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: P1365367

Luminaire Tested: **GSS-SB1A-735-U-SLL-HSS**

Issue Date: 02/18/2026

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1365367
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1A-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 31W 70CRI 3500K FIXTURE w/ 90° Spill Light Eliminator LETT OPTIC OPTIC AND HOUSE SIDE SHIELD
Light Source:	(26) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3079.6 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

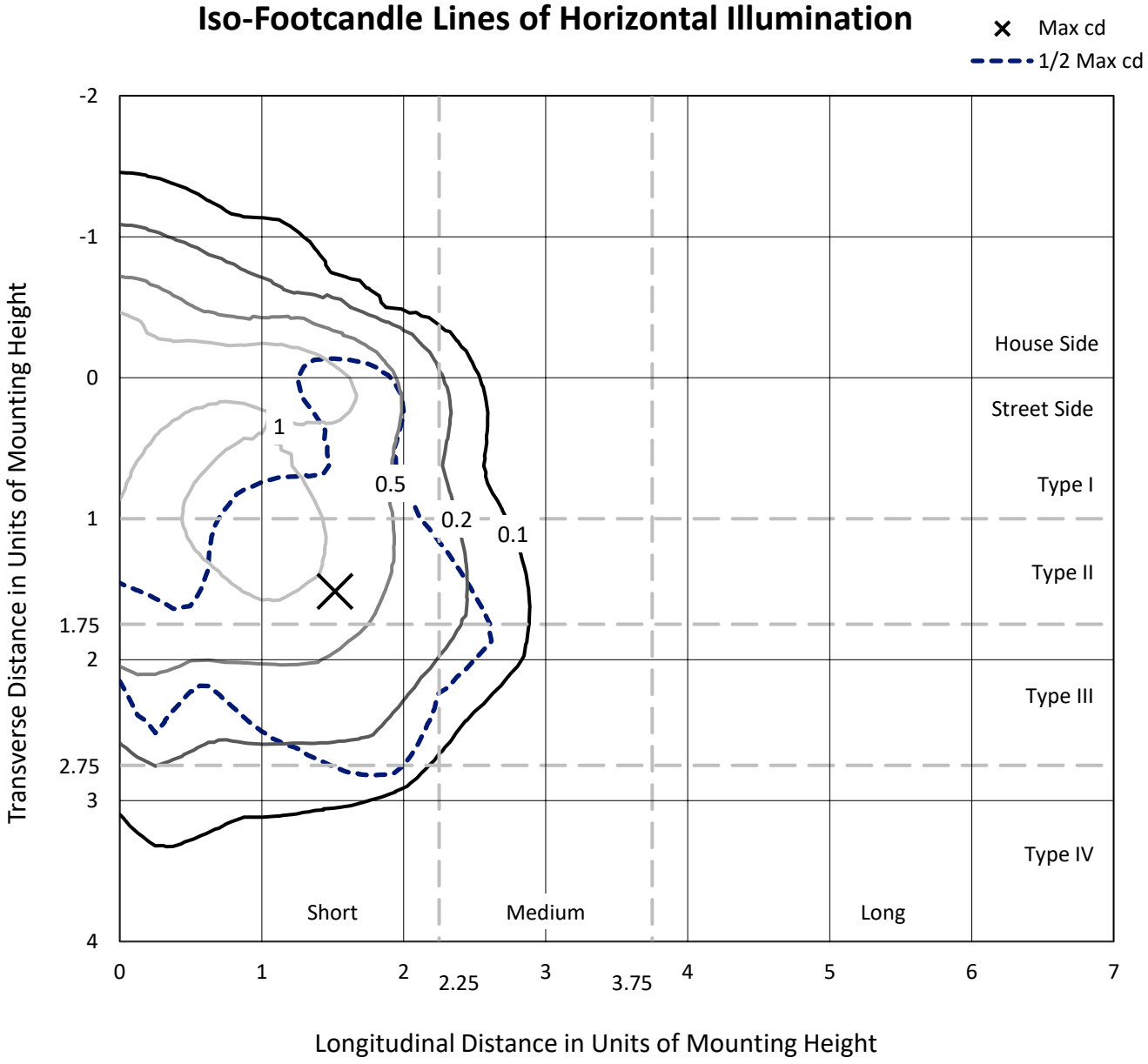
Input Watts (W):	31
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	6.4%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



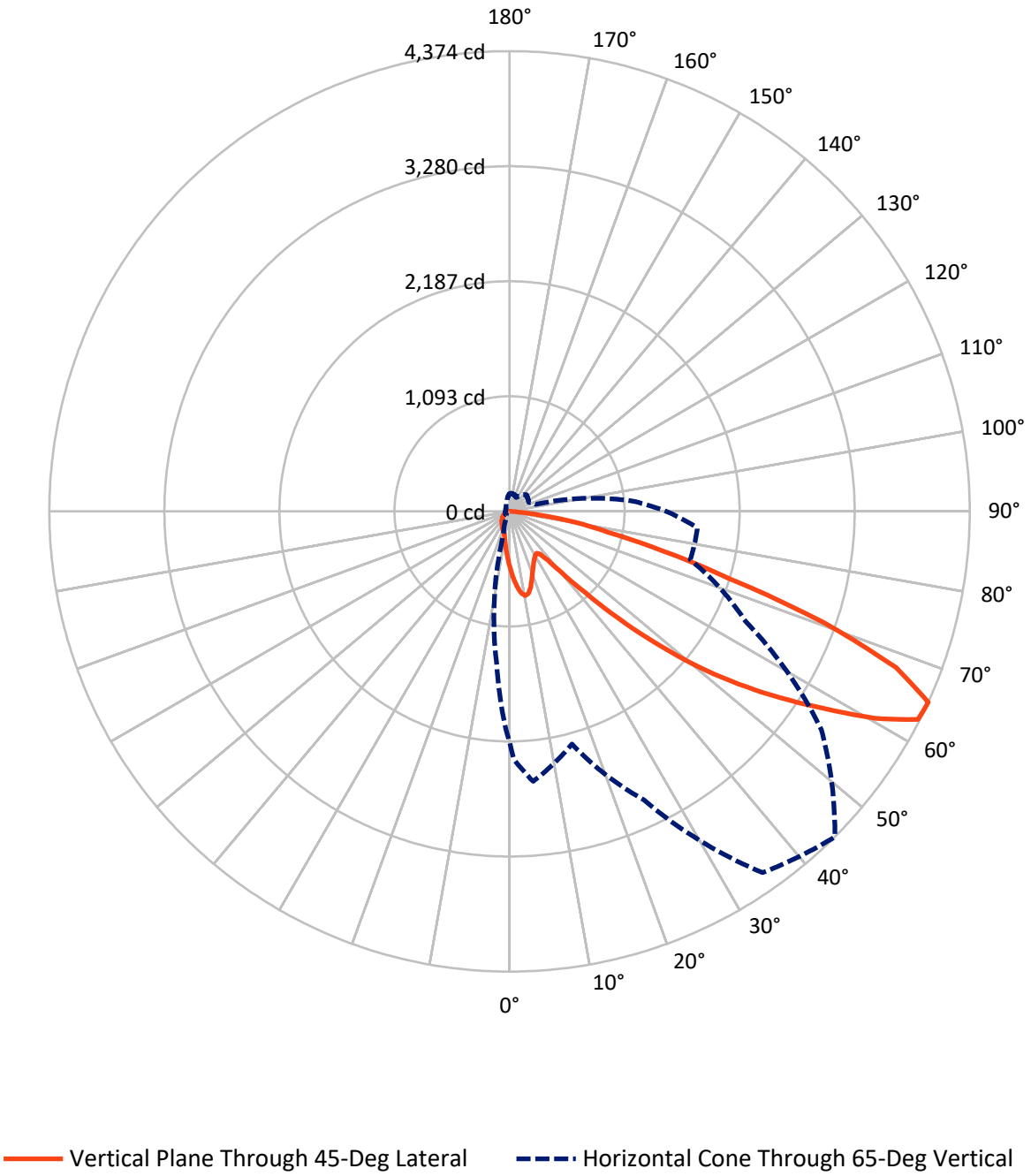
Based on 20 foot mounting height. Maximum calculated value = 1.9 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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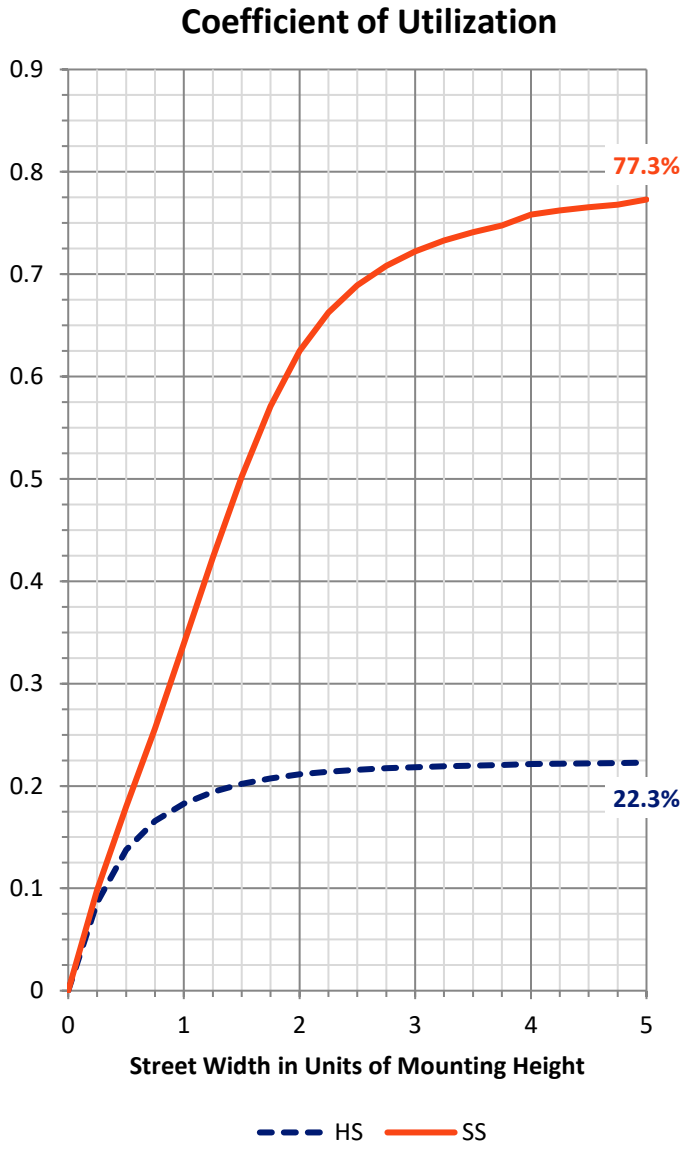
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.7	0.0	692.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	2386.9	0.0	2386.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	3079.6	0.0	3079.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	1.7
10°-20°	141.4	4.6
20°-30°	202.6	6.6
30°-40°	254.1	8.3
40°-50°	417.4	13.6
50°-60°	753.6	24.5
60°-70°	836.6	27.2
70°-80°	378.1	12.3
80°-90°	44.8	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°	3079.6	100.0
0°-180°	3079.6	100.0



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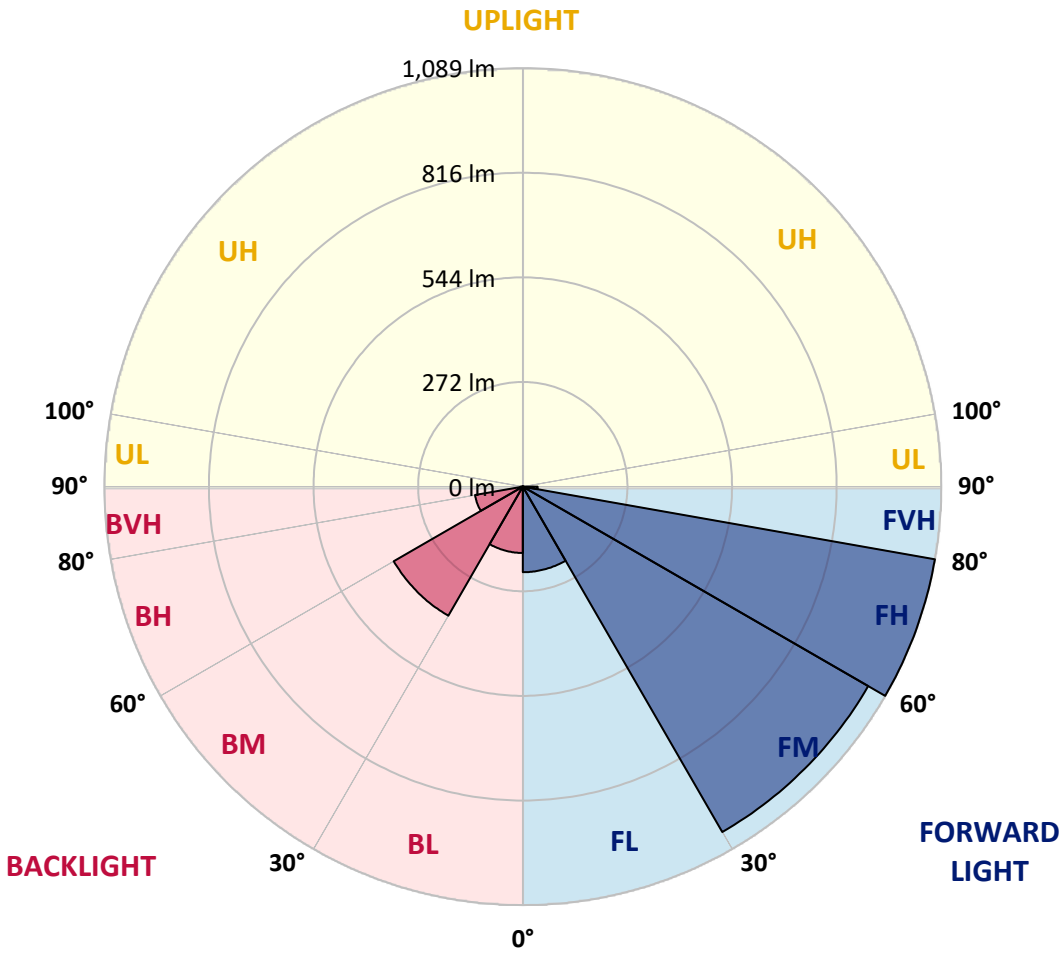
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	222.5	7.2			
FM	(30°-60°)	1037.4	33.7			
FH	(60°-80°)	1088.5	35.3			G1/1800
FVH	(80°-90°)	38.4	1.2			G1/100
BL	(0°-30°)	172.6	5.6	B1/500		
BM	(30°-60°)	387.6	12.6	B1/1000		
BH	(60°-80°)	126.2	4.1	B1/500		G1/500
BVH	(80°-90°)	6.3	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°	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
2.5°	585.9	593.5	592.5	602.9	612.4	619.0	624.6	622.8	618.0	608.6	602.0
5°	647.3	653.0	662.4	682.3	697.4	710.6	708.8	710.6	696.5	682.3	665.3
7.5°	700.2	706.9	720.1	748.4	767.3	783.4	781.5	775.8	759.8	736.2	710.6
10°	733.3	738.0	752.2	784.4	806.1	819.3	814.6	805.1	784.4	760.7	730.5
12.5°	747.5	753.2	765.5	791.0	805.1	802.3	800.4	798.5	788.1	770.2	742.8
15°	749.4	753.2	762.6	774.0	768.3	752.2	748.4	762.6	775.8	772.1	749.4
17.5°	749.4	755.1	756.9	745.6	716.3	687.0	683.2	706.9	743.7	773.0	759.8
20°	752.2	755.1	751.3	714.4	659.6	627.5	620.9	650.2	705.0	762.6	770.2
22.5°	756.0	758.8	742.8	677.6	613.3	579.3	575.5	597.2	661.5	747.5	781.5
25°	763.6	761.7	737.1	645.4	572.7	540.5	534.9	563.2	625.6	732.4	800.4
27.5°	773.0	764.5	729.5	619.0	543.4	509.4	505.6	533.0	595.4	713.5	816.5
30°	785.3	776.8	728.6	598.2	521.6	487.6	482.9	513.1	574.6	700.2	839.2
32.5°	802.3	790.0	729.5	582.1	509.4	477.2	474.4	506.5	566.1	692.7	862.8
35°	825.0	807.0	733.3	576.5	513.1	491.4	498.0	522.6	574.6	698.4	901.5
37.5°	853.3	836.3	752.2	588.7	554.7	569.8	586.8	596.3	615.2	724.8	963.9
40°	900.6	877.0	780.6	628.4	666.2	737.1	770.2	766.4	722.9	785.3	1051.8
42.5°	966.7	945.0	838.2	729.5	852.4	1002.7	1058.4	1026.3	894.9	881.7	1196.4
45°	1067.9	1031.9	915.7	879.8	1077.3	1324.0	1449.6	1339.1	1113.2	1033.8	1402.4
47.5°	1197.3	1161.4	1036.7	1030.1	1328.7	1720.9	1870.2	1652.8	1329.6	1233.2	1649.0
50°	1405.2	1365.5	1214.3	1183.1	1606.5	2116.8	2316.2	1965.6	1549.8	1444.9	1953.3
52.5°	1690.6	1664.2	1495.9	1341.0	1855.0	2553.4	2725.4	2292.6	1719.9	1686.8	2285.0
55°	2088.5	2062.9	1862.6	1516.7	2090.4	2990.9	3129.9	2590.3	1868.3	1970.3	2631.8
57.5°	2539.2	2581.8	2364.4	1751.1	2337.9	3343.4	3537.2	2860.5	2068.6	2349.3	3017.4
60°	2833.1	2967.3	2939.9	2160.3	2722.6	3781.9	3992.6	3222.5	2361.6	2628.1	3008.9
62.5°	2578.0	2712.2	2922.0	2634.7	3093.0	4178.8	4356.5	3603.3	2652.6	2406.0	2526.9
65°	2187.7	2355.0	2576.1	2288.8	3027.8	4191.1	4373.5	3617.5	2475.0	1778.5	1791.7
67.5°	1885.3	2033.7	2305.8	1947.7	2683.8	3816.9	3960.5	3227.2	2045.9	1179.4	1169.0
70°	1573.4	1709.5	2053.5	1734.1	2351.2	3289.6	3165.8	2713.1	1729.4	783.4	649.2
72.5°	1341.0	1466.6	1824.8	1558.3	1865.4	2665.9	2182.0	2251.0	1407.1	498.0	442.3
75°	1109.4	1224.7	1551.7	1410.9	1543.2	1663.2	1508.2	1598.9	1159.5	422.4	341.1
77.5°	778.7	850.5	1088.6	1122.7	1201.1	984.7	956.3	1119.8	825.0	209.8	143.6
80°	383.7	428.1	567.9	668.1	567.9	558.5	636.9	745.6	428.1	128.5	79.4
82.5°	172.0	204.1	261.8	404.5	205.1	223.0	281.6	396.9	194.7	76.5	34.0
85°	27.4	30.2	51.0	68.0	55.8	86.0	82.2	77.5	41.6	20.8	9.5
87.5°	0.9	0.9	0.9	1.9	2.8	3.8	4.7	4.7	4.7	4.7	4.7
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°	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
2.5°	600.1	597.2	583.1	568.9	556.6	544.3	532.0	515.0	501.8	490.5	485.7
5°	656.8	641.7	619.9	596.3	575.5	551.9	529.2	503.7	482.9	461.2	449.8
7.5°	695.5	680.4	644.5	608.6	583.1	557.6	533.9	505.6	478.2	447.0	430.0
10°	713.5	696.5	657.7	616.1	585.0	559.4	537.7	514.1	486.7	447.9	425.3
12.5°	725.8	705.0	660.6	618.0	586.8	560.4	539.6	522.6	506.5	468.7	442.3
15°	733.3	714.4	668.1	619.0	584.0	552.8	533.0	527.3	530.1	512.2	480.1
17.5°	744.7	726.7	677.6	624.6	579.3	536.8	515.0	527.3	552.8	558.5	533.0
20°	759.8	740.9	689.9	629.4	565.1	506.5	485.7	516.9	559.4	588.7	574.6
22.5°	776.8	761.7	704.0	634.1	544.3	466.8	457.4	495.2	540.5	578.3	579.3
25°	797.6	783.4	723.9	638.8	516.0	432.8	434.7	466.8	502.7	541.5	548.1
27.5°	825.9	812.7	748.4	644.5	486.7	405.4	414.9	438.5	463.1	486.7	496.1
30°	857.1	846.7	777.7	655.8	459.3	389.3	395.0	411.1	430.9	445.1	449.8
32.5°	899.6	882.6	805.1	654.9	438.5	381.8	376.1	380.8	396.9	411.1	412.0
35°	952.6	939.3	833.5	637.9	419.6	378.0	358.2	355.3	364.8	378.9	378.0
37.5°	1030.1	1018.7	879.8	611.4	396.0	368.6	339.3	329.8	336.4	345.9	348.7
40°	1146.3	1117.0	932.7	582.1	372.3	351.5	316.6	303.3	308.1	318.5	320.4
42.5°	1304.1	1248.4	1003.6	542.4	349.7	326.0	293.9	279.7	282.6	292.0	293.9
45°	1506.3	1422.2	1100.9	500.9	331.7	299.6	270.3	255.2	258.0	268.4	273.1
47.5°	1742.6	1627.3	1203.0	456.4	321.3	278.8	246.6	235.3	241.9	252.3	254.2
50°	2021.4	1905.1	1268.2	420.5	314.7	262.7	224.9	220.2	228.7	237.2	239.1
52.5°	2325.7	2160.3	1226.6	391.2	309.0	257.0	209.8	211.7	218.3	226.8	229.6
55°	2621.4	2253.8	1088.6	353.4	302.4	260.8	198.5	203.2	211.7	218.3	220.2
57.5°	2814.2	2175.4	877.0	313.7	294.8	263.7	192.8	196.6	206.0	213.6	214.5
60°	2646.0	2003.4	656.8	279.7	278.8	258.9	190.9	185.2	198.5	205.1	206.0
62.5°	2167.8	1638.6	419.6	247.6	248.5	248.5	189.9	166.3	183.3	189.0	188.1
65°	*1489.3*	*1158.6*	*259.9*	*202.2*	*211.7*	*225.9*	*184.3*	*146.5*	*166.3*	*172.0*	*170.1*
67.5°	979.0	736.2	160.7	155.9	173.9	195.6	172.9	131.4	149.3	153.1	147.4
70°	531.1	346.8	105.8	102.1	136.1	154.0	146.5	118.1	133.2	137.0	131.4
72.5°	350.6	199.4	74.7	74.7	106.8	107.7	120.0	105.8	118.1	121.9	116.2
75°	263.7	128.5	52.0	57.6	68.0	84.1	86.0	88.8	100.2	104.9	99.2
77.5°	121.0	47.3	31.2	42.5	47.3	64.3	54.8	66.2	74.7	76.5	71.8
80°	69.9	26.5	20.8	27.4	30.2	52.9	32.1	39.7	52.9	55.8	50.1
82.5°	29.3	13.2	14.2	17.0	18.0	29.3	22.7	25.5	35.0	34.0	30.2
85°	8.5	8.5	9.5	10.4	10.4	17.0	16.1	15.1	16.1	16.1	13.2
87.5°	5.7	5.7	5.7	6.6	6.6	7.6	8.5	9.5	9.5	9.5	8.5
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°	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
2.5°	479.1	470.6	458.3	456.4	449.8	445.1	449.8	454.5	463.1	464.0	467.8
5°	439.4	419.6	404.5	387.5	378.9	378.0	376.1	381.8	394.1	401.6	407.3
7.5°	413.0	377.1	350.6	327.0	318.5	311.9	317.5	316.6	332.6	339.3	344.9
10°	398.8	348.7	309.0	279.7	268.4	261.8	260.8	262.7	272.2	278.8	285.4
12.5°	408.2	337.4	278.8	244.8	232.5	224.9	218.3	218.3	220.2	228.7	231.5
15°	439.4	344.0	264.6	227.7	211.7	199.4	190.9	184.3	185.2	186.2	189.0
17.5°	484.8	361.0	259.9	217.4	200.3	185.2	176.7	169.2	167.3	167.3	166.3
20°	528.3	374.2	256.1	208.8	187.1	173.9	166.3	159.7	156.9	156.9	156.9
22.5°	546.2	385.6	251.4	198.5	173.9	161.6	155.0	150.3	149.3	149.3	148.4
25°	532.0	381.8	245.7	188.1	161.6	152.1	146.5	141.8	140.8	141.8	140.8
27.5°	487.6	368.6	238.1	179.6	152.1	143.6	138.9	134.2	133.2	134.2	134.2
30°	440.4	345.9	225.9	172.9	144.6	135.1	130.4	125.7	125.7	126.6	127.6
32.5°	402.6	323.2	211.7	164.4	136.1	127.6	122.9	118.1	118.1	120.0	120.0
35°	370.4	305.2	197.5	155.9	128.5	119.1	115.3	111.5	110.6	112.5	113.4
37.5°	344.9	289.2	182.4	147.4	121.0	112.5	108.7	104.0	103.0	104.9	106.8
40°	318.5	271.2	169.2	137.0	113.4	104.9	101.1	95.4	95.4	97.3	99.2
42.5°	293.0	255.2	160.7	127.6	105.8	96.4	92.6	87.9	87.9	89.8	91.7
45°	272.2	240.0	155.9	118.1	97.3	88.8	84.1	80.3	81.3	83.2	85.1
47.5°	252.3	224.0	156.9	113.4	91.7	80.3	75.6	72.8	74.7	77.5	79.4
50°	237.2	212.6	157.8	105.8	84.1	73.7	69.0	67.1	69.9	72.8	74.7
52.5°	227.7	201.3	152.1	96.4	78.4	67.1	64.3	64.3	67.1	69.0	70.9
55°	218.3	182.4	139.9	86.0	72.8	62.4	60.5	60.5	63.3	65.2	66.2
57.5°	210.7	162.5	125.7	77.5	66.2	57.6	57.6	57.6	58.6	59.5	61.4
60°	196.6	141.8	107.7	70.9	59.5	53.9	52.9	52.9	52.0	52.9	55.8
62.5°	172.0	119.1	91.7	63.3	53.9	49.1	48.2	45.4	42.5	43.5	45.4
65°	*145.5*	*94.5*	*76.5*	*54.8*	*46.3*	*43.5*	*42.5*	*37.8*	*34.0*	*35.0*	*37.8*
67.5°	116.2	70.9	64.3	47.3	39.7	36.9	36.9	34.0	31.2	31.2	33.1
70°	90.7	59.5	48.2	37.8	31.2	31.2	33.1	30.2	26.5	26.5	29.3
72.5°	73.7	48.2	38.7	29.3	24.6	26.5	27.4	24.6	21.7	21.7	23.6
75°	57.6	37.8	30.2	21.7	18.9	19.8	21.7	19.8	17.0	18.0	18.9
77.5°	39.7	25.5	19.8	16.1	14.2	15.1	15.1	14.2	13.2	13.2	14.2
80°	26.5	17.0	13.2	11.3	10.4	10.4	9.5	9.5	10.4	10.4	11.3
82.5°	18.9	12.3	10.4	8.5	6.6	6.6	7.6	7.6	8.5	8.5	9.5
85°	11.3	8.5	7.6	5.7	4.7	5.7	5.7	6.6	7.6	7.6	8.5
87.5°	8.5	6.6	5.7	4.7	3.8	3.8	4.7	4.7	5.7	6.6	6.6
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: P1365367
CATALOG NUMBER: GSS-SB1A-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0	532.0
2.5°	477.2	488.6	504.6	518.8	535.8	552.8	568.9	584.0	585.0	585.9
5°	425.3	447.9	474.4	506.5	540.5	573.6	608.6	636.9	643.5	647.3
7.5°	367.6	400.7	441.3	486.7	537.7	588.7	637.9	680.4	696.5	700.2
10°	307.1	347.8	396.9	455.5	524.5	592.5	658.7	710.6	729.5	733.3
12.5°	253.3	286.3	343.0	413.9	497.1	586.8	666.2	723.9	742.8	747.5
15°	207.0	238.1	291.1	365.7	459.3	567.0	660.6	726.7	745.6	749.4
17.5°	171.0	190.9	239.1	320.4	425.3	541.5	653.0	728.6	746.6	749.4
20°	156.9	160.7	186.2	265.5	389.3	522.6	648.3	731.4	749.4	752.2
22.5°	150.3	150.3	155.9	202.2	339.3	502.7	646.4	739.9	753.2	756.0
25°	143.6	143.6	145.5	158.8	279.7	478.2	650.2	755.1	763.6	763.6
27.5°	137.0	137.0	138.9	141.8	207.9	437.5	651.1	772.1	775.8	773.0
30°	130.4	132.3	132.3	134.2	153.1	386.5	645.4	791.0	791.0	785.3
32.5°	123.8	124.7	126.6	127.6	133.2	320.4	636.0	814.6	809.9	802.3
35°	118.1	119.1	119.1	121.0	126.6	256.1	625.6	846.7	833.5	825.0
37.5°	110.6	111.5	112.5	114.3	120.0	203.2	610.5	874.1	864.7	853.3
40°	104.0	104.9	105.8	107.7	113.4	174.8	591.6	915.7	913.8	900.6
42.5°	96.4	98.3	99.2	100.2	107.7	159.7	578.3	982.8	982.8	966.7
45°	89.8	91.7	91.7	93.6	104.0	146.5	607.6	1075.4	1083.0	1067.9
47.5°	84.1	85.1	85.1	86.0	98.3	135.1	686.1	1217.2	1207.7	1197.3
50°	78.4	80.3	78.4	79.4	93.6	141.8	815.5	1398.6	1423.2	1405.2
52.5°	74.7	75.6	71.8	71.8	86.9	150.3	921.4	1630.1	1712.3	1690.6
55°	69.9	70.9	66.2	66.2	76.5	130.4	928.0	1893.8	2074.3	2088.5
57.5°	65.2	65.2	61.4	60.5	66.2	105.8	823.1	2097.9	2507.1	2539.2
60°	59.5	58.6	56.7	54.8	60.5	97.3	627.5	2070.5	2721.6	2833.1
62.5°	51.0	52.9	52.0	48.2	54.8	90.7	409.2	1791.7	2479.7	2578.0
65°	*42.5*	*45.4*	*45.4*	*42.5*	*60.5*	*79.4*	*215.5*	*1434.5*	*2069.6*	*2187.7*
67.5°	37.8	39.7	38.7	36.9	53.9	50.1	104.0	1100.0	1771.9	1885.3
70°	33.1	35.0	32.1	30.2	43.5	35.9	61.4	736.2	1462.9	1573.4
72.5°	27.4	29.3	26.5	23.6	32.1	27.4	40.6	479.1	1218.1	1341.0
75°	22.7	23.6	21.7	18.9	23.6	21.7	28.4	312.8	1018.7	1109.4
77.5°	16.1	18.0	17.0	14.2	17.0	15.1	19.8	178.6	710.6	778.7
80°	12.3	12.3	12.3	11.3	10.4	10.4	13.2	80.3	344.9	383.7
82.5°	10.4	10.4	9.5	8.5	7.6	6.6	7.6	23.6	162.5	172.0
85°	9.5	7.6	6.6	5.7	4.7	2.8	2.8	6.6	33.1	27.4
87.5°	5.7	4.7	3.8	1.9	0.9	0.9	0.0	0.9	0.9	0.9
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

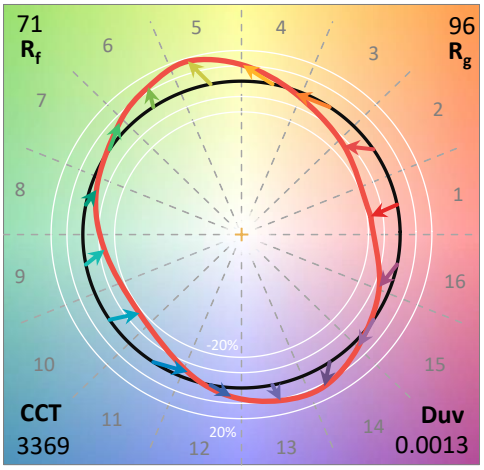
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
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-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

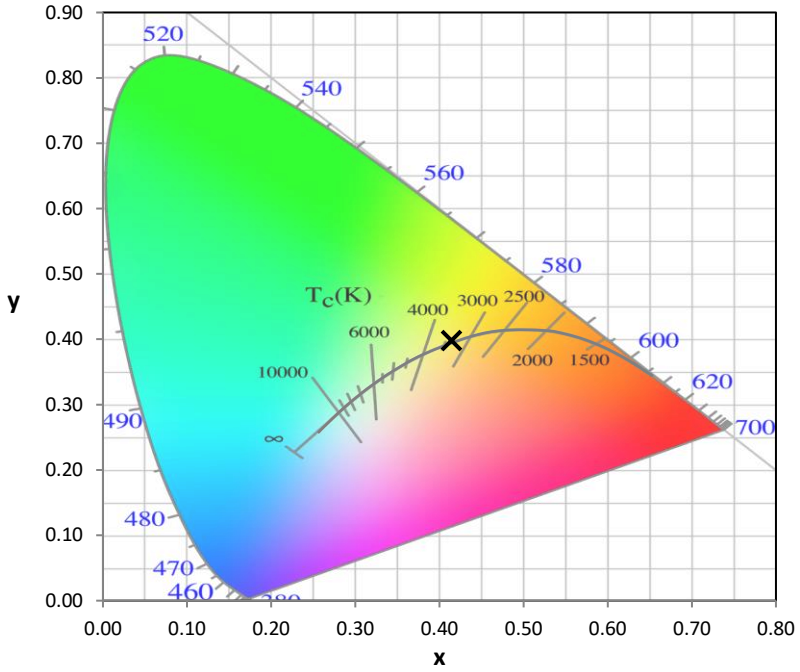
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

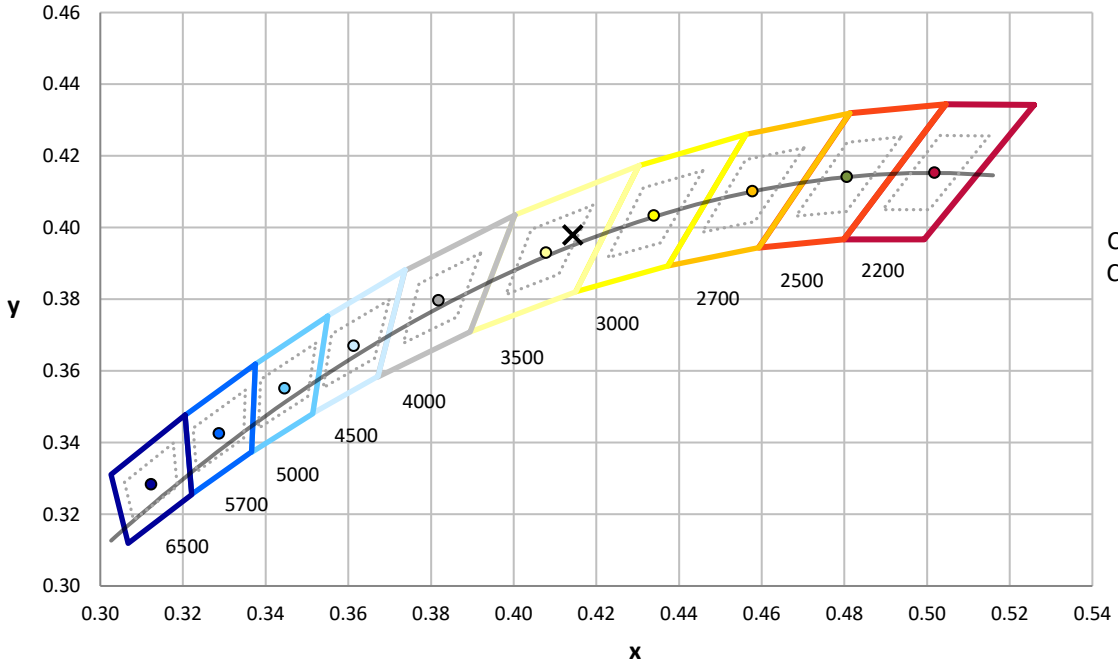
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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

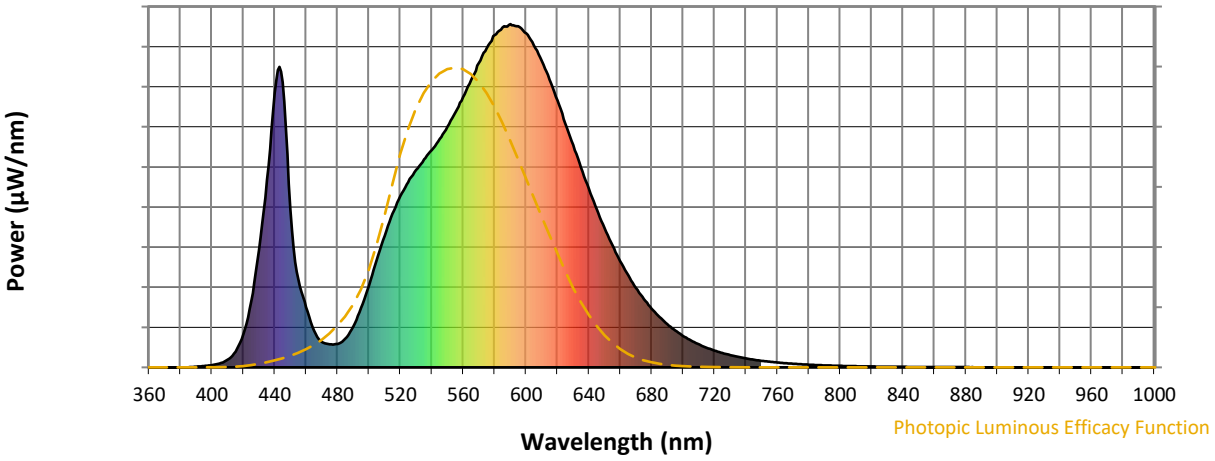


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

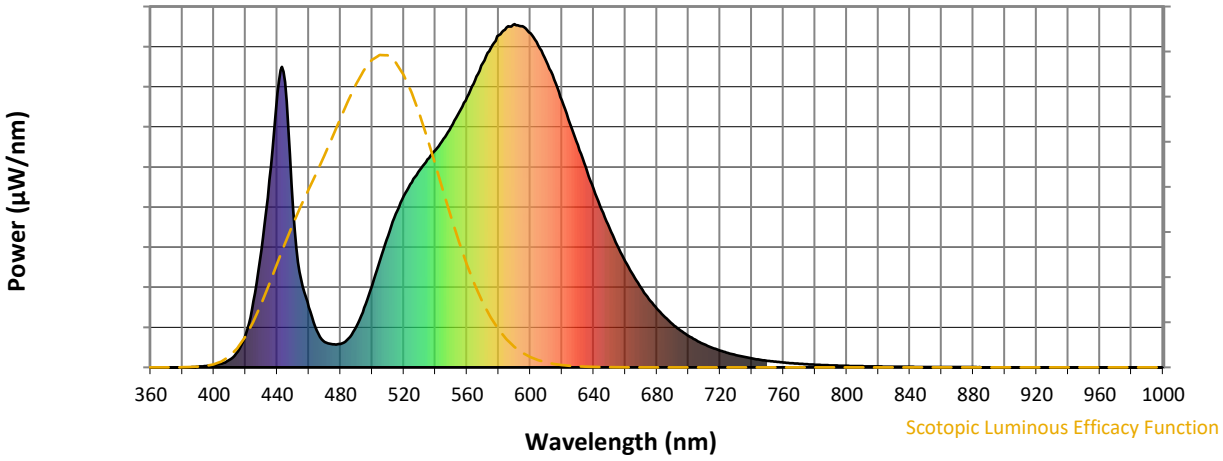


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

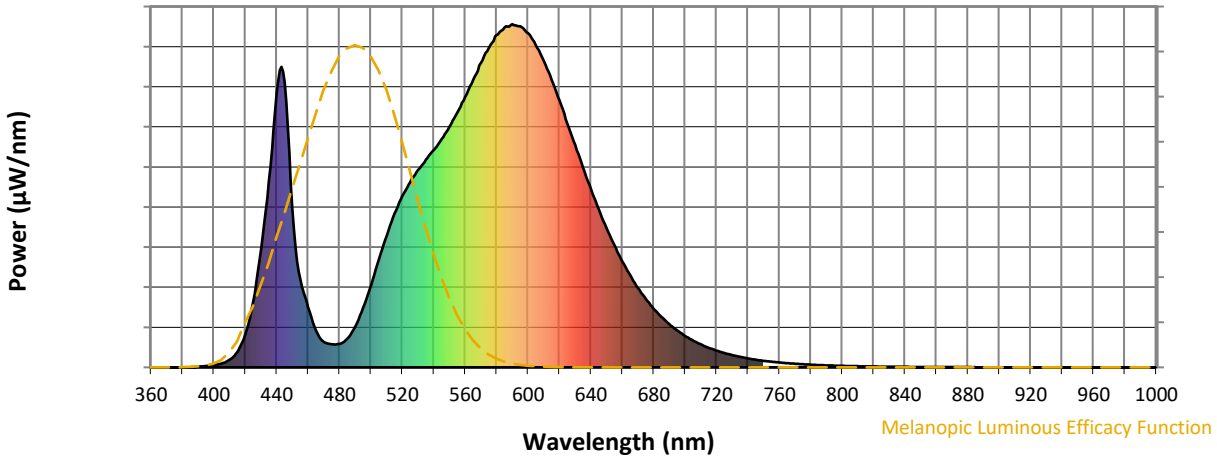


Scotopic Lumens: NR **S/P: 1.29**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

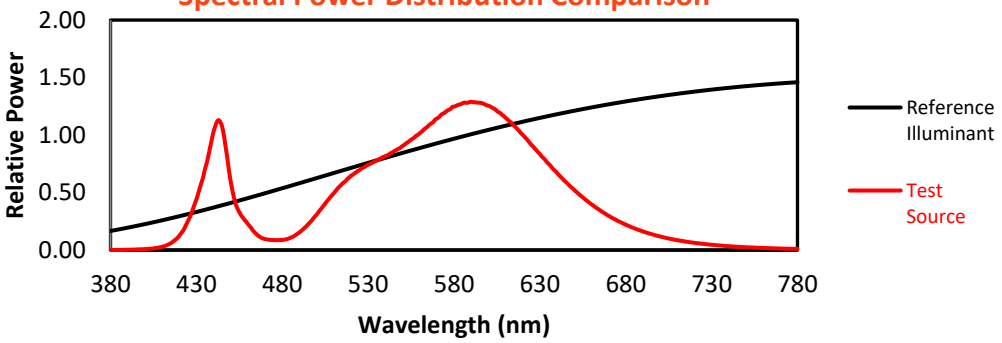
REPORT NUMBER: SP1-2407-184-5

TM-30-18

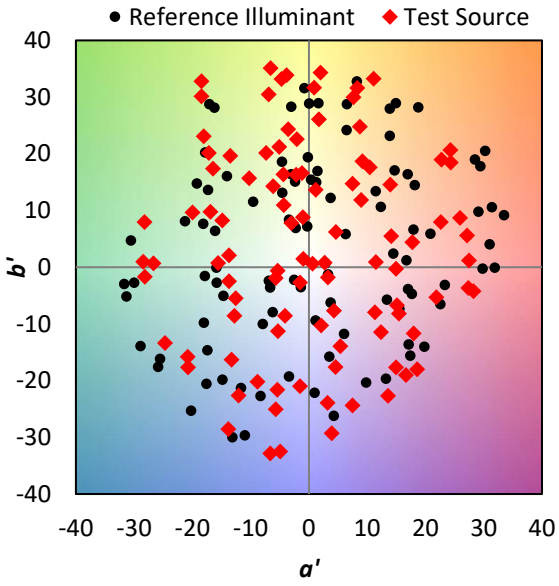
Summary

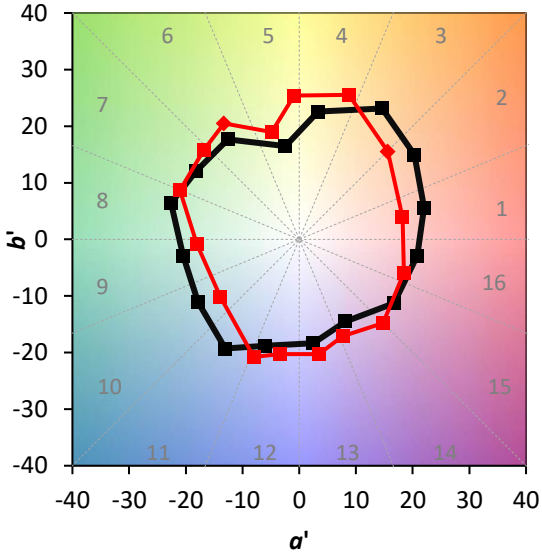
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

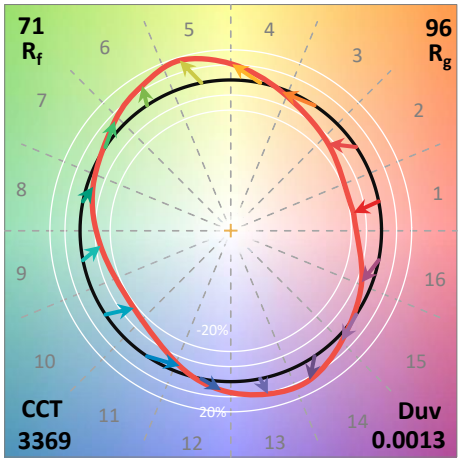
Spectral Power Distribution Comparison

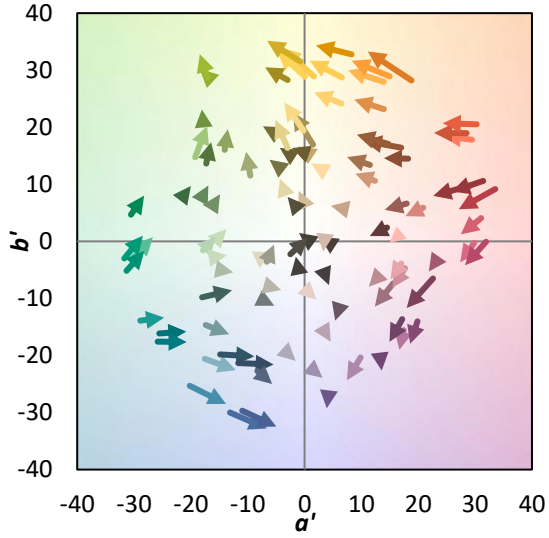


Color Vector Graphics







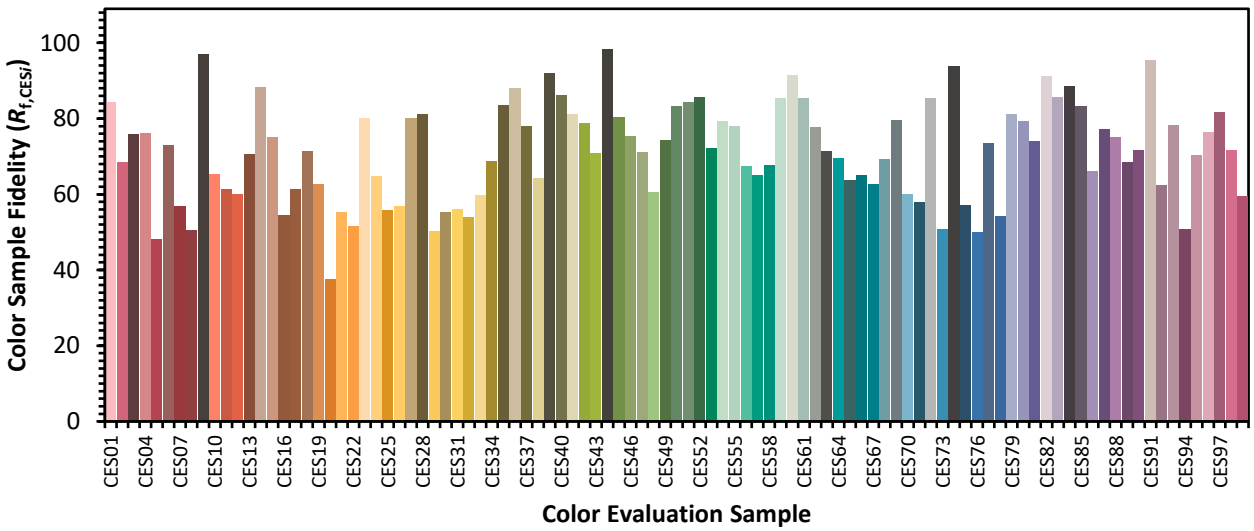


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

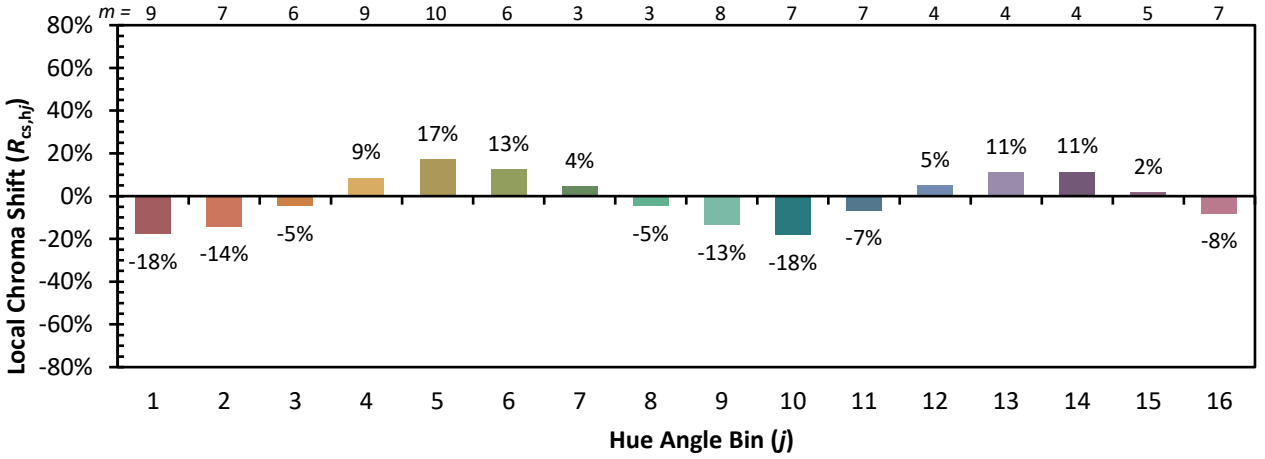
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CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

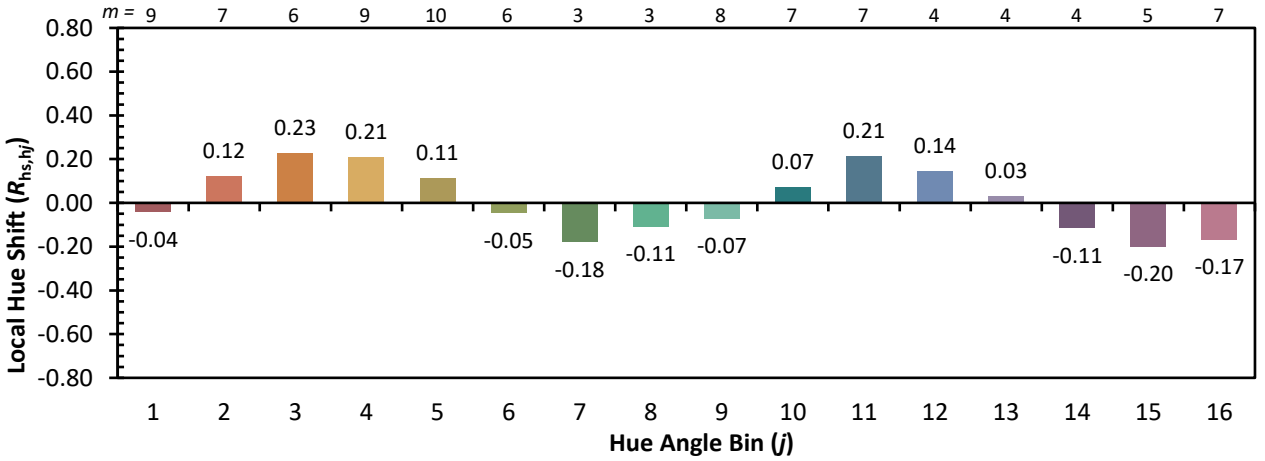


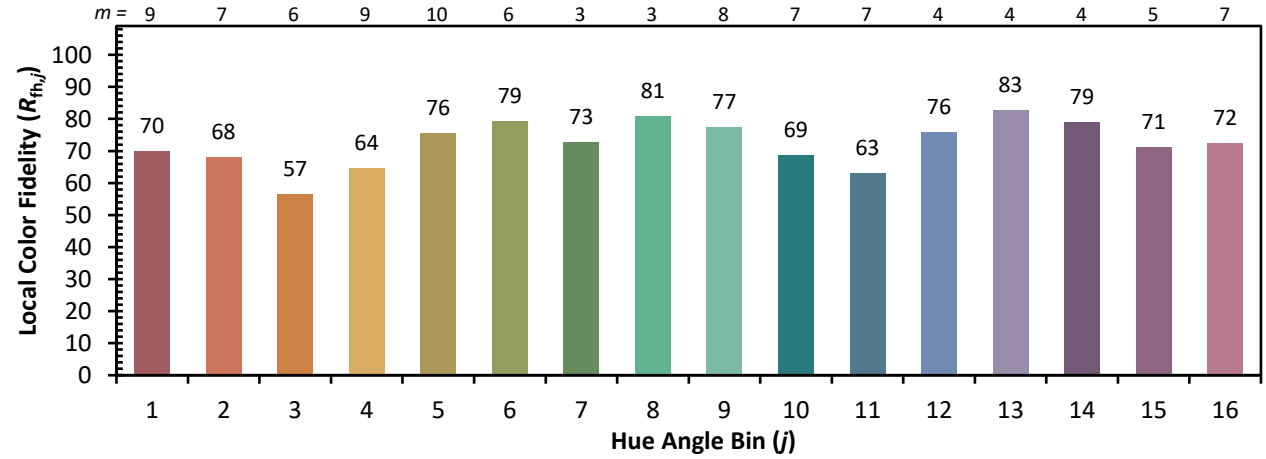
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Color Rendition by Hue-Angle Bin



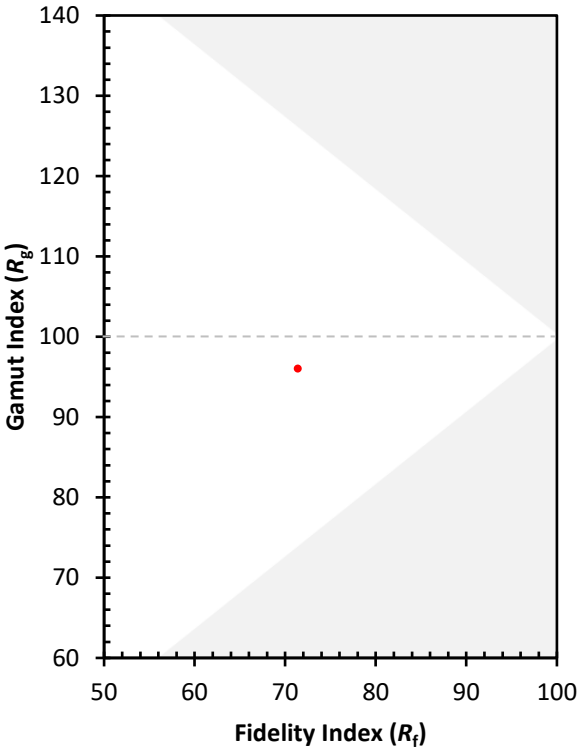


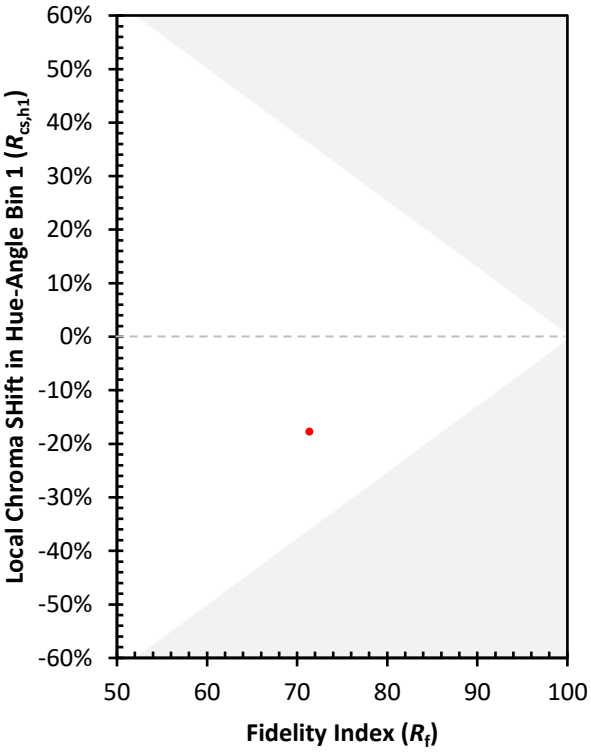


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Measure Comparisons





(END OF REPORT)