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: P1065677

Luminaire Tested: **GLAN-SA2A-950-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1065677
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA2A-950-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE 90CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(28) 5000K CCT, 90 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5277.5 lumens
Efficiency:	N/A
Efficacy:	94.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G2

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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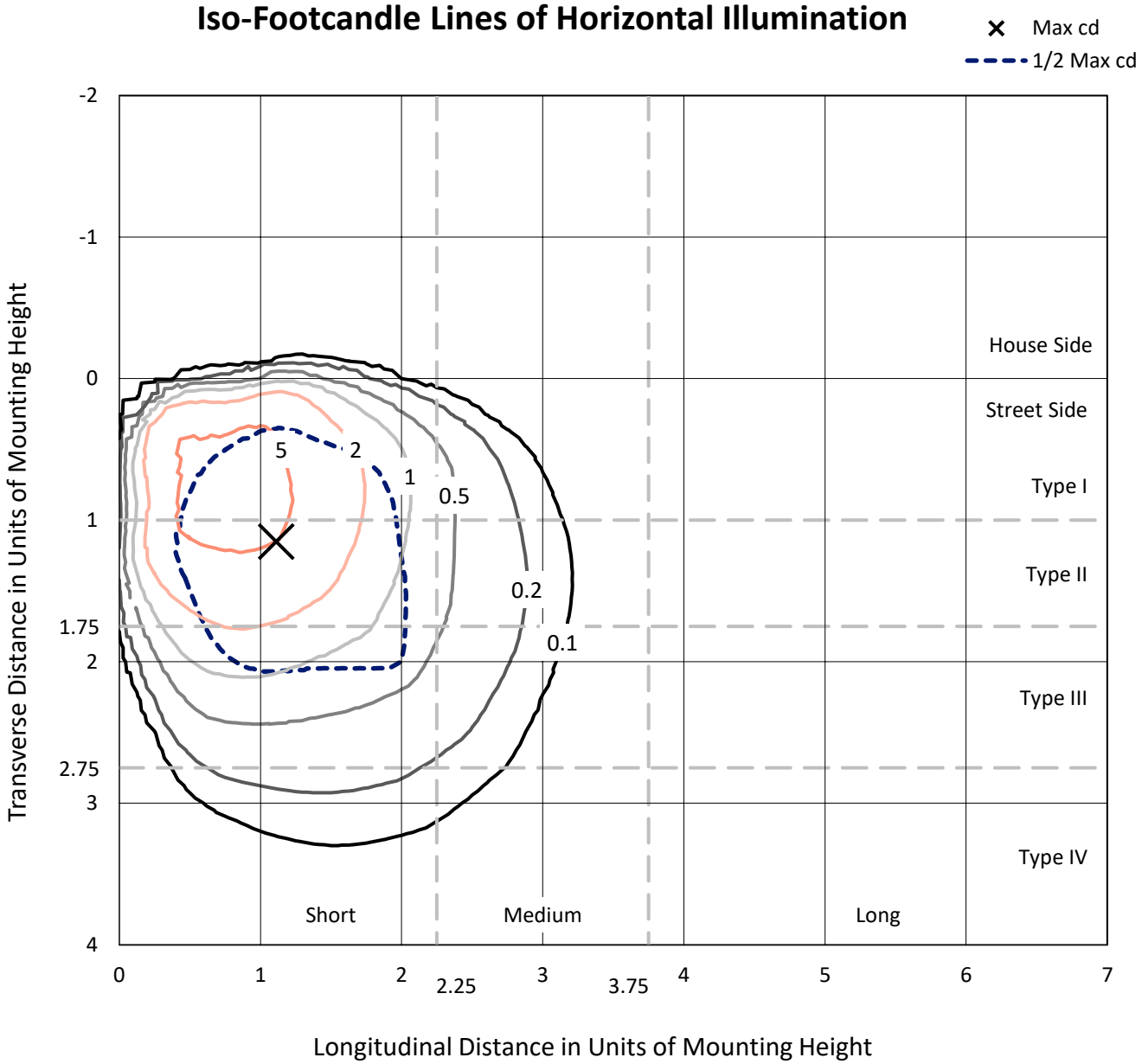
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 9.2 fc
Type III - Short - N/A

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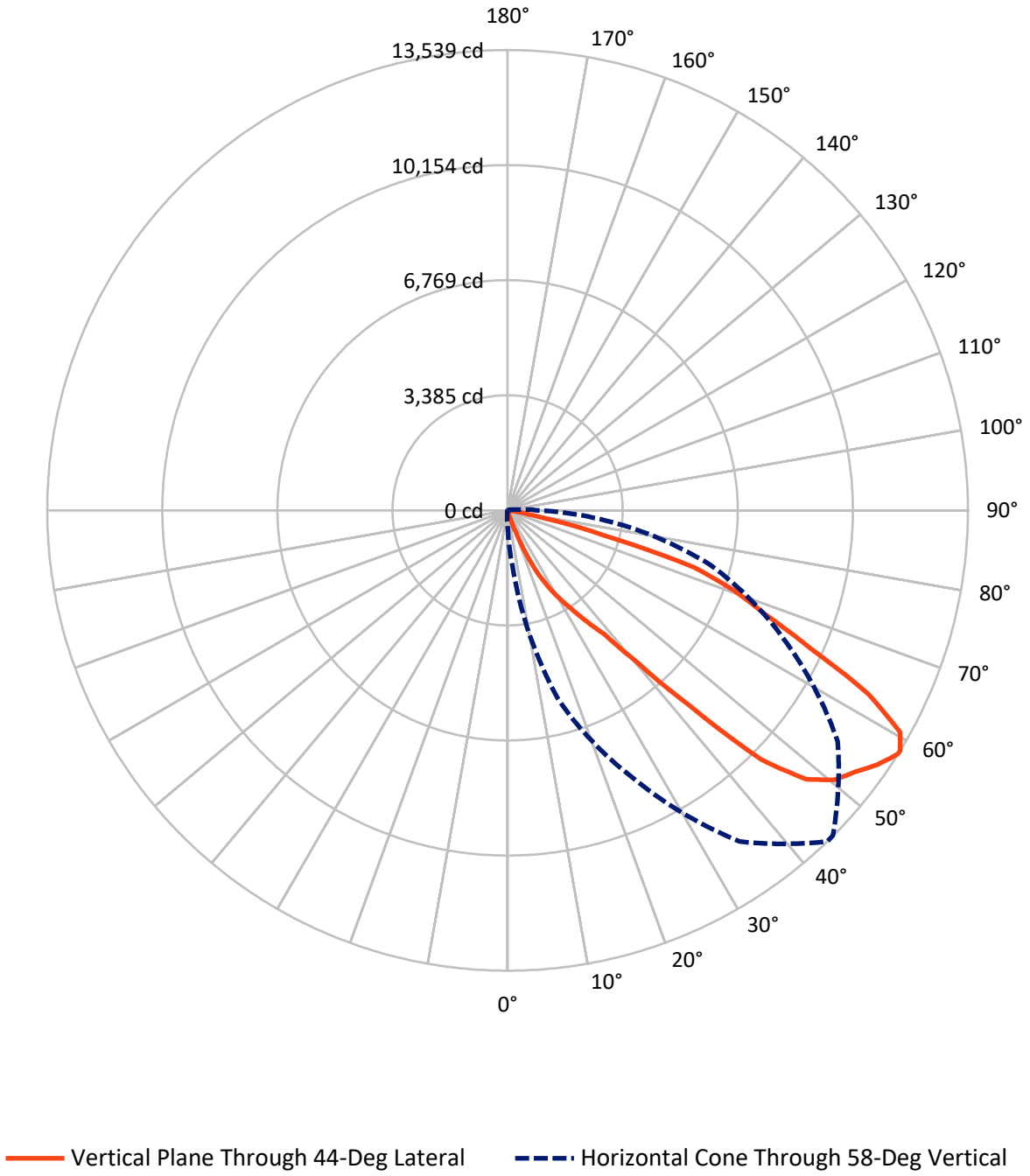
Luminous Intensity Polar Plot



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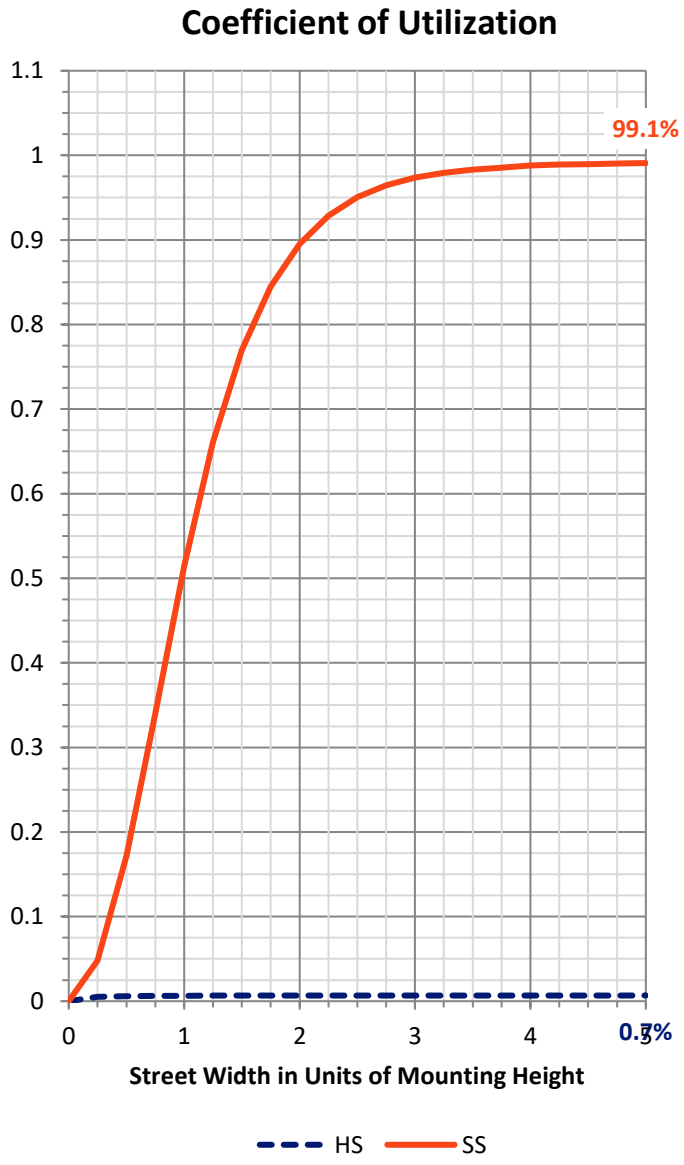
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.0	0.0	36.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	5241.5	0.0	5241.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	5277.5	0.0	5277.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.1	0.0
10°-20°	11.6	0.2
20°-30°	125.0	2.4
30°-40°	369.7	7.0
40°-50°	1102.0	20.9
50°-60°	1748.6	33.1
60°-70°	1458.6	27.6
70°-80°	449.9	8.5
80°-90°	10.0	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°	5277.5	100.0
0°-180°	5277.5	100.0



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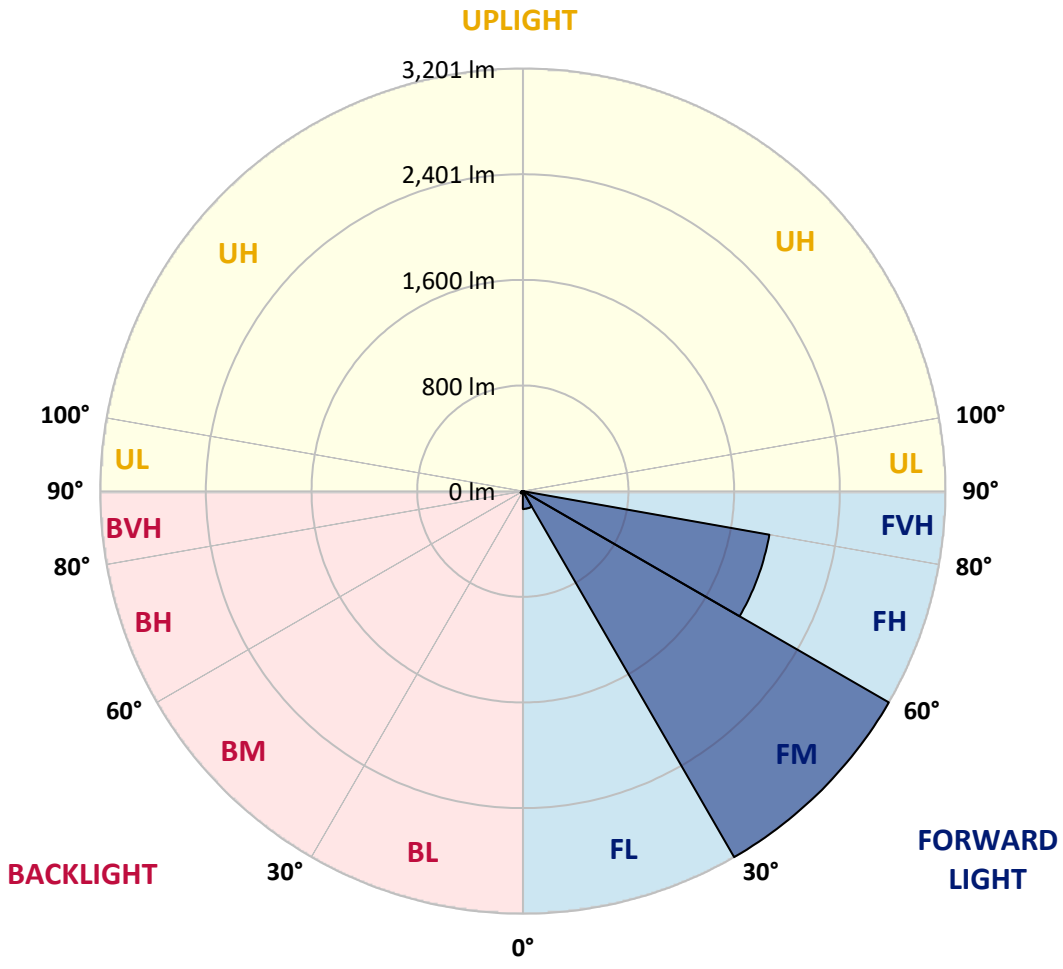
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	135.1	2.6			
FM	(30°-60°)	3200.7	60.6			
FH	(60°-80°)	1896.1	35.9			G2/5000
FVH	(80°-90°)	9.5	0.2			G0/10
BL	(0°-30°)	3.5	0.1	B0/110		
BM	(30°-60°)	19.7	0.4	B0/220		
BH	(60°-80°)	12.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	23.1	23.1	23.1	23.1	23.1	*23.1*	23.1	23.1	23.1	23.1
2.5°	29.9	29.9	28.7	27.1	25.5	*23.9*	23.5	22.7	22.3	21.9
5°	31.1	31.1	30.7	29.5	27.9	*26.7*	26.7	25.5	24.7	23.9
7.5°	31.9	32.3	33.1	32.7	31.9	*30.7*	30.7	29.9	28.7	26.7
10°	33.1	34.3	35.9	36.7	37.1	*37.1*	36.7	36.3	34.3	31.5
12.5°	34.3	36.7	40.7	44.7	47.0	*50.2*	49.8	49.0	43.9	37.9
15°	36.7	40.3	48.6	60.2	78.1	*89.3*	93.7	89.7	72.6	51.0
17.5°	39.5	45.4	70.6	126.0	206.5	*244.8*	267.9	249.2	165.0	96.9
20°	42.3	55.4	131.2	326.5	535.8	*661.0*	695.7	641.5	411.8	184.6
22.5°	47.0	77.7	265.9	674.9	1154.5	*1342.3*	1377.8	1204.4	777.8	364.4
25°	57.0	112.8	458.5	1099.9	1723.1	*2040.0*	2025.2	1798.0	1261.8	582.1
27.5°	71.4	164.3	693.3	1562.8	2267.6	*2547.1*	2580.6	2299.5	1682.0	855.9
30°	92.1	227.6	945.2	1933.6	2704.2	*3006.4*	3012.0	2721.3	2057.9	1096.3
32.5°	112.0	287.4	1165.7	2292.0	3134.3	*3465.6*	3490.4	3132.8	2338.6	1346.7
35°	127.2	326.5	1389.0	2606.9	3568.1	*4024.6*	4023.0	3598.4	2671.1	1570.4
37.5°	128.4	365.6	1591.1	2929.0	4117.5	*4628.6*	4679.2	4211.2	3073.0	1847.0
40°	125.6	409.4	1847.0	3431.4	5107.4	*5891.5*	5936.2	5346.2	3879.1	2320.7
42.5°	128.8	485.6	2262.5	4359.1	6751.1	*7877.3*	7963.4	7343.1	5360.9	3287.0
45°	145.5	628.7	3132.8	5911.1	9094.1	*10467.1*	10438.4	9545.0	7085.2	4758.1
47.5°	200.9	979.1	4422.8	7421.6	10591.5	*11814.2*	11838.9	10747.0	8091.4	5889.2
50°	309.0	1498.2	5506.8	8220.2	11235.3	*12462.0*	12438.9	11177.1	8473.7	6446.1
52.5°	401.9	1873.8	6050.6	8500.4	11317.8	*12782.2*	12780.6	11290.3	8533.1	6493.9
55°	425.0	1902.1	6055.0	8515.6	11502.8	*13201.2*	13253.8	11569.0	8610.1	6285.0
57.5°	415.8	1684.0	5802.2	8603.3	11832.1	*13525.3*	13528.1	11838.9	8805.4	6157.1
58°	*407.8*	*1649.7*	*5751.2*	*8653.1*	*11888.7*	*13538.8*	*13532.1*	*11851.3*	*8964.5*	*6152.3*
60°	363.2	1432.4	5552.3	8780.3	11804.6	*13260.6*	13197.2	11581.4	8941.0	6103.2
62.5°	285.4	1117.5	5356.5	8633.2	10902.8	*11913.5*	11939.8	10253.4	8150.8	5817.4
65°	227.2	832.8	4948.3	7572.7	8978.1	*9783.4*	9881.4	8337.8	6803.3	4926.0
67.5°	181.0	602.0	4151.0	6029.1	7104.3	*8165.2*	8236.5	7000.3	5270.8	3774.2
70°	147.1	407.0	2865.2	4409.3	5859.7	*7052.5*	7056.9	5815.4	3934.1	2473.0
72.5°	130.4	281.9	1663.3	3215.7	4751.4	*5746.8*	5630.8	4719.1	3023.5	1464.7
75°	112.8	187.0	815.7	1965.8	2880.8	*2900.3*	2944.6	2189.1	1511.4	696.5
77.5°	92.9	132.8	321.3	537.0	863.9	*1105.9*	1147.0	869.1	502.7	171.4
80°	63.8	63.0	86.5	164.7	247.2	*309.8*	289.0	223.7	131.6	65.8
82.5°	27.5	29.9	39.1	47.0	38.3	*37.1*	35.5	22.7	17.5	13.6
85°	8.8	8.0	8.4	8.4	6.8	*5.2*	5.2	2.4	0.0	0.0
87.5°	4.4	3.6	3.6	3.2	2.0	*0.8*	0.4	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

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
23.1	0°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
21.5	2.5°	21.1	21.1	20.3	19.5	19.1	18.3	17.9	17.5	17.1	16.7
23.1	5°	22.3	21.9	20.7	19.5	18.3	17.1	16.3	15.5	14.8	14.4
25.5	7.5°	24.3	23.5	21.1	19.1	17.5	15.9	15.1	14.0	13.2	12.0
28.3	10°	26.7	25.1	21.9	19.5	17.1	15.1	14.0	12.8	11.6	10.0
32.3	12.5°	29.9	27.1	23.1	19.1	16.3	14.0	12.8	11.2	10.0	8.8
37.5	15°	32.7	29.1	23.5	19.1	15.5	12.8	11.2	9.6	8.4	6.8
47.0	17.5°	36.7	30.7	23.1	17.9	14.4	11.2	9.6	8.4	6.4	4.0
69.8	20°	43.5	31.9	22.3	16.7	12.4	9.2	7.2	5.6	2.8	0.8
104.9	22.5°	54.2	35.1	21.5	15.1	10.8	7.2	4.8	2.0	0.0	0.0
159.5	25°	75.0	40.7	21.5	14.4	9.6	5.2	1.6	0.0	0.0	0.0
226.4	27.5°	99.7	48.2	21.5	12.4	7.6	2.8	0.0	0.0	0.0	0.0
308.6	30°	124.8	56.6	21.5	10.8	6.0	0.4	0.0	0.0	0.0	0.0
379.9	32.5°	148.7	63.8	21.9	9.2	4.0	0.0	0.0	0.0	0.0	0.0
478.8	35°	173.0	65.0	21.5	8.0	2.4	0.0	0.0	0.0	0.0	0.0
600.0	37.5°	204.1	62.6	20.3	7.2	1.2	0.0	0.0	0.0	0.0	0.0
789.4	40°	251.2	63.8	19.1	6.8	0.4	0.0	0.0	0.0	0.0	0.0
1127.0	42.5°	338.1	69.0	17.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0
1795.2	45°	584.5	92.5	15.9	7.2	0.0	0.0	0.0	0.0	0.0	0.0
2695.0	47.5°	966.8	166.2	15.5	7.2	0.0	0.0	0.0	0.0	0.0	0.0
3246.4	50°	1233.9	209.3	16.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0
3315.3	52.5°	1231.9	233.2	17.1	8.0	1.6	0.0	0.0	0.0	0.0	0.0
3055.8	55°	1095.1	237.6	18.3	8.8	5.2	0.0	0.0	0.0	0.0	0.0
2626.0	57.5°	915.3	216.9	21.1	10.8	9.6	0.0	0.0	0.0	0.0	0.0
2558.7	58°	*883.5*	*207.3*	*21.9*	*11.2*	*10.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
2219.4	60°	724.0	169.0	27.9	14.0	14.0	0.0	0.0	0.0	0.0	0.0
1819.5	62.5°	499.9	147.5	31.9	17.9	14.4	0.0	0.0	0.0	0.0	0.0
1341.5	65°	353.6	133.2	34.7	19.1	11.6	0.0	0.0	0.0	0.0	0.0
953.2	67.5°	264.3	122.8	38.3	19.5	6.0	0.0	0.0	0.0	0.0	0.0
598.0	70°	202.5	115.2	47.0	20.7	1.6	0.0	0.0	0.0	0.0	0.0
356.4	72.5°	165.0	106.4	57.0	21.5	0.0	0.0	0.0	0.0	0.0	0.0
213.7	75°	136.7	96.1	55.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0
114.0	77.5°	90.9	74.6	50.2	23.5	0.0	0.0	0.0	0.0	0.0	0.0
40.7	80°	31.9	29.5	39.1	20.7	0.0	0.0	0.0	0.0	0.0	0.0
8.4	82.5°	4.8	4.0	5.6	7.2	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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
23.1	0°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
16.3	2.5°	16.3	16.3	15.9	16.3	16.3	17.1	19.1	21.9	25.1	26.3
14.0	5°	13.6	13.2	12.8	12.8	12.8	14.0	15.5	18.7	22.3	23.9
11.6	7.5°	11.2	10.8	10.4	10.0	10.0	10.8	12.8	16.3	19.9	21.5
9.6	10°	9.2	8.4	8.0	7.6	7.6	8.4	10.4	14.0	17.9	19.5
8.0	12.5°	7.6	6.4	5.6	5.2	4.8	6.0	8.0	11.2	15.5	17.5
6.0	15°	5.2	4.0	2.8	2.4	2.0	3.2	5.2	8.8	13.2	15.5
3.2	17.5°	2.8	1.2	0.4	0.0	0.0	0.8	2.4	6.4	10.8	12.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.0	10.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.8	6.8
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
0.0	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
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2
0.0	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

Scaled Data Report

REPORT NUMBER: P1065677
CATALOG NUMBER: GLAN-SA2A-950-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
23.1	0°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
27.5	2.5°	28.3	27.9	27.1	26.3	26.3	26.3	27.5	28.7	29.9	29.9
24.7	5°	26.3	26.3	25.9	25.1	25.1	25.5	27.1	29.1	30.7	31.1
22.7	7.5°	24.3	25.1	24.3	23.9	24.3	24.7	26.3	28.7	31.1	31.9
21.1	10°	23.1	23.5	23.5	23.1	23.1	23.9	25.5	28.7	31.9	33.1
19.1	12.5°	21.5	22.3	21.9	21.9	21.9	22.7	24.7	28.3	32.7	34.3
17.1	15°	19.9	21.1	21.1	20.7	20.7	21.1	23.9	27.9	33.9	36.7
14.8	17.5°	18.3	19.5	19.9	19.1	19.1	19.9	22.7	27.9	34.7	39.5
12.0	20°	15.1	17.1	18.3	17.1	17.1	17.9	20.7	26.3	35.1	42.3
8.8	22.5°	12.0	14.0	15.5	15.1	15.1	15.5	19.1	25.1	35.5	47.0
5.2	25°	8.8	10.8	12.0	12.8	12.8	14.0	17.5	24.3	37.1	57.0
2.4	27.5°	5.2	7.6	9.2	10.0	10.4	12.0	16.3	23.5	39.9	71.4
0.0	30°	2.4	4.4	6.4	8.0	8.0	10.8	15.1	22.7	43.5	92.1
0.0	32.5°	0.0	2.0	3.2	5.6	6.0	8.8	14.0	21.9	48.6	112.0
0.0	35°	0.0	0.0	1.6	4.4	4.4	7.2	12.8	21.1	56.6	127.2
0.0	37.5°	0.0	0.0	0.0	3.2	3.6	6.4	12.4	20.7	58.2	128.4
0.0	40°	0.0	0.0	0.0	2.4	2.8	6.0	12.4	21.1	52.6	125.6
0.0	42.5°	0.0	0.0	0.0	1.6	2.0	6.0	12.4	21.9	47.4	128.8
0.0	45°	0.0	0.0	0.0	1.2	1.6	6.4	12.0	21.5	44.7	145.5
0.0	47.5°	0.0	0.0	0.0	1.6	2.4	6.4	11.6	21.1	45.0	200.9
0.0	50°	0.0	0.0	0.0	2.0	2.8	6.4	12.0	20.3	49.4	309.0
0.0	52.5°	0.0	0.0	0.0	1.6	2.4	7.2	13.2	19.9	53.8	401.9
0.0	55°	0.0	0.0	0.0	0.4	1.2	9.2	14.4	19.9	60.6	425.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	10.4	16.3	21.1	71.8	415.8
0.0	58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*10.4*	*16.7*	*21.1*	*72.6*	*407.8*
0.0	60°	0.0	0.0	0.0	0.0	0.0	10.4	18.3	23.5	78.1	363.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	8.8	21.9	29.5	81.3	285.4
0.0	65°	0.0	0.0	0.0	0.0	0.0	7.2	25.9	32.3	83.7	227.2
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	6.8	26.7	32.7	84.9	181.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	7.2	26.3	35.1	88.9	147.1
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	8.0	23.9	38.7	88.9	130.4
0.0	75°	0.0	0.0	0.0	0.0	0.0	8.4	22.3	43.5	80.9	112.8
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	8.0	21.9	50.6	72.2	92.9
0.0	80°	0.8	1.2	1.2	0.8	0.8	6.8	21.5	51.4	61.4	63.8
0.4	82.5°	2.4	3.2	2.8	2.0	2.0	6.0	19.1	43.1	31.9	27.5
2.4	85°	4.4	5.2	5.2	4.4	4.4	5.6	12.0	15.5	10.8	8.8
4.4	87.5°	6.0	6.8	6.8	6.0	6.0	5.6	5.2	4.8	4.4	4.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI

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

Scaled Data Report

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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

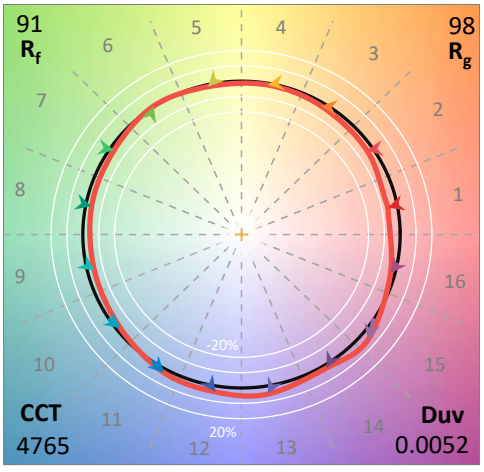
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-17
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-950-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4765
CIE u':	0.2105
CIE v':	0.4941
Duv:	0.0052
CIE x:	0.3536
CIE y:	0.3689
CIE z:	0.2775
Peak Wavelength (nm):	449
Dominant Wavelength (nm):	571
Purity:	16.80041
Rf:	90.7
Rg:	98

CRI (Ra):	90.8				
R1:	89.8	R9:	54.9		
R2:	93.1	R10:	83.0		
R3:	95.3	R11:	89.6		
R4:	90.3	R12:	68.0		
R5:	89.0	R13:	90.6		
R6:	89.7	R14:	97.3		
R7:	94.9	R15:	86.2		
R8:	84.0				



Test Conditions

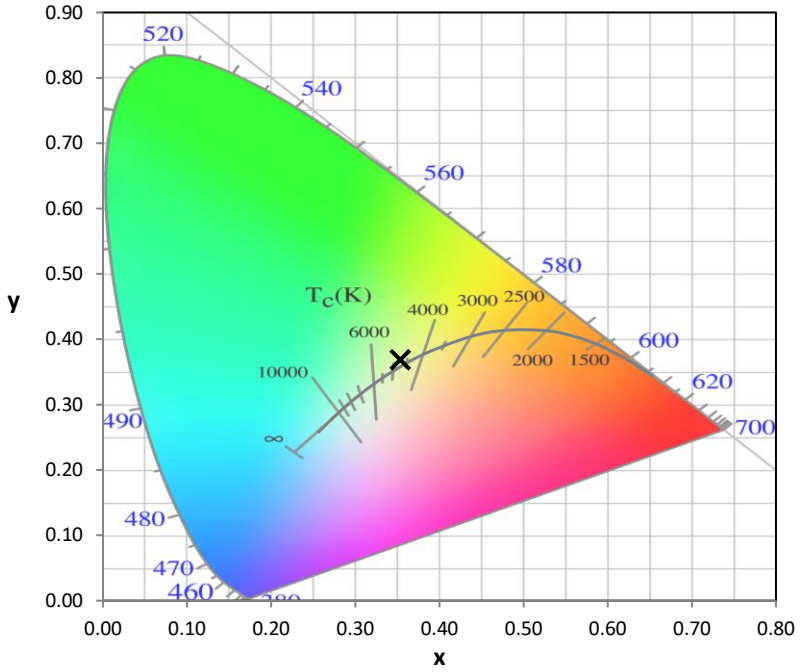
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-17

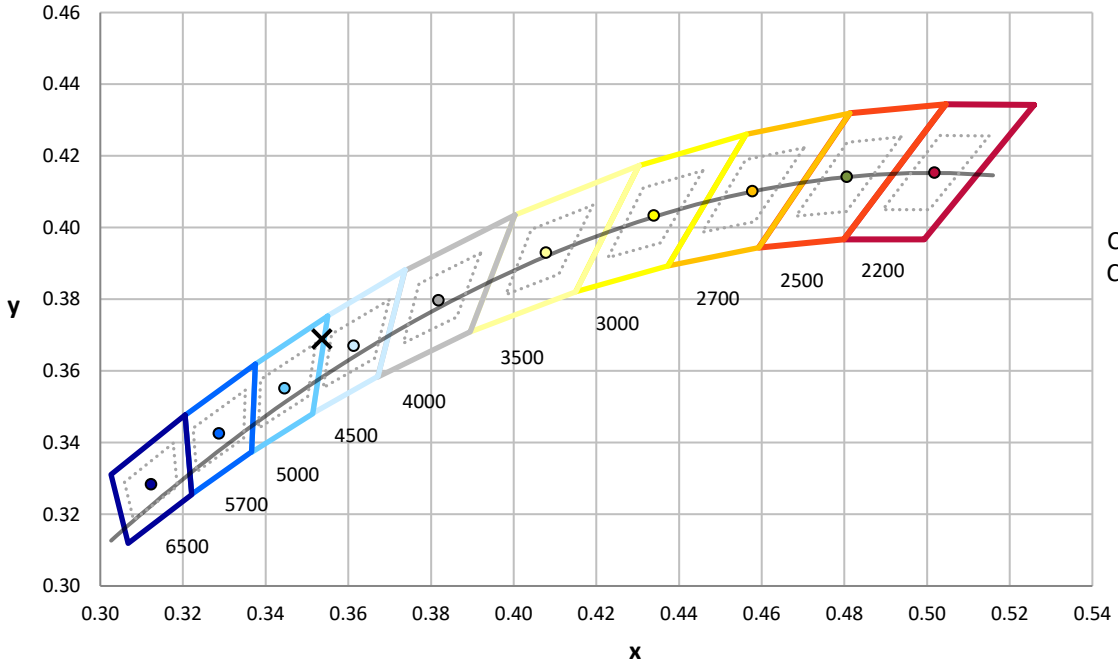
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



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

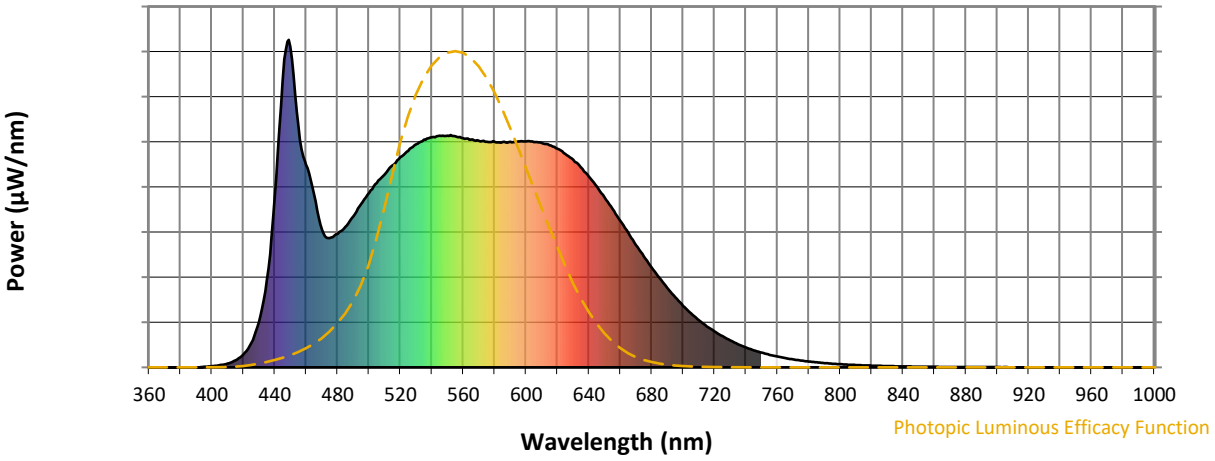


CCT = 4765K
CIE x = 0.3536
CIE y = 0.3689
Duv = 0.0052

Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

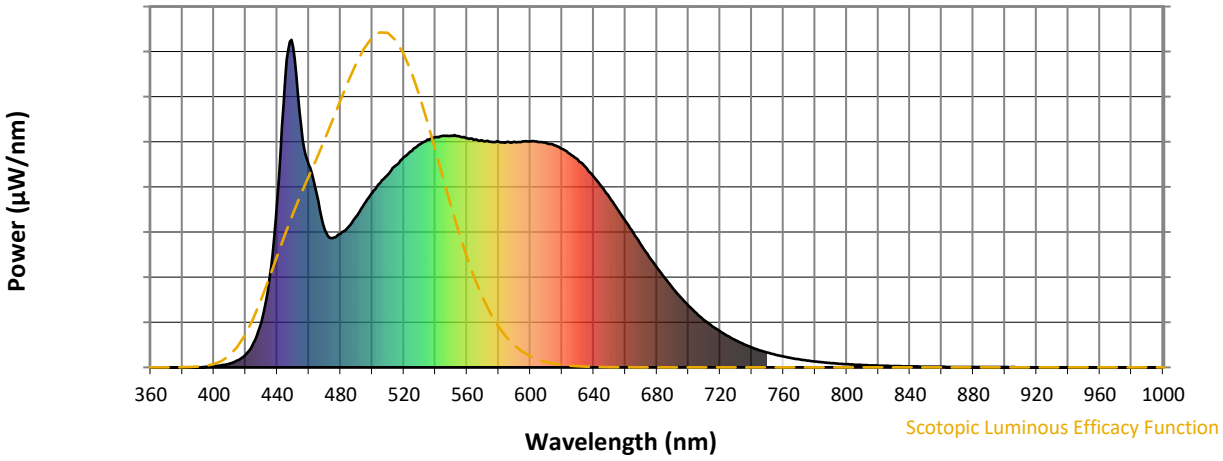


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength

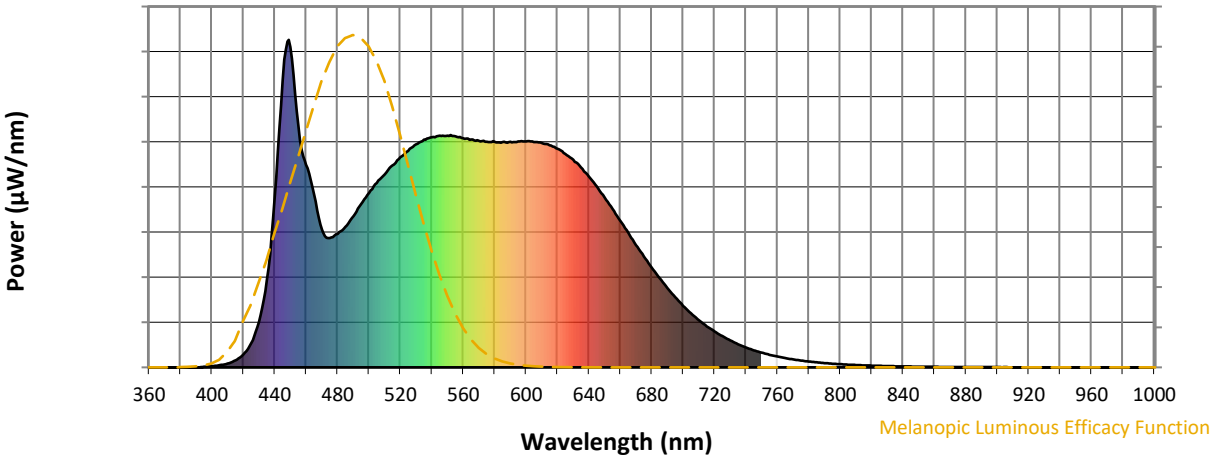


Scotopic Lumens: NR **S/P: 1.99**

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 4.22**

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

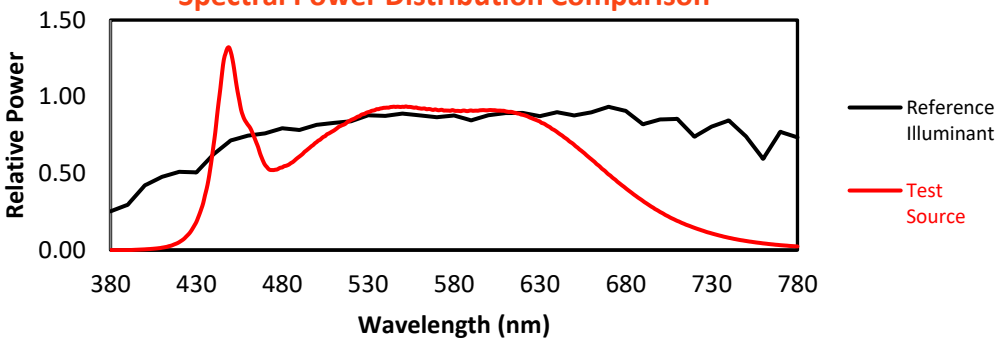
REPORT NUMBER: SP1-2407-184-17

TM-30-18

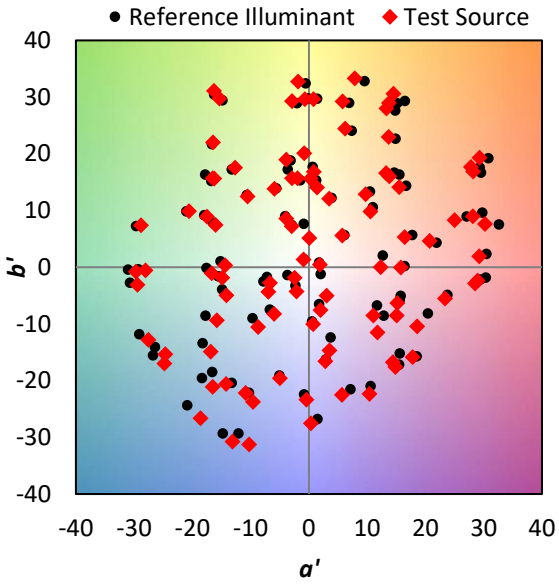
Summary

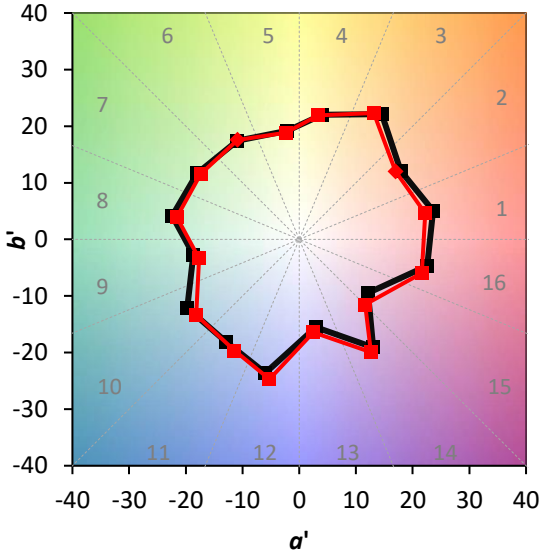
R_f = 90.7
R_g = 98
CIE R_a = 90.8
R_9 = 54.9

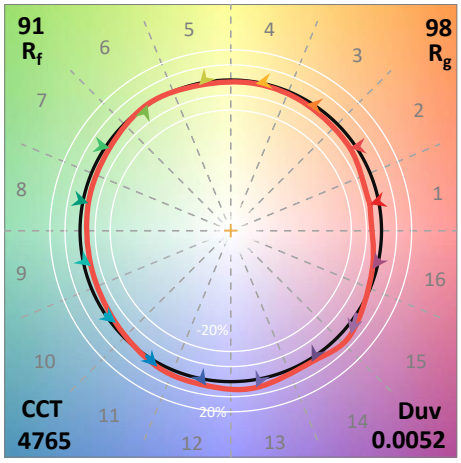
Spectral Power Distribution Comparison

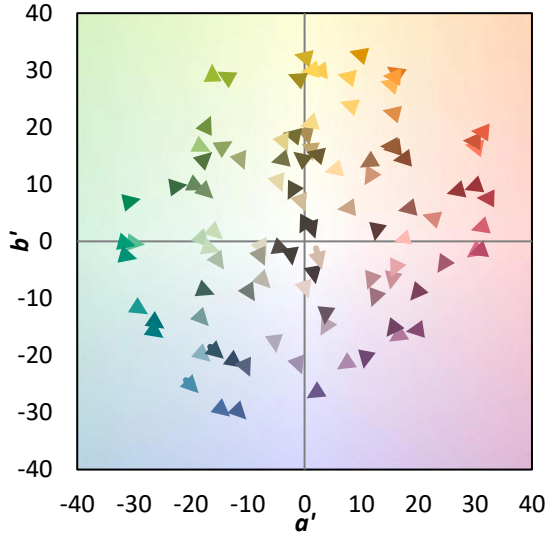


Color Vector Graphics







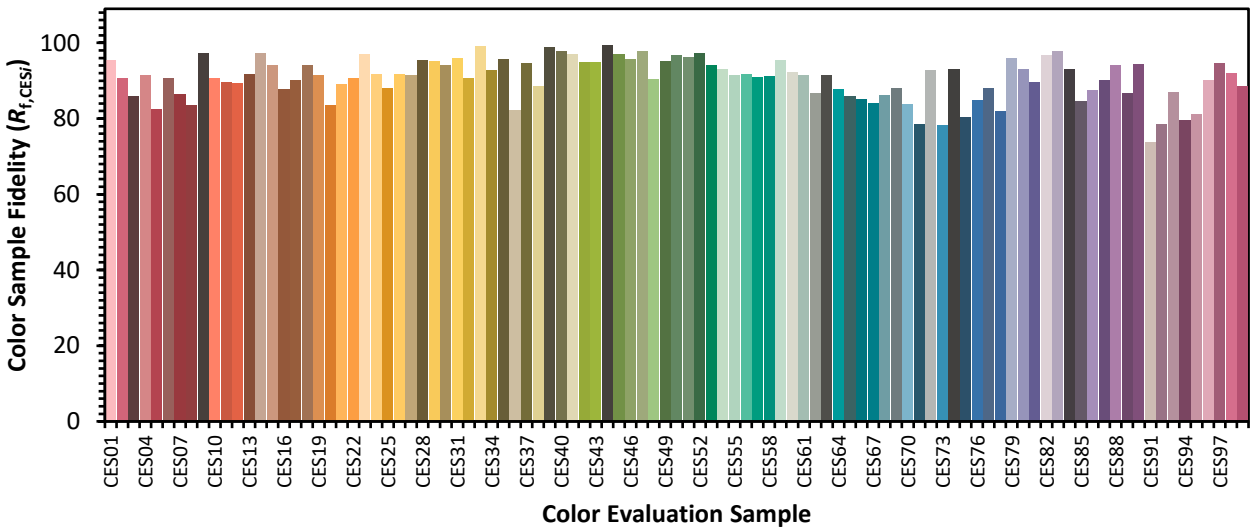


REPORT NUMBER: SP1-2407-184-17

TM-30-18

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

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



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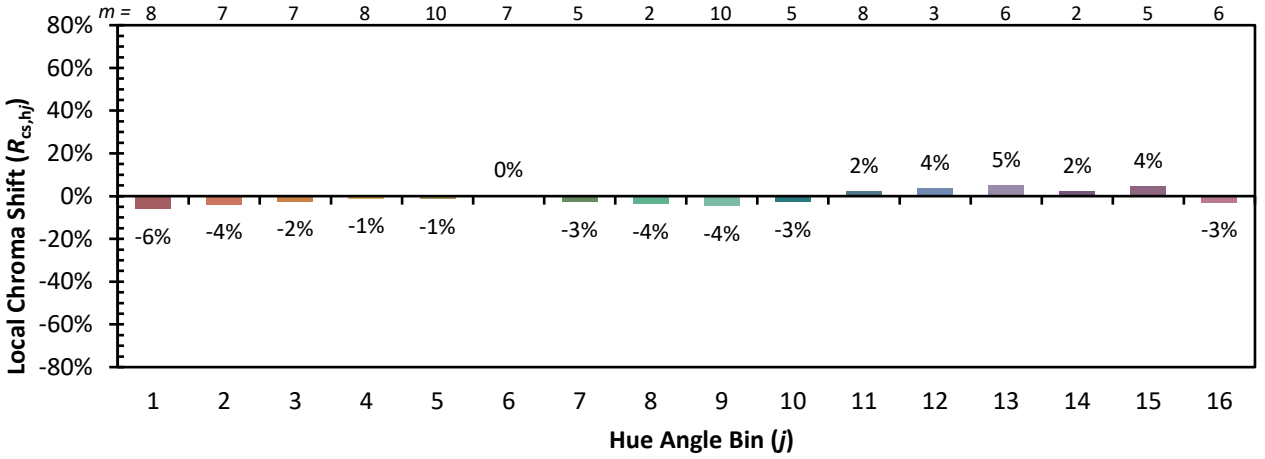
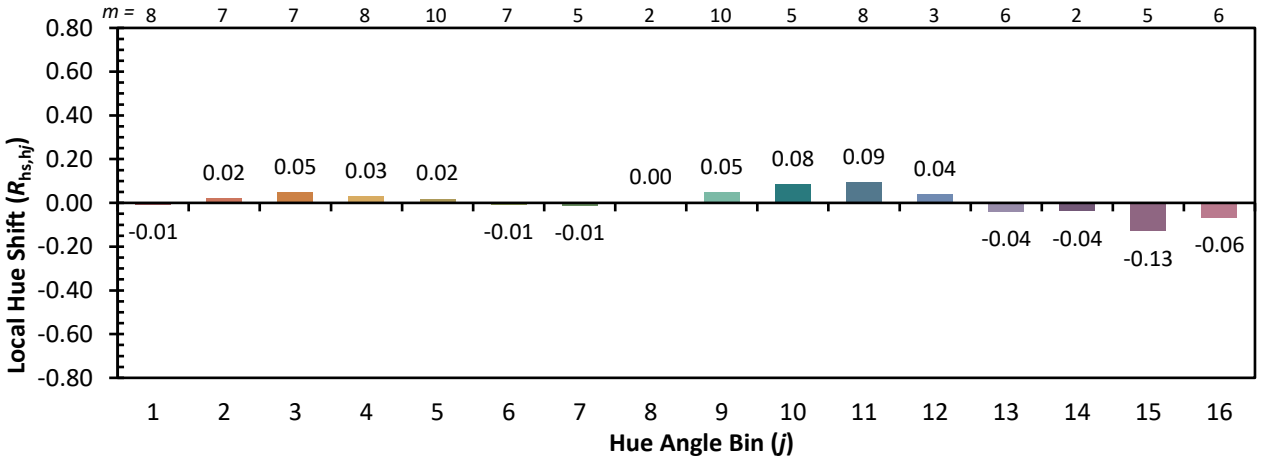
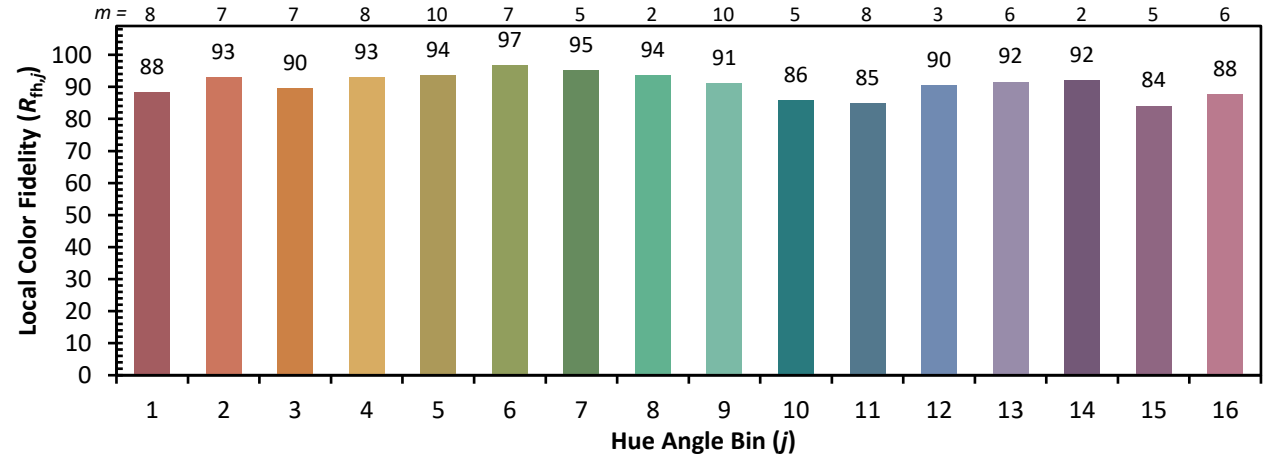
Color Rendition by Hue-Angle Bin







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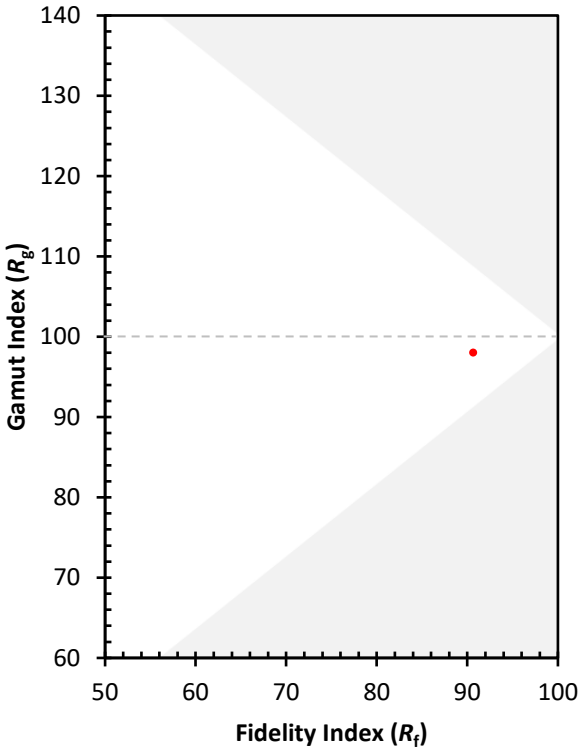
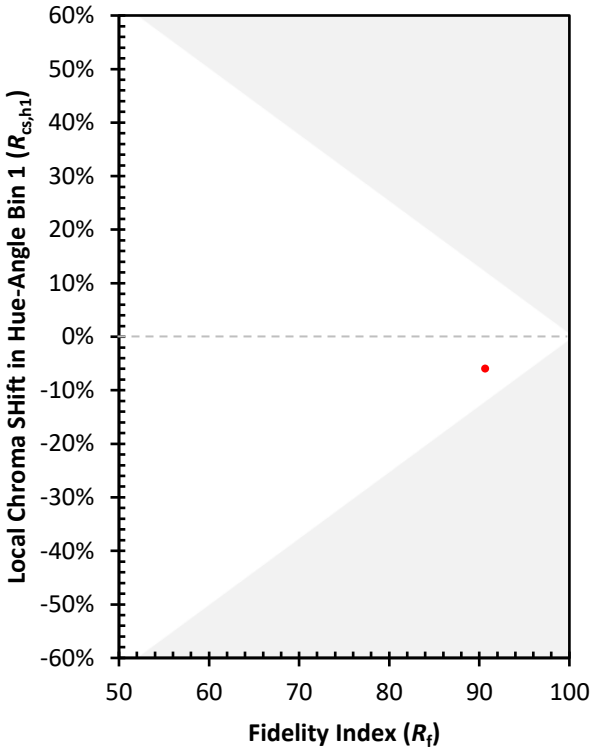
Measure Comparisons





(END OF REPORT)