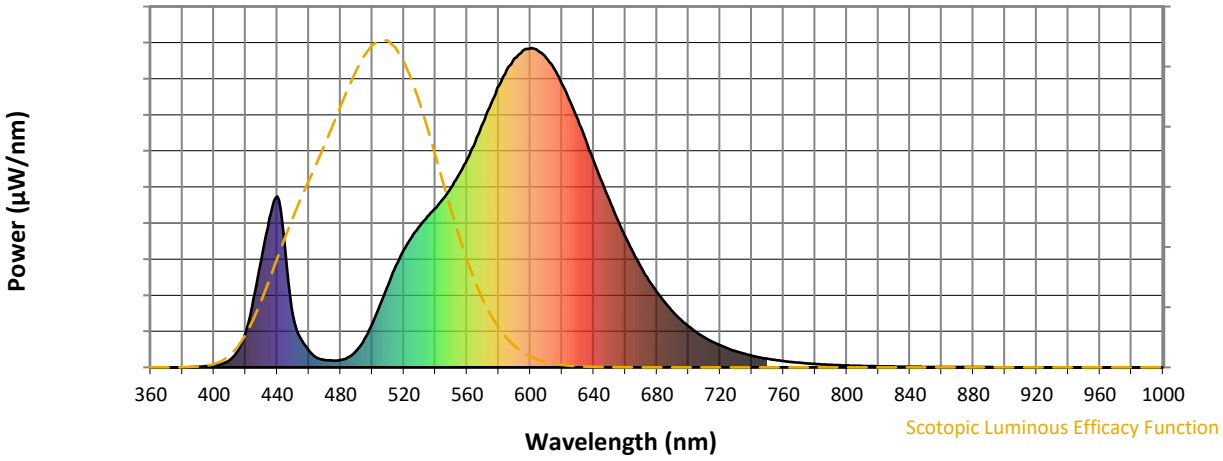


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

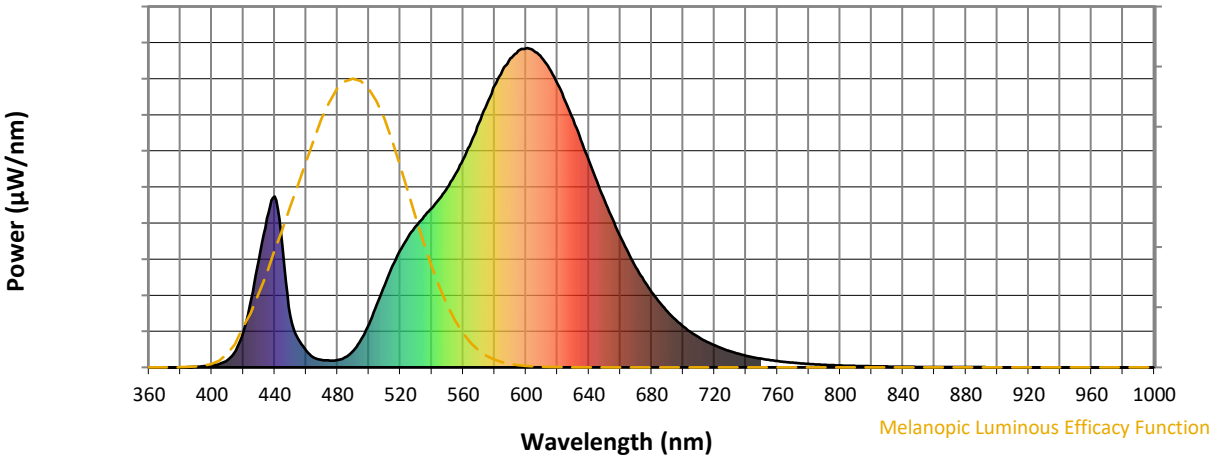


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

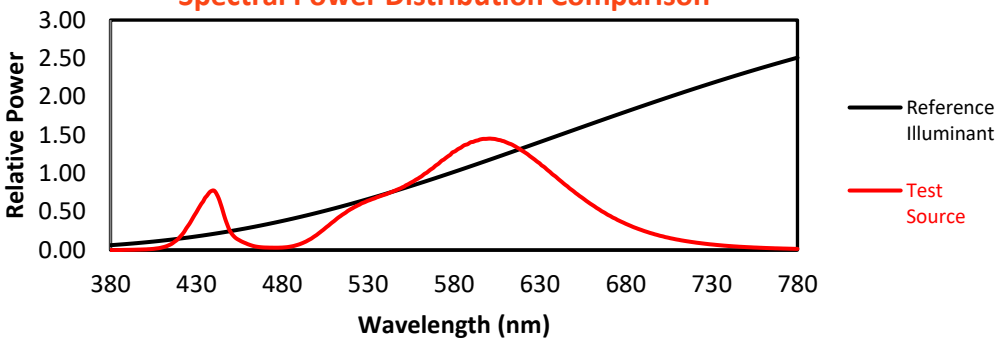
REPORT NUMBER: SP1-2407-184-3

TM-30-18

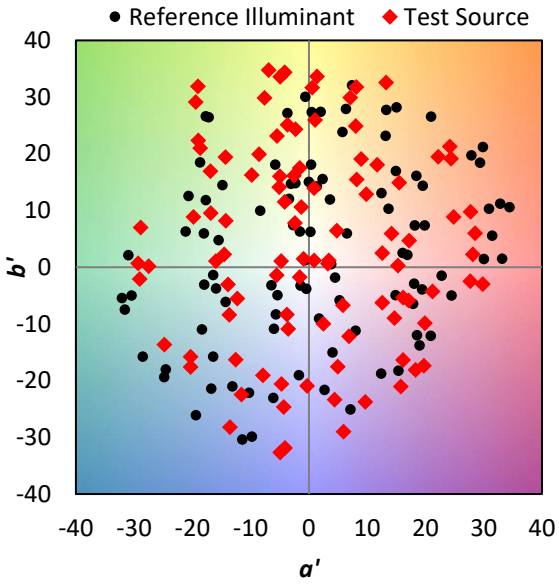
Summary

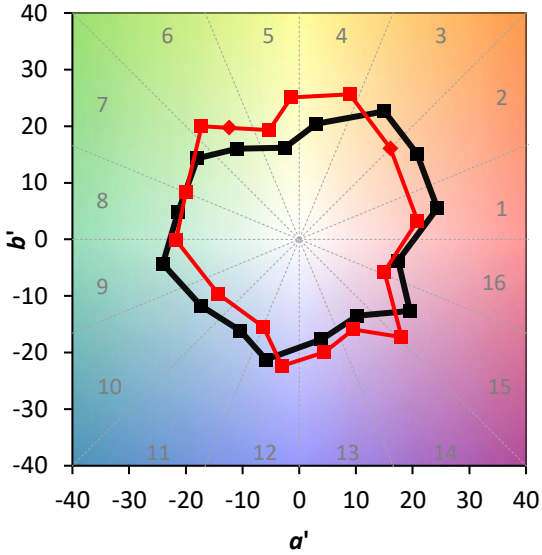
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R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

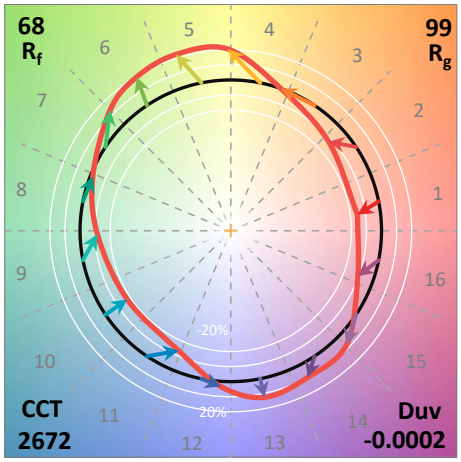
Spectral Power Distribution Comparison

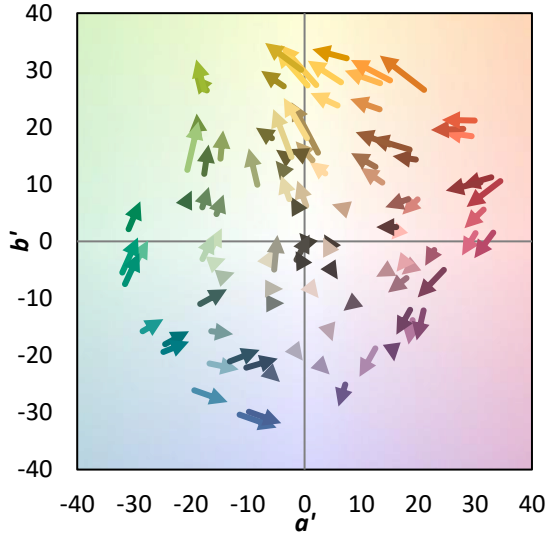


Color Vector Graphics







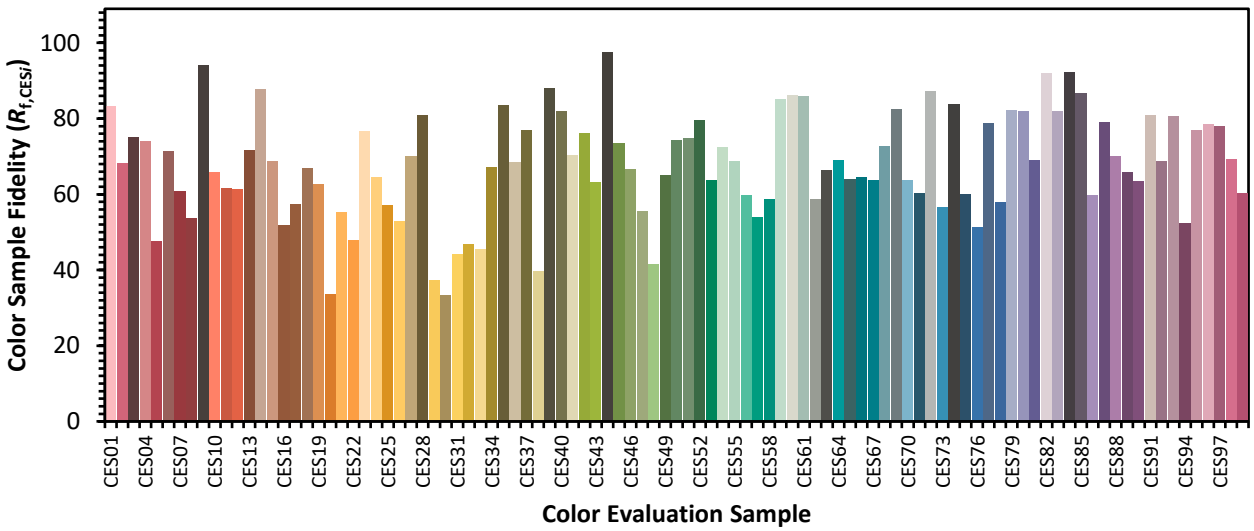


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

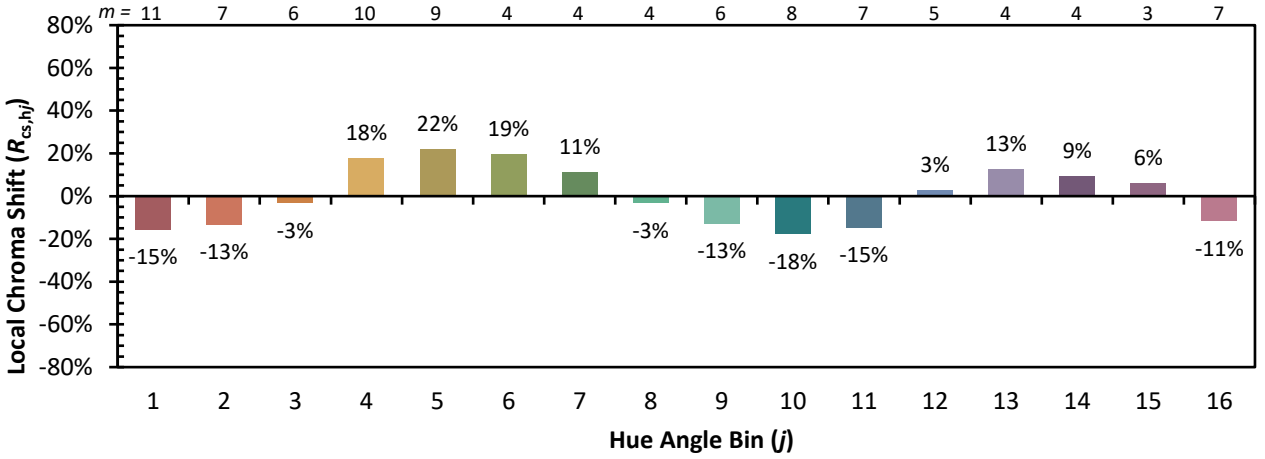
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CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	

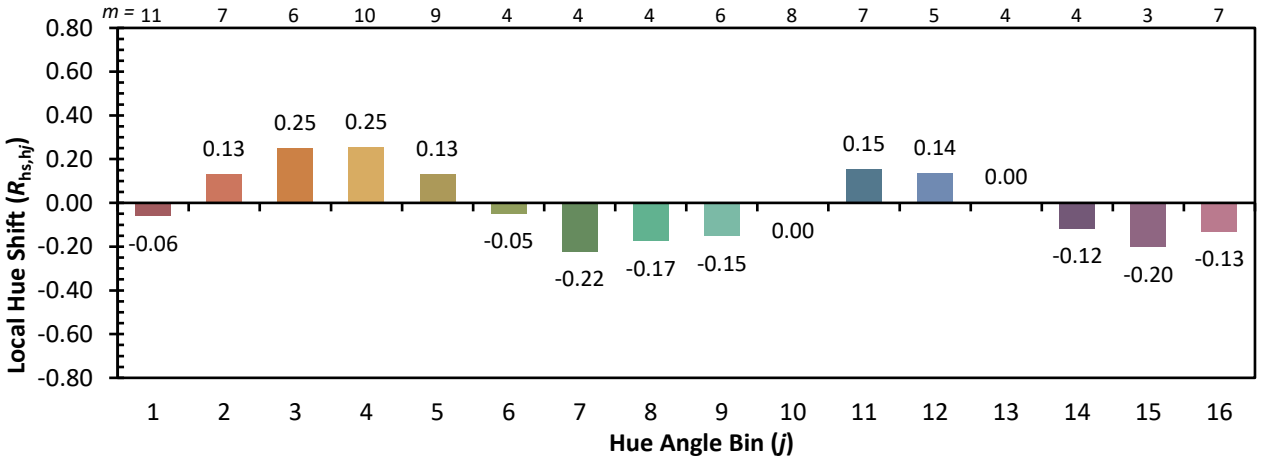


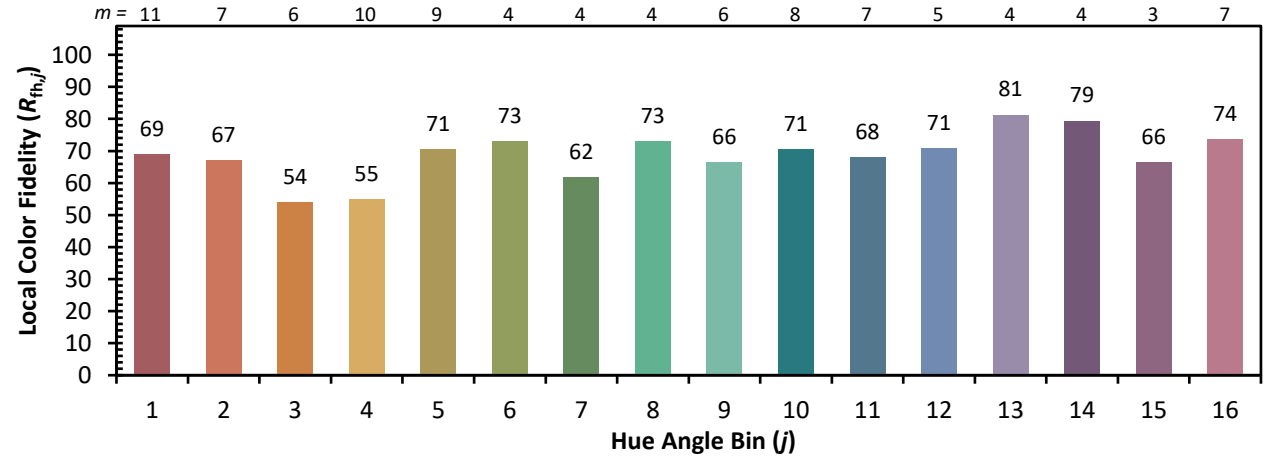
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Color Rendition by Hue-Angle Bin



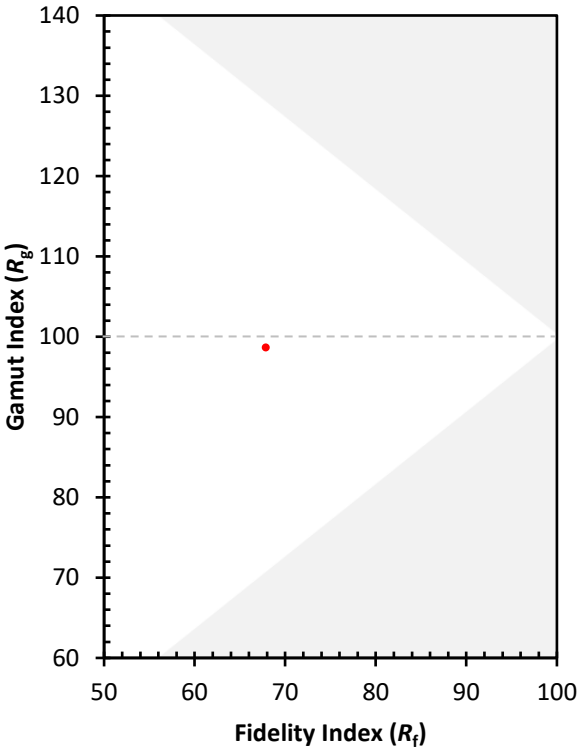


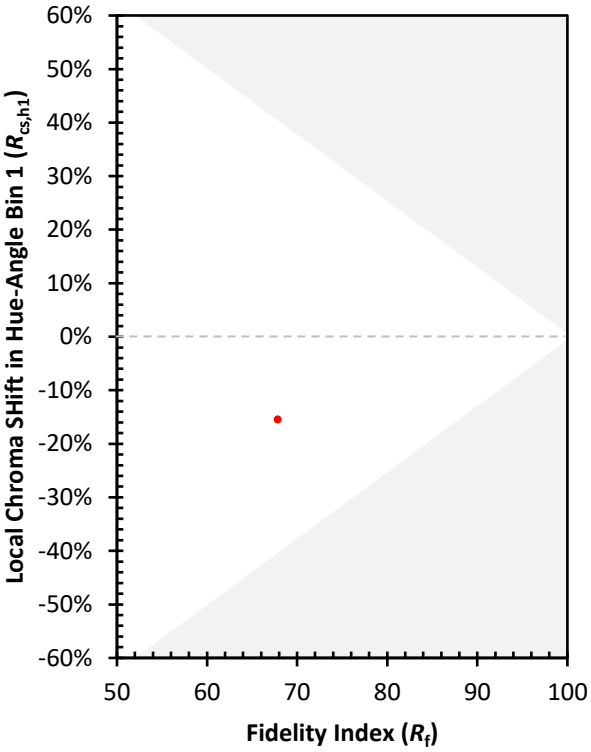


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Measure Comparisons





(END OF REPORT)