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: P1365321

Luminaire Tested: **GSS-SB1C-727-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365321
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1C-727-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 52W 70CRI 2700K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4748.2 lumens
Efficiency:	N/A
Efficacy:	91.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

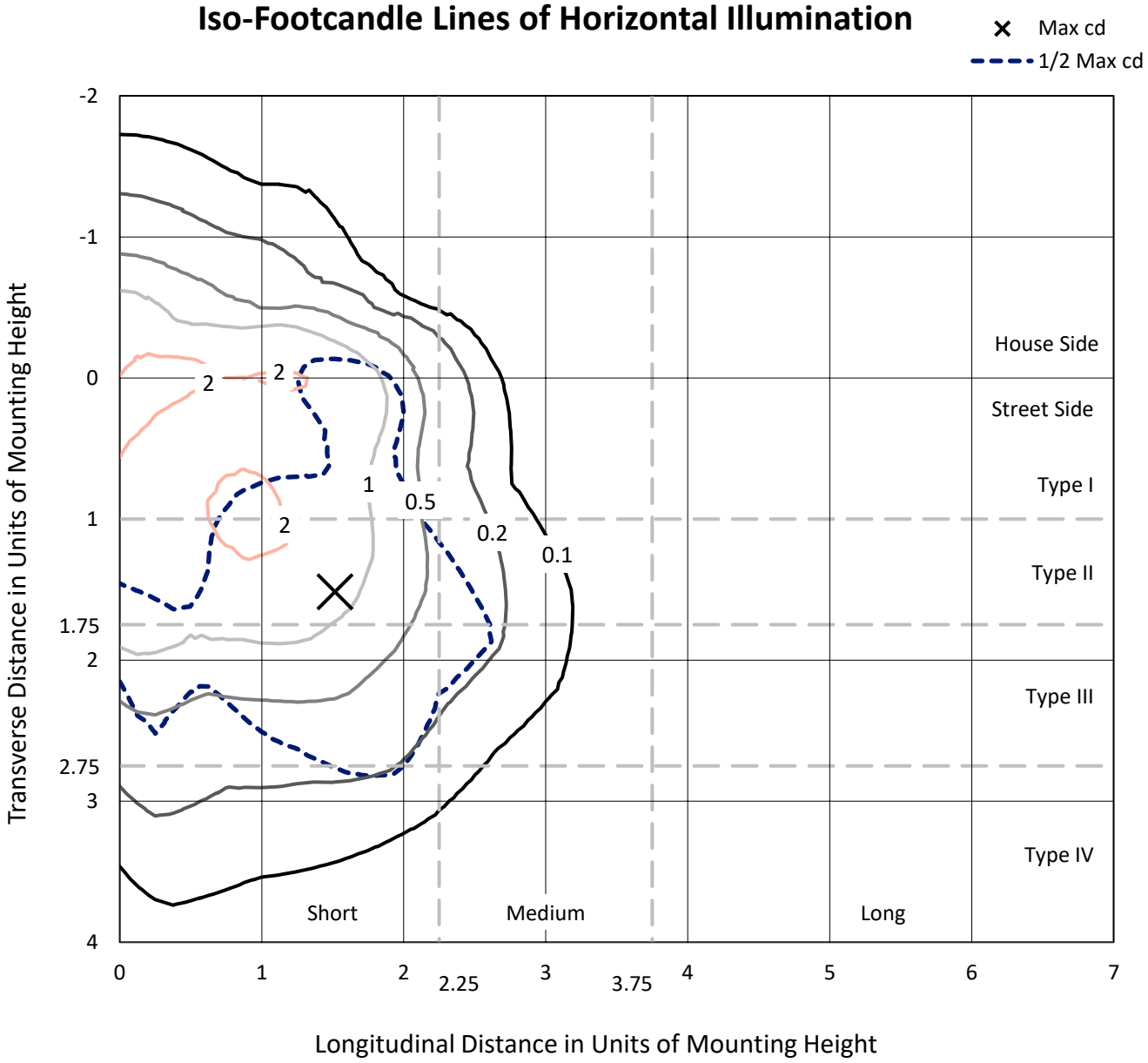
Input Watts (W):	52
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	10.1%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



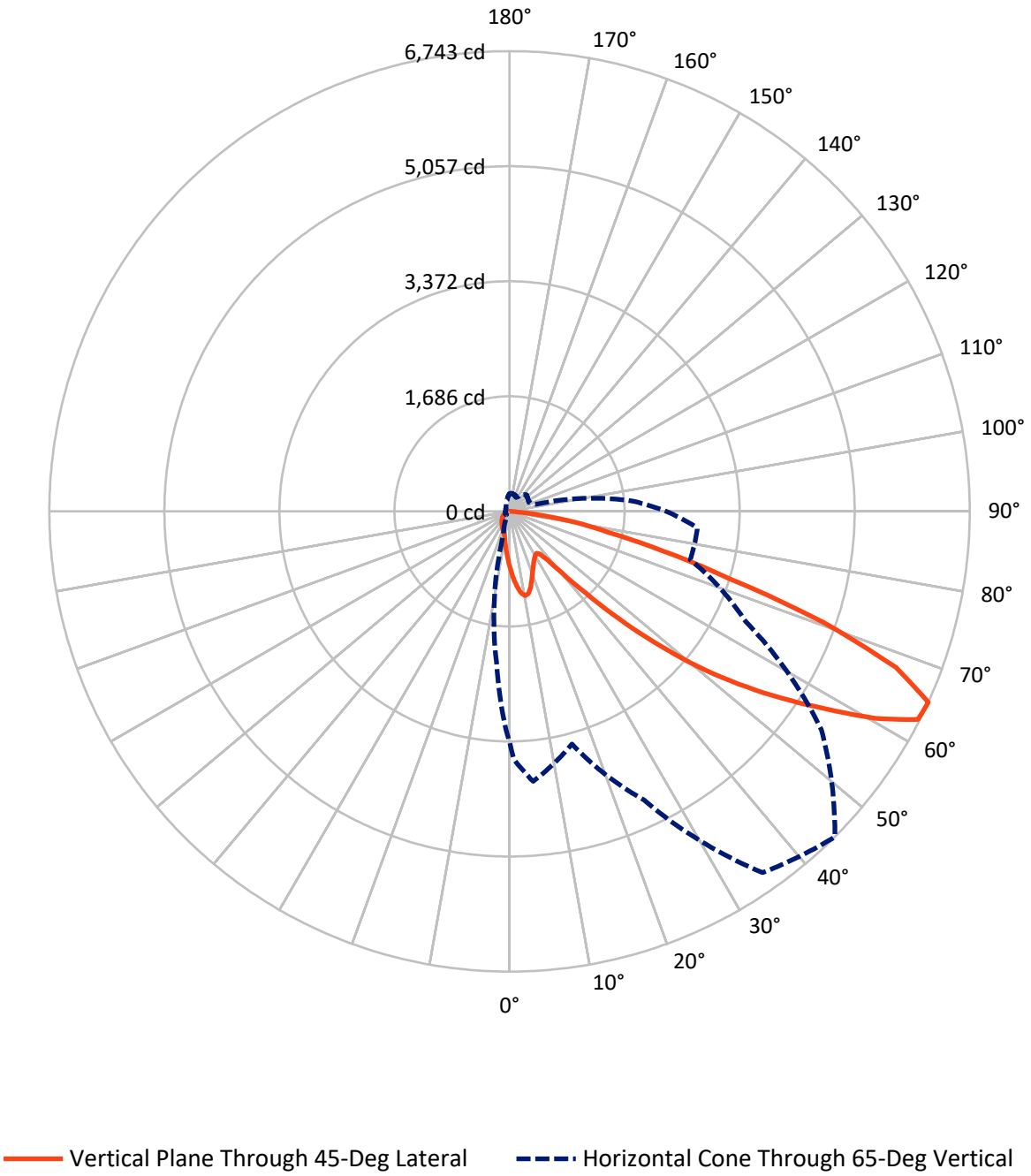
Based on 20 foot mounting height. Maximum calculated value = 3 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

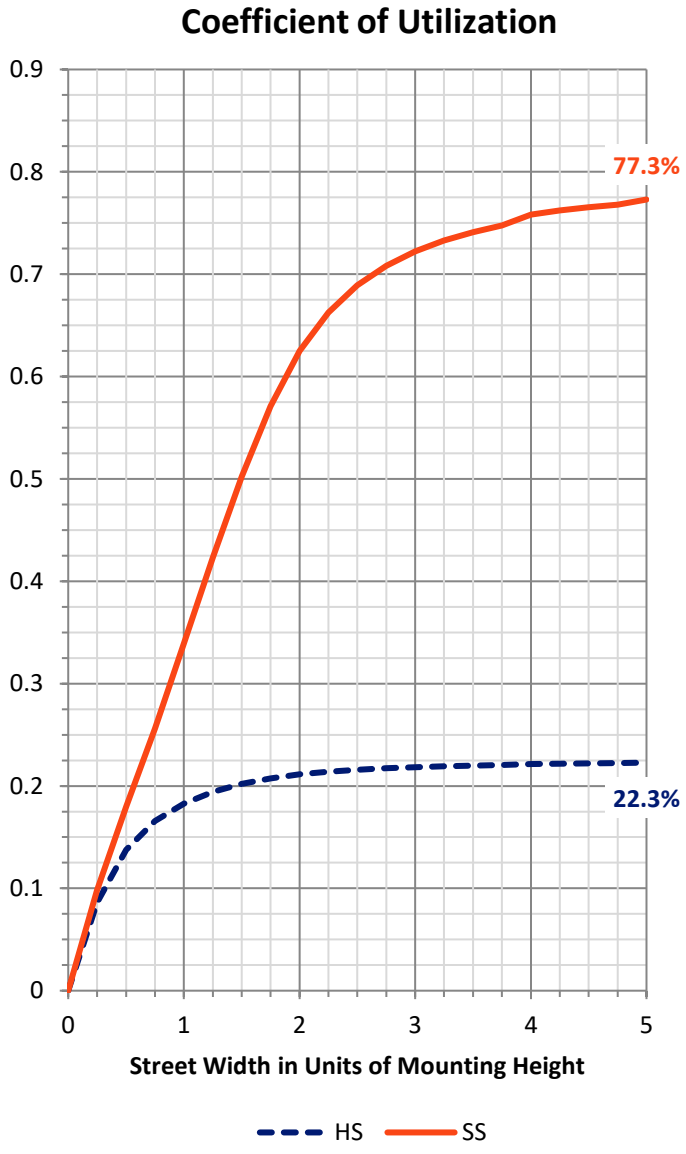
REPORT NUMBER: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1068.1	0.0	1068.1
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3680.1	0.0	3680.1
	% Fixture	77.5	0.0	77.5
Total	Lumens	4748.2	0.0	4748.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	1.7
10°-20°	218.0	4.6
20°-30°	312.3	6.6
30°-40°	391.7	8.3
40°-50°	643.5	13.6
50°-60°	1161.9	24.5
60°-70°	1289.9	27.2
70°-80°	583.0	12.3
80°-90°	69.0	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°	4748.2	100.0
0°-180°	4748.2	100.0



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

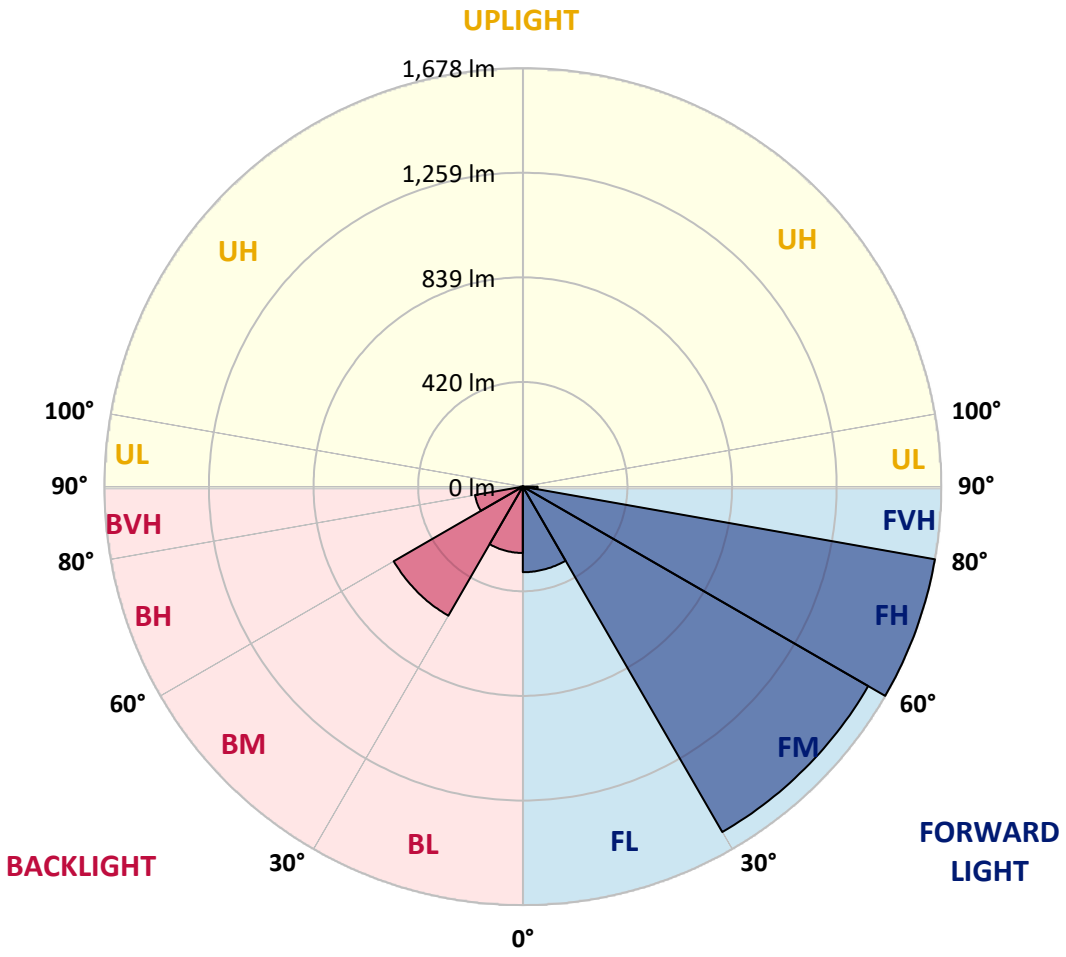
Scaled Data Report

REPORT NUMBER: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	343.0	7.2			
FM	(30°-60°)	1599.5	33.7			
FH	(60°-80°)	1678.3	35.3			G1/1800
FVH	(80°-90°)	59.3	1.2			G1/100
BL	(0°-30°)	266.2	5.6	B1/500		
BM	(30°-60°)	597.6	12.6	B1/1000		
BH	(60°-80°)	194.6	4.1	B1/500		G1/500
BVH	(80°-90°)	9.8	0.2			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 III Short



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

Scaled Data Report

REPORT NUMBER: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	820.3	820.3	820.3	820.3	820.3	820.3	*820.3*	820.3	820.3	820.3	820.3
2.5°	903.4	915.0	913.6	929.6	944.2	954.3	*963.1*	960.2	952.9	938.3	928.1
5°	998.1	1006.8	1021.4	1052.0	1075.3	1095.7	*1092.8*	1095.7	1073.8	1052.0	1025.7
7.5°	1079.7	1089.9	1110.3	1154.0	1183.1	1207.9	*1205.0*	1196.2	1171.4	1135.0	1095.7
10°	1130.6	1137.9	1159.8	1209.3	1242.8	1263.2	*1256.0*	1241.4	1209.3	1172.9	1126.3
12.5°	1152.5	1161.2	1180.2	1219.5	1241.4	1237.0	*1234.1*	1231.2	1215.2	1187.5	1145.2
15°	1155.4	1161.2	1175.8	1193.3	1184.6	1159.8	*1154.0*	1175.8	1196.2	1190.4	1155.4
17.5°	1155.4	1164.2	1167.1	1149.6	1104.4	1059.3	*1053.4*	1089.9	1146.7	1191.8	1171.4
20°	1159.8	1164.2	1158.3	1101.5	1017.0	967.5	*957.3*	1002.4	1086.9	1175.8	1187.5
22.5°	1165.6	1170.0	1145.2	1044.7	945.6	893.2	*887.3*	920.8	1019.9	1152.5	1205.0
25°	1177.3	1174.4	1136.5	995.1	883.0	833.4	*824.7*	868.4	964.5	1129.2	1234.1
27.5°	1191.8	1178.7	1124.8	954.3	837.8	785.3	*779.5*	821.8	917.9	1100.1	1258.9
30°	1210.8	1197.7	1123.4	922.3	804.3	751.8	*744.5*	791.2	885.9	1079.7	1293.8
32.5°	1237.0	1218.1	1124.8	897.5	785.3	735.8	*731.4*	781.0	872.8	1068.0	1330.3
35°	1272.0	1244.3	1130.6	888.8	791.2	757.7	*767.9*	805.7	885.9	1076.7	1390.0
37.5°	1315.7	1289.5	1159.8	907.7	855.3	878.6	*904.8*	919.4	948.5	1117.5	1486.2
40°	1388.5	1352.1	1203.5	968.9	1027.2	1136.5	*1187.5*	1181.6	1114.6	1210.8	1621.7
42.5°	1490.5	1457.0	1292.4	1124.8	1314.2	1545.9	*1631.9*	1582.3	1379.8	1359.4	1844.6
45°	1646.4	1591.1	1411.9	1356.5	1661.0	2041.3	*2235.1*	2064.6	1716.4	1594.0	2162.2
47.5°	1846.0	1790.7	1598.4	1588.2	2048.6	2653.2	*2883.4*	2548.3	2050.0	1901.4	2542.5
50°	2166.6	2105.4	1872.3	1824.2	2476.9	3263.7	*3571.2*	3030.6	2389.5	2227.8	3011.7
52.5°	2606.6	2565.8	2306.5	2067.5	2860.1	3936.9	*4202.1*	3534.7	2651.8	2600.8	3523.1
55°	3220.0	3180.7	2871.8	2338.5	3222.9	4611.5	*4825.7*	3993.7	2880.5	3037.9	4057.8
57.5°	3915.0	3980.6	3645.5	2699.9	3604.7	5154.9	*5453.6*	4410.4	3189.4	3622.2	4652.3
60°	4368.2	4575.0	4532.8	3330.8	4197.7	5831.0	*6155.9*	4968.4	3641.1	4052.0	4639.2
62.5°	3974.8	4181.7	4505.1	4062.2	4768.8	6443.0	*6716.9*	5555.6	4089.9	3709.6	3896.1
65°	*3373.0*	*3630.9*	*3971.8*	*3528.9*	*4668.3*	*6461.9*	*6743.1*	*5577.5*	*3815.9*	*2742.1*	*2762.5*
67.5°	2906.8	3135.5	3555.1	3002.9	4137.9	5884.9	*6106.4*	4975.7	3154.5	1818.4	1802.3
70°	2425.9	2635.8	3166.1	2673.6	3625.1	5071.9	*4881.0*	4183.1	2666.4	1207.9	1001.0
72.5°	2067.5	2261.3	2813.5	2402.6	2876.2	4110.3	*3364.3*	3470.6	2169.5	767.9	681.9
75°	1710.5	1888.3	2392.4	2175.3	2379.3	2564.4	*2325.4*	2465.3	1787.8	651.3	526.0
77.5°	1200.6	1311.3	1678.5	1730.9	1851.9	1518.2	*1474.5*	1726.6	1272.0	323.5	221.5
80°	591.6	660.0	875.7	1030.1	875.7	861.1	*982.0*	1149.6	660.0	198.2	122.4
82.5°	265.2	314.7	403.6	623.6	316.2	343.9	*434.2*	611.9	300.1	118.0	52.5
85°	42.3	46.6	78.7	104.9	86.0	132.6	*126.8*	119.5	64.1	32.1	14.6
87.5°	1.5	1.5	1.5	2.9	4.4	5.8	*7.3*	7.3	7.3	7.3	7.3
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: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3
2.5°	925.2	920.8	899.0	877.1	858.2	839.2	820.3	794.1	773.7	756.2	748.9
5°	1012.6	989.3	955.8	919.4	887.3	850.9	815.9	776.6	744.5	711.0	693.5
7.5°	1072.4	1049.1	993.7	938.3	899.0	859.6	823.2	779.5	737.3	689.2	662.9
10°	1100.1	1073.8	1014.1	950.0	901.9	862.6	829.0	792.6	750.4	690.6	655.7
12.5°	1119.0	1086.9	1018.5	952.9	904.8	864.0	832.0	805.7	781.0	722.7	681.9
15°	1130.6	1101.5	1030.1	954.3	900.4	852.4	821.8	813.0	817.4	789.7	740.2
17.5°	1148.1	1120.5	1044.7	963.1	893.2	827.6	794.1	813.0	852.4	861.1	821.8
20°	1171.4	1142.3	1063.6	970.4	871.3	781.0	748.9	797.0	862.6	907.7	885.9
22.5°	1197.7	1174.4	1085.5	977.7	839.2	719.8	705.2	763.5	833.4	891.7	893.2
25°	1229.7	1207.9	1116.1	984.9	795.5	667.3	670.2	719.8	775.1	834.9	845.1
27.5°	1273.4	1253.0	1154.0	993.7	750.4	625.1	639.6	676.1	713.9	750.4	764.9
30°	1321.5	1305.5	1199.1	1011.2	708.1	600.3	609.0	633.8	664.4	686.3	693.5
32.5°	1387.1	1360.9	1241.4	1009.7	676.1	588.6	579.9	587.2	611.9	633.8	635.3
35°	1468.7	1448.3	1285.1	983.5	646.9	582.8	552.2	547.8	562.4	584.3	582.8
37.5°	1588.2	1570.7	1356.5	942.7	610.5	568.2	523.1	508.5	518.7	533.3	537.6
40°	1767.4	1722.2	1438.1	897.5	574.1	542.0	488.1	467.7	475.0	491.0	493.9
42.5°	2010.7	1924.7	1547.4	836.3	539.1	502.7	453.1	431.3	435.6	450.2	453.1
45°	2322.5	2192.8	1697.4	772.2	511.4	461.9	416.7	393.4	397.8	413.8	421.1
47.5°	2686.7	2509.0	1854.8	703.7	495.4	429.8	380.3	362.8	373.0	389.0	391.9
50°	3116.6	2937.4	1955.3	648.4	485.2	405.1	346.8	339.5	352.6	365.7	368.6
52.5°	3585.7	3330.8	1891.2	603.2	476.4	396.3	323.5	326.4	336.6	349.7	354.1
55°	4041.8	3475.0	1678.5	544.9	466.2	402.1	306.0	313.3	326.4	336.6	339.5
57.5°	4339.0	3354.1	1352.1	483.7	454.6	406.5	297.2	303.1	317.6	329.3	330.7
60°	4079.7	3088.9	1012.6	431.3	429.8	399.2	294.3	285.6	306.0	316.2	317.6
62.5°	3342.4	2526.5	646.9	381.7	383.2	383.2	292.9	256.4	282.7	291.4	289.9
65°	*2296.3*	*1786.3*	*400.7*	*311.8*	*326.4*	*348.2*	*284.1*	*225.8*	*256.4*	*265.2*	*262.3*
67.5°	1509.5	1135.0	247.7	240.4	268.1	301.6	266.6	202.5	230.2	236.0	227.3
70°	818.8	534.7	163.2	157.4	209.8	237.5	225.8	182.1	205.4	211.3	202.5
72.5°	540.6	307.4	115.1	115.1	164.6	166.1	185.0	163.2	182.1	188.0	179.2
75°	406.5	198.2	80.1	88.9	104.9	129.7	132.6	137.0	154.4	161.7	153.0
77.5°	186.5	72.9	48.1	65.6	72.9	99.1	84.5	102.0	115.1	118.0	110.7
80°	107.8	40.8	32.1	42.3	46.6	81.6	49.5	61.2	81.6	86.0	77.2
82.5°	45.2	20.4	21.9	26.2	27.7	45.2	35.0	39.3	53.9	52.5	46.6
85°	13.1	13.1	14.6	16.0	16.0	26.2	24.8	23.3	24.8	24.8	20.4
87.5°	8.7	8.7	8.7	10.2	10.2	11.7	13.1	14.6	14.6	14.6	13.1
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: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3
2.5°	738.7	725.6	706.7	703.7	693.5	686.3	693.5	700.8	713.9	715.4	721.2
5°	677.5	646.9	623.6	597.4	584.3	582.8	579.9	588.6	607.6	619.2	628.0
7.5°	636.7	581.4	540.6	504.1	491.0	480.8	489.6	488.1	512.9	523.1	531.8
10°	614.9	537.6	476.4	431.3	413.8	403.6	402.1	405.1	419.6	429.8	440.0
12.5°	629.4	520.2	429.8	377.4	358.4	346.8	336.6	336.6	339.5	352.6	357.0
15°	677.5	530.4	408.0	351.1	326.4	307.4	294.3	284.1	285.6	287.0	291.4
17.5°	747.5	556.6	400.7	335.1	308.9	285.6	272.5	260.8	257.9	257.9	256.4
20°	814.5	577.0	394.9	322.0	288.5	268.1	256.4	246.2	241.9	241.9	241.9
22.5°	842.2	594.5	387.6	306.0	268.1	249.2	239.0	231.7	230.2	230.2	228.8
25°	820.3	588.6	378.8	289.9	249.2	234.6	225.8	218.6	217.1	218.6	217.1
27.5°	751.8	568.2	367.2	276.8	234.6	221.5	214.2	206.9	205.4	206.9	206.9
30°	679.0	533.3	348.2	266.6	222.9	208.4	201.1	193.8	193.8	195.2	196.7
32.5°	620.7	498.3	326.4	253.5	209.8	196.7	189.4	182.1	182.1	185.0	185.0
35°	571.2	470.6	304.5	240.4	198.2	183.6	177.8	171.9	170.5	173.4	174.8
37.5°	531.8	445.8	281.2	227.3	186.5	173.4	167.6	160.3	158.8	161.7	164.6
40°	491.0	418.2	260.8	211.3	174.8	161.7	155.9	147.2	147.2	150.1	153.0
42.5°	451.7	393.4	247.7	196.7	163.2	148.6	142.8	135.5	135.5	138.4	141.3
45°	419.6	370.1	240.4	182.1	150.1	137.0	129.7	123.8	125.3	128.2	131.1
47.5°	389.0	345.3	241.9	174.8	141.3	123.8	116.6	112.2	115.1	119.5	122.4
50°	365.7	327.8	243.3	163.2	129.7	113.6	106.4	103.4	107.8	112.2	115.1
52.5°	351.1	310.3	234.6	148.6	120.9	103.4	99.1	99.1	103.4	106.4	109.3
55°	336.6	281.2	215.6	132.6	112.2	96.2	93.2	93.2	97.6	100.5	102.0
57.5°	324.9	250.6	193.8	119.5	102.0	88.9	88.9	88.9	90.3	91.8	94.7
60°	303.1	218.6	166.1	109.3	91.8	83.1	81.6	81.6	80.1	81.6	86.0
62.5°	265.2	183.6	141.3	97.6	83.1	75.8	74.3	69.9	65.6	67.0	69.9
65°	*224.4*	*145.7*	*118.0*	*84.5*	*71.4*	*67.0*	*65.6*	*58.3*	*52.5*	*53.9*	*58.3*
67.5°	179.2	109.3	99.1	72.9	61.2	56.8	56.8	52.5	48.1	48.1	51.0
70°	139.9	91.8	74.3	58.3	48.1	48.1	51.0	46.6	40.8	40.8	45.2
72.5°	113.6	74.3	59.7	45.2	37.9	40.8	42.3	37.9	33.5	33.5	36.4
75°	88.9	58.3	46.6	33.5	29.1	30.6	33.5	30.6	26.2	27.7	29.1
77.5°	61.2	39.3	30.6	24.8	21.9	23.3	23.3	21.9	20.4	20.4	21.9
80°	40.8	26.2	20.4	17.5	16.0	16.0	14.6	14.6	16.0	16.0	17.5
82.5°	29.1	18.9	16.0	13.1	10.2	10.2	11.7	11.7	13.1	13.1	14.6
85°	17.5	13.1	11.7	8.7	7.3	8.7	8.7	10.2	11.7	11.7	13.1
87.5°	13.1	10.2	8.7	7.3	5.8	5.8	7.3	7.3	8.7	10.2	10.2
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: P1365321
CATALOG NUMBER: GSS-SB1C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3	820.3
2.5°	735.8	753.3	778.0	799.9	826.1	852.4	877.1	900.4	901.9	903.4
5°	655.7	690.6	731.4	781.0	833.4	884.4	938.3	982.0	992.2	998.1
7.5°	566.8	617.8	680.4	750.4	829.0	907.7	983.5	1049.1	1073.8	1079.7
10°	473.5	536.2	611.9	702.3	808.6	913.6	1015.5	1095.7	1124.8	1130.6
12.5°	390.5	441.5	528.9	638.2	766.4	904.8	1027.2	1116.1	1145.2	1152.5
15°	319.1	367.2	448.8	563.9	708.1	874.2	1018.5	1120.5	1149.6	1155.4
17.5°	263.7	294.3	368.6	493.9	655.7	834.9	1006.8	1123.4	1151.0	1155.4
20°	241.9	247.7	287.0	409.4	600.3	805.7	999.5	1127.7	1155.4	1159.8
22.5°	231.7	231.7	240.4	311.8	523.1	775.1	996.6	1140.8	1161.2	1165.6
25°	221.5	221.5	224.4	244.8	431.3	737.3	1002.4	1164.2	1177.3	1177.3
27.5°	211.3	211.3	214.2	218.6	320.5	674.6	1003.9	1190.4	1196.2	1191.8
30°	201.1	204.0	204.0	206.9	236.0	595.9	995.1	1219.5	1219.5	1210.8
32.5°	190.9	192.3	195.2	196.7	205.4	493.9	980.6	1256.0	1248.7	1237.0
35°	182.1	183.6	183.6	186.5	195.2	394.9	964.5	1305.5	1285.1	1272.0
37.5°	170.5	171.9	173.4	176.3	185.0	313.3	941.2	1347.7	1333.2	1315.7
40°	160.3	161.7	163.2	166.1	174.8	269.5	912.1	1411.9	1408.9	1388.5
42.5°	148.6	151.5	153.0	154.4	166.1	246.2	891.7	1515.3	1515.3	1490.5
45°	138.4	141.3	141.3	144.2	160.3	225.8	936.9	1658.1	1669.7	1646.4
47.5°	129.7	131.1	131.1	132.6	151.5	208.4	1057.8	1876.6	1862.1	1846.0
50°	120.9	123.8	120.9	122.4	144.2	218.6	1257.4	2156.4	2194.3	2166.6
52.5°	115.1	116.6	110.7	110.7	134.0	231.7	1420.6	2513.4	2640.1	2606.6
55°	107.8	109.3	102.0	102.0	118.0	201.1	1430.8	2919.9	3198.2	3220.0
57.5°	100.5	100.5	94.7	93.2	102.0	163.2	1269.1	3234.6	3865.5	3915.0
60°	91.8	90.3	87.4	84.5	93.2	150.1	967.5	3192.3	4196.2	4368.2
62.5°	78.7	81.6	80.1	74.3	84.5	139.9	630.9	2762.5	3823.2	3974.8
65°	*65.6*	*69.9*	*69.9*	*65.6*	*93.2*	*122.4*	*332.2*	*2211.8*	*3190.9*	*3373.0*
67.5°	58.3	61.2	59.7	56.8	83.1	77.2	160.3	1696.0	2731.9	2906.8
70°	51.0	53.9	49.5	46.6	67.0	55.4	94.7	1135.0	2255.5	2425.9
72.5°	42.3	45.2	40.8	36.4	49.5	42.3	62.7	738.7	1878.1	2067.5
75°	35.0	36.4	33.5	29.1	36.4	33.5	43.7	482.3	1570.7	1710.5
77.5°	24.8	27.7	26.2	21.9	26.2	23.3	30.6	275.4	1095.7	1200.6
80°	18.9	18.9	18.9	17.5	16.0	16.0	20.4	123.8	531.8	591.6
82.5°	16.0	16.0	14.6	13.1	11.7	10.2	11.7	36.4	250.6	265.2
85°	14.6	11.7	10.2	8.7	7.3	4.4	4.4	10.2	51.0	42.3
87.5°	8.7	7.3	5.8	2.9	1.5	1.5	0.0	1.5	1.5	1.5
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

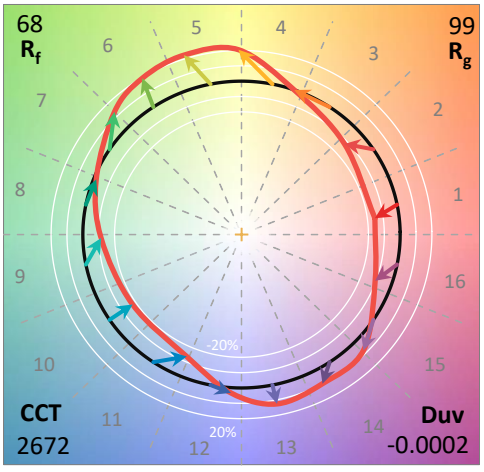
Test Information

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

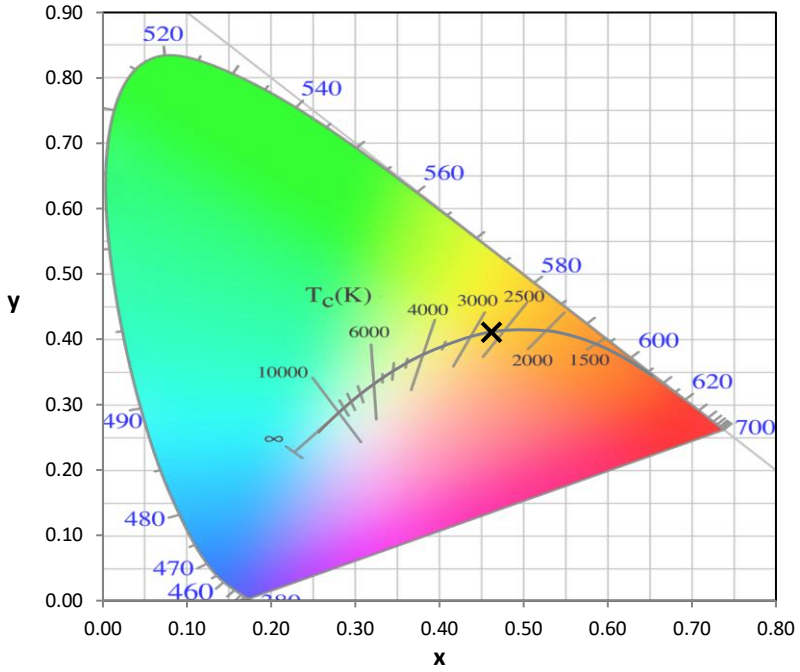
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

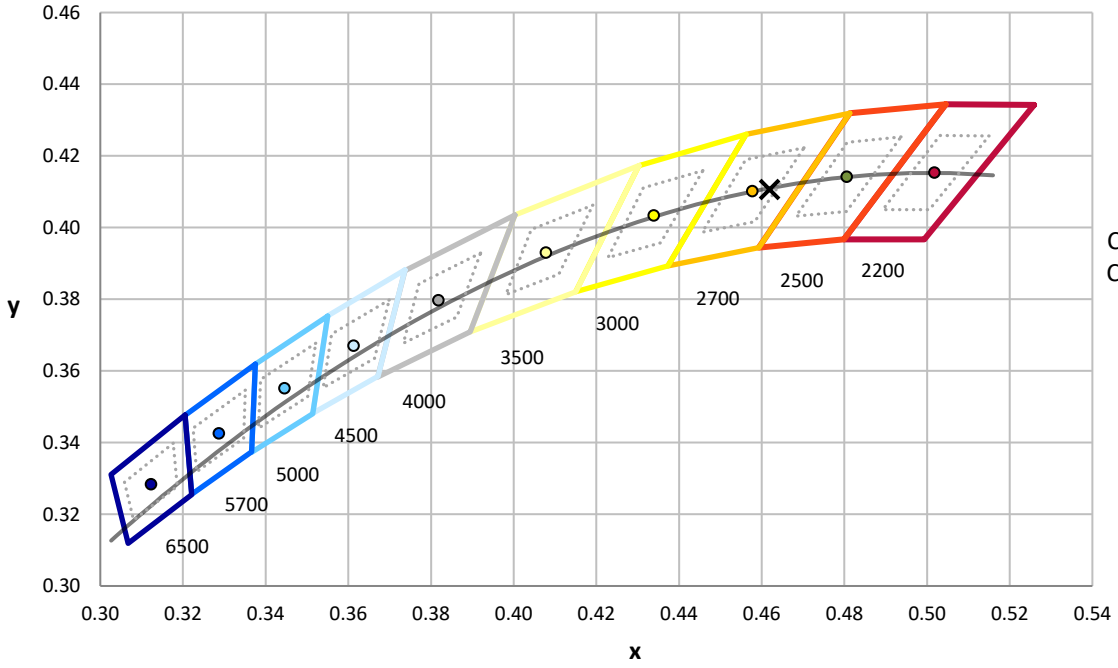
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

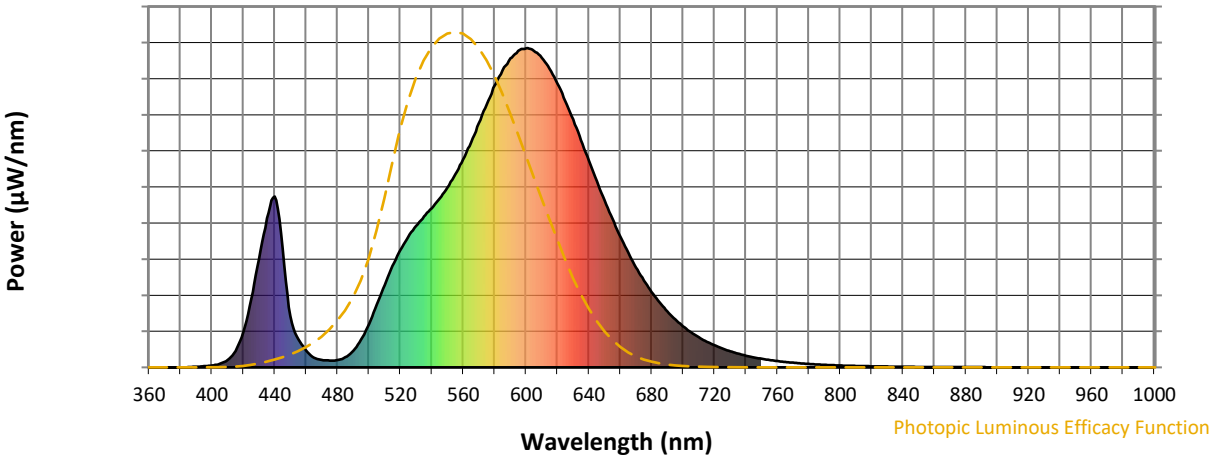


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

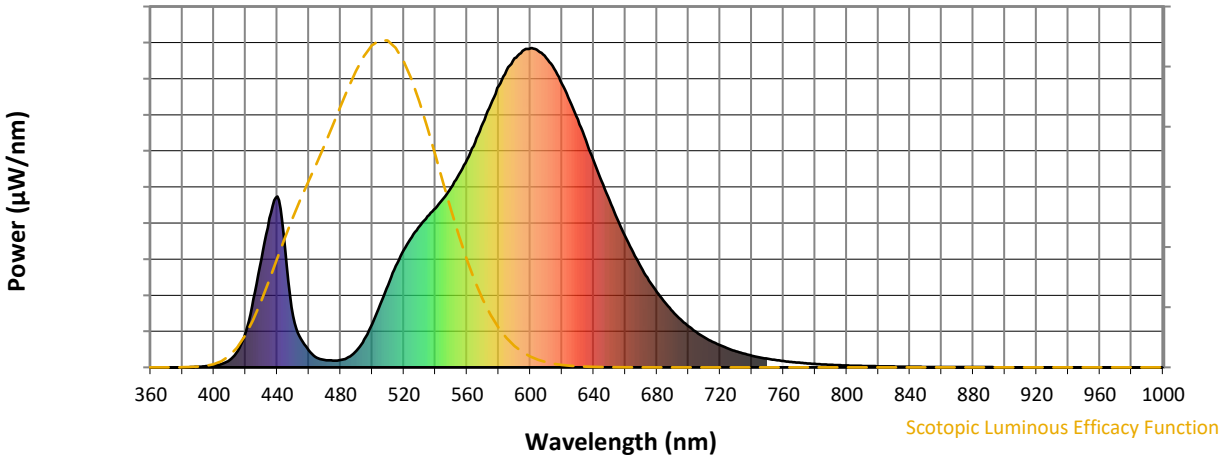


Photopic Lumens: NR

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

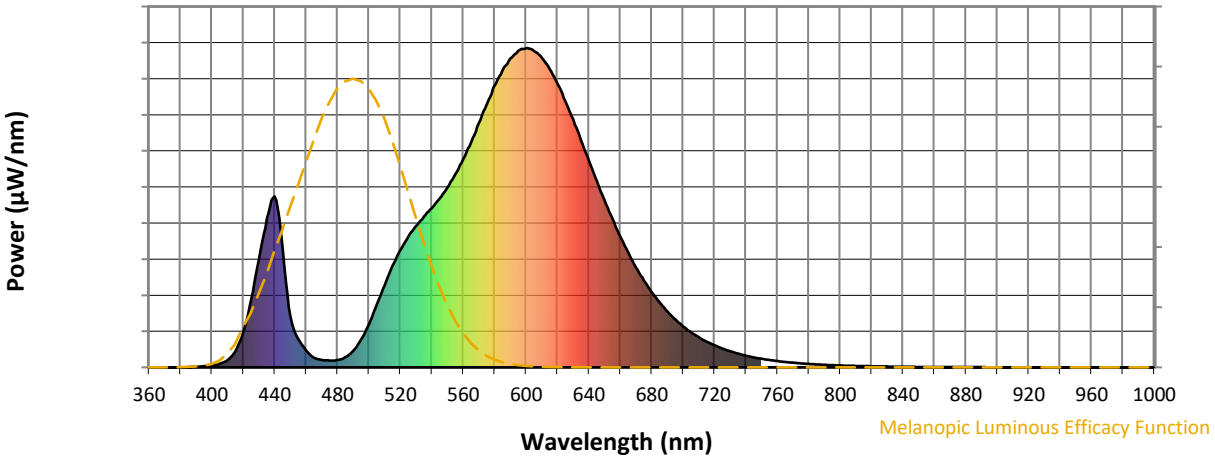


Scotopic Lumens: NR **S/P: 1.02**

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			

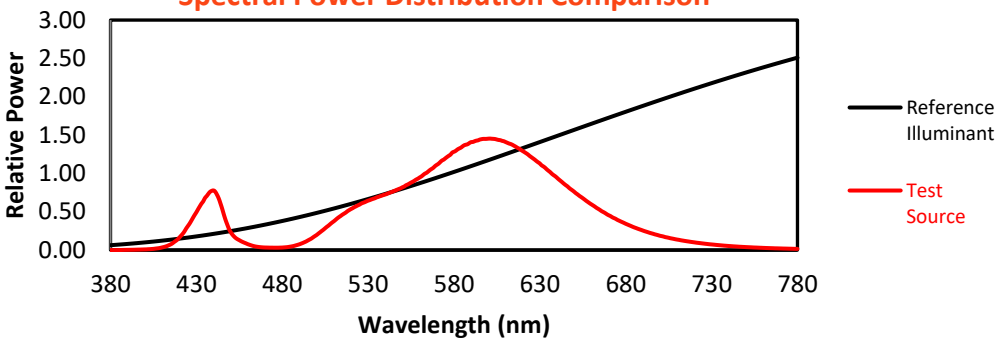
REPORT NUMBER: SP1-2407-184-3

TM-30-18

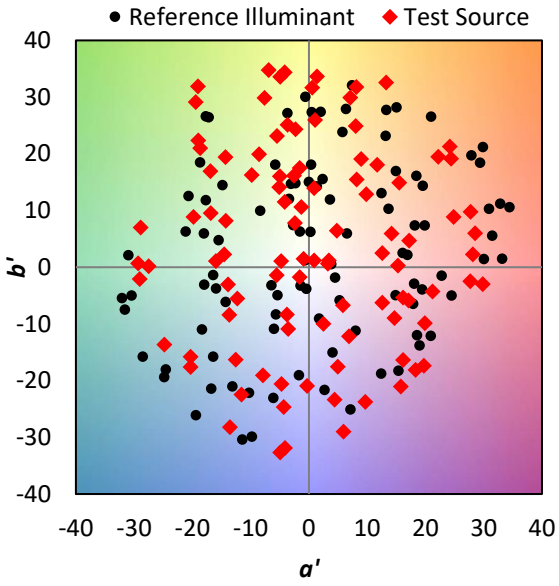
Summary

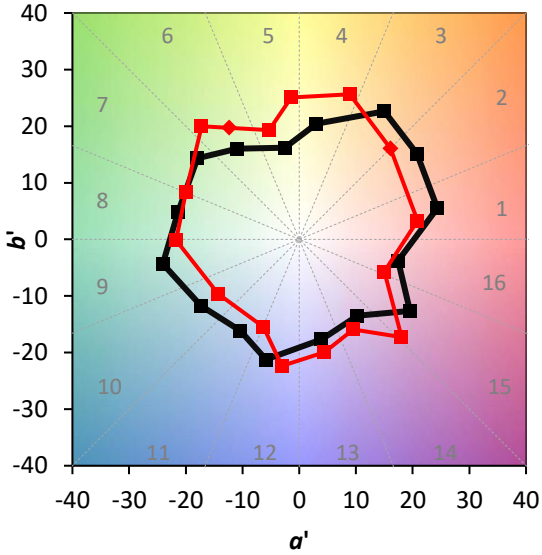
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

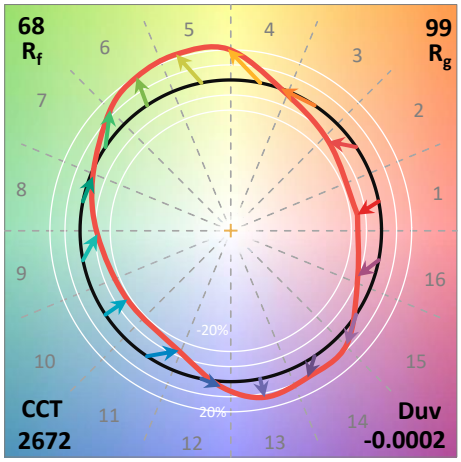
Spectral Power Distribution Comparison

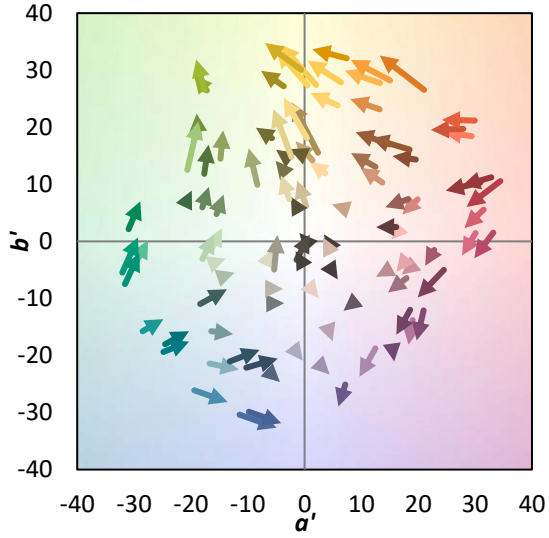


Color Vector Graphics







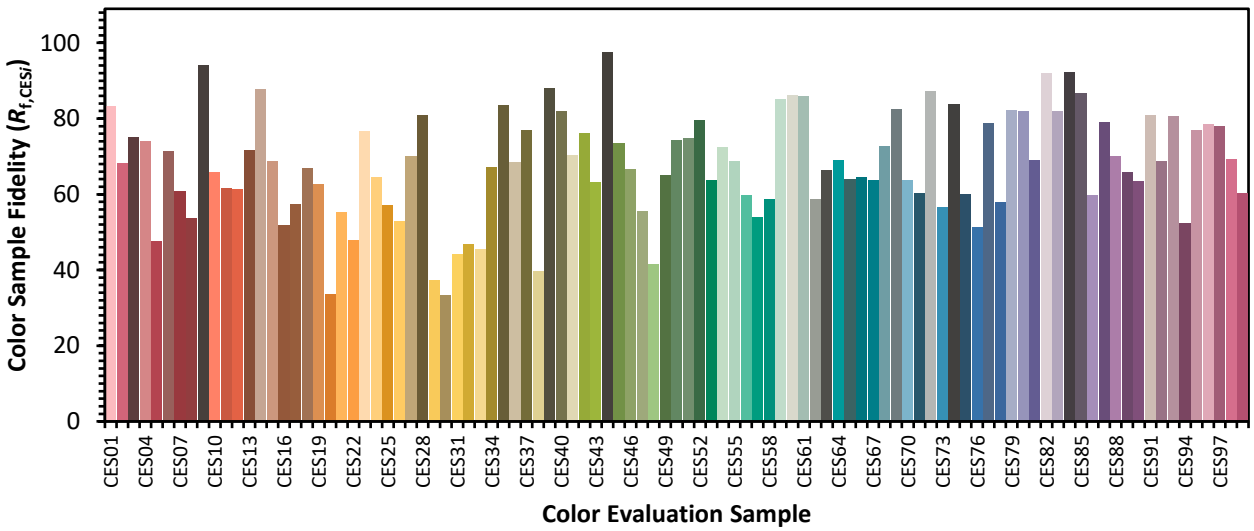


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

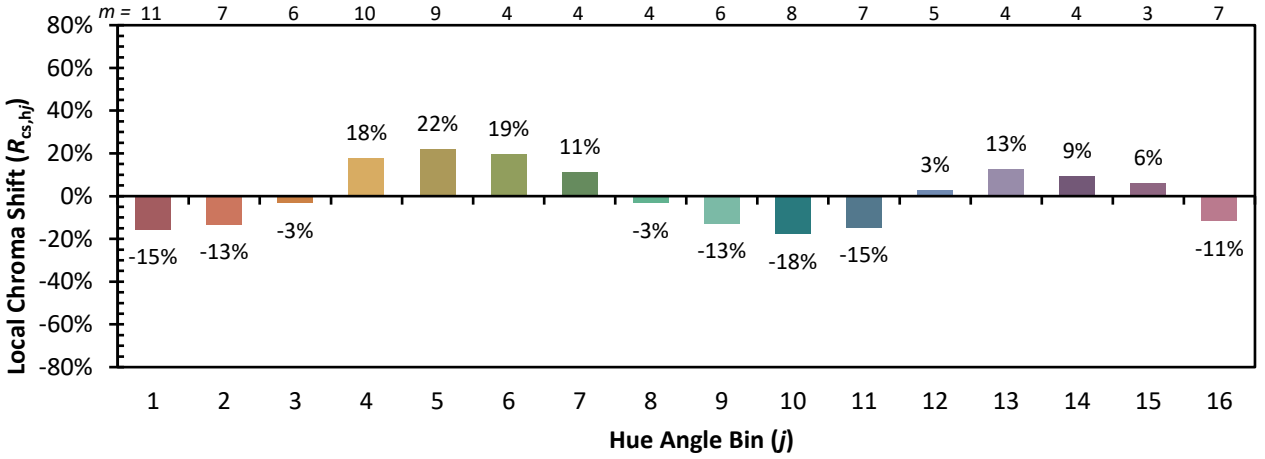
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

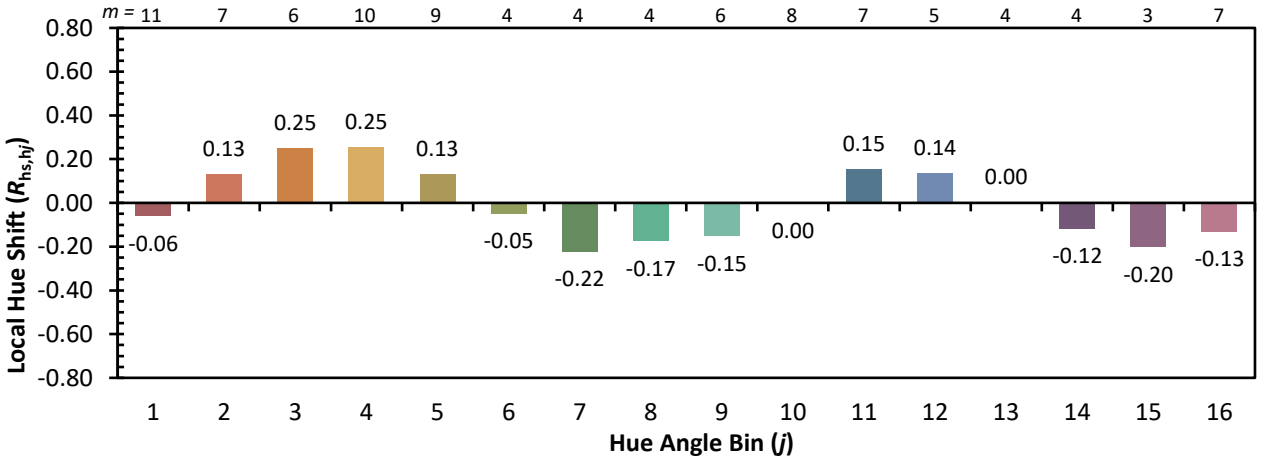


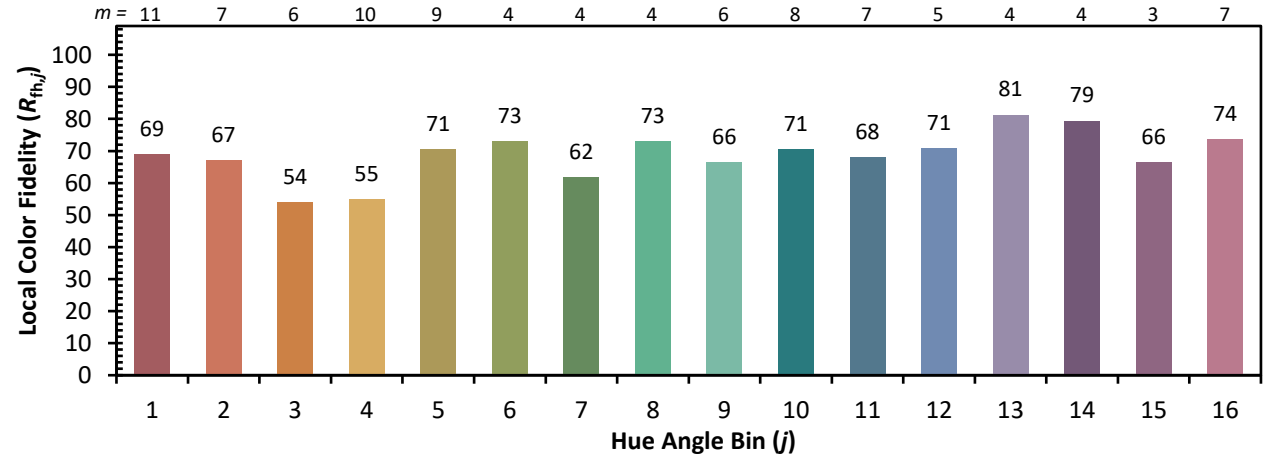
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin



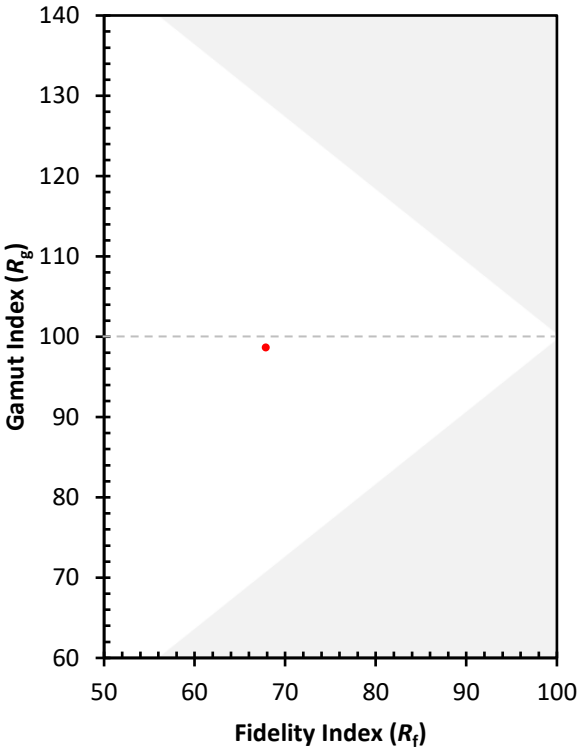


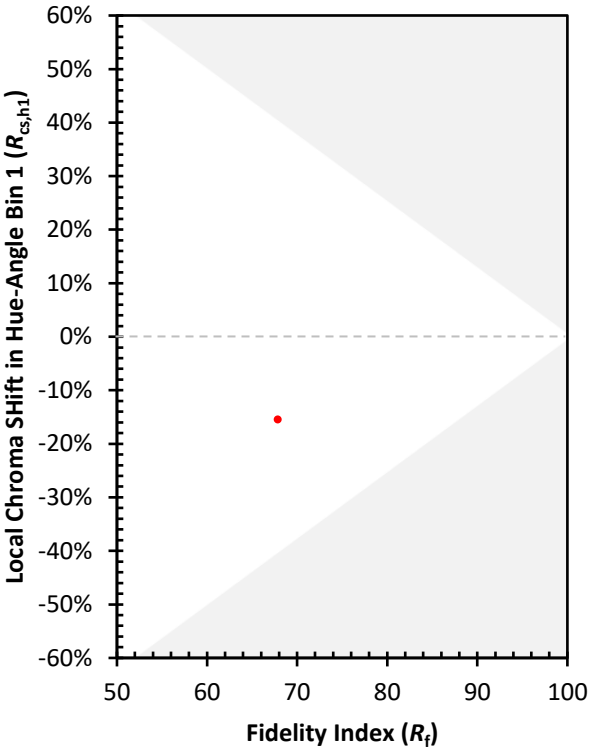


REPORT NUMBER: SP1-2407-184-3

TM-30-18

Measure Comparisons





(END OF REPORT)