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: P1364528

Luminaire Tested: **GSS-SB1B-722-U-SLR-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1364528
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-722-U-SLR-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 70CRI 2200K FIXTURE w/ 90° Spill Light Eliminator RIGHT 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:	3204.1 lumens
Efficiency:	N/A
Efficacy:	80.1 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

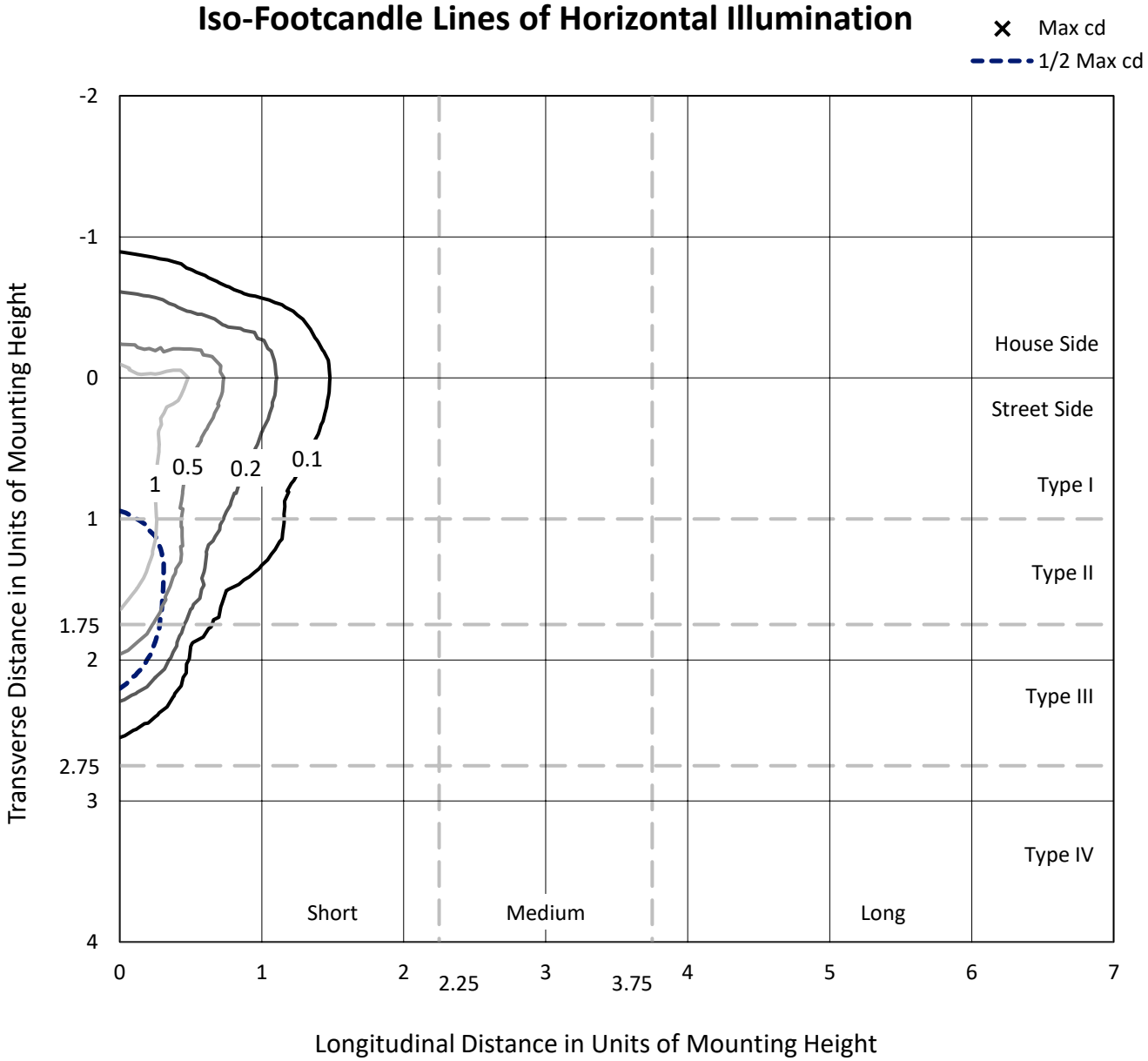
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



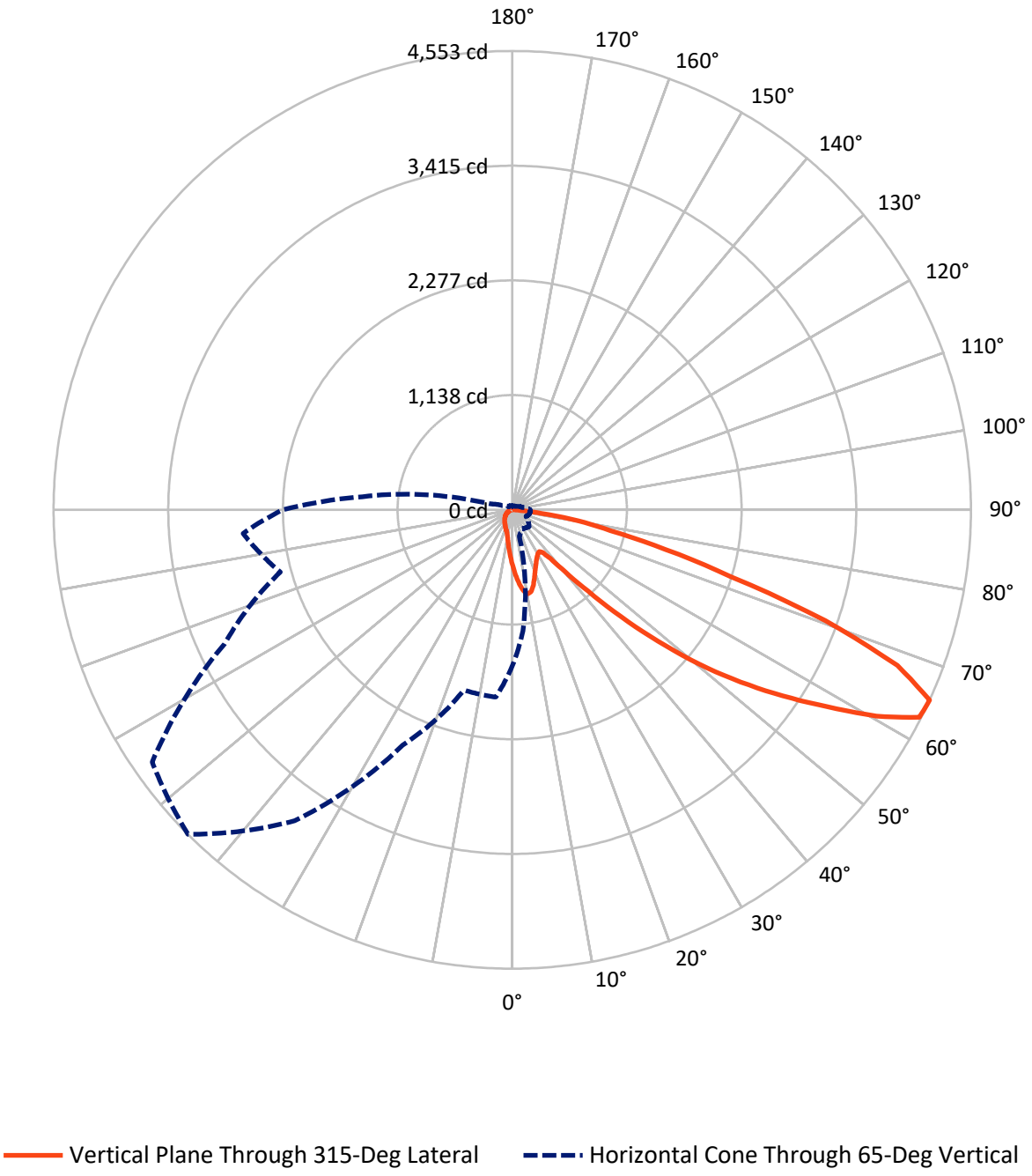
Based on 20 foot mounting height. Maximum calculated value = 1.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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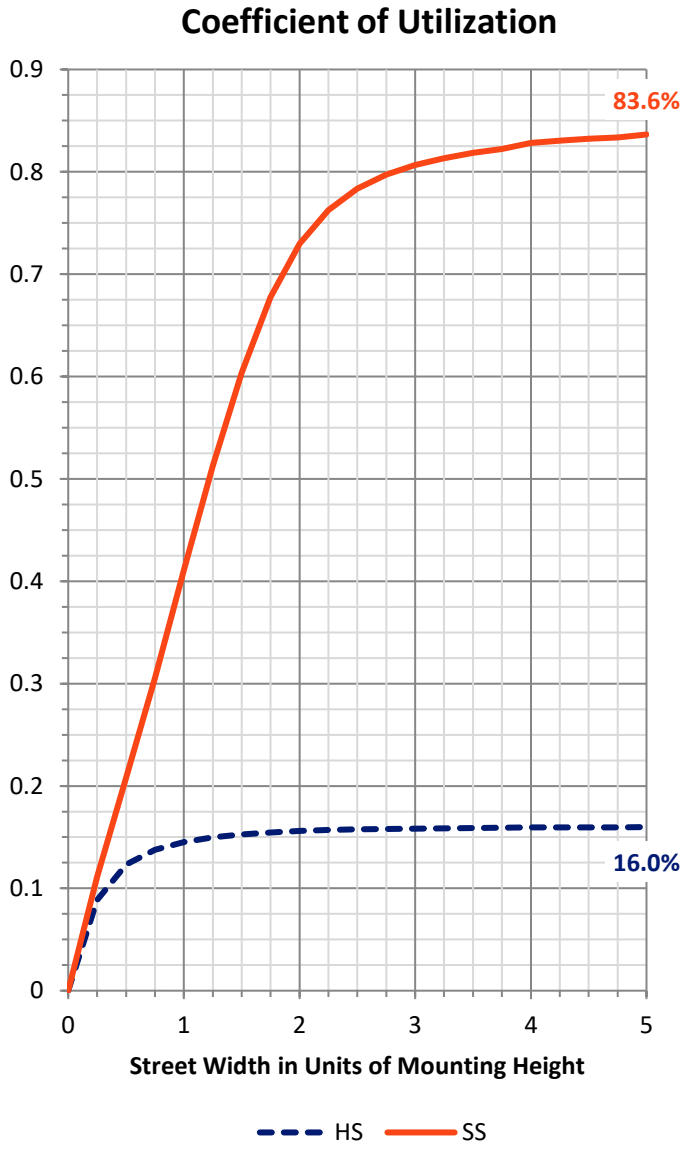
REPORT NUMBER: P1364528
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	518.0	0.0	518.0
	% Fixture	16.2	0.0	16.2
Street Side	Lumens	2686.2	0.0	2686.2
	% Fixture	83.8	0.0	83.8
Total	Lumens	3204.1	0.0	3204.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.7
10°-20°	147.2	4.6
20°-30°	210.9	6.6
30°-40°	264.5	8.3
40°-50°	434.5	13.6
50°-60°	784.1	24.5
60°-70°	870.1	27.2
70°-80°	393.1	12.3
80°-90°	46.5	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°	3204.1	100.0
0°-180°	3204.1	100.0



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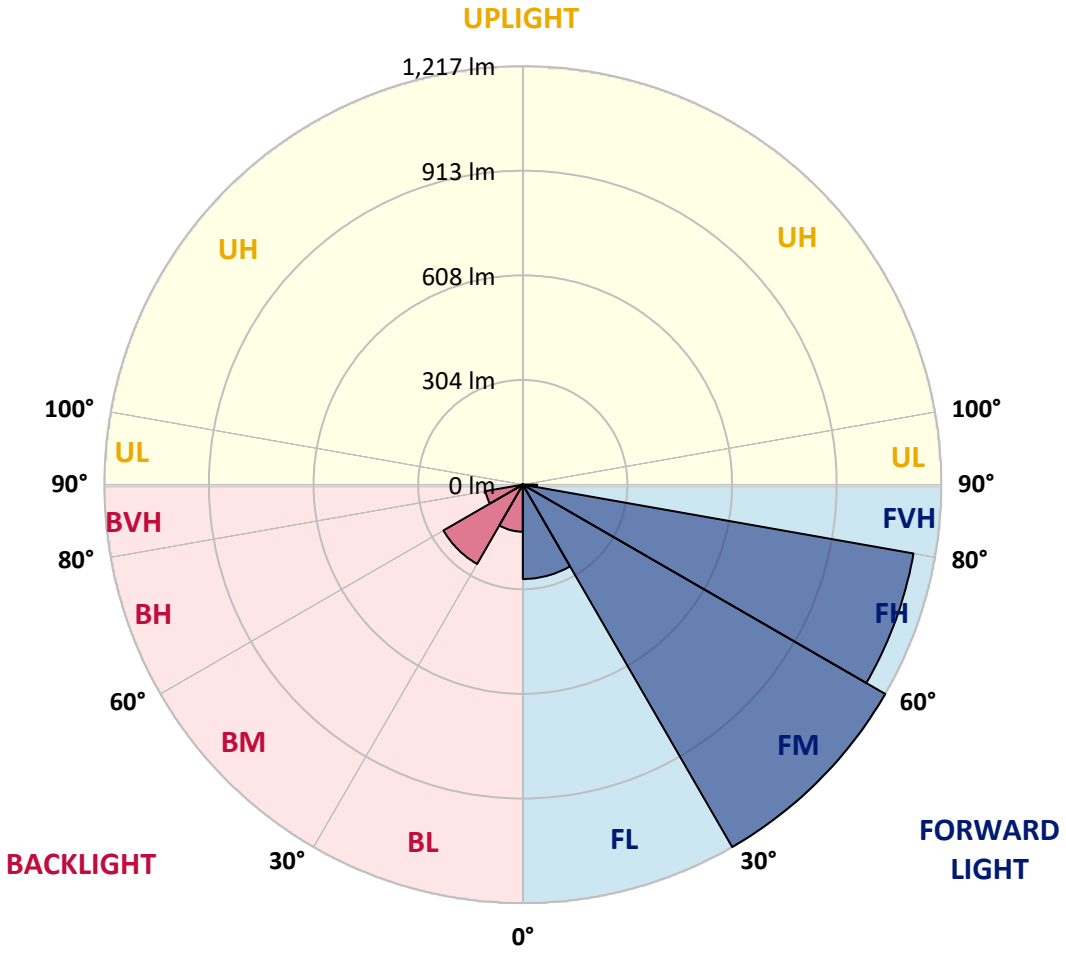
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	274.5	8.6			
FM	(30°-60°)	1216.7	38.0			
FH	(60°-80°)	1153.3	36.0			G1/1800
FVH	(80°-90°)	41.7	1.3			G1/100
BL	(0°-30°)	136.9	4.3	B1/500		
BM	(30°-60°)	266.3	8.3	B1/1000		
BH	(60°-80°)	110.0	3.4	B1/500		G1/500
BVH	(80°-90°)	4.8	0.1			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°	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9
2.5°	624.8	624.2	621.8	607.1	592.3	579.5	566.7	553.9	536.2	522.4	510.6
5°	683.8	680.7	668.1	645.4	620.8	599.2	574.6	551.0	524.4	502.8	480.1
7.5°	724.1	721.0	708.4	671.0	633.6	607.1	580.5	555.9	526.4	497.8	465.4
10°	742.8	739.3	725.1	684.8	641.5	609.0	582.5	559.8	535.2	506.7	466.4
12.5°	755.6	751.3	734.0	687.7	643.5	611.0	583.4	561.8	544.1	527.4	488.0
15°	763.5	759.6	743.8	695.6	644.4	608.0	575.6	554.9	549.0	552.0	533.3
17.5°	775.3	771.6	756.6	705.4	650.3	603.1	558.8	536.2	549.0	575.6	581.5
20°	791.0	787.1	771.4	718.2	655.3	588.4	527.4	505.7	538.2	582.5	613.0
22.5°	808.8	805.6	793.0	733.0	660.2	566.7	486.0	476.2	515.6	562.8	602.1
25°	830.4	827.4	815.6	753.7	665.1	537.2	450.6	452.6	486.0	523.4	563.8
27.5°	859.9	857.2	846.1	779.2	671.0	506.7	422.1	431.9	456.5	482.1	506.7
30°	892.4	890.2	881.6	809.7	682.8	478.2	405.4	411.3	428.0	448.7	463.4
32.5°	936.7	933.1	918.9	838.3	681.8	456.5	397.5	391.6	396.5	413.2	428.0
35°	991.8	989.0	978.0	867.8	664.1	436.8	393.6	372.9	369.9	379.8	394.5
37.5°	1072.4	1070.1	1060.6	916.0	636.6	412.2	383.7	353.2	343.4	350.3	360.1
40°	1193.5	1187.4	1163.0	971.1	606.1	387.7	366.0	329.6	315.8	320.7	331.6
42.5°	1357.8	1346.2	1299.7	1044.9	564.8	364.0	339.4	306.0	291.2	294.2	304.0
45°	1568.3	1550.8	1480.7	1146.2	521.5	345.3	311.9	281.4	265.6	268.6	279.4
47.5°	1814.3	1790.3	1694.3	1252.5	475.2	334.5	290.2	256.8	245.0	251.9	262.7
50°	2104.5	2080.3	1983.5	1320.4	437.8	327.6	273.5	234.2	229.2	238.1	247.0
52.5°	2421.3	2386.9	2249.2	1277.1	407.3	321.7	267.6	218.4	220.4	227.3	236.1
55°	2729.3	2652.8	2346.6	1133.4	368.0	314.8	271.6	206.6	211.5	220.4	227.3
57.5°	2930.0	2797.0	2264.9	913.0	326.7	307.0	274.5	200.7	204.6	214.5	222.4
60°	2754.9	2621.1	2085.8	683.8	291.2	290.2	269.6	198.7	192.8	206.6	213.5
62.5°	2257.0	2146.8	1706.1	436.8	257.8	258.8	258.8	197.8	173.2	190.9	196.8
65°	*1550.6*	*1481.7*	*1206.2*	*270.6*	*210.6*	*220.4*	*235.1*	*191.9*	*152.5*	*173.2*	*179.1*
67.5°	1019.3	968.7	766.4	167.3	162.3	181.0	203.7	180.1	136.8	155.5	159.4
70°	552.9	514.6	361.1	110.2	106.3	141.7	160.4	152.5	123.0	138.7	142.7
72.5°	365.0	333.5	207.6	77.7	77.7	111.2	112.2	125.0	110.2	123.0	126.9
75°	274.5	246.4	133.8	54.1	60.0	70.8	87.6	89.5	92.5	104.3	109.2
77.5°	125.9	110.6	49.2	32.5	44.3	49.2	66.9	57.1	68.9	77.7	79.7
80°	72.8	63.8	27.5	21.6	28.5	31.5	55.1	33.5	41.3	55.1	58.0
82.5°	30.5	27.2	13.8	14.8	17.7	18.7	30.5	23.6	26.6	36.4	35.4
85°	8.9	8.9	8.9	9.8	10.8	10.8	17.7	16.7	15.7	16.7	16.7
87.5°	5.9	5.9	5.9	5.9	6.9	6.9	7.9	8.9	9.8	9.8	9.8
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°	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9
2.5°	505.7	498.8	490.0	477.2	475.2	468.3	463.4	468.3	473.2	482.1	483.1
5°	468.3	457.5	436.8	421.1	403.4	394.5	393.6	391.6	397.5	410.3	418.2
7.5°	447.7	430.0	392.6	365.0	340.4	331.6	324.7	330.6	329.6	346.3	353.2
10°	442.7	415.2	363.1	321.7	291.2	279.4	272.5	271.6	273.5	283.4	290.2
12.5°	460.5	425.0	351.2	290.2	254.8	242.0	234.2	227.3	227.3	229.2	238.1
15°	499.8	457.5	358.1	275.5	237.1	220.4	207.6	198.7	191.9	192.8	193.8
17.5°	554.9	504.7	375.8	270.6	226.3	208.6	192.8	184.0	176.1	174.1	174.1
20°	598.2	550.0	389.6	266.6	217.4	194.8	181.0	173.2	166.3	163.3	163.3
22.5°	603.1	568.7	401.4	261.7	206.6	181.0	168.2	161.4	156.4	155.5	155.5
25°	570.7	553.9	397.5	255.8	195.8	168.2	158.4	152.5	147.6	146.6	147.6
27.5°	516.5	507.7	383.7	247.9	186.9	158.4	149.6	144.6	139.7	138.7	139.7
30°	468.3	458.5	360.1	235.1	180.1	150.5	140.7	135.8	130.9	130.9	131.8
32.5°	429.0	419.1	336.5	220.4	171.2	141.7	132.8	127.9	123.0	123.0	125.0
35°	393.6	385.7	317.8	205.6	162.3	133.8	124.0	120.0	116.1	115.1	117.1
37.5°	363.1	359.1	301.1	189.9	153.5	125.9	117.1	113.1	108.2	107.2	109.2
40°	333.5	331.6	282.4	176.1	142.7	118.1	109.2	105.3	99.4	99.4	101.3
42.5°	306.0	305.0	265.6	167.3	132.8	110.2	100.4	96.4	91.5	91.5	93.5
45°	284.3	283.4	249.9	162.3	123.0	101.3	92.5	87.6	83.6	84.6	86.6
47.5°	264.7	262.7	233.2	163.3	118.1	95.4	83.6	78.7	75.8	77.7	80.7
50°	248.9	247.0	221.4	164.3	110.2	87.6	76.7	71.8	69.9	72.8	75.8
52.5°	239.1	237.1	209.6	158.4	100.4	81.7	69.9	66.9	66.9	69.9	71.8
55°	229.2	227.3	189.9	145.6	89.5	75.8	64.9	63.0	63.0	65.9	67.9
57.5°	223.3	219.4	169.2	130.9	80.7	68.9	60.0	60.0	60.0	61.0	62.0
60°	214.5	204.6	147.6	112.2	73.8	62.0	56.1	55.1	55.1	54.1	55.1
62.5°	195.8	179.1	124.0	95.4	65.9	56.1	51.2	50.2	47.2	44.3	45.3
65°	*177.1*	*151.5*	*98.4*	*79.7*	*57.1*	*48.2*	*45.3*	*44.3*	*39.4*	*35.4*	*36.4*
67.5°	153.5	121.0	73.8	66.9	49.2	41.3	38.4	38.4	35.4	32.5	32.5
70°	136.8	94.5	62.0	50.2	39.4	32.5	32.5	34.4	31.5	27.5	27.5
72.5°	121.0	76.7	50.2	40.3	30.5	25.6	27.5	28.5	25.6	22.6	22.6
75°	103.3	60.0	39.4	31.5	22.6	19.7	20.7	22.6	20.7	17.7	18.7
77.5°	74.8	41.3	26.6	20.7	16.7	14.8	15.7	15.7	14.8	13.8	13.8
80°	52.1	27.5	17.7	13.8	11.8	10.8	10.8	9.8	9.8	10.8	10.8
82.5°	31.5	19.7	12.8	10.8	8.9	6.9	6.9	7.9	7.9	8.9	8.9
85°	13.8	11.8	8.9	7.9	5.9	4.9	5.9	5.9	6.9	7.9	7.9
87.5°	8.9	8.9	6.9	5.9	4.9	3.9	3.9	4.9	4.9	5.9	6.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9	553.9
2.5°	487.0	496.9	508.7	525.4	540.2	557.9	575.6	592.3	608.0	610.0	616.9
5°	424.1	442.7	466.4	493.9	527.4	562.8	597.2	633.6	663.1	674.0	689.7
7.5°	359.1	382.7	417.2	459.5	506.7	559.8	613.0	664.1	708.4	729.1	749.7
10°	297.1	319.8	362.1	413.2	474.2	546.1	616.9	685.8	739.9	763.5	783.2
12.5°	241.1	263.7	298.1	357.2	430.9	517.5	611.0	693.6	753.7	778.3	796.9
15°	196.8	215.5	247.9	303.0	380.8	478.2	590.3	687.7	756.6	780.2	794.0
17.5°	173.2	178.1	198.7	248.9	333.5	442.7	563.8	679.9	758.6	780.2	788.1
20°	163.3	163.3	167.3	193.8	276.5	405.4	544.1	674.9	761.5	783.2	782.2
22.5°	154.5	156.4	156.4	162.3	210.6	353.2	523.4	673.0	770.4	787.1	773.3
25°	146.6	149.6	149.6	151.5	165.3	291.2	497.8	676.9	786.1	795.0	767.4
27.5°	139.7	142.7	142.7	144.6	147.6	216.5	455.5	677.9	803.8	804.8	759.6
30°	132.8	135.8	137.7	137.7	139.7	159.4	402.4	672.0	823.5	817.6	758.6
32.5°	125.0	128.9	129.9	131.8	132.8	138.7	333.5	662.2	848.1	835.3	759.6
35°	118.1	123.0	124.0	124.0	125.9	131.8	266.6	651.3	881.6	858.9	763.5
37.5°	111.2	115.1	116.1	117.1	119.1	125.0	211.5	635.6	910.1	888.4	783.2
40°	103.3	108.2	109.2	110.2	112.2	118.1	182.0	615.9	953.4	937.6	812.7
42.5°	95.4	100.4	102.3	103.3	104.3	112.2	166.3	602.1	1023.2	1006.5	872.7
45°	88.5	93.5	95.4	95.4	97.4	108.2	152.5	632.6	1119.7	1111.8	953.4
47.5°	82.6	87.6	88.5	88.5	89.5	102.3	140.7	714.3	1267.2	1246.6	1079.3
50°	77.7	81.7	83.6	81.7	82.6	97.4	147.6	849.1	1456.2	1463.0	1264.3
52.5°	73.8	77.7	78.7	74.8	74.8	90.5	156.4	959.3	1697.2	1760.2	1557.5
55°	68.9	72.8	73.8	68.9	68.9	79.7	135.8	966.2	1971.7	2174.4	1939.2
57.5°	64.0	67.9	67.9	64.0	63.0	68.9	110.2	857.0	2184.2	2643.7	2461.7
60°	58.0	62.0	61.0	59.0	57.1	63.0	101.3	653.3	2155.7	2949.7	3060.9
62.5°	47.2	53.1	55.1	54.1	50.2	57.1	94.5	426.0	1865.4	2684.0	3042.2
65°	*39.4*	*44.3*	*47.2*	*47.2*	*44.3*	*63.0*	*82.6*	*224.3*	*1493.5*	*2277.7*	*2682.1*
67.5°	34.4	39.4	41.3	40.3	38.4	56.1	52.1	108.2	1145.2	1962.9	2400.7
70°	30.5	34.4	36.4	33.5	31.5	45.3	37.4	64.0	766.4	1638.2	2138.0
72.5°	24.6	28.5	30.5	27.5	24.6	33.5	28.5	42.3	498.8	1396.1	1899.9
75°	19.7	23.6	24.6	22.6	19.7	24.6	22.6	29.5	325.7	1155.1	1615.5
77.5°	14.8	16.7	18.7	17.7	14.8	17.7	15.7	20.7	186.0	810.7	1133.4
80°	11.8	12.8	12.8	12.8	11.8	10.8	10.8	13.8	83.6	399.5	591.3
82.5°	9.8	10.8	10.8	9.8	8.9	7.9	6.9	7.9	24.6	179.1	272.5
85°	8.9	9.8	7.9	6.9	5.9	4.9	3.0	3.0	6.9	28.5	53.1
87.5°	6.9	5.9	4.9	3.9	2.0	1.0	1.0	0.0	1.0	1.0	1.0
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: P1364528
CATALOG NUMBER: GSS-SB1B-722-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	553.9	553.9	553.9	*553.9*	553.9	553.9	553.9	553.9	553.9	553.9
2.5°	627.7	637.6	644.4	*650.3*	648.4	643.5	633.6	626.7	625.2	624.8
5°	710.4	726.1	739.9	*737.9*	739.9	725.1	710.4	692.7	685.6	683.8
7.5°	779.2	798.9	815.6	*813.7*	807.8	791.0	766.4	739.9	727.3	724.1
10°	816.6	839.3	853.0	*848.1*	838.3	816.6	792.0	760.5	746.4	742.8
12.5°	823.5	838.3	835.3	*833.4*	831.4	820.6	801.9	773.3	759.2	755.6
15°	805.8	799.9	783.2	*779.2*	794.0	807.8	803.8	780.2	766.8	763.5
17.5°	776.3	745.8	715.3	*711.3*	735.9	774.3	804.8	791.0	778.5	775.3
20°	743.8	686.8	653.3	*646.4*	676.9	734.0	794.0	801.9	793.2	791.0
22.5°	705.4	638.5	603.1	*599.2*	621.8	688.7	778.3	813.7	809.7	808.8
25°	672.0	596.2	562.8	*556.9*	586.4	651.3	762.5	833.4	831.0	830.4
27.5°	644.4	565.7	530.3	*526.4*	554.9	619.8	742.8	850.1	857.9	859.9
30°	622.8	543.1	507.7	*502.8*	534.3	598.2	729.1	873.7	888.6	892.4
32.5°	606.1	530.3	496.9	*493.9*	527.4	589.3	721.2	898.3	929.0	936.7
35°	600.2	534.3	511.6	*518.5*	544.1	598.2	727.1	938.6	981.1	991.8
37.5°	613.0	577.5	593.3	*611.0*	620.8	640.5	754.6	1003.6	1058.7	1072.4
40°	654.3	693.6	767.4	*801.9*	797.9	752.7	817.6	1095.1	1173.8	1193.5
42.5°	759.6	887.5	1043.9	*1102.0*	1068.5	931.7	918.0	1245.6	1335.3	1357.8
45°	916.0	1121.6	1378.4	*1509.3*	1394.2	1159.0	1076.4	1460.1	1546.7	1568.3
47.5°	1072.4	1383.3	1791.7	*1947.1*	1720.8	1384.3	1284.0	1716.9	1794.8	1814.3
50°	1231.8	1672.6	2203.9	*2411.5*	2046.5	1613.6	1504.4	2033.7	2090.4	2104.5
52.5°	1396.1	1931.4	2658.5	*2837.5*	2386.9	1790.7	1756.2	2379.0	2412.9	2421.3
55°	1579.1	2176.4	3114.0	*3258.6*	2696.8	1945.1	2051.4	2740.1	2731.5	2729.3
57.5°	1823.1	2434.1	3481.0	*3682.7*	2978.2	2153.7	2445.9	3141.5	2972.3	2930.0
60°	2249.2	2834.6	3937.5	*4156.9*	3355.1	2458.7	2736.2	3132.7	2830.4	2754.9
62.5°	2743.1	3220.3	4350.7	*4535.7*	3751.6	2761.8	2505.0	2630.9	2331.8	2257.0
65°	*2383.0*	*3152.4*	*4363.5*	*4553.4*	*3766.3*	*2576.8*	*1851.7*	*1865.4*	*1613.6*	*1550.6*
67.5°	2027.8	2794.2	3973.9	*4123.5*	3360.0	2130.1	1227.9	1217.1	1058.9	1019.3
70°	1805.4	2447.9	3424.9	*3296.0*	2824.7	1800.5	815.6	675.9	577.5	552.9
72.5°	1622.4	1942.2	2775.5	*2271.8*	2343.6	1465.0	518.5	460.5	384.1	365.0
75°	1468.9	1606.7	1731.6	*1570.3*	1664.7	1207.2	439.8	355.2	290.6	274.5
77.5°	1168.9	1250.5	1025.2	*995.7*	1165.9	858.9	218.4	149.6	130.7	125.9
80°	695.6	591.3	581.5	*663.1*	776.3	445.7	133.8	82.6	74.8	72.8
82.5°	421.1	213.5	232.2	*293.2*	413.2	202.7	79.7	35.4	31.5	30.5
85°	70.8	58.0	89.5	*85.6*	80.7	43.3	21.6	9.8	9.1	8.9
87.5°	2.0	3.0	3.9	*4.9*	4.9	4.9	4.9	4.9	5.7	5.9
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

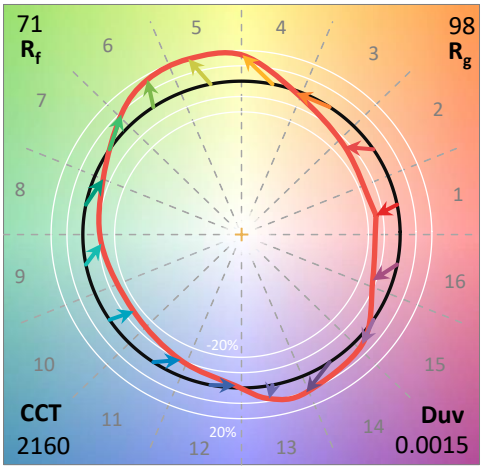
Test Information

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

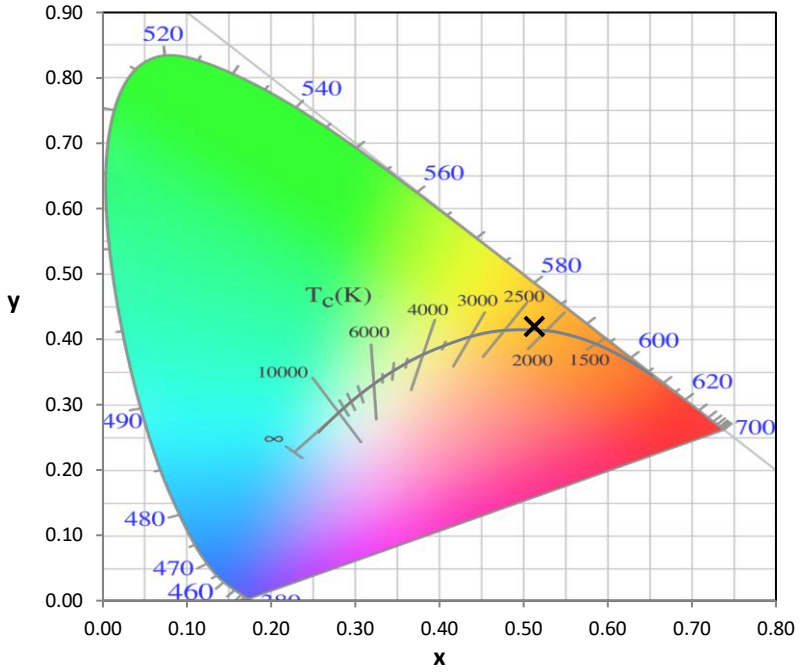
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

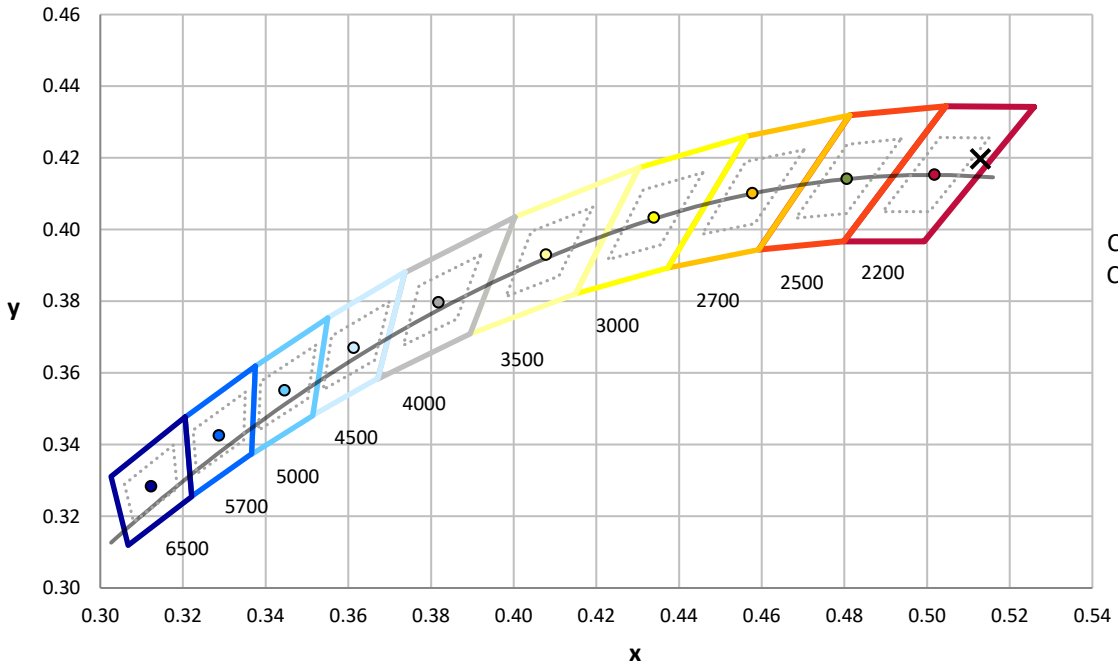
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

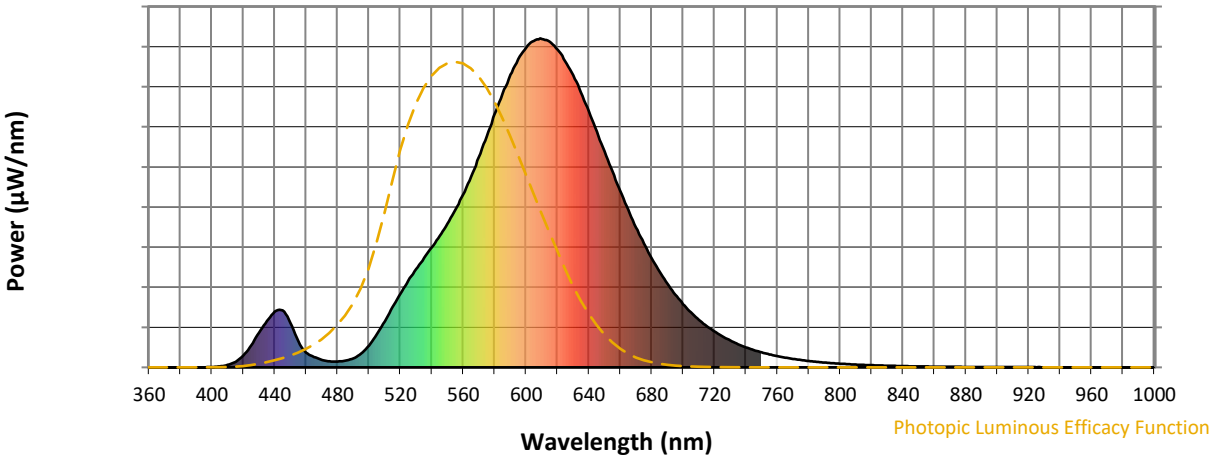


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

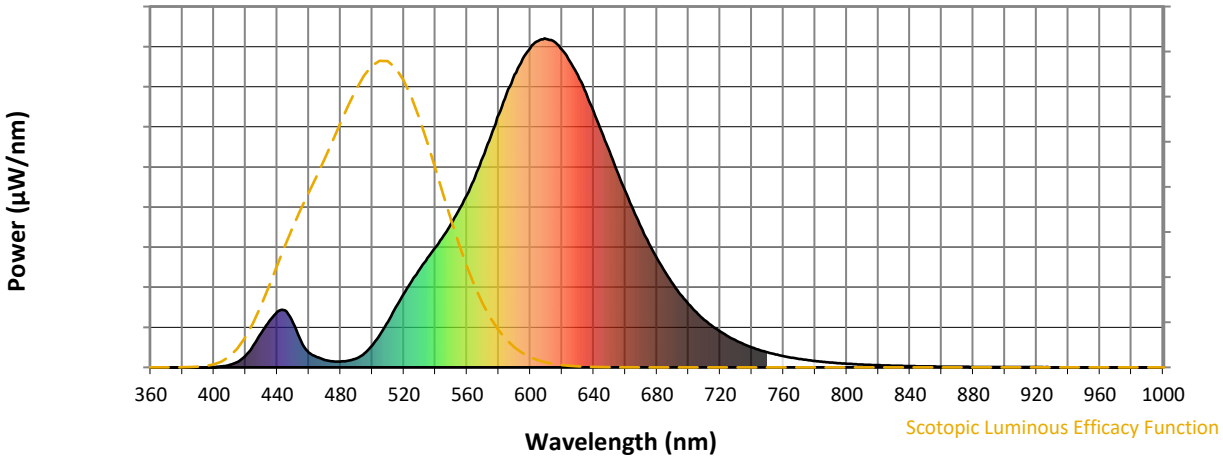


Photopic Lumens: NR

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

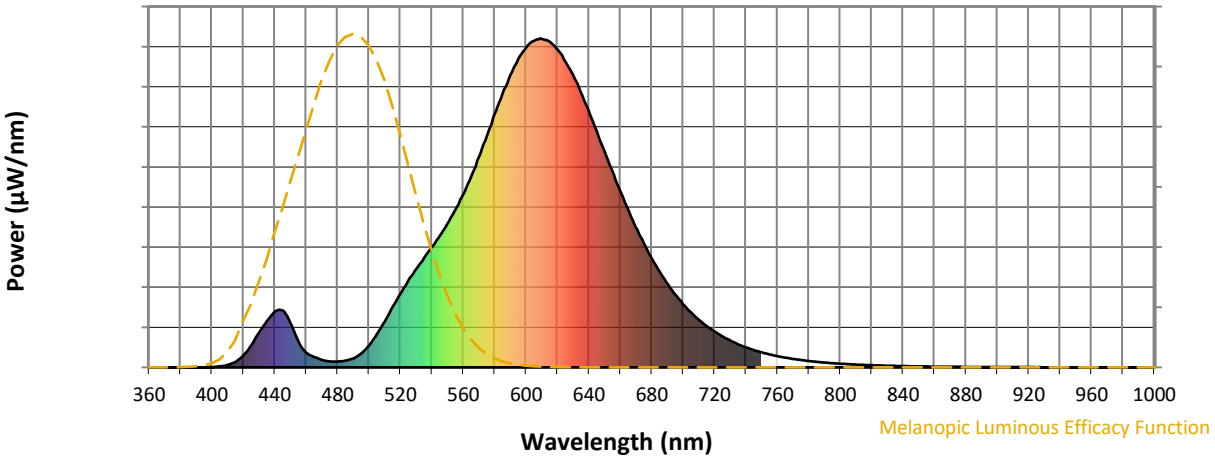


Scotopic Lumens: NR **S/P: 0.8**

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			

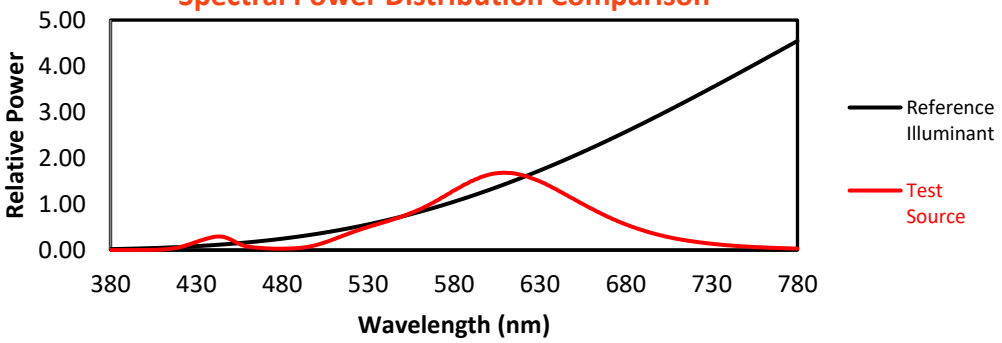
REPORT NUMBER: SP1-2407-184-2

TM-30-18

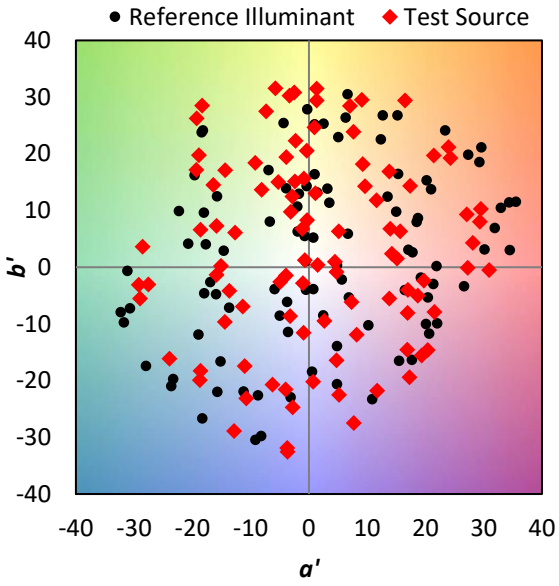
Summary

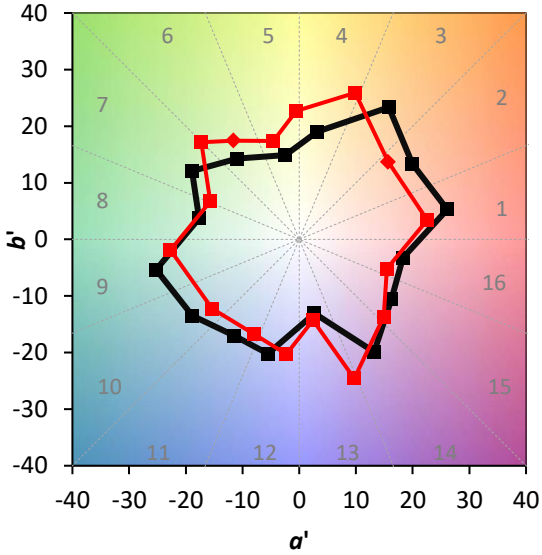
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R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

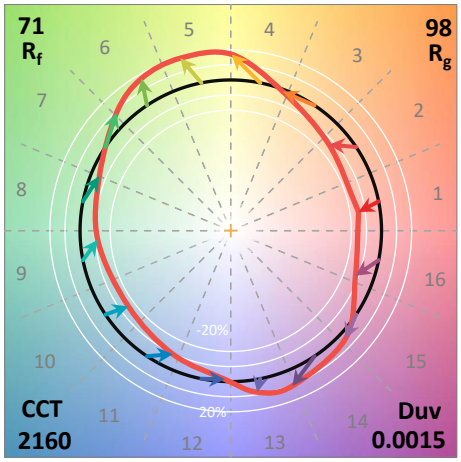
Spectral Power Distribution Comparison

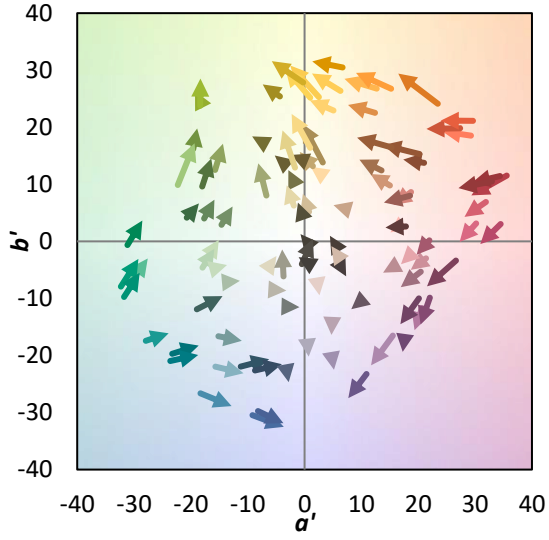


Color Vector Graphics







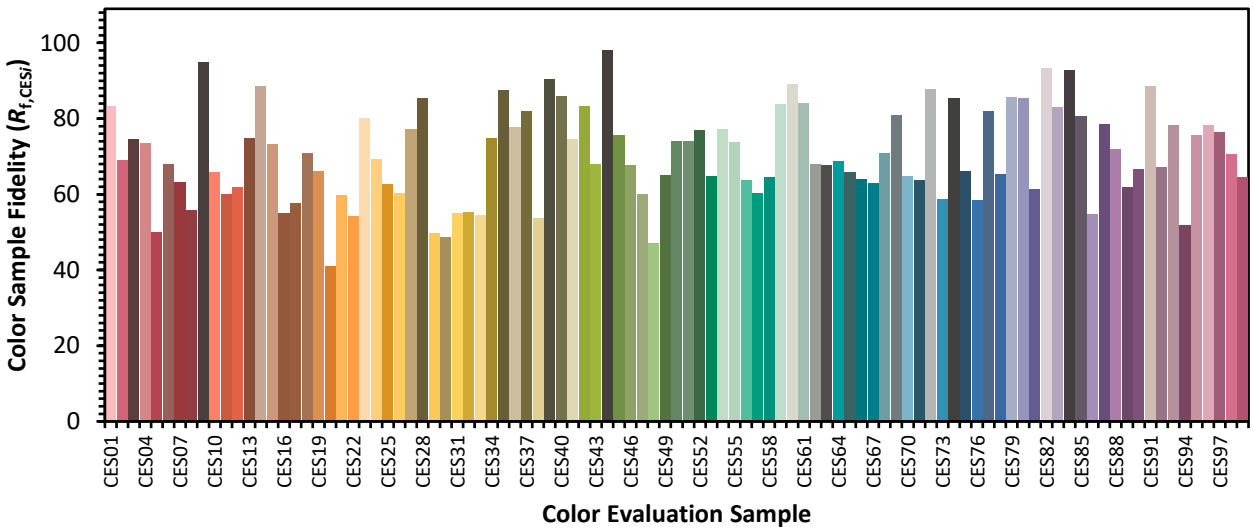


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

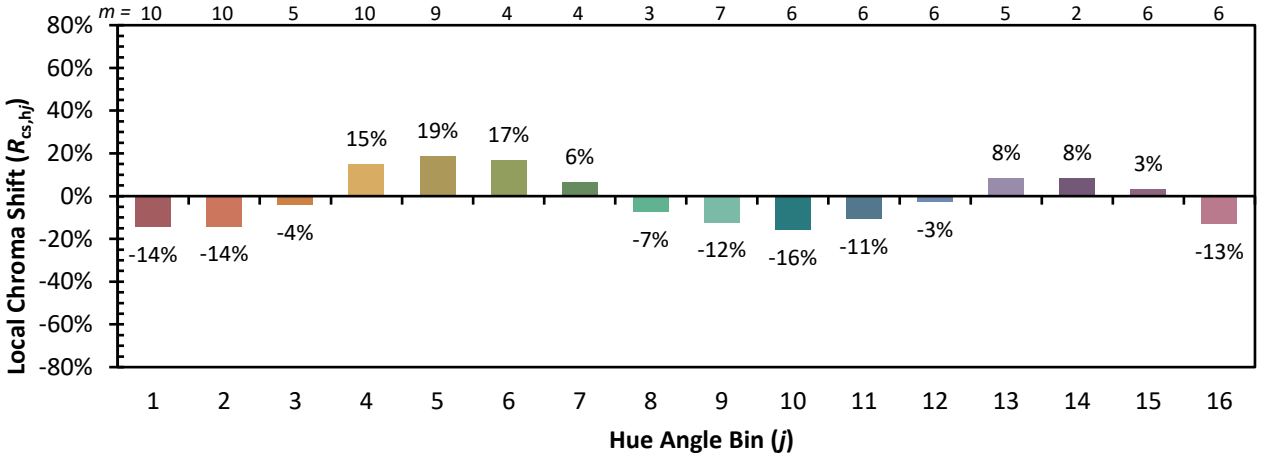
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82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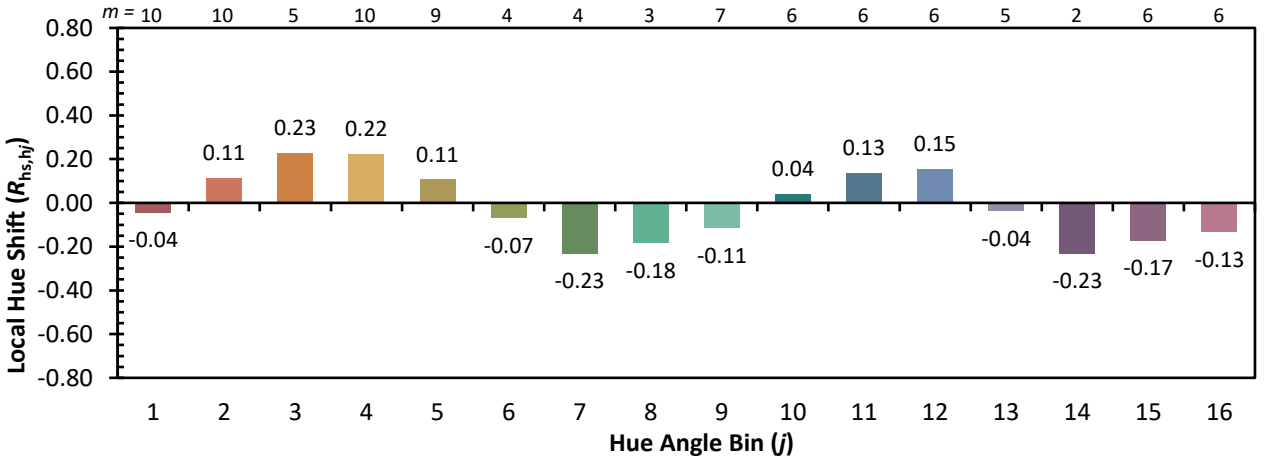


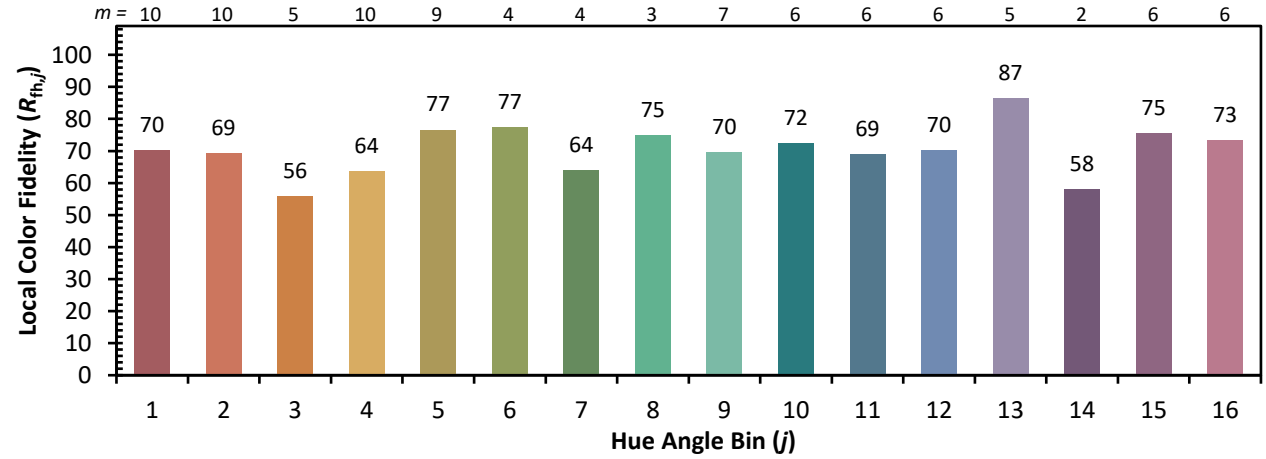
REPORT NUMBER: SP1-2407-184-2

TM-30-18

Color Rendition by Hue-Angle Bin



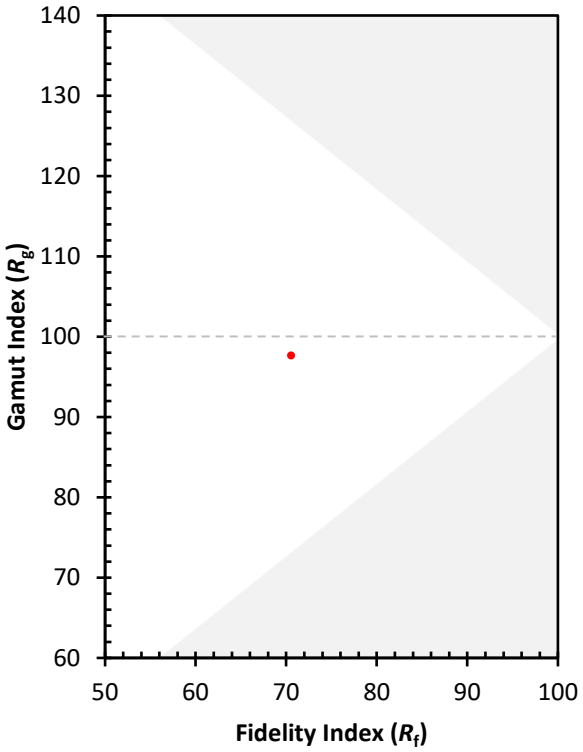


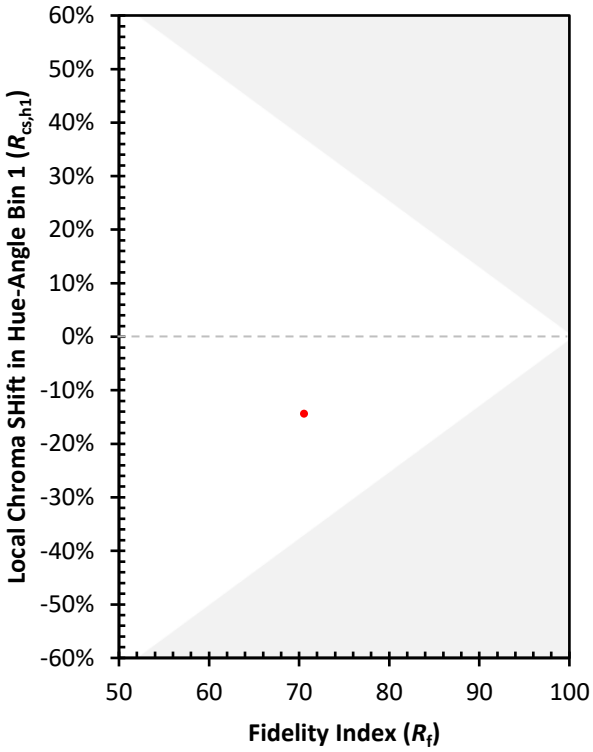


REPORT NUMBER: SP1-2407-184-2

TM-30-18

Measure Comparisons





(END OF REPORT)