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: STREETWORKS

Report Number: P1065137

Luminaire Tested: **GLAN-SA2A-722-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1065137
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA2A-722-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE 70CRI 2200K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(28) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4881.8 lumens
Efficiency:	N/A
Efficacy:	87.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	55.8
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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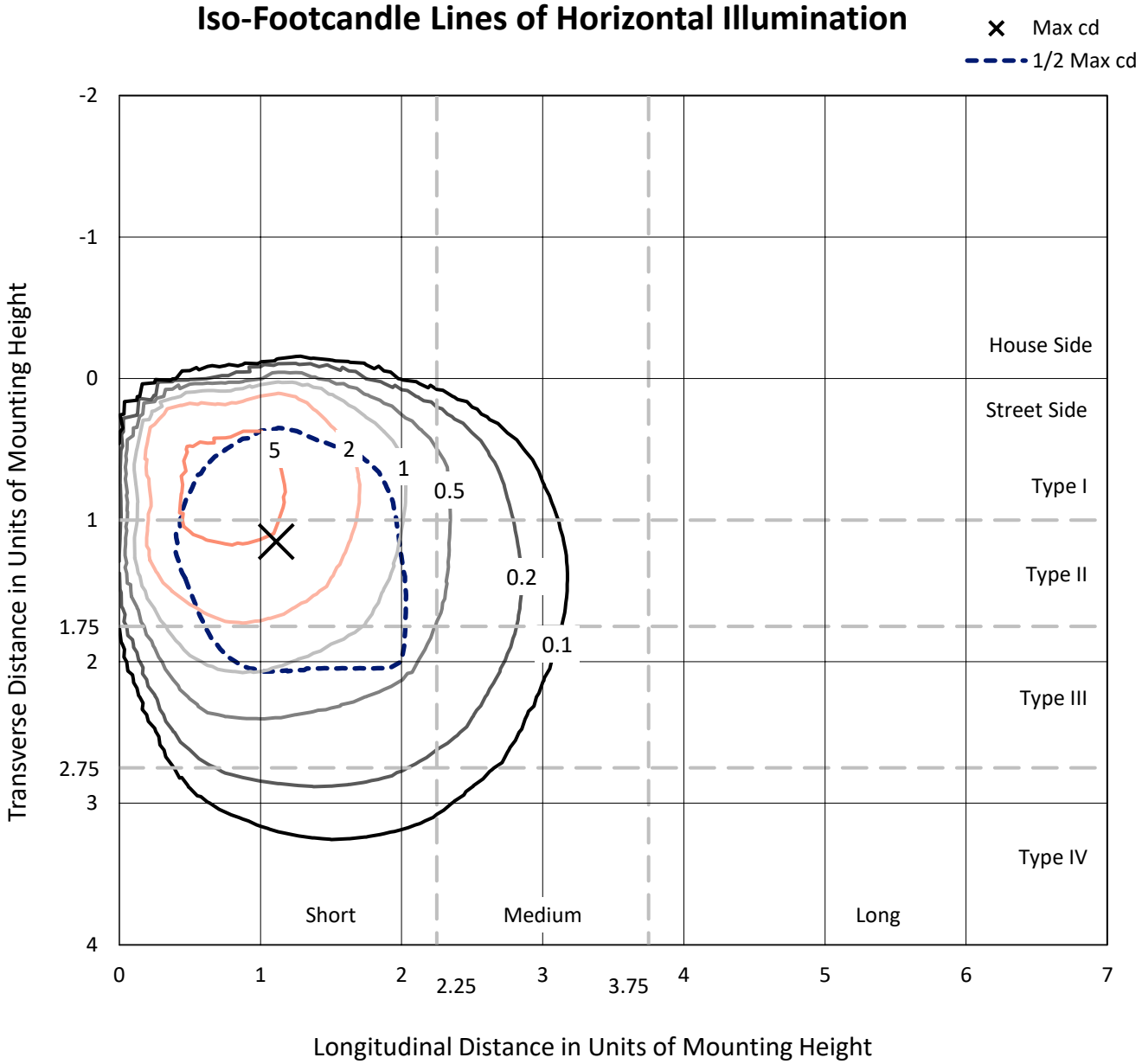
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Short - N/A

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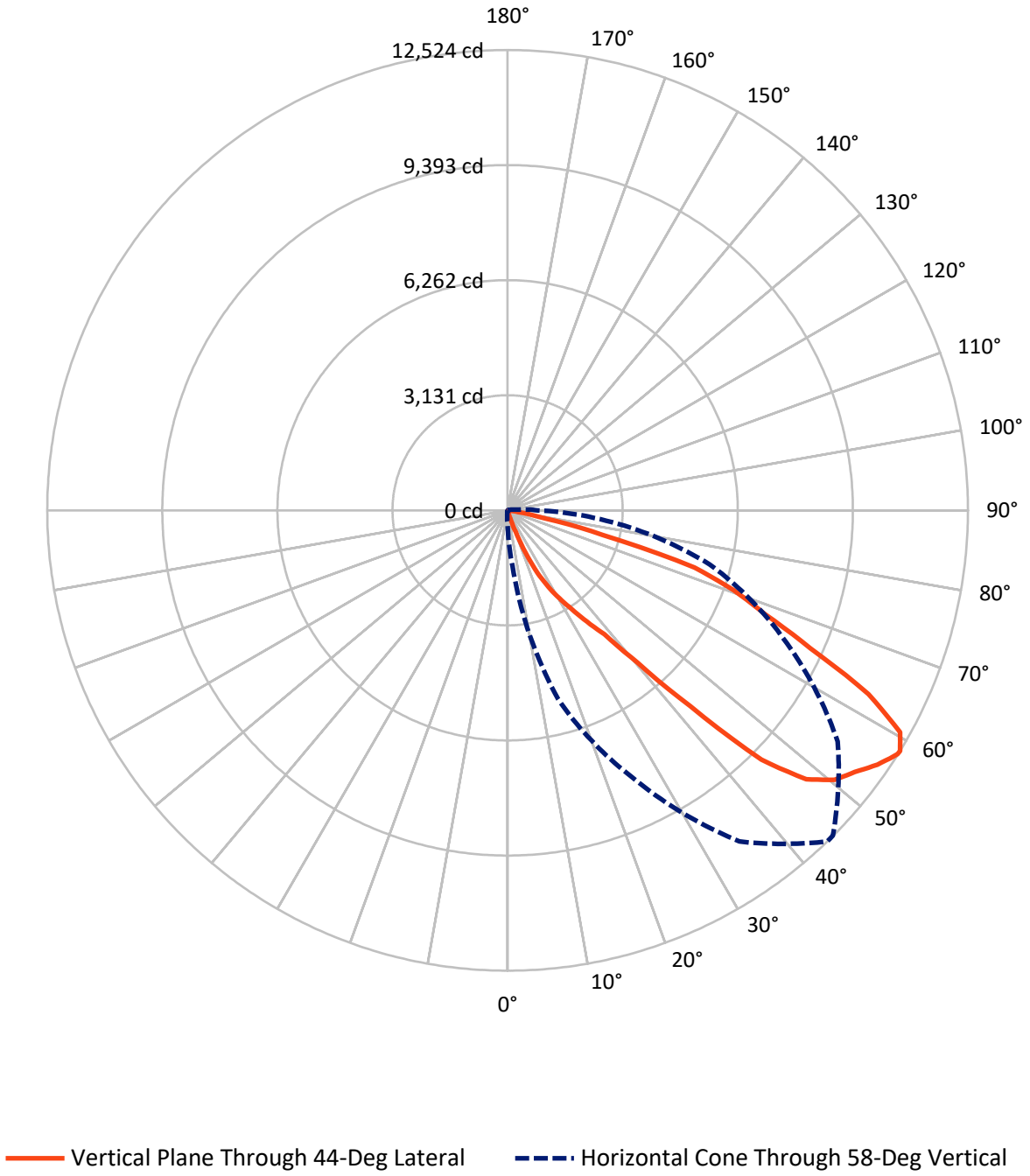
Luminous Intensity Polar Plot



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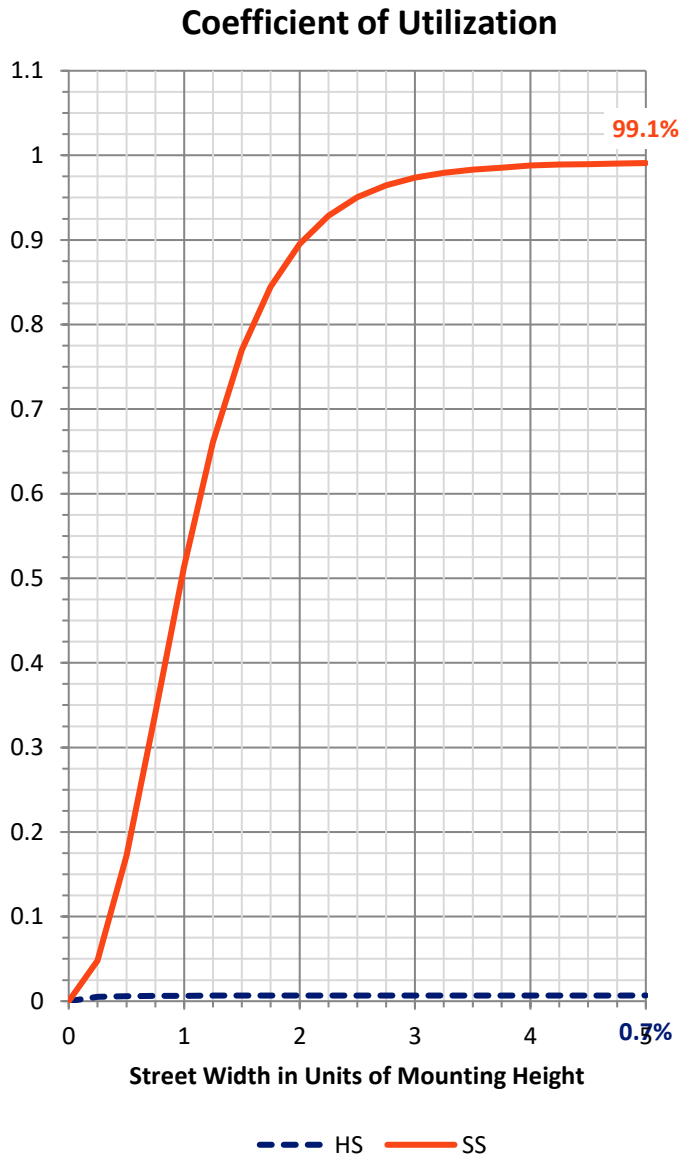
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.3	0.0	33.3
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	4848.5	0.0	4848.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	4881.8	0.0	4881.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.0
10°-20°	10.7	0.2
20°-30°	115.7	2.4
30°-40°	342.0	7.0
40°-50°	1019.4	20.9
50°-60°	1617.5	33.1
60°-70°	1349.2	27.6
70°-80°	416.1	8.5
80°-90°	9.2	0.2
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°	4881.8	100.0
0°-180°	4881.8	100.0



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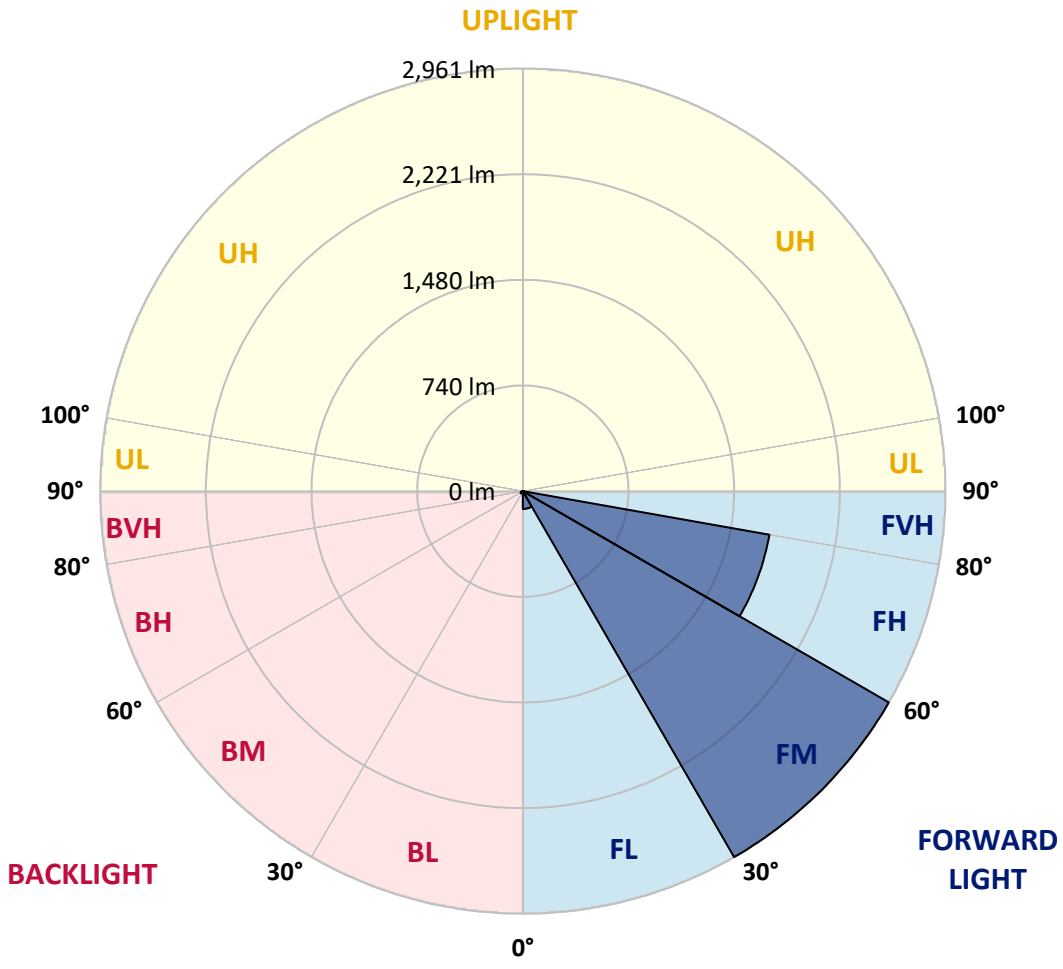
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	125.0	2.6			
FM	(30°-60°)	2960.7	60.6			
FH	(60°-80°)	1754.0	35.9			G1/1800
FVH	(80°-90°)	8.8	0.2			G0/10
BL	(0°-30°)	3.3	0.1	B0/110		
BM	(30°-60°)	18.2	0.4	B0/220		
BH	(60°-80°)	11.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	21.4	21.4	21.4	21.4	21.4	*21.4*	21.4	21.4	21.4	21.4	21.4
2.5°	27.7	27.7	26.6	25.1	23.6	*22.1*	21.8	21.0	20.7	20.3	19.9
5°	28.8	28.8	28.4	27.3	25.8	*24.7*	24.7	23.6	22.9	22.1	21.4
7.5°	29.5	29.9	30.6	30.2	29.5	*28.4*	28.4	27.7	26.6	24.7	23.6
10°	30.6	31.7	33.2	33.9	34.3	*34.3*	33.9	33.6	31.7	29.1	26.2
12.5°	31.7	33.9	37.6	41.3	43.5	*46.5*	46.1	45.4	40.6	35.0	29.9
15°	33.9	37.2	45.0	55.7	72.3	*82.6*	86.7	83.0	67.1	47.2	34.7
17.5°	36.5	42.0	65.3	116.5	191.0	*226.4*	247.8	230.5	152.7	89.6	43.5
20°	39.1	51.3	121.3	302.0	495.6	*611.4*	643.5	593.4	380.9	170.7	64.5
22.5°	43.5	71.9	246.0	624.3	1068.0	*1241.7*	1274.5	1114.1	719.5	337.1	97.0
25°	52.7	104.4	424.1	1017.5	1593.9	*1887.0*	1873.4	1663.2	1167.2	538.4	147.5
27.5°	66.0	151.9	641.3	1445.6	2097.6	*2356.1*	2387.1	2127.1	1555.9	791.8	209.5
30°	85.2	210.6	874.4	1788.6	2501.4	*2781.0*	2786.1	2517.3	1903.6	1014.1	285.4
32.5°	103.6	265.9	1078.3	2120.1	2899.3	*3205.8*	3228.7	2897.9	2163.3	1245.7	351.4
35°	117.6	302.0	1284.8	2411.4	3300.6	*3722.8*	3721.3	3328.6	2470.8	1452.6	442.9
37.5°	118.7	338.2	1471.8	2709.4	3808.7	*4281.5*	4328.4	3895.4	2842.5	1708.6	555.0
40°	116.2	378.7	1708.6	3174.1	4724.4	*5449.8*	5491.1	4945.3	3588.2	2146.7	730.2
42.5°	119.1	449.2	2092.8	4032.2	6244.9	*7286.7*	7366.4	6792.5	4959.0	3040.6	1042.5
45°	134.6	581.6	2897.9	5467.9	8412.2	*9682.3*	9655.7	8829.3	6553.9	4401.4	1660.6
47.5°	185.9	905.7	4091.2	6865.2	9797.3	*10928.4*	10951.3	9941.2	7484.7	5447.6	2492.9
50°	285.8	1385.9	5093.9	7603.8	10392.9	*11527.7*	11506.3	10339.1	7838.4	5962.8	3003.0
52.5°	371.7	1733.3	5597.0	7863.1	10469.3	*11823.8*	11822.3	10443.8	7893.3	6007.0	3066.8
55°	393.1	1759.4	5601.0	7877.1	10640.4	*12211.4*	12260.1	10701.6	7964.5	5813.8	2826.7
57.5°	384.6	1557.7	5367.2	7958.2	10945.0	*12511.2*	12513.8	10951.3	8145.2	5695.4	2429.1
58°	*377.3*	*1526.0*	*5320.0*	*8004.3*	*10997.4*	*12523.7*	*12517.5*	*10962.7*	*8292.4*	*5691.0*	*2366.8*
60°	336.0	1325.0	5136.0	8122.0	10919.5	*12266.3*	12207.7	10713.0	8270.6	5645.6	2053.0
62.5°	264.0	1033.7	4954.9	7985.9	10085.4	*11020.2*	11044.6	9484.6	7539.7	5381.2	1683.1
65°	210.2	770.4	4577.3	7005.0	8304.9	*9049.8*	9140.6	7712.6	6293.2	4556.6	1240.9
67.5°	167.4	556.9	3839.7	5577.0	6571.6	*7553.0*	7619.0	6475.4	4875.6	3491.2	881.8
70°	136.1	376.5	2650.4	4078.7	5420.3	*6523.7*	6527.8	5379.4	3639.1	2287.5	553.2
72.5°	120.6	260.7	1538.5	2974.6	4395.1	*5315.9*	5208.6	4365.2	2796.8	1354.9	329.7
75°	104.4	173.0	754.5	1818.4	2664.8	*2682.9*	2723.8	2025.0	1398.0	644.3	197.7
77.5°	85.9	122.8	297.2	496.7	799.1	*1023.0*	1061.0	803.9	465.0	158.6	105.5
80°	59.0	58.3	80.0	152.3	228.6	*286.5*	267.4	206.9	121.7	60.8	37.6
82.5°	25.4	27.7	36.1	43.5	35.4	*34.3*	32.8	21.0	16.2	12.5	7.7
85°	8.1	7.4	7.7	7.7	6.3	*4.8*	4.8	2.2	0.0	0.0	0.0
87.5°	4.1	3.3	3.3	3.0	1.8	*0.7*	0.4	0.0	0.0	0.0	0.0
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°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
2.5°	19.5	19.5	18.8	18.1	17.7	17.0	16.6	16.2	15.9	15.5	15.1
5°	20.7	20.3	19.2	18.1	17.0	15.9	15.1	14.4	13.6	13.3	12.9
7.5°	22.5	21.8	19.5	17.7	16.2	14.8	14.0	12.9	12.2	11.1	10.7
10°	24.7	23.2	20.3	18.1	15.9	14.0	12.9	11.8	10.7	9.2	8.9
12.5°	27.7	25.1	21.4	17.7	15.1	12.9	11.8	10.3	9.2	8.1	7.4
15°	30.2	26.9	21.8	17.7	14.4	11.8	10.3	8.9	7.7	6.3	5.5
17.5°	33.9	28.4	21.4	16.6	13.3	10.3	8.9	7.7	5.9	3.7	3.0
20°	40.2	29.5	20.7	15.5	11.4	8.5	6.6	5.2	2.6	0.7	0.0
22.5°	50.2	32.5	19.9	14.0	10.0	6.6	4.4	1.8	0.0	0.0	0.0
25°	69.3	37.6	19.9	13.3	8.9	4.8	1.5	0.0	0.0	0.0	0.0
27.5°	92.2	44.6	19.9	11.4	7.0	2.6	0.0	0.0	0.0	0.0	0.0
30°	115.4	52.4	19.9	10.0	5.5	0.4	0.0	0.0	0.0	0.0	0.0
32.5°	137.6	59.0	20.3	8.5	3.7	0.0	0.0	0.0	0.0	0.0	0.0
35°	160.0	60.1	19.9	7.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	188.8	57.9	18.8	6.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	232.3	59.0	17.7	6.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	312.7	63.8	16.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	540.6	85.6	14.8	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	894.3	153.8	14.4	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1141.4	193.6	15.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1139.5	215.7	15.9	7.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
55°	1013.0	219.8	17.0	8.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	846.7	200.6	19.5	10.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0
58°	*817.2*	*191.8*	*20.3*	*10.3*	*9.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	669.7	156.4	25.8	12.9	12.9	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	462.4	136.4	29.5	16.6	13.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	327.1	123.2	32.1	17.7	10.7	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	244.5	113.6	35.4	18.1	5.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	187.3	106.6	43.5	19.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	152.7	98.5	52.7	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	126.5	88.9	50.9	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	84.1	69.0	46.5	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	29.5	27.3	36.1	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.4	3.7	5.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
2.5°	15.1	15.1	14.8	15.1	15.1	15.9	17.7	20.3	23.2	24.3	25.4
5°	12.5	12.2	11.8	11.8	11.8	12.9	14.4	17.3	20.7	22.1	22.9
7.5°	10.3	10.0	9.6	9.2	9.2	10.0	11.8	15.1	18.4	19.9	21.0
10°	8.5	7.7	7.4	7.0	7.0	7.7	9.6	12.9	16.6	18.1	19.5
12.5°	7.0	5.9	5.2	4.8	4.4	5.5	7.4	10.3	14.4	16.2	17.7
15°	4.8	3.7	2.6	2.2	1.8	3.0	4.8	8.1	12.2	14.4	15.9
17.5°	2.6	1.1	0.4	0.0	0.0	0.7	2.2	5.9	10.0	11.8	13.6
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	7.4	9.2	11.1
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.4	6.3	8.1
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.3	4.8
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.0	4.1
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: P1065137
CATALOG NUMBER: GLAN-SA2A-722-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
2.5°	26.2	25.8	25.1	24.3	24.3	24.3	25.4	26.6	27.7	27.7
5°	24.3	24.3	24.0	23.2	23.2	23.6	25.1	26.9	28.4	28.8
7.5°	22.5	23.2	22.5	22.1	22.5	22.9	24.3	26.6	28.8	29.5
10°	21.4	21.8	21.8	21.4	21.4	22.1	23.6	26.6	29.5	30.6
12.5°	19.9	20.7	20.3	20.3	20.3	21.0	22.9	26.2	30.2	31.7
15°	18.4	19.5	19.5	19.2	19.2	19.5	22.1	25.8	31.3	33.9
17.5°	17.0	18.1	18.4	17.7	17.7	18.4	21.0	25.8	32.1	36.5
20°	14.0	15.9	17.0	15.9	15.9	16.6	19.2	24.3	32.5	39.1
22.5°	11.1	12.9	14.4	14.0	14.0	14.4	17.7	23.2	32.8	43.5
25°	8.1	10.0	11.1	11.8	11.8	12.9	16.2	22.5	34.3	52.7
27.5°	4.8	7.0	8.5	9.2	9.6	11.1	15.1	21.8	36.9	66.0
30°	2.2	4.1	5.9	7.4	7.4	10.0	14.0	21.0	40.2	85.2
32.5°	0.0	1.8	3.0	5.2	5.5	8.1	12.9	20.3	45.0	103.6
35°	0.0	0.0	1.5	4.1	4.1	6.6	11.8	19.5	52.4	117.6
37.5°	0.0	0.0	0.0	3.0	3.3	5.9	11.4	19.2	53.8	118.7
40°	0.0	0.0	0.0	2.2	2.6	5.5	11.4	19.5	48.7	116.2
42.5°	0.0	0.0	0.0	1.5	1.8	5.5	11.4	20.3	43.9	119.1
45°	0.0	0.0	0.0	1.1	1.5	5.9	11.1	19.9	41.3	134.6
47.5°	0.0	0.0	0.0	1.5	2.2	5.9	10.7	19.5	41.7	185.9
50°	0.0	0.0	0.0	1.8	2.6	5.9	11.1	18.8	45.7	285.8
52.5°	0.0	0.0	0.0	1.5	2.2	6.6	12.2	18.4	49.8	371.7
55°	0.0	0.0	0.0	0.4	1.1	8.5	13.3	18.4	56.1	393.1
57.5°	0.0	0.0	0.0	0.0	0.0	9.6	15.1	19.5	66.4	384.6
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*9.6*	*15.5*	*19.5*	*67.1*	*377.3*
60°	0.0	0.0	0.0	0.0	0.0	9.6	17.0	21.8	72.3	336.0
62.5°	0.0	0.0	0.0	0.0	0.0	8.1	20.3	27.3	75.2	264.0
65°	0.0	0.0	0.0	0.0	0.0	6.6	24.0	29.9	77.4	210.2
67.5°	0.0	0.0	0.0	0.0	0.0	6.3	24.7	30.2	78.5	167.4
70°	0.0	0.0	0.0	0.0	0.0	6.6	24.3	32.5	82.2	136.1
72.5°	0.0	0.0	0.0	0.0	0.0	7.4	22.1	35.8	82.2	120.6
75°	0.0	0.0	0.0	0.0	0.0	7.7	20.7	40.2	74.9	104.4
77.5°	0.0	0.0	0.0	0.0	0.0	7.4	20.3	46.8	66.7	85.9
80°	0.7	1.1	1.1	0.7	0.7	6.3	19.9	47.6	56.8	59.0
82.5°	2.2	3.0	2.6	1.8	1.8	5.5	17.7	39.8	29.5	25.4
85°	4.1	4.8	4.8	4.1	4.1	5.2	11.1	14.4	10.0	8.1
87.5°	5.5	6.3	6.3	5.5	5.5	5.2	4.8	4.4	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

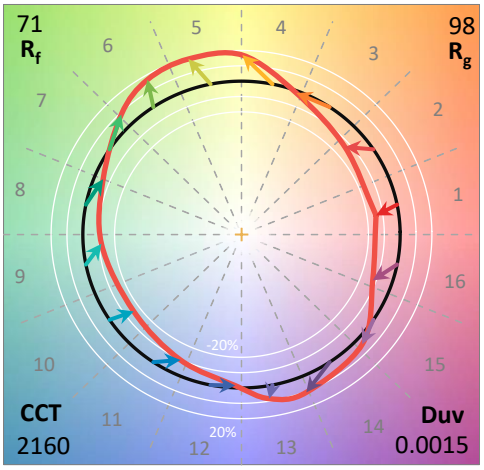
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

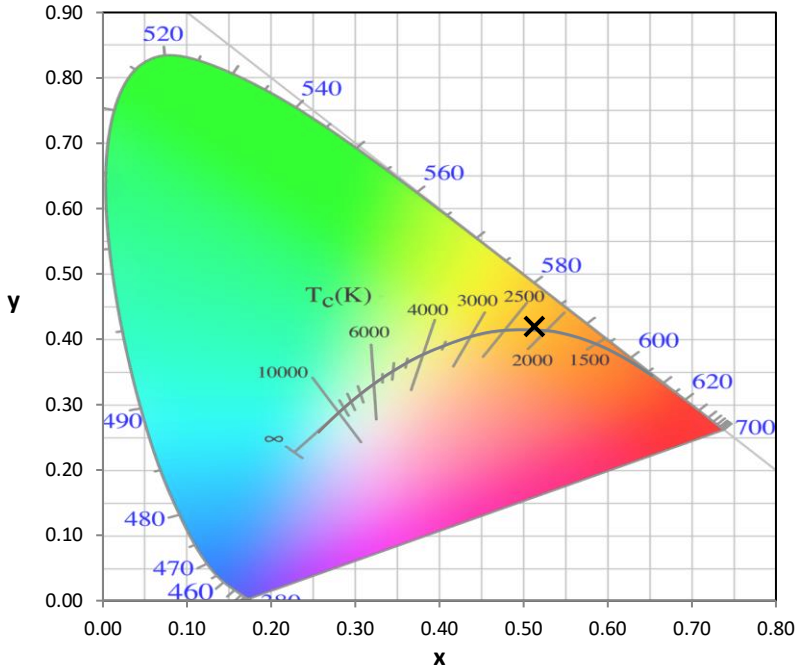
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

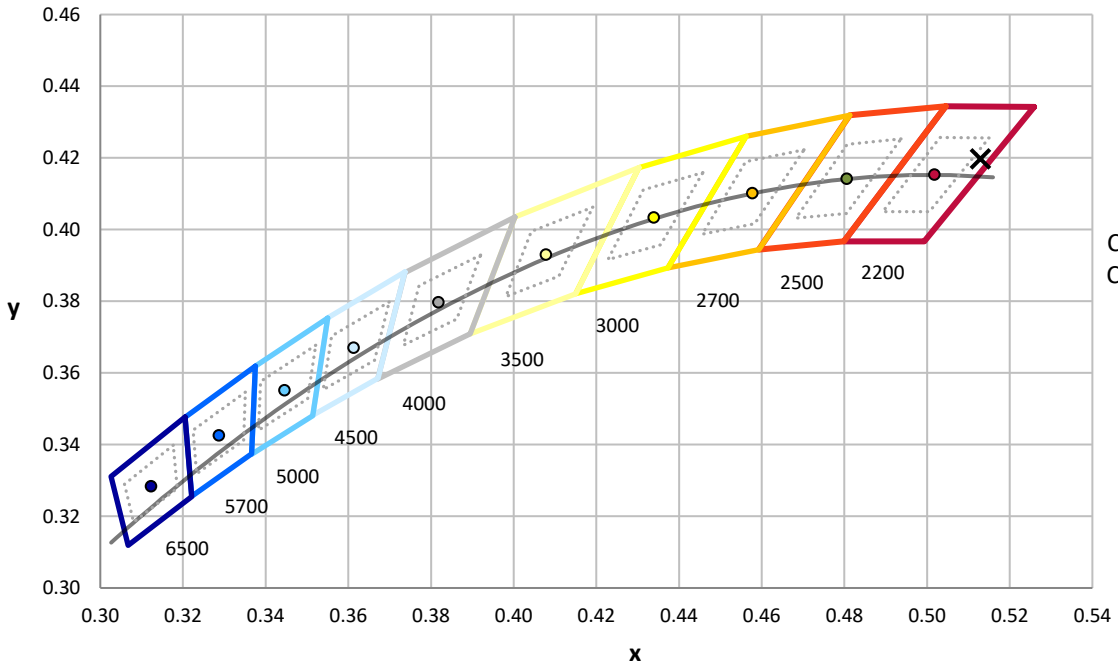
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

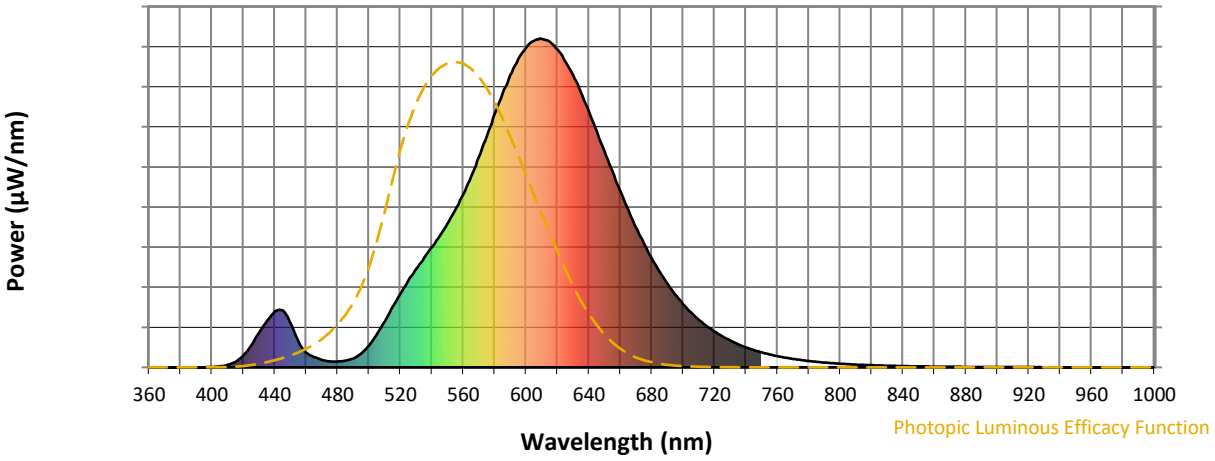


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

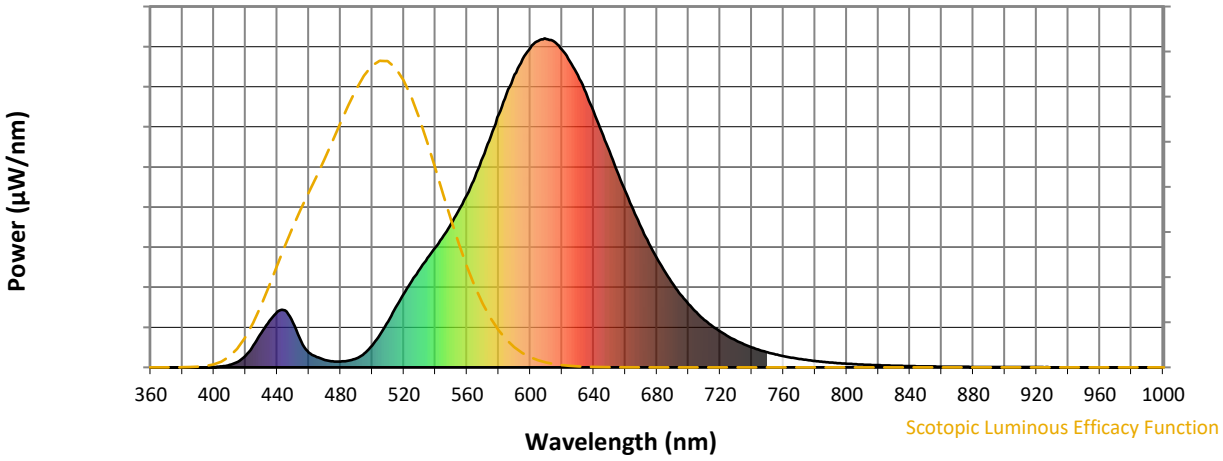


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

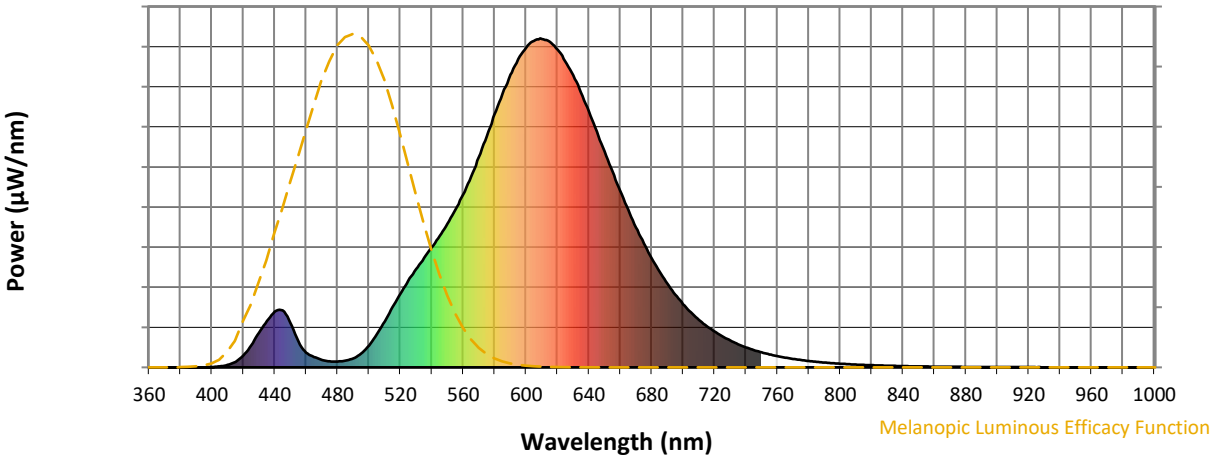


Scotopic Lumens: NR **S/P: 0.8**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

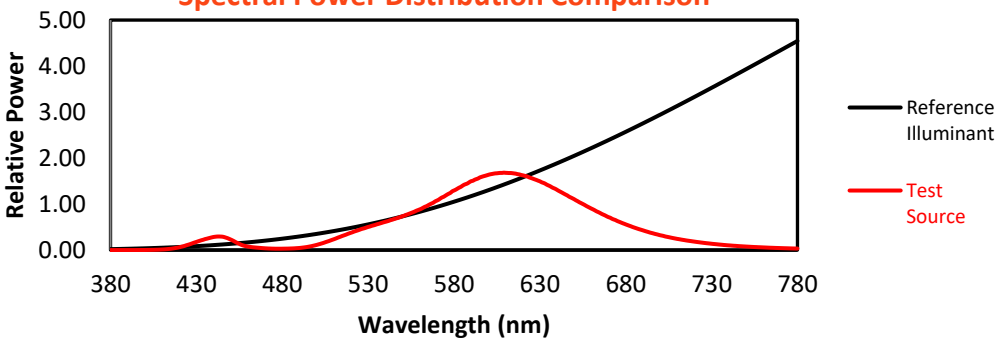
REPORT NUMBER: SP1-2407-184-2

TM-30-18

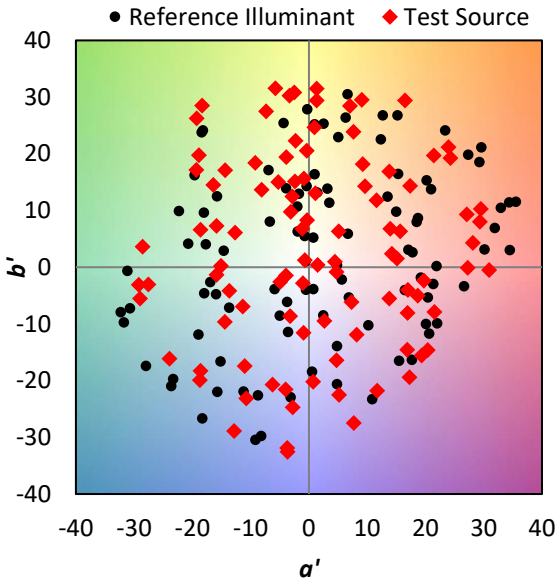
Summary

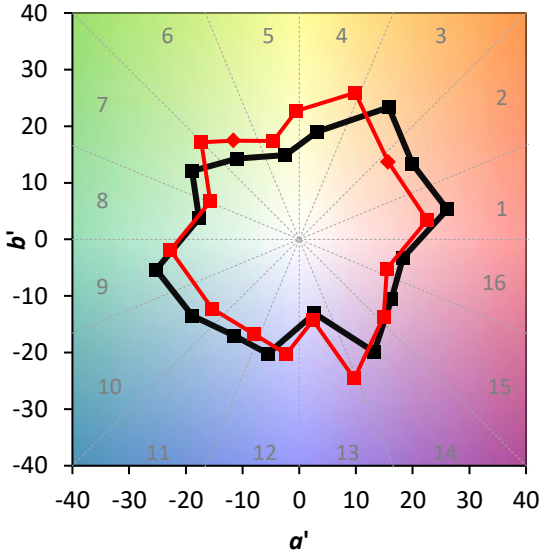
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

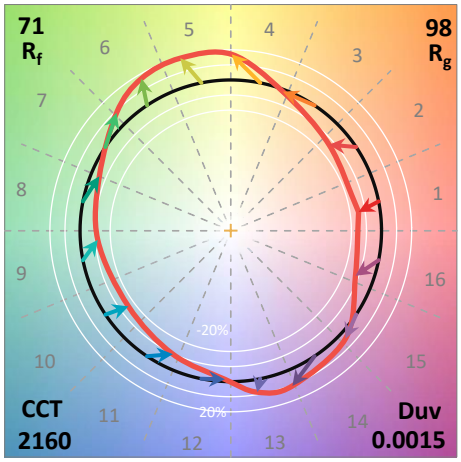
Spectral Power Distribution Comparison

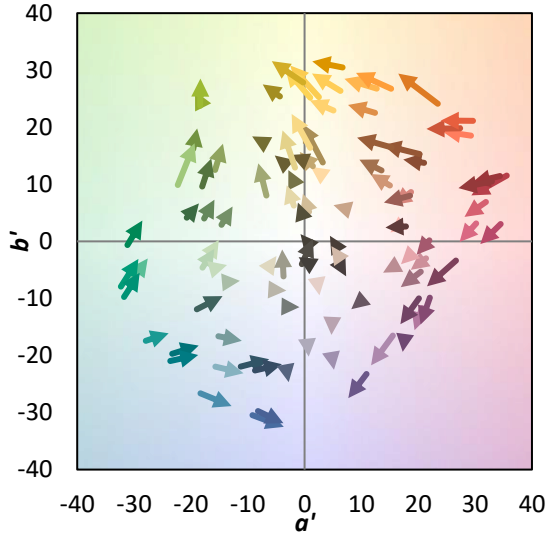


Color Vector Graphics







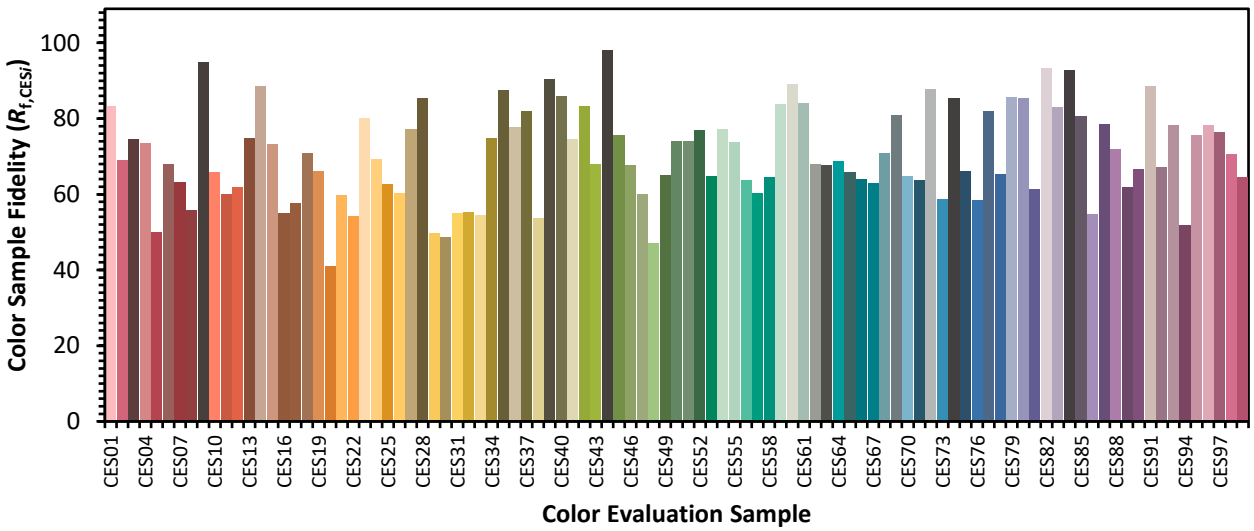


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



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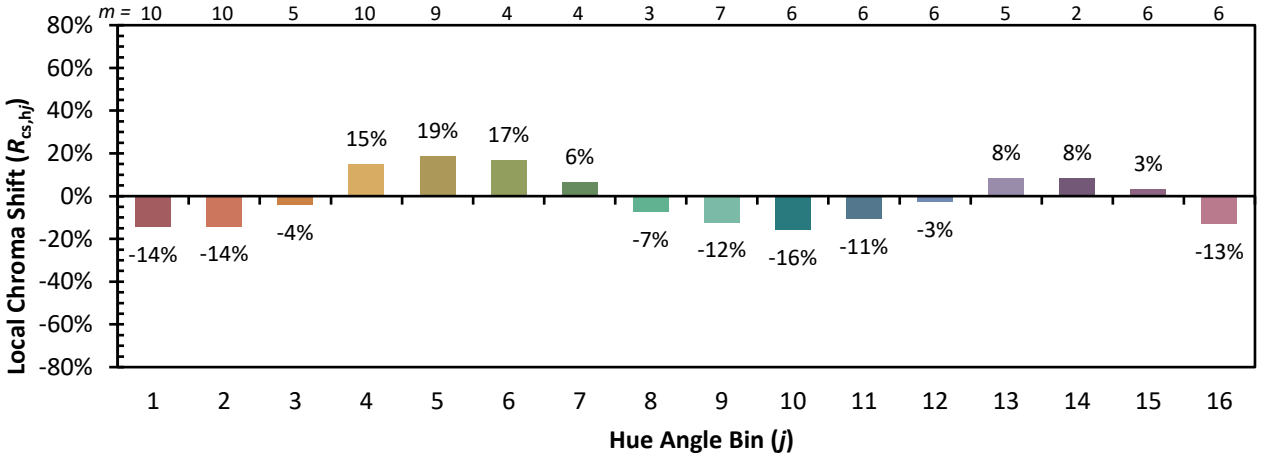
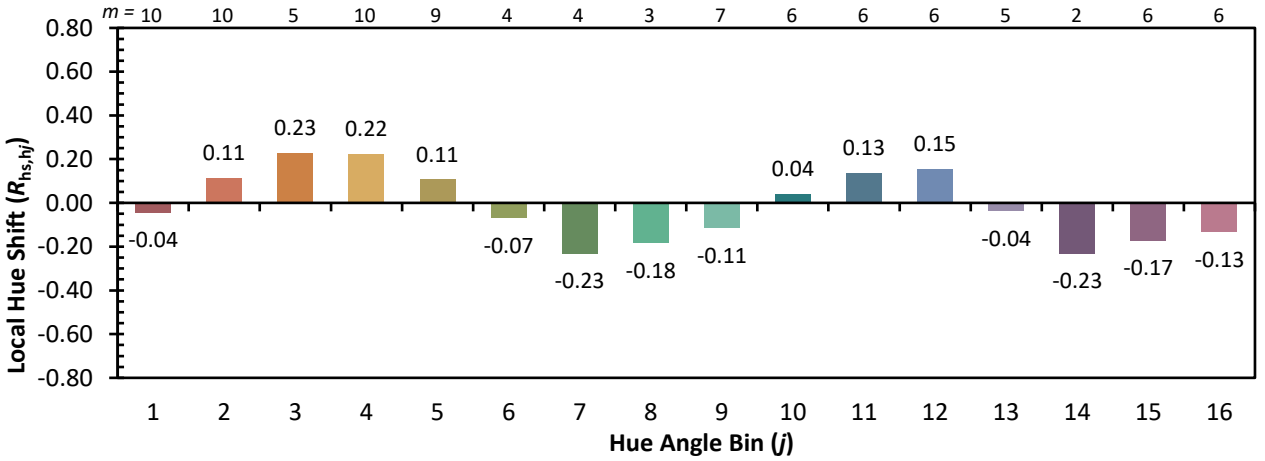
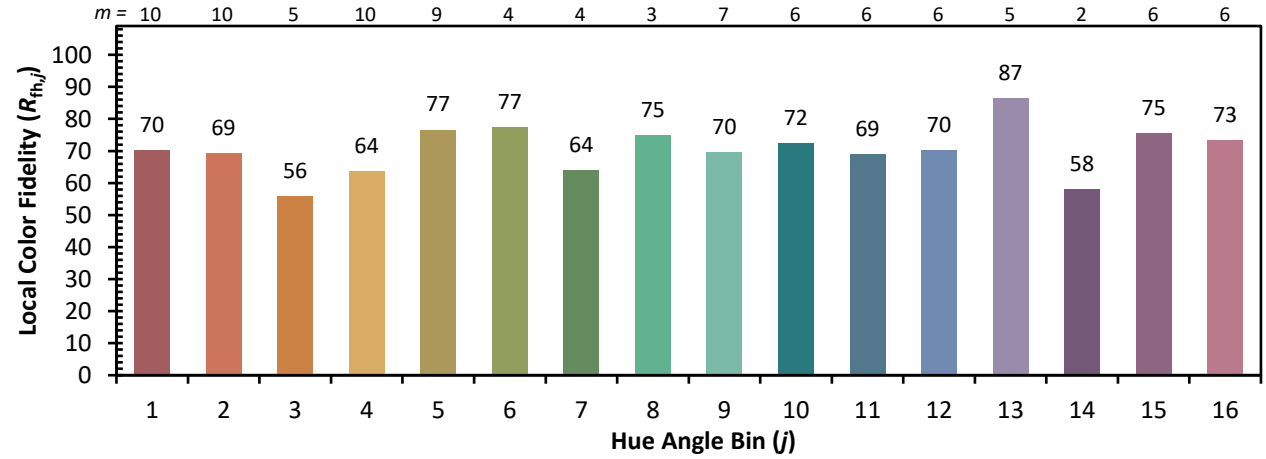
Color Rendition by Hue-Angle Bin







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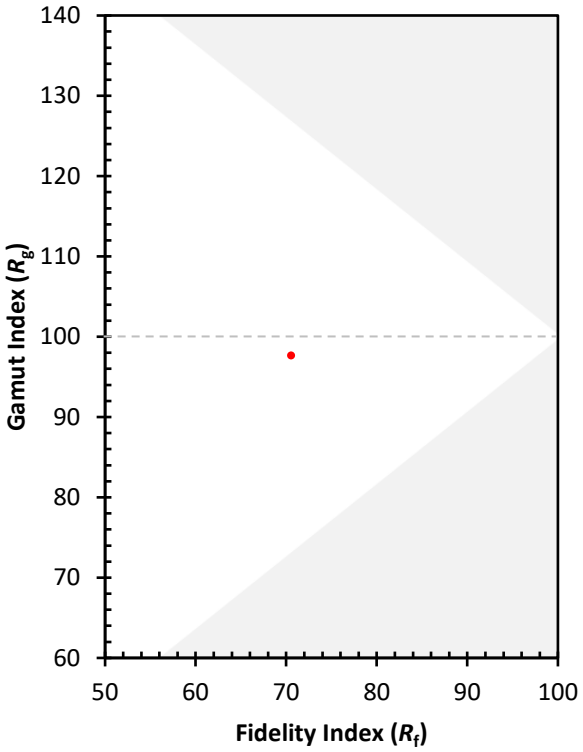
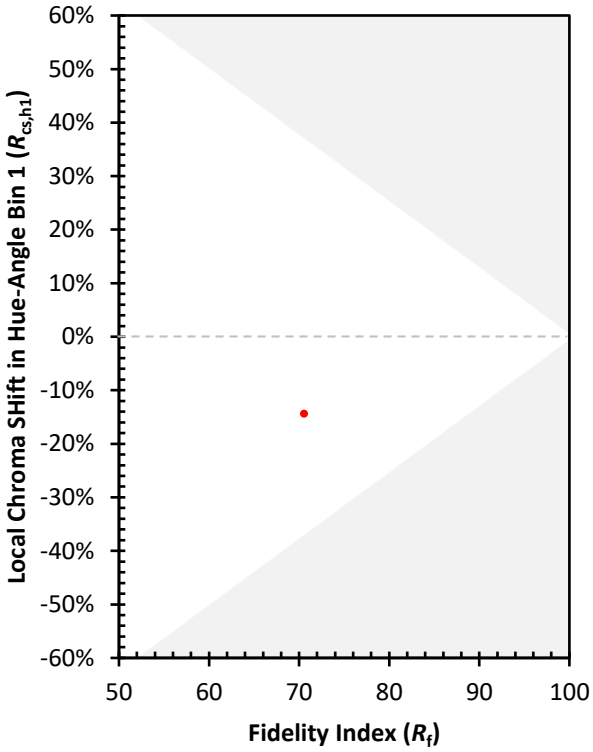
Measure Comparisons





(END OF REPORT)