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: P1501881

Luminaire Tested: GSS-SB2A-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:	P1501881
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	7/20/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-827-U-T2LG-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 80CRI 2700K FIXTURE w/ TYPE II LOW GLARE DISTRIBUTION FIXTURE W/ HOUSE SIDE SHIELD
Light Source:	(52) 2700K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5865.7 lumens
Efficiency:	N/A
Efficacy:	101.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G1

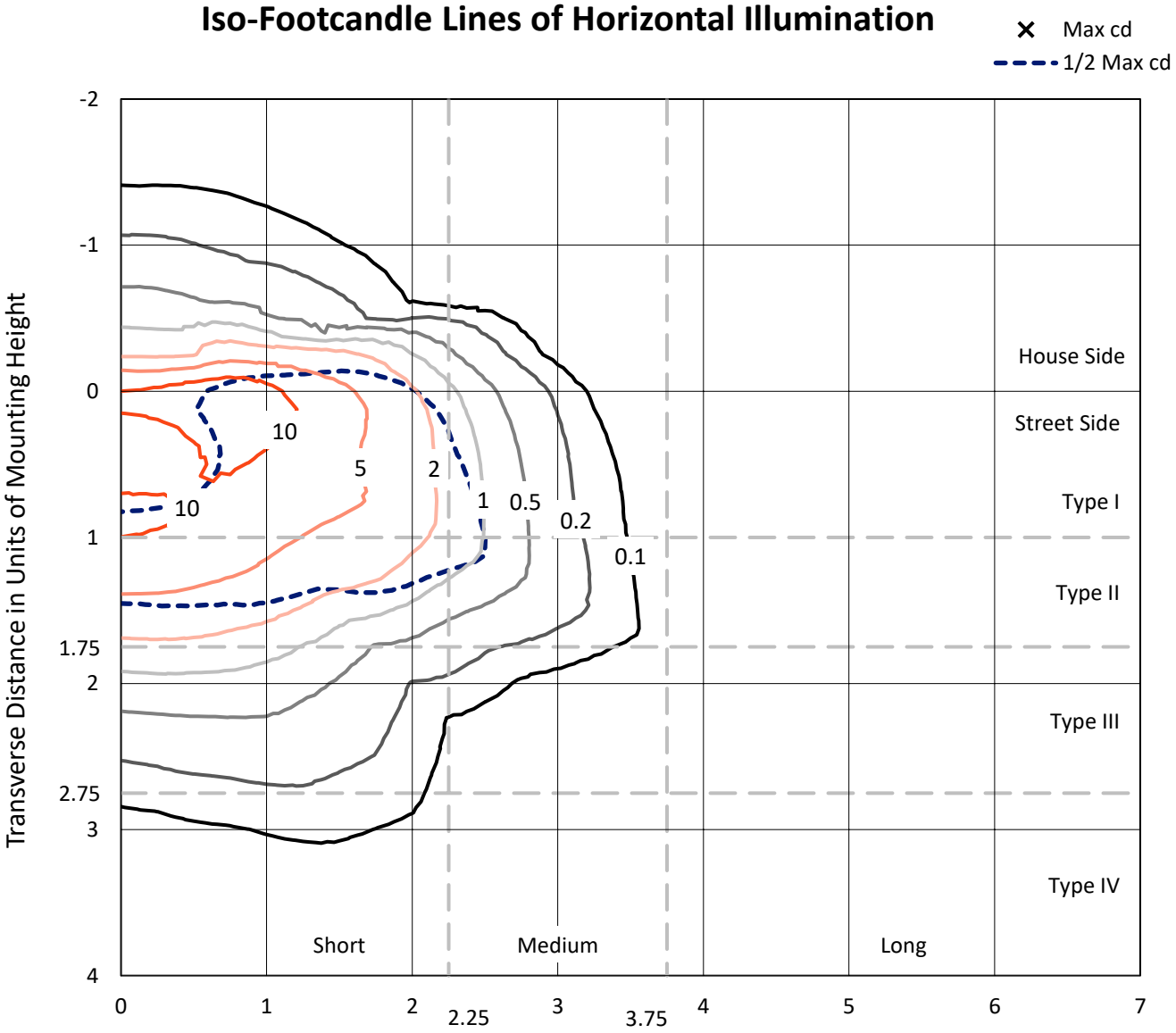
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



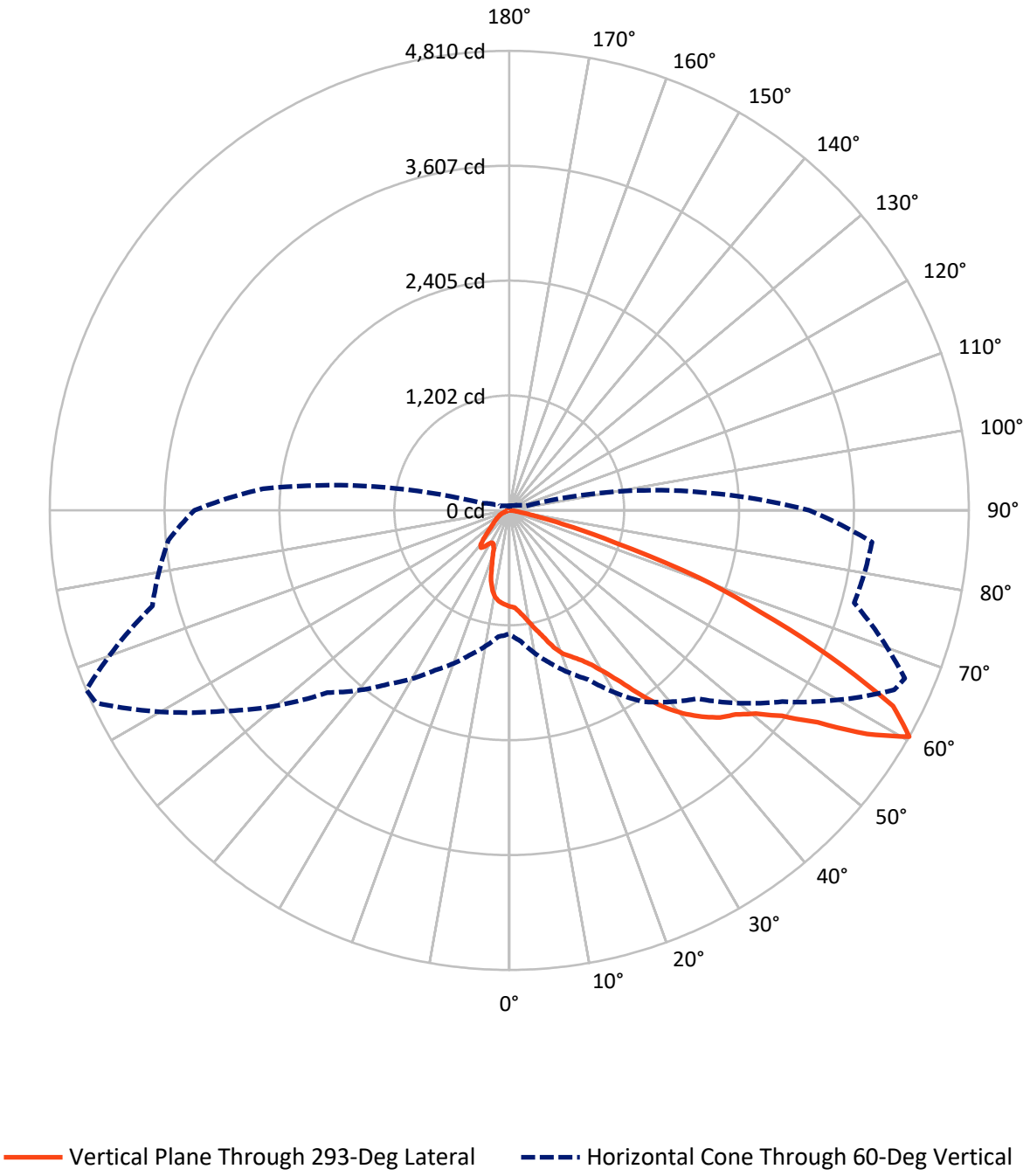
Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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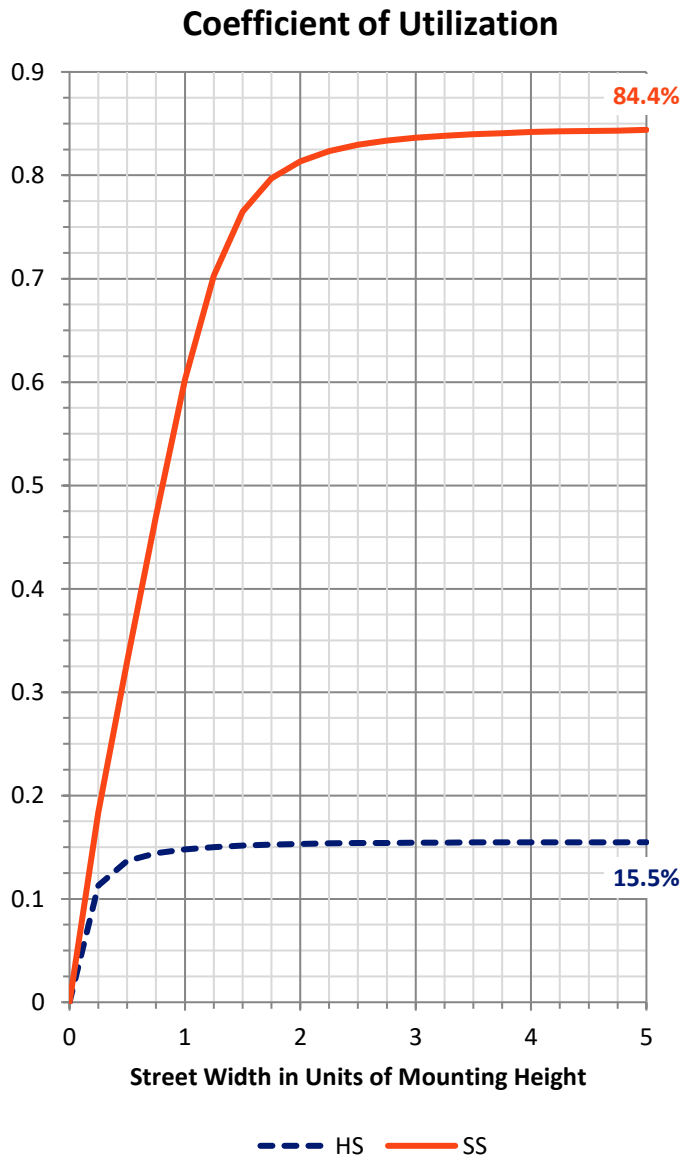
REPORT NUMBER: P1501881
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	915.2	0.0	915.2
	% Fixture	15.6	0.0	15.6
Street Side	Lumens	4950.5	0.0	4950.5
	% Fixture	84.4	0.0	84.4
Total	Lumens	5865.7	0.0	5865.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.0	1.6
10°-20°	229.3	3.9
20°-30°	428.0	7.3
30°-40°	848.7	14.5
40°-50°	1353.2	23.1
50°-60°	1616.7	27.6
60°-70°	1059.9	18.1
70°-80°	222.1	3.8
80°-90°	16.8	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°	5865.7	100.0
0°-180°	5865.7	100.0



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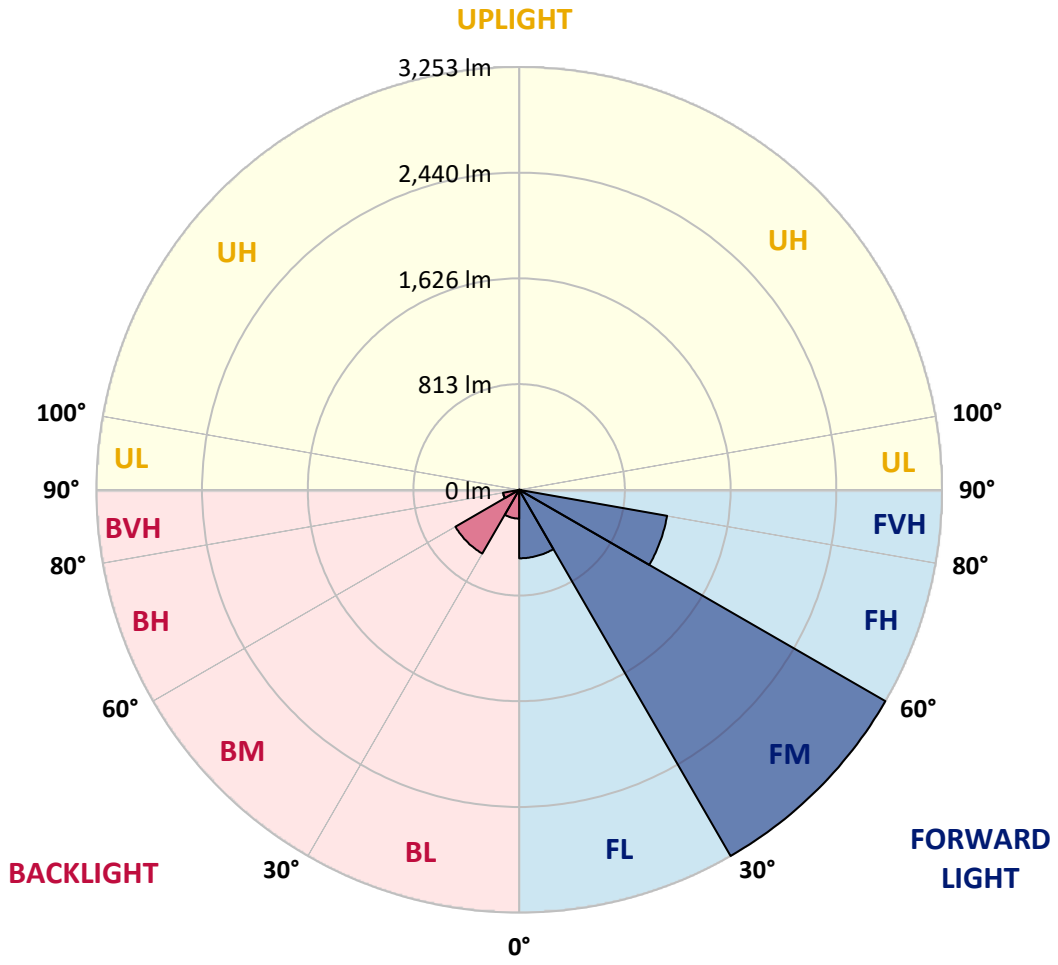
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	526.9	9.0			
FM	(30°-60°)	3252.7	55.5			
FH	(60°-80°)	1155.5	19.7			G1/1800
FVH	(80°-90°)	15.4	0.3			G1/100
BL	(0°-30°)	221.4	3.8	B1/500		
BM	(30°-60°)	565.9	9.6	B1/1000		
BH	(60°-80°)	126.4	2.2	B1/500		G1/500
BVH	(80°-90°)	1.4	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°	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3
2.5°	1056.2	1053.0	1048.0	1049.7	1048.0	1041.5	1031.6	1023.4	1030.0	1020.1	1013.5
5°	1087.4	1087.4	1084.2	1084.2	1085.8	1082.5	1076.0	1064.5	1066.1	1057.9	1036.5
7.5°	1087.4	1082.5	1090.7	1098.9	1113.7	1121.9	1125.2	1118.7	1121.9	1105.5	1077.6
10°	1023.4	1020.1	1041.5	1072.7	1115.4	1153.2	1177.8	1179.4	1184.4	1167.9	1135.1
12.5°	887.0	880.5	923.2	982.3	1069.4	1156.4	1225.4	1251.7	1263.2	1256.6	1210.6
15°	760.6	768.8	798.3	862.4	979.0	1112.1	1251.7	1338.8	1355.2	1363.4	1309.2
17.5°	747.4	749.1	758.9	790.1	878.8	1039.8	1255.0	1429.1	1452.1	1488.3	1414.3
20°	783.6	780.3	790.1	800.0	842.7	975.7	1223.8	1516.2	1560.5	1637.7	1557.3
22.5°	850.9	850.9	855.8	862.4	883.8	970.8	1210.6	1596.7	1672.2	1829.9	1736.3
25°	964.2	951.1	954.4	946.2	964.2	1030.0	1240.2	1660.7	1764.2	2043.5	1949.9
27.5°	1140.0	1144.9	1115.4	1071.0	1080.9	1136.7	1312.5	1733.0	1859.5	2265.2	2166.7
30°	1383.1	1374.9	1356.8	1269.8	1230.4	1279.6	1445.6	1851.3	1987.6	2546.1	2455.8
32.5°	1573.7	1596.7	1565.5	1504.7	1443.9	1458.7	1632.8	2041.8	2143.7	2804.0	2754.8
35°	1803.7	1803.7	1810.2	1724.8	1683.7	1680.5	1867.7	2248.8	2350.7	3037.3	3071.8
37.5°	2114.1	2092.8	2056.6	1961.4	1930.1	1971.2	2087.8	2462.4	2572.4	3226.2	3318.2
40°	2375.3	2390.1	2385.2	2247.2	2186.4	2230.7	2334.2	2644.7	2730.1	3347.8	3517.0
42.5°	2631.6	2639.8	2618.4	2552.7	2464.0	2467.3	2552.7	2782.7	2869.7	3464.4	3704.2
45°	2823.8	2822.1	2807.3	2790.9	2738.3	2684.1	2698.9	2935.5	3011.0	3502.2	3806.1
47.5°	2884.5	2897.7	2910.8	2956.8	2992.9	2907.5	2832.0	3017.6	3086.6	3495.6	3843.9
50°	2828.7	2856.6	2920.7	2989.7	3112.9	3106.3	2943.7	3106.3	3173.6	3531.7	3888.2
52.5°	2703.8	2731.8	2817.2	2942.0	3127.6	3219.6	3150.6	3255.8	3334.6	3623.7	3980.2
55°	2413.1	2424.6	2600.4	2764.6	3053.7	3170.4	3372.4	3508.7	3574.5	3735.4	4101.8
57.5°	1964.6	1992.6	2165.0	2432.8	2846.8	3040.6	3498.9	3940.8	3939.1	3842.2	4128.0
60°	*1292.8*	*1374.9*	*1655.8*	*1951.5*	*2445.9*	*2786.0*	*3490.7*	*4446.7*	*4497.6*	*3737.1*	*3811.0*
62.5°	987.2	1021.7	1181.1	1427.5	1810.2	2309.6	3436.5	4597.8	4637.3	3454.5	3336.3
65°	742.5	785.2	938.0	1158.1	1278.0	1565.5	3081.7	3996.6	4050.8	3083.3	2593.8
67.5°	455.0	489.5	693.2	951.1	967.5	972.5	2079.6	3027.4	3047.2	2487.0	1746.2
70°	303.9	338.4	479.7	731.0	770.4	560.2	1141.7	2291.5	2289.9	1701.8	1061.2
72.5°	175.8	192.2	303.9	538.8	606.1	356.5	570.0	1457.1	1393.0	800.0	496.1
75°	100.2	111.7	167.6	346.6	425.5	226.7	225.0	780.3	689.9	412.3	271.0
77.5°	60.8	65.7	92.0	226.7	256.3	152.8	124.8	363.0	349.9	241.5	142.9
80°	29.6	34.5	55.9	133.1	164.3	82.1	75.6	142.9	152.8	133.1	75.6
82.5°	9.9	13.1	31.2	50.9	106.8	32.9	31.2	78.8	83.8	78.8	36.1
85°	4.9	6.6	14.8	16.4	41.1	16.4	11.5	34.5	42.7	26.3	14.8
87.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
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°	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3
2.5°	1008.6	1005.3	998.7	987.2	985.6	977.4	964.2	956.0	949.5	954.4	956.0
5°	1026.7	1018.5	998.7	967.5	934.7	901.8	870.6	834.5	809.8	806.6	800.0
7.5°	1059.5	1043.1	1000.4	939.6	855.8	777.0	685.0	596.3	551.9	545.4	530.6
10°	1112.1	1084.2	1013.5	890.3	729.3	565.1	425.5	330.2	276.0	266.1	269.4
12.5°	1174.5	1135.1	1015.2	806.6	555.2	349.9	241.5	205.3	193.8	188.9	188.9
15°	1255.0	1197.5	1013.5	698.1	374.5	225.0	193.8	179.1	174.1	170.8	170.8
17.5°	1356.8	1281.3	1002.0	535.5	253.0	195.5	177.4	165.9	159.3	157.7	157.7
20°	1476.8	1374.9	975.7	399.2	211.9	182.3	167.6	152.8	147.8	144.6	144.6
22.5°	1629.5	1488.3	924.8	310.5	200.4	174.1	157.7	141.3	136.3	133.1	133.1
25°	1806.9	1632.8	857.5	279.3	198.8	167.6	147.8	131.4	126.5	124.8	123.2
27.5°	2017.2	1787.2	795.1	280.9	202.0	162.6	138.0	123.2	118.3	113.3	115.0
30°	2265.2	1946.6	744.1	300.6	205.3	157.7	131.4	118.3	113.3	106.8	106.8
32.5°	2510.0	2133.8	739.2	336.7	216.8	154.4	124.8	111.7	106.8	101.8	101.8
35°	2761.3	2304.7	767.1	384.4	239.8	149.5	116.6	105.1	100.2	96.9	95.3
37.5°	3001.2	2441.0	793.4	414.0	226.7	128.1	106.8	96.9	92.0	85.4	85.4
40°	3160.5	2514.9	798.3	391.0	187.3	115.0	96.9	87.1	80.5	77.2	75.6
42.5°	3277.1	2562.6	742.5	317.0	162.6	105.1	88.7	78.8	73.9	70.6	70.6
45°	3324.8	2546.1	647.2	241.5	149.5	96.9	80.5	72.3	69.0	65.7	65.7
47.5°	3318.2	2470.6	550.3	193.8	136.3	88.7	75.6	69.0	65.7	62.4	60.8
50°	3306.7	2399.9	451.7	172.5	121.6	83.8	70.6	65.7	60.8	57.5	55.9
52.5°	3382.3	2376.9	374.5	157.7	113.3	80.5	69.0	62.4	57.5	54.2	54.2
55°	3457.8	2386.8	294.0	147.8	105.1	78.8	67.3	60.8	55.9	50.9	50.9
57.5°	3452.9	2344.1	223.4	138.0	98.6	77.2	65.7	59.1	50.9	47.6	47.6
60°	*3139.1*	*2091.1*	*174.1*	*126.5*	*90.3*	*72.3*	*60.8*	*55.9*	*47.6*	*42.7*	*42.7*
62.5°	2654.6	1644.3	142.9	111.7	80.5	65.7	55.9	50.9	42.7	34.5	34.5
65°	1961.4	1186.0	115.0	96.9	73.9	57.5	50.9	44.4	34.5	27.9	26.3
67.5°	1327.3	729.3	92.0	80.5	65.7	49.3	42.7	37.8	31.2	23.0	21.4
70°	786.8	387.7	67.3	55.9	49.3	36.1	36.1	32.9	26.3	19.7	18.1
72.5°	374.5	134.7	49.3	41.1	37.8	26.3	27.9	27.9	21.4	14.8	13.1
75°	190.5	65.7	32.9	29.6	24.6	19.7	23.0	21.4	14.8	9.9	9.9
77.5°	108.4	46.0	23.0	19.7	16.4	13.1	14.8	13.1	8.2	4.9	4.9
80°	60.8	32.9	14.8	13.1	9.9	8.2	8.2	6.6	4.9	1.6	1.6
82.5°	23.0	19.7	9.9	6.6	4.9	4.9	3.3	3.3	1.6	0.0	0.0
85°	9.9	4.9	4.9	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	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°	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3
2.5°	942.9	946.2	949.5	962.6	965.9	975.7	984.0	993.8	995.5	1008.6	1008.6
5°	813.1	811.5	839.4	880.5	906.8	942.9	970.8	1000.4	1016.8	1038.2	1048.0
7.5°	538.8	579.9	642.3	714.6	808.2	895.3	961.0	1018.5	1057.9	1082.5	1092.4
10°	267.8	290.8	356.5	474.7	634.1	811.5	951.1	1057.9	1121.9	1149.9	1167.9
12.5°	188.9	193.8	205.3	269.4	422.2	673.5	919.9	1100.6	1189.3	1241.9	1264.9
15°	169.2	172.5	177.4	195.5	261.2	502.7	864.0	1148.2	1294.4	1355.2	1384.8
17.5°	156.1	157.7	162.6	177.4	205.3	341.7	773.7	1199.2	1420.9	1494.8	1550.7
20°	144.6	144.6	149.5	167.6	190.5	262.8	643.9	1256.6	1581.9	1688.7	1744.5
22.5°	131.4	134.7	138.0	157.7	185.6	239.8	522.4	1301.0	1760.9	1890.7	1956.4
25°	121.6	124.8	128.1	147.8	180.7	239.8	451.7	1328.9	1961.4	2115.8	2206.1
27.5°	113.3	116.6	121.6	141.3	175.8	249.7	423.8	1337.1	2179.8	2380.2	2501.8
30°	106.8	110.1	115.0	136.3	179.1	261.2	433.7	1325.6	2401.6	2652.9	2797.5
32.5°	100.2	103.5	108.4	131.4	179.1	276.0	466.5	1302.6	2616.8	2925.6	3103.0
35°	95.3	96.9	98.6	118.3	162.6	274.3	507.6	1279.6	2833.6	3195.0	3402.0
37.5°	85.4	87.1	90.3	101.8	129.8	249.7	515.8	1251.7	3004.4	3421.7	3650.0
40°	75.6	78.8	82.1	93.6	108.4	202.0	479.7	1192.6	3094.8	3595.8	3873.4
42.5°	69.0	70.6	73.9	85.4	100.2	161.0	402.5	1089.1	3175.3	3714.1	4036.0
45°	64.1	65.7	69.0	77.2	93.6	139.6	317.0	962.6	3181.9	3751.9	4114.9
47.5°	59.1	60.8	62.4	70.6	90.3	124.8	243.1	847.6	3180.2	3801.1	4182.2
50°	55.9	57.5	60.8	67.3	85.4	111.7	200.4	754.0	3249.2	3907.9	4318.6
52.5°	54.2	54.2	59.1	65.7	80.5	101.8	167.6	670.2	3285.3	4013.0	4417.1
55°	50.9	52.6	55.9	62.4	75.6	96.9	142.9	565.1	3301.8	4065.6	4435.2
57.5°	47.6	49.3	54.2	59.1	72.3	92.0	123.2	422.2	3066.9	3791.3	4133.0
60°	*42.7*	*46.0*	*52.6*	*57.5*	*67.3*	*83.8*	*108.4*	*285.8*	*2587.2*	*3295.2*	*3581.0*
62.5°	34.5	41.1	47.6	50.9	60.8	70.6	92.0	190.5	2066.5	2726.8	3052.1
65°	26.3	34.5	39.4	44.4	50.9	59.1	77.2	129.8	1378.2	1834.9	2201.2
67.5°	23.0	29.6	32.9	36.1	42.7	50.9	62.4	90.3	836.1	1102.2	1463.6
70°	18.1	24.6	27.9	26.3	32.9	39.4	44.4	60.8	427.1	597.9	832.8
72.5°	13.1	19.7	21.4	21.4	19.7	27.9	32.9	42.7	185.6	290.8	377.8
75°	9.9	13.1	14.8	13.1	11.5	18.1	23.0	27.9	121.6	174.1	220.1
77.5°	4.9	4.9	8.2	8.2	4.9	9.9	11.5	16.4	69.0	101.8	126.5
80°	1.6	0.0	0.0	1.6	0.0	3.3	4.9	8.2	36.1	54.2	78.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	18.1	16.4	41.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	9.9
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: P1501881
CATALOG NUMBER: GSS-SB2A-827-U-T2LG-HSS

CANDELA DISTRIBUTION (continued):

	285°	293°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1005.3	*1005.3*	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3	1005.3
2.5°	1016.8	*1016.8*	1023.4	1033.2	1038.2	1041.5	1043.1	1046.4	1059.5	1056.2
5°	1059.5	*1062.8*	1067.7	1077.6	1089.1	1085.8	1085.8	1085.8	1094.0	1087.4
7.5°	1115.4	*1125.2*	1126.9	1138.4	1130.2	1113.7	1103.9	1089.1	1087.4	1087.4
10°	1205.7	*1202.4*	1202.4	1187.7	1158.1	1110.4	1067.7	1038.2	1021.7	1023.4
12.5°	1302.6	*1289.5*	1291.1	1236.9	1153.2	1048.0	961.0	896.9	892.0	887.0
15°	1422.6	*1388.1*	1381.5	1256.6	1079.2	918.3	832.8	781.9	765.5	760.6
17.5°	1593.4	*1506.3*	1475.1	1222.1	982.3	837.8	773.7	750.7	749.1	747.4
20°	1774.1	*1601.6*	1542.5	1171.2	949.5	839.4	791.8	785.2	781.9	783.6
22.5°	1984.3	*1662.4*	1586.8	1179.4	979.0	893.6	855.8	850.9	847.6	850.9
25°	2201.2	*1733.0*	1639.4	1245.1	1067.7	993.8	949.5	939.6	949.5	964.2
27.5°	2419.7	*1828.3*	1742.9	1374.9	1210.6	1130.2	1087.4	1123.6	1138.4	1140.0
30°	2613.5	*1961.4*	1882.5	1557.3	1373.3	1292.8	1301.0	1347.0	1365.1	1383.1
32.5°	2790.9	*2138.8*	2078.0	1764.2	1583.5	1535.9	1531.0	1565.5	1585.2	1573.7
35°	2970.0	*2370.4*	2311.2	1989.3	1841.4	1802.0	1760.9	1828.3	1821.7	1803.7
37.5°	3139.1	*2603.6*	2549.4	2230.7	2078.0	2009.0	2002.4	2063.2	2117.4	2114.1
40°	3260.7	*2792.5*	2726.8	2470.6	2326.0	2266.9	2301.4	2406.5	2393.4	2375.3
42.5°	3372.4	*2953.5*	2894.4	2680.8	2529.7	2556.0	2587.2	2657.8	2649.6	2631.6
45°	3425.0	*3091.5*	3040.6	2840.2	2766.3	2850.0	2848.4	2874.7	2830.3	2823.8
47.5°	3498.9	*3190.1*	3137.5	2983.1	3048.8	3083.3	2986.4	2958.5	2917.4	2884.5
50°	3635.2	*3342.8*	3290.3	3199.9	3255.8	3149.0	3030.7	2970.0	2886.2	2828.7
52.5°	3794.6	*3574.5*	3528.5	3492.3	3336.3	3116.1	2965.0	2855.0	2753.1	2703.8
55°	3995.0	*3916.1*	3883.3	3684.5	3264.0	2981.5	2804.0	2598.7	2459.1	2413.1
57.5°	4060.7	*4417.1*	4405.6	3715.7	3061.9	2736.7	2416.4	2138.8	1994.2	1964.6
60°	*3866.9*	*4809.7*	*4768.7*	*3663.2*	*2695.6*	*2220.9*	*1846.4*	*1562.2*	*1327.3*	*1292.8*
62.5°	3618.8	*4509.1*	4494.4	3398.7	2053.3	1591.7	1379.8	1113.7	1013.5	987.2
65°	3099.7	*3689.4*	3696.0	2726.8	1299.4	1143.3	1133.4	885.4	762.2	742.5
67.5°	2386.8	*2830.3*	2784.3	1714.9	757.3	915.0	905.1	647.2	468.2	455.0
70°	1394.6	*2107.5*	2033.6	892.0	501.0	763.8	696.5	455.0	318.7	303.9
72.5°	616.0	*1159.7*	1245.1	392.6	353.2	607.8	502.7	279.3	179.1	175.8
75°	341.7	*574.9*	601.2	170.8	248.0	432.0	303.9	156.1	101.8	100.2
77.5°	205.3	*254.6*	248.0	110.1	185.6	276.0	184.0	88.7	64.1	60.8
80°	115.0	*116.6*	98.6	80.5	110.1	154.4	103.5	55.9	29.6	29.6
82.5°	70.6	*64.1*	50.9	24.6	29.6	93.6	37.8	31.2	9.9	9.9
85°	29.6	*19.7*	13.1	4.9	11.5	24.6	13.1	14.8	4.9	4.9
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

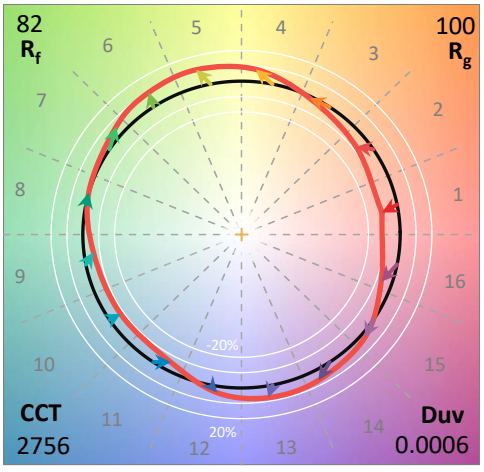
Test Information

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

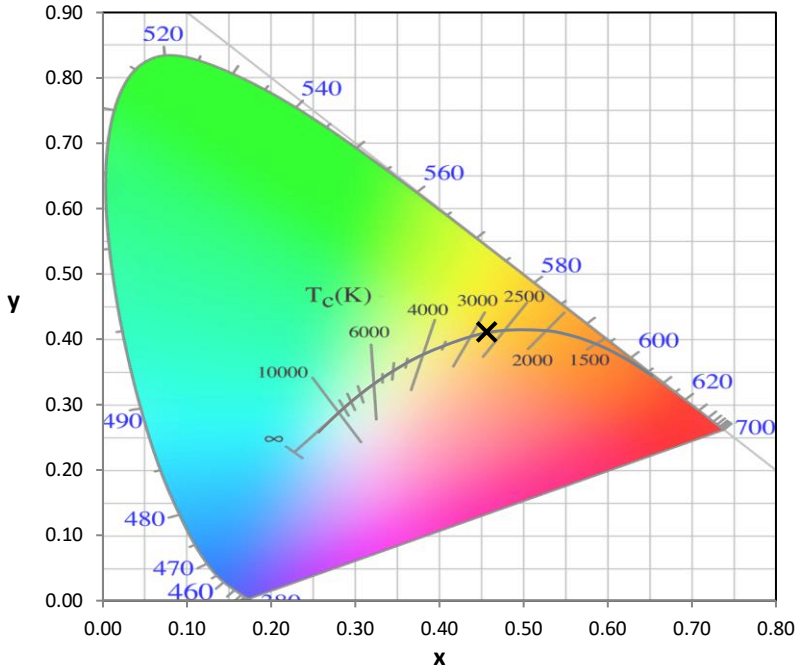
Stabilization Time:	29M
Operation Time:	1H 29M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-8

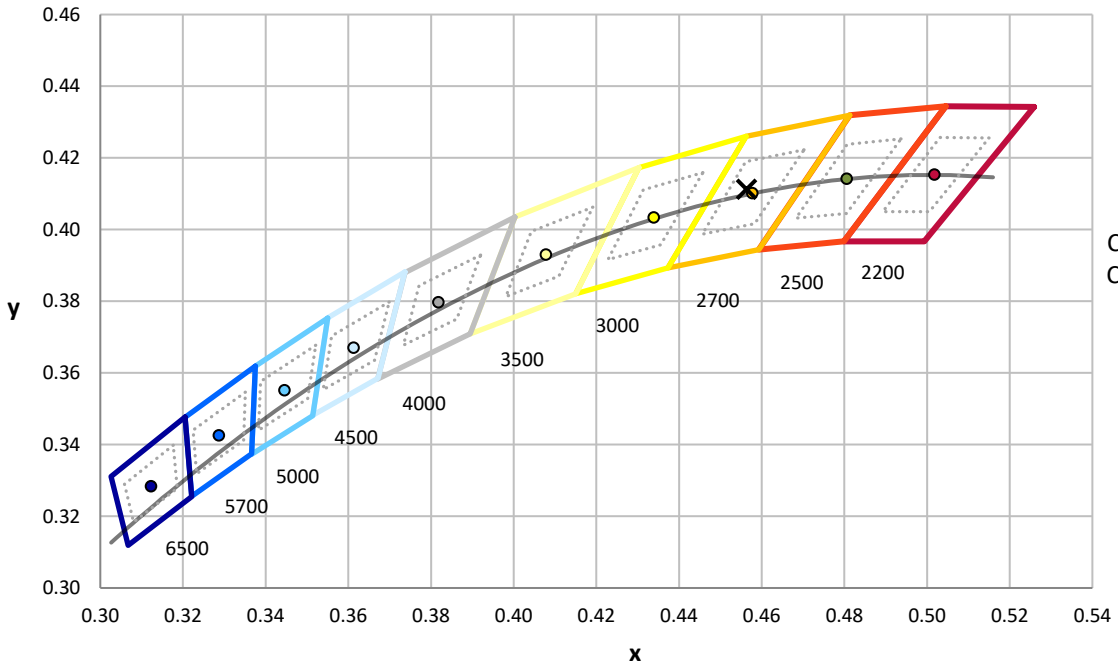
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

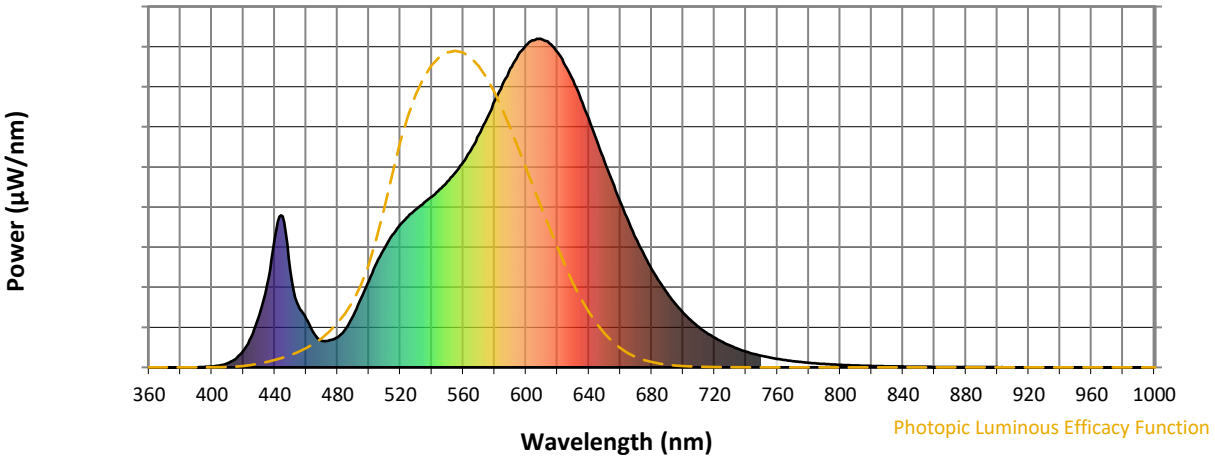


CCT = 2756K
CIE x = 0.4563
CIE y = 0.4112
Duv = 0.0006

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-8

Photopic Flux vs. Wavelength

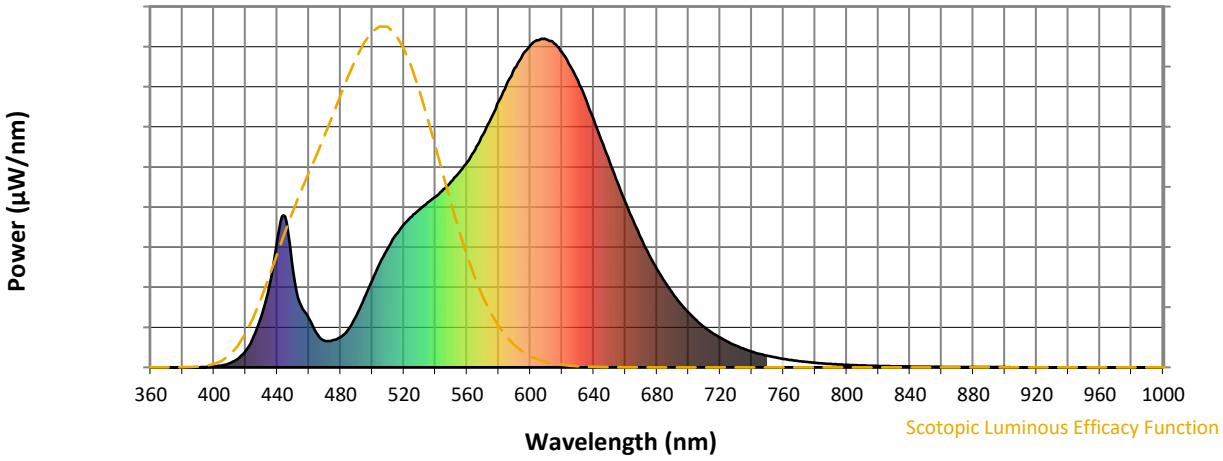


Photopic Lumens: NR

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

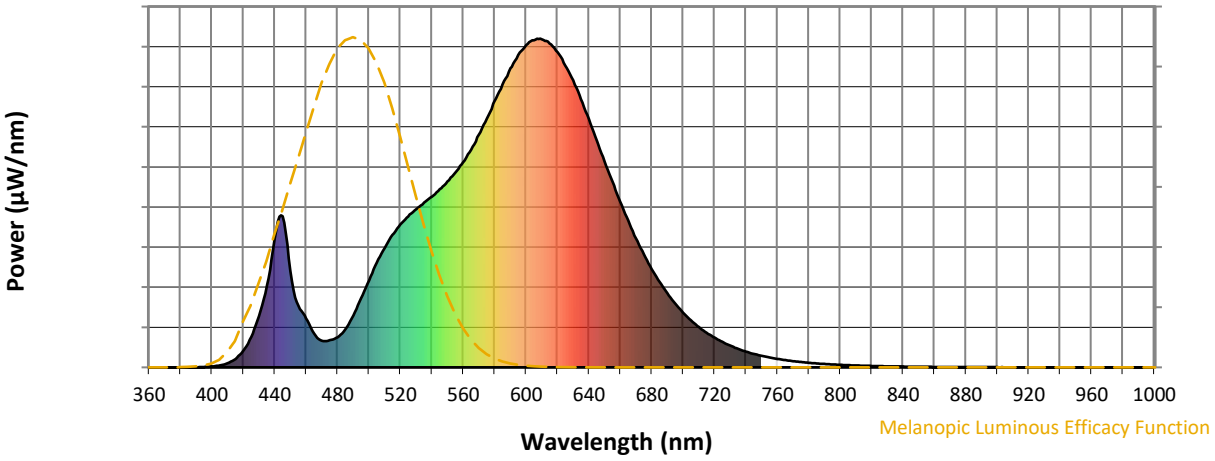


Scotopic Lumens: NR **S/P: 1.2**

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			

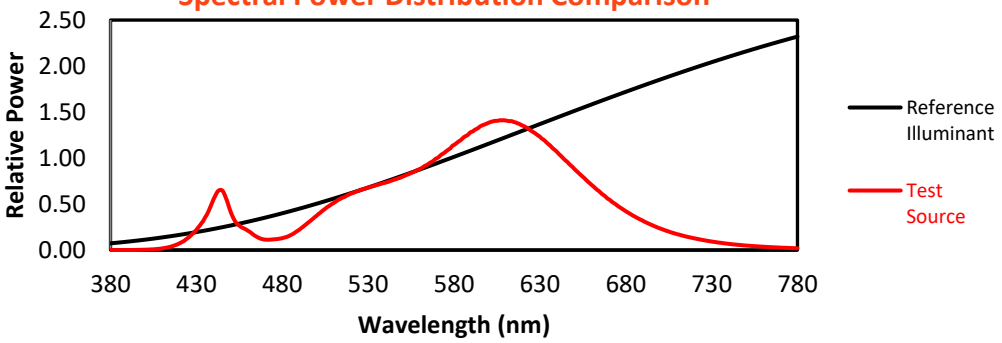
REPORT NUMBER: SP1-2407-184-8

TM-30-18

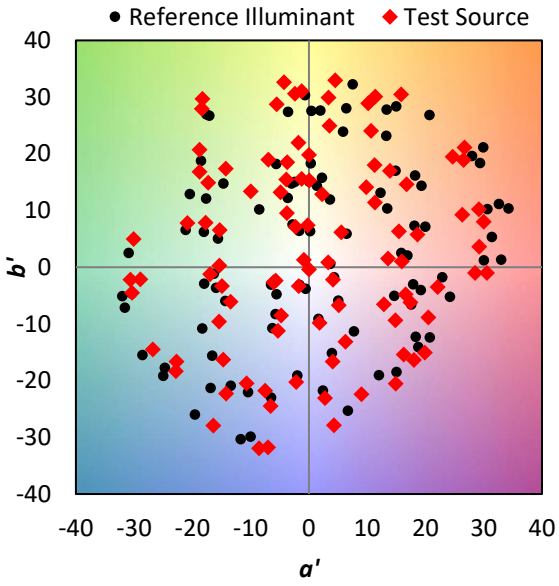
Summary

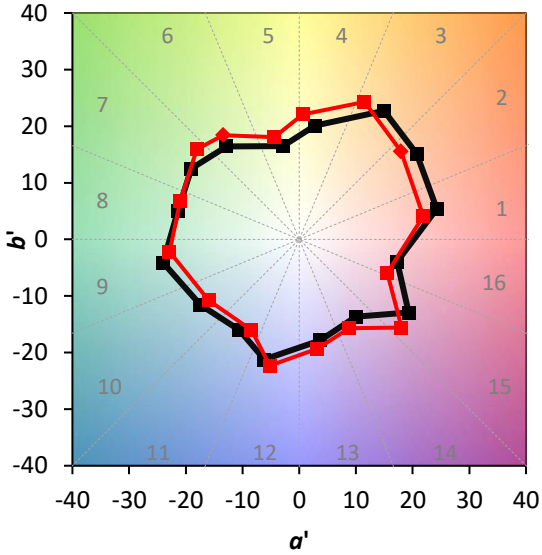
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R_g = 99.9
CIE R_a = 82.9
R_9 = 10.8

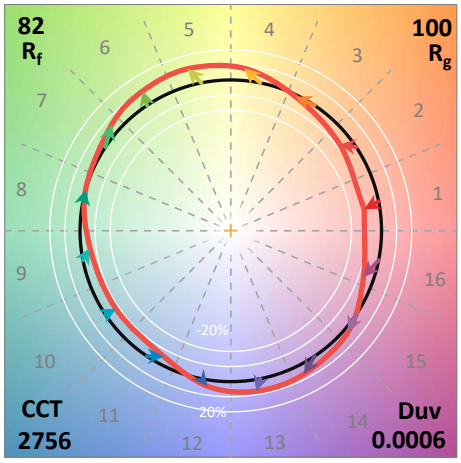
Spectral Power Distribution Comparison

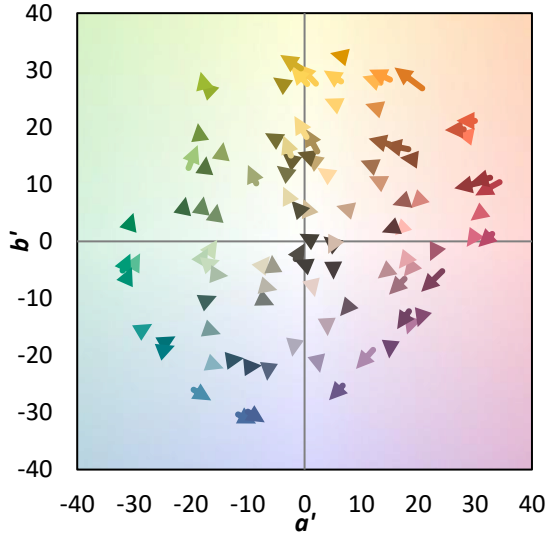


Color Vector Graphics







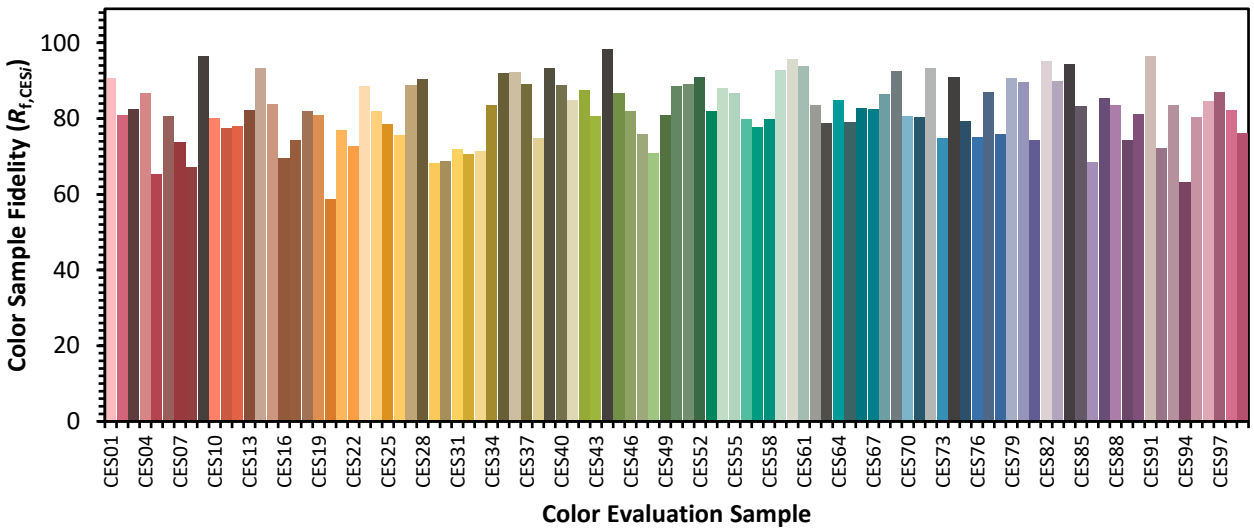


REPORT NUMBER: SP1-2407-184-8

TM-30-18

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

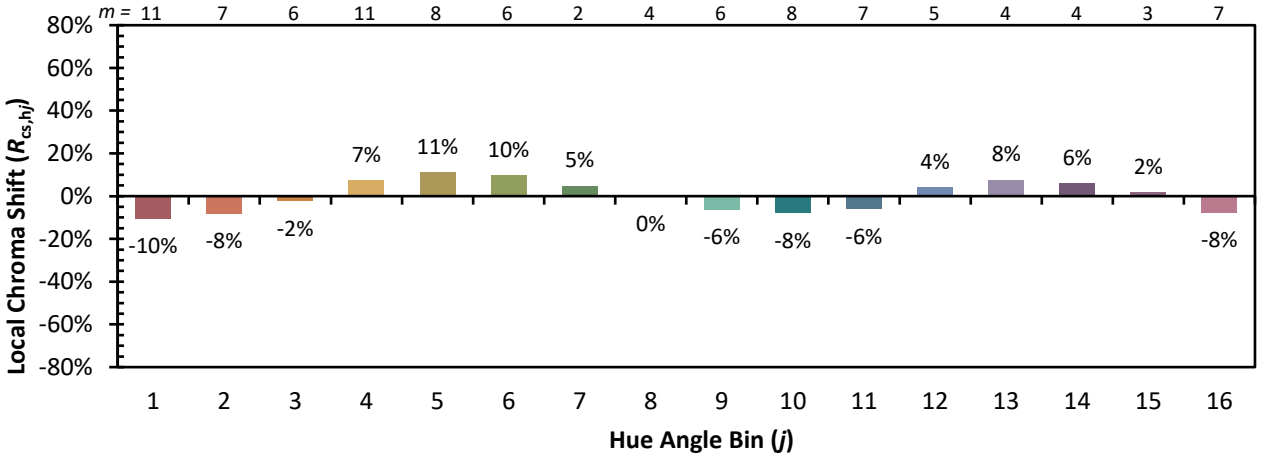
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CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 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
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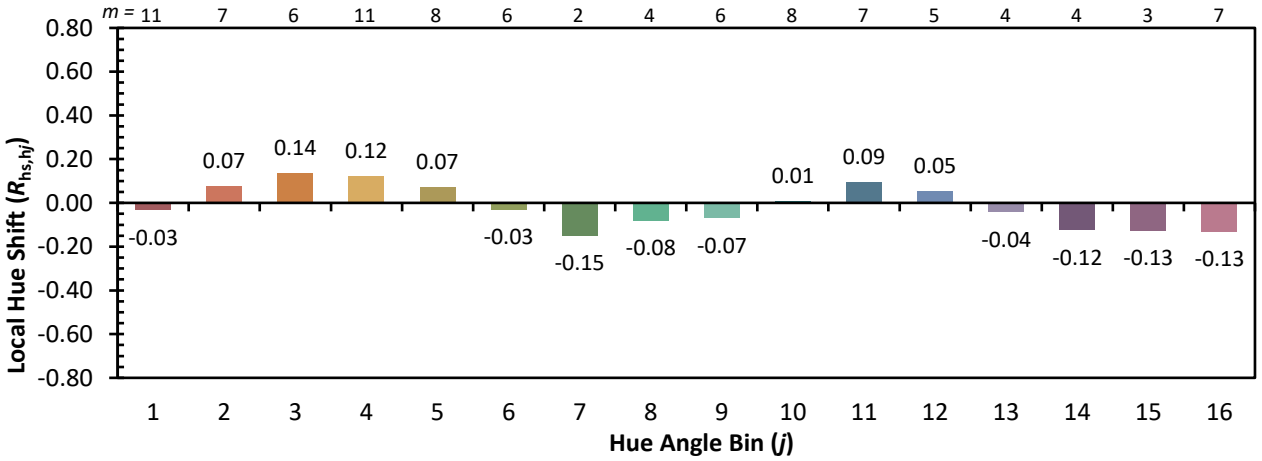


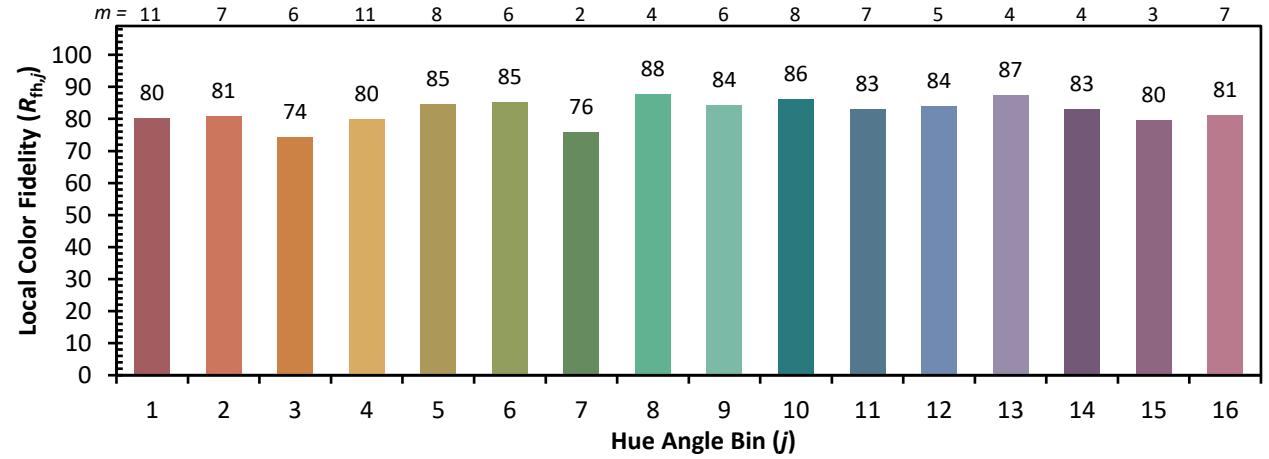
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Color Rendition by Hue-Angle Bin



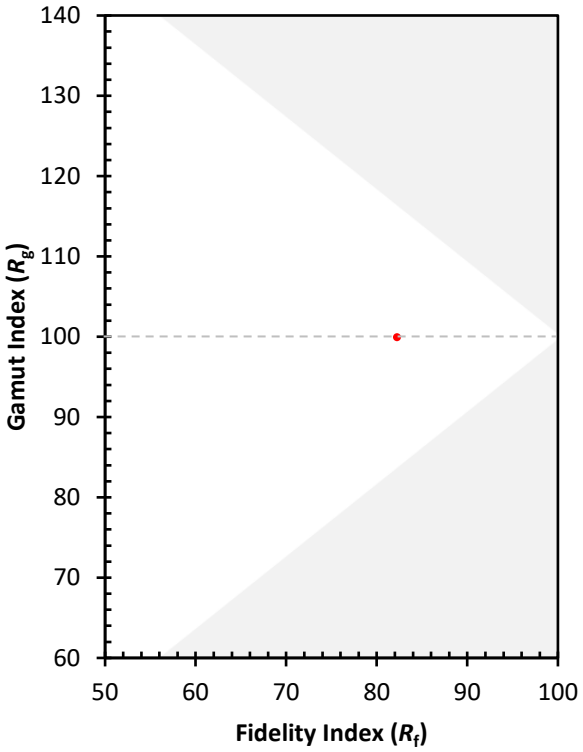


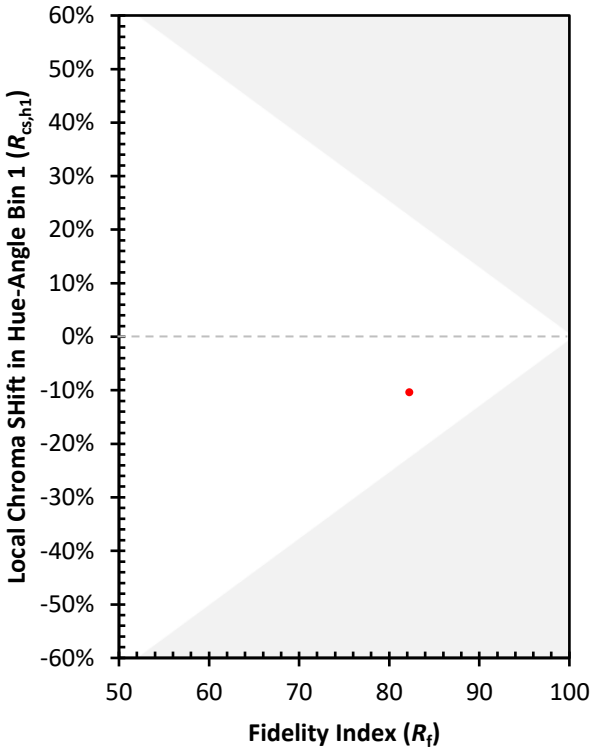


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Measure Comparisons





(END OF REPORT)