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: P1065135

Luminaire Tested: **GLAN-SA1C-722-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1065135
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA1C-722-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE 70CRI 2200K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(14) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3796.6 lumens
Efficiency:	N/A
Efficacy:	75.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	50.2
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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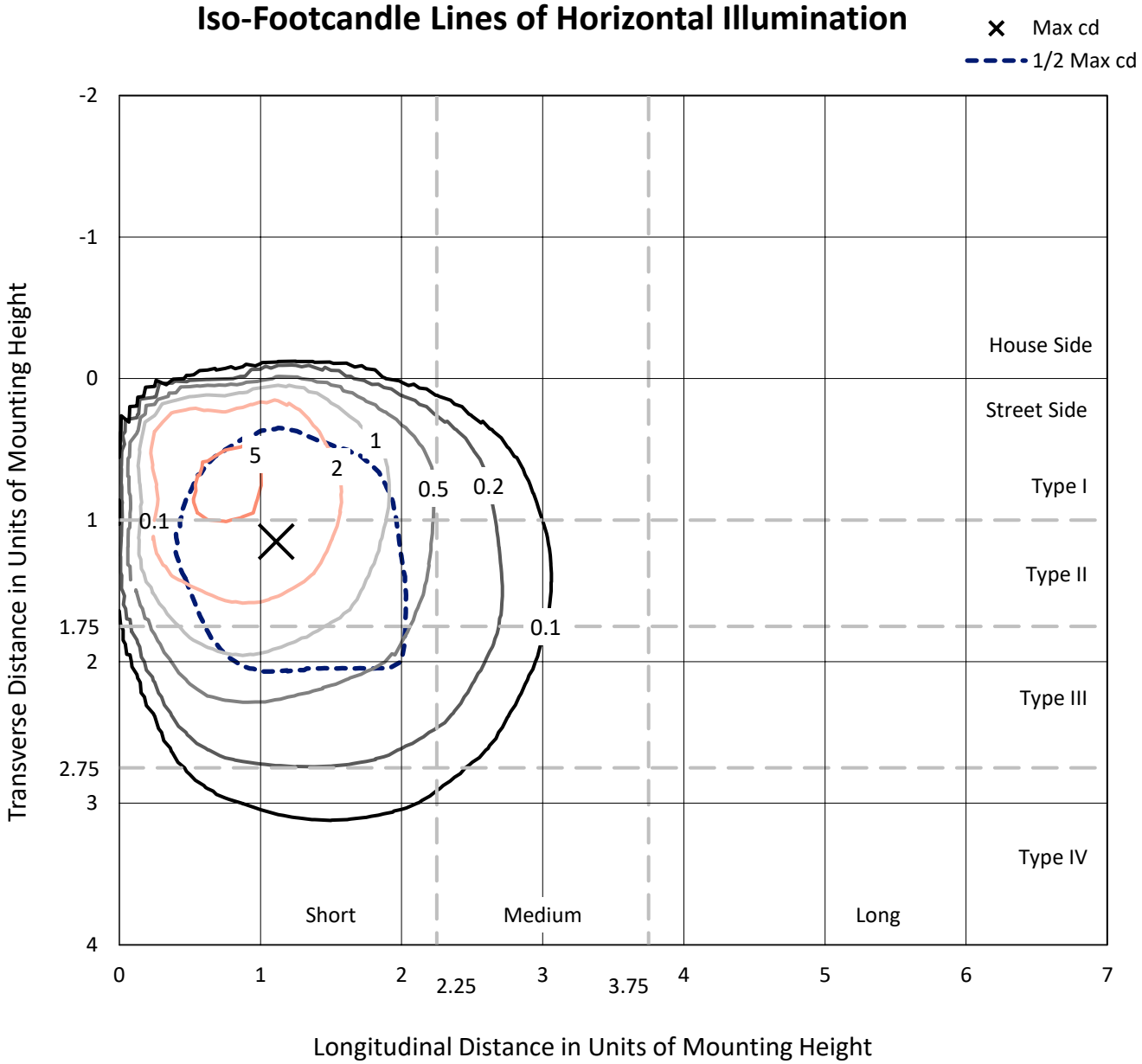
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
Type III - Short - N/A

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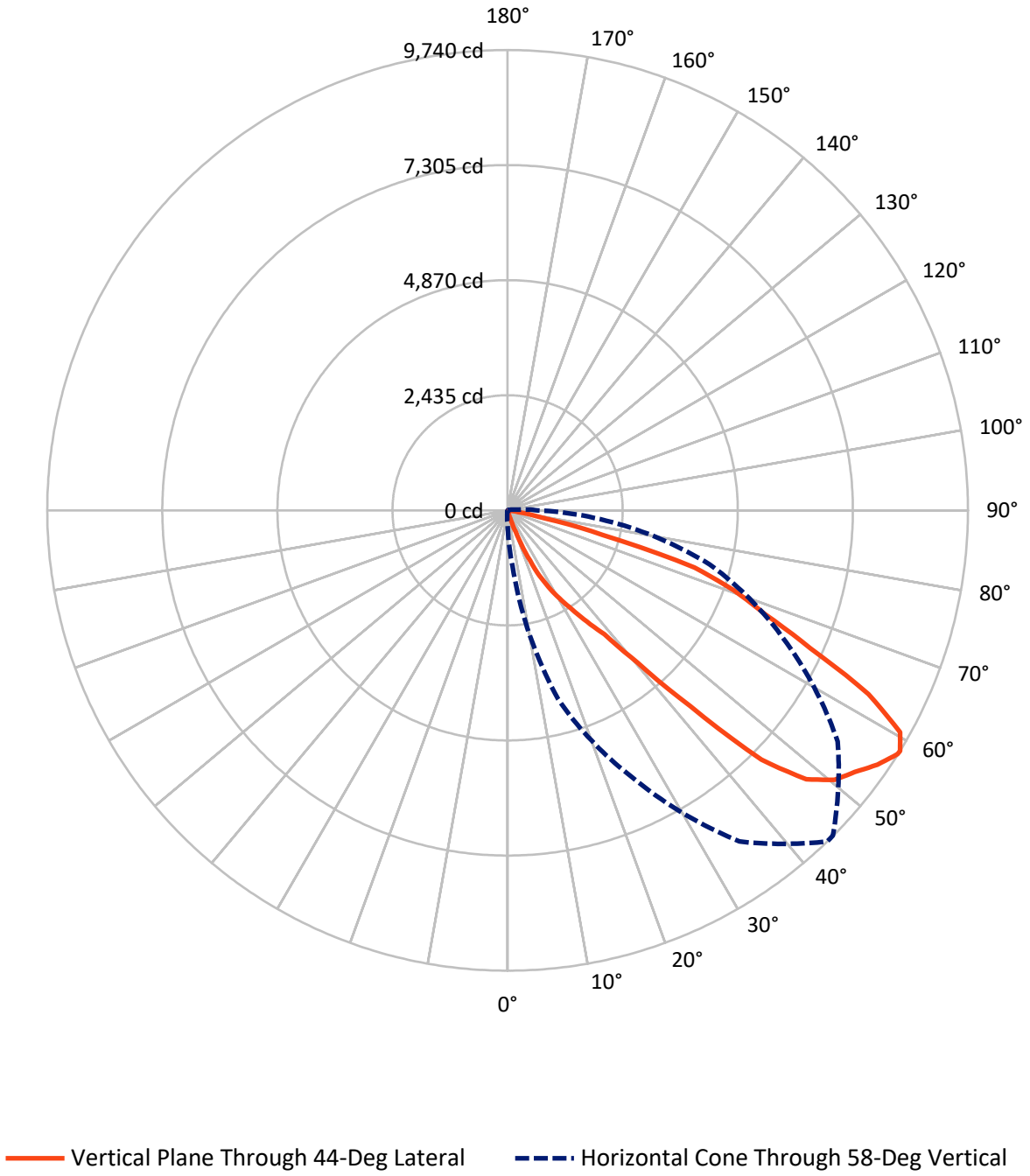
Luminous Intensity Polar Plot



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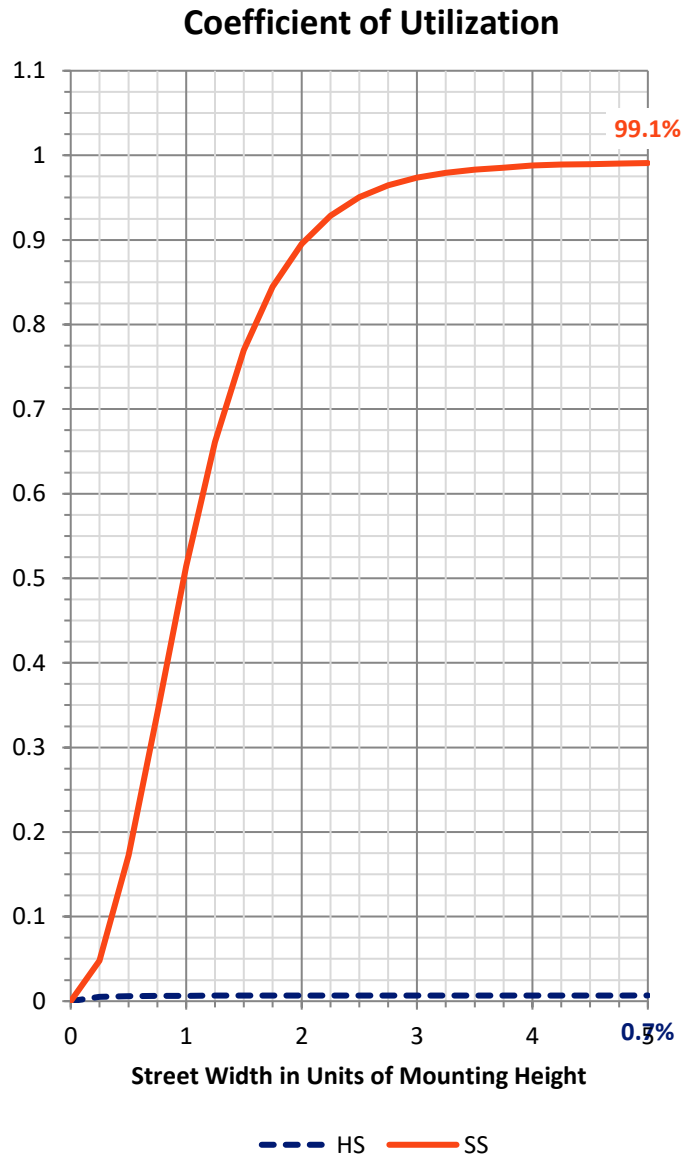
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.9	0.0	25.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	3770.7	0.0	3770.7
	% Fixture	99.3	0.0	99.3
Total	Lumens	3796.6	0.0	3796.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	8.3	0.2
20°-30°	89.9	2.4
30°-40°	266.0	7.0
40°-50°	792.8	20.9
50°-60°	1258.0	33.1
60°-70°	1049.3	27.6
70°-80°	323.6	8.5
80°-90°	7.2	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°	3796.6	100.0
0°-180°	3796.6	100.0



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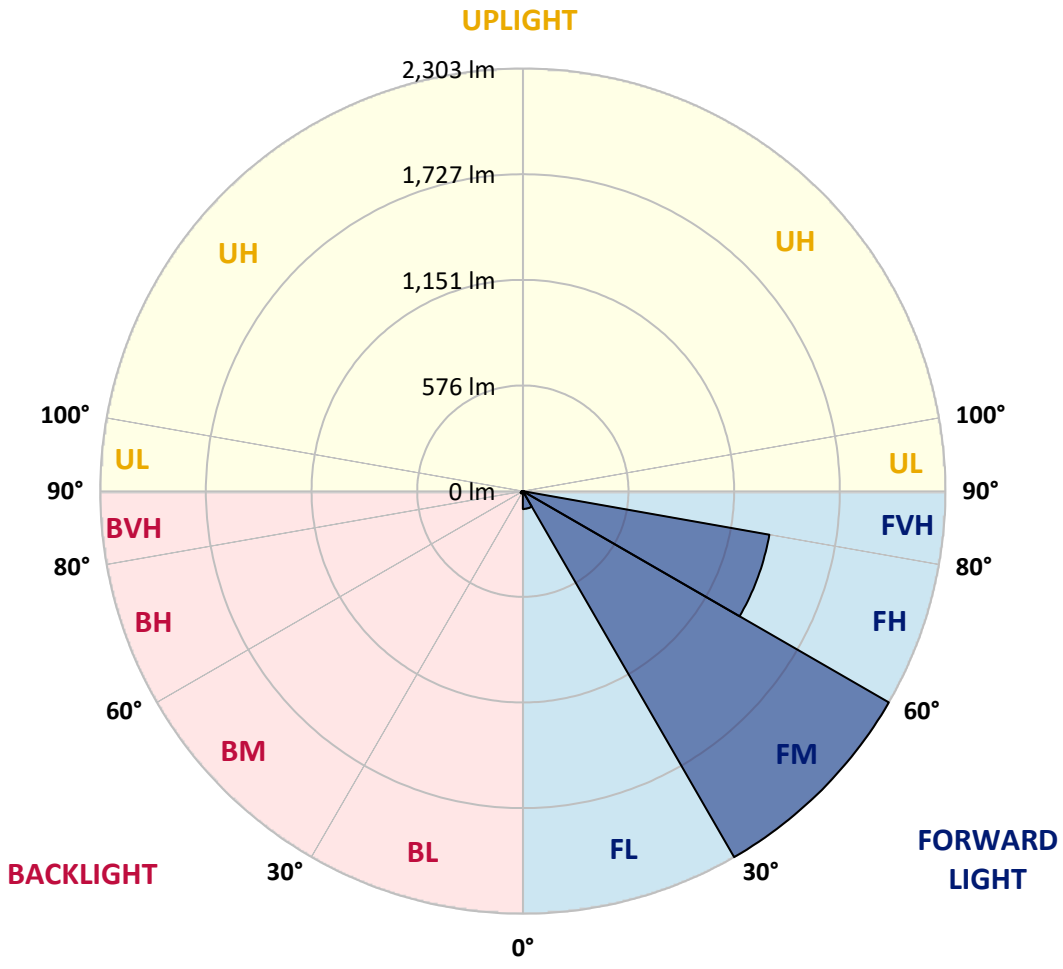
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	97.2	2.6			
FM	(30°-60°)	2302.6	60.6			
FH	(60°-80°)	1364.1	35.9			G1/1800
FVH	(80°-90°)	6.8	0.2			G0/10
BL	(0°-30°)	2.5	0.1	B0/110		
BM	(30°-60°)	14.2	0.4	B0/220		
BH	(60°-80°)	8.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.3	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°	16.6	16.6	16.6	16.6	16.6	*16.6*	16.6	16.6	16.6	16.6	16.6
2.5°	21.5	21.5	20.6	19.5	18.4	*17.2*	16.9	16.3	16.1	15.8	15.5
5°	22.4	22.4	22.1	21.2	20.1	*19.2*	19.2	18.4	17.8	17.2	16.6
7.5°	22.9	23.2	23.8	23.5	22.9	*22.1*	22.1	21.5	20.6	19.2	18.4
10°	23.8	24.7	25.8	26.4	26.7	*26.7*	26.4	26.1	24.7	22.7	20.4
12.5°	24.7	26.4	29.3	32.1	33.8	*36.1*	35.9	35.3	31.5	27.2	23.2
15°	26.4	29.0	35.0	43.3	56.2	*64.2*	67.4	64.5	52.2	36.7	27.0
17.5°	28.4	32.7	50.8	90.6	148.6	*176.1*	192.7	179.3	118.7	69.7	33.8
20°	30.4	39.9	94.4	234.9	385.5	*475.5*	500.5	461.5	296.3	132.8	50.2
22.5°	33.8	55.9	191.3	485.6	830.6	*965.7*	991.2	866.4	559.5	262.1	75.4
25°	41.0	81.2	329.8	791.3	1239.6	*1467.6*	1457.0	1293.5	907.7	418.7	114.7
27.5°	51.3	118.2	498.7	1124.3	1631.3	*1832.4*	1856.5	1654.3	1210.0	615.8	162.9
30°	66.3	163.8	680.0	1391.0	1945.4	*2162.8*	2166.8	1957.7	1480.5	788.7	222.0
32.5°	80.6	206.8	838.6	1648.8	2254.8	*2493.2*	2510.9	2253.7	1682.4	968.8	273.3
35°	91.5	234.9	999.2	1875.4	2566.9	*2895.3*	2894.1	2588.7	1921.6	1129.7	344.4
37.5°	92.3	263.0	1144.6	2107.1	2962.1	*3329.8*	3366.2	3029.5	2210.7	1328.8	431.6
40°	90.3	294.5	1328.8	2468.5	3674.2	*4238.3*	4270.5	3846.0	2790.6	1669.5	567.9
42.5°	92.6	349.3	1627.6	3135.9	4856.7	*5666.9*	5728.9	5282.6	3856.6	2364.7	810.8
45°	104.7	452.3	2253.7	4252.4	6542.2	*7530.0*	7509.3	6866.6	5097.0	3423.0	1291.5
47.5°	144.5	704.4	3181.8	5339.1	7619.4	*8499.1*	8516.8	7731.3	5820.9	4236.6	1938.8
50°	222.3	1077.8	3961.6	5913.6	8082.6	*8965.1*	8948.5	8040.8	6096.0	4637.3	2335.4
52.5°	289.1	1348.0	4352.8	6115.2	8142.0	*9195.4*	9194.3	8122.2	6138.7	4671.7	2385.0
55°	305.7	1368.3	4355.9	6126.1	8275.1	*9496.8*	9534.7	8322.7	6194.0	4521.4	2198.3
57.5°	299.1	1211.4	4174.1	6189.2	8512.0	*9730.0*	9732.0	8516.8	6334.6	4429.4	1889.2
58°	*293.4*	*1186.8*	*4137.4*	*6225.0*	*8552.7*	*9739.8*	*9734.9*	*8525.7*	*6449.0*	*4425.9*	*1840.7*
60°	261.3	1030.5	3994.3	6316.5	8492.2	*9539.6*	9494.0	8331.6	6432.1	4390.6	1596.6
62.5°	205.3	803.9	3853.5	6210.7	7843.4	*8570.5*	8589.4	7376.2	5863.7	4185.0	1309.0
65°	163.5	599.1	3559.8	5447.8	6458.8	*7038.1*	7108.7	5998.2	4894.3	3543.7	965.1
67.5°	130.2	433.1	2986.2	4337.3	5110.8	*5874.0*	5925.3	5035.9	3791.8	2715.1	685.7
70°	105.8	292.8	2061.2	3172.0	4215.4	*5073.5*	5076.7	4183.6	2830.2	1779.0	430.2
72.5°	93.8	202.8	1196.5	2313.3	3418.1	*4134.2*	4050.8	3394.9	2175.1	1053.7	256.4
75°	81.2	134.5	586.8	1414.2	2072.4	*2086.5*	2118.3	1574.8	1087.3	501.0	153.7
77.5°	66.8	95.5	231.2	386.3	621.5	*795.6*	825.1	625.2	361.7	123.3	82.0
80°	45.9	45.3	62.2	118.4	177.8	*222.8*	207.9	160.9	94.6	47.3	29.3
82.5°	19.8	21.5	28.1	33.8	27.5	*26.7*	25.5	16.3	12.6	9.8	6.0
85°	6.3	5.7	6.0	6.0	4.9	*3.7*	3.7	1.7	0.0	0.0	0.0
87.5°	3.2	2.6	2.6	2.3	1.4	*0.6*	0.3	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°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	15.2	15.2	14.6	14.1	13.8	13.2	12.9	12.6	12.3	12.0	11.8
5°	16.1	15.8	14.9	14.1	13.2	12.3	11.8	11.2	10.6	10.3	10.0
7.5°	17.5	16.9	15.2	13.8	12.6	11.5	10.9	10.0	9.5	8.6	8.3
10°	19.2	18.1	15.8	14.1	12.3	10.9	10.0	9.2	8.3	7.2	6.9
12.5°	21.5	19.5	16.6	13.8	11.8	10.0	9.2	8.0	7.2	6.3	5.7
15°	23.5	20.9	16.9	13.8	11.2	9.2	8.0	6.9	6.0	4.9	4.3
17.5°	26.4	22.1	16.6	12.9	10.3	8.0	6.9	6.0	4.6	2.9	2.3
20°	31.3	22.9	16.1	12.0	8.9	6.6	5.2	4.0	2.0	0.6	0.0
22.5°	39.0	25.2	15.5	10.9	7.7	5.2	3.4	1.4	0.0	0.0	0.0
25°	53.9	29.3	15.5	10.3	6.9	3.7	1.1	0.0	0.0	0.0	0.0
27.5°	71.7	34.7	15.5	8.9	5.4	2.0	0.0	0.0	0.0	0.0	0.0
30°	89.8	40.7	15.5	7.7	4.3	0.3	0.0	0.0	0.0	0.0	0.0
32.5°	107.0	45.9	15.8	6.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0
35°	124.5	46.7	15.5	5.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	146.8	45.0	14.6	5.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	180.7	45.9	13.8	4.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	243.2	49.6	12.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	420.5	66.5	11.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	695.5	119.6	11.2	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	887.6	150.6	11.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	886.2	167.8	12.3	5.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
55°	787.8	170.9	13.2	6.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	658.5	156.0	15.2	7.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0
58°	*635.6*	*149.1*	*15.8*	*8.0*	*7.5*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	520.8	121.6	20.1	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	359.6	106.1	22.9	12.9	10.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	254.4	95.8	25.0	13.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	190.1	88.3	27.5	14.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	145.7	82.9	33.8	14.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	118.7	76.6	41.0	15.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	98.4	69.1	39.6	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	65.4	53.6	36.1	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	22.9	21.2	28.1	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.4	2.9	4.0	5.2	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	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	11.8	11.8	11.5	11.8	11.8	12.3	13.8	15.8	18.1	18.9	19.8
5°	9.8	9.5	9.2	9.2	9.2	10.0	11.2	13.5	16.1	17.2	17.8
7.5°	8.0	7.7	7.5	7.2	7.2	7.7	9.2	11.8	14.3	15.5	16.3
10°	6.6	6.0	5.7	5.4	5.4	6.0	7.5	10.0	12.9	14.1	15.2
12.5°	5.4	4.6	4.0	3.7	3.4	4.3	5.7	8.0	11.2	12.6	13.8
15°	3.7	2.9	2.0	1.7	1.4	2.3	3.7	6.3	9.5	11.2	12.3
17.5°	2.0	0.9	0.3	0.0	0.0	0.6	1.7	4.6	7.7	9.2	10.6
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.7	7.2	8.6
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.4	4.9	6.3
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.6	3.7
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.7
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	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.2
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: P1065135
CATALOG NUMBER: GLAN-SA1C-722-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
2.5°	20.4	20.1	19.5	18.9	18.9	18.9	19.8	20.6	21.5	21.5
5°	18.9	18.9	18.6	18.1	18.1	18.4	19.5	20.9	22.1	22.4
7.5°	17.5	18.1	17.5	17.2	17.5	17.8	18.9	20.6	22.4	22.9
10°	16.6	16.9	16.9	16.6	16.6	17.2	18.4	20.6	22.9	23.8
12.5°	15.5	16.1	15.8	15.8	15.8	16.3	17.8	20.4	23.5	24.7
15°	14.3	15.2	15.2	14.9	14.9	15.2	17.2	20.1	24.4	26.4
17.5°	13.2	14.1	14.3	13.8	13.8	14.3	16.3	20.1	25.0	28.4
20°	10.9	12.3	13.2	12.3	12.3	12.9	14.9	18.9	25.2	30.4
22.5°	8.6	10.0	11.2	10.9	10.9	11.2	13.8	18.1	25.5	33.8
25°	6.3	7.7	8.6	9.2	9.2	10.0	12.6	17.5	26.7	41.0
27.5°	3.7	5.4	6.6	7.2	7.5	8.6	11.8	16.9	28.7	51.3
30°	1.7	3.2	4.6	5.7	5.7	7.7	10.9	16.3	31.3	66.3
32.5°	0.0	1.4	2.3	4.0	4.3	6.3	10.0	15.8	35.0	80.6
35°	0.0	0.0	1.1	3.2	3.2	5.2	9.2	15.2	40.7	91.5
37.5°	0.0	0.0	0.0	2.3	2.6	4.6	8.9	14.9	41.9	92.3
40°	0.0	0.0	0.0	1.7	2.0	4.3	8.9	15.2	37.9	90.3
42.5°	0.0	0.0	0.0	1.1	1.4	4.3	8.9	15.8	34.1	92.6
45°	0.0	0.0	0.0	0.9	1.1	4.6	8.6	15.5	32.1	104.7
47.5°	0.0	0.0	0.0	1.1	1.7	4.6	8.3	15.2	32.4	144.5
50°	0.0	0.0	0.0	1.4	2.0	4.6	8.6	14.6	35.6	222.3
52.5°	0.0	0.0	0.0	1.1	1.7	5.2	9.5	14.3	38.7	289.1
55°	0.0	0.0	0.0	0.3	0.9	6.6	10.3	14.3	43.6	305.7
57.5°	0.0	0.0	0.0	0.0	0.0	7.5	11.8	15.2	51.6	299.1
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*7.5*	*12.0*	*15.2*	*52.2*	*293.4*
60°	0.0	0.0	0.0	0.0	0.0	7.5	13.2	16.9	56.2	261.3
62.5°	0.0	0.0	0.0	0.0	0.0	6.3	15.8	21.2	58.5	205.3
65°	0.0	0.0	0.0	0.0	0.0	5.2	18.6	23.2	60.2	163.5
67.5°	0.0	0.0	0.0	0.0	0.0	4.9	19.2	23.5	61.1	130.2
70°	0.0	0.0	0.0	0.0	0.0	5.2	18.9	25.2	64.0	105.8
72.5°	0.0	0.0	0.0	0.0	0.0	5.7	17.2	27.8	64.0	93.8
75°	0.0	0.0	0.0	0.0	0.0	6.0	16.1	31.3	58.2	81.2
77.5°	0.0	0.0	0.0	0.0	0.0	5.7	15.8	36.4	51.9	66.8
80°	0.6	0.9	0.9	0.6	0.6	4.9	15.5	37.0	44.2	45.9
82.5°	1.7	2.3	2.0	1.4	1.4	4.3	13.8	31.0	22.9	19.8
85°	3.2	3.7	3.7	3.2	3.2	4.0	8.6	11.2	7.7	6.3
87.5°	4.3	4.9	4.9	4.3	4.3	4.0	3.7	3.4	3.2	3.2
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: SP1-2407-184-2

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

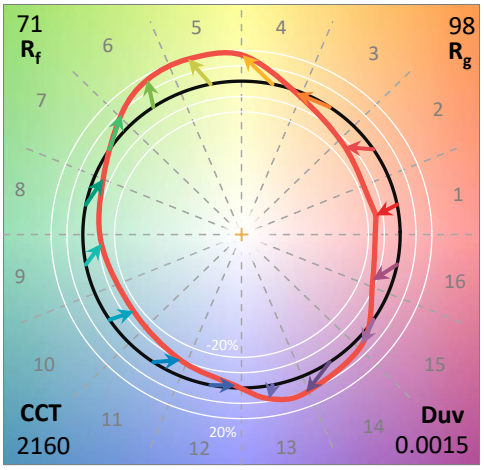
Test Information

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

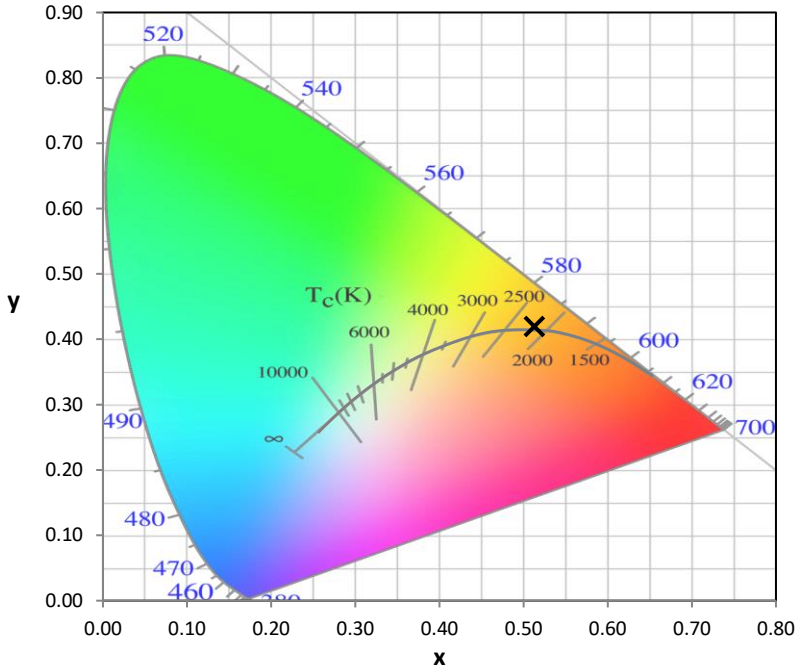
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

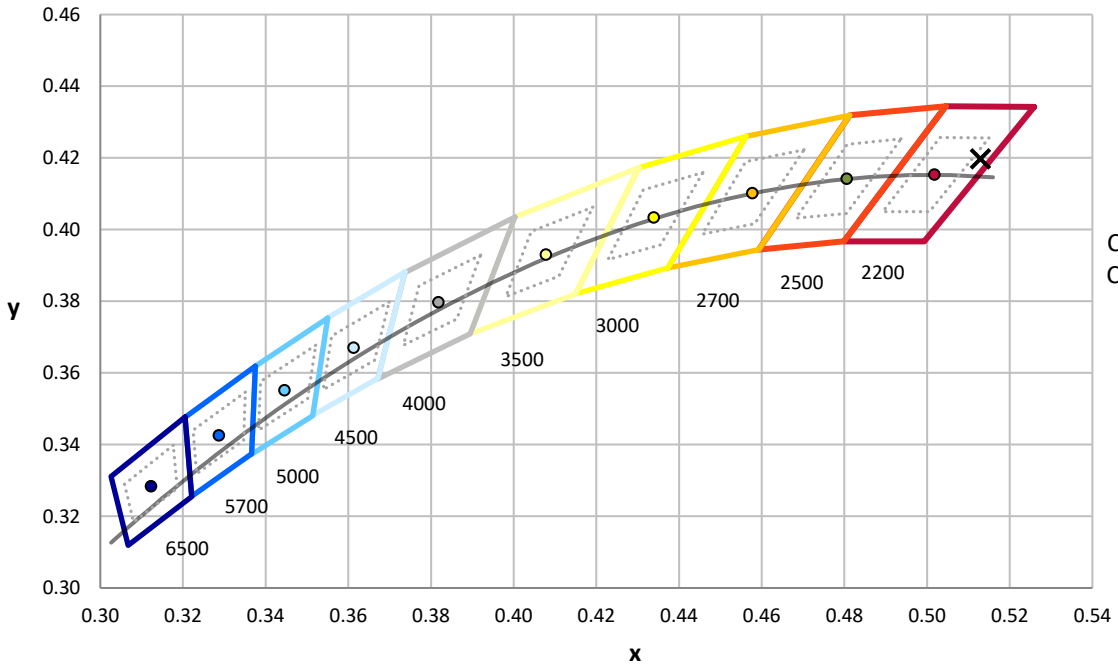
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

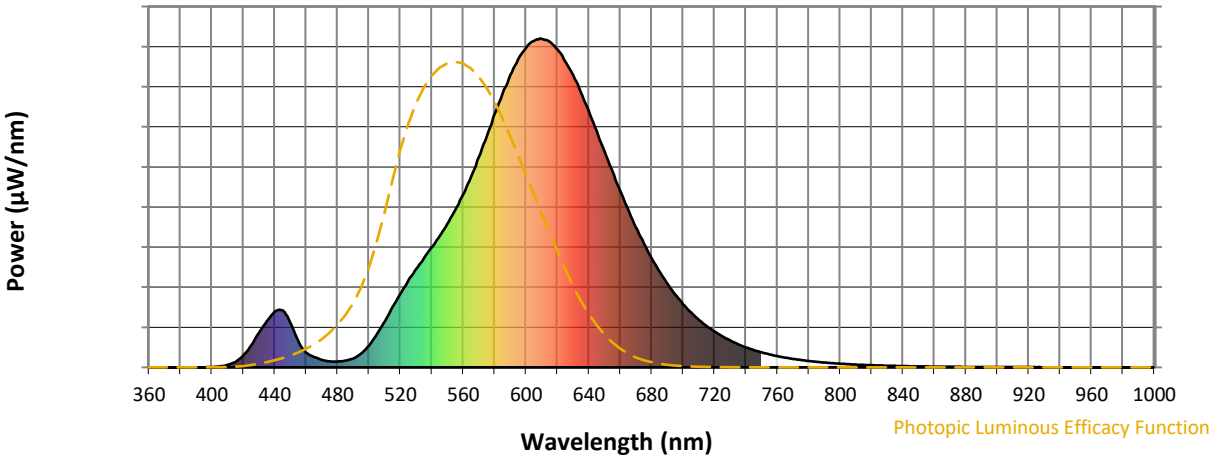


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

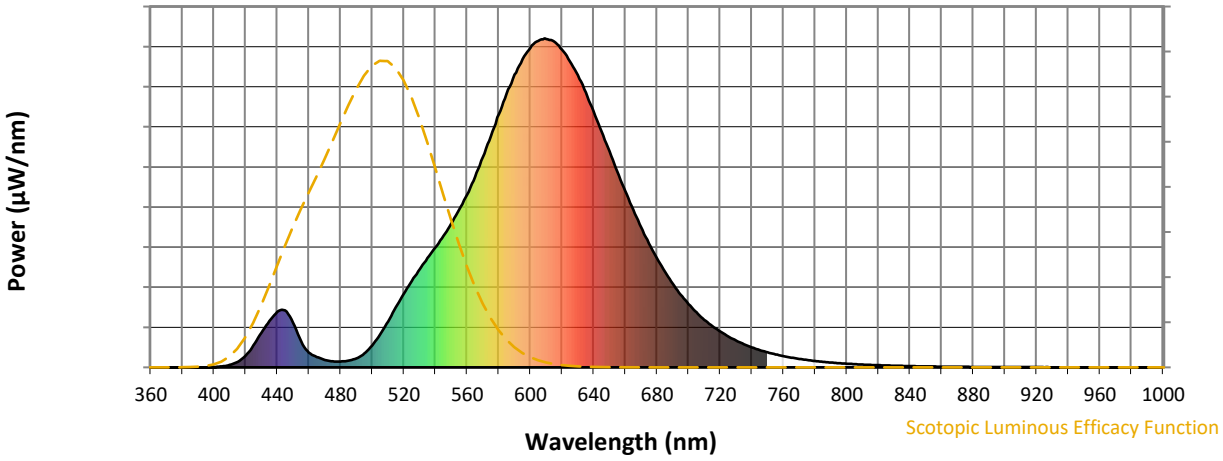


Photopic Lumens: NR

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

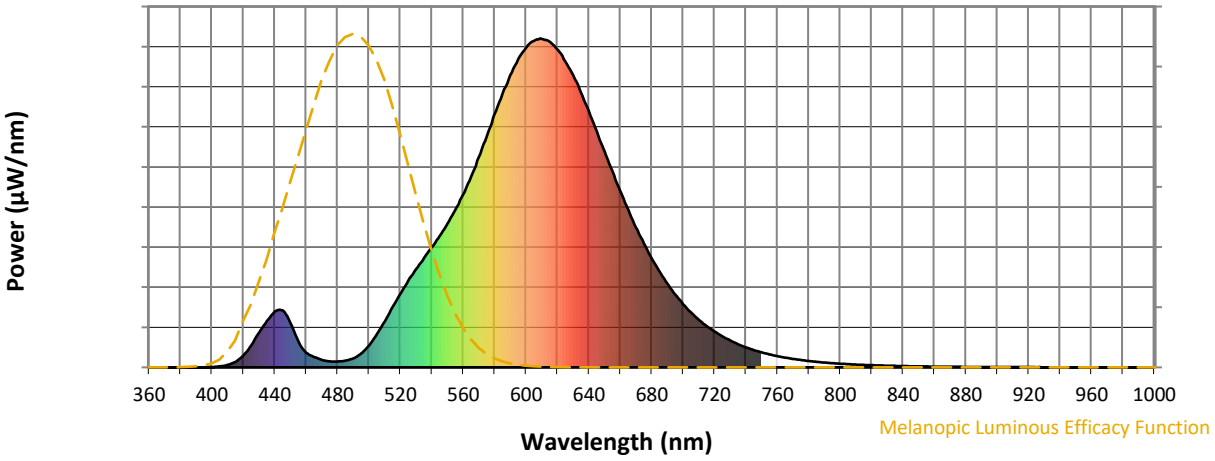


Scotopic Lumens: NR **S/P: 0.8**

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			

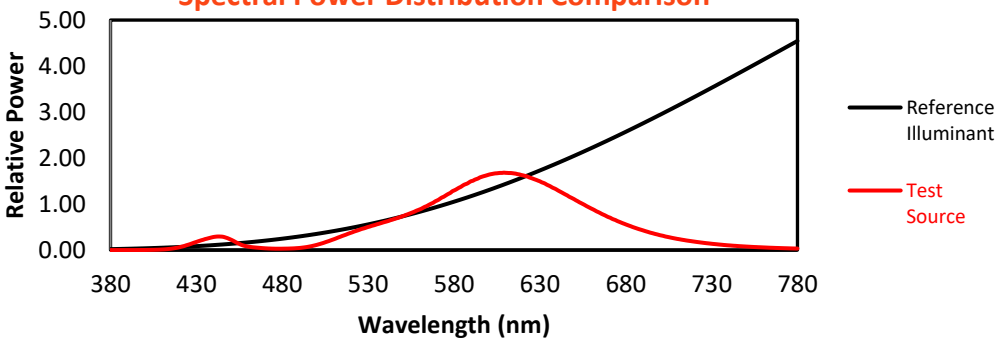
REPORT NUMBER: SP1-2407-184-2

TM-30-18

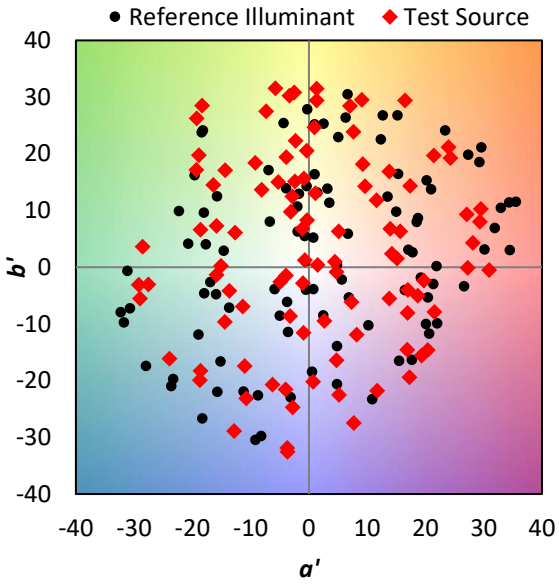
Summary

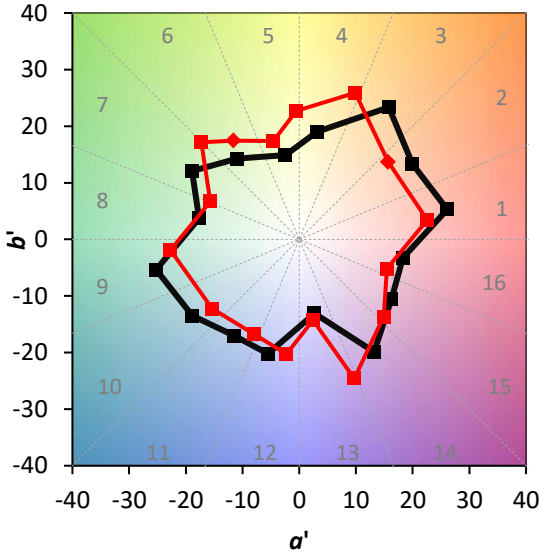
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

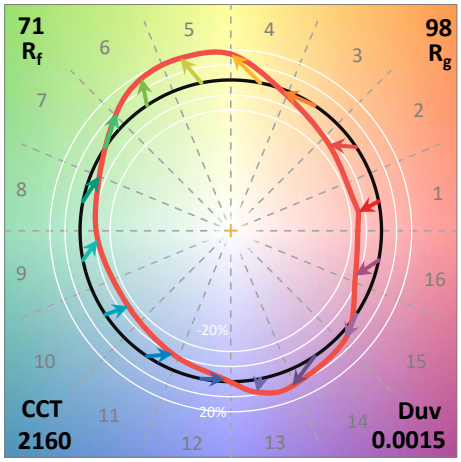
Spectral Power Distribution Comparison

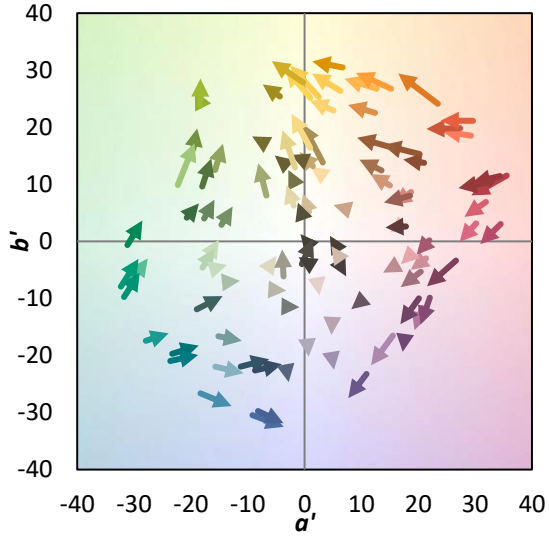


Color Vector Graphics







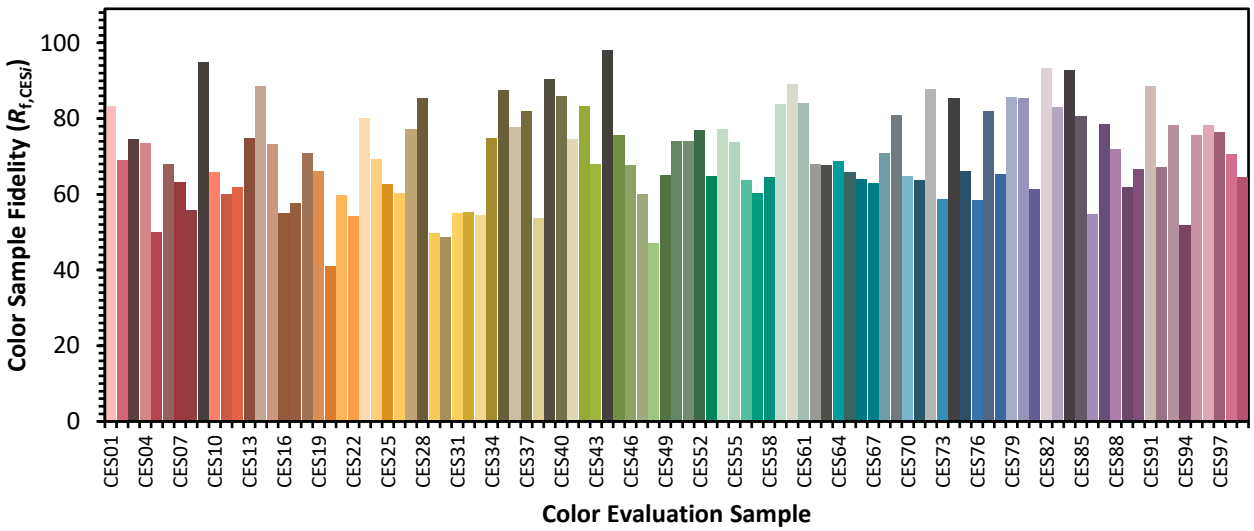


REPORT NUMBER: SP1-2407-184-2

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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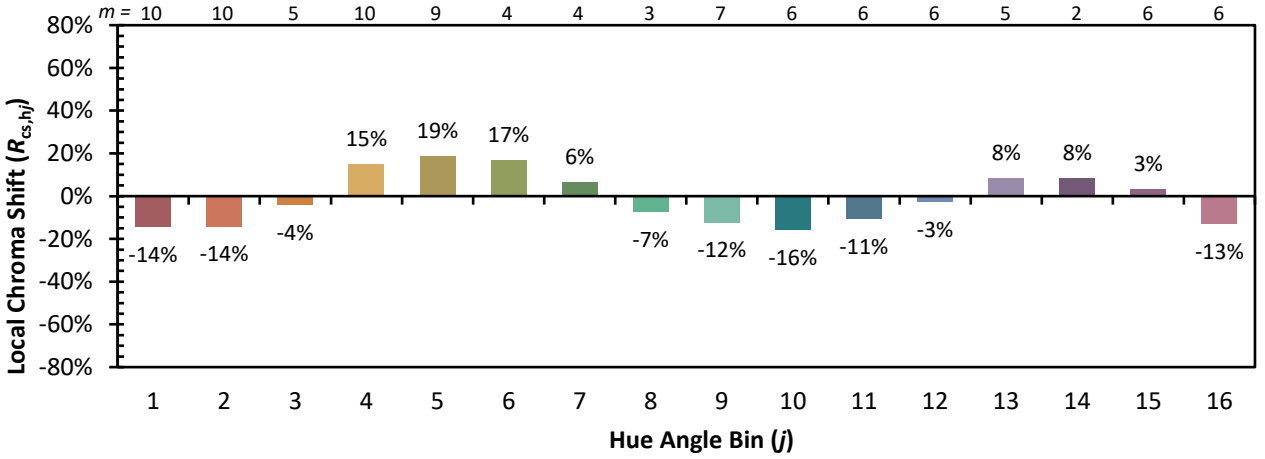
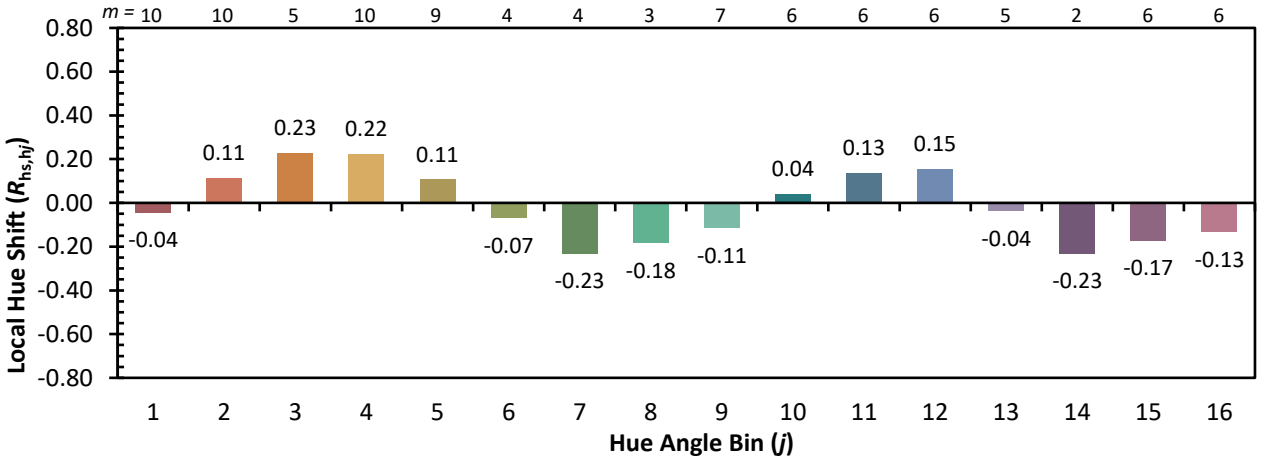
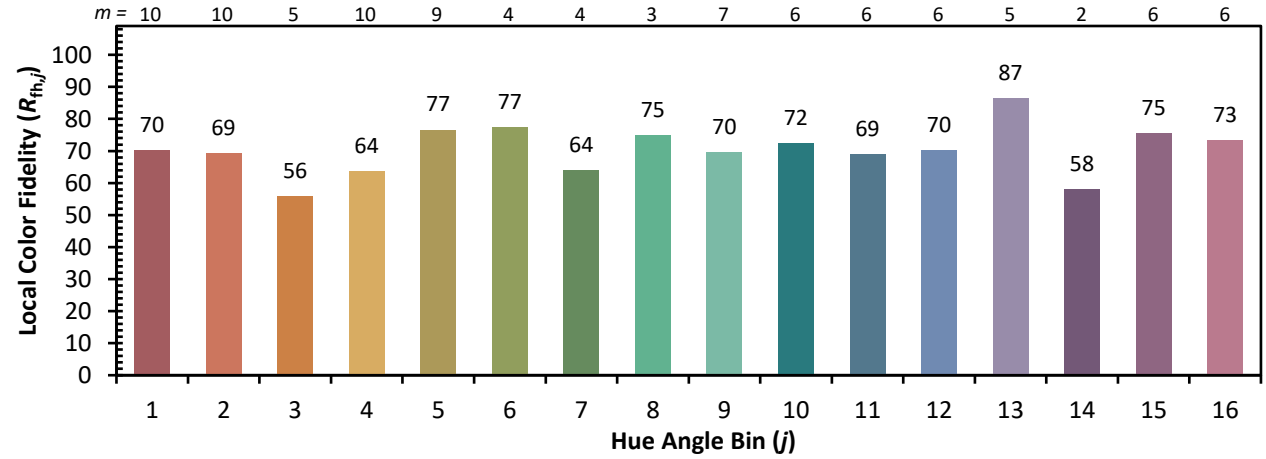
Color Rendition by Hue-Angle Bin







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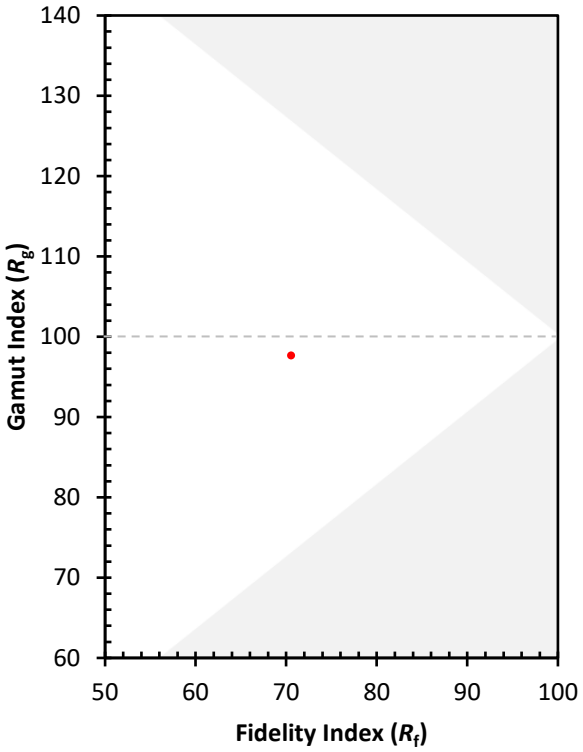
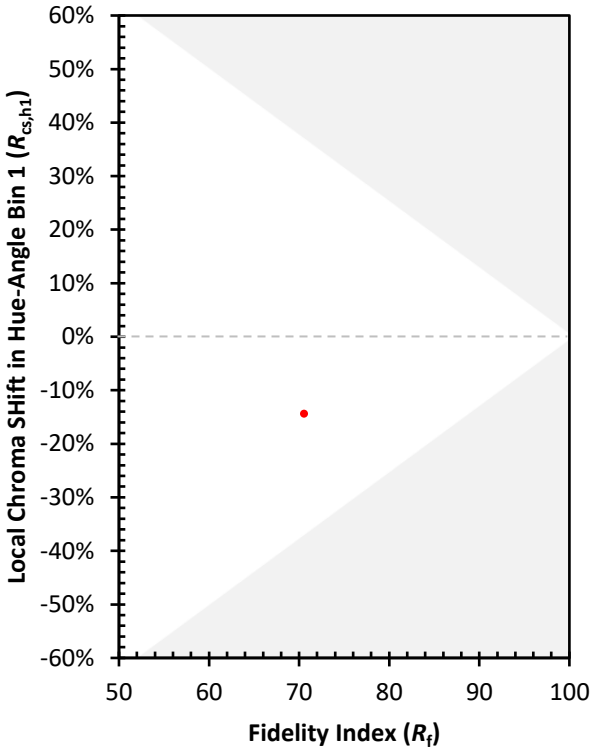
Measure Comparisons





(END OF REPORT)