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

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1049538

Luminaire Tested: **GALN-SA2B-727-U-LBC**

Issue Date: 07/10/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1049538
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	07/10/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SA2B-727-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 2xLight Square PACKAGE 70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(28) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7589.4 lumens
Efficiency:	N/A
Efficacy:	104.2 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):	72.8
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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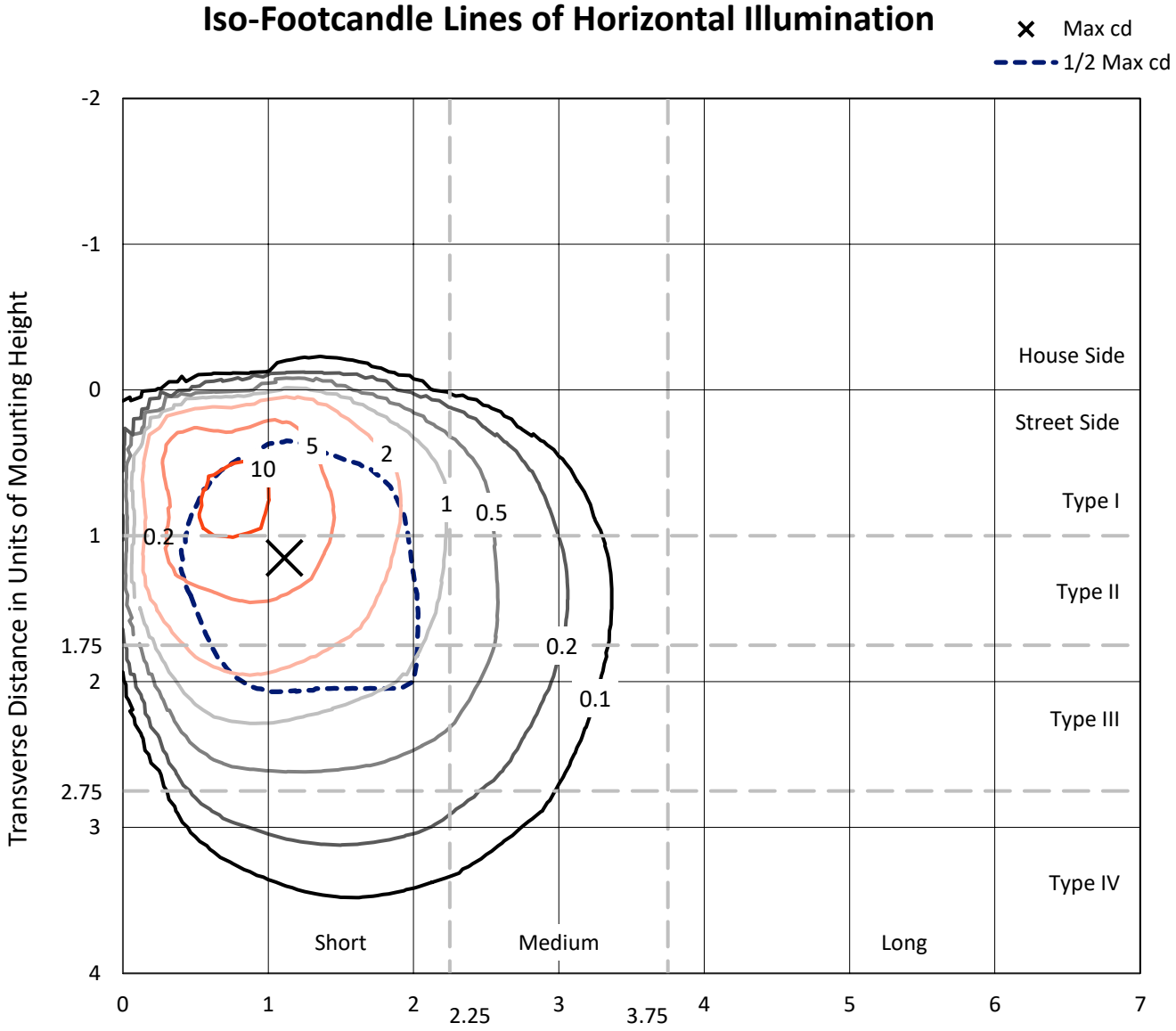
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 13.2 fc
Type III - Short - N/A

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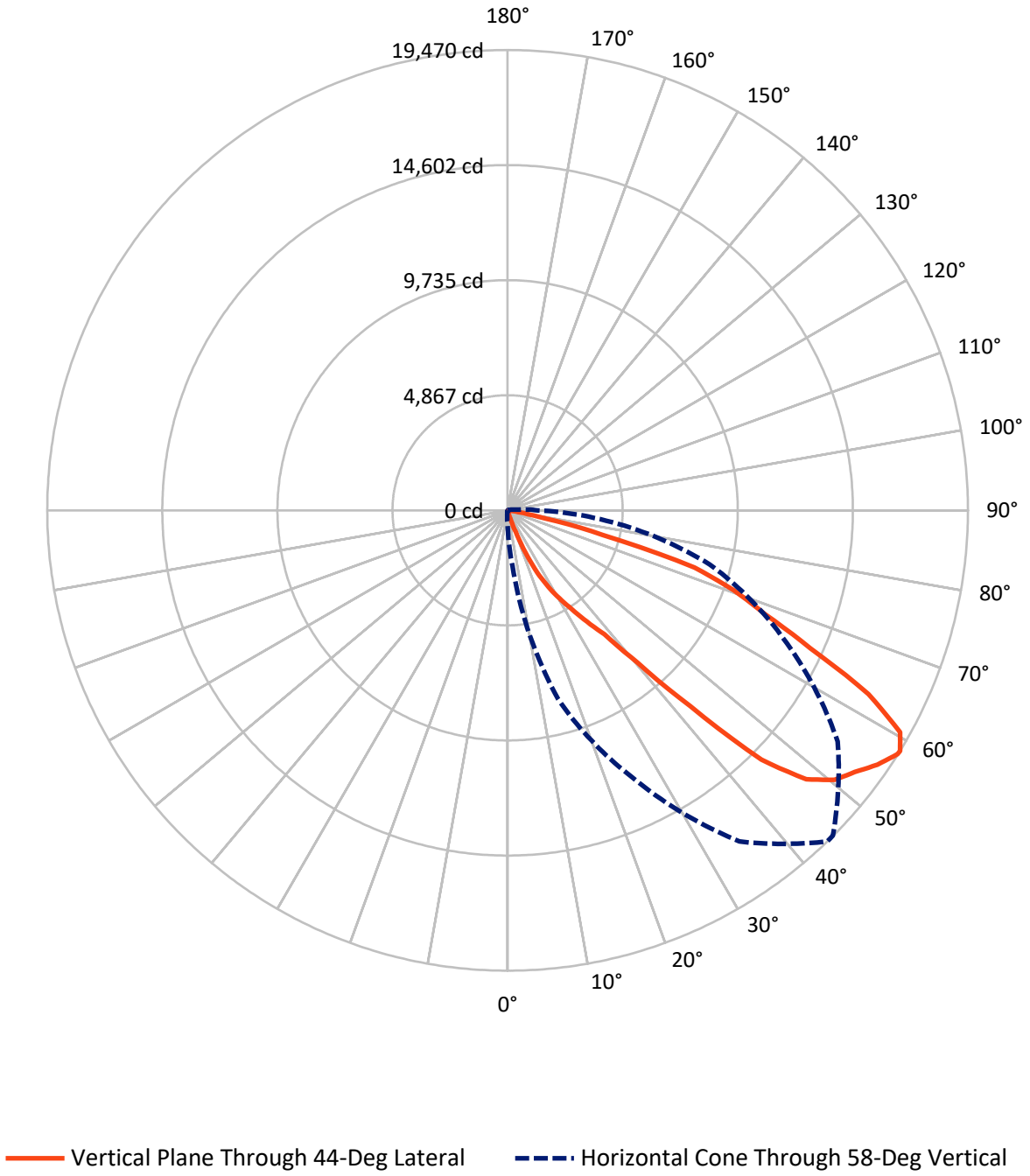
Luminous Intensity Polar Plot



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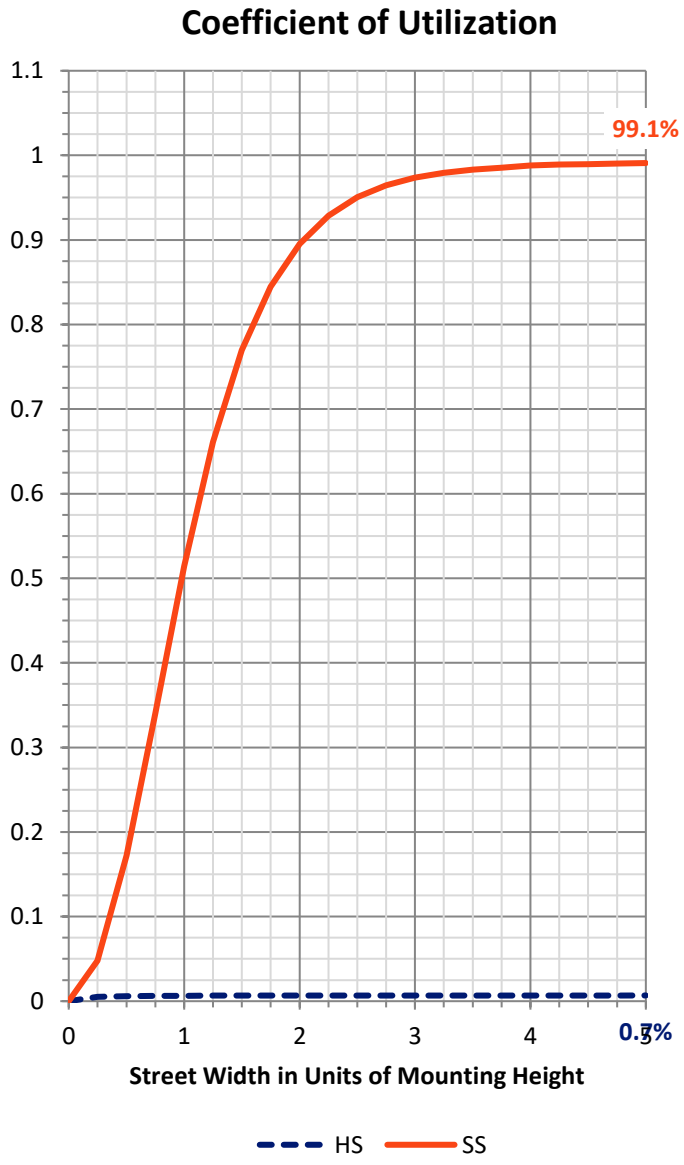
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.8	0.0	51.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	7537.5	0.0	7537.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	7589.4	0.0	7589.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.0
10°-20°	16.6	0.2
20°-30°	179.8	2.4
30°-40°	531.7	7.0
40°-50°	1584.8	20.9
50°-60°	2514.7	33.1
60°-70°	2097.5	27.6
70°-80°	646.9	8.5
80°-90°	14.4	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°	7589.4	100.0
0°-180°	7589.4	100.0



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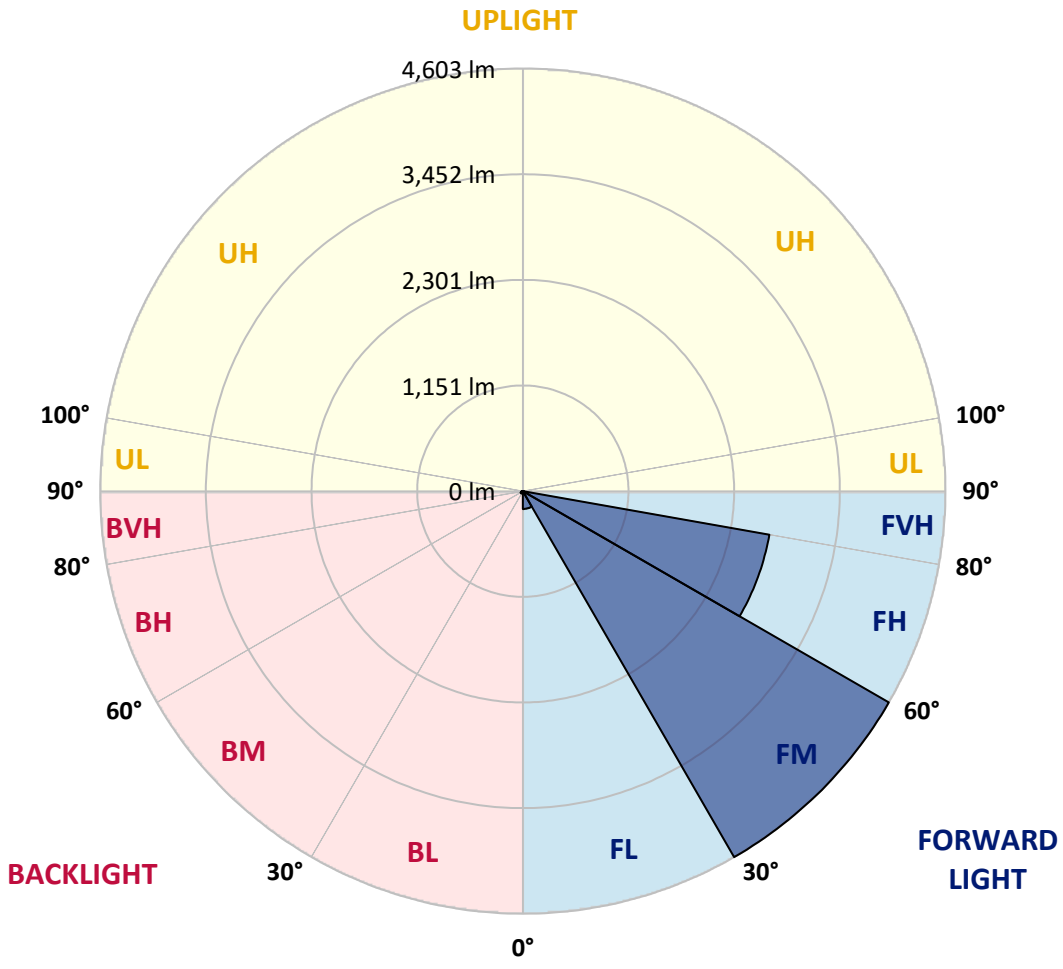
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	194.3	2.6			
FM	(30°-60°)	4602.8	60.6			
FH	(60°-80°)	2726.7	35.9			G2/5000
FVH	(80°-90°)	13.7	0.2			G1/100
BL	(0°-30°)	5.1	0.1	B0/110		
BM	(30°-60°)	28.4	0.4	B0/220		
BH	(60°-80°)	17.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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°	85°
0°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	43.0	43.0	41.3	39.0	36.7	34.4	33.8	32.7	32.1	31.5	31.0
5°	44.7	44.7	44.1	42.4	40.1	38.4	38.4	36.7	35.5	34.4	33.3
7.5°	45.9	46.4	47.6	47.0	45.9	44.1	44.1	43.0	41.3	38.4	36.7
10°	47.6	49.3	51.6	52.7	53.3	53.3	52.7	52.2	49.3	45.3	40.7
12.5°	49.3	52.7	58.5	64.2	67.7	72.2	71.7	70.5	63.1	54.5	46.4
15°	52.7	57.9	69.9	86.6	112.4	128.4	134.7	129.0	104.3	73.4	53.9
17.5°	56.8	65.4	101.5	181.2	297.0	352.0	385.3	358.3	237.4	139.3	67.7
20°	60.8	79.7	188.6	469.5	770.5	950.6	1000.4	922.5	592.2	265.4	100.3
22.5°	67.7	111.8	382.4	970.6	1660.3	1930.3	1981.4	1732.0	1118.5	524.0	150.8
25°	82.0	162.2	659.3	1581.8	2477.9	2933.6	2912.4	2585.6	1814.5	837.0	229.3
27.5°	102.6	236.2	997.0	2247.4	3261.0	3662.9	3711.0	3306.9	2418.8	1230.9	325.6
30°	132.4	327.4	1359.3	2780.6	3888.8	4323.3	4331.4	3913.4	2959.4	1576.6	443.7
32.5°	161.1	413.4	1676.4	3296.0	4507.4	4983.8	5019.3	4505.1	3363.0	1936.6	546.4
35°	182.9	469.5	1997.4	3748.9	5131.1	5787.6	5785.3	5174.7	3841.2	2258.3	688.5
37.5°	184.6	525.7	2288.1	4212.1	5921.2	6656.2	6729.0	6055.9	4419.1	2656.2	862.8
40°	180.6	588.8	2656.2	4934.5	7344.7	8472.4	8536.6	7688.1	5578.3	3337.3	1135.2
42.5°	185.2	698.3	3253.5	6268.6	9708.5	11328.1	11451.9	10559.8	7709.3	4727.0	1620.8
45°	209.3	904.1	4505.1	8500.5	13077.8	15052.3	15011.0	13726.2	10188.9	6842.5	2581.6
47.5°	288.9	1408.1	6360.3	10672.8	15231.2	16989.5	17025.1	15454.8	11635.9	8469.0	3875.6
50°	444.3	2154.5	7919.2	11821.1	16157.1	17921.2	17887.9	16073.4	12185.8	9269.9	4668.5
52.5°	577.9	2694.6	8701.2	12224.2	16275.8	18381.5	18379.2	16236.2	12271.2	9338.7	4767.7
55°	611.2	2735.3	8707.5	12245.9	16541.8	18984.1	19059.8	16636.9	12381.8	9038.3	4394.4
57.5°	598.0	2421.7	8344.0	12372.1	17015.3	19450.2	19454.2	17025.1	12662.7	8854.2	3776.4
58°	586.5	2372.4	8270.6	12443.7	17096.7	19469.7	19459.9	17042.9	12891.5	8847.4	3679.5
60°	522.3	2059.9	7984.5	12626.6	16975.8	19069.5	18978.4	16654.7	12857.7	8776.8	3191.6
62.5°	410.5	1607.0	7703.0	12415.1	15678.9	17132.3	17170.1	14745.0	11721.4	8365.8	2616.6
65°	326.8	1197.6	7116.0	10890.1	12911.0	14069.1	14210.1	11990.3	9783.6	7083.8	1929.2
67.5°	260.3	865.7	5969.3	8670.2	10216.4	11742.0	11844.6	10066.8	7579.8	5427.5	1370.8
70°	211.6	585.4	4120.4	6340.8	8426.5	10141.9	10148.2	8362.9	5657.4	3556.3	860.0
72.5°	187.5	405.3	2391.9	4624.3	6832.7	8264.3	8097.5	6786.3	4348.0	2106.3	512.5
75°	162.2	268.9	1173.0	2827.0	4142.8	4170.8	4234.5	3148.1	2173.4	1001.6	307.3
77.5°	133.6	190.9	462.1	772.3	1242.4	1590.4	1649.4	1249.8	722.9	246.5	164.0
80°	91.7	90.6	124.4	236.8	355.5	445.5	415.7	321.6	189.2	94.6	58.5
82.5°	39.6	43.0	56.2	67.7	55.0	53.3	51.0	32.7	25.2	19.5	12.0
85°	12.6	11.5	12.0	12.0	9.7	7.5	7.5	3.4	0.0	0.0	0.0
87.5°	6.3	5.2	5.2	4.6	2.9	1.1	0.6	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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	30.4	30.4	29.2	28.1	27.5	26.4	25.8	25.2	24.7	24.1	23.5
5°	32.1	31.5	29.8	28.1	26.4	24.7	23.5	22.4	21.2	20.6	20.1
7.5°	35.0	33.8	30.4	27.5	25.2	22.9	21.8	20.1	18.9	17.2	16.6
10°	38.4	36.1	31.5	28.1	24.7	21.8	20.1	18.3	16.6	14.3	13.8
12.5°	43.0	39.0	33.3	27.5	23.5	20.1	18.3	16.1	14.3	12.6	11.5
15°	47.0	41.9	33.8	27.5	22.4	18.3	16.1	13.8	12.0	9.7	8.6
17.5°	52.7	44.1	33.3	25.8	20.6	16.1	13.8	12.0	9.2	5.7	4.6
20°	62.5	45.9	32.1	24.1	17.8	13.2	10.3	8.0	4.0	1.1	0.0
22.5°	78.0	50.5	31.0	21.8	15.5	10.3	6.9	2.9	0.0	0.0	0.0
25°	107.8	58.5	31.0	20.6	13.8	7.5	2.3	0.0	0.0	0.0	0.0
27.5°	143.3	69.4	31.0	17.8	10.9	4.0	0.0	0.0	0.0	0.0	0.0
30°	179.4	81.4	31.0	15.5	8.6	0.6	0.0	0.0	0.0	0.0	0.0
32.5°	213.8	91.7	31.5	13.2	5.7	0.0	0.0	0.0	0.0	0.0	0.0
35°	248.8	93.4	31.0	11.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	293.5	90.0	29.2	10.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	361.2	91.7	27.5	9.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	486.2	99.2	25.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	840.5	133.0	22.9	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1390.3	239.1	22.4	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1774.4	301.0	23.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1771.5	335.4	24.7	11.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	1574.9	341.7	26.4	12.6	7.5	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1316.3	311.9	30.4	15.5	13.8	0.0	0.0	0.0	0.0	0.0	0.0
58°	*1270.5*	*298.1*	*31.5*	*16.1*	*14.9*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	1041.1	243.1	40.1	20.1	20.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	718.9	212.1	45.9	25.8	20.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	508.5	191.5	49.9	27.5	16.6	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	380.1	176.6	55.0	28.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	291.2	165.7	67.7	29.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	237.4	153.1	82.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	196.6	138.2	79.1	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	130.7	107.2	72.2	33.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	45.9	42.4	56.2	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.9	5.7	8.0	10.3	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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	23.5	23.5	22.9	23.5	23.5	24.7	27.5	31.5	36.1	37.8	39.6
5°	19.5	18.9	18.3	18.3	18.3	20.1	22.4	26.9	32.1	34.4	35.5
7.5°	16.1	15.5	14.9	14.3	14.3	15.5	18.3	23.5	28.7	31.0	32.7
10°	13.2	12.0	11.5	10.9	10.9	12.0	14.9	20.1	25.8	28.1	30.4
12.5°	10.9	9.2	8.0	7.5	6.9	8.6	11.5	16.1	22.4	25.2	27.5
15°	7.5	5.7	4.0	3.4	2.9	4.6	7.5	12.6	18.9	22.4	24.7
17.5°	4.0	1.7	0.6	0.0	0.0	1.1	3.4	9.2	15.5	18.3	21.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11.5	14.3	17.2
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.9	9.7	12.6
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.2	7.5
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.4
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	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	3.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.6	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report

REPORT NUMBER: P1049538
CATALOG NUMBER: GALN-SA2B-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	40.7	40.1	39.0	37.8	37.8	37.8	39.6	41.3	43.0	43.0
5°	37.8	37.8	37.3	36.1	36.1	36.7	39.0	41.9	44.1	44.7
7.5°	35.0	36.1	35.0	34.4	35.0	35.5	37.8	41.3	44.7	45.9
10°	33.3	33.8	33.8	33.3	33.3	34.4	36.7	41.3	45.9	47.6
12.5°	31.0	32.1	31.5	31.5	31.5	32.7	35.5	40.7	47.0	49.3
15°	28.7	30.4	30.4	29.8	29.8	30.4	34.4	40.1	48.7	52.7
17.5°	26.4	28.1	28.7	27.5	27.5	28.7	32.7	40.1	49.9	56.8
20°	21.8	24.7	26.4	24.7	24.7	25.8	29.8	37.8	50.5	60.8
22.5°	17.2	20.1	22.4	21.8	21.8	22.4	27.5	36.1	51.0	67.7
25°	12.6	15.5	17.2	18.3	18.3	20.1	25.2	35.0	53.3	82.0
27.5°	7.5	10.9	13.2	14.3	14.9	17.2	23.5	33.8	57.3	102.6
30°	3.4	6.3	9.2	11.5	11.5	15.5	21.8	32.7	62.5	132.4
32.5°	0.0	2.9	4.6	8.0	8.6	12.6	20.1	31.5	69.9	161.1
35°	0.0	0.0	2.3	6.3	6.3	10.3	18.3	30.4	81.4	182.9
37.5°	0.0	0.0	0.0	4.6	5.2	9.2	17.8	29.8	83.7	184.6
40°	0.0	0.0	0.0	3.4	4.0	8.6	17.8	30.4	75.7	180.6
42.5°	0.0	0.0	0.0	2.3	2.9	8.6	17.8	31.5	68.2	185.2
45°	0.0	0.0	0.0	1.7	2.3	9.2	17.2	31.0	64.2	209.3
47.5°	0.0	0.0	0.0	2.3	3.4	9.2	16.6	30.4	64.8	288.9
50°	0.0	0.0	0.0	2.9	4.0	9.2	17.2	29.2	71.1	444.3
52.5°	0.0	0.0	0.0	2.3	3.4	10.3	18.9	28.7	77.4	577.9
55°	0.0	0.0	0.0	0.6	1.7	13.2	20.6	28.7	87.1	611.2
57.5°	0.0	0.0	0.0	0.0	0.0	14.9	23.5	30.4	103.2	598.0
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*14.9*	*24.1*	*30.4*	*104.3*	*586.5*
60°	0.0	0.0	0.0	0.0	0.0	14.9	26.4	33.8	112.4	522.3
62.5°	0.0	0.0	0.0	0.0	0.0	12.6	31.5	42.4	117.0	410.5
65°	0.0	0.0	0.0	0.0	0.0	10.3	37.3	46.4	120.4	326.8
67.5°	0.0	0.0	0.0	0.0	0.0	9.7	38.4	47.0	122.1	260.3
70°	0.0	0.0	0.0	0.0	0.0	10.3	37.8	50.5	127.8	211.6
72.5°	0.0	0.0	0.0	0.0	0.0	11.5	34.4	55.6	127.8	187.5
75°	0.0	0.0	0.0	0.0	0.0	12.0	32.1	62.5	116.4	162.2
77.5°	0.0	0.0	0.0	0.0	0.0	11.5	31.5	72.8	103.8	133.6
80°	1.1	1.7	1.7	1.1	1.1	9.7	31.0	74.0	88.3	91.7
82.5°	3.4	4.6	4.0	2.9	2.9	8.6	27.5	61.9	45.9	39.6
85°	6.3	7.5	7.5	6.3	6.3	8.0	17.2	22.4	15.5	12.6
87.5°	8.6	9.7	9.7	8.6	8.6	8.0	7.5	6.9	6.3	6.3
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

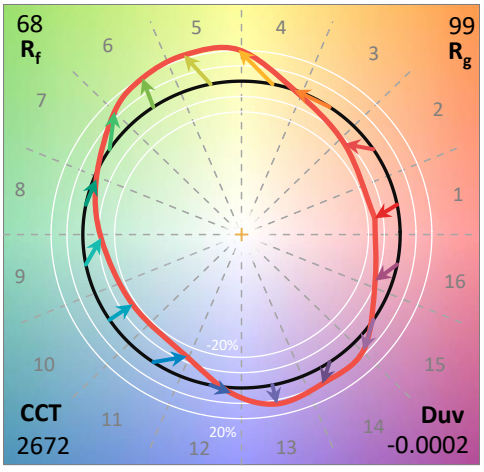
Test Information

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

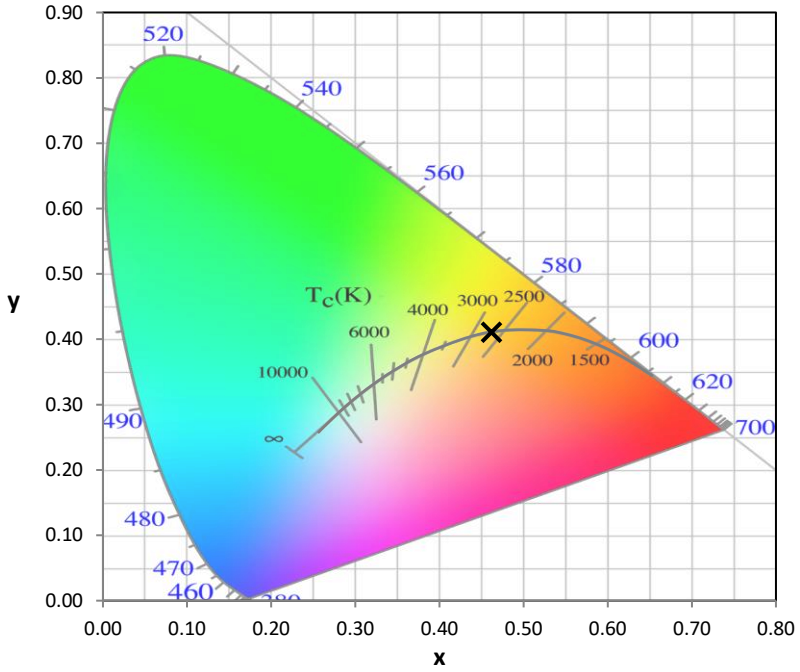
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

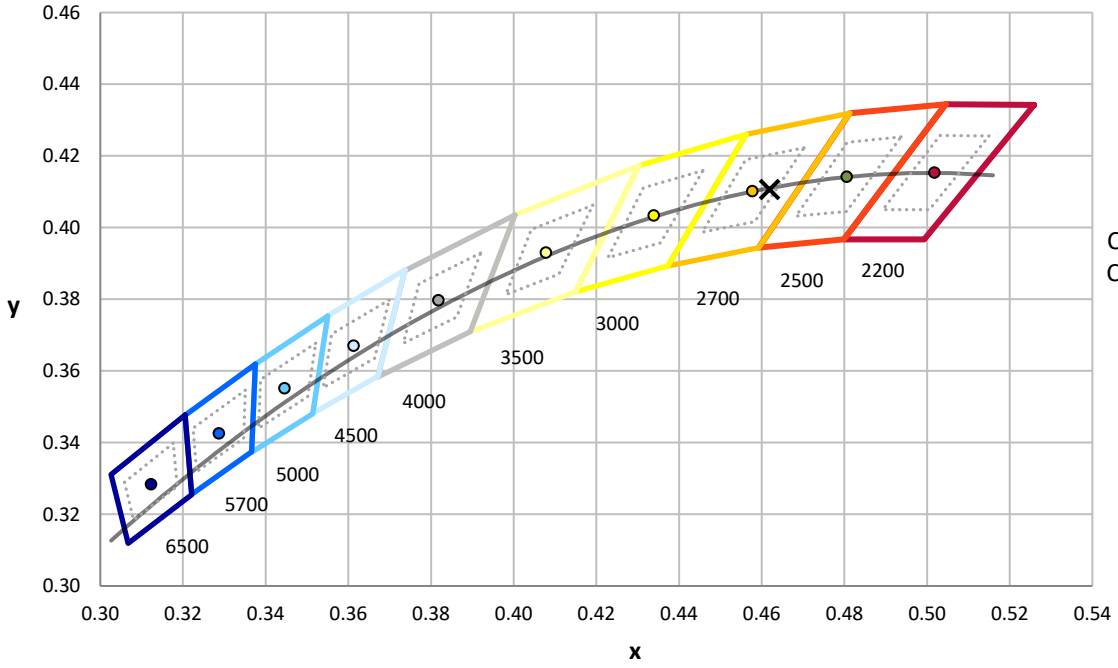
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

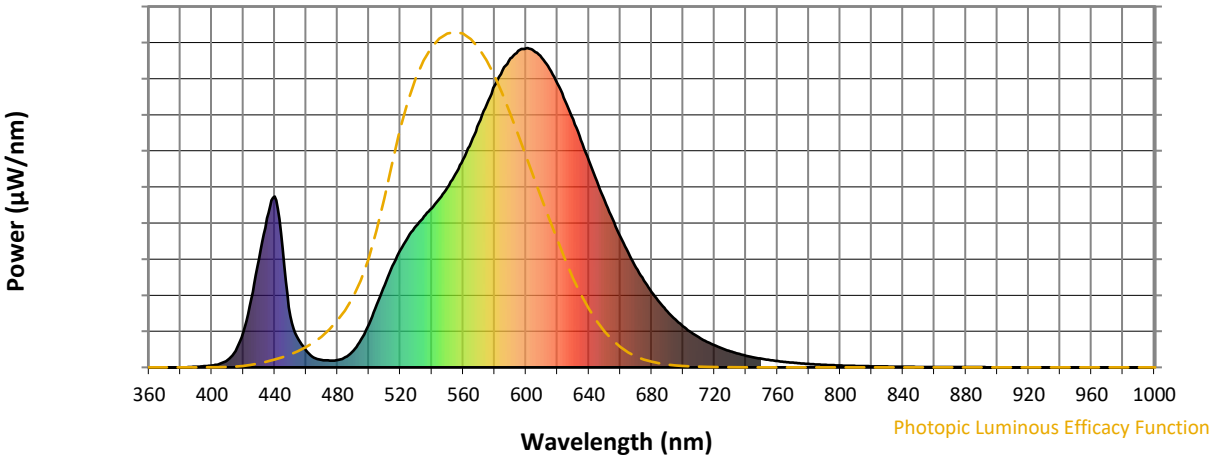


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

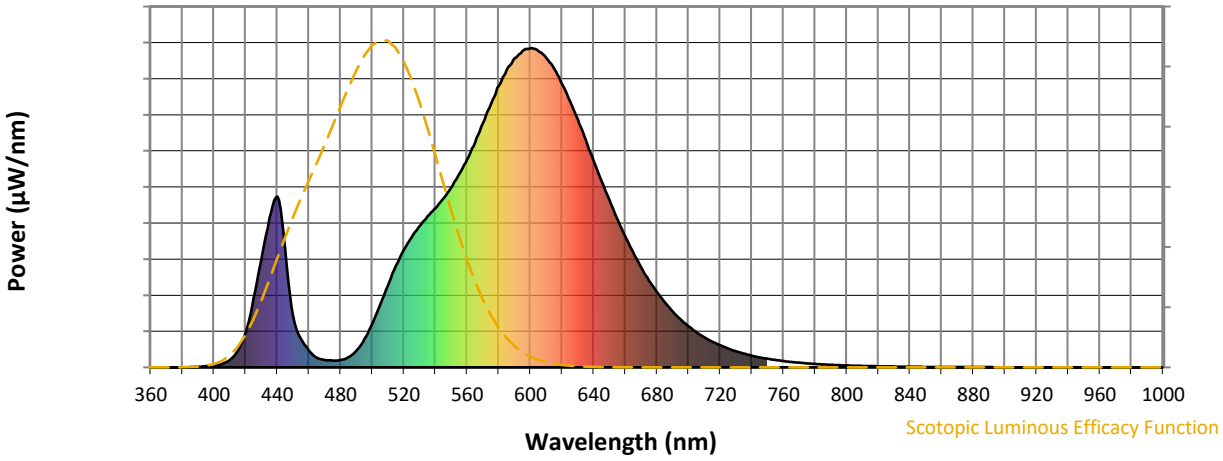


Photopic Lumens: NR

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

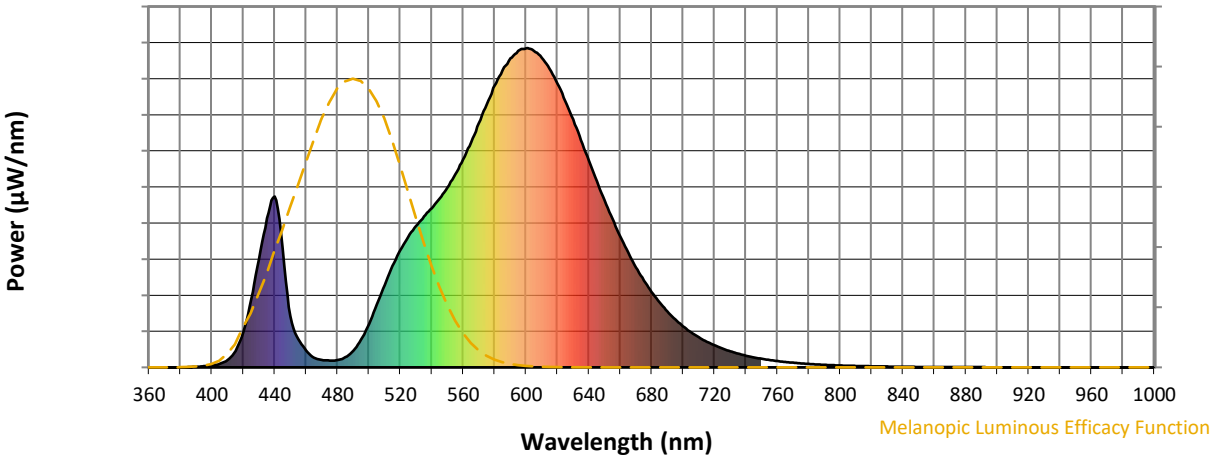


Scotopic Lumens: NR **S/P: 1.02**

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			

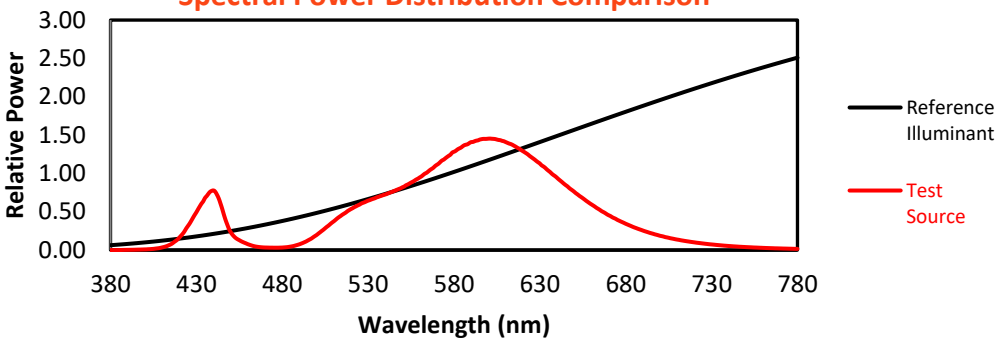
REPORT NUMBER: SP1-2407-184-3

TM-30-18

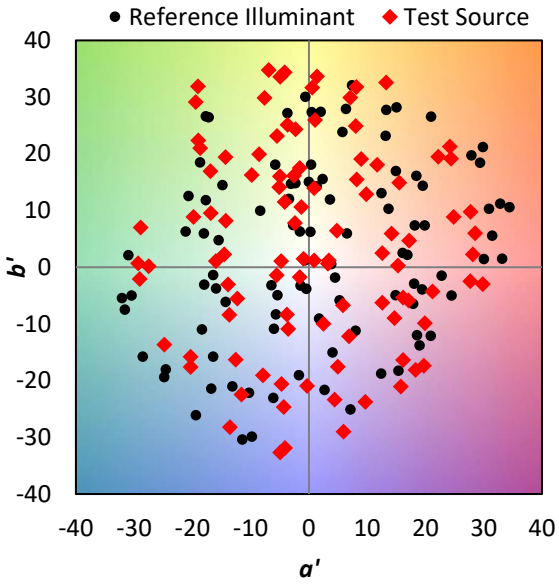
Summary

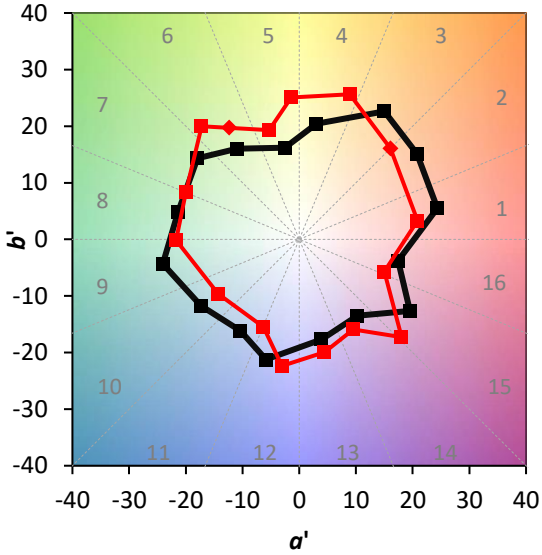
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

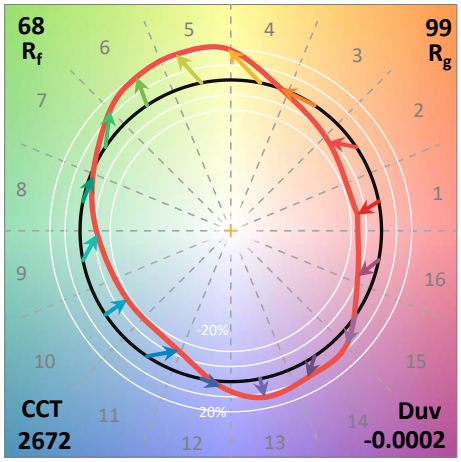
Spectral Power Distribution Comparison

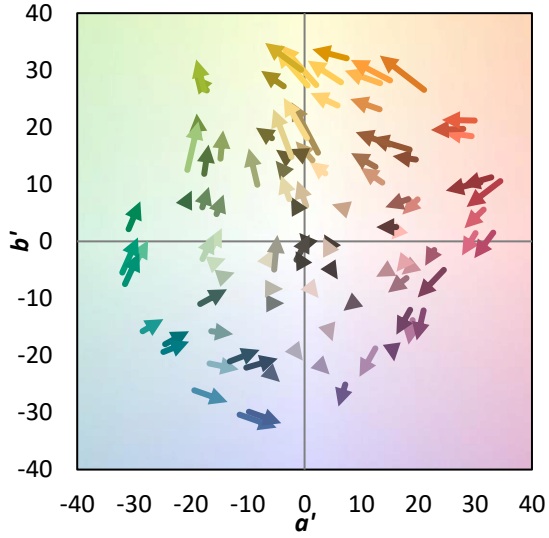


Color Vector Graphics







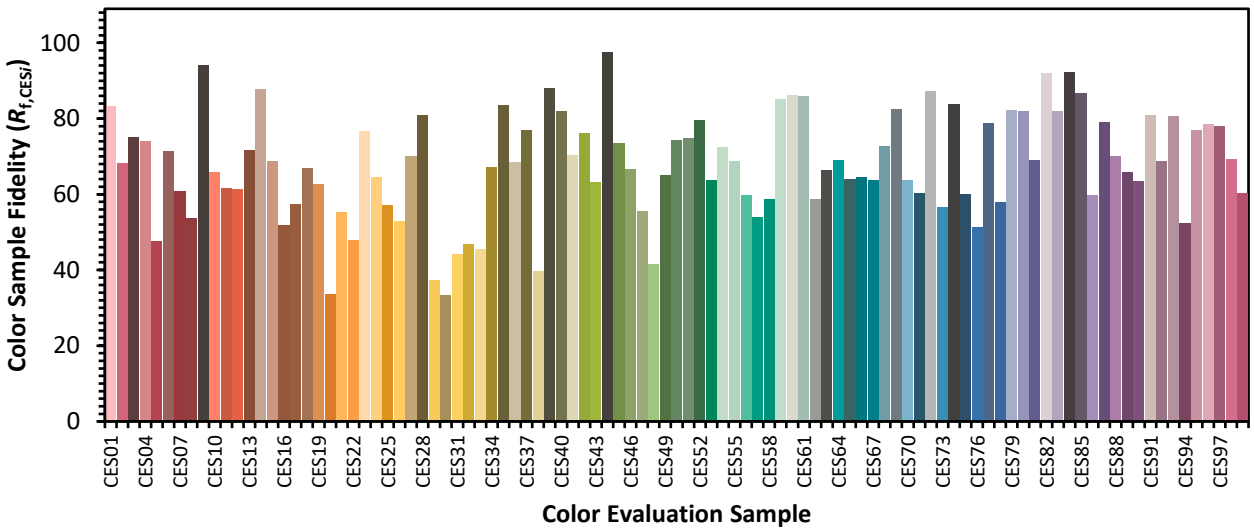


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

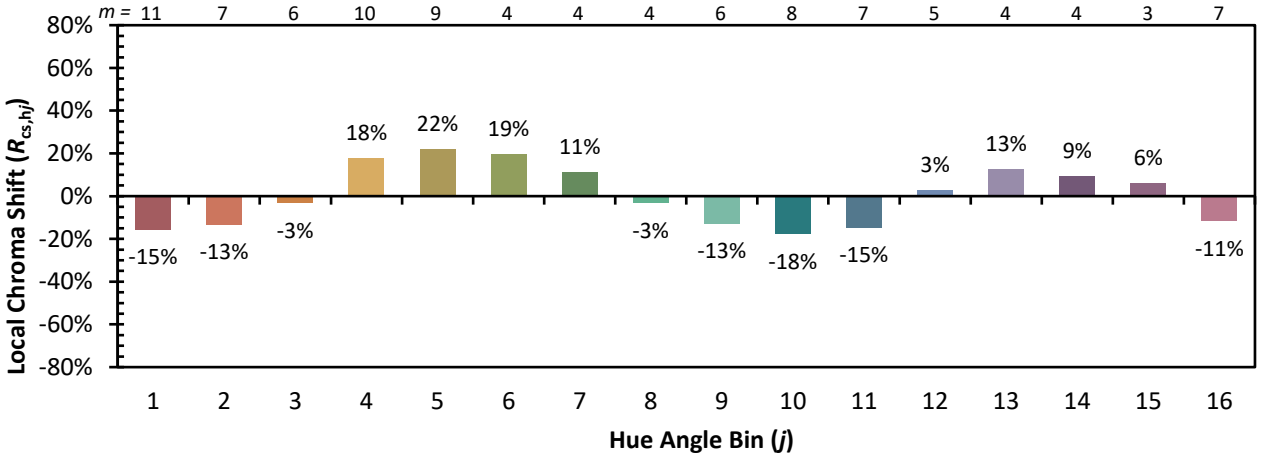
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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	

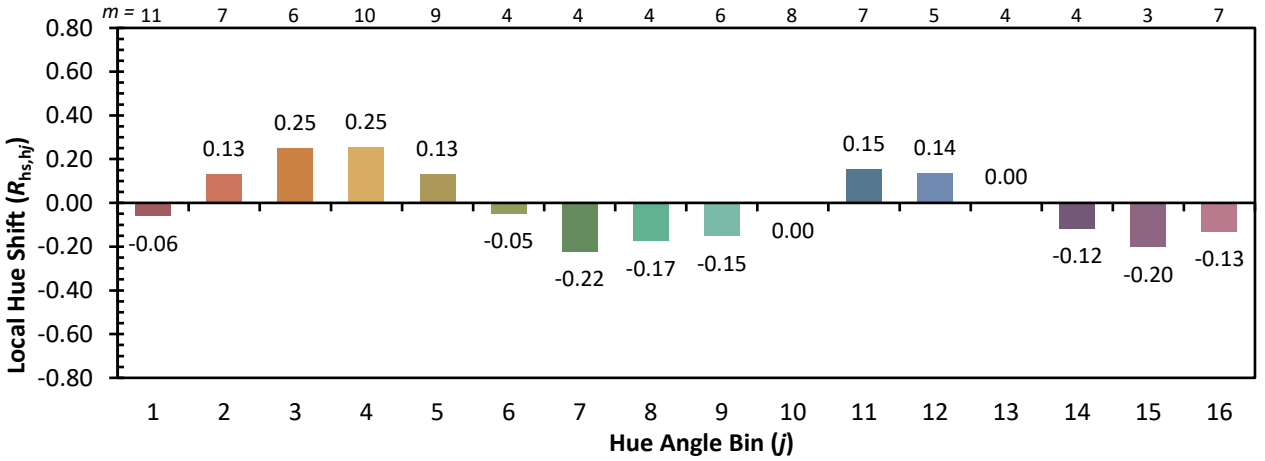


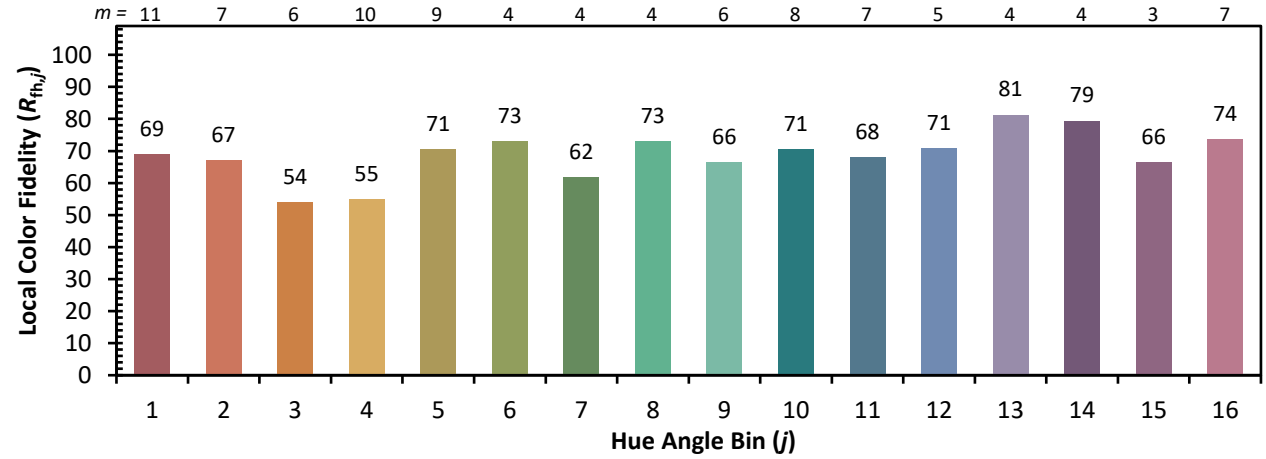
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin







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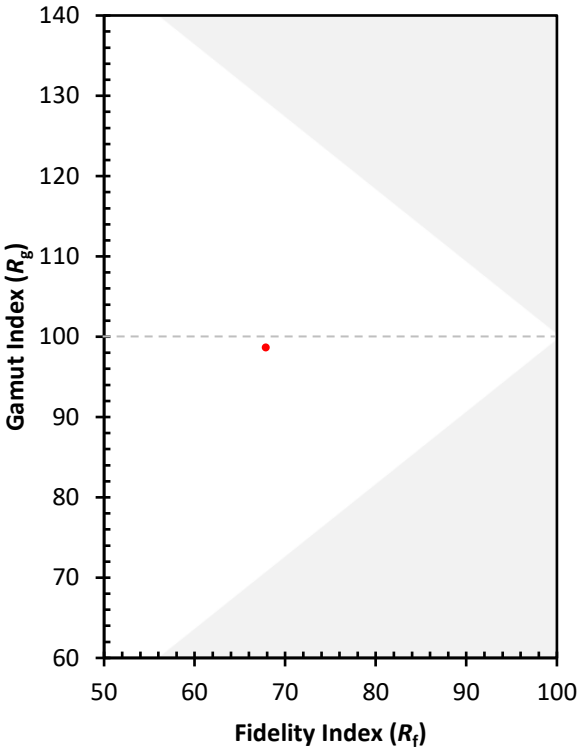
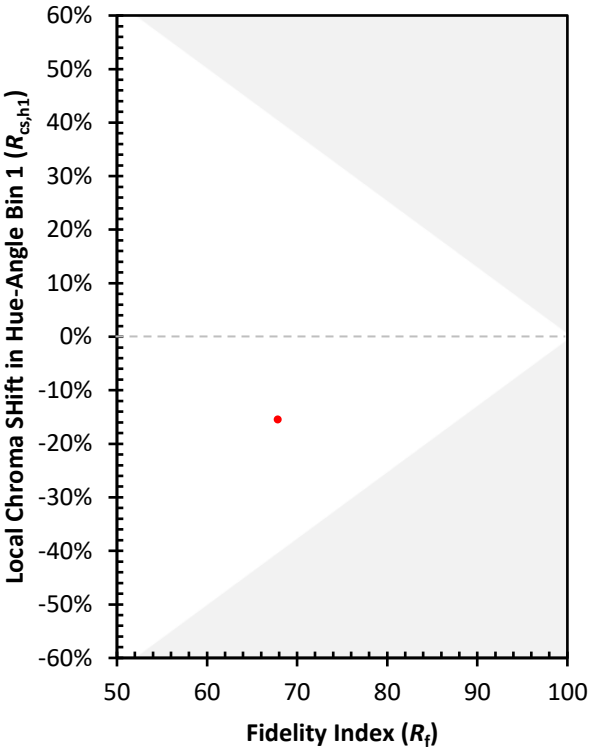
Measure Comparisons





(END OF REPORT)