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: P1065170

Luminaire Tested: **GLAN-SA1B-727-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:	P1065170
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA1B-727-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE 70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(14) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3779.3 lumens
Efficiency:	N/A
Efficacy:	97.7 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):	38.7
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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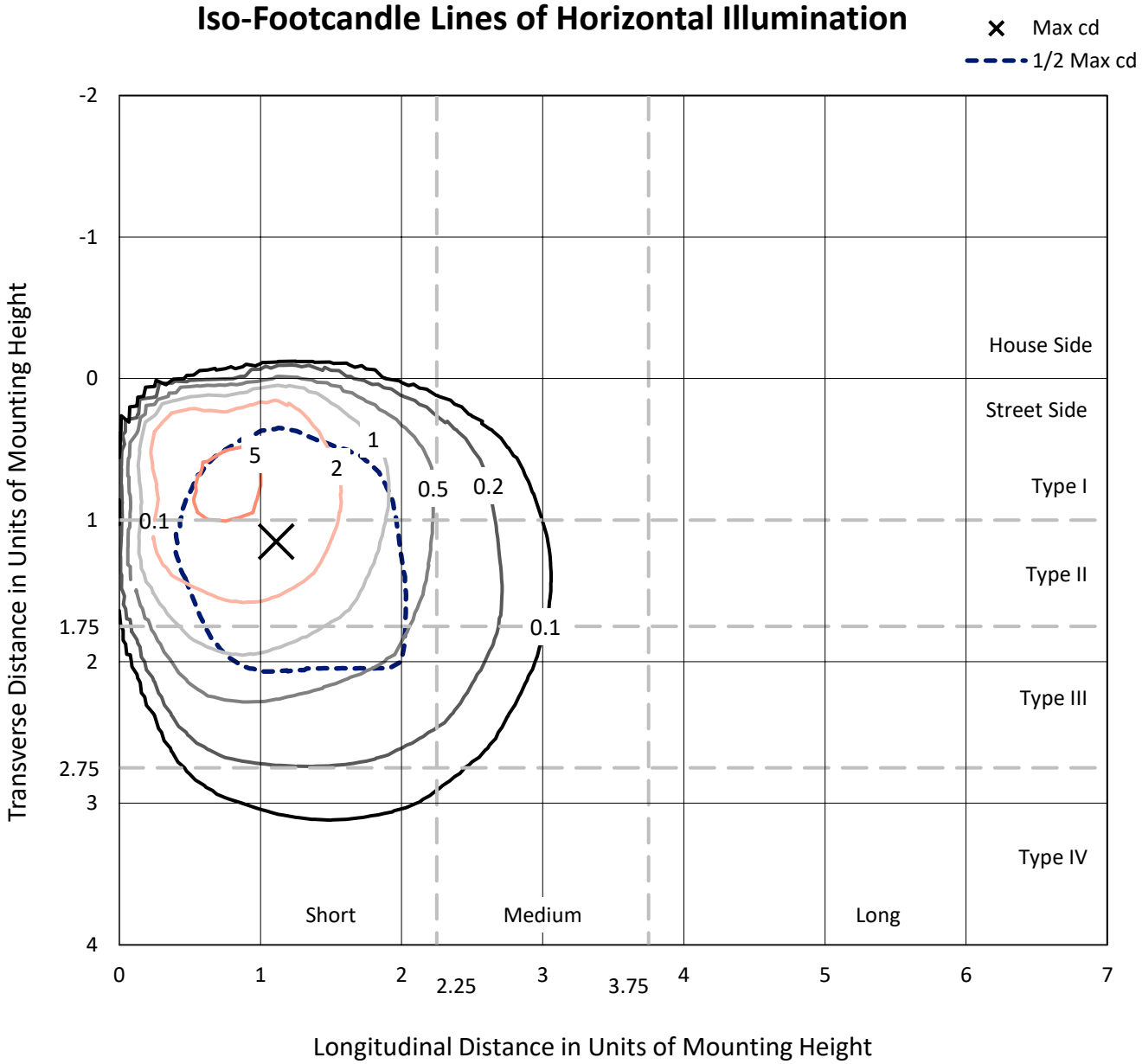
Iso-Footcandle Lines of Horizontal Illumination



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

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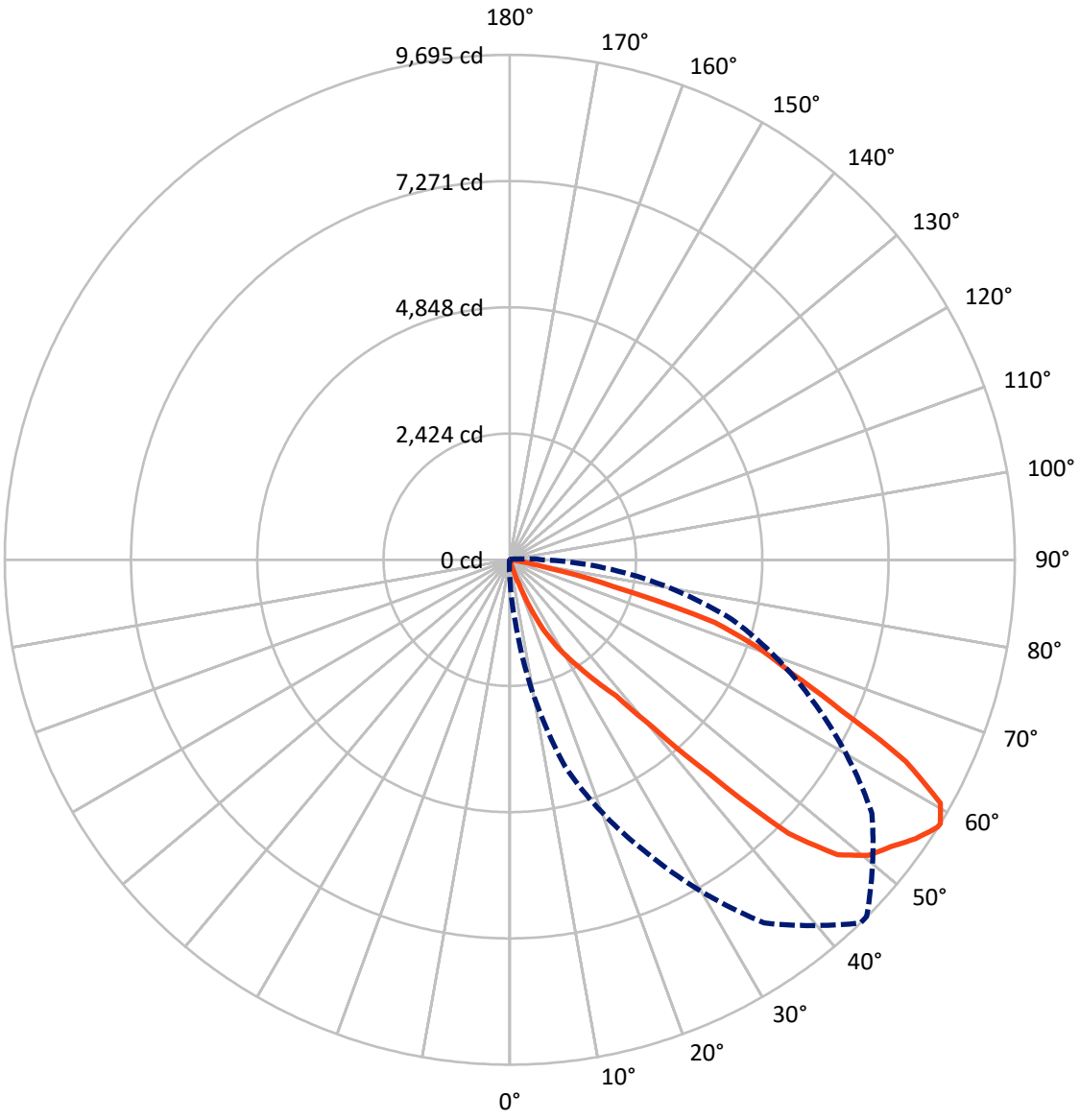
Luminous Intensity Polar Plot



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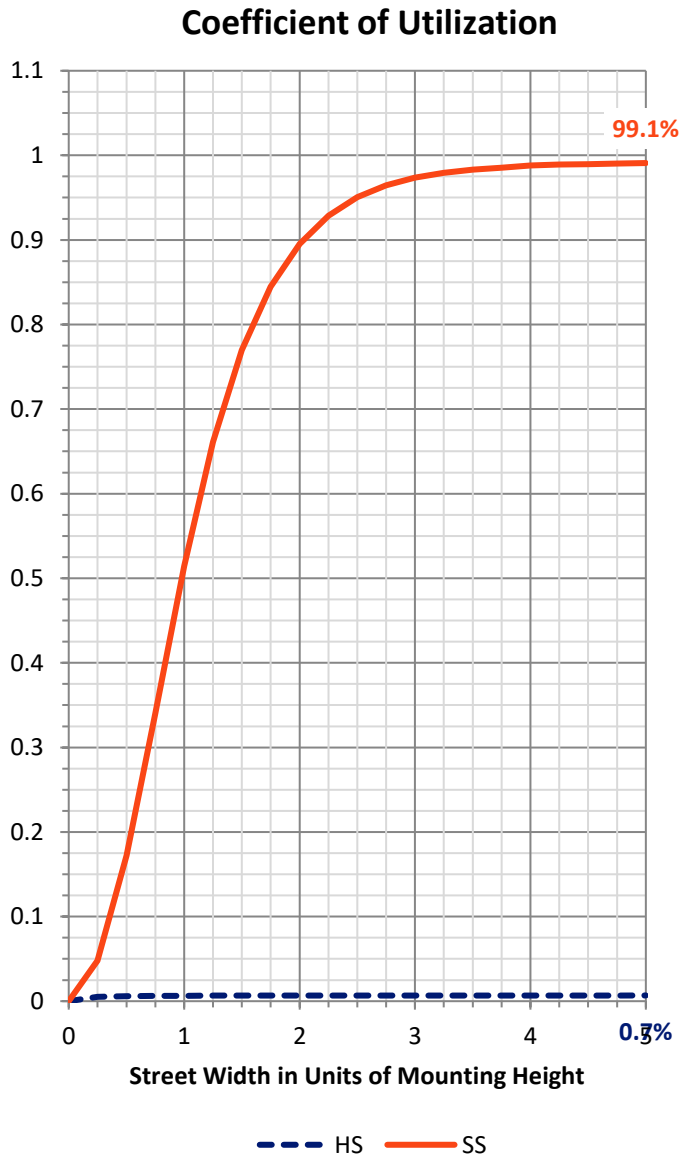
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.8	0.0	25.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	3753.5	0.0	3753.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	3779.3	0.0	3779.3
	% 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°	89.5	2.4
30°-40°	264.8	7.0
40°-50°	789.2	20.9
50°-60°	1252.2	33.1
60°-70°	1044.5	27.6
70°-80°	322.1	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°	3779.3	100.0
0°-180°	3779.3	100.0



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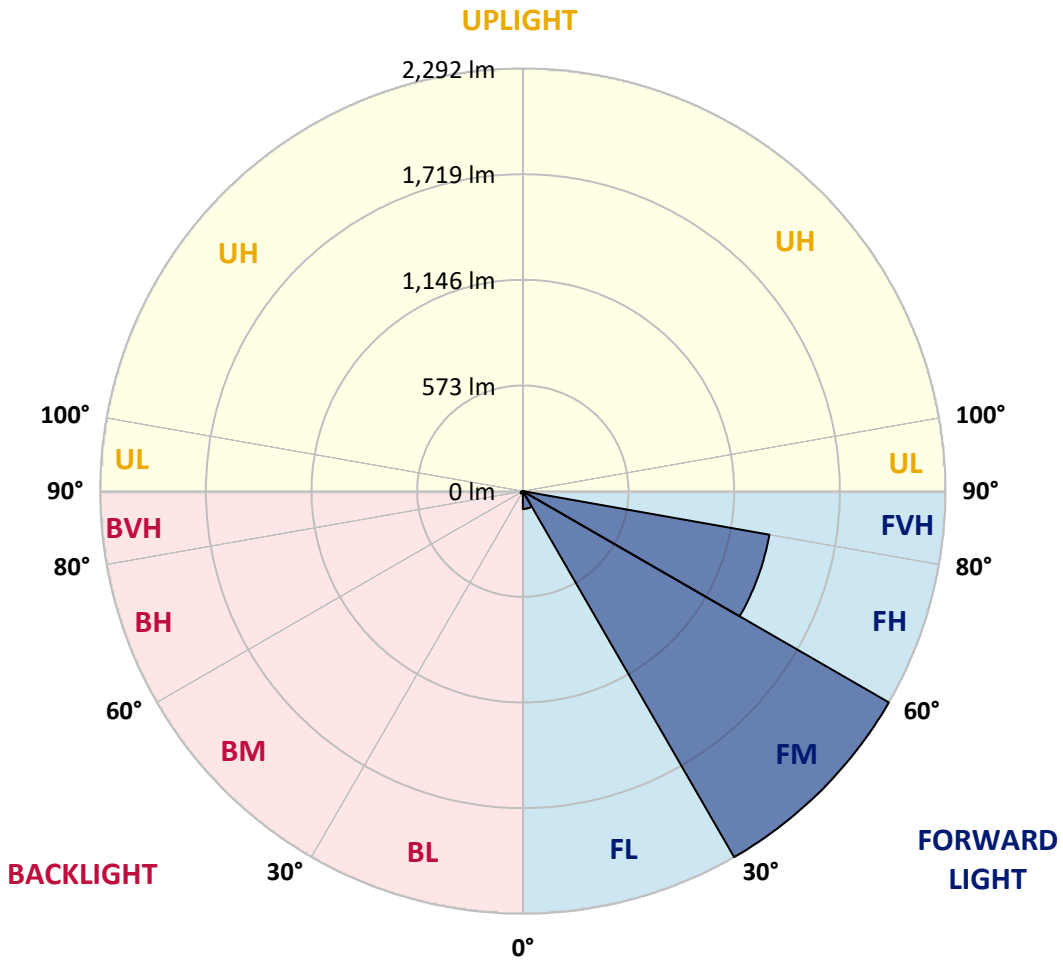
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	96.8	2.6			
FM	(30°-60°)	2292.0	60.6			
FH	(60°-80°)	1357.8	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°)	14.1	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°	21.4	21.4	20.6	19.4	18.3	*17.1*	16.8	16.3	16.0	15.7	15.4
5°	22.3	22.3	22.0	21.1	20.0	*19.1*	19.1	18.3	17.7	17.1	16.6
7.5°	22.8	23.1	23.7	23.4	22.8	*22.0*	22.0	21.4	20.6	19.1	18.3
10°	23.7	24.6	25.7	26.3	26.6	*26.6*	26.3	26.0	24.6	22.6	20.3
12.5°	24.6	26.3	29.1	32.0	33.7	*36.0*	35.7	35.1	31.4	27.1	23.1
15°	26.3	28.8	34.8	43.1	56.0	*64.0*	67.1	64.2	52.0	36.5	26.8
17.5°	28.3	32.5	50.5	90.2	147.9	*175.3*	191.9	178.4	118.2	69.4	33.7
20°	30.3	39.7	93.9	233.8	383.7	*473.3*	498.2	459.4	294.9	132.2	50.0
22.5°	33.7	55.7	190.4	483.3	826.8	*961.2*	986.7	862.5	557.0	260.9	75.1
25°	40.8	80.8	328.3	787.7	1233.9	*1460.9*	1450.3	1287.6	903.6	416.8	114.2
27.5°	51.1	117.6	496.5	1119.1	1623.9	*1824.0*	1848.0	1646.7	1204.5	613.0	162.2
30°	65.9	163.0	676.9	1384.6	1936.5	*2152.9*	2156.9	1948.8	1473.7	785.1	221.0
32.5°	80.2	205.8	834.8	1641.3	2244.5	*2481.8*	2499.5	2243.4	1674.7	964.4	272.1
35°	91.1	233.8	994.7	1866.8	2555.1	*2882.0*	2880.9	2576.8	1912.8	1124.6	342.9
37.5°	91.9	261.8	1139.4	2097.5	2948.6	*3314.6*	3350.8	3015.6	2200.6	1322.7	429.7
40°	89.9	293.2	1322.7	2457.2	3657.4	*4219.0*	4251.0	3828.4	2777.8	1661.8	565.3
42.5°	92.2	347.7	1620.2	3121.6	4834.5	*5641.0*	5702.7	5258.5	3839.0	2353.9	807.1
45°	104.2	450.2	2243.4	4233.0	6512.3	*7495.6*	7475.0	6835.2	5073.8	3407.3	1285.6
47.5°	143.9	701.2	3167.2	5314.7	7584.7	*8460.3*	8478.0	7696.0	5794.3	4217.3	1929.9
50°	221.3	1072.9	3943.5	5886.5	8045.7	*8924.2*	8907.6	8004.0	6068.1	4616.1	2324.8
52.5°	287.8	1341.8	4332.9	6087.2	8104.8	*9153.4*	9152.3	8085.1	6110.7	4650.4	2374.1
55°	304.3	1362.1	4336.0	6098.1	8237.3	*9453.5*	9491.2	8284.7	6165.8	4500.8	2188.3
57.5°	297.8	1205.9	4155.0	6160.9	8473.1	*9685.6*	9687.6	8478.0	6305.6	4409.1	1880.5
58°	*292.1*	*1181.4*	*4118.5*	*6196.6*	*8513.6*	*9695.3*	*9690.4*	*8486.8*	*6419.6*	*4405.7*	*1832.3*
60°	260.1	1025.8	3976.0	6287.7	8453.4	*9496.0*	9450.6	8293.5	6402.7	4370.6	1589.3
62.5°	204.4	800.2	3835.9	6182.3	7807.6	*8531.3*	8550.2	7342.6	5836.9	4165.9	1303.0
65°	162.7	596.4	3543.5	5422.9	6429.3	*7006.0*	7076.2	5970.8	4871.9	3527.5	960.7
67.5°	129.6	431.1	2972.5	4317.5	5087.5	*5847.2*	5898.3	5012.9	3774.5	2702.7	682.6
70°	105.3	291.5	2051.8	3157.5	4196.2	*5050.3*	5053.5	4164.5	2817.2	1770.9	428.2
72.5°	93.4	201.8	1191.1	2302.8	3402.5	*4115.4*	4032.3	3379.4	2165.2	1048.9	255.2
75°	80.8	133.9	584.1	1407.8	2063.0	*2077.0*	2108.6	1567.6	1082.3	498.8	153.0
77.5°	66.5	95.1	230.1	384.6	618.7	*792.0*	821.4	622.4	360.0	122.8	81.7
80°	45.7	45.1	62.0	117.9	177.0	*221.8*	207.0	160.2	94.2	47.1	29.1
82.5°	19.7	21.4	28.0	33.7	27.4	*26.6*	25.4	16.3	12.6	9.7	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°	3.1	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°	15.1	15.1	14.6	14.0	13.7	13.1	12.8	12.6	12.3	12.0	11.7
5°	16.0	15.7	14.8	14.0	13.1	12.3	11.7	11.1	10.6	10.3	10.0
7.5°	17.4	16.8	15.1	13.7	12.6	11.4	10.8	10.0	9.4	8.6	8.3
10°	19.1	18.0	15.7	14.0	12.3	10.8	10.0	9.1	8.3	7.1	6.9
12.5°	21.4	19.4	16.6	13.7	11.7	10.0	9.1	8.0	7.1	6.3	5.7
15°	23.4	20.8	16.8	13.7	11.1	9.1	8.0	6.9	6.0	4.9	4.3
17.5°	26.3	22.0	16.6	12.8	10.3	8.0	6.9	6.0	4.6	2.9	2.3
20°	31.1	22.8	16.0	12.0	8.9	6.6	5.1	4.0	2.0	0.6	0.0
22.5°	38.8	25.1	15.4	10.8	7.7	5.1	3.4	1.4	0.0	0.0	0.0
25°	53.7	29.1	15.4	10.3	6.9	3.7	1.1	0.0	0.0	0.0	0.0
27.5°	71.4	34.5	15.4	8.9	5.4	2.0	0.0	0.0	0.0	0.0	0.0
30°	89.4	40.5	15.4	7.7	4.3	0.3	0.0	0.0	0.0	0.0	0.0
32.5°	106.5	45.7	15.7	6.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0
35°	123.9	46.5	15.4	5.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	146.2	44.8	14.6	5.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	179.9	45.7	13.7	4.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	242.1	49.4	12.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	418.5	66.2	11.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	692.3	119.0	11.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	883.6	149.9	11.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	882.2	167.0	12.3	5.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
55°	784.2	170.2	13.1	6.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	655.5	155.3	15.1	7.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0
58°	*632.6*	*148.5*	*15.7*	*8.0*	*7.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	518.5	121.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	358.0	105.6	22.8	12.8	10.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	253.2	95.4	24.8	13.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	189.3	87.9	27.4	14.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	145.0	82.5	33.7	14.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	118.2	76.2	40.8	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	97.9	68.8	39.4	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	65.1	53.4	36.0	16.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	22.8	21.1	28.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.4	2.9	4.0	5.1	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°	11.7	11.7	11.4	11.7	11.7	12.3	13.7	15.7	18.0	18.8	19.7
5°	9.7	9.4	9.1	9.1	9.1	10.0	11.1	13.4	16.0	17.1	17.7
7.5°	8.0	7.7	7.4	7.1	7.1	7.7	9.1	11.7	14.3	15.4	16.3
10°	6.6	6.0	5.7	5.4	5.4	6.0	7.4	10.0	12.8	14.0	15.1
12.5°	5.4	4.6	4.0	3.7	3.4	4.3	5.7	8.0	11.1	12.6	13.7
15°	3.7	2.9	2.0	1.7	1.4	2.3	3.7	6.3	9.4	11.1	12.3
17.5°	2.0	0.9	0.3	0.0	0.0	0.6	1.7	4.6	7.7	9.1	10.6
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	5.7	7.1	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	3.1
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: P1065170
CATALOG NUMBER: GLAN-SA1B-727-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°	20.3	20.0	19.4	18.8	18.8	18.8	19.7	20.6	21.4	21.4
5°	18.8	18.8	18.6	18.0	18.0	18.3	19.4	20.8	22.0	22.3
7.5°	17.4	18.0	17.4	17.1	17.4	17.7	18.8	20.6	22.3	22.8
10°	16.6	16.8	16.8	16.6	16.6	17.1	18.3	20.6	22.8	23.7
12.5°	15.4	16.0	15.7	15.7	15.7	16.3	17.7	20.3	23.4	24.6
15°	14.3	15.1	15.1	14.8	14.8	15.1	17.1	20.0	24.3	26.3
17.5°	13.1	14.0	14.3	13.7	13.7	14.3	16.3	20.0	24.8	28.3
20°	10.8	12.3	13.1	12.3	12.3	12.8	14.8	18.8	25.1	30.3
22.5°	8.6	10.0	11.1	10.8	10.8	11.1	13.7	18.0	25.4	33.7
25°	6.3	7.7	8.6	9.1	9.1	10.0	12.6	17.4	26.6	40.8
27.5°	3.7	5.4	6.6	7.1	7.4	8.6	11.7	16.8	28.5	51.1
30°	1.7	3.1	4.6	5.7	5.7	7.7	10.8	16.3	31.1	65.9
32.5°	0.0	1.4	2.3	4.0	4.3	6.3	10.0	15.7	34.8	80.2
35°	0.0	0.0	1.1	3.1	3.1	5.1	9.1	15.1	40.5	91.1
37.5°	0.0	0.0	0.0	2.3	2.6	4.6	8.9	14.8	41.7	91.9
40°	0.0	0.0	0.0	1.7	2.0	4.3	8.9	15.1	37.7	89.9
42.5°	0.0	0.0	0.0	1.1	1.4	4.3	8.9	15.7	34.0	92.2
45°	0.0	0.0	0.0	0.9	1.1	4.6	8.6	15.4	32.0	104.2
47.5°	0.0	0.0	0.0	1.1	1.7	4.6	8.3	15.1	32.3	143.9
50°	0.0	0.0	0.0	1.4	2.0	4.6	8.6	14.6	35.4	221.3
52.5°	0.0	0.0	0.0	1.1	1.7	5.1	9.4	14.3	38.5	287.8
55°	0.0	0.0	0.0	0.3	0.9	6.6	10.3	14.3	43.4	304.3
57.5°	0.0	0.0	0.0	0.0	0.0	7.4	11.7	15.1	51.4	297.8
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*7.4*	*12.0*	*15.1*	*52.0*	*292.1*
60°	0.0	0.0	0.0	0.0	0.0	7.4	13.1	16.8	56.0	260.1
62.5°	0.0	0.0	0.0	0.0	0.0	6.3	15.7	21.1	58.2	204.4
65°	0.0	0.0	0.0	0.0	0.0	5.1	18.6	23.1	60.0	162.7
67.5°	0.0	0.0	0.0	0.0	0.0	4.9	19.1	23.4	60.8	129.6
70°	0.0	0.0	0.0	0.0	0.0	5.1	18.8	25.1	63.7	105.3
72.5°	0.0	0.0	0.0	0.0	0.0	5.7	17.1	27.7	63.7	93.4
75°	0.0	0.0	0.0	0.0	0.0	6.0	16.0	31.1	58.0	80.8
77.5°	0.0	0.0	0.0	0.0	0.0	5.7	15.7	36.3	51.7	66.5
80°	0.6	0.9	0.9	0.6	0.6	4.9	15.4	36.8	44.0	45.7
82.5°	1.7	2.3	2.0	1.4	1.4	4.3	13.7	30.8	22.8	19.7
85°	3.1	3.7	3.7	3.1	3.1	4.0	8.6	11.1	7.7	6.3
87.5°	4.3	4.9	4.9	4.3	4.3	4.0	3.7	3.4	3.1	3.1
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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

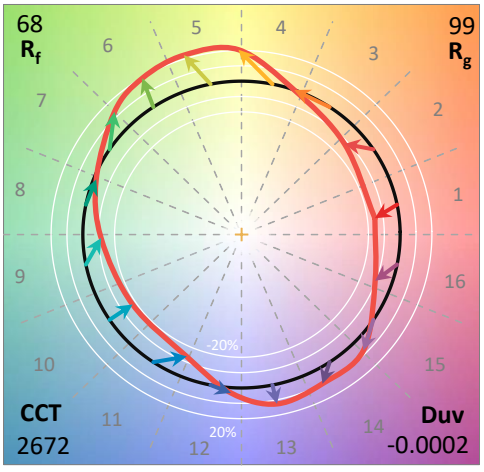
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-3
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-727-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672
CIE u':	0.2638
CIE v':	0.5276
Duv:	-0.0002
CIE x:	0.4619
CIE y:	0.4106
CIE z:	0.1275
Peak Wavelength (nm):	601
Dominant Wavelength (nm):	584
Purity:	61.88407
Rf:	67.9
Rg:	98.6

CRI (Ra):	71.1
R1:	68.3
R2:	79.8
R3:	91.2
R4:	69.4
R5:	66.5
R6:	72.6
R7:	77.0
R8:	44.1
R9:	-27.8
R10:	54.4
R11:	65.8
R12:	45.6
R13:	69.8
R14:	94.5
R15:	60.1



Test Conditions

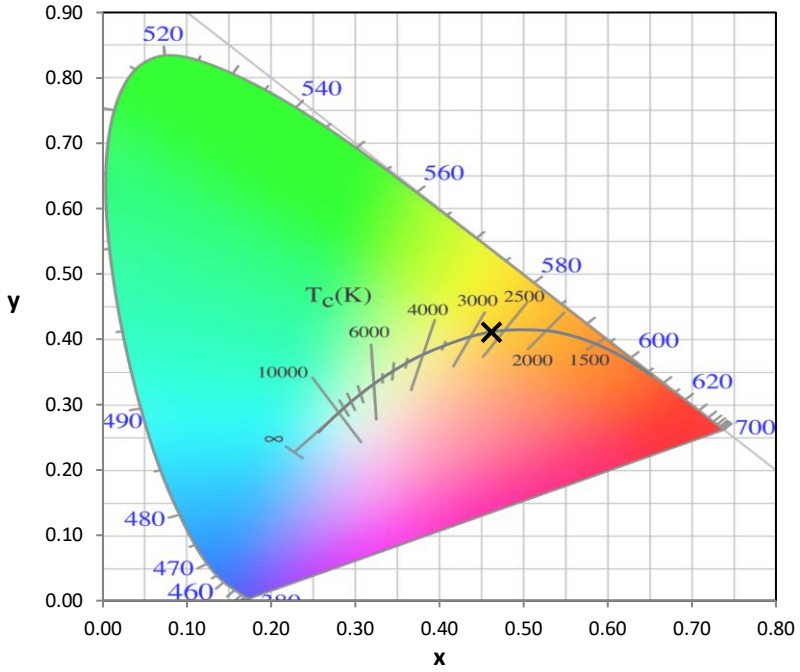
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

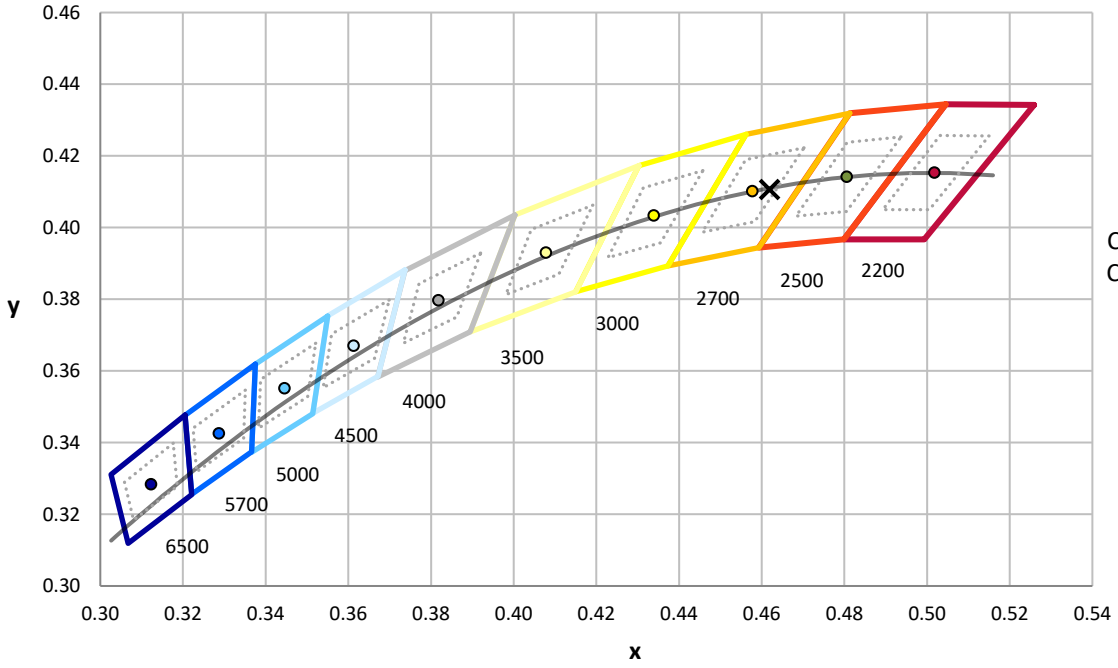
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



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

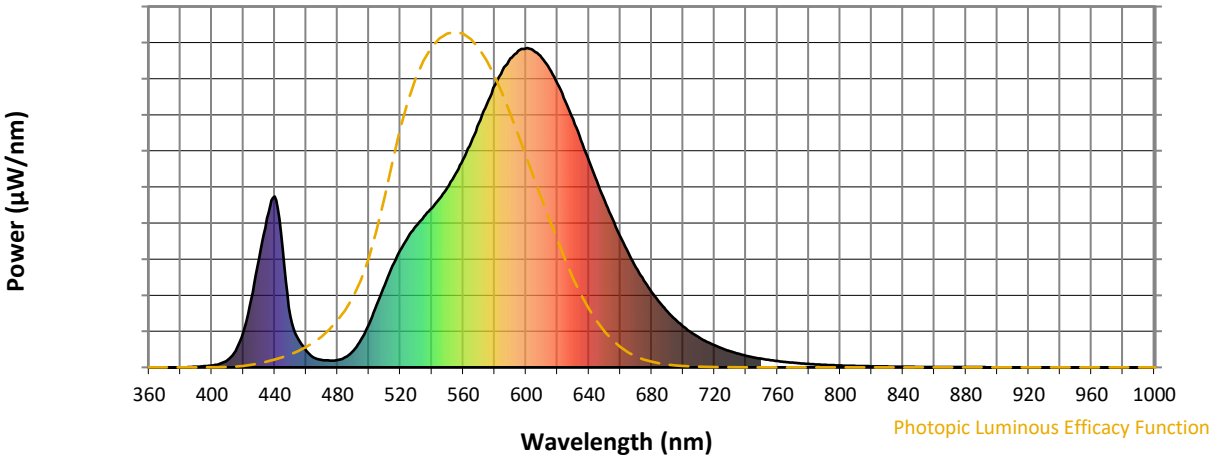


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

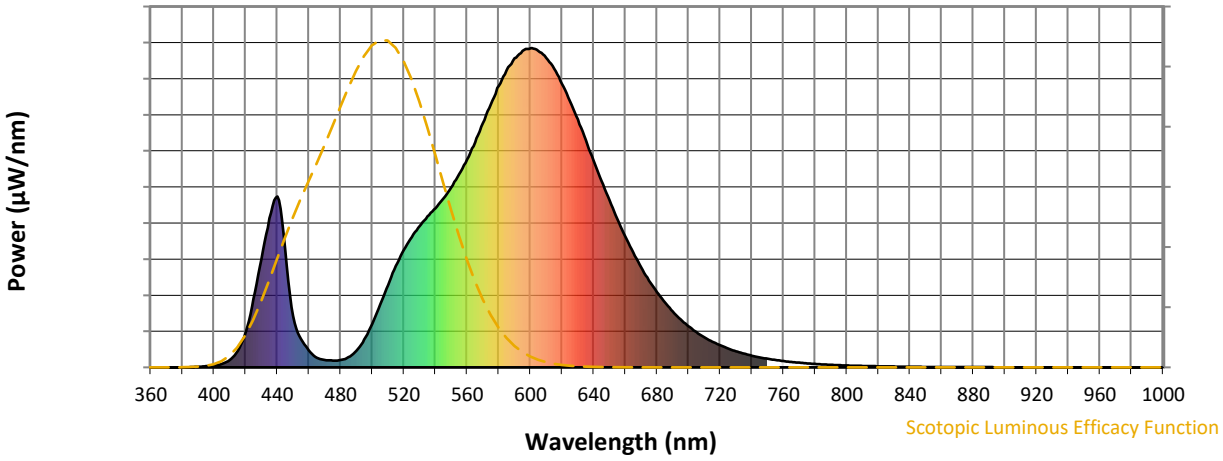


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength

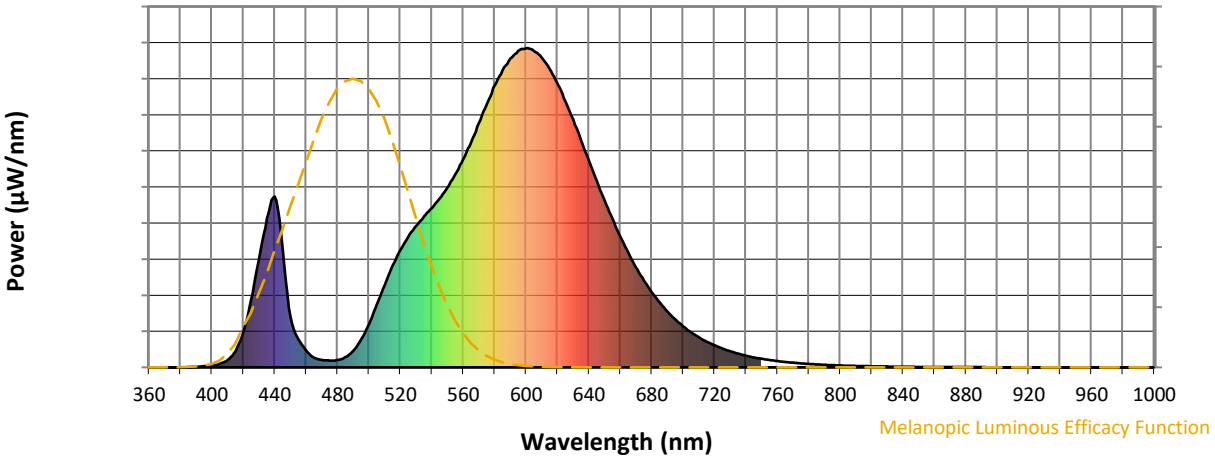


Scotopic Lumens: NR **S/P: 1.02**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.71**

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

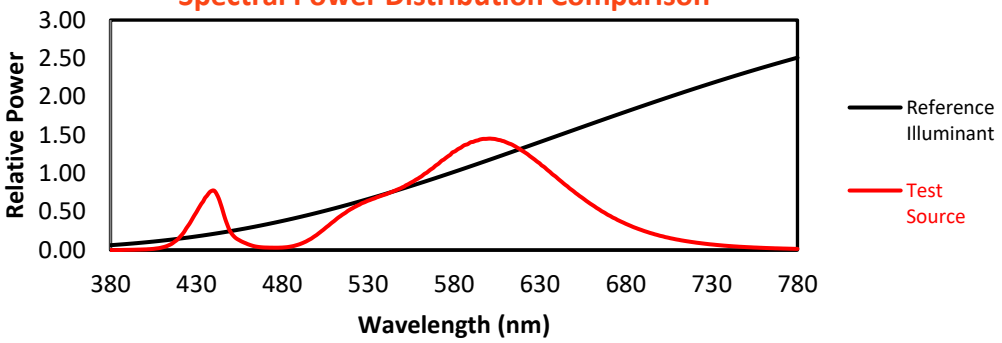
REPORT NUMBER: SP1-2407-184-3

TM-30-18

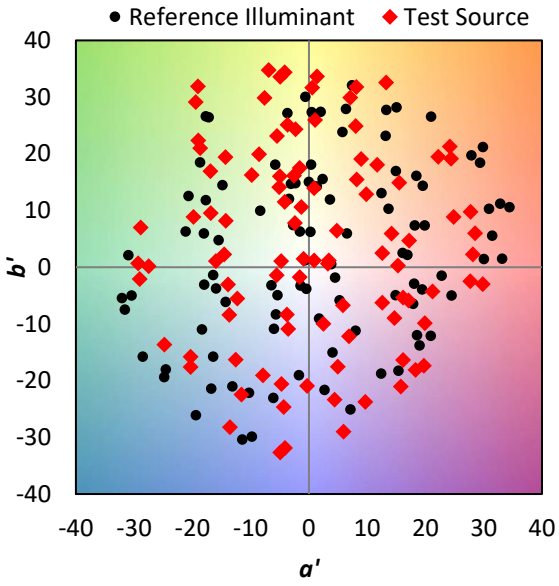
Summary

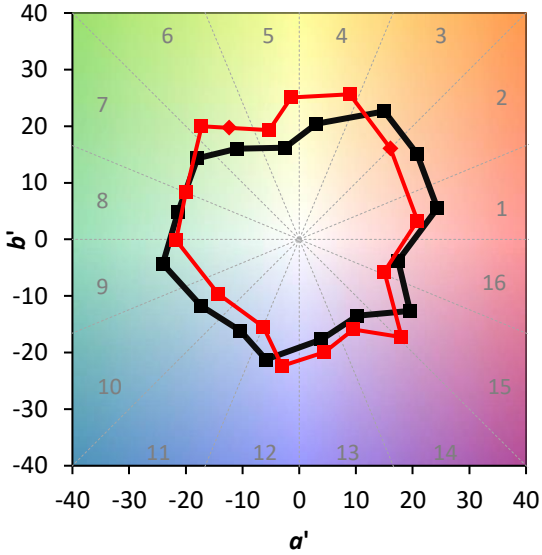
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

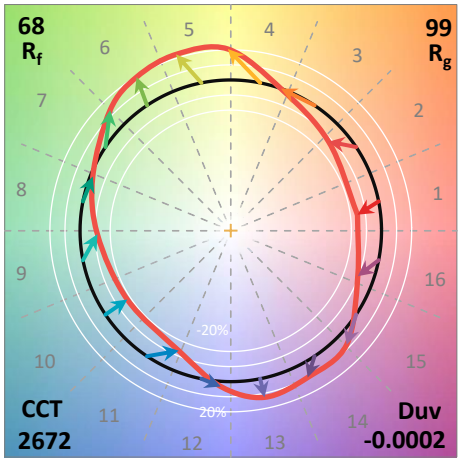
Spectral Power Distribution Comparison

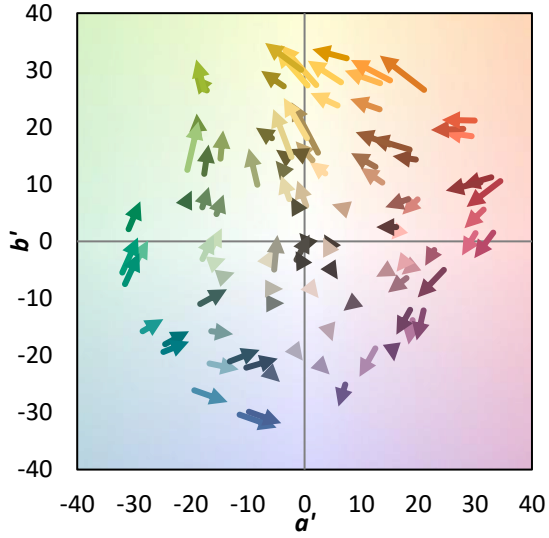


Color Vector Graphics







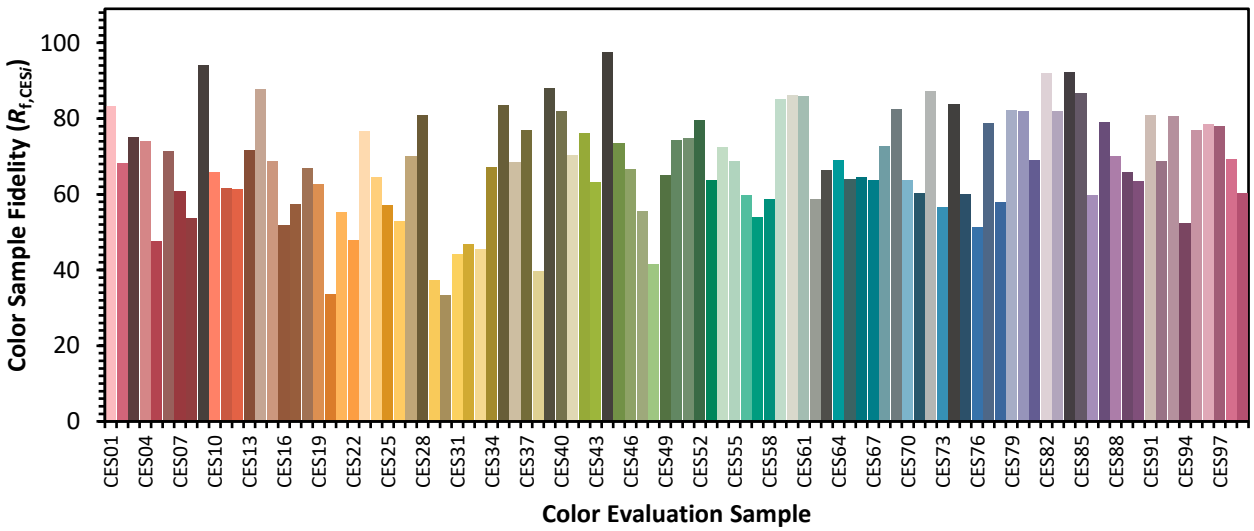


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



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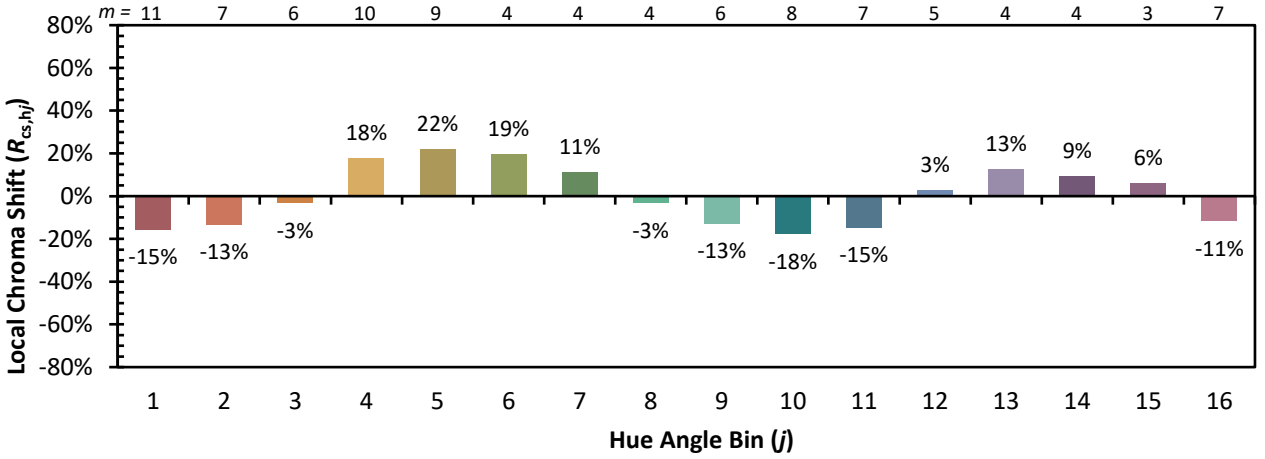
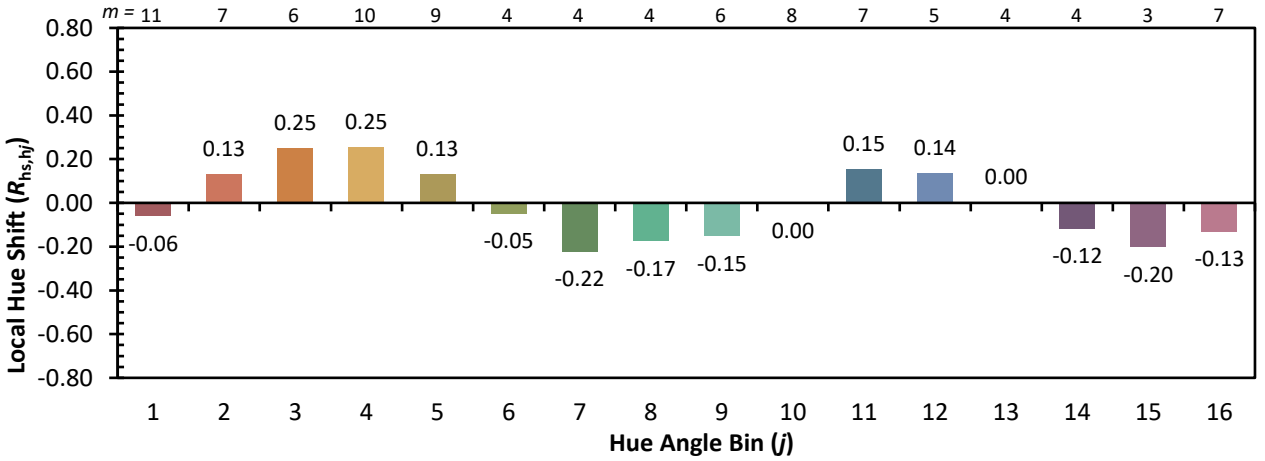
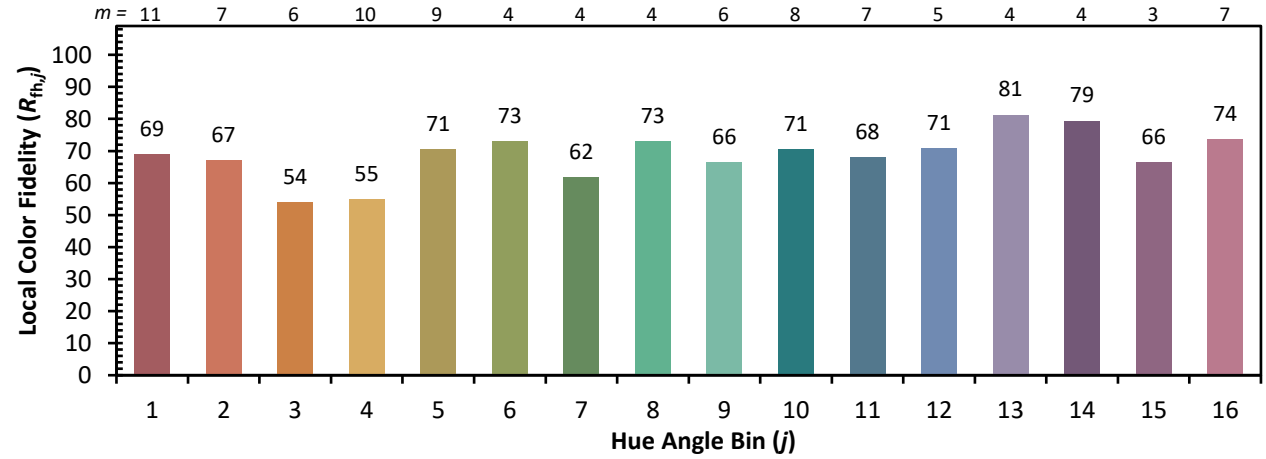
Color Rendition by Hue-Angle Bin







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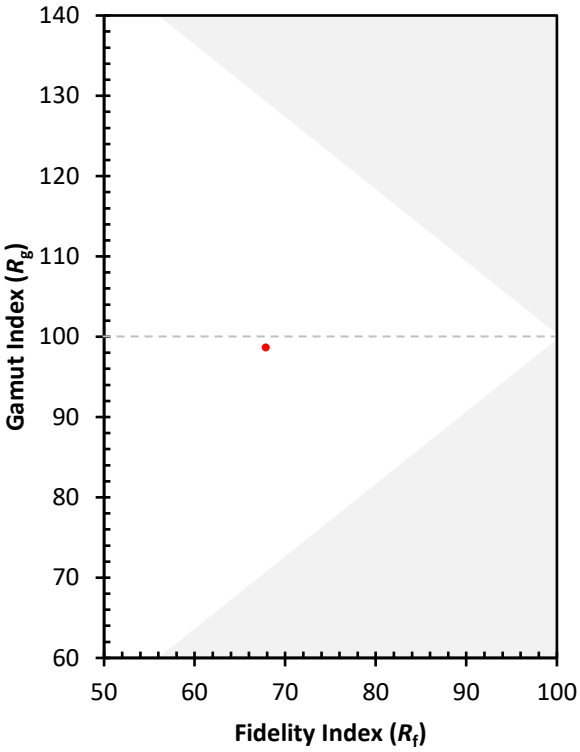
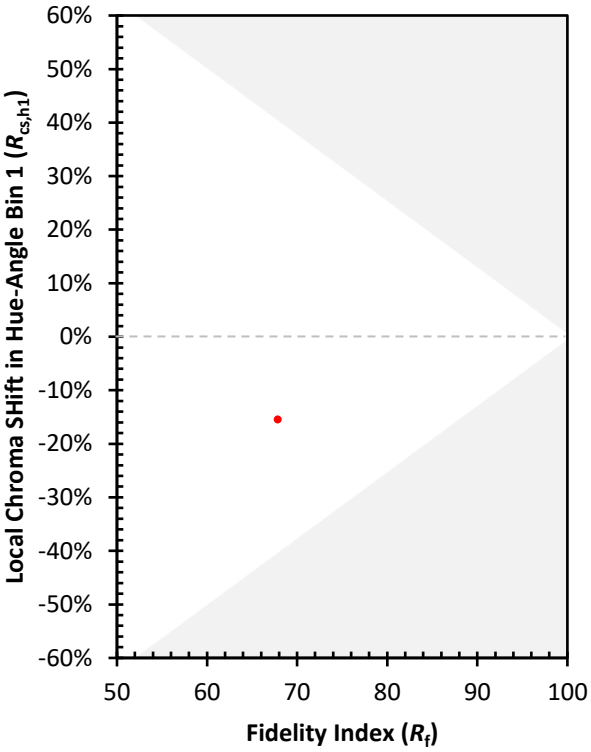
Measure Comparisons





(END OF REPORT)