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: P1365295

Luminaire Tested: **GSS-SB1A-722-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365295
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-722-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2545.1 lumens
Efficiency:	N/A
Efficacy:	82.1 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

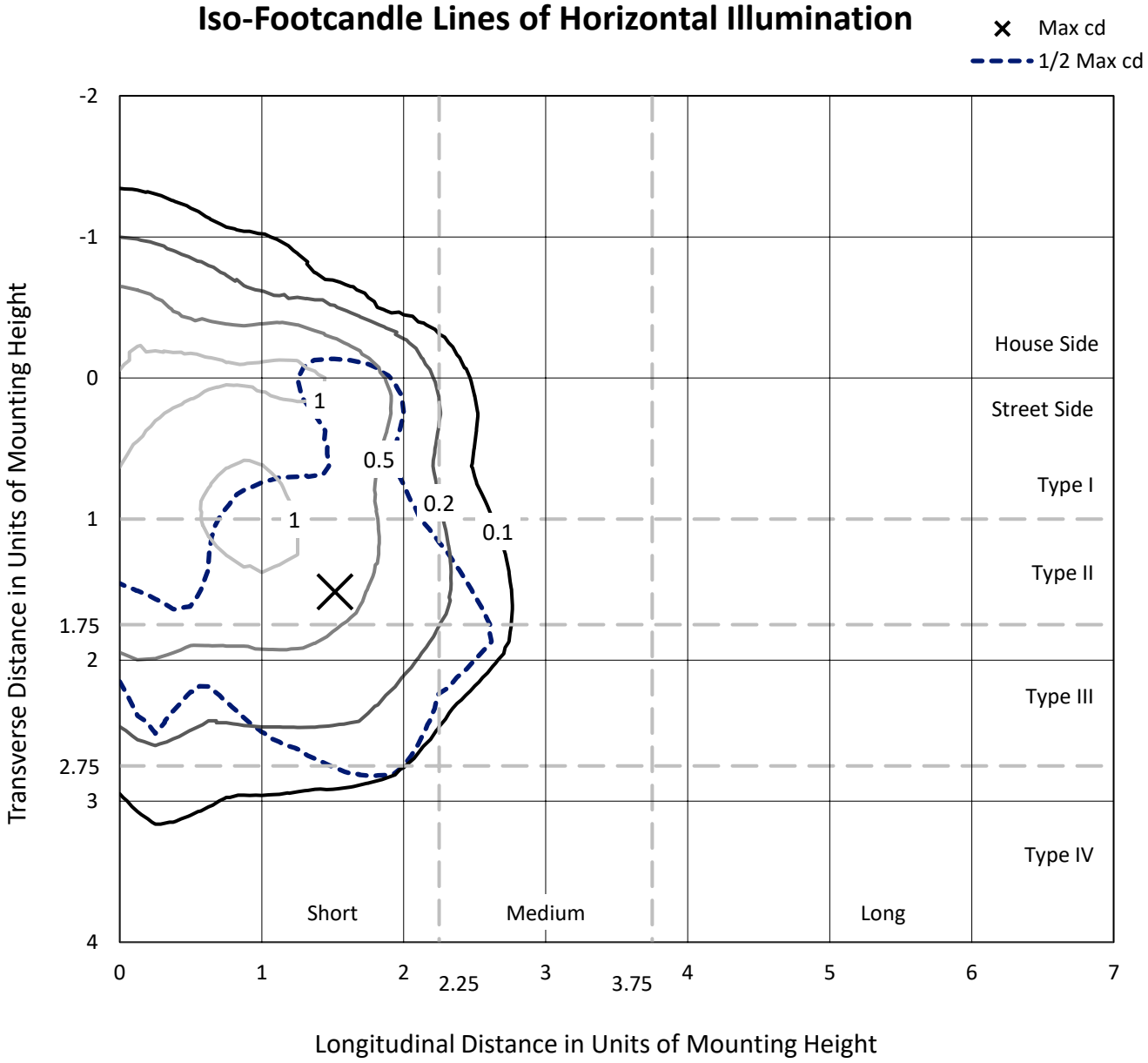
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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CATALOG NUMBER: GSS-SB1A-722-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination



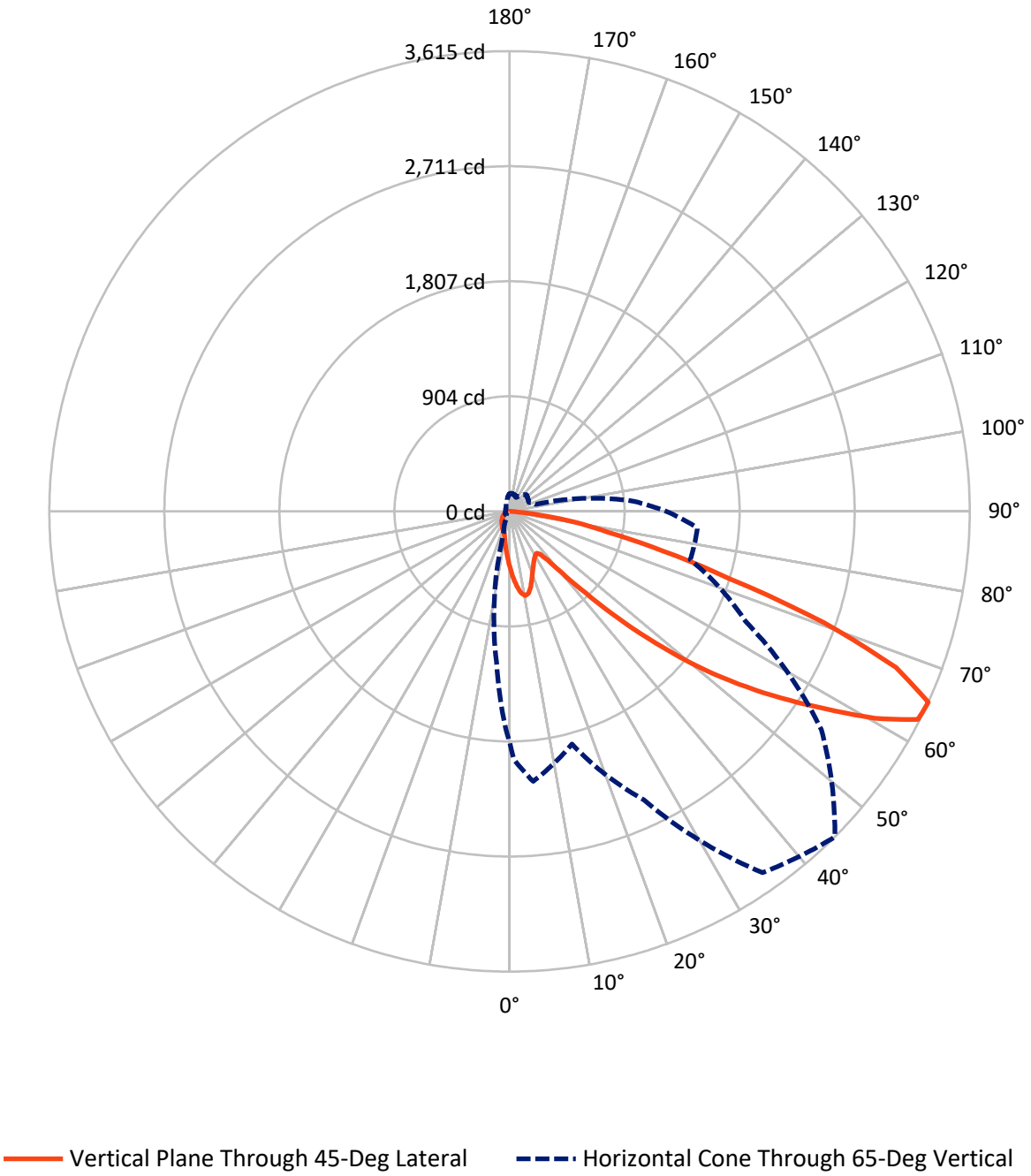
Based on 20 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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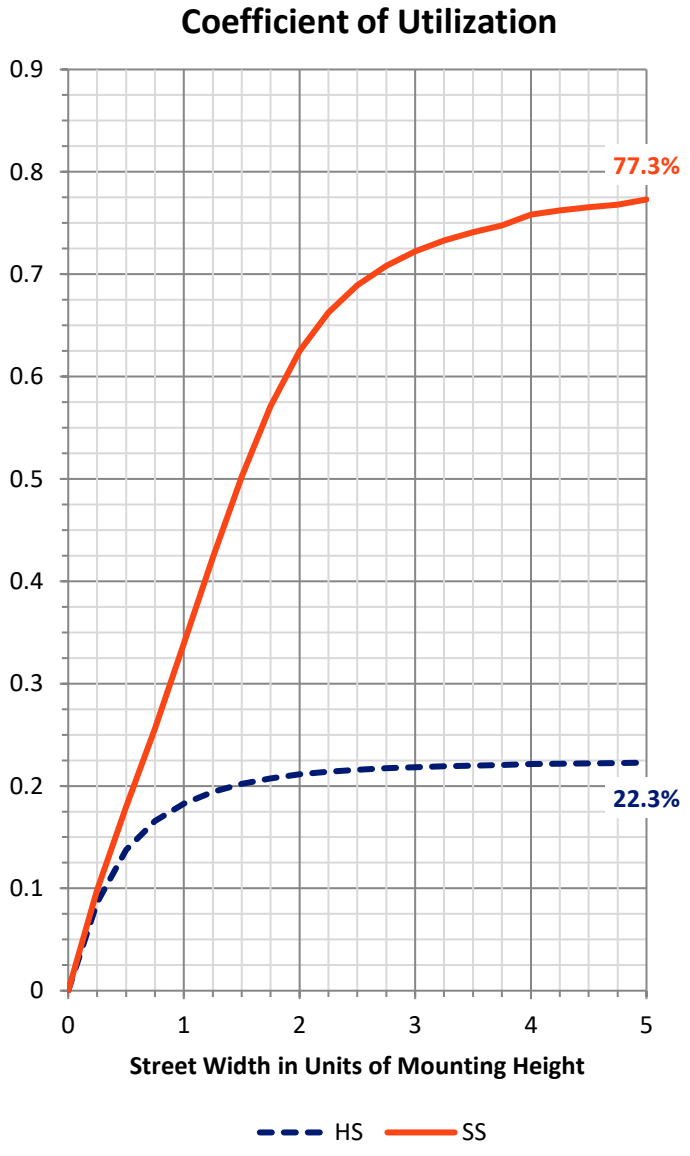
REPORT NUMBER: P1365295
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	572.5	0.0	572.5
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	1972.6	0.0	1972.6
	% Fixture	77.5	0.0	77.5
Total	Lumens	2545.1	0.0	2545.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.7
10°-20°	116.9	4.6
20°-30°	167.4	6.6
30°-40°	210.0	8.3
40°-50°	344.9	13.6
50°-60°	622.8	24.5
60°-70°	691.4	27.2
70°-80°	312.5	12.3
80°-90°	37.0	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°	2545.1	100.0
0°-180°	2545.1	100.0



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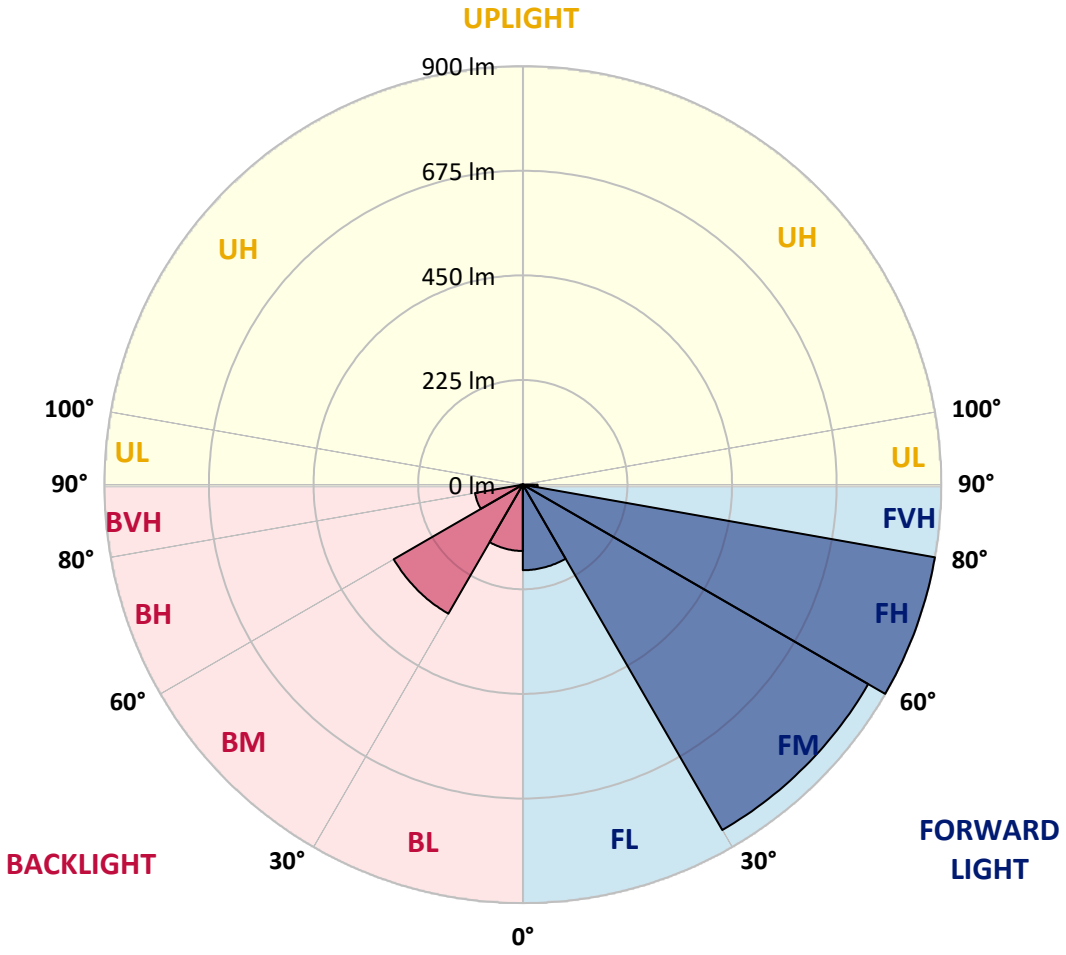
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	183.9	7.2			
FM	(30°-60°)	857.4	33.7			
FH	(60°-80°)	899.6	35.3			G1/1800
FVH	(80°-90°)	31.8	1.2			G1/100
BL	(0°-30°)	142.7	5.6	B1/500		
BM	(30°-60°)	320.3	12.6	B1/1000		
BH	(60°-80°)	104.3	4.1	B0/110		G0/110
BVH	(80°-90°)	5.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7
2.5°	484.2	490.5	489.7	498.3	506.1	511.6	516.2	514.7	510.8	503.0	497.5
5°	535.0	539.7	547.5	563.9	576.4	587.3	585.8	587.3	575.6	563.9	549.8
7.5°	578.7	584.2	595.1	618.6	634.2	647.5	645.9	641.2	627.9	608.4	587.3
10°	606.1	610.0	621.7	648.2	666.2	677.1	673.2	665.4	648.2	628.7	603.7
12.5°	617.8	622.5	632.6	653.7	665.4	663.1	661.5	659.9	651.4	636.5	613.9
15°	619.3	622.5	630.3	639.6	635.0	621.7	618.6	630.3	641.2	638.1	619.3
17.5°	619.3	624.0	625.6	616.2	592.0	567.8	564.7	584.2	614.7	638.9	627.9
20°	621.7	624.0	620.9	590.4	545.1	518.6	513.1	537.3	582.6	630.3	636.5
22.5°	624.8	627.1	613.9	560.0	506.9	478.8	475.6	493.6	546.7	617.8	645.9
25°	631.1	629.5	609.2	533.4	473.3	446.7	442.0	465.5	517.0	605.3	661.5
27.5°	638.9	631.8	602.9	511.6	449.1	421.0	417.8	440.5	492.0	589.7	674.8
30°	649.0	642.0	602.2	494.4	431.1	403.0	399.1	424.1	474.9	578.7	693.5
32.5°	663.1	652.9	602.9	481.1	421.0	394.4	392.1	418.6	467.8	572.5	713.1
35°	681.8	667.0	606.1	476.4	424.1	406.1	411.6	431.9	474.9	577.2	745.1
37.5°	705.2	691.2	621.7	486.6	458.4	470.9	485.0	492.8	508.4	599.0	796.6
40°	744.3	724.8	645.1	519.4	550.6	609.2	636.5	633.4	597.5	649.0	869.3
42.5°	799.0	781.0	692.8	602.9	704.5	828.6	874.7	848.2	739.6	728.7	988.8
45°	882.5	852.9	756.8	727.1	890.3	1094.2	1198.1	1106.7	920.0	854.4	1159.0
47.5°	989.5	959.9	856.8	851.3	1098.1	1422.2	1545.6	1366.0	1098.9	1019.2	1362.9
50°	1161.4	1128.6	1003.6	977.8	1327.7	1749.4	1914.2	1624.5	1280.8	1194.2	1614.3
52.5°	1397.2	1375.3	1236.3	1108.2	1533.1	2110.3	2252.4	1894.7	1421.4	1394.1	1888.5
55°	1726.0	1704.9	1539.4	1253.5	1727.6	2471.9	2586.7	2140.7	1544.0	1628.4	2175.1
57.5°	2098.6	2133.7	1954.1	1447.2	1932.2	2763.2	2923.3	2364.1	1709.6	1941.6	2493.7
60°	2341.5	2452.4	2429.7	1785.4	2250.1	3125.6	3299.7	2663.2	1951.7	2172.0	2486.7
62.5°	2130.6	2241.5	2414.9	2177.4	2556.2	3453.6	3600.4	2978.0	2192.3	1988.4	2088.4
65°	1808.0	1946.3	2129.0	1891.6	2502.3	3463.8	3614.5	2989.7	2045.4	1469.8	1480.8
67.5°	1558.1	1680.7	1905.6	1609.6	2218.1	3154.5	3273.2	2667.1	1690.9	974.7	966.1
70°	1300.4	1412.8	1697.1	1433.1	1943.1	2718.7	2616.4	2242.3	1429.2	647.5	536.5
72.5°	1108.2	1212.1	1508.1	1287.9	1541.7	2203.2	1803.3	1860.4	1162.9	411.6	365.5
75°	916.9	1012.2	1282.4	1166.0	1275.4	1374.6	1246.5	1321.5	958.3	349.1	281.9
77.5°	643.5	702.9	899.7	927.8	992.7	813.8	790.4	925.5	681.8	173.4	118.7
80°	317.1	353.8	469.4	552.2	469.4	461.6	526.4	616.2	353.8	106.2	65.6
82.5°	142.1	168.7	216.3	334.3	169.5	184.3	232.7	328.0	160.9	63.3	28.1
85°	22.6	25.0	42.2	56.2	46.1	71.1	67.9	64.0	34.4	17.2	7.8
87.5°	0.8	0.8	0.8	1.6	2.3	3.1	3.9	3.9	3.9	3.9	3.9
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°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7
2.5°	495.9	493.6	481.9	470.2	460.0	449.9	439.7	425.6	414.7	405.3	401.4
5°	542.8	530.3	512.3	492.8	475.6	456.1	437.4	416.3	399.1	381.1	371.8
7.5°	574.8	562.3	532.6	503.0	481.9	460.8	441.3	417.8	395.2	369.4	355.4
10°	589.7	575.6	543.6	509.2	483.4	462.4	444.4	424.9	402.2	370.2	351.5
12.5°	599.8	582.6	545.9	510.8	485.0	463.1	446.0	431.9	418.6	387.4	365.5
15°	606.1	590.4	552.2	511.6	482.7	456.9	440.5	435.8	438.1	423.3	396.8
17.5°	615.4	600.6	560.0	516.2	478.8	443.6	425.6	435.8	456.9	461.6	440.5
20°	627.9	612.3	570.1	520.1	467.0	418.6	401.4	427.2	462.4	486.6	474.9
22.5°	642.0	629.5	581.8	524.1	449.9	385.8	378.0	409.2	446.7	478.0	478.8
25°	659.2	647.5	598.2	528.0	426.4	357.7	359.3	385.8	415.5	447.5	453.0
27.5°	682.6	671.7	618.6	532.6	402.2	335.1	342.9	362.4	382.7	402.2	410.0
30°	708.4	699.8	642.8	542.0	379.6	321.8	326.5	339.7	356.1	367.9	371.8
32.5°	743.5	729.5	665.4	541.2	362.4	315.5	310.8	314.7	328.0	339.7	340.5
35°	787.3	776.3	688.8	527.2	346.8	312.4	296.0	293.7	301.5	313.2	312.4
37.5°	851.3	841.9	727.1	505.3	327.2	304.6	280.4	272.6	278.0	285.8	288.2
40°	947.4	923.1	770.9	481.1	307.7	290.5	261.6	250.7	254.6	263.2	264.8
42.5°	1077.8	1031.7	829.4	448.3	289.0	269.4	242.9	231.2	233.5	241.3	242.9
45°	1244.9	1175.4	909.9	413.9	274.1	247.6	223.4	210.9	213.2	221.8	225.7
47.5°	1440.2	1344.9	994.2	377.2	265.5	230.4	203.8	194.5	199.9	208.5	210.1
50°	1670.6	1574.5	1048.1	347.5	260.1	217.1	185.9	182.0	189.0	196.0	197.6
52.5°	1922.1	1785.4	1013.7	323.3	255.4	212.4	173.4	174.9	180.4	187.4	189.8
55°	2166.5	1862.7	899.7	292.1	249.9	215.6	164.0	167.9	174.9	180.4	182.0
57.5°	2325.8	1797.9	724.8	259.3	243.7	217.9	159.3	162.4	170.3	176.5	177.3
60°	2186.8	1655.7	542.8	231.2	230.4	214.0	157.8	153.1	164.0	169.5	170.3
62.5°	1791.6	1354.3	346.8	204.6	205.4	205.4	157.0	137.5	151.5	156.2	155.4
65°	*1230.9*	*957.5*	*214.8*	*167.1*	*174.9*	*186.7*	*152.3*	*121.1*	*137.5*	*142.1*	*140.6*
67.5°	809.1	608.4	132.8	128.9	143.7	161.7	142.9	108.6	123.4	126.5	121.8
70°	438.9	286.6	87.5	84.3	112.5	127.3	121.1	97.6	110.1	113.2	108.6
72.5°	289.8	164.8	61.7	61.7	88.3	89.0	99.2	87.5	97.6	100.7	96.1
75°	217.9	106.2	43.0	47.6	56.2	69.5	71.1	73.4	82.8	86.7	82.0
77.5°	100.0	39.1	25.8	35.1	39.1	53.1	45.3	54.7	61.7	63.3	59.4
80°	57.8	21.9	17.2	22.6	25.0	43.7	26.6	32.8	43.7	46.1	41.4
82.5°	24.2	10.9	11.7	14.1	14.8	24.2	18.7	21.1	28.9	28.1	25.0
85°	7.0	7.0	7.8	8.6	8.6	14.1	13.3	12.5	13.3	13.3	10.9
87.5°	4.7	4.7	4.7	5.5	5.5	6.2	7.0	7.8	7.8	7.8	7.0
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°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7
2.5°	396.0	388.9	378.8	377.2	371.8	367.9	371.8	375.7	382.7	383.5	386.6
5°	363.2	346.8	334.3	320.2	313.2	312.4	310.8	315.5	325.7	331.9	336.6
7.5°	341.3	311.6	289.8	270.2	263.2	257.7	262.4	261.6	274.9	280.4	285.1
10°	329.6	288.2	255.4	231.2	221.8	216.3	215.6	217.1	224.9	230.4	235.9
12.5°	337.4	278.8	230.4	202.3	192.1	185.9	180.4	180.4	182.0	189.0	191.3
15°	363.2	284.3	218.7	188.2	174.9	164.8	157.8	152.3	153.1	153.9	156.2
17.5°	400.7	298.3	214.8	179.6	165.6	153.1	146.0	139.8	138.2	138.2	137.5
20°	436.6	309.3	211.7	172.6	154.6	143.7	137.5	132.0	129.6	129.6	129.6
22.5°	451.4	318.6	207.7	164.0	143.7	133.6	128.1	124.2	123.4	123.4	122.6
25°	439.7	315.5	203.1	155.4	133.6	125.7	121.1	117.2	116.4	117.2	116.4
27.5°	403.0	304.6	196.8	148.4	125.7	118.7	114.8	110.9	110.1	110.9	110.9
30°	363.9	285.8	186.7	142.9	119.5	111.7	107.8	103.9	103.9	104.7	105.4
32.5°	332.7	267.1	174.9	135.9	112.5	105.4	101.5	97.6	97.6	99.2	99.2
35°	306.2	252.3	163.2	128.9	106.2	98.4	95.3	92.2	91.4	92.9	93.7
37.5°	285.1	239.0	150.7	121.8	100.0	92.9	89.8	85.9	85.1	86.7	88.3
40°	263.2	224.1	139.8	113.2	93.7	86.7	83.6	78.9	78.9	80.4	82.0
42.5°	242.1	210.9	132.8	105.4	87.5	79.7	76.5	72.6	72.6	74.2	75.8
45°	224.9	198.4	128.9	97.6	80.4	73.4	69.5	66.4	67.2	68.7	70.3
47.5°	208.5	185.1	129.6	93.7	75.8	66.4	62.5	60.1	61.7	64.0	65.6
50°	196.0	175.7	130.4	87.5	69.5	60.9	57.0	55.5	57.8	60.1	61.7
52.5°	188.2	166.4	125.7	79.7	64.8	55.5	53.1	53.1	55.5	57.0	58.6
55°	180.4	150.7	115.6	71.1	60.1	51.5	50.0	50.0	52.3	53.9	54.7
57.5°	174.2	134.3	103.9	64.0	54.7	47.6	47.6	47.6	48.4	49.2	50.8
60°	162.4	117.2	89.0	58.6	49.2	44.5	43.7	43.7	43.0	43.7	46.1
62.5°	142.1	98.4	75.8	52.3	44.5	40.6	39.8	37.5	35.1	35.9	37.5
65°	*120.3*	*78.1*	*63.3*	*45.3*	*38.3*	*35.9*	*35.1*	*31.2*	*28.1*	*28.9*	*31.2*
67.5°	96.1	58.6	53.1	39.1	32.8	30.5	30.5	28.1	25.8	25.8	27.3
70°	75.0	49.2	39.8	31.2	25.8	25.8	27.3	25.0	21.9	21.9	24.2
72.5°	60.9	39.8	32.0	24.2	20.3	21.9	22.6	20.3	18.0	18.0	19.5
75°	47.6	31.2	25.0	18.0	15.6	16.4	18.0	16.4	14.1	14.8	15.6
77.5°	32.8	21.1	16.4	13.3	11.7	12.5	12.5	11.7	10.9	10.9	11.7
80°	21.9	14.1	10.9	9.4	8.6	8.6	7.8	7.8	8.6	8.6	9.4
82.5°	15.6	10.2	8.6	7.0	5.5	5.5	6.2	6.2	7.0	7.0	7.8
85°	9.4	7.0	6.2	4.7	3.9	4.7	4.7	5.5	6.2	6.2	7.0
87.5°	7.0	5.5	4.7	3.9	3.1	3.1	3.9	3.9	4.7	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1365295
CATALOG NUMBER: GSS-SB1A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7	439.7
2.5°	394.4	403.8	417.1	428.8	442.8	456.9	470.2	482.7	483.4	484.2
5°	351.5	370.2	392.1	418.6	446.7	474.1	503.0	526.4	531.9	535.0
7.5°	303.8	331.1	364.7	402.2	444.4	486.6	527.2	562.3	575.6	578.7
10°	253.8	287.4	328.0	376.4	433.5	489.7	544.4	587.3	602.9	606.1
12.5°	209.3	236.6	283.5	342.1	410.8	485.0	550.6	598.2	613.9	617.8
15°	171.0	196.8	240.5	302.2	379.6	468.6	545.9	600.6	616.2	619.3
17.5°	141.4	157.8	197.6	264.8	351.5	447.5	539.7	602.2	617.0	619.3
20°	129.6	132.8	153.9	219.5	321.8	431.9	535.8	604.5	619.3	621.7
22.5°	124.2	124.2	128.9	167.1	280.4	415.5	534.2	611.5	622.5	624.8
25°	118.7	118.7	120.3	131.2	231.2	395.2	537.3	624.0	631.1	631.1
27.5°	113.2	113.2	114.8	117.2	171.8	361.6	538.1	638.1	641.2	638.9
30°	107.8	109.3	109.3	110.9	126.5	319.4	533.4	653.7	653.7	649.0
32.5°	102.3	103.1	104.7	105.4	110.1	264.8	525.6	673.2	669.3	663.1
35°	97.6	98.4	98.4	100.0	104.7	211.7	517.0	699.8	688.8	681.8
37.5°	91.4	92.2	92.9	94.5	99.2	167.9	504.5	722.4	714.6	705.2
40°	85.9	86.7	87.5	89.0	93.7	144.5	488.9	756.8	755.2	744.3
42.5°	79.7	81.2	82.0	82.8	89.0	132.0	478.0	812.2	812.2	799.0
45°	74.2	75.8	75.8	77.3	85.9	121.1	502.2	888.8	895.0	882.5
47.5°	69.5	70.3	70.3	71.1	81.2	111.7	567.0	1005.9	998.1	989.5
50°	64.8	66.4	64.8	65.6	77.3	117.2	674.0	1155.9	1176.2	1161.4
52.5°	61.7	62.5	59.4	59.4	71.9	124.2	761.5	1347.2	1415.2	1397.2
55°	57.8	58.6	54.7	54.7	63.3	107.8	766.9	1565.1	1714.3	1726.0
57.5°	53.9	53.9	50.8	50.0	54.7	87.5	680.3	1733.8	2072.0	2098.6
60°	49.2	48.4	46.9	45.3	50.0	80.4	518.6	1711.2	2249.3	2341.5
62.5°	42.2	43.7	43.0	39.8	45.3	75.0	338.2	1480.8	2049.4	2130.6
65°	*35.1*	*37.5*	*37.5*	*35.1*	*50.0*	*65.6*	*178.1*	*1185.6*	*1710.4*	*1808.0*
67.5°	31.2	32.8	32.0	30.5	44.5	41.4	85.9	909.1	1464.4	1558.1
70°	27.3	28.9	26.6	25.0	35.9	29.7	50.8	608.4	1209.0	1300.4
72.5°	22.6	24.2	21.9	19.5	26.6	22.6	33.6	396.0	1006.7	1108.2
75°	18.7	19.5	18.0	15.6	19.5	18.0	23.4	258.5	841.9	916.9
77.5°	13.3	14.8	14.1	11.7	14.1	12.5	16.4	147.6	587.3	643.5
80°	10.2	10.2	10.2	9.4	8.6	8.6	10.9	66.4	285.1	317.1
82.5°	8.6	8.6	7.8	7.0	6.2	5.5	6.2	19.5	134.3	142.1
85°	7.8	6.2	5.5	4.7	3.9	2.3	2.3	5.5	27.3	22.6
87.5°	4.7	3.9	3.1	1.6	0.8	0.8	0.0	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

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

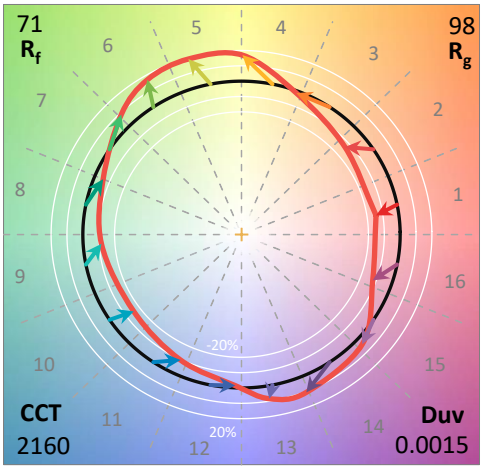
Test Information

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

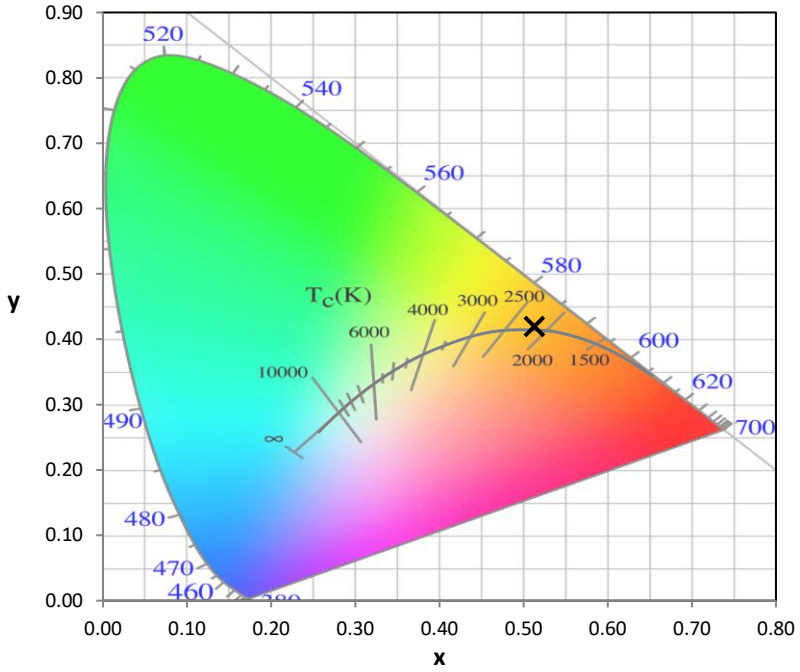
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

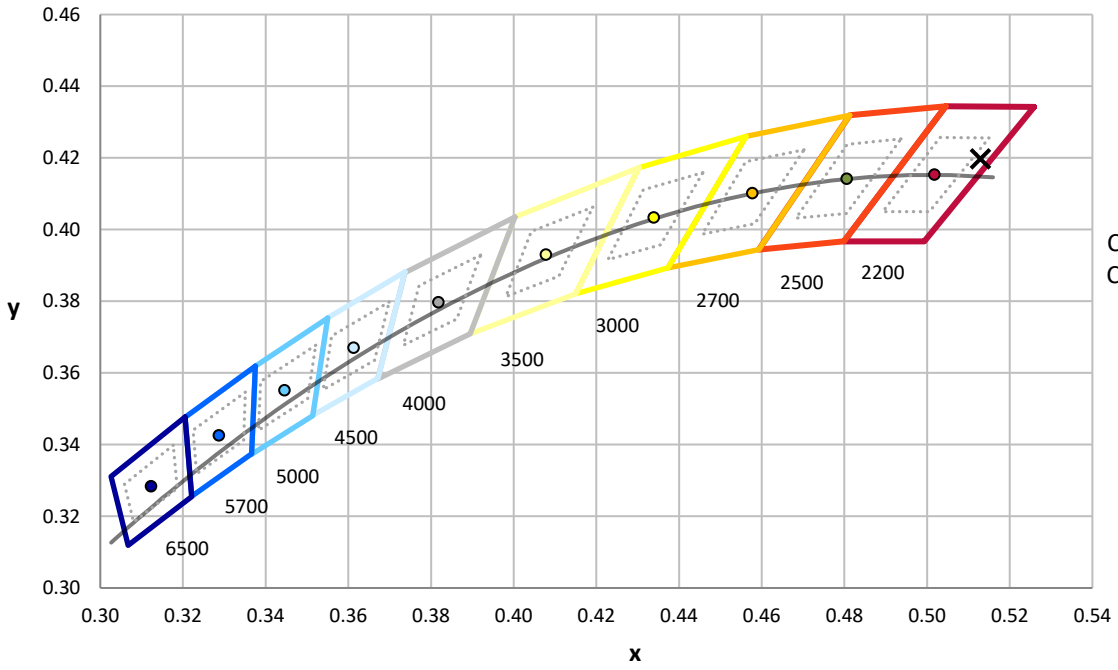
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

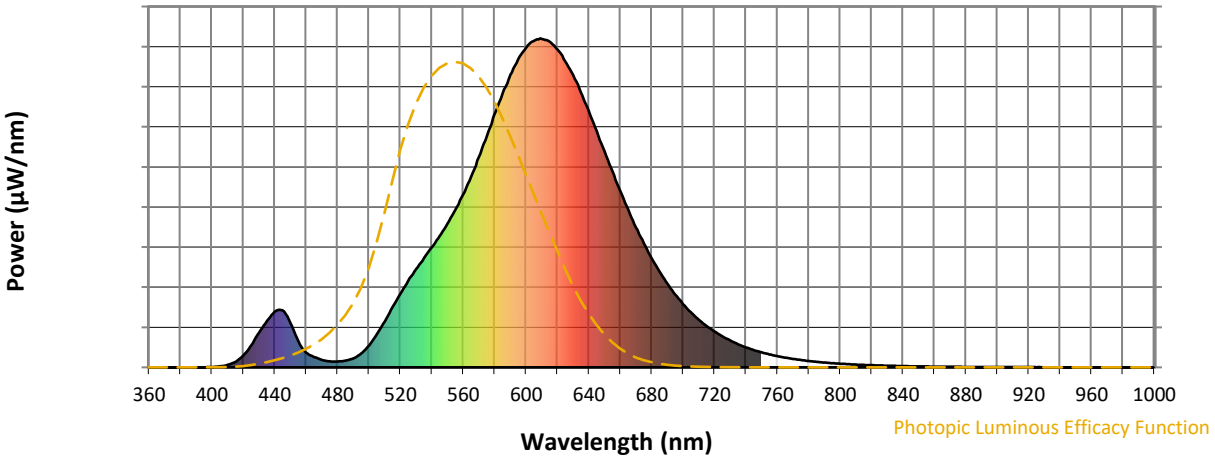


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

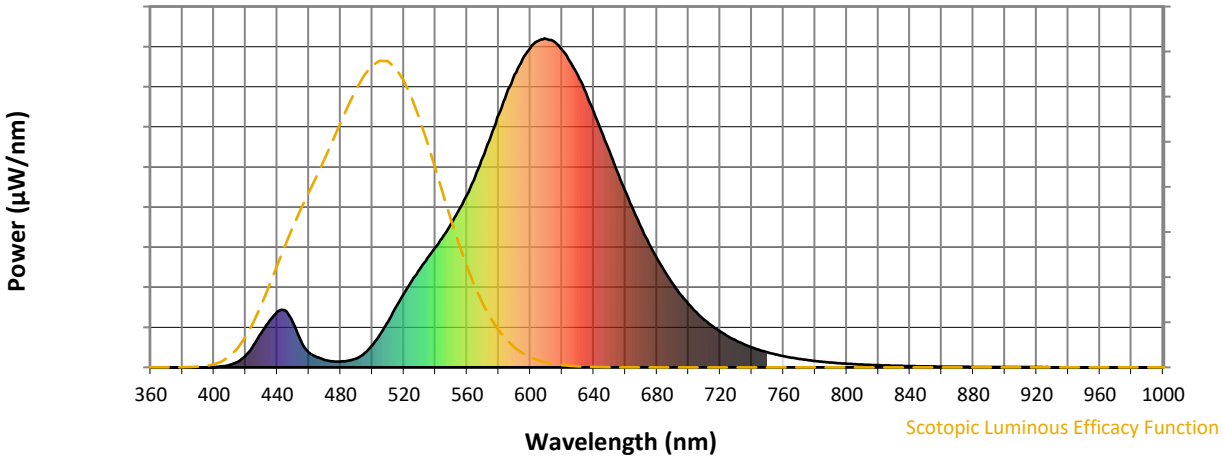


Photopic Lumens: NR

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

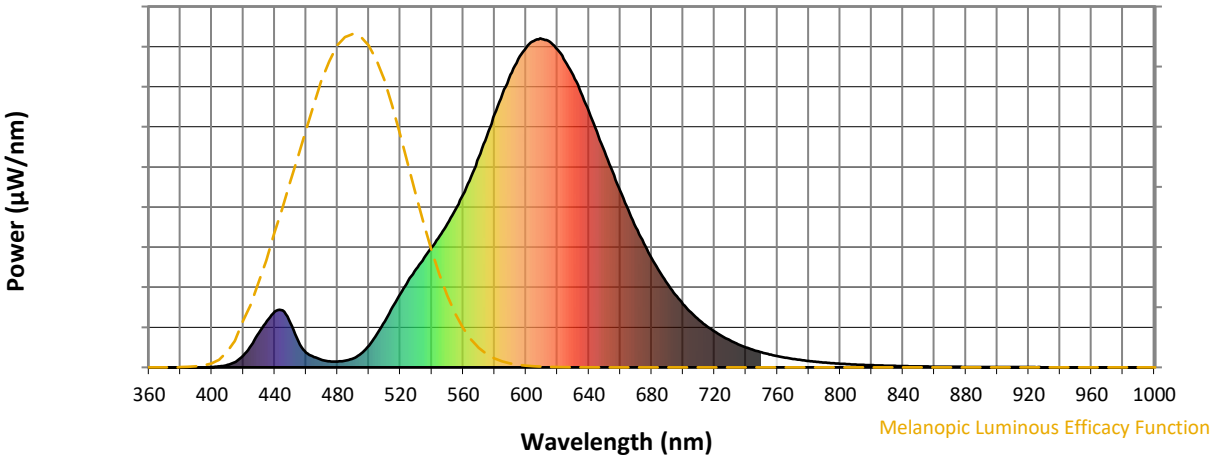


Scotopic Lumens: NR **S/P: 0.8**

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			

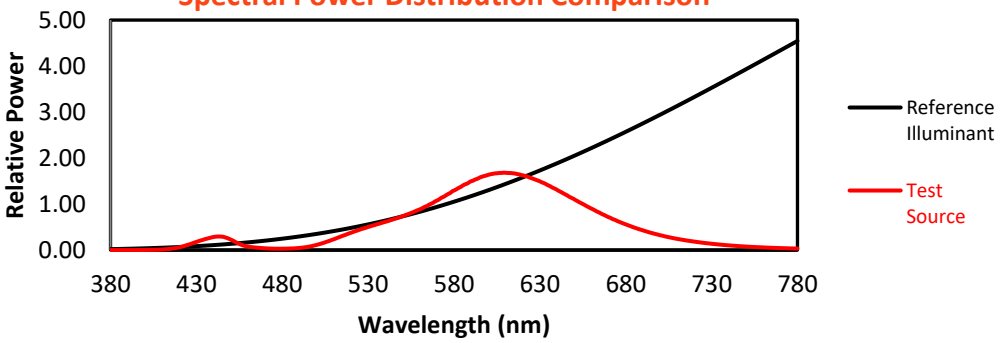
REPORT NUMBER: SP1-2407-184-2

TM-30-18

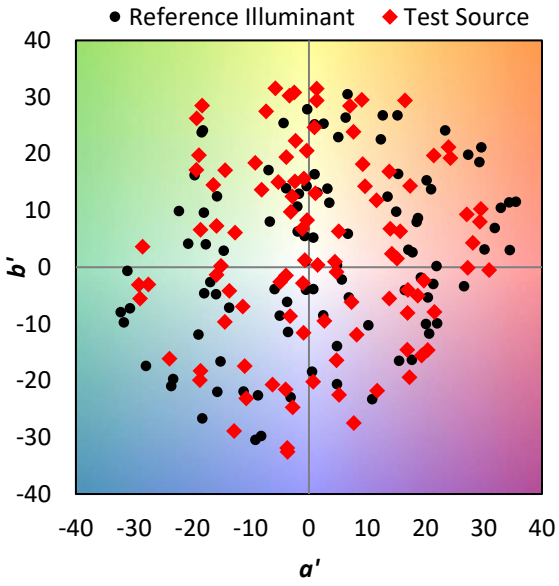
Summary

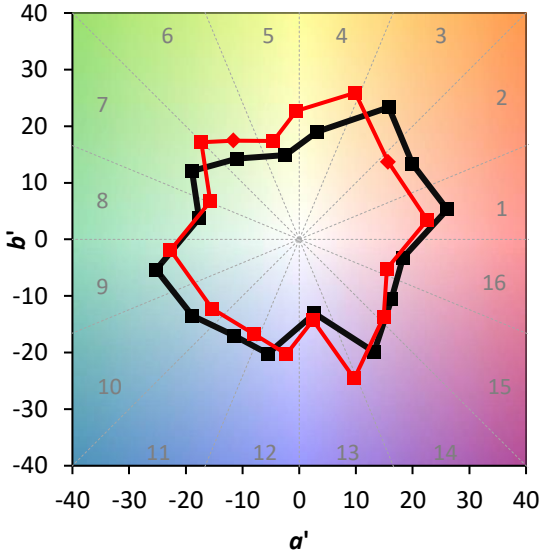
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

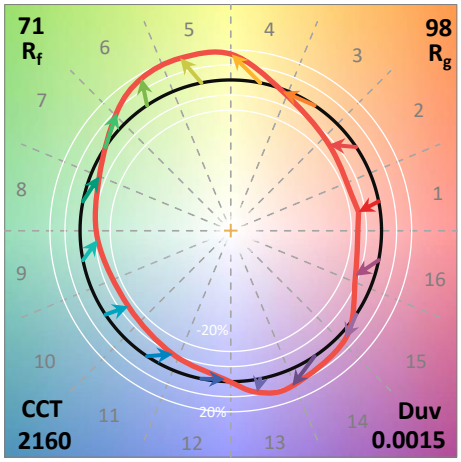
Spectral Power Distribution Comparison

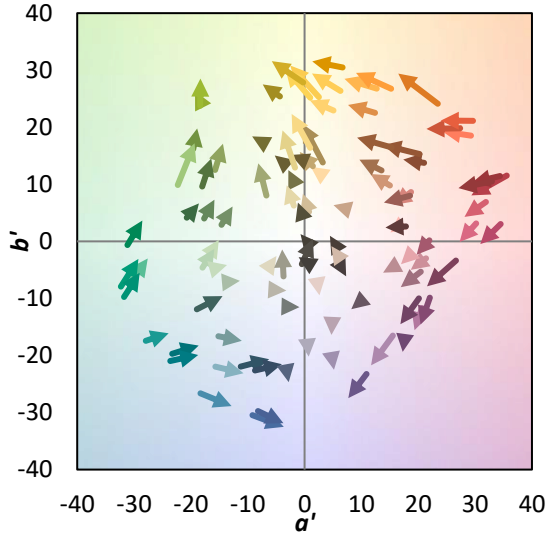


Color Vector Graphics







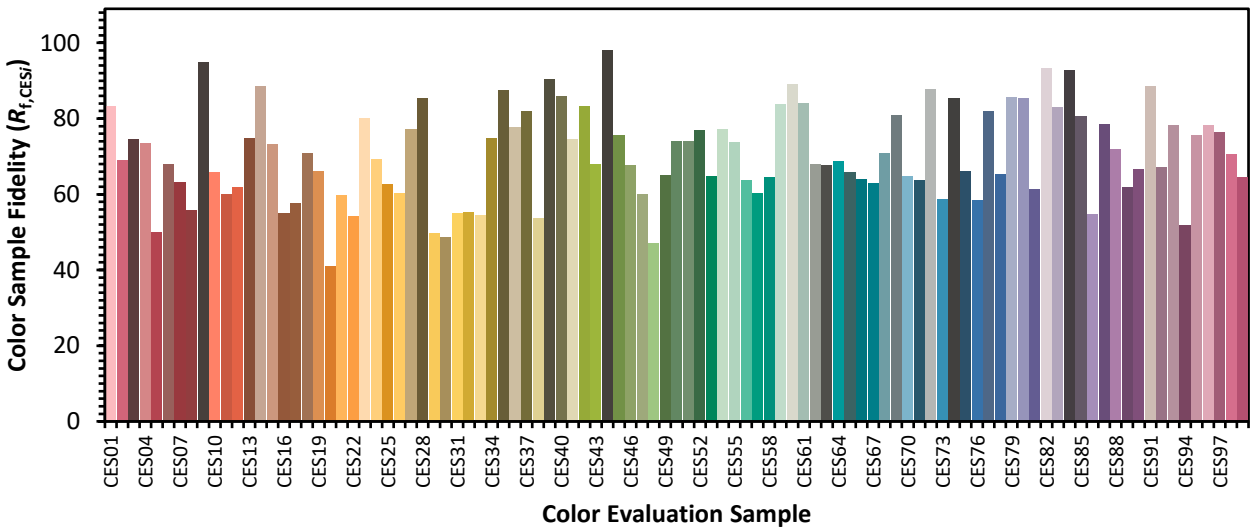


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

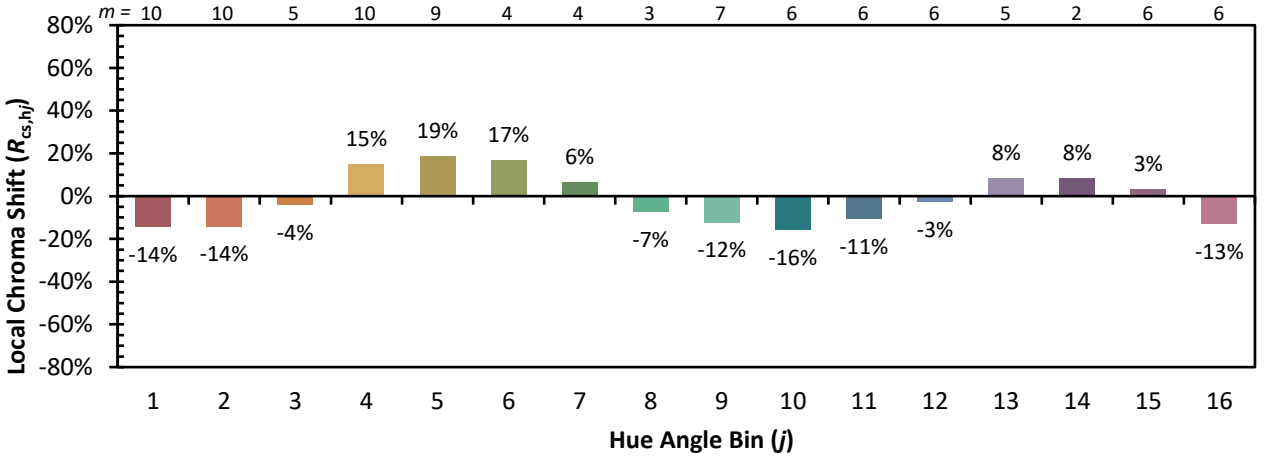
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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

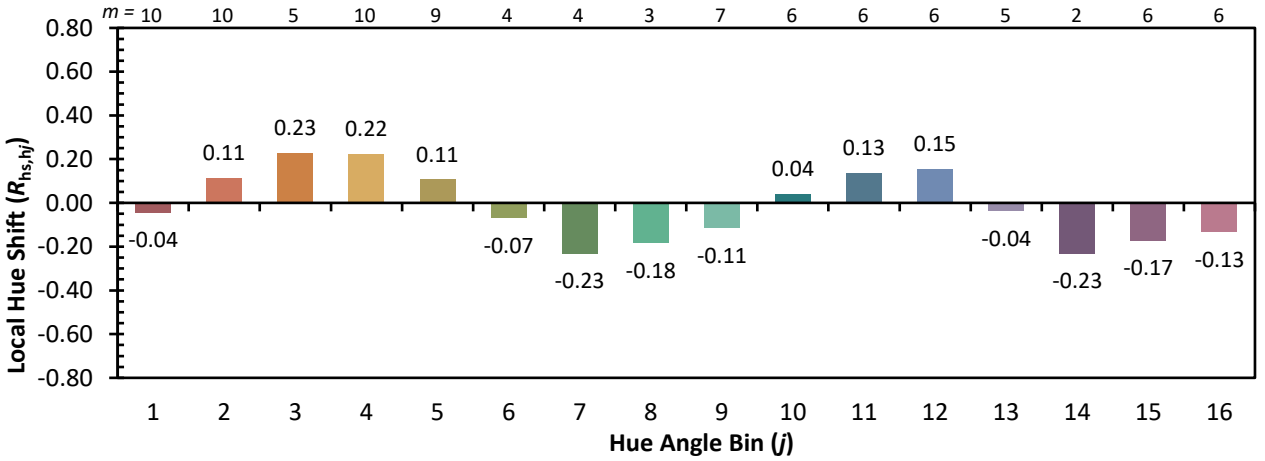


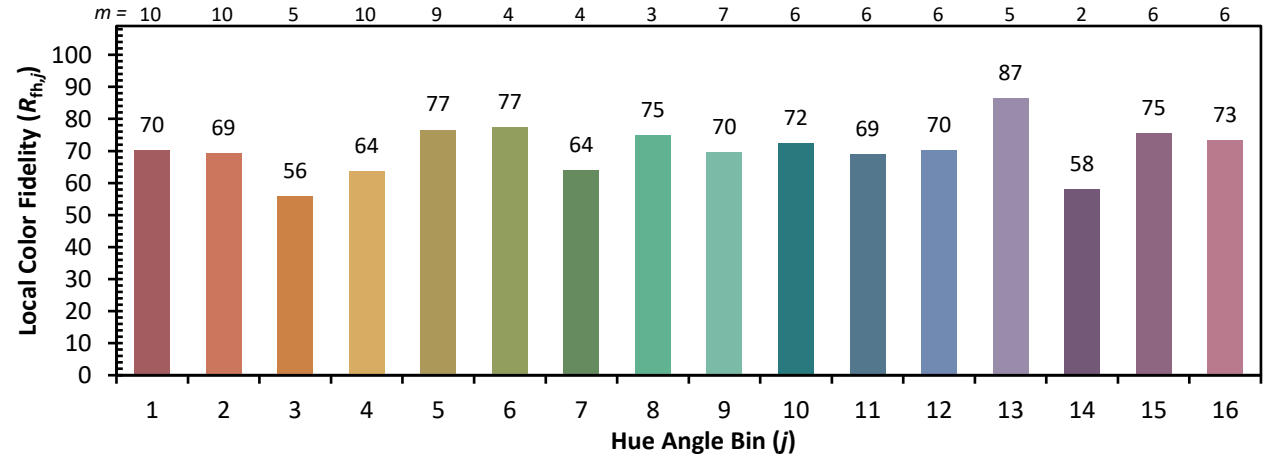
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



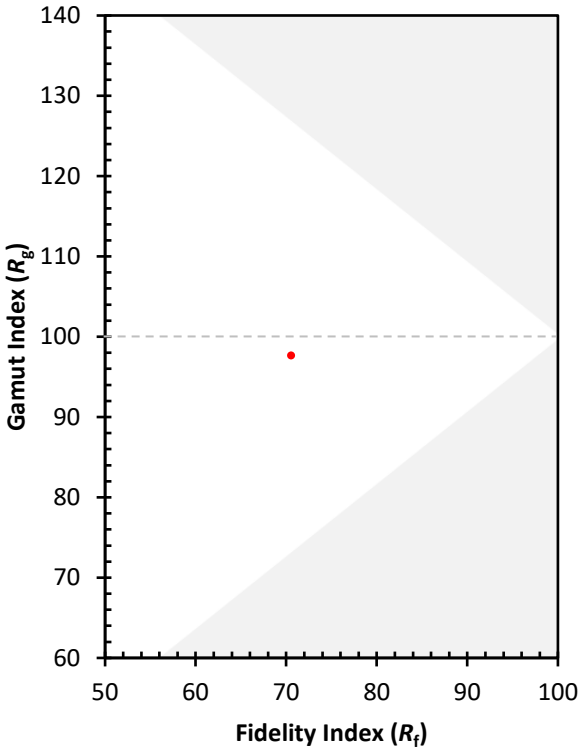


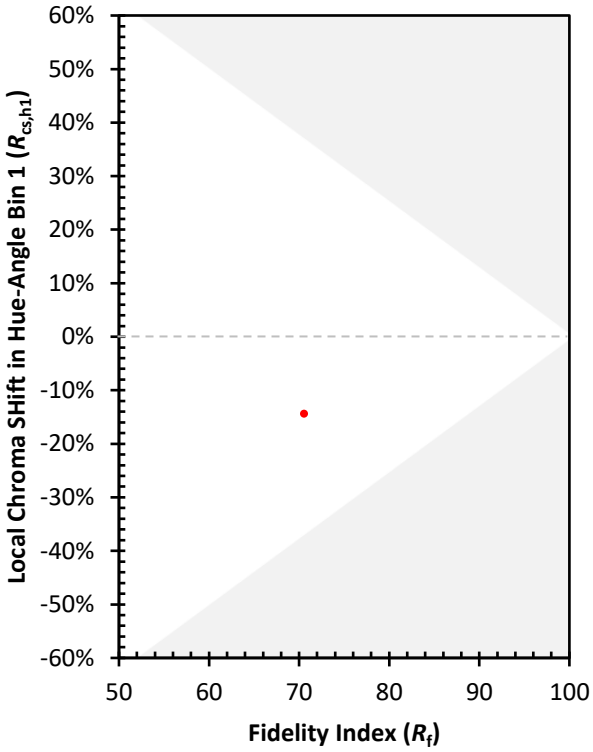


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)