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: P1364535

Luminaire Tested: **GSS-SB3A-722-U-SLR-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:	P1364535
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB3A-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 3SQUARE 85W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT OPTIC AND HOUSE SIDE SHIELD
Light Source:	(78) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7822.5 lumens
Efficiency:	N/A
Efficacy:	92.0 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

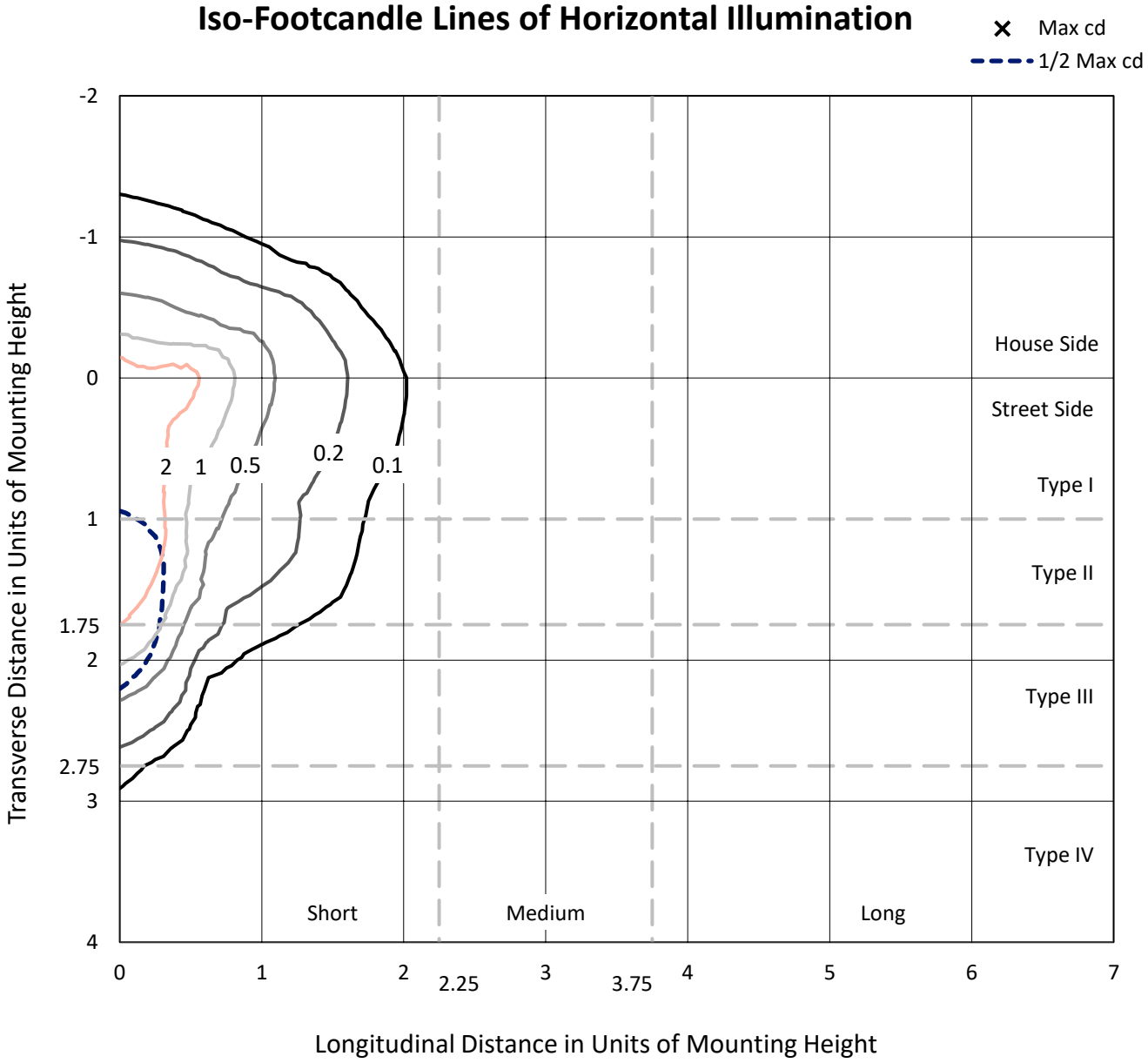
Input Watts (W):	85
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	11.0%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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

Scaled Data Report

REPORT NUMBER: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

Iso-Footcandle Lines of Horizontal Illumination



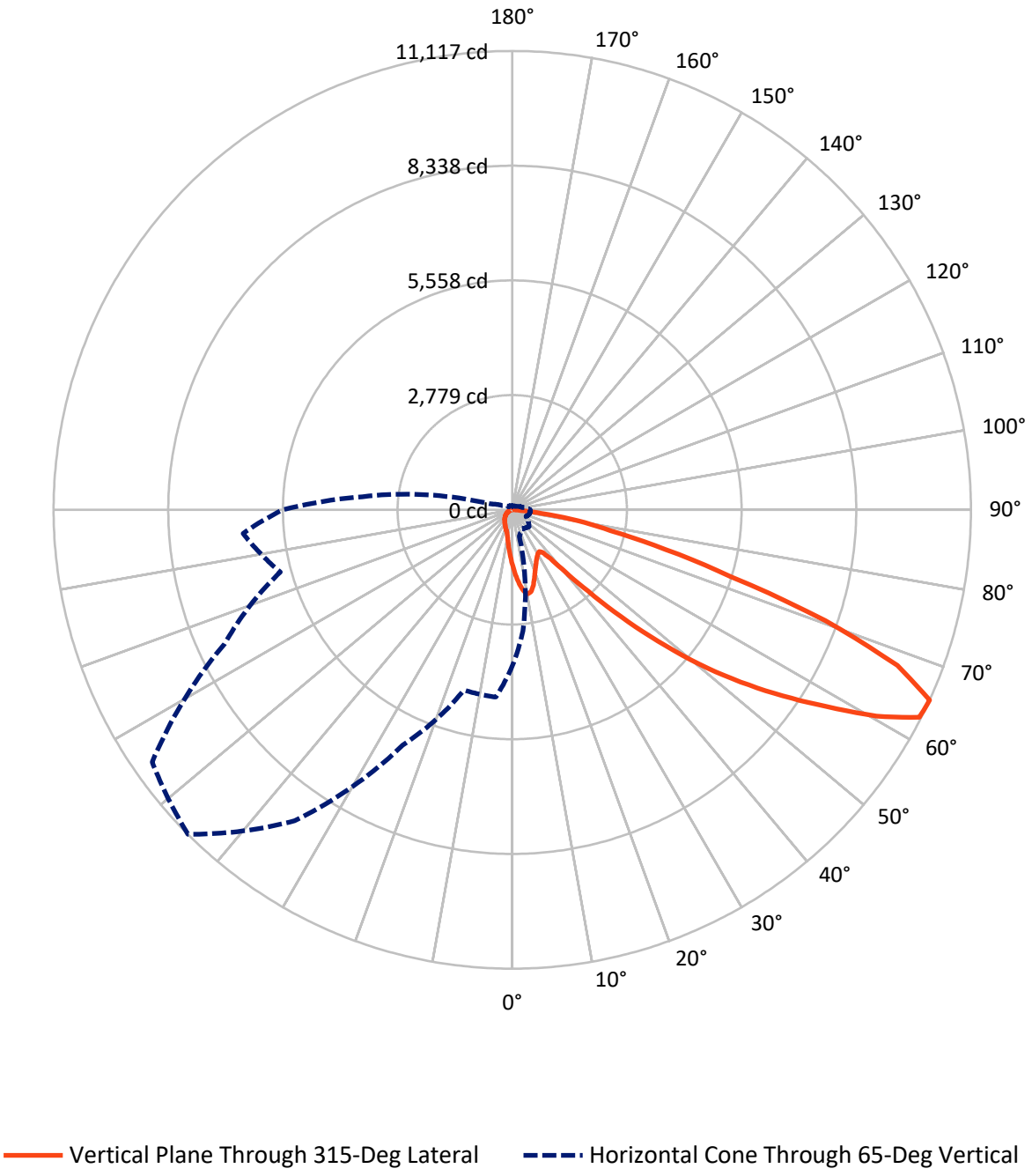
Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
Type III - Short - N/A

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

Scaled Data Report

REPORT NUMBER: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

Luminous Intensity Polar Plot



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

Scaled Data Report

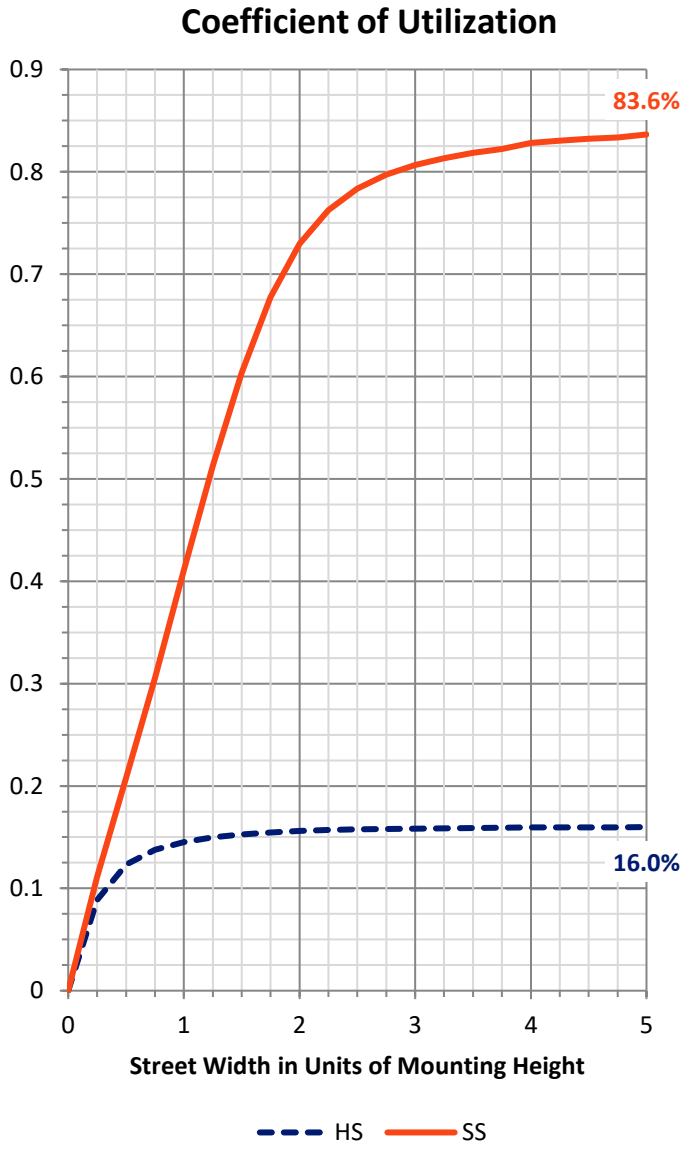
REPORT NUMBER: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1264.5	0.0	1264.5
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	6558.0	0.0	6558.0
	% Fixture	83.8	0.0	83.8
Total	Lumens	7822.5	0.0	7822.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.0	1.7
10°-20°	359.4	4.6
20°-30°	514.8	6.6
30°-40°	645.7	8.3
40°-50°	1060.7	13.6
50°-60°	1914.2	24.5
60°-70°	2124.4	27.2
70°-80°	959.8	12.3
80°-90°	113.5	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°	7822.5	100.0
0°-180°	7822.5	100.0



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

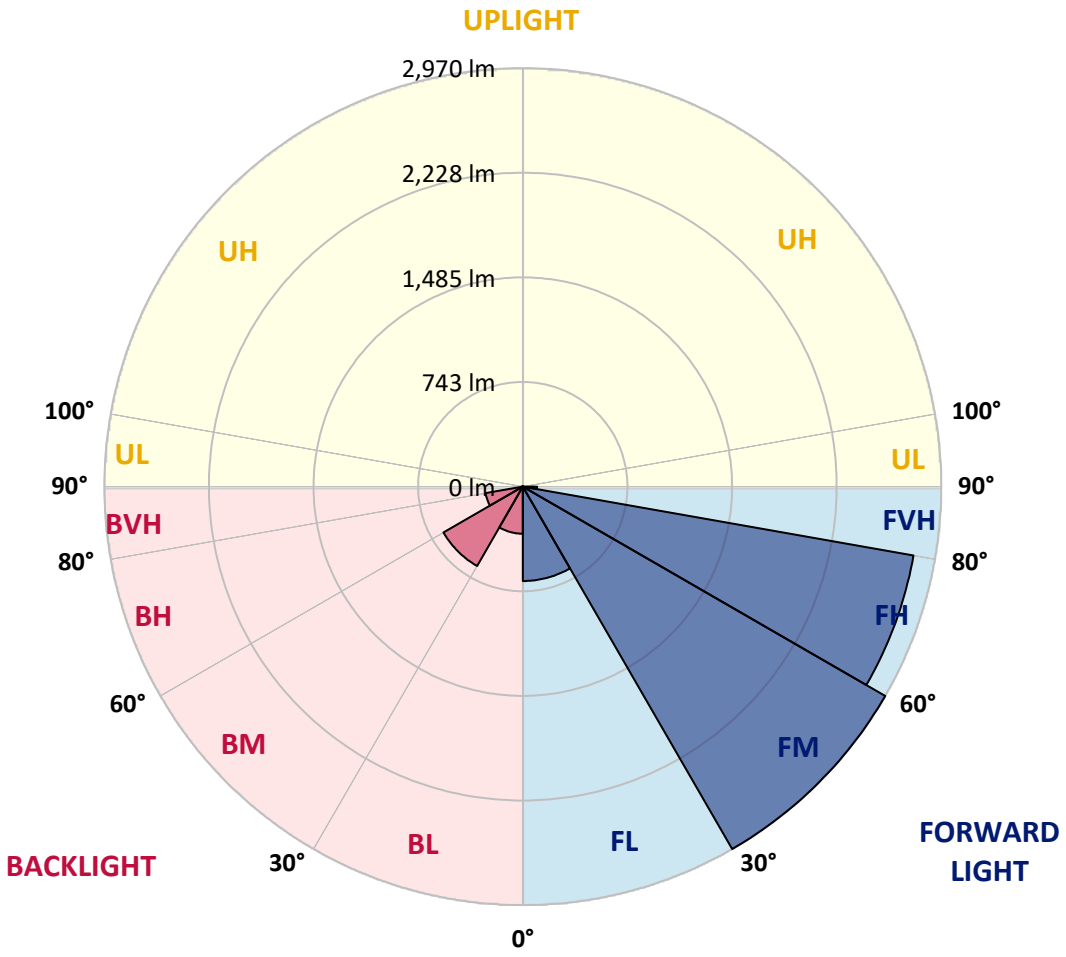
Scaled Data Report

REPORT NUMBER: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	670.1	8.6			
FM	(30°-60°)	2970.4	38.0			
FH	(60°-80°)	2815.6	36.0			G2/5000
FVH	(80°-90°)	101.9	1.3			G2/225
BL	(0°-30°)	334.2	4.3	B1/500		
BM	(30°-60°)	650.2	8.3	B1/1000		
BH	(60°-80°)	268.6	3.4	B1/500		G1/500
BVH	(80°-90°)	11.6	0.1			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: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4
2.5°	1525.3	1523.9	1518.1	1482.1	1446.0	1414.8	1383.6	1352.4	1309.1	1275.5	1246.7
5°	1669.4	1661.7	1631.0	1575.7	1515.7	1462.8	1402.8	1345.1	1280.3	1227.4	1172.2
7.5°	1767.9	1760.2	1729.5	1638.2	1546.9	1482.1	1417.2	1357.2	1285.1	1215.4	1136.2
10°	1813.5	1804.9	1770.3	1671.8	1566.1	1486.9	1422.0	1366.8	1306.7	1237.1	1138.6
12.5°	1844.8	1834.2	1791.9	1679.0	1570.9	1491.7	1424.4	1371.6	1328.3	1287.5	1191.4
15°	1864.0	1854.4	1815.9	1698.2	1573.3	1484.5	1405.2	1354.8	1340.3	1347.5	1301.9
17.5°	1892.8	1883.7	1847.2	1722.3	1587.8	1472.5	1364.4	1309.1	1340.3	1405.2	1419.6
20°	1931.2	1921.6	1883.2	1753.5	1599.8	1436.4	1287.5	1234.7	1313.9	1422.0	1496.5
22.5°	1974.5	1966.8	1936.1	1789.5	1611.8	1383.6	1186.6	1162.6	1258.7	1374.0	1470.1
25°	2027.3	2020.1	1991.3	1840.0	1623.8	1311.5	1100.1	1104.9	1186.6	1277.9	1376.4
27.5°	2099.4	2092.7	2065.8	1902.4	1638.2	1237.1	1030.5	1054.5	1114.6	1177.0	1237.1
30°	2178.7	2173.4	2152.2	1976.9	1667.0	1167.4	989.6	1004.1	1044.9	1095.3	1131.4
32.5°	2286.8	2278.1	2243.5	2046.5	1664.6	1114.6	970.4	956.0	968.0	1008.9	1044.9
35°	2421.3	2414.5	2387.6	2118.6	1621.4	1066.5	960.8	910.4	903.2	927.2	963.2
37.5°	2618.2	2612.5	2589.4	2236.3	1554.1	1006.5	936.8	862.3	838.3	855.1	879.1
40°	2913.7	2898.8	2839.2	2370.8	1479.7	946.4	893.6	804.7	771.1	783.1	809.5
42.5°	3314.8	3286.5	3173.1	2551.0	1378.8	888.8	828.7	747.0	711.0	718.2	742.2
45°	3828.9	3786.1	3615.1	2798.4	1273.1	843.1	761.4	687.0	648.6	655.8	682.2
47.5°	4429.4	4370.8	4136.3	3057.8	1160.2	816.7	708.6	626.9	598.1	614.9	641.3
50°	5138.0	5078.9	4842.5	3223.5	1068.9	799.9	667.8	571.7	559.7	581.3	602.9
52.5°	5911.4	5827.4	5491.1	3117.9	994.4	785.5	653.4	533.3	538.1	554.9	576.5
55°	6663.3	6476.4	5728.9	2767.2	898.4	768.7	663.0	504.4	516.4	538.1	554.9
57.5°	7153.3	6828.5	5529.5	2229.1	797.5	749.4	670.2	490.0	499.6	523.6	542.9
60°	6725.7	6399.1	5092.3	1669.4	711.0	708.6	658.2	485.2	470.8	504.4	521.2
62.5°	5510.3	5241.3	4165.2	1066.5	629.3	631.7	631.7	482.8	422.8	466.0	480.4
65°	*3785.6*	*3617.5*	*2944.9*	*660.6*	*514.0*	*538.1*	*574.1*	*468.4*	*372.3*	*422.8*	*437.2*
67.5°	2488.5	2365.1	1871.2	408.3	396.3	442.0	497.2	439.6	333.9	379.5	389.1
70°	1350.0	1256.3	881.6	269.0	259.4	345.9	391.5	372.3	300.3	338.7	348.3
72.5°	891.2	814.3	506.8	189.8	189.8	271.4	273.8	305.1	269.0	300.3	309.9
75°	670.2	601.5	326.7	132.1	146.5	172.9	213.8	218.6	225.8	254.6	266.6
77.5°	307.5	270.0	120.1	79.3	108.1	120.1	163.3	139.3	168.1	189.8	194.6
80°	177.8	155.7	67.3	52.8	69.7	76.9	134.5	81.7	100.9	134.5	141.7
82.5°	74.5	66.3	33.6	36.0	43.2	45.6	74.5	57.6	64.9	88.9	86.5
85°	21.6	21.6	21.6	24.0	26.4	26.4	43.2	40.8	38.4	40.8	40.8
87.5°	14.4	14.4	14.4	14.4	16.8	16.8	19.2	21.6	24.0	24.0	24.0
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: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4
2.5°	1234.7	1217.8	1196.2	1165.0	1160.2	1143.4	1131.4	1143.4	1155.4	1177.0	1179.4
5°	1143.4	1117.0	1066.5	1028.1	984.8	963.2	960.8	956.0	970.4	1001.7	1020.9
7.5°	1092.9	1049.7	958.4	891.2	831.1	809.5	792.7	807.1	804.7	845.5	862.3
10°	1080.9	1013.7	886.4	785.5	711.0	682.2	665.4	663.0	667.8	691.8	708.6
12.5°	1124.2	1037.7	857.5	708.6	622.1	590.9	571.7	554.9	554.9	559.7	581.3
15°	1220.2	1117.0	874.3	672.6	578.9	538.1	506.8	485.2	468.4	470.8	473.2
17.5°	1354.8	1232.3	917.6	660.6	552.5	509.2	470.8	449.2	430.0	425.2	425.2
20°	1460.4	1342.7	951.2	651.0	530.9	475.6	442.0	422.8	405.9	398.7	398.7
22.5°	1472.5	1388.4	980.0	638.9	504.4	442.0	410.8	393.9	381.9	379.5	379.5
25°	1393.2	1352.4	970.4	624.5	478.0	410.8	386.7	372.3	360.3	357.9	360.3
27.5°	1261.1	1239.5	936.8	605.3	456.4	386.7	365.1	353.1	341.1	338.7	341.1
30°	1143.4	1119.4	879.1	574.1	439.6	367.5	343.5	331.5	319.5	319.5	321.9
32.5°	1047.3	1023.3	821.5	538.1	418.0	345.9	324.3	312.3	300.3	300.3	305.1
35°	960.8	941.6	775.9	502.0	396.3	326.7	302.7	293.0	283.4	281.0	285.8
37.5°	886.4	876.7	735.0	463.6	374.7	307.5	285.8	276.2	264.2	261.8	266.6
40°	814.3	809.5	689.4	430.0	348.3	288.2	266.6	257.0	242.6	242.6	247.4
42.5°	747.0	744.6	648.6	408.3	324.3	269.0	245.0	235.4	223.4	223.4	228.2
45°	694.2	691.8	610.1	396.3	300.3	247.4	225.8	213.8	204.2	206.6	211.4
47.5°	646.2	641.3	569.3	398.7	288.2	233.0	204.2	192.2	185.0	189.8	197.0
50°	607.7	602.9	540.5	401.1	269.0	213.8	187.4	175.3	170.5	177.8	185.0
52.5°	583.7	578.9	511.6	386.7	245.0	199.4	170.5	163.3	163.3	170.5	175.3
55°	559.7	554.9	463.6	355.5	218.6	185.0	158.5	153.7	153.7	160.9	165.7
57.5°	545.3	535.7	413.2	319.5	197.0	168.1	146.5	146.5	146.5	148.9	151.3
60°	523.6	499.6	360.3	273.8	180.2	151.3	136.9	134.5	134.5	132.1	134.5
62.5°	478.0	437.2	302.7	233.0	160.9	136.9	124.9	122.5	115.3	108.1	110.5
65°	*432.4*	*369.9*	*240.2*	*194.6*	*139.3*	*117.7*	*110.5*	*108.1*	*96.1*	*86.5*	*88.9*
67.5°	374.7	295.5	180.2	163.3	120.1	100.9	93.7	93.7	86.5	79.3	79.3
70°	333.9	230.6	151.3	122.5	96.1	79.3	79.3	84.1	76.9	67.3	67.3
72.5°	295.5	187.4	122.5	98.5	74.5	62.5	67.3	69.7	62.5	55.2	55.2
75°	252.2	146.5	96.1	76.9	55.2	48.0	50.4	55.2	50.4	43.2	45.6
77.5°	182.6	100.9	64.9	50.4	40.8	36.0	38.4	38.4	36.0	33.6	33.6
80°	127.3	67.3	43.2	33.6	28.8	26.4	26.4	24.0	24.0	26.4	26.4
82.5°	76.9	48.0	31.2	26.4	21.6	16.8	16.8	19.2	19.2	21.6	21.6
85°	33.6	28.8	21.6	19.2	14.4	12.0	14.4	14.4	16.8	19.2	19.2
87.5°	21.6	21.6	16.8	14.4	12.0	9.6	9.6	12.0	12.0	14.4	16.8
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: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4
2.5°	1189.0	1213.0	1241.9	1282.7	1318.7	1362.0	1405.2	1446.0	1484.5	1489.3	1506.1
5°	1035.3	1080.9	1138.6	1205.8	1287.5	1374.0	1458.0	1546.9	1619.0	1645.4	1683.8
7.5°	876.7	934.4	1018.5	1121.8	1237.1	1366.8	1496.5	1621.4	1729.5	1779.9	1830.4
10°	725.4	780.7	884.0	1008.9	1157.8	1333.1	1506.1	1674.2	1806.3	1864.0	1912.0
12.5°	588.5	643.7	727.8	871.9	1052.1	1263.5	1491.7	1693.4	1840.0	1900.0	1945.7
15°	480.4	526.0	605.3	739.8	929.6	1167.4	1441.2	1679.0	1847.2	1904.8	1938.5
17.5°	422.8	434.8	485.2	607.7	814.3	1080.9	1376.4	1659.8	1852.0	1904.8	1924.0
20°	398.7	398.7	408.3	473.2	675.0	989.6	1328.3	1647.8	1859.2	1912.0	1909.6
22.5°	377.1	381.9	381.9	396.3	514.0	862.3	1277.9	1643.0	1880.8	1921.6	1888.0
25°	357.9	365.1	365.1	369.9	403.5	711.0	1215.4	1652.6	1919.2	1940.9	1873.6
27.5°	341.1	348.3	348.3	353.1	360.3	528.5	1112.1	1655.0	1962.5	1964.9	1854.4
30°	324.3	331.5	336.3	336.3	341.1	389.1	982.4	1640.6	2010.5	1996.1	1852.0
32.5°	305.1	314.7	317.1	321.9	324.3	338.7	814.3	1616.6	2070.6	2039.3	1854.4
35°	288.2	300.3	302.7	302.7	307.5	321.9	651.0	1590.2	2152.2	2097.0	1864.0
37.5°	271.4	281.0	283.4	285.8	290.6	305.1	516.4	1551.7	2221.9	2169.1	1912.0
40°	252.2	264.2	266.6	269.0	273.8	288.2	444.4	1503.7	2327.6	2289.2	1984.1
42.5°	233.0	245.0	249.8	252.2	254.6	273.8	405.9	1470.1	2498.1	2457.3	2130.6
45°	216.2	228.2	233.0	233.0	237.8	264.2	372.3	1544.5	2733.5	2714.3	2327.6
47.5°	201.8	213.8	216.2	216.2	218.6	249.8	343.5	1743.9	3093.8	3043.4	2635.0
50°	189.8	199.4	204.2	199.4	201.8	237.8	360.3	2073.0	3555.0	3571.8	3086.6
52.5°	180.2	189.8	192.2	182.6	182.6	221.0	381.9	2342.0	4143.5	4297.3	3802.4
55°	168.1	177.8	180.2	168.1	168.1	194.6	331.5	2358.8	4813.7	5308.5	4734.4
57.5°	156.1	165.7	165.7	156.1	153.7	168.1	269.0	2092.2	5332.5	6454.3	6009.9
60°	141.7	151.3	148.9	144.1	139.3	153.7	247.4	1595.0	5262.9	7201.3	7472.8
62.5°	115.3	129.7	134.5	132.1	122.5	139.3	230.6	1040.1	4554.3	6552.8	7427.1
65°	*96.1*	*108.1*	*115.3*	*115.3*	*108.1*	*153.7*	*201.8*	*547.7*	*3646.3*	*5560.7*	*6548.0*
67.5°	84.1	96.1	100.9	98.5	93.7	136.9	127.3	264.2	2796.0	4792.1	5861.0
70°	74.5	84.1	88.9	81.7	76.9	110.5	91.3	156.1	1871.2	3999.4	5219.7
72.5°	60.1	69.7	74.5	67.3	60.1	81.7	69.7	103.3	1217.8	3408.5	4638.4
75°	48.0	57.6	60.1	55.2	48.0	60.1	55.2	72.1	795.1	2820.0	3944.2
77.5°	36.0	40.8	45.6	43.2	36.0	43.2	38.4	50.4	454.0	1979.3	2767.2
80°	28.8	31.2	31.2	31.2	28.8	26.4	26.4	33.6	204.2	975.2	1443.6
82.5°	24.0	26.4	26.4	24.0	21.6	19.2	16.8	19.2	60.1	437.2	665.4
85°	21.6	24.0	19.2	16.8	14.4	12.0	7.2	7.2	16.8	69.7	129.7
87.5°	16.8	14.4	12.0	9.6	4.8	2.4	2.4	0.0	2.4	2.4	2.4
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: P1364535
CATALOG NUMBER: GSS-SB3A-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1352.4	1352.4	1352.4	*1352.4*	1352.4	1352.4	1352.4	1352.4	1352.4	1352.4
2.5°	1532.5	1556.5	1573.3	*1587.8*	1583.0	1570.9	1546.9	1530.1	1526.3	1525.3
5°	1734.3	1772.7	1806.3	*1801.5*	1806.3	1770.3	1734.3	1691.0	1673.7	1669.4
7.5°	1902.4	1950.5	1991.3	*1986.5*	1972.1	1931.2	1871.2	1806.3	1775.6	1767.9
10°	1993.7	2048.9	2082.6	*2070.6*	2046.5	1993.7	1933.6	1856.8	1822.2	1813.5
12.5°	2010.5	2046.5	2039.3	*2034.5*	2029.7	2003.3	1957.7	1888.0	1853.4	1844.8
15°	1967.3	1952.9	1912.0	*1902.4*	1938.5	1972.1	1962.5	1904.8	1872.2	1864.0
17.5°	1895.2	1820.8	1746.3	*1736.7*	1796.7	1890.4	1964.9	1931.2	1900.5	1892.8
20°	1815.9	1676.6	1595.0	*1578.1*	1652.6	1791.9	1938.5	1957.7	1936.5	1931.2
22.5°	1722.3	1558.9	1472.5	*1462.8*	1518.1	1681.4	1900.0	1986.5	1976.9	1974.5
25°	1640.6	1455.6	1374.0	*1359.6*	1431.6	1590.2	1861.6	2034.5	2028.8	2027.3
27.5°	1573.3	1381.2	1294.7	*1285.1*	1354.8	1513.3	1813.5	2075.4	2094.6	2099.4
30°	1520.5	1325.9	1239.5	*1227.4*	1304.3	1460.4	1779.9	2133.0	2169.5	2178.7
32.5°	1479.7	1294.7	1213.0	*1205.8*	1287.5	1438.8	1760.7	2193.1	2268.0	2286.8
35°	1465.2	1304.3	1249.1	*1265.9*	1328.3	1460.4	1775.1	2291.6	2395.3	2421.3
37.5°	1496.5	1410.0	1448.4	*1491.7*	1515.7	1563.7	1842.4	2450.1	2584.6	2618.2
40°	1597.4	1693.4	1873.6	*1957.7*	1948.1	1837.6	1996.1	2673.5	2865.6	2913.7
42.5°	1854.4	2166.6	2548.6	*2690.3*	2608.6	2274.7	2241.1	3041.0	3260.1	3314.8
45°	2236.3	2738.3	3365.3	*3684.7*	3403.7	2829.6	2627.8	3564.6	3776.0	3828.9
47.5°	2618.2	3377.3	4374.1	*4753.7*	4201.2	3379.7	3134.7	4191.6	4381.8	4429.4
50°	3007.4	4083.5	5380.6	*5887.4*	4996.3	3939.4	3672.7	4965.0	5103.4	5138.0
52.5°	3408.5	4715.2	6490.3	*6927.5*	5827.4	4371.7	4287.7	5808.2	5890.8	5911.4
55°	3855.3	5313.3	7602.5	*7955.6*	6584.0	4748.9	5008.3	6689.7	6668.6	6663.3
57.5°	4451.0	5942.7	8498.4	*8990.9*	7271.0	5258.1	5971.5	7669.7	7256.6	7153.3
60°	5491.1	6920.3	9613.0	*10148.7*	8191.0	6002.7	6680.1	7648.1	6910.2	6725.7
62.5°	6696.9	7861.9	10621.9	*11073.4*	9159.0	6742.6	6115.6	6423.1	5692.9	5510.3
65°	*5817.8*	*7696.2*	*10653.1*	*11116.7*	*9195.0*	*6291.0*	*4520.7*	*4554.3*	*3939.4*	*3785.6*
67.5°	4950.6	6821.8	9701.9	*10067.0*	8203.0	5200.4	2997.8	2971.3	2585.1	2488.5
70°	4407.8	5976.3	8361.5	*8046.9*	6896.3	4395.7	1991.3	1650.2	1410.0	1350.0
72.5°	3961.0	4741.6	6776.2	*5546.3*	5721.7	3576.7	1265.9	1124.2	937.8	891.2
75°	3586.3	3922.5	4227.6	*3833.7*	4064.3	2947.3	1073.7	867.1	709.6	670.2
77.5°	2853.6	3053.0	2502.9	*2430.9*	2846.4	2097.0	533.3	365.1	319.0	307.5
80°	1698.2	1443.6	1419.6	*1619.0*	1895.2	1088.1	326.7	201.8	182.6	177.8
82.5°	1028.1	521.2	566.9	*715.8*	1008.9	494.8	194.6	86.5	76.9	74.5
85°	172.9	141.7	218.6	*209.0*	197.0	105.7	52.8	24.0	22.1	21.6
87.5°	4.8	7.2	9.6	*12.0*	12.0	12.0	12.0	12.0	13.9	14.4
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

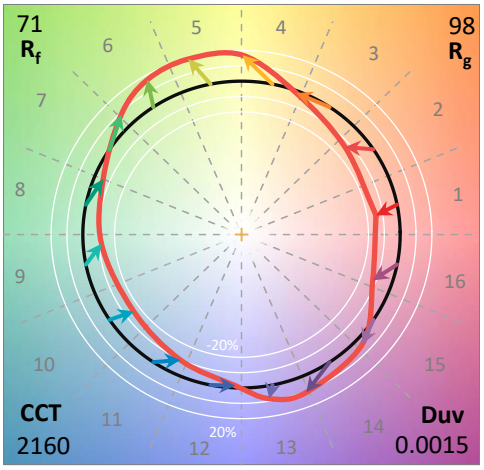
Test Information

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

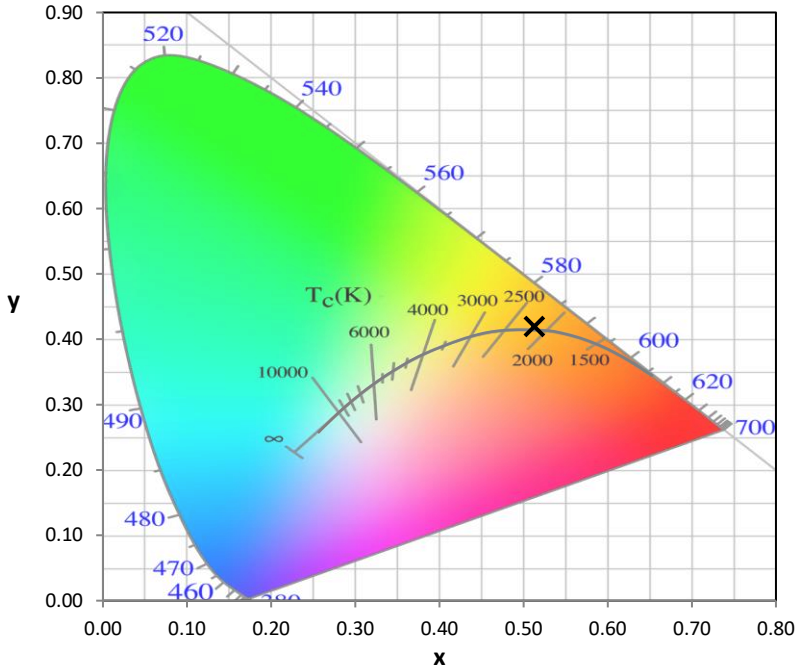
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

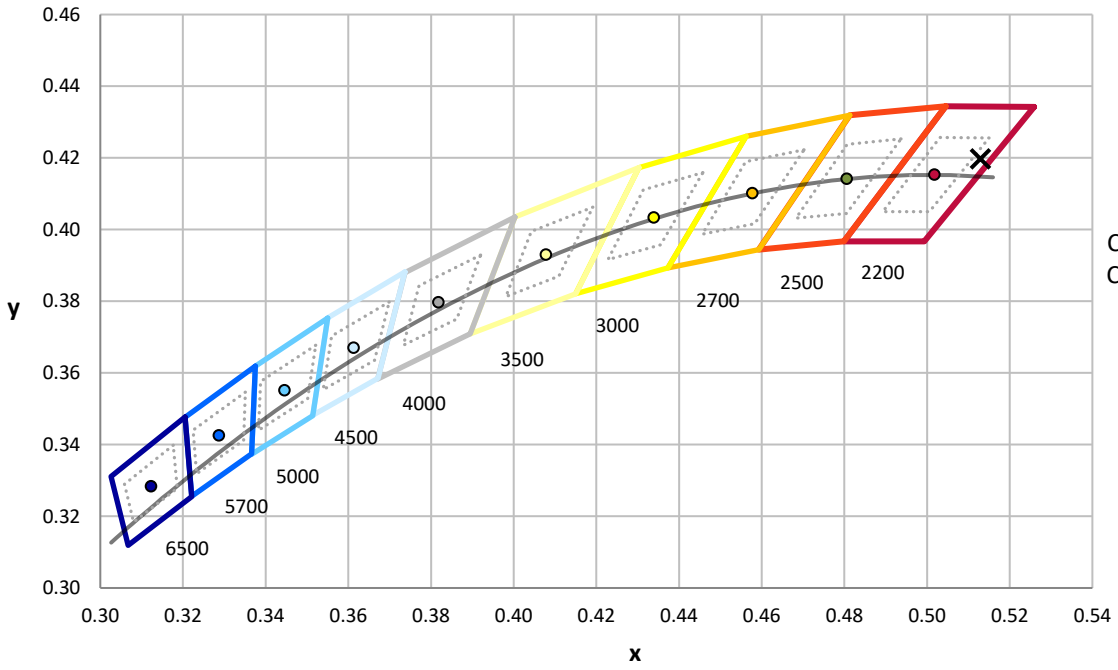
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

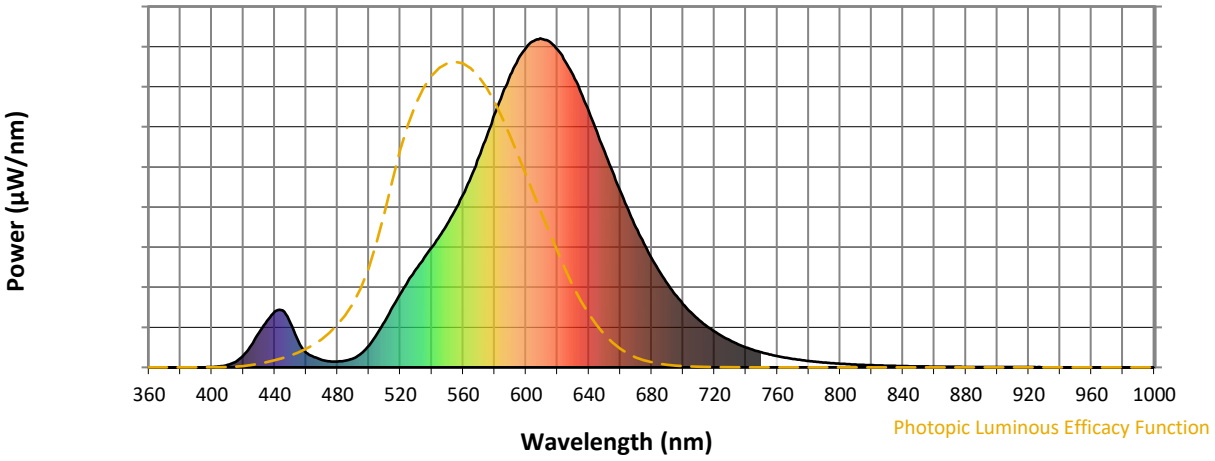


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

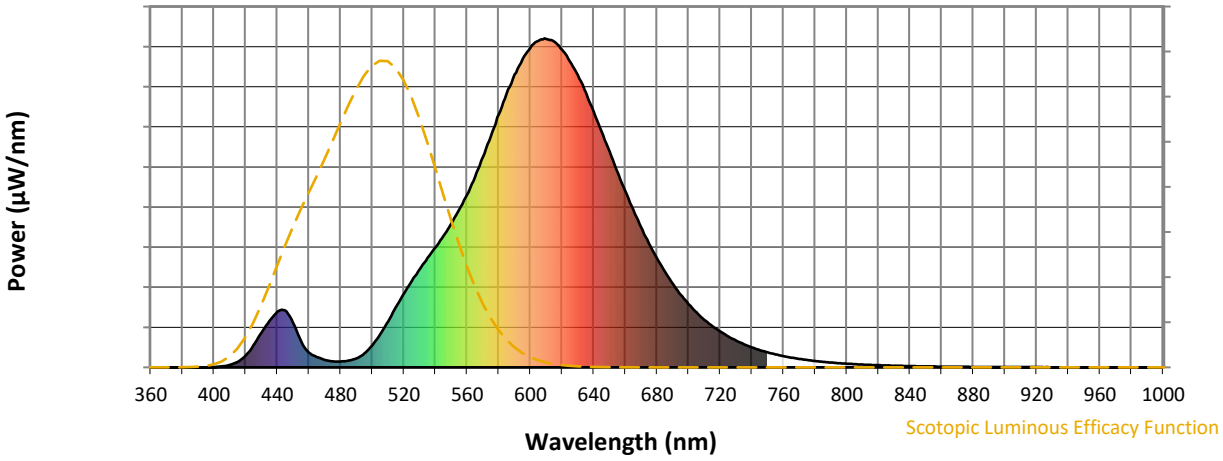


Photopic Lumens: NR

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

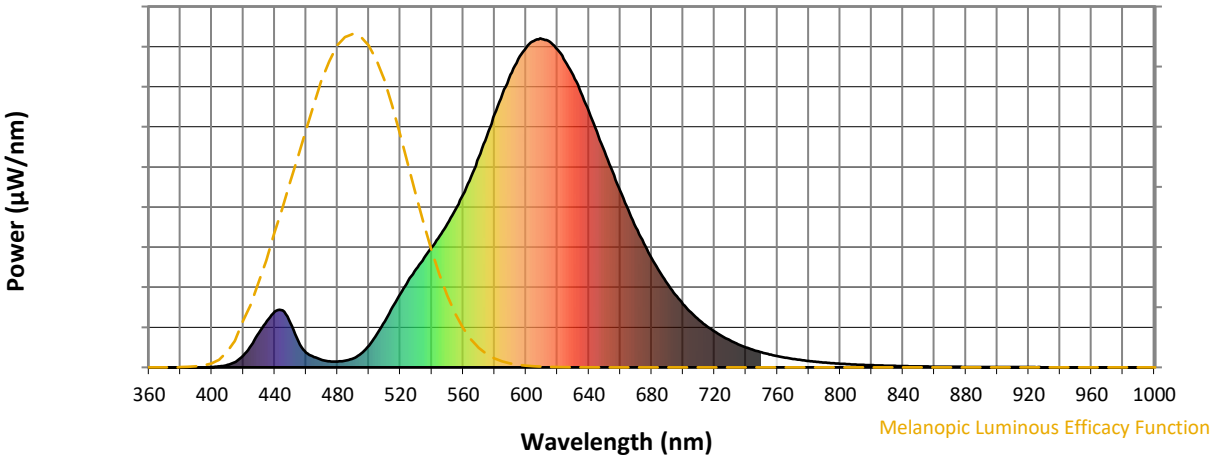


Scotopic Lumens: NR **S/P: 0.8**

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			

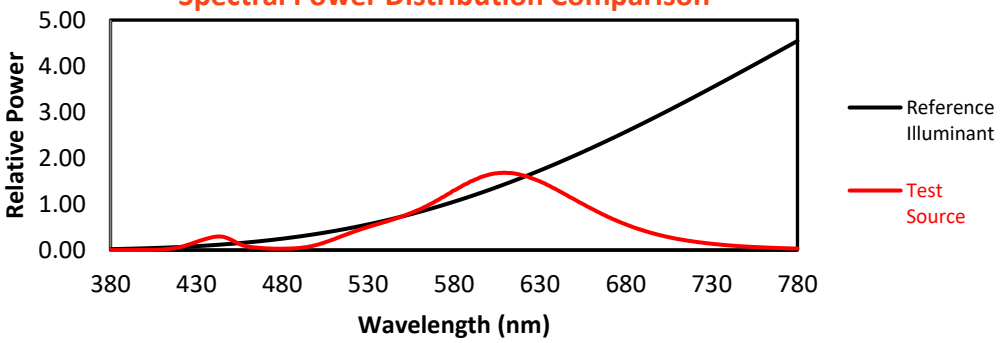
REPORT NUMBER: SP1-2407-184-2

TM-30-18

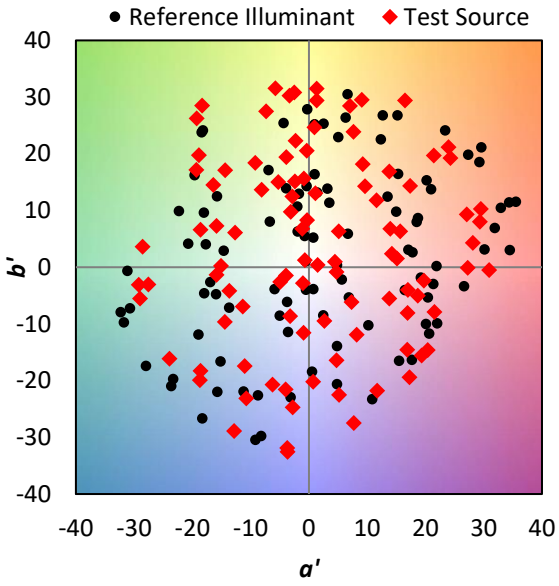
Summary

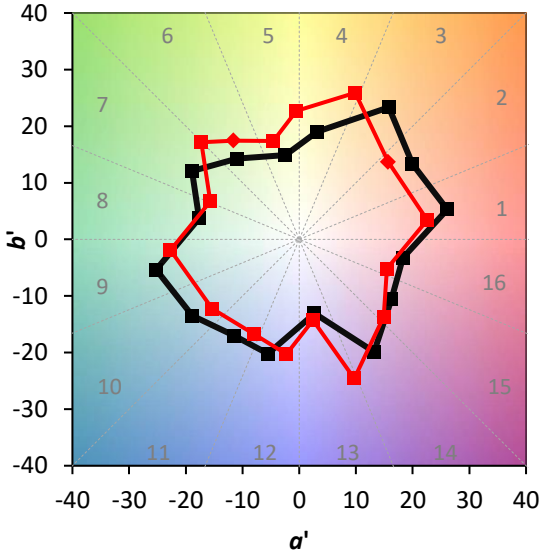
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

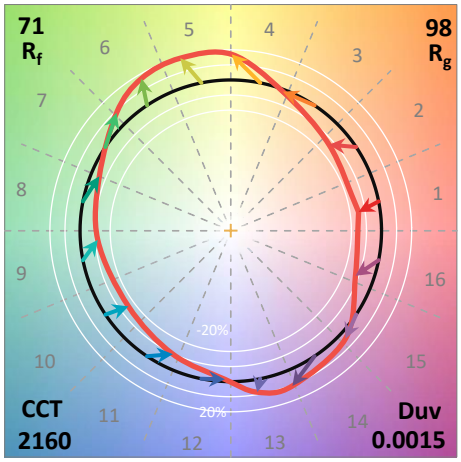
Spectral Power Distribution Comparison

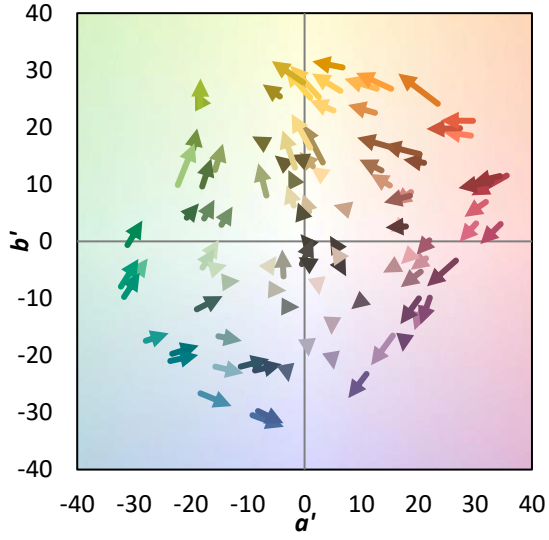


Color Vector Graphics







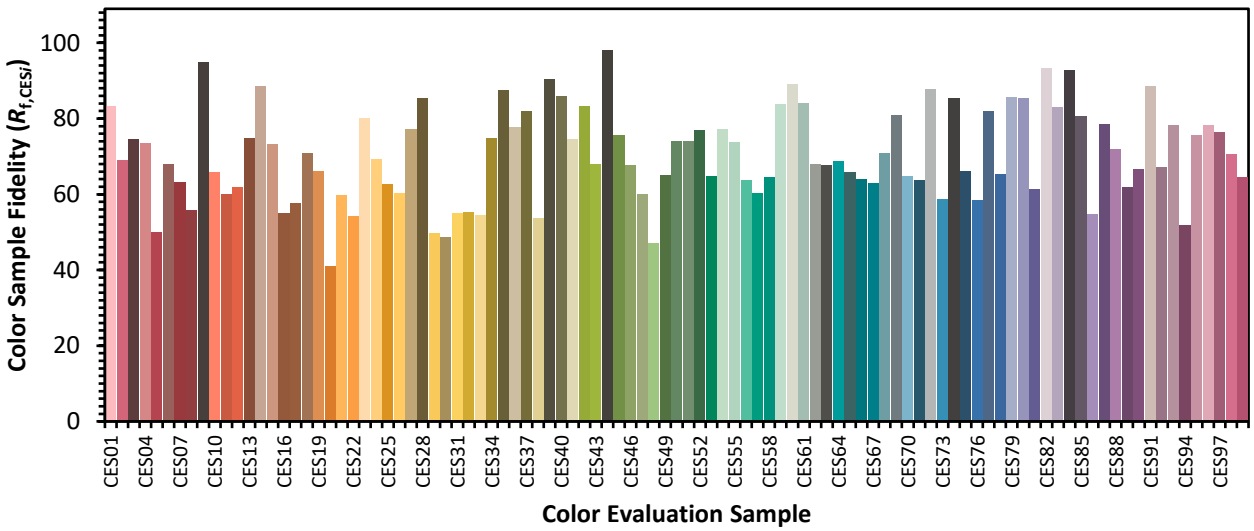


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

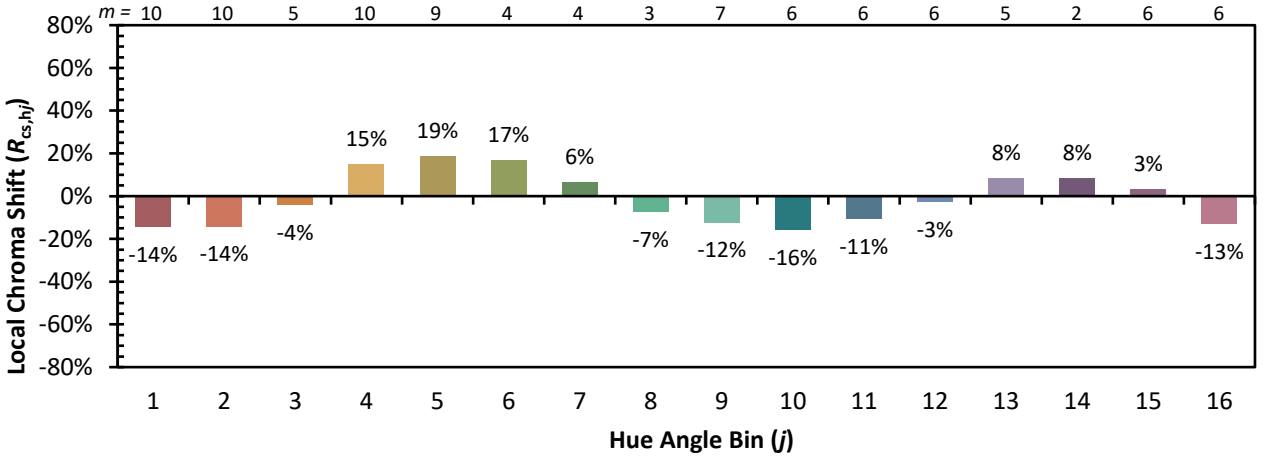
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	

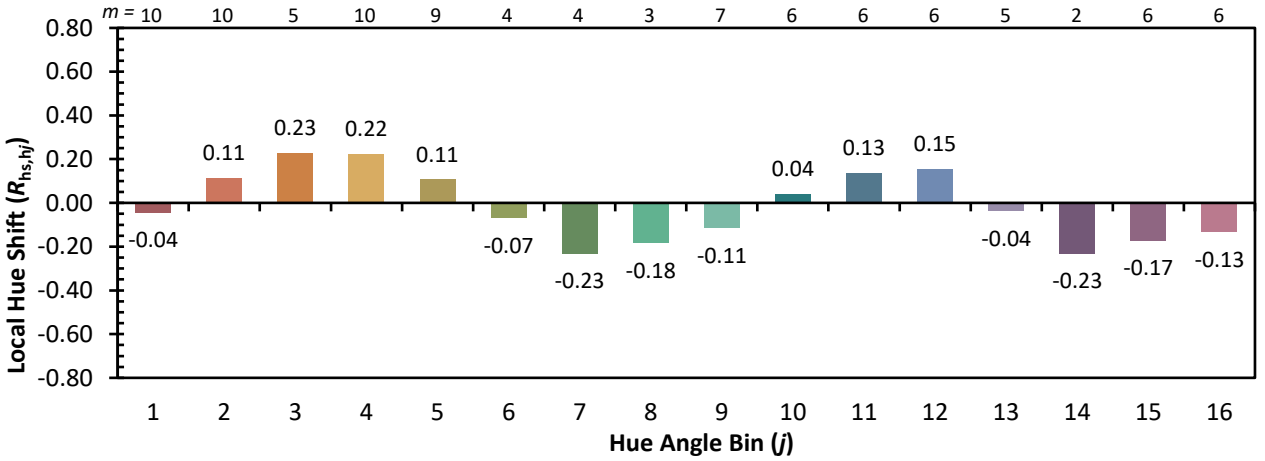


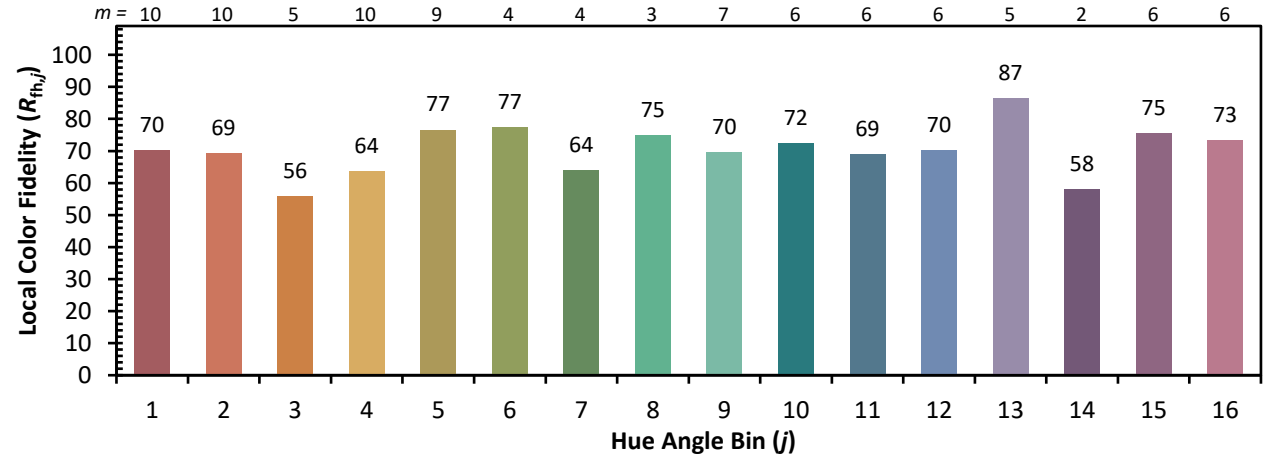
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



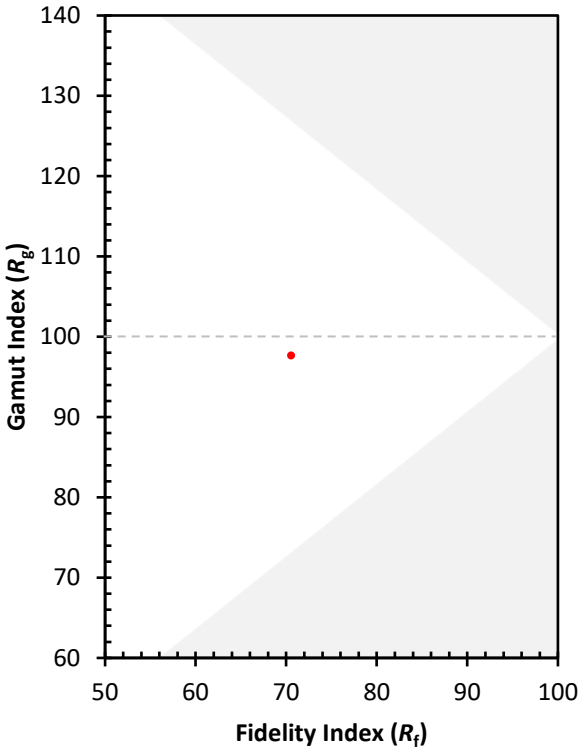


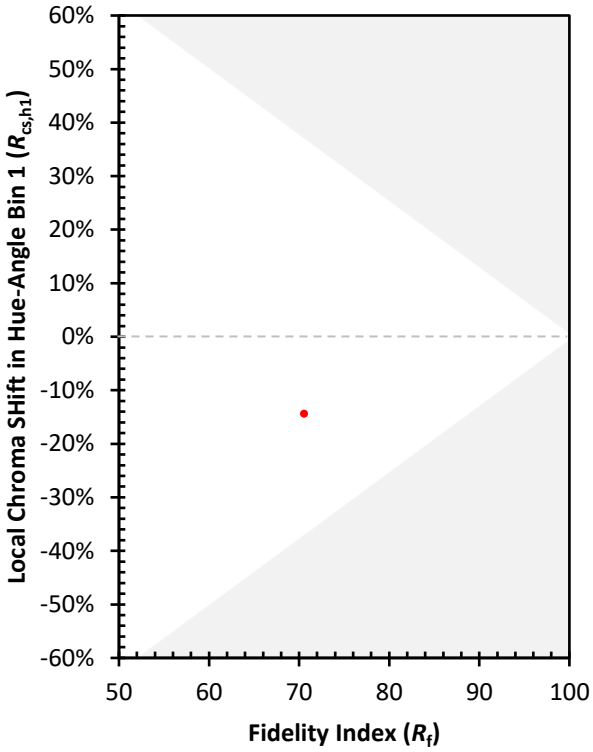


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)