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: P1365299

Luminaire Tested: **GSS-SB2A-722-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:	P1365299
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB2A-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 2SQUARE 58W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(52) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5196.3 lumens
Efficiency:	N/A
Efficacy:	89.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

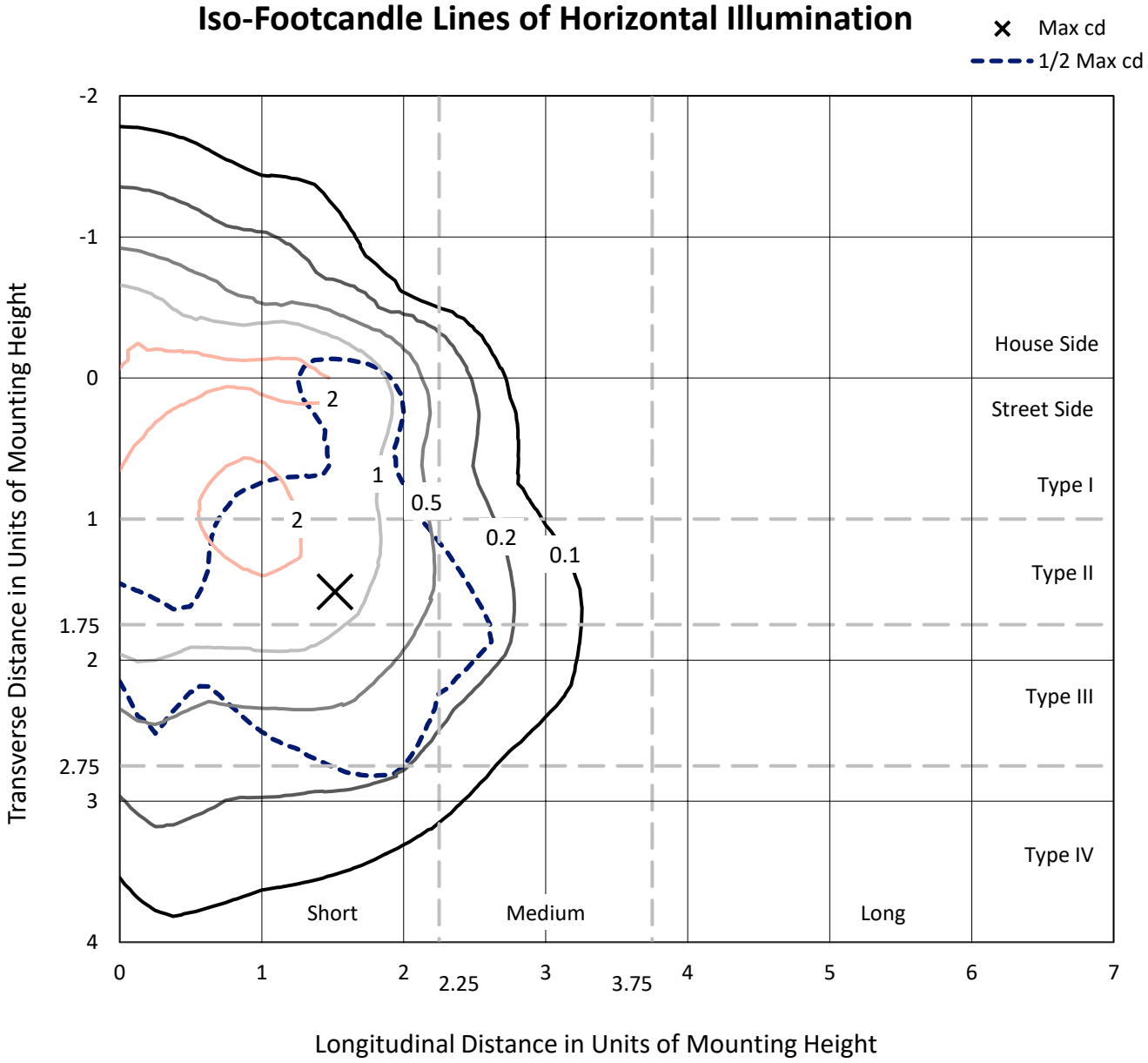
Input Watts (W):	58
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	9.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



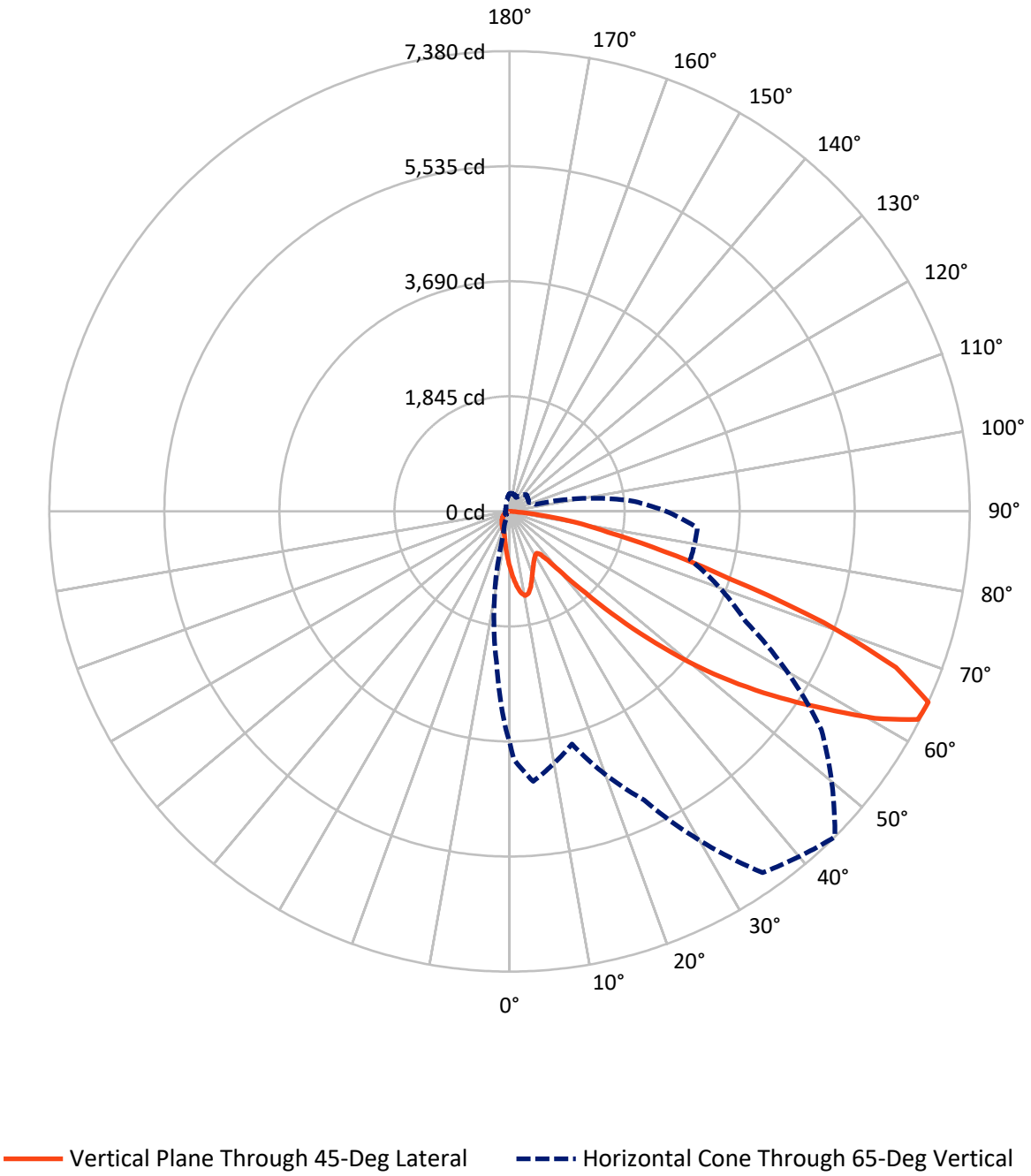
Based on 20 foot mounting height. Maximum calculated value = 3.3 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

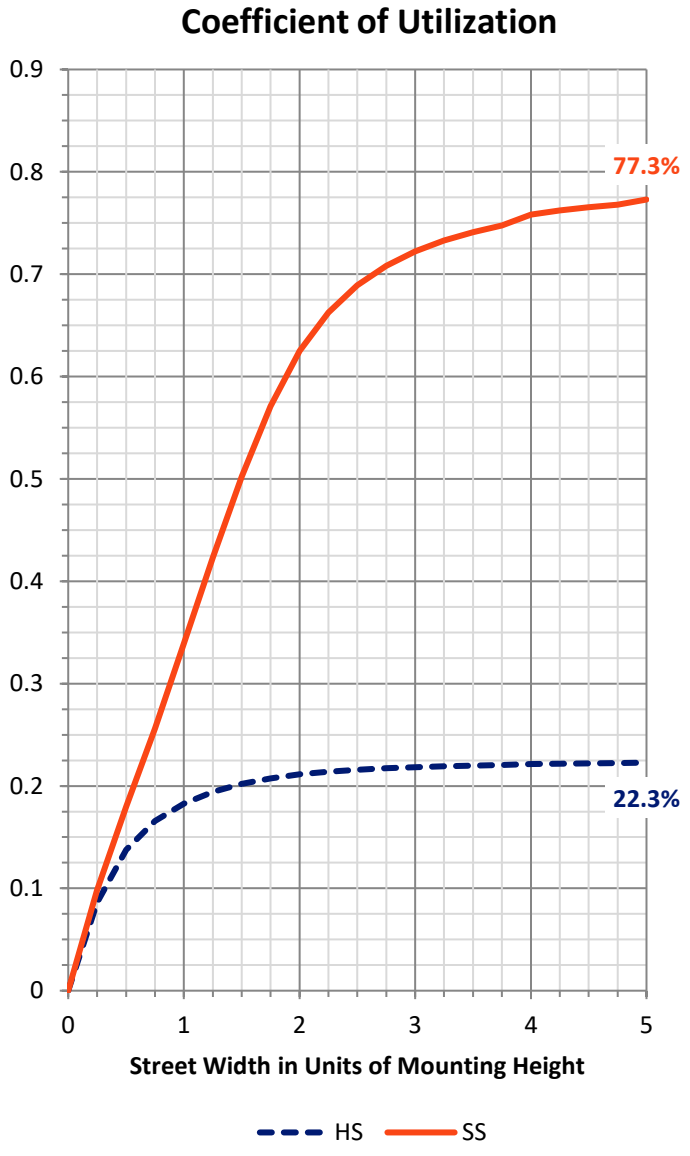
REPORT NUMBER: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1168.9	0.0	1168.9
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	4027.4	0.0	4027.4
	% Fixture	77.5	0.0	77.5
Total	Lumens	5196.3	0.0	5196.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.3	1.7
10°-20°	238.6	4.6
20°-30°	341.8	6.6
30°-40°	428.7	8.3
40°-50°	704.2	13.6
50°-60°	1271.5	24.5
60°-70°	1411.6	27.2
70°-80°	638.1	12.3
80°-90°	75.5	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°	5196.3	100.0
0°-180°	5196.3	100.0



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

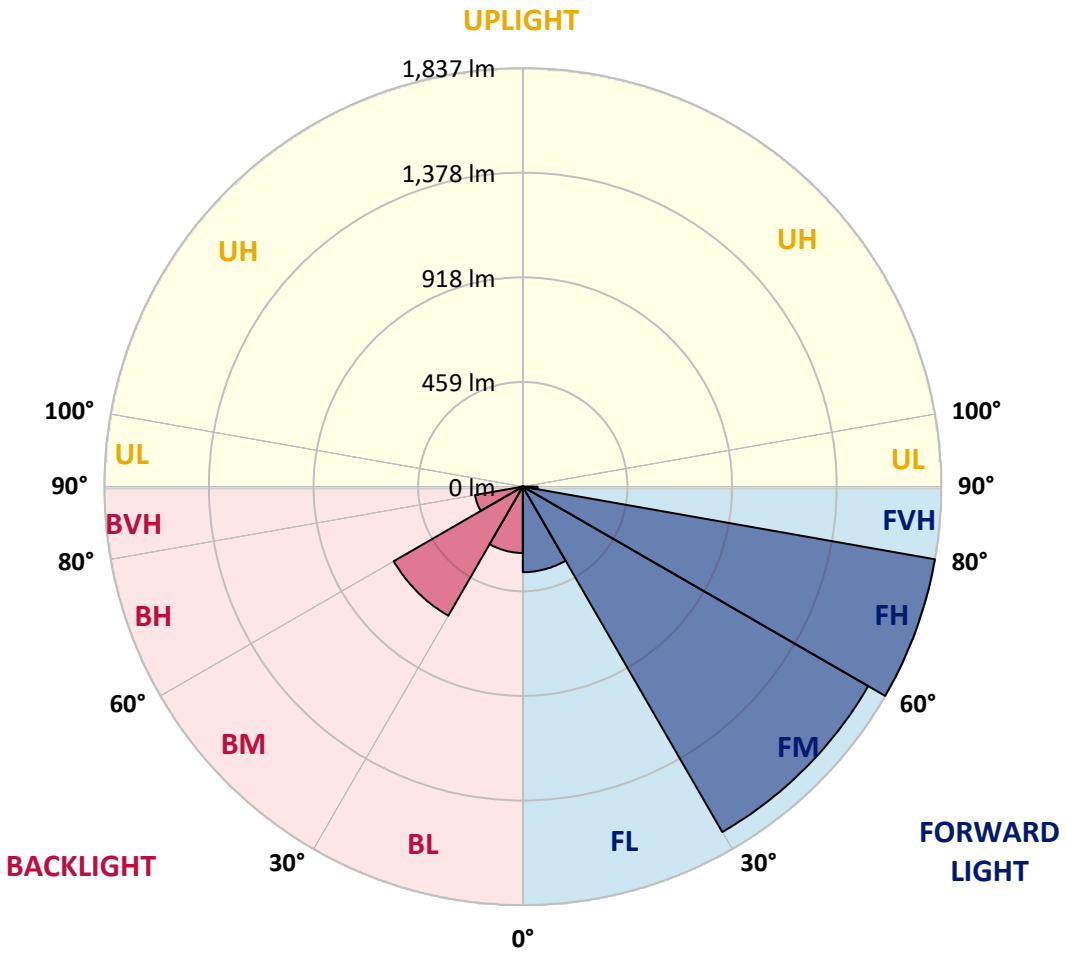
Scaled Data Report

REPORT NUMBER: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	375.4	7.2			
FM	(30°-60°)	1750.5	33.7			
FH	(60°-80°)	1836.7	35.3			G2/5000
FVH	(80°-90°)	64.8	1.2			G1/100
BL	(0°-30°)	291.3	5.6	B1/500		
BM	(30°-60°)	654.0	12.6	B1/1000		
BH	(60°-80°)	212.9	4.1	B1/500		G1/500
BVH	(80°-90°)	10.7	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



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

Scaled Data Report

REPORT NUMBER: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	897.7	897.7	897.7	897.7	897.7	897.7	*897.7*	897.7	897.7	897.7	897.7
2.5°	988.6	1001.4	999.8	1017.3	1033.3	1044.4	*1054.0*	1050.8	1042.8	1026.9	1015.7
5°	1092.3	1101.8	1117.8	1151.3	1176.8	1199.1	*1195.9*	1199.1	1175.2	1151.3	1122.6
7.5°	1181.6	1192.7	1215.0	1262.9	1294.8	1321.9	*1318.7*	1309.1	1282.0	1242.1	1199.1
10°	1237.4	1245.3	1269.3	1323.5	1360.1	1382.5	*1374.5*	1358.6	1323.5	1283.6	1232.6
12.5°	1261.3	1270.9	1291.6	1334.6	1358.6	1353.8	*1350.6*	1347.4	1329.8	1299.6	1253.3
15°	1264.5	1270.9	1286.8	1305.9	1296.4	1269.3	*1262.9*	1286.8	1309.1	1302.7	1264.5
17.5°	1264.5	1274.0	1277.2	1258.1	1208.7	1159.2	*1152.9*	1192.7	1254.9	1304.3	1282.0
20°	1269.3	1274.0	1267.7	1205.5	1113.0	1058.8	*1047.6*	1097.0	1189.5	1286.8	1299.6
22.5°	1275.6	1280.4	1253.3	1143.3	1034.9	977.5	*971.1*	1007.8	1116.2	1261.3	1318.7
25°	1288.4	1285.2	1243.7	1089.1	966.3	912.1	*902.5*	950.3	1055.6	1235.8	1350.6
27.5°	1304.3	1290.0	1231.0	1044.4	916.9	859.5	*853.1*	899.3	1004.6	1203.9	1377.7
30°	1325.1	1310.7	1229.4	1009.3	880.2	822.8	*814.8*	865.8	969.5	1181.6	1416.0
32.5°	1353.8	1333.0	1231.0	982.2	859.5	805.2	*800.5*	854.7	955.1	1168.8	1455.8
35°	1392.0	1361.7	1237.4	972.7	865.8	829.2	*840.3*	881.8	969.5	1178.4	1521.2
37.5°	1439.9	1411.2	1269.3	993.4	936.0	961.5	*990.2*	1006.2	1038.0	1223.0	1626.4
40°	1519.6	1479.7	1317.1	1060.4	1124.2	1243.7	*1299.6*	1293.2	1219.8	1325.1	1774.7
42.5°	1631.2	1594.5	1414.4	1231.0	1438.3	1691.8	*1785.9*	1731.7	1510.0	1487.7	2018.7
45°	1801.8	1741.2	1545.1	1484.5	1817.8	2234.0	*2446.0*	2259.5	1878.4	1744.4	2366.3
47.5°	2020.3	1959.7	1749.2	1738.1	2241.9	2903.7	*3155.6*	2788.9	2243.5	2080.9	2782.5
50°	2371.1	2304.1	2049.0	1996.4	2710.7	3571.8	*3908.2*	3316.6	2615.0	2438.1	3295.9
52.5°	2852.6	2808.0	2524.2	2262.7	3130.1	4308.5	*4598.7*	3868.4	2902.1	2846.3	3855.6
55°	3523.9	3480.9	3142.8	2559.2	3527.1	5046.7	*5281.1*	4370.6	3152.4	3324.6	4440.8
57.5°	4284.5	4356.3	3989.5	2954.7	3944.9	5641.5	*5968.4*	4826.7	3490.5	3964.0	5091.4
60°	4780.4	5006.9	4960.6	3645.1	4593.9	6381.4	*6736.9*	5437.4	3984.8	4434.4	5077.0
62.5°	4349.9	4576.3	4930.3	4445.6	5218.9	7051.1	*7350.8*	6080.0	4475.9	4059.7	4263.8
65°	*3691.4*	*3973.6*	*4346.7*	*3862.0*	*5108.9*	*7071.8*	*7379.5*	*6103.9*	*4176.1*	*3000.9*	*3023.3*
67.5°	3181.1	3431.5	3890.7	3286.4	4528.5	6440.4	*6682.7*	5445.4	3452.2	1990.0	1972.4
70°	2654.9	2884.5	3464.9	2926.0	3967.2	5550.6	*5341.7*	4577.9	2918.0	1321.9	1095.5
72.5°	2262.7	2474.7	3079.1	2629.4	3147.6	4498.2	*3681.8*	3798.2	2374.3	840.3	746.2
75°	1872.0	2066.5	2618.2	2380.7	2603.9	2806.4	*2544.9*	2698.0	1956.5	712.8	575.6
77.5°	1313.9	1435.1	1836.9	1894.3	2026.7	1661.5	*1613.7*	1889.5	1392.0	354.0	242.4
80°	647.4	722.3	958.3	1127.3	958.3	942.4	*1074.7*	1258.1	722.3	216.9	133.9
82.5°	290.2	344.4	441.7	682.5	346.0	376.3	*475.2*	669.7	328.5	129.2	57.4
85°	46.2	51.0	86.1	114.8	94.1	145.1	*138.7*	130.8	70.2	35.1	15.9
87.5°	1.6	1.6	1.6	3.2	4.8	6.4	*8.0*	8.0	8.0	8.0	8.0
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: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7
2.5°	1012.5	1007.8	983.8	959.9	939.2	918.5	897.7	869.0	846.7	827.6	819.6
5°	1108.2	1082.7	1046.0	1006.2	971.1	931.2	892.9	849.9	814.8	778.1	759.0
7.5°	1173.6	1148.1	1087.5	1026.9	983.8	940.8	900.9	853.1	806.8	754.2	725.5
10°	1203.9	1175.2	1109.8	1039.6	987.0	944.0	907.3	867.4	821.2	755.8	717.5
12.5°	1224.6	1189.5	1114.6	1042.8	990.2	945.6	910.5	881.8	854.7	790.9	746.2
15°	1237.4	1205.5	1127.3	1044.4	985.4	932.8	899.3	889.8	894.5	864.2	810.0
17.5°	1256.5	1226.2	1143.3	1054.0	977.5	905.7	869.0	889.8	932.8	942.4	899.3
20°	1282.0	1250.1	1164.0	1062.0	953.5	854.7	819.6	872.2	944.0	993.4	969.5
22.5°	1310.7	1285.2	1187.9	1069.9	918.5	787.7	771.8	835.5	912.1	975.9	977.5
25°	1345.8	1321.9	1221.4	1077.9	870.6	730.3	733.5	787.7	848.3	913.7	924.8
27.5°	1393.6	1371.3	1262.9	1087.5	821.2	684.1	700.0	739.9	781.3	821.2	837.1
30°	1446.2	1428.7	1312.3	1106.6	774.9	657.0	666.5	693.6	727.1	751.0	759.0
32.5°	1518.0	1489.3	1358.6	1105.0	739.9	644.2	634.6	642.6	669.7	693.6	695.2
35°	1607.3	1585.0	1406.4	1076.3	708.0	637.8	604.3	599.5	615.5	639.4	637.8
37.5°	1738.1	1718.9	1484.5	1031.7	668.1	621.9	572.4	556.5	567.7	583.6	588.4
40°	1934.2	1884.7	1573.8	982.2	628.2	593.2	534.2	511.8	519.8	537.4	540.5
42.5°	2200.5	2106.4	1693.4	915.3	590.0	550.1	495.9	472.0	476.8	492.7	495.9
45°	2541.7	2399.8	1857.6	845.1	559.7	505.5	456.0	430.5	435.3	452.9	460.8
47.5°	2940.3	2745.8	2029.9	770.2	542.1	470.4	416.2	397.0	408.2	425.7	428.9
50°	3410.7	3214.6	2139.9	709.6	531.0	443.3	379.5	371.5	385.9	400.2	403.4
52.5°	3924.2	3645.1	2069.7	660.1	521.4	433.7	354.0	357.2	368.3	382.7	387.5
55°	4423.3	3803.0	1836.9	596.4	510.3	440.1	334.9	342.8	357.2	368.3	371.5
57.5°	4748.5	3670.6	1479.7	529.4	497.5	444.9	325.3	331.7	347.6	360.4	362.0
60°	4464.7	3380.4	1108.2	472.0	470.4	436.9	322.1	312.5	334.9	346.0	347.6
62.5°	3657.9	2764.9	708.0	417.8	419.4	419.4	320.5	280.6	309.3	318.9	317.3
65°	*2513.0*	*1954.9*	*438.5*	*341.2*	*357.2*	*381.1*	*310.9*	*247.2*	*280.6*	*290.2*	*287.0*
67.5°	1651.9	1242.1	271.1	263.1	293.4	330.1	291.8	221.6	251.9	258.3	248.7
70°	896.1	585.2	178.6	172.2	229.6	259.9	247.2	199.3	224.8	231.2	221.6
72.5°	591.6	336.4	126.0	126.0	180.2	181.8	202.5	178.6	199.3	205.7	196.1
75°	444.9	216.9	87.7	97.3	114.8	141.9	145.1	149.9	169.0	177.0	167.4
77.5°	204.1	79.7	52.6	71.8	79.7	108.4	92.5	111.6	126.0	129.2	121.2
80°	118.0	44.6	35.1	46.2	51.0	89.3	54.2	67.0	89.3	94.1	84.5
82.5°	49.4	22.3	23.9	28.7	30.3	49.4	38.3	43.1	59.0	57.4	51.0
85°	14.4	14.4	15.9	17.5	17.5	28.7	27.1	25.5	27.1	27.1	22.3
87.5°	9.6	9.6	9.6	11.2	11.2	12.8	14.4	15.9	15.9	15.9	14.4
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: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7
2.5°	808.4	794.1	773.4	770.2	759.0	751.0	759.0	767.0	781.3	782.9	789.3
5°	741.5	708.0	682.5	653.8	639.4	637.8	634.6	644.2	664.9	677.7	687.2
7.5°	696.8	636.2	591.6	551.7	537.4	526.2	535.8	534.2	561.3	572.4	582.0
10°	672.9	588.4	521.4	472.0	452.9	441.7	440.1	443.3	459.2	470.4	481.6
12.5°	688.8	569.3	470.4	413.0	392.3	379.5	368.3	368.3	371.5	385.9	390.7
15°	741.5	580.4	446.5	384.3	357.2	336.4	322.1	310.9	312.5	314.1	318.9
17.5°	818.0	609.1	438.5	366.7	338.0	312.5	298.2	285.4	282.2	282.2	280.6
20°	891.3	631.4	432.1	352.4	315.7	293.4	280.6	269.5	264.7	264.7	264.7
22.5°	921.6	650.6	424.1	334.9	293.4	272.7	261.5	253.5	251.9	251.9	250.3
25°	897.7	644.2	414.6	317.3	272.7	256.7	247.2	239.2	237.6	239.2	237.6
27.5°	822.8	621.9	401.8	303.0	256.7	242.4	234.4	226.4	224.8	226.4	226.4
30°	743.1	583.6	381.1	291.8	244.0	228.0	220.0	212.1	212.1	213.7	215.3
32.5°	679.3	545.3	357.2	277.5	229.6	215.3	207.3	199.3	199.3	202.5	202.5
35°	625.1	515.0	333.3	263.1	216.9	200.9	194.5	188.2	186.6	189.8	191.3
37.5°	582.0	487.9	307.7	248.7	204.1	189.8	183.4	175.4	173.8	177.0	180.2
40°	537.4	457.6	285.4	231.2	191.3	177.0	170.6	161.0	161.0	164.2	167.4
42.5°	494.3	430.5	271.1	215.3	178.6	162.6	156.3	148.3	148.3	151.5	154.7
45°	459.2	405.0	263.1	199.3	164.2	149.9	141.9	135.5	137.1	140.3	143.5
47.5°	425.7	377.9	264.7	191.3	154.7	135.5	127.6	122.8	126.0	130.8	133.9
50°	400.2	358.8	266.3	178.6	141.9	124.4	116.4	113.2	118.0	122.8	126.0
52.5°	384.3	339.6	256.7	162.6	132.3	113.2	108.4	108.4	113.2	116.4	119.6
55°	368.3	307.7	236.0	145.1	122.8	105.2	102.1	102.1	106.8	110.0	111.6
57.5°	355.6	274.3	212.1	130.8	111.6	97.3	97.3	97.3	98.9	100.5	103.6
60°	331.7	239.2	181.8	119.6	100.5	90.9	89.3	89.3	87.7	89.3	94.1
62.5°	290.2	200.9	154.7	106.8	90.9	82.9	81.3	76.5	71.8	73.3	76.5
65°	*245.6*	*159.5*	*129.2*	*92.5*	*78.1*	*73.3*	*71.8*	*63.8*	*57.4*	*59.0*	*63.8*
67.5°	196.1	119.6	108.4	79.7	67.0	62.2	62.2	57.4	52.6	52.6	55.8
70°	153.1	100.5	81.3	63.8	52.6	52.6	55.8	51.0	44.6	44.6	49.4
72.5°	124.4	81.3	65.4	49.4	41.5	44.6	46.2	41.5	36.7	36.7	39.9
75°	97.3	63.8	51.0	36.7	31.9	33.5	36.7	33.5	28.7	30.3	31.9
77.5°	67.0	43.1	33.5	27.1	23.9	25.5	25.5	23.9	22.3	22.3	23.9
80°	44.6	28.7	22.3	19.1	17.5	17.5	15.9	15.9	17.5	17.5	19.1
82.5°	31.9	20.7	17.5	14.4	11.2	11.2	12.8	12.8	14.4	14.4	15.9
85°	19.1	14.4	12.8	9.6	8.0	9.6	9.6	11.2	12.8	12.8	14.4
87.5°	14.4	11.2	9.6	8.0	6.4	6.4	8.0	8.0	9.6	11.2	11.2
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: P1365299
CATALOG NUMBER: GSS-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7	897.7
2.5°	805.2	824.4	851.5	875.4	904.1	932.8	959.9	985.4	987.0	988.6
5°	717.5	755.8	800.5	854.7	912.1	967.9	1026.9	1074.7	1085.9	1092.3
7.5°	620.3	676.1	744.7	821.2	907.3	993.4	1076.3	1148.1	1175.2	1181.6
10°	518.2	586.8	669.7	768.6	885.0	999.8	1111.4	1199.1	1231.0	1237.4
12.5°	427.3	483.1	578.8	698.4	838.7	990.2	1124.2	1221.4	1253.3	1261.3
15°	349.2	401.8	491.1	617.1	774.9	956.7	1114.6	1226.2	1258.1	1264.5
17.5°	288.6	322.1	403.4	540.5	717.5	913.7	1101.8	1229.4	1259.7	1264.5
20°	264.7	271.1	314.1	448.1	657.0	881.8	1093.9	1234.2	1264.5	1269.3
22.5°	253.5	253.5	263.1	341.2	572.4	848.3	1090.7	1248.5	1270.9	1275.6
25°	242.4	242.4	245.6	267.9	472.0	806.8	1097.0	1274.0	1288.4	1288.4
27.5°	231.2	231.2	234.4	239.2	350.8	738.3	1098.6	1302.7	1309.1	1304.3
30°	220.0	223.2	223.2	226.4	258.3	652.2	1089.1	1334.6	1334.6	1325.1
32.5°	208.9	210.5	213.7	215.3	224.8	540.5	1073.1	1374.5	1366.5	1353.8
35°	199.3	200.9	200.9	204.1	213.7	432.1	1055.6	1428.7	1406.4	1392.0
37.5°	186.6	188.2	189.8	192.9	202.5	342.8	1030.1	1475.0	1459.0	1439.9
40°	175.4	177.0	178.6	181.8	191.3	295.0	998.2	1545.1	1541.9	1519.6
42.5°	162.6	165.8	167.4	169.0	181.8	269.5	975.9	1658.3	1658.3	1631.2
45°	151.5	154.7	154.7	157.9	175.4	247.2	1025.3	1814.6	1827.3	1801.8
47.5°	141.9	143.5	143.5	145.1	165.8	228.0	1157.6	2053.8	2037.8	2020.3
50°	132.3	135.5	132.3	133.9	157.9	239.2	1376.1	2359.9	2401.4	2371.1
52.5°	126.0	127.6	121.2	121.2	146.7	253.5	1554.7	2750.6	2889.3	2852.6
55°	118.0	119.6	111.6	111.6	129.2	220.0	1565.8	3195.5	3500.0	3523.9
57.5°	110.0	110.0	103.6	102.1	111.6	178.6	1388.8	3539.9	4230.3	4284.5
60°	100.5	98.9	95.7	92.5	102.1	164.2	1058.8	3493.6	4592.3	4780.4
62.5°	86.1	89.3	87.7	81.3	92.5	153.1	690.4	3023.3	4184.1	4349.9
65°	*71.8*	*76.5*	*76.5*	*71.8*	*102.1*	*133.9*	*363.6*	*2420.5*	*3492.0*	*3691.4*
67.5°	63.8	67.0	65.4	62.2	90.9	84.5	175.4	1856.0	2989.8	3181.1
70°	55.8	59.0	54.2	51.0	73.3	60.6	103.6	1242.1	2468.4	2654.9
72.5°	46.2	49.4	44.6	39.9	54.2	46.2	68.6	808.4	2055.4	2262.7
75°	38.3	39.9	36.7	31.9	39.9	36.7	47.8	527.8	1718.9	1872.0
77.5°	27.1	30.3	28.7	23.9	28.7	25.5	33.5	301.4	1199.1	1313.9
80°	20.7	20.7	20.7	19.1	17.5	17.5	22.3	135.5	582.0	647.4
82.5°	17.5	17.5	15.9	14.4	12.8	11.2	12.8	39.9	274.3	290.2
85°	15.9	12.8	11.2	9.6	8.0	4.8	4.8	11.2	55.8	46.2
87.5°	9.6	8.0	6.4	3.2	1.6	1.6	0.0	1.6	1.6	1.6
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

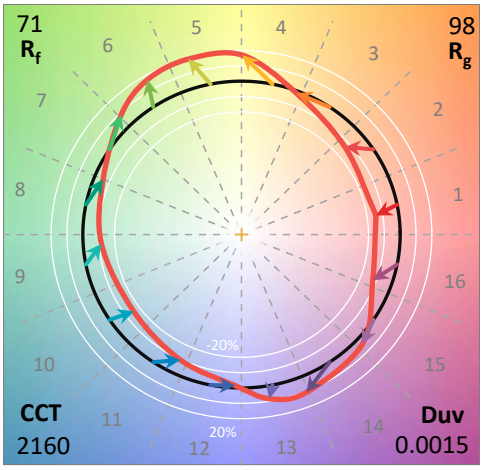
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

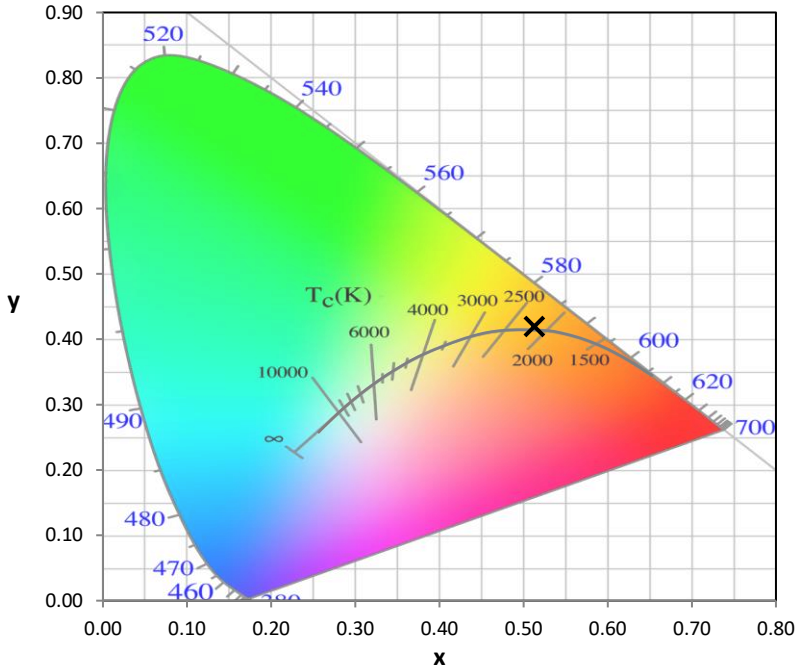
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

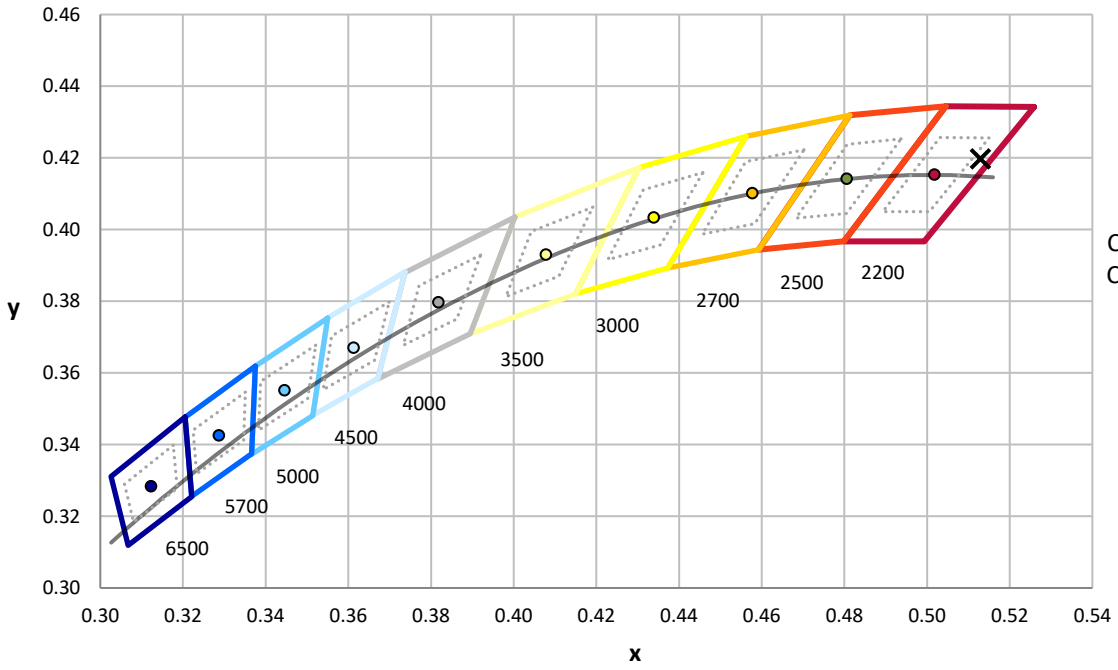
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

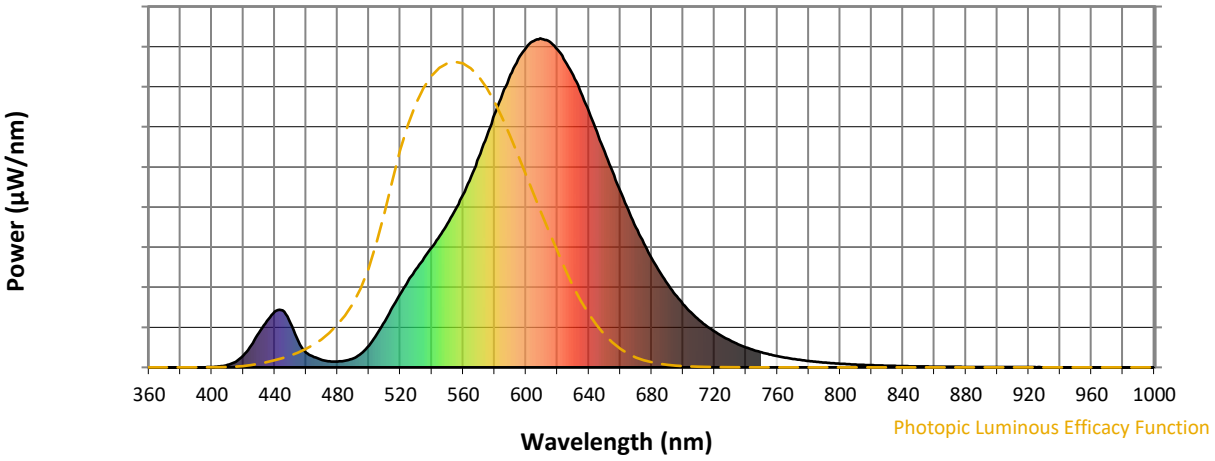


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

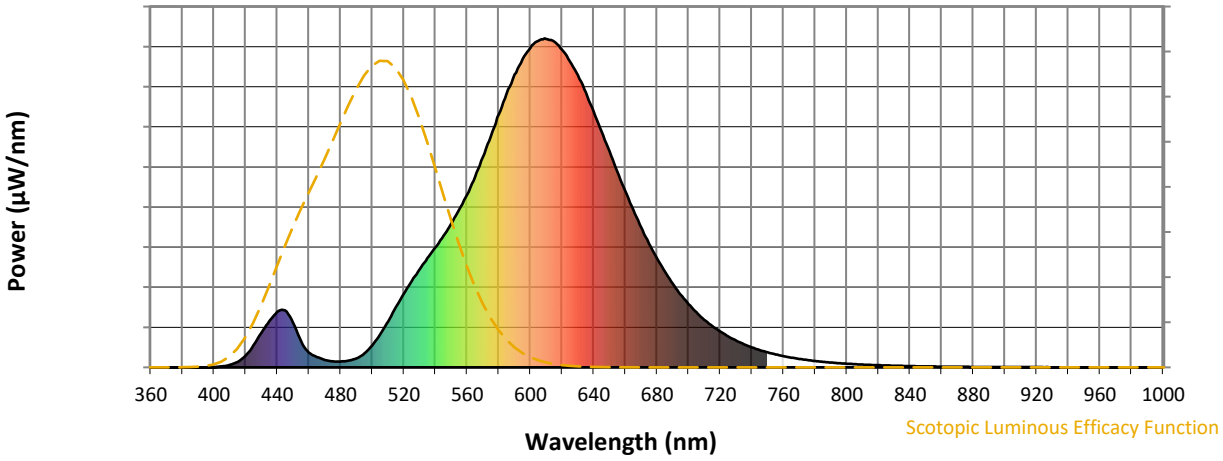


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

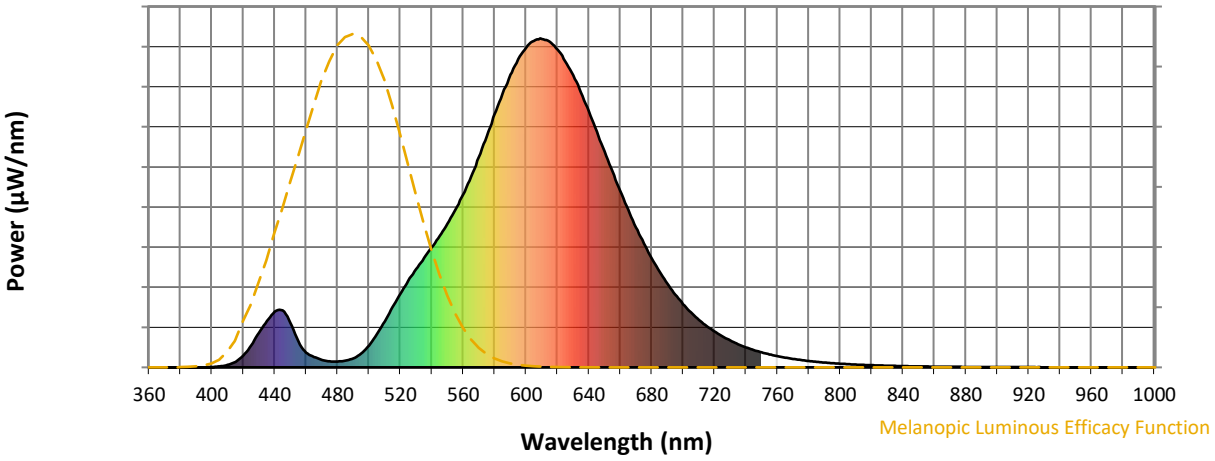


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

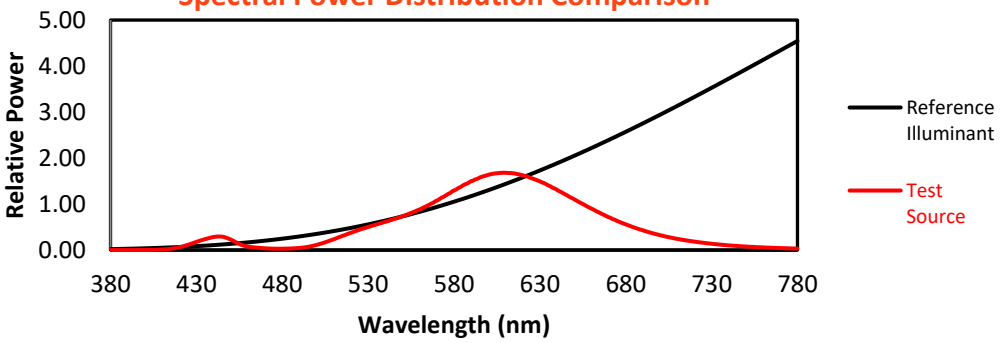
REPORT NUMBER: SP1-2407-184-2

TM-30-18

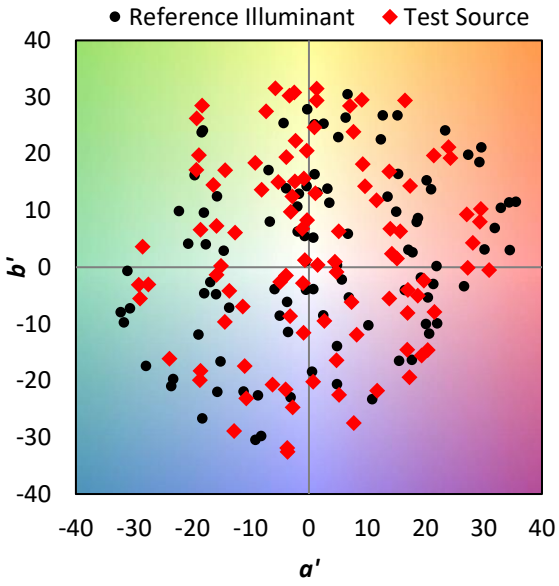
Summary

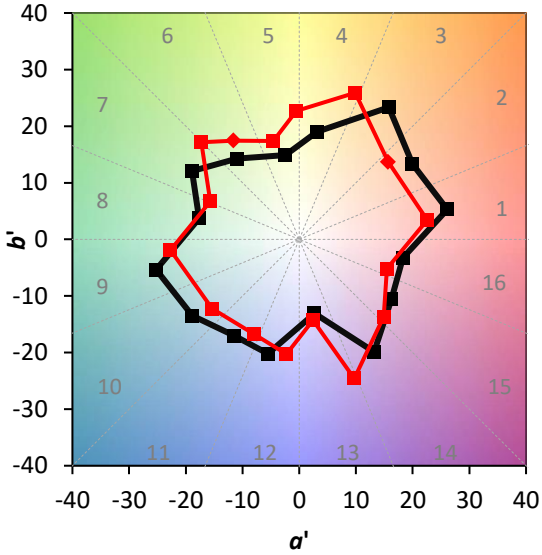
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

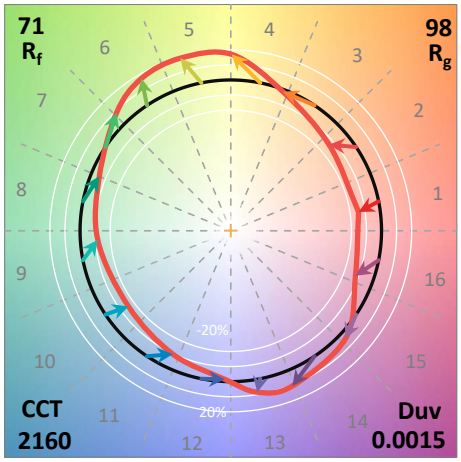
Spectral Power Distribution Comparison

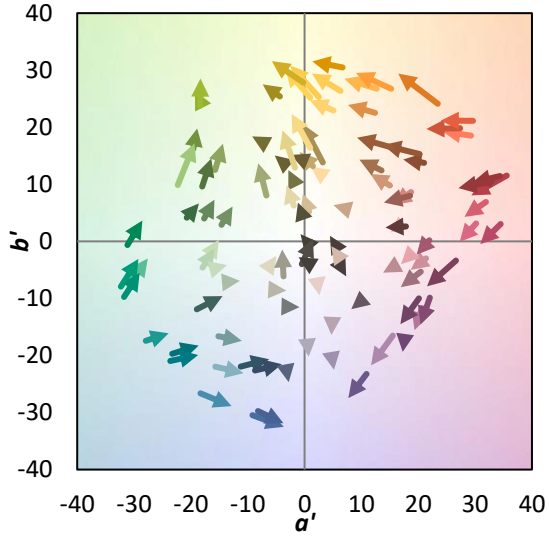


Color Vector Graphics







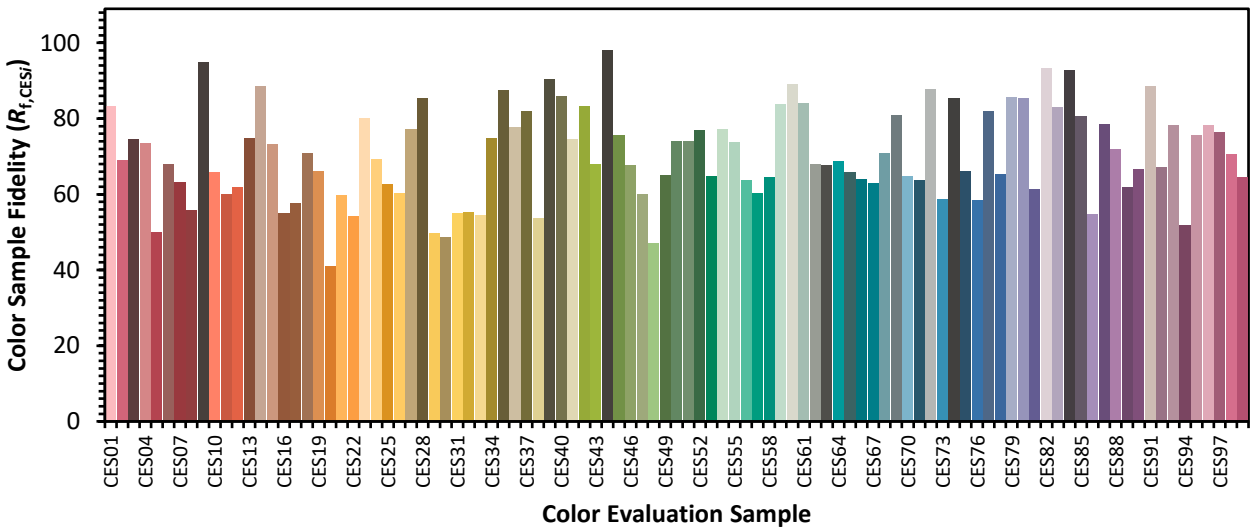


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

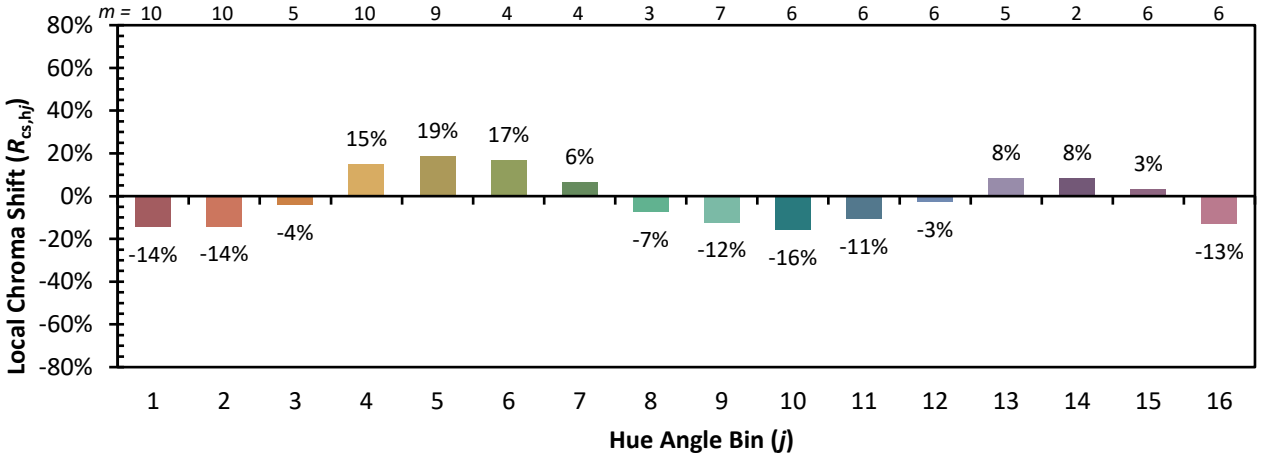
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	

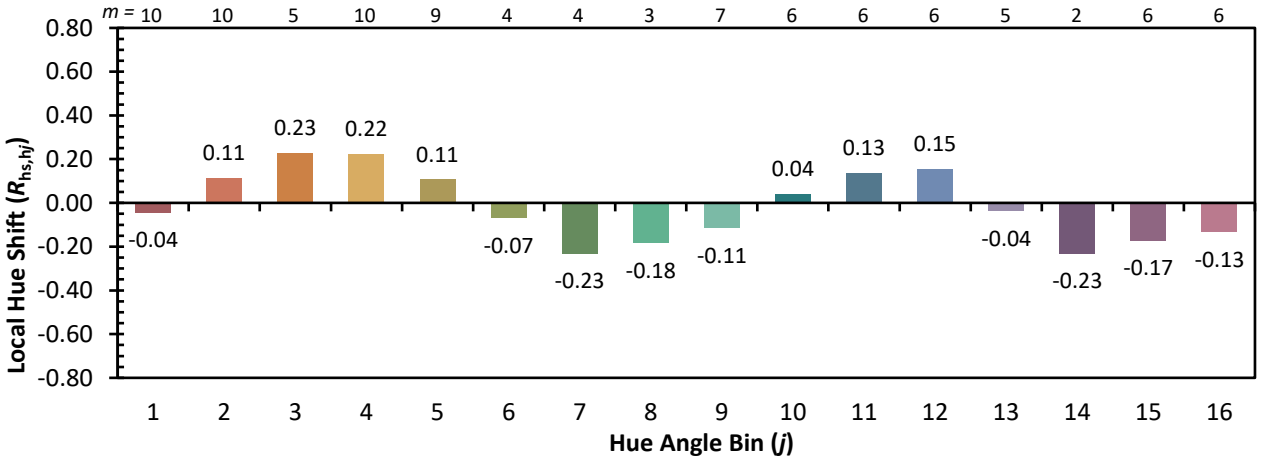


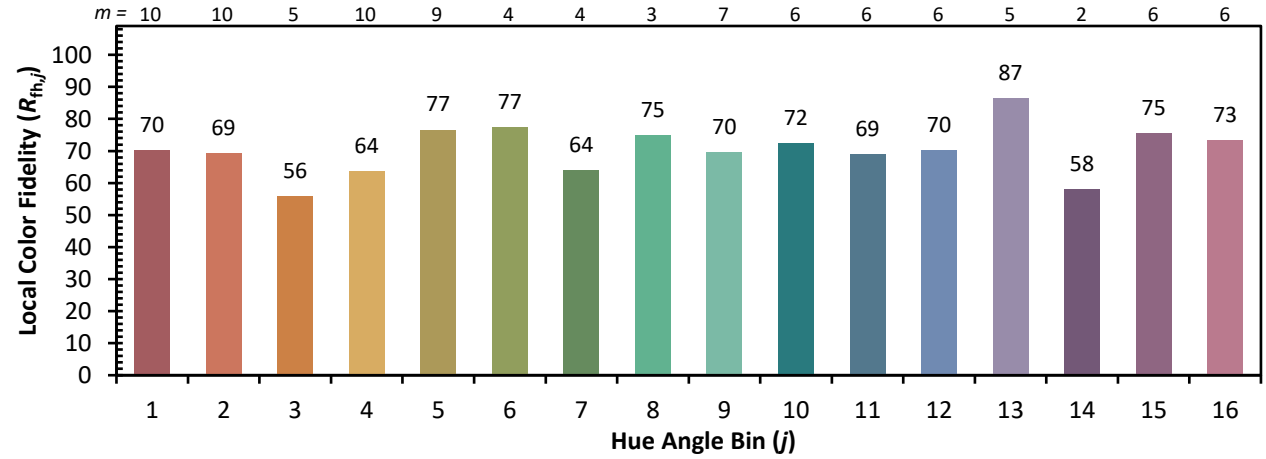
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



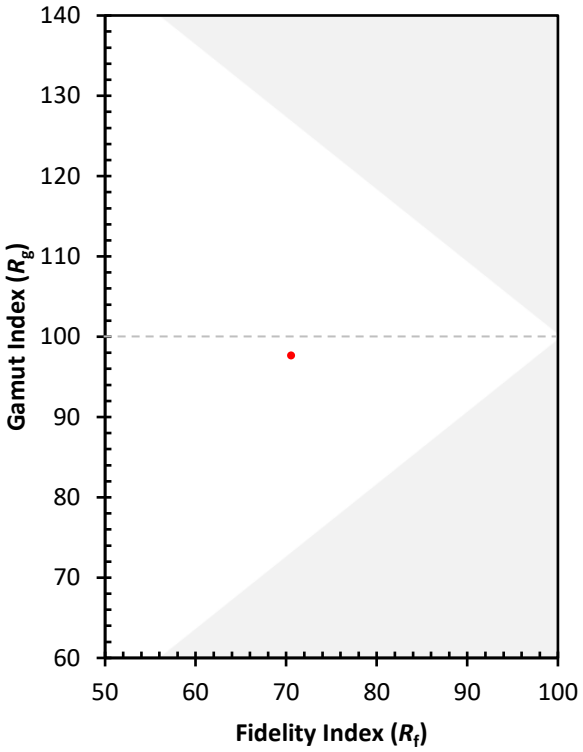


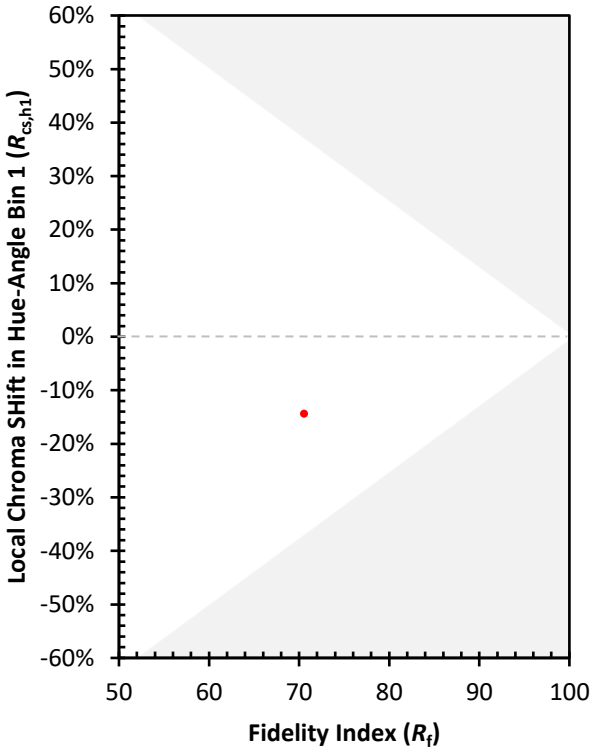


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)