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: P1365368

Luminaire Tested: **GSS-SB1B-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:	P1365368
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB1B-735-U-SLL-HSS
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 1SQUARE 40W 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:	3879.6 lumens
Efficiency:	N/A
Efficacy:	97.0 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

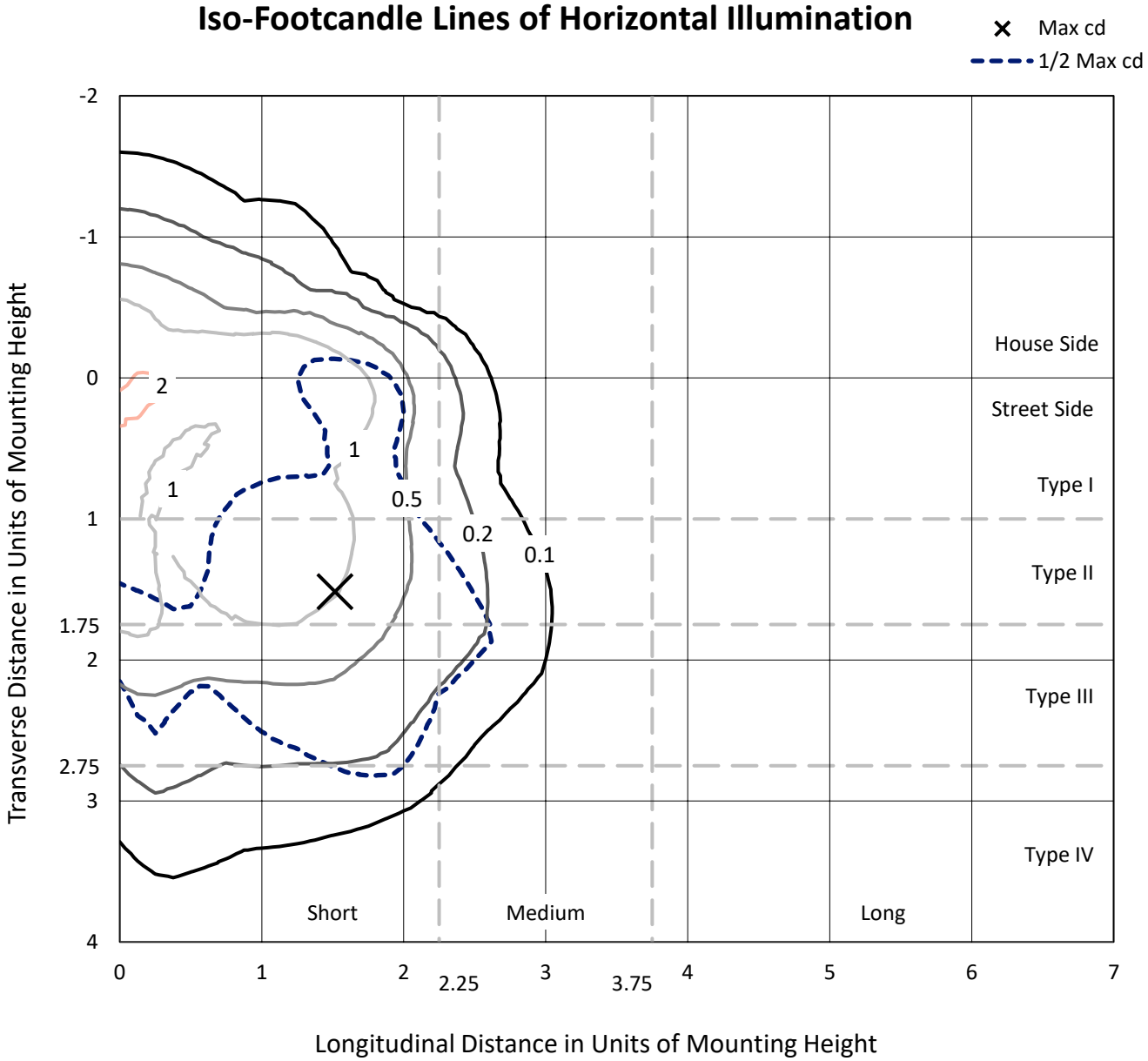
Input Watts (W):	40
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	5.3%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination



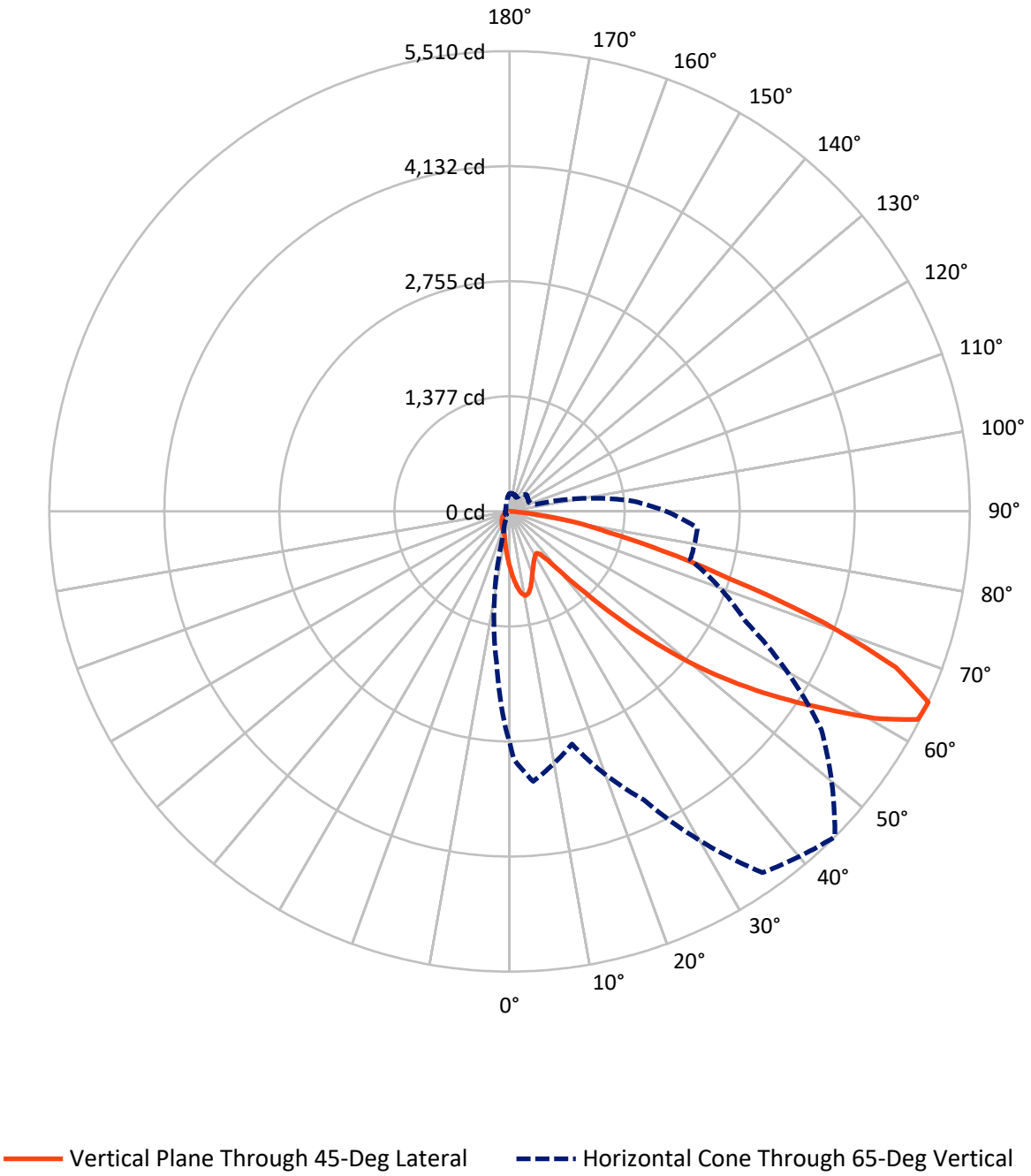
Based on 20 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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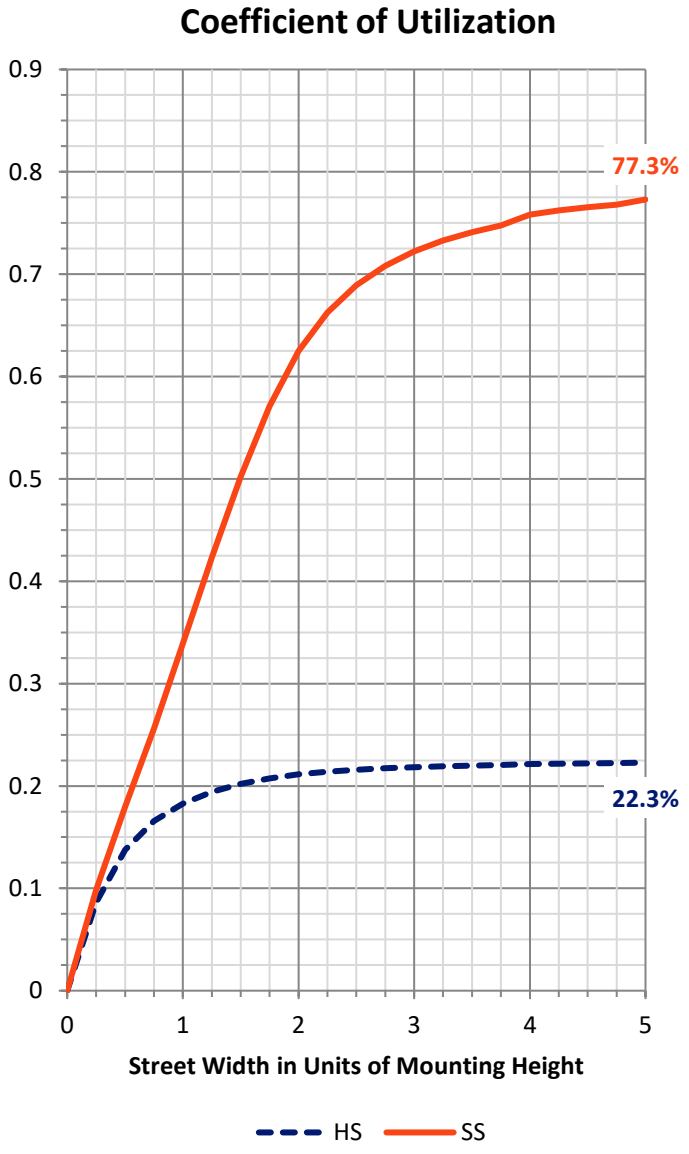
REPORT NUMBER: P1365368
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	872.7	0.0	872.7
	% Fixture	22.5	0.0	22.5
Street Side	Lumens	3006.9	0.0	3006.9
	% Fixture	77.5	0.0	77.5
Total	Lumens	3879.6	0.0	3879.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.4	1.7
10°-20°	178.2	4.6
20°-30°	255.2	6.6
30°-40°	320.1	8.3
40°-50°	525.8	13.6
50°-60°	949.3	24.5
60°-70°	1053.9	27.2
70°-80°	476.4	12.3
80°-90°	56.4	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°	3879.6	100.0
0°-180°	3879.6	100.0



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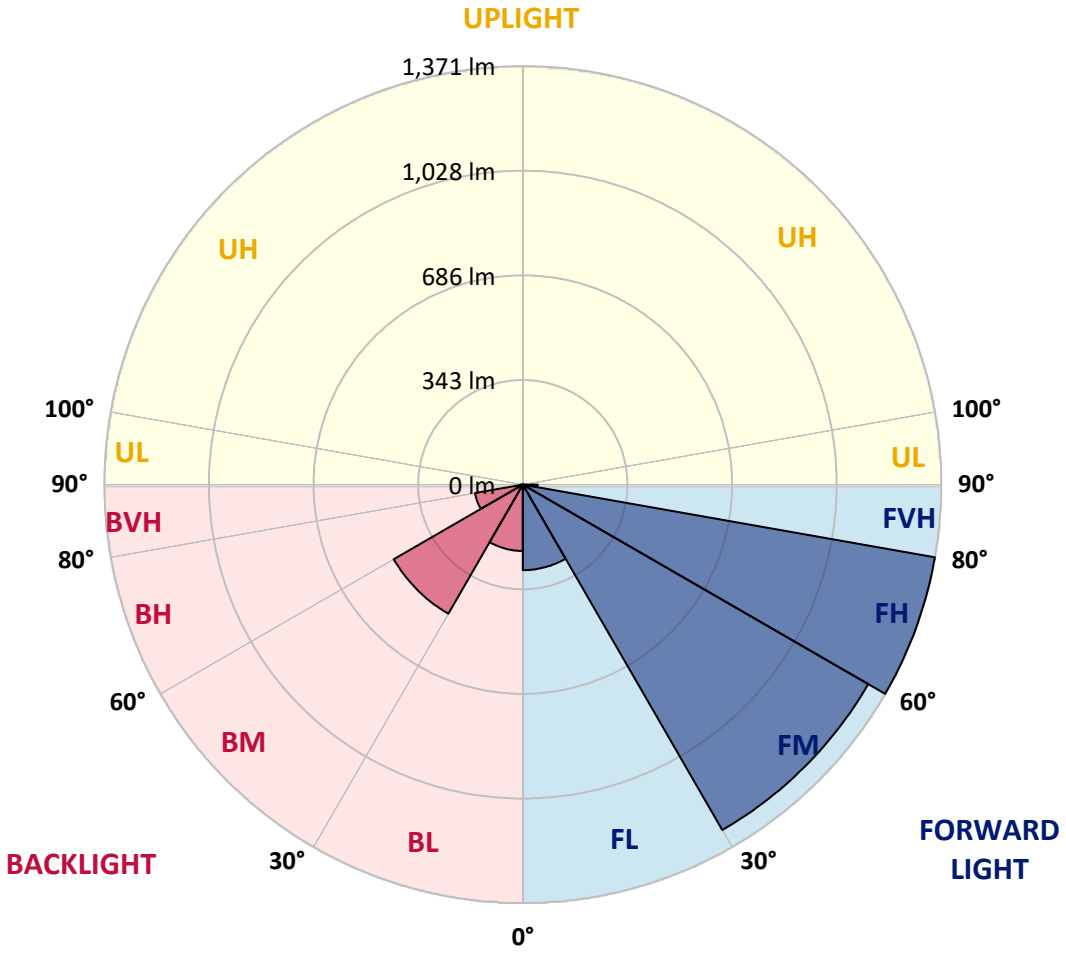
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	280.3	7.2			
FM	(30°-60°)	1306.9	33.7			
FH	(60°-80°)	1371.3	35.3			G1/1800
FVH	(80°-90°)	48.4	1.2			G1/100
BL	(0°-30°)	217.5	5.6	B1/500		
BM	(30°-60°)	488.3	12.6	B1/1000		
BH	(60°-80°)	159.0	4.1	B1/500		G1/500
BVH	(80°-90°)	8.0	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°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	738.1	747.6	746.4	759.5	771.4	779.8	786.9	784.5	778.6	766.7	758.3
5°	815.5	822.6	834.5	859.5	878.6	895.2	892.9	895.2	877.4	859.5	838.1
7.5°	882.2	890.5	907.2	942.9	966.7	986.9	984.5	977.4	957.2	927.4	895.2
10°	923.8	929.8	947.6	988.1	1015.5	1032.2	1026.2	1014.3	988.1	958.3	920.2
12.5°	941.7	948.8	964.3	996.4	1014.3	1010.7	1008.3	1006.0	992.9	970.2	935.7
15°	944.1	948.8	960.7	975.0	967.9	947.6	942.9	960.7	977.4	972.6	944.1
17.5°	944.1	951.2	953.6	939.3	902.4	865.5	860.7	890.5	936.9	973.8	957.2
20°	947.6	951.2	946.4	900.0	831.0	790.5	782.2	819.1	888.1	960.7	970.2
22.5°	952.4	956.0	935.7	853.6	772.6	729.8	725.0	752.4	833.3	941.7	984.5
25°	961.9	959.5	928.6	813.1	721.4	681.0	673.8	709.5	788.1	922.6	1008.3
27.5°	973.8	963.1	919.1	779.8	684.5	641.7	636.9	671.4	750.0	898.8	1028.6
30°	989.3	978.6	917.9	753.6	657.2	614.3	608.3	646.4	723.8	882.2	1057.2
32.5°	1010.7	995.2	919.1	733.3	641.7	601.2	597.6	638.1	713.1	872.6	1086.9
35°	1039.3	1016.7	923.8	726.2	646.4	619.1	627.4	658.3	723.8	879.8	1135.7
37.5°	1075.0	1053.6	947.6	741.7	698.8	717.9	739.3	751.2	775.0	913.1	1214.3
40°	1134.5	1104.8	983.3	791.7	839.3	928.6	970.2	965.5	910.7	989.3	1325.0
42.5°	1217.9	1190.5	1056.0	919.1	1073.8	1263.1	1333.3	1292.9	1127.4	1110.7	1507.2
45°	1345.3	1300.0	1153.6	1108.3	1357.2	1667.9	1826.2	1686.9	1402.4	1302.4	1766.7
47.5°	1508.4	1463.1	1306.0	1297.6	1673.8	2167.9	2356.0	2082.2	1675.0	1553.6	2077.4
50°	1770.3	1720.3	1529.8	1490.5	2023.8	2666.7	2917.9	2476.2	1952.4	1820.3	2460.7
52.5°	2129.8	2096.5	1884.5	1689.3	2336.9	3216.7	3433.4	2888.1	2166.7	2125.0	2878.6
55°	2631.0	2598.8	2346.5	1910.7	2633.4	3767.9	3942.9	3263.1	2353.6	2482.2	3315.5
57.5°	3198.8	3252.4	2978.6	2206.0	2945.3	4212.0	4456.0	3603.6	2606.0	2959.6	3801.2
60°	3569.1	3738.1	3703.6	2721.5	3429.8	4764.3	5029.8	4059.6	2975.0	3310.8	3790.5
62.5°	3247.7	3416.7	3681.0	3319.1	3896.5	5264.3	5488.2	4539.3	3341.7	3031.0	3183.4
65°	2756.0	2966.7	3245.3	2883.4	3814.3	5279.8	5509.6	4557.2	3117.9	2240.5	2257.2
67.5°	2375.0	2561.9	2904.8	2453.6	3381.0	4808.4	4989.3	4065.5	2577.4	1485.7	1472.6
70°	1982.2	2153.6	2586.9	2184.5	2961.9	4144.1	3988.1	3417.9	2178.6	986.9	817.9
72.5°	1689.3	1847.6	2298.8	1963.1	2350.0	3358.4	2748.8	2835.7	1772.6	627.4	557.1
75°	1397.6	1542.9	1954.8	1777.4	1944.1	2095.3	1900.0	2014.3	1460.7	532.1	429.8
77.5°	981.0	1071.4	1371.4	1414.3	1513.1	1240.5	1204.8	1410.7	1039.3	264.3	181.0
80°	483.3	539.3	715.5	841.7	715.5	703.6	802.4	939.3	539.3	161.9	100.0
82.5°	216.7	257.1	329.8	509.5	258.3	281.0	354.8	500.0	245.2	96.4	42.9
85°	34.5	38.1	64.3	85.7	70.2	108.3	103.6	97.6	52.4	26.2	11.9
87.5°	1.2	1.2	1.2	2.4	3.6	4.8	6.0	6.0	6.0	6.0	6.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	756.0	752.4	734.5	716.7	701.2	685.7	670.2	648.8	632.1	617.9	611.9
5°	827.4	808.3	781.0	751.2	725.0	695.2	666.7	634.5	608.3	581.0	566.7
7.5°	876.2	857.2	811.9	766.7	734.5	702.4	672.6	636.9	602.4	563.1	541.7
10°	898.8	877.4	828.6	776.2	736.9	704.8	677.4	647.6	613.1	564.3	535.7
12.5°	914.3	888.1	832.2	778.6	739.3	706.0	679.8	658.3	638.1	590.5	557.1
15°	923.8	900.0	841.7	779.8	735.7	696.4	671.4	664.3	667.9	645.2	604.8
17.5°	938.1	915.5	853.6	786.9	729.8	676.2	648.8	664.3	696.4	703.6	671.4
20°	957.2	933.3	869.1	792.9	711.9	638.1	611.9	651.2	704.8	741.7	723.8
22.5°	978.6	959.5	886.9	798.8	685.7	588.1	576.2	623.8	681.0	728.6	729.8
25°	1004.8	986.9	911.9	804.8	650.0	545.2	547.6	588.1	633.3	682.2	690.5
27.5°	1040.5	1023.8	942.9	811.9	613.1	510.7	522.6	552.4	583.3	613.1	625.0
30°	1079.8	1066.7	979.8	826.2	578.6	490.5	497.6	517.9	542.9	560.7	566.7
32.5°	1133.3	1111.9	1014.3	825.0	552.4	481.0	473.8	479.8	500.0	517.9	519.1
35°	1200.0	1183.3	1050.0	803.6	528.6	476.2	451.2	447.6	459.5	477.4	476.2
37.5°	1297.6	1283.3	1108.3	770.2	498.8	464.3	427.4	415.5	423.8	435.7	439.3
40°	1444.1	1407.2	1175.0	733.3	469.1	442.9	398.8	382.1	388.1	401.2	403.6
42.5°	1642.9	1572.6	1264.3	683.3	440.5	410.7	370.2	352.4	356.0	367.9	370.2
45°	1897.6	1791.7	1386.9	631.0	417.9	377.4	340.5	321.4	325.0	338.1	344.1
47.5°	2195.3	2050.0	1515.5	575.0	404.8	351.2	310.7	296.4	304.8	317.9	320.2
50°	2546.5	2400.0	1597.6	529.8	396.4	331.0	283.3	277.4	288.1	298.8	301.2
52.5°	2929.8	2721.5	1545.3	492.9	389.3	323.8	264.3	266.7	275.0	285.7	289.3
55°	3302.4	2839.3	1371.4	445.2	381.0	328.6	250.0	256.0	266.7	275.0	277.4
57.5°	3545.3	2740.5	1104.8	395.2	371.4	332.1	242.9	247.6	259.5	269.1	270.2
60°	3333.4	2523.8	827.4	352.4	351.2	326.2	240.5	233.3	250.0	258.3	259.5
62.5°	2731.0	2064.3	528.6	311.9	313.1	313.1	239.3	209.5	231.0	238.1	236.9
65°	*1876.2*	*1459.5*	*327.4*	*254.8*	*266.7*	*284.5*	*232.1*	*184.5*	*209.5*	*216.7*	*214.3*
67.5°	1233.3	927.4	202.4	196.4	219.1	246.4	217.9	165.5	188.1	192.9	185.7
70°	669.1	436.9	133.3	128.6	171.4	194.0	184.5	148.8	167.9	172.6	165.5
72.5°	441.7	251.2	94.0	94.0	134.5	135.7	151.2	133.3	148.8	153.6	146.4
75°	332.1	161.9	65.5	72.6	85.7	106.0	108.3	111.9	126.2	132.1	125.0
77.5°	152.4	59.5	39.3	53.6	59.5	81.0	69.0	83.3	94.0	96.4	90.5
80°	88.1	33.3	26.2	34.5	38.1	66.7	40.5	50.0	66.7	70.2	63.1
82.5°	36.9	16.7	17.9	21.4	22.6	36.9	28.6	32.1	44.0	42.9	38.1
85°	10.7	10.7	11.9	13.1	13.1	21.4	20.2	19.0	20.2	20.2	16.7
87.5°	7.1	7.1	7.1	8.3	8.3	9.5	10.7	11.9	11.9	11.9	10.7
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	603.6	592.9	577.4	575.0	566.7	560.7	566.7	572.6	583.3	584.5	589.3
5°	553.6	528.6	509.5	488.1	477.4	476.2	473.8	481.0	496.4	506.0	513.1
7.5°	520.2	475.0	441.7	411.9	401.2	392.9	400.0	398.8	419.1	427.4	434.5
10°	502.4	439.3	389.3	352.4	338.1	329.8	328.6	331.0	342.9	351.2	359.5
12.5°	514.3	425.0	351.2	308.3	292.9	283.3	275.0	275.0	277.4	288.1	291.7
15°	553.6	433.3	333.3	286.9	266.7	251.2	240.5	232.1	233.3	234.5	238.1
17.5°	610.7	454.8	327.4	273.8	252.4	233.3	222.6	213.1	210.7	210.7	209.5
20°	665.5	471.4	322.6	263.1	235.7	219.1	209.5	201.2	197.6	197.6	197.6
22.5°	688.1	485.7	316.7	250.0	219.1	203.6	195.2	189.3	188.1	188.1	186.9
25°	670.2	481.0	309.5	236.9	203.6	191.7	184.5	178.6	177.4	178.6	177.4
27.5°	614.3	464.3	300.0	226.2	191.7	181.0	175.0	169.0	167.9	169.0	169.0
30°	554.8	435.7	284.5	217.9	182.1	170.2	164.3	158.3	158.3	159.5	160.7
32.5°	507.1	407.1	266.7	207.1	171.4	160.7	154.8	148.8	148.8	151.2	151.2
35°	466.7	384.5	248.8	196.4	161.9	150.0	145.2	140.5	139.3	141.7	142.9
37.5°	434.5	364.3	229.8	185.7	152.4	141.7	136.9	131.0	129.8	132.1	134.5
40°	401.2	341.7	213.1	172.6	142.9	132.1	127.4	120.2	120.2	122.6	125.0
42.5°	369.1	321.4	202.4	160.7	133.3	121.4	116.7	110.7	110.7	113.1	115.5
45°	342.9	302.4	196.4	148.8	122.6	111.9	106.0	101.2	102.4	104.8	107.1
47.5°	317.9	282.1	197.6	142.9	115.5	101.2	95.2	91.7	94.0	97.6	100.0
50°	298.8	267.9	198.8	133.3	106.0	92.9	86.9	84.5	88.1	91.7	94.0
52.5°	286.9	253.6	191.7	121.4	98.8	84.5	81.0	81.0	84.5	86.9	89.3
55°	275.0	229.8	176.2	108.3	91.7	78.6	76.2	76.2	79.8	82.1	83.3
57.5°	265.5	204.8	158.3	97.6	83.3	72.6	72.6	72.6	73.8	75.0	77.4
60°	247.6	178.6	135.7	89.3	75.0	67.9	66.7	66.7	65.5	66.7	70.2
62.5°	216.7	150.0	115.5	79.8	67.9	61.9	60.7	57.1	53.6	54.8	57.1
65°	*183.3*	*119.0*	*96.4*	*69.0*	*58.3*	*54.8*	*53.6*	*47.6*	*42.9*	*44.0*	*47.6*
67.5°	146.4	89.3	81.0	59.5	50.0	46.4	46.4	42.9	39.3	39.3	41.7
70°	114.3	75.0	60.7	47.6	39.3	39.3	41.7	38.1	33.3	33.3	36.9
72.5°	92.9	60.7	48.8	36.9	31.0	33.3	34.5	31.0	27.4	27.4	29.8
75°	72.6	47.6	38.1	27.4	23.8	25.0	27.4	25.0	21.4	22.6	23.8
77.5°	50.0	32.1	25.0	20.2	17.9	19.0	19.0	17.9	16.7	16.7	17.9
80°	33.3	21.4	16.7	14.3	13.1	13.1	11.9	11.9	13.1	13.1	14.3
82.5°	23.8	15.5	13.1	10.7	8.3	8.3	9.5	9.5	10.7	10.7	11.9
85°	14.3	10.7	9.5	7.1	6.0	7.1	7.1	8.3	9.5	9.5	10.7
87.5°	10.7	8.3	7.1	6.0	4.8	4.8	6.0	6.0	7.1	8.3	8.3
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: P1365368
CATALOG NUMBER: GSS-SB1B-735-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2	670.2
2.5°	601.2	615.5	635.7	653.6	675.0	696.4	716.7	735.7	736.9	738.1
5°	535.7	564.3	597.6	638.1	681.0	722.6	766.7	802.4	810.7	815.5
7.5°	463.1	504.8	556.0	613.1	677.4	741.7	803.6	857.2	877.4	882.2
10°	386.9	438.1	500.0	573.8	660.7	746.4	829.8	895.2	919.1	923.8
12.5°	319.1	360.7	432.1	521.4	626.2	739.3	839.3	911.9	935.7	941.7
15°	260.7	300.0	366.7	460.7	578.6	714.3	832.2	915.5	939.3	944.1
17.5°	215.5	240.5	301.2	403.6	535.7	682.2	822.6	917.9	940.5	944.1
20°	197.6	202.4	234.5	334.5	490.5	658.3	816.7	921.4	944.1	947.6
22.5°	189.3	189.3	196.4	254.8	427.4	633.3	814.3	932.2	948.8	952.4
25°	181.0	181.0	183.3	200.0	352.4	602.4	819.1	951.2	961.9	961.9
27.5°	172.6	172.6	175.0	178.6	261.9	551.2	820.2	972.6	977.4	973.8
30°	164.3	166.7	166.7	169.0	192.9	486.9	813.1	996.4	996.4	989.3
32.5°	156.0	157.1	159.5	160.7	167.9	403.6	801.2	1026.2	1020.2	1010.7
35°	148.8	150.0	150.0	152.4	159.5	322.6	788.1	1066.7	1050.0	1039.3
37.5°	139.3	140.5	141.7	144.0	151.2	256.0	769.1	1101.2	1089.3	1075.0
40°	131.0	132.1	133.3	135.7	142.9	220.2	745.2	1153.6	1151.2	1134.5
42.5°	121.4	123.8	125.0	126.2	135.7	201.2	728.6	1238.1	1238.1	1217.9
45°	113.1	115.5	115.5	117.9	131.0	184.5	765.5	1354.8	1364.3	1345.3
47.5°	106.0	107.1	107.1	108.3	123.8	170.2	864.3	1533.4	1521.4	1508.4
50°	98.8	101.2	98.8	100.0	117.9	178.6	1027.4	1761.9	1792.9	1770.3
52.5°	94.0	95.2	90.5	90.5	109.5	189.3	1160.7	2053.6	2157.2	2129.8
55°	88.1	89.3	83.3	83.3	96.4	164.3	1169.1	2385.7	2613.1	2631.0
57.5°	82.1	82.1	77.4	76.2	83.3	133.3	1036.9	2642.9	3158.4	3198.8
60°	75.0	73.8	71.4	69.0	76.2	122.6	790.5	2608.4	3428.6	3569.1
62.5°	64.3	66.7	65.5	60.7	69.0	114.3	515.5	2257.2	3123.8	3247.7
65°	*53.6*	*57.1*	*57.1*	*53.6*	*76.2*	*100.0*	*271.4*	*1807.2*	*2607.2*	*2756.0*
67.5°	47.6	50.0	48.8	46.4	67.9	63.1	131.0	1385.7	2232.2	2375.0
70°	41.7	44.0	40.5	38.1	54.8	45.2	77.4	927.4	1842.9	1982.2
72.5°	34.5	36.9	33.3	29.8	40.5	34.5	51.2	603.6	1534.5	1689.3
75°	28.6	29.8	27.4	23.8	29.8	27.4	35.7	394.1	1283.3	1397.6
77.5°	20.2	22.6	21.4	17.9	21.4	19.0	25.0	225.0	895.2	981.0
80°	15.5	15.5	15.5	14.3	13.1	13.1	16.7	101.2	434.5	483.3
82.5°	13.1	13.1	11.9	10.7	9.5	8.3	9.5	29.8	204.8	216.7
85°	11.9	9.5	8.3	7.1	6.0	3.6	3.6	8.3	41.7	34.5
87.5°	7.1	6.0	4.8	2.4	1.2	1.2	0.0	1.2	1.2	1.2
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

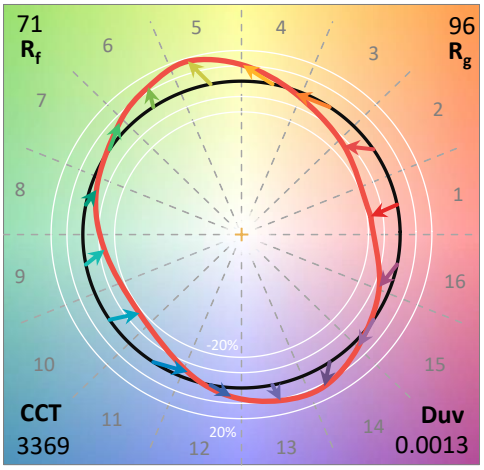
Test Information

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

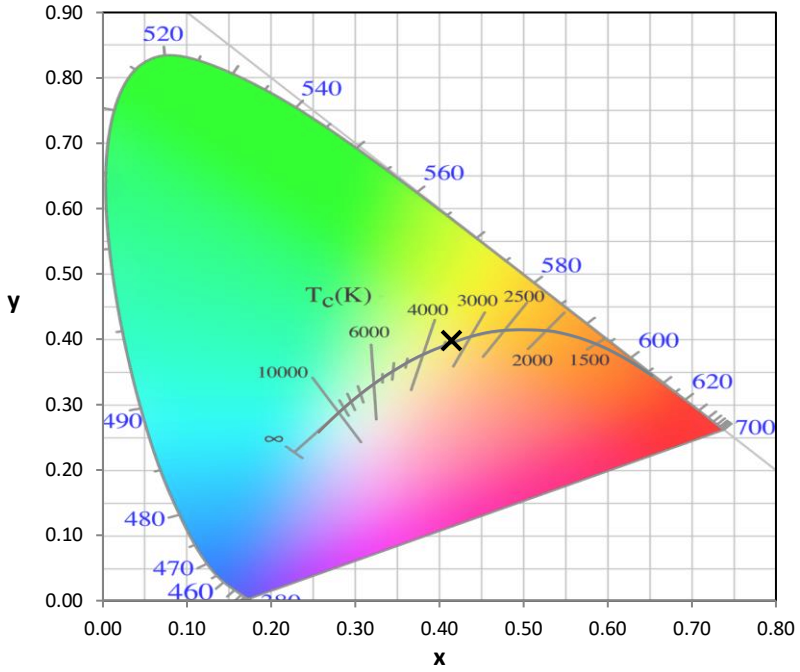
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

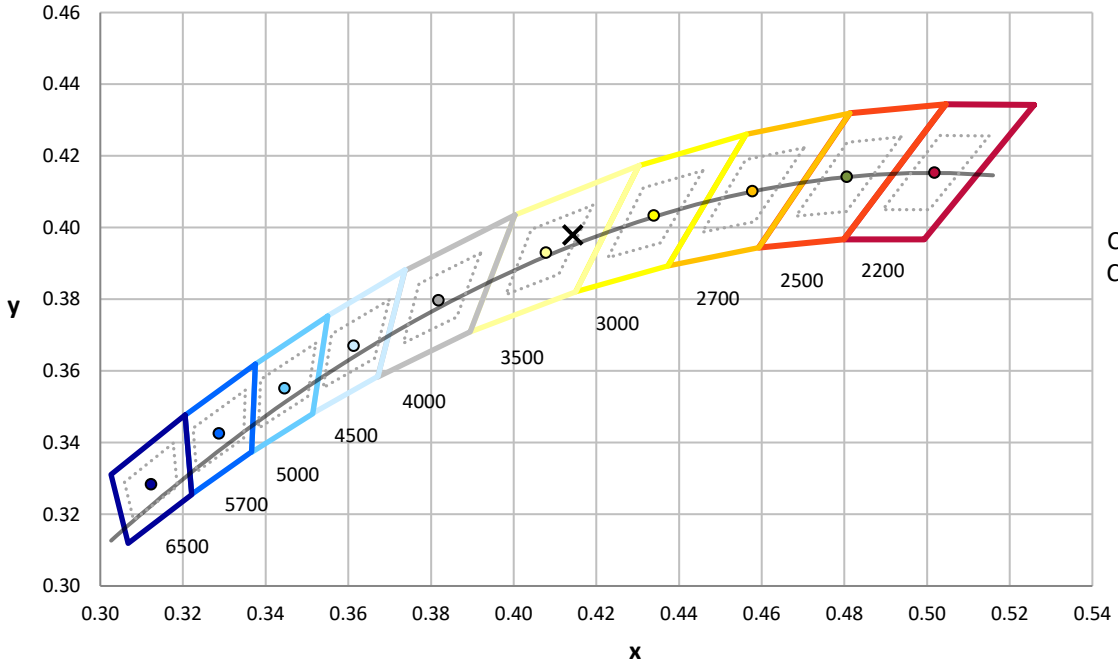
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

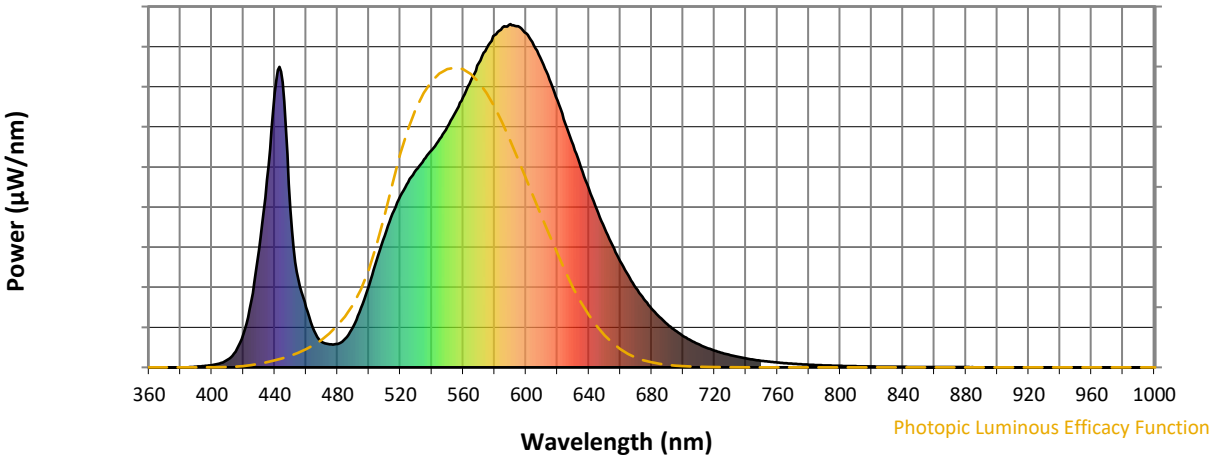


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

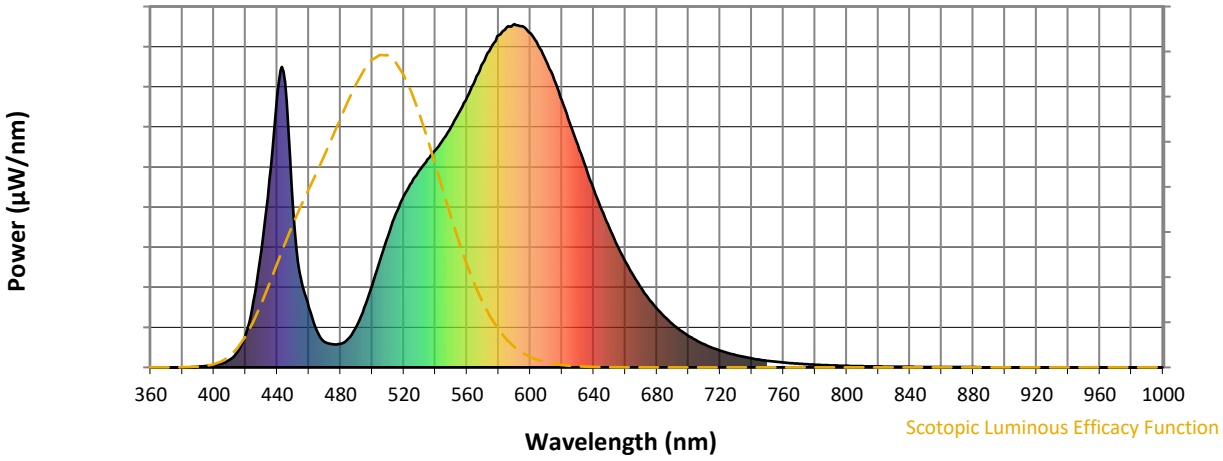


Photopic Lumens: NR

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

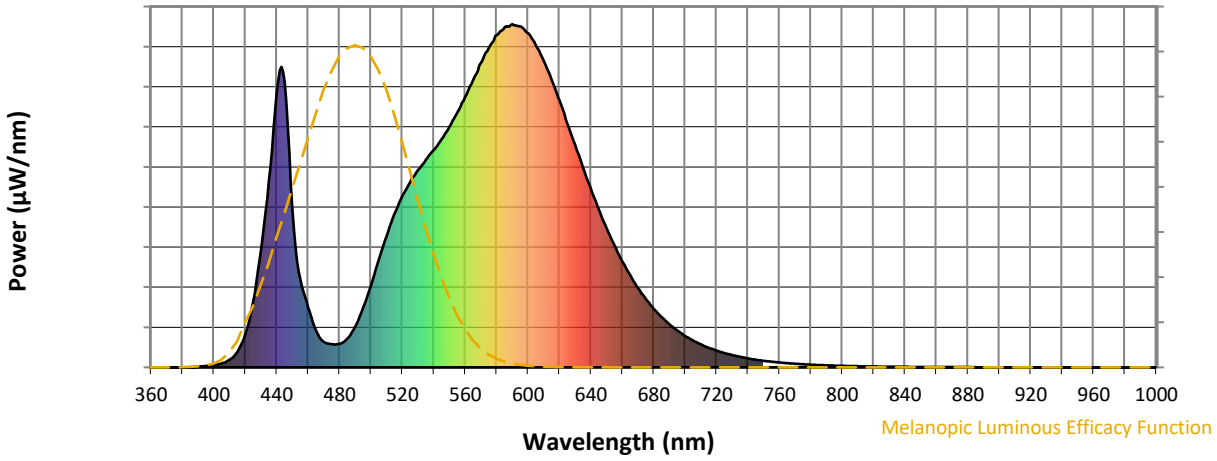


Scotopic Lumens: NR **S/P: 1.29**

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			

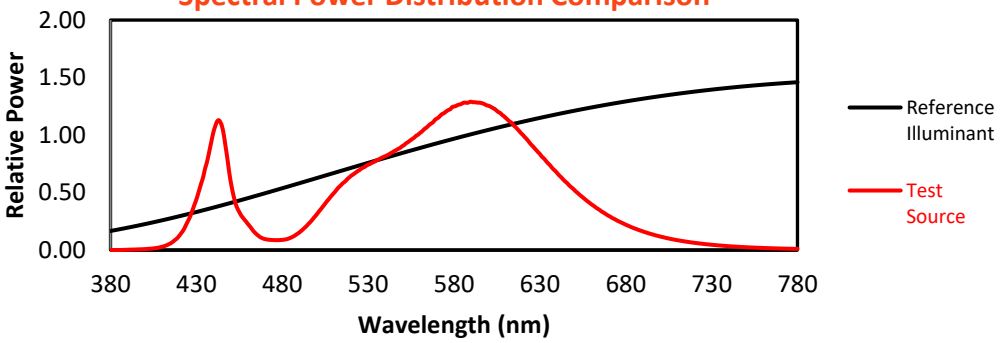
REPORT NUMBER: SP1-2407-184-5

TM-30-18

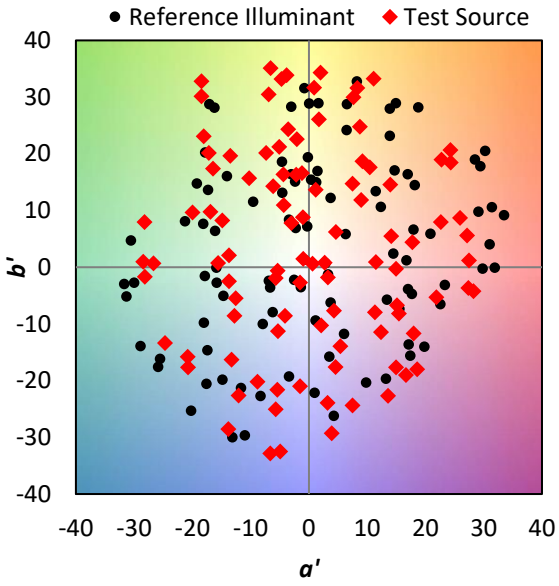
Summary

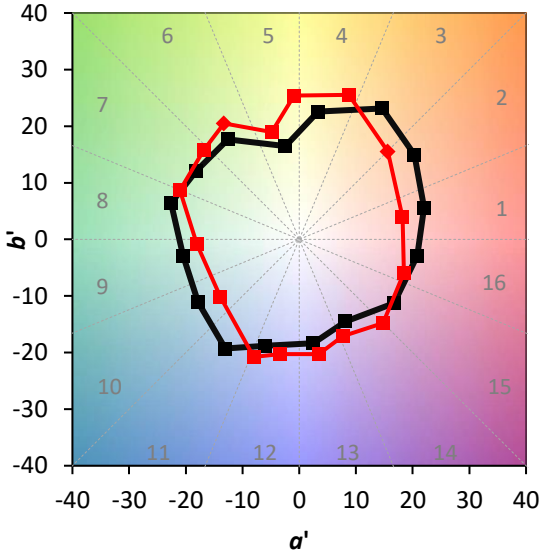
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R_g = 96
CIE R_a = 70.1
R_9 = -40.2

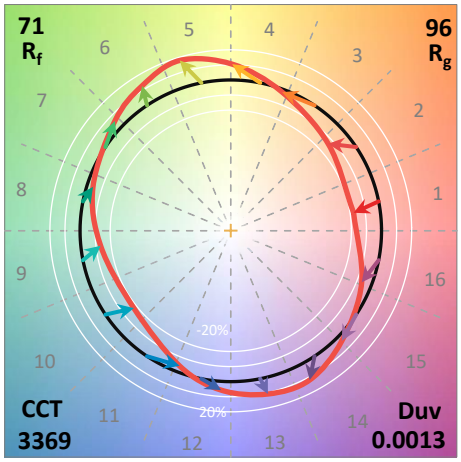
Spectral Power Distribution Comparison

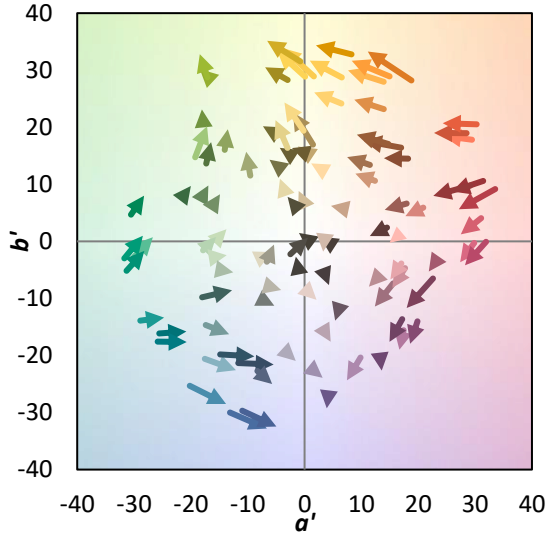


Color Vector Graphics







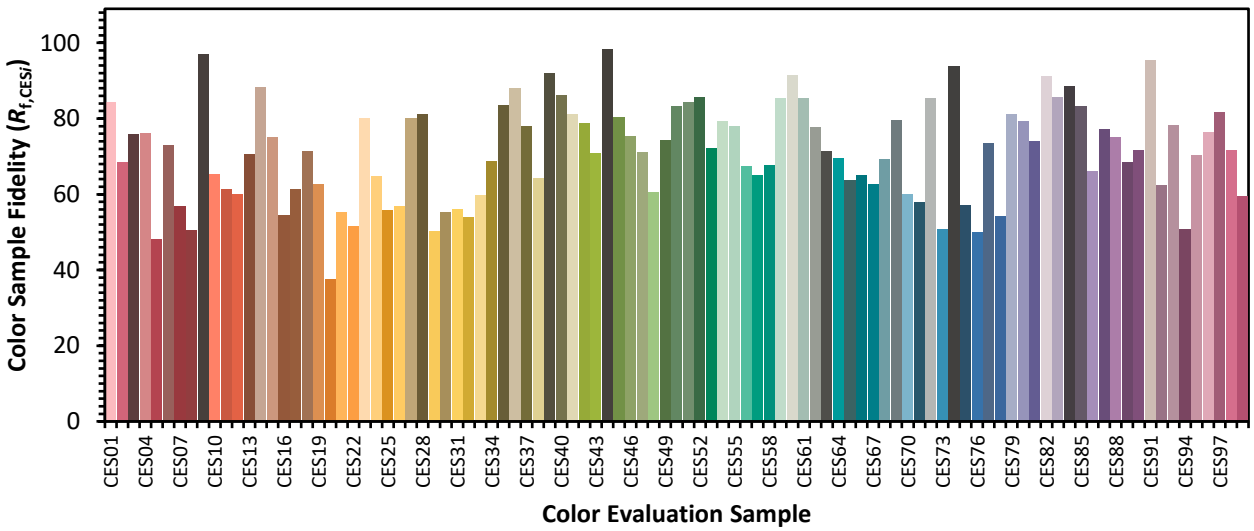


REPORT NUMBER: SP1-2407-184-5

TM-30-18

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

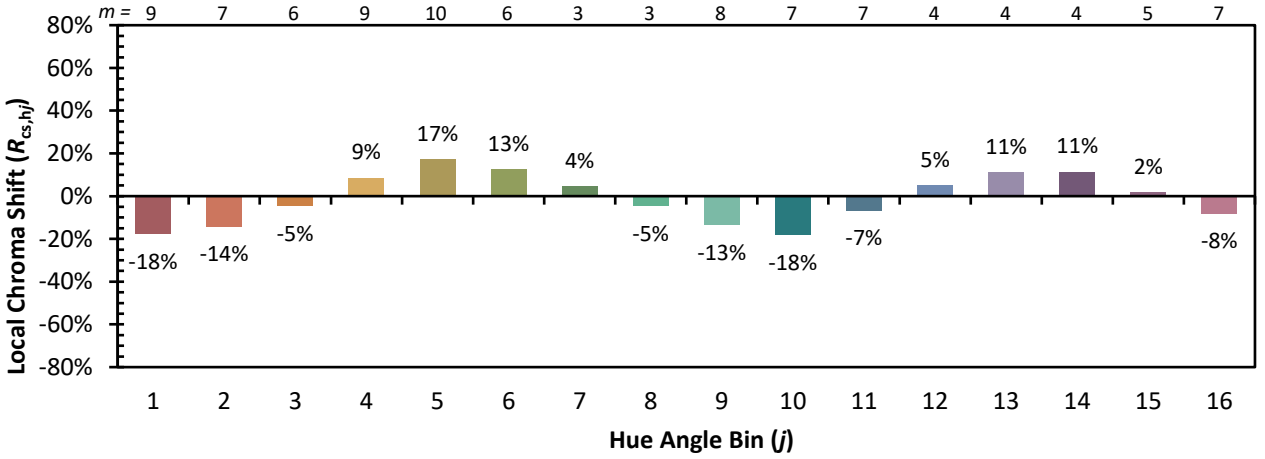
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CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 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	

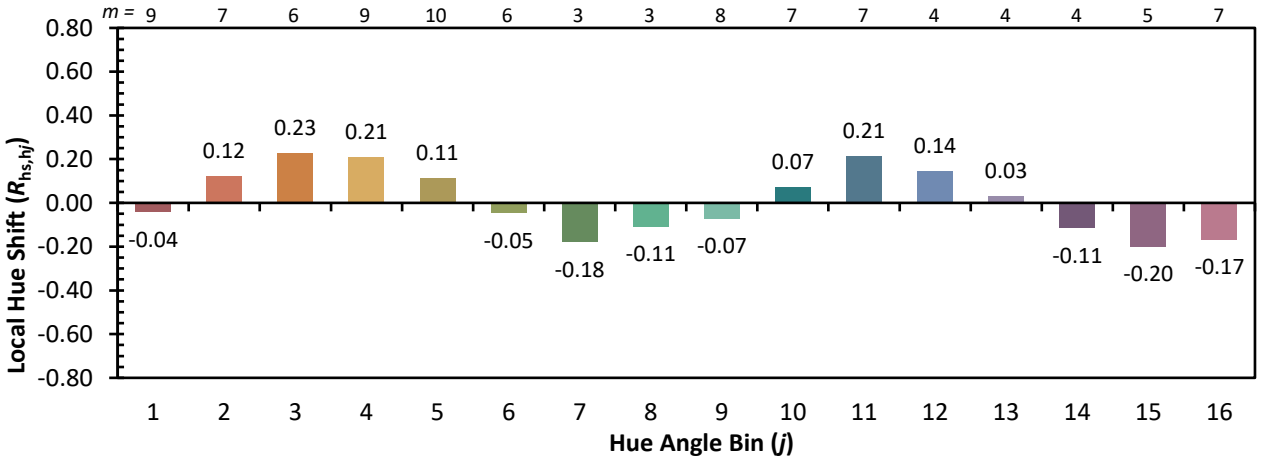


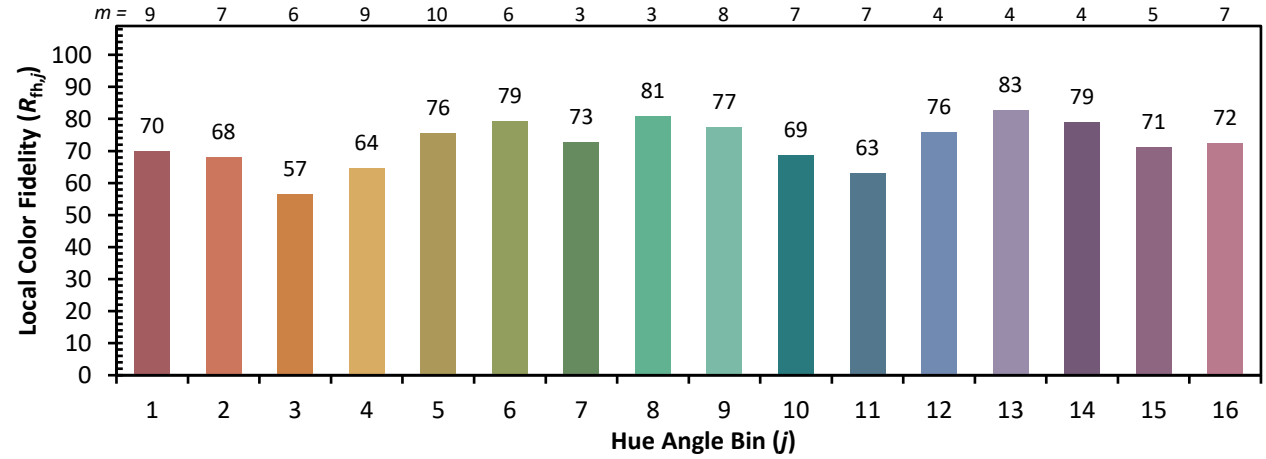
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Color Rendition by Hue-Angle Bin



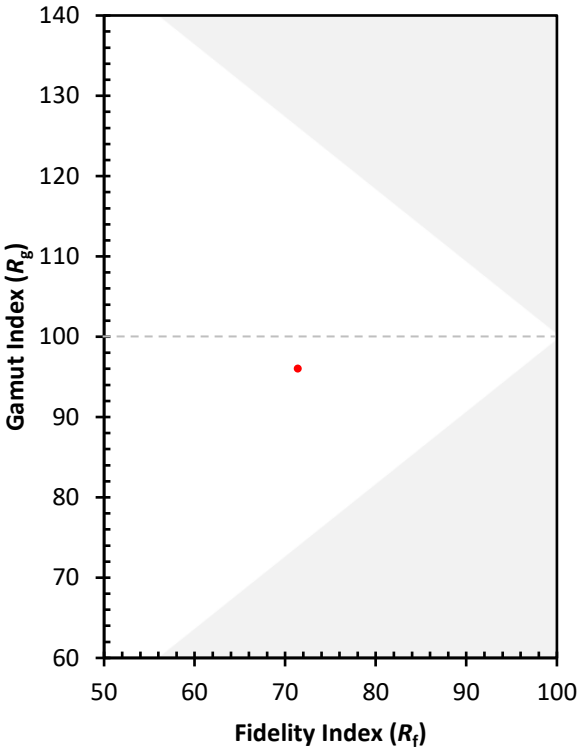


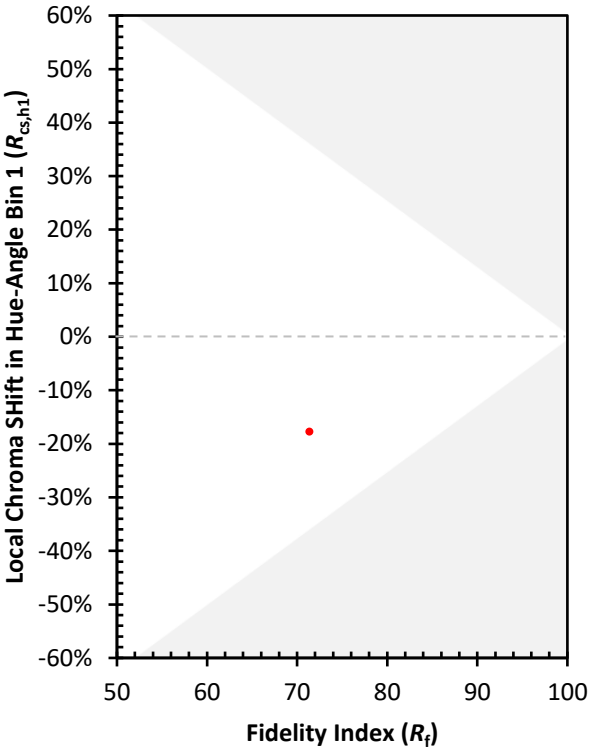


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Measure Comparisons





(END OF REPORT)