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: P1066725

Luminaire Tested: **NVN-SA3A-727-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670347003

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1066725
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	NVN-SA3A-727-U-LBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE 70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(42) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7745.2 lumens
Efficiency:	N/A
Efficacy:	94.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G2

Input Watts (W):	82
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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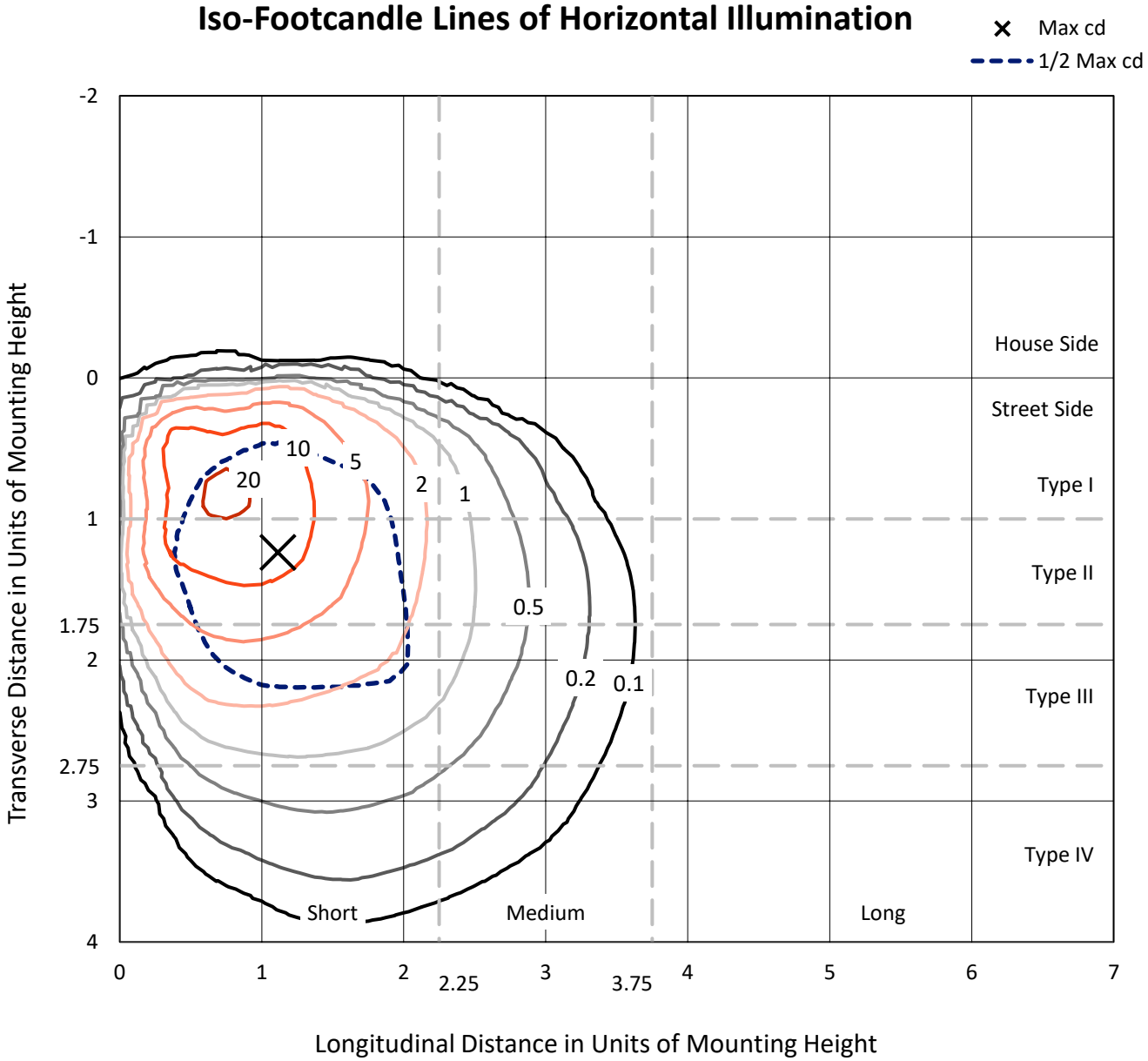
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 23 fc
Type III - Short - N/A

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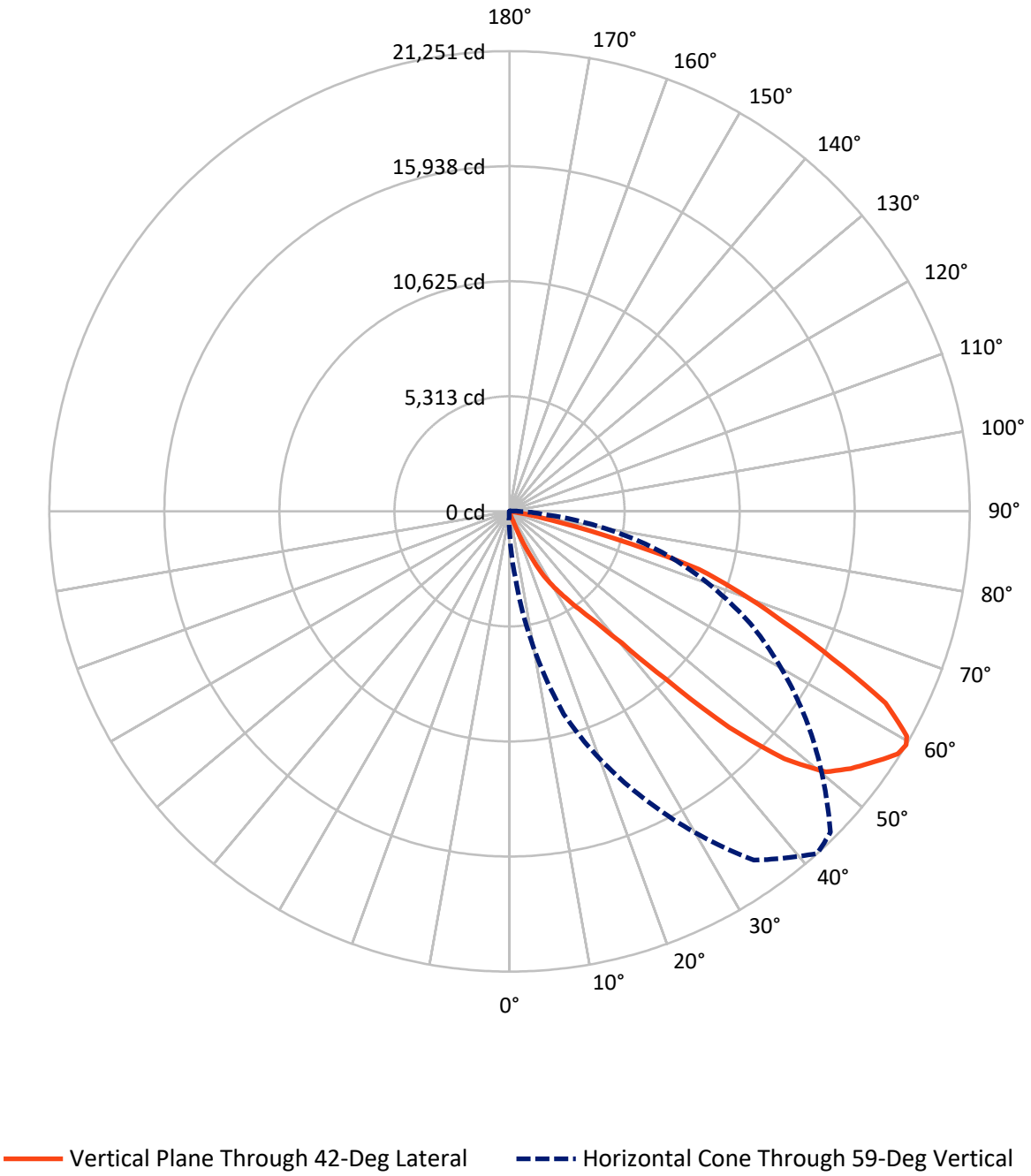
Luminous Intensity Polar Plot



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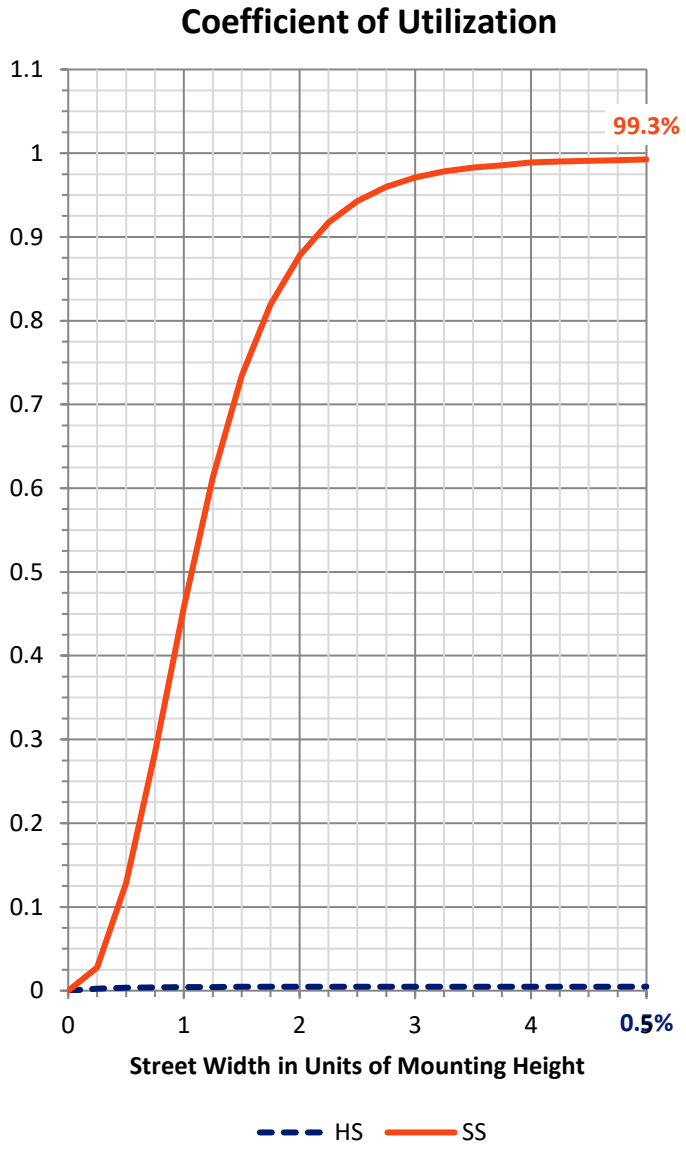
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.3	0.0	37.3
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	7707.8	0.0	7707.8
	% Fixture	99.5	0.0	99.5
Total	Lumens	7745.2	0.0	7745.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.3	0.0
10°-20°	11.3	0.1
20°-30°	144.5	1.9
30°-40°	487.1	6.3
40°-50°	1471.2	19.0
50°-60°	2597.0	33.5
60°-70°	2286.7	29.5
70°-80°	727.9	9.4
80°-90°	17.4	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°	7745.2	100.0
0°-180°	7745.2	100.0



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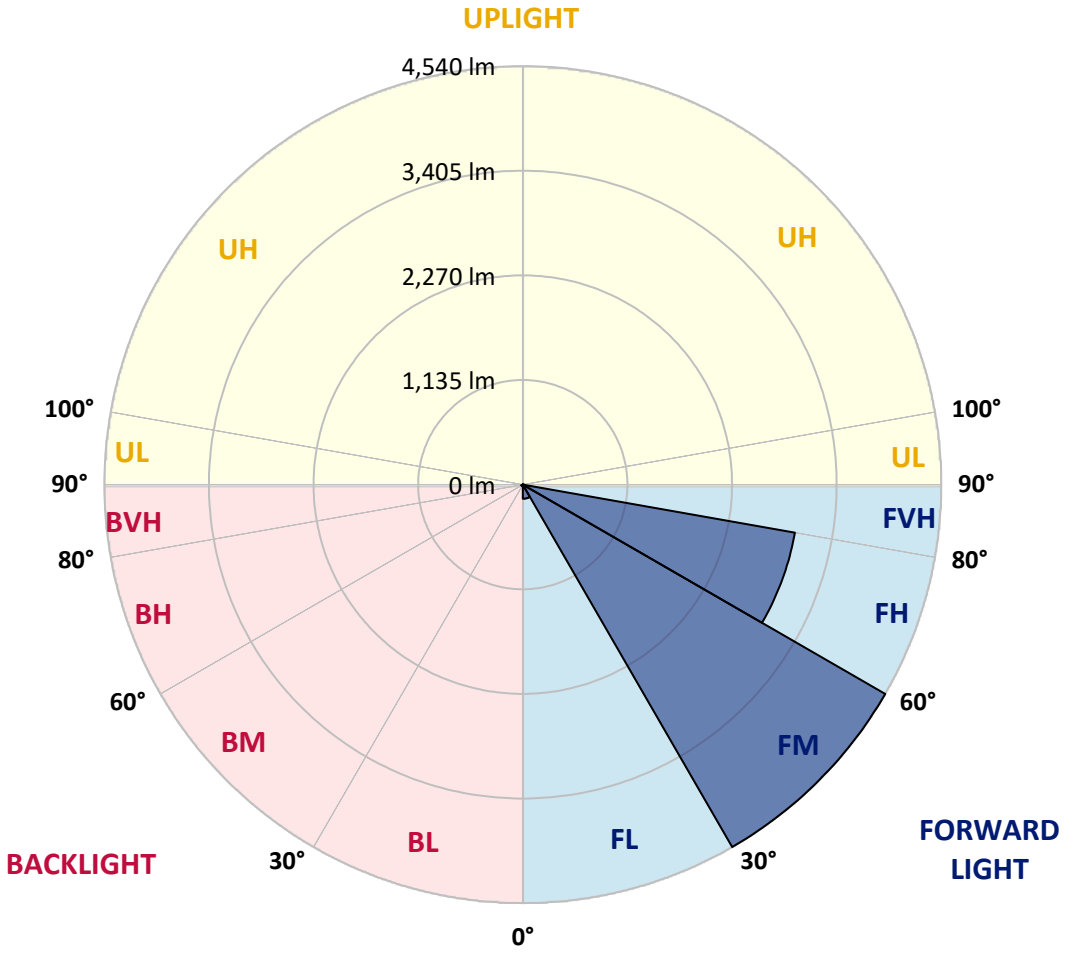
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	153.9	2.0			
FM	(30°-60°)	4540.0	58.6			
FH	(60°-80°)	2997.4	38.7			G2/5000
FVH	(80°-90°)	16.6	0.2			G1/100
BL	(0°-30°)	4.2	0.1	B0/110		
BM	(30°-60°)	15.2	0.2	B0/220		
BH	(60°-80°)	17.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	42°	45°	55°	65°	75°	85°
0°	21.9	21.9	21.9	21.9	21.9	*21.9*	21.9	21.9	21.9	21.9	21.9
2.5°	34.0	34.0	31.6	29.1	26.7	*24.3*	24.3	24.3	21.9	21.9	19.4
5°	38.9	38.9	36.4	34.0	34.0	*31.6*	31.6	29.1	26.7	26.7	24.3
7.5°	41.3	41.3	41.3	41.3	38.9	*38.9*	38.9	36.4	34.0	31.6	29.1
10°	43.7	46.1	48.6	48.6	48.6	*48.6*	48.6	46.1	41.3	38.9	34.0
12.5°	48.6	51.0	55.9	60.7	60.7	*63.1*	60.7	58.3	53.4	46.1	38.9
15°	53.4	58.3	65.6	75.3	85.0	*87.4*	87.4	80.1	70.4	55.9	46.1
17.5°	60.7	68.0	87.4	119.0	153.0	*179.7*	179.7	160.3	111.7	72.9	53.4
20°	65.6	80.1	140.8	286.5	437.1	*548.8*	527.0	466.2	250.1	114.1	58.3
22.5°	72.9	102.0	298.7	752.8	1165.6	*1369.6*	1321.0	1002.9	561.0	204.0	70.4
25°	82.6	148.1	592.5	1410.9	2166.1	*2387.1*	2355.5	1872.3	1022.3	342.4	89.8
27.5°	102.0	218.6	949.5	2139.4	3195.7	*3385.1*	3373.0	2741.6	1634.3	551.2	116.6
30°	128.7	318.1	1408.5	2906.8	3878.1	*4069.9*	4009.2	3377.9	2205.0	842.6	150.6
32.5°	160.3	444.4	1823.7	3472.6	4507.0	*4759.6*	4686.7	3931.5	2663.9	1090.3	223.4
35°	208.8	568.2	2234.1	3972.8	5233.1	*5553.7*	5432.3	4502.2	3059.7	1369.6	269.5
37.5°	233.1	641.1	2610.5	4516.8	6049.1	*6486.2*	6393.9	5223.4	3462.8	1726.6	330.3
40°	235.6	728.5	3001.5	5225.8	7202.5	*7982.0*	7816.9	6461.9	4213.2	2185.5	425.0
42.5°	242.8	859.6	3509.0	6435.2	9468.2	*10587.7*	10400.7	8739.7	5915.5	3105.9	602.2
45°	276.8	1107.3	4543.5	8696.0	12578.9	*14220.5*	14004.4	11913.6	8292.9	4837.3	1027.2
47.5°	395.8	1665.9	6357.5	11136.5	15760.1	*17069.0*	17015.6	14414.8	10446.8	6612.4	1741.1
50°	636.2	2557.1	8421.6	13188.5	17785.3	*18909.7*	18776.1	15459.0	11675.6	7824.2	2231.7
52.5°	849.9	3409.4	9718.3	13943.7	18390.0	*19730.5*	19567.8	15840.2	11998.6	8181.2	2367.7
55°	903.4	3717.8	10104.4	14176.8	18790.7	*20425.0*	20189.4	16095.2	12039.8	7926.2	2141.8
57.5°	876.6	3426.4	9854.3	14405.1	19349.2	*21138.9*	20825.7	16593.0	12178.3	7493.9	1782.4
59°	*830.5*	*3067.0*	*9698.9*	*14587.2*	*19657.6*	*21250.6*	*20956.8*	*16702.3*	*12270.5*	*7297.2*	*1563.9*
60°	777.1	2824.2	9577.5	14706.2	19638.2	*21075.8*	20772.2	16651.3	12307.0	7127.3	1459.4
62.5°	599.8	2253.5	9402.6	14621.2	18411.9	*19480.3*	19307.9	15403.1	11772.7	6583.3	1151.0
65°	466.2	1724.1	8761.5	13040.3	15667.8	*16386.6*	16333.2	13042.8	9907.7	5675.1	830.5
67.5°	369.1	1257.9	7408.9	10561.0	12605.6	*13628.0*	13589.1	10587.7	7520.6	4337.1	597.4
70°	301.1	896.1	5080.1	7962.6	10082.6	*11369.6*	11313.8	8521.1	5573.1	2751.3	434.7
72.5°	255.0	573.1	3081.6	6002.9	8414.3	*9150.1*	8987.4	6874.7	4052.9	1498.3	344.8
75°	216.1	352.1	1527.4	3742.1	5012.1	*5007.3*	4844.6	3640.1	2175.8	733.4	274.4
77.5°	174.8	247.7	599.8	1027.2	1580.9	*1957.3*	1925.7	1289.5	650.8	213.7	170.0
80°	114.1	116.6	160.3	281.7	434.7	*480.8*	546.4	393.4	189.4	102.0	70.4
82.5°	51.0	55.9	72.9	92.3	92.3	*85.0*	75.3	55.9	41.3	34.0	17.0
85°	12.1	17.0	12.1	14.6	12.1	*9.7*	9.7	4.9	0.0	0.0	0.0
87.5°	2.4	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
2.5°	19.4	19.4	19.4	17.0	17.0	17.0	14.6	14.6	14.6	12.1	12.1
5°	24.3	21.9	19.4	19.4	17.0	17.0	14.6	12.1	12.1	12.1	9.7
7.5°	26.7	24.3	21.9	19.4	17.0	14.6	14.6	12.1	9.7	9.7	9.7
10°	31.6	29.1	24.3	19.4	17.0	14.6	12.1	12.1	9.7	7.3	7.3
12.5°	36.4	31.6	26.7	21.9	17.0	14.6	12.1	12.1	9.7	7.3	4.9
15°	41.3	36.4	29.1	21.9	17.0	14.6	12.1	12.1	7.3	4.9	2.4
17.5°	46.1	38.9	29.1	24.3	17.0	14.6	12.1	9.7	4.9	2.4	0.0
20°	48.6	41.3	31.6	24.3	17.0	14.6	12.1	7.3	2.4	0.0	0.0
22.5°	53.4	46.1	34.0	24.3	17.0	12.1	7.3	2.4	0.0	0.0	0.0
25°	63.1	48.6	34.0	24.3	17.0	12.1	4.9	0.0	0.0	0.0	0.0
27.5°	70.4	53.4	34.0	24.3	17.0	9.7	2.4	0.0	0.0	0.0	0.0
30°	82.6	58.3	36.4	24.3	17.0	7.3	2.4	0.0	0.0	0.0	0.0
32.5°	102.0	63.1	36.4	24.3	14.6	7.3	0.0	0.0	0.0	0.0	0.0
35°	123.8	72.9	36.4	24.3	14.6	7.3	0.0	0.0	0.0	0.0	0.0
37.5°	126.3	77.7	36.4	24.3	14.6	4.9	0.0	0.0	0.0	0.0	0.0
40°	131.1	72.9	38.9	24.3	14.6	4.9	0.0	0.0	0.0	0.0	0.0
42.5°	150.6	68.0	41.3	24.3	14.6	4.9	0.0	0.0	0.0	0.0	0.0
45°	223.4	70.4	41.3	26.7	14.6	7.3	0.0	0.0	0.0	0.0	0.0
47.5°	388.5	72.9	38.9	26.7	14.6	7.3	0.0	0.0	0.0	0.0	0.0
50°	497.8	85.0	38.9	29.1	17.0	4.9	0.0	0.0	0.0	0.0	0.0
52.5°	529.4	99.6	38.9	31.6	21.9	2.4	0.0	0.0	0.0	0.0	0.0
55°	514.8	116.6	41.3	34.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	476.0	126.3	43.7	36.4	29.1	0.0	0.0	0.0	0.0	0.0	0.0
59°	*434.7*	*133.6*	*51.0*	*38.9*	*29.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	400.7	140.8	53.4	41.3	29.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	323.0	150.6	58.3	48.6	24.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	281.7	157.8	60.7	53.4	21.9	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	257.4	162.7	65.6	55.9	19.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	238.0	160.3	70.4	53.4	17.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	216.1	153.0	85.0	48.6	14.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	194.3	138.4	92.3	43.7	9.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	140.8	116.6	85.0	38.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	60.7	63.1	60.7	29.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.1	14.6	12.1	7.3	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°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
2.5°	12.1	12.1	12.1	12.1	14.6	14.6	19.4	24.3	29.1	31.6	31.6
5°	9.7	9.7	9.7	9.7	9.7	12.1	14.6	19.4	26.7	29.1	29.1
7.5°	7.3	7.3	7.3	7.3	7.3	7.3	12.1	17.0	24.3	26.7	29.1
10°	7.3	4.9	4.9	2.4	2.4	4.9	7.3	14.6	21.9	24.3	26.7
12.5°	4.9	2.4	2.4	0.0	0.0	2.4	4.9	12.1	19.4	21.9	24.3
15°	2.4	0.0	0.0	0.0	0.0	0.0	2.4	9.7	17.0	19.4	24.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	14.6	19.4	21.9
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	12.1	17.0	19.4
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.7	14.6	17.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	9.7	12.1
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	7.3	9.7
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	7.3	9.7
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9	7.3
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9	7.3
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9	4.9
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
59°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2.4*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4
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: P1066725
CATALOG NUMBER: NVN-SA3A-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
2.5°	34.0	34.0	31.6	29.1	29.1	29.1	31.6	34.0	34.0	34.0
5°	31.6	31.6	29.1	29.1	29.1	29.1	31.6	36.4	38.9	38.9
7.5°	31.6	31.6	29.1	29.1	29.1	29.1	31.6	36.4	38.9	41.3
10°	29.1	29.1	29.1	29.1	26.7	29.1	31.6	36.4	43.7	43.7
12.5°	29.1	29.1	29.1	29.1	26.7	29.1	34.0	38.9	46.1	48.6
15°	29.1	29.1	29.1	26.7	26.7	29.1	34.0	41.3	48.6	53.4
17.5°	26.7	29.1	29.1	26.7	26.7	29.1	34.0	41.3	53.4	60.7
20°	24.3	26.7	29.1	26.7	26.7	26.7	34.0	41.3	55.9	65.6
22.5°	21.9	24.3	26.7	26.7	24.3	26.7	34.0	43.7	60.7	72.9
25°	19.4	21.9	21.9	24.3	24.3	26.7	34.0	43.7	63.1	82.6
27.5°	14.6	17.0	19.4	21.9	21.9	26.7	34.0	46.1	68.0	102.0
30°	12.1	14.6	17.0	19.4	21.9	26.7	34.0	46.1	72.9	128.7
32.5°	12.1	14.6	17.0	19.4	21.9	24.3	34.0	48.6	80.1	160.3
35°	9.7	12.1	14.6	19.4	19.4	24.3	34.0	48.6	87.4	208.8
37.5°	9.7	12.1	14.6	19.4	19.4	24.3	34.0	48.6	106.8	233.1
40°	7.3	9.7	12.1	19.4	19.4	24.3	36.4	51.0	109.3	235.6
42.5°	7.3	9.7	12.1	17.0	19.4	24.3	36.4	51.0	102.0	242.8
45°	7.3	9.7	12.1	19.4	21.9	26.7	36.4	53.4	99.6	276.8
47.5°	7.3	9.7	12.1	19.4	24.3	26.7	36.4	53.4	102.0	395.8
50°	7.3	9.7	12.1	19.4	26.7	26.7	36.4	53.4	111.7	636.2
52.5°	4.9	7.3	9.7	17.0	21.9	29.1	38.9	51.0	119.0	849.9
55°	4.9	4.9	7.3	14.6	19.4	31.6	41.3	51.0	138.4	903.4
57.5°	4.9	4.9	7.3	12.1	17.0	34.0	43.7	51.0	160.3	876.6
59°	*4.9*	*4.9*	*4.9*	*12.1*	*14.6*	*34.0*	*43.7*	*53.4*	*162.7*	*830.5*
60°	4.9	4.9	4.9	9.7	14.6	34.0	46.1	55.9	165.1	777.1
62.5°	2.4	2.4	2.4	9.7	12.1	34.0	51.0	68.0	170.0	599.8
65°	4.9	4.9	2.4	7.3	12.1	29.1	58.3	72.9	172.4	466.2
67.5°	4.9	4.9	4.9	9.7	12.1	29.1	60.7	75.3	172.4	369.1
70°	4.9	4.9	4.9	9.7	14.6	29.1	60.7	77.7	170.0	301.1
72.5°	4.9	4.9	4.9	9.7	14.6	26.7	55.9	80.1	162.7	255.0
75°	4.9	4.9	4.9	7.3	12.1	24.3	53.4	87.4	148.1	216.1
77.5°	4.9	4.9	4.9	4.9	9.7	19.4	48.6	97.1	131.1	174.8
80°	7.3	4.9	4.9	4.9	7.3	17.0	46.1	94.7	109.3	114.1
82.5°	7.3	4.9	4.9	2.4	4.9	12.1	36.4	72.9	55.9	51.0
85°	4.9	4.9	4.9	2.4	2.4	7.3	17.0	21.9	17.0	12.1
87.5°	4.9	4.9	4.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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

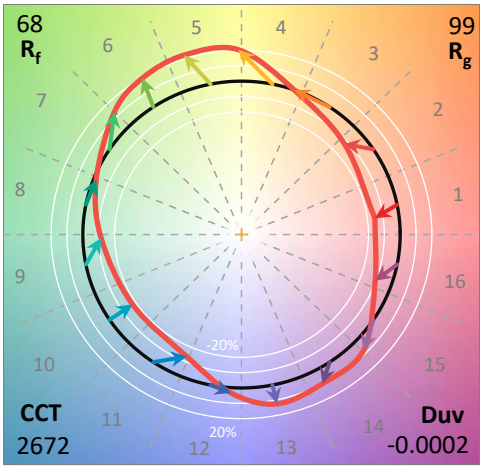
Test Information

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

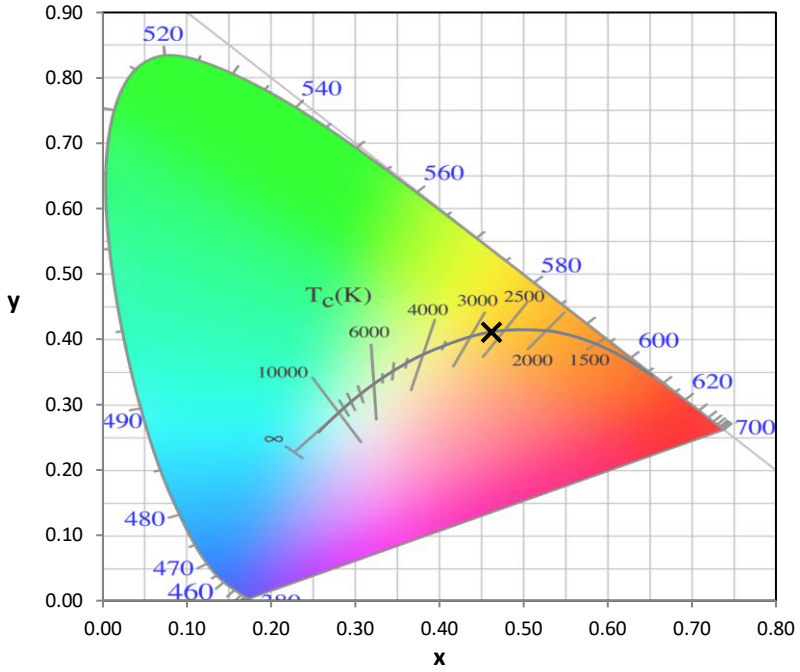
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

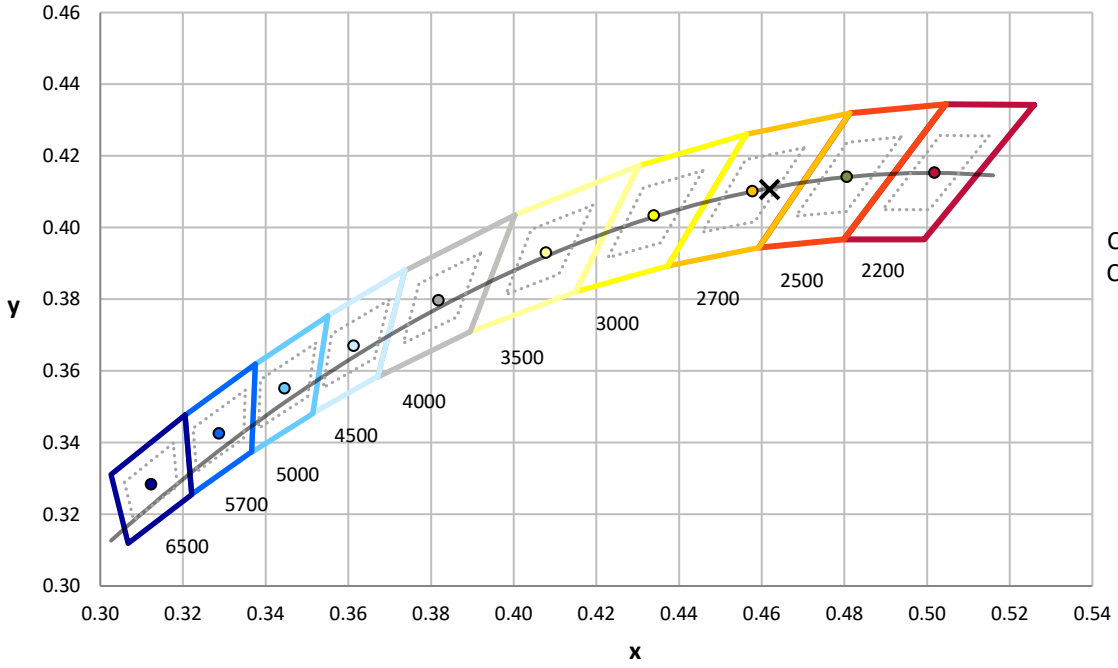
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

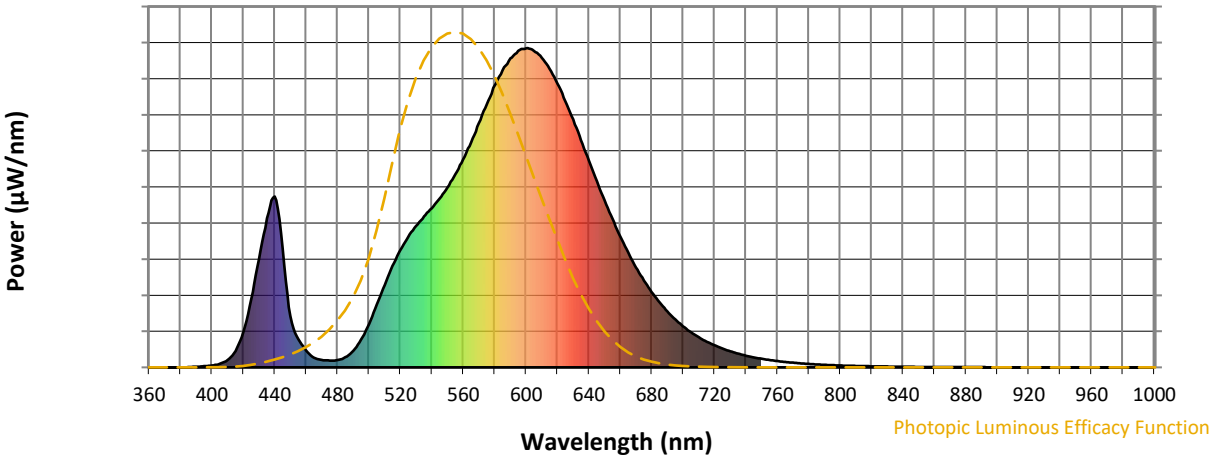


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

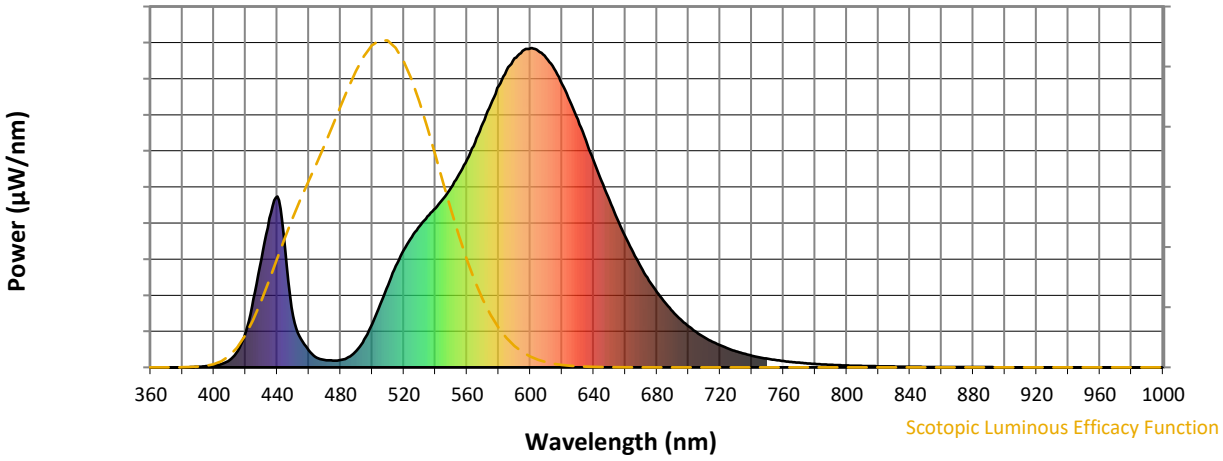


Photopic Lumens: NR

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

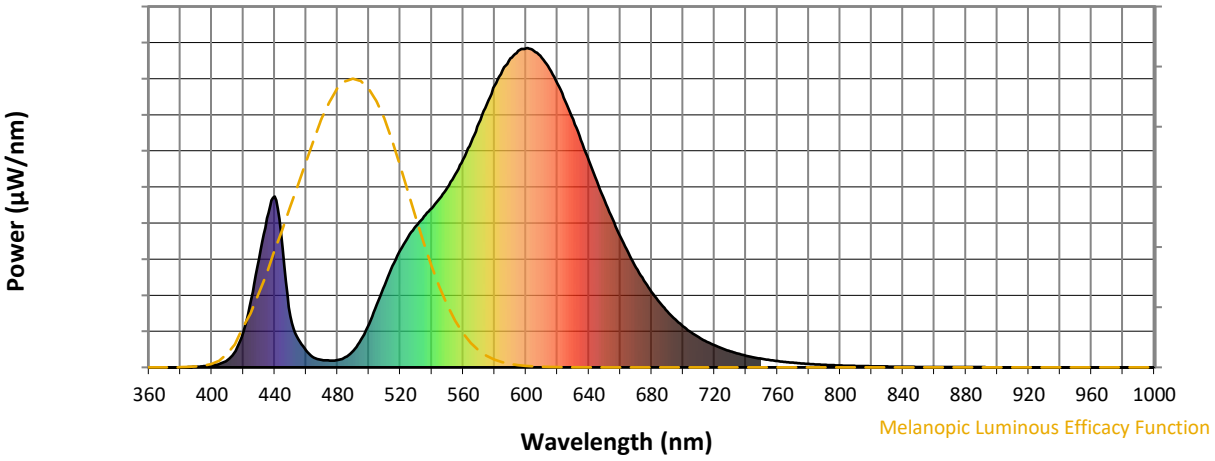


Scotopic Lumens: NR **S/P: 1.02**

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			

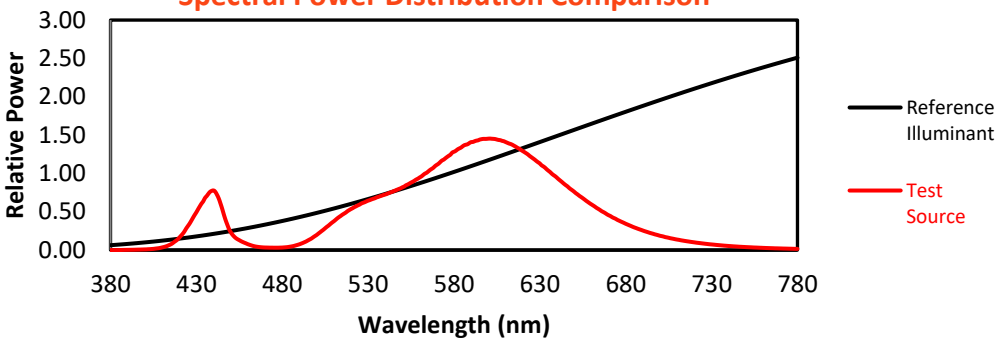
REPORT NUMBER: SP1-2407-184-3

TM-30-18

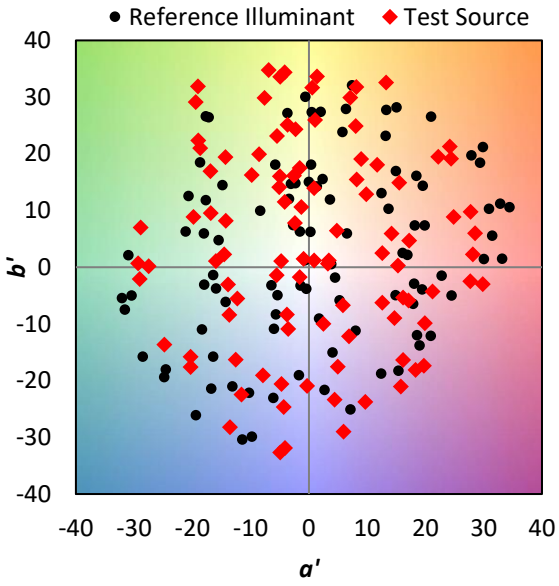
Summary

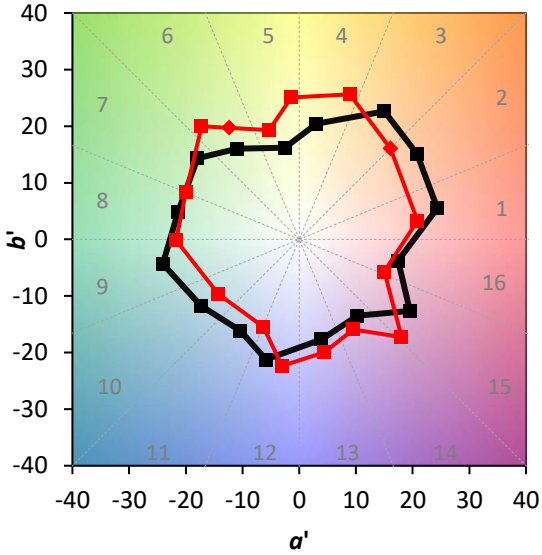
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

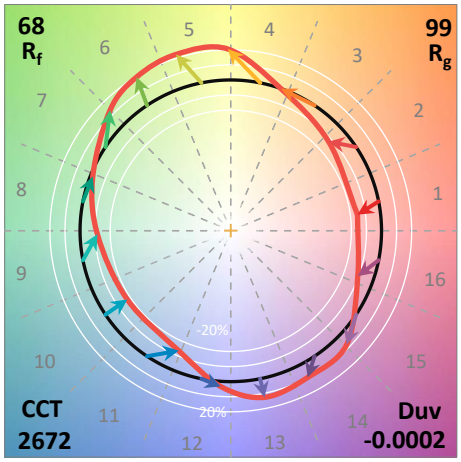
Spectral Power Distribution Comparison

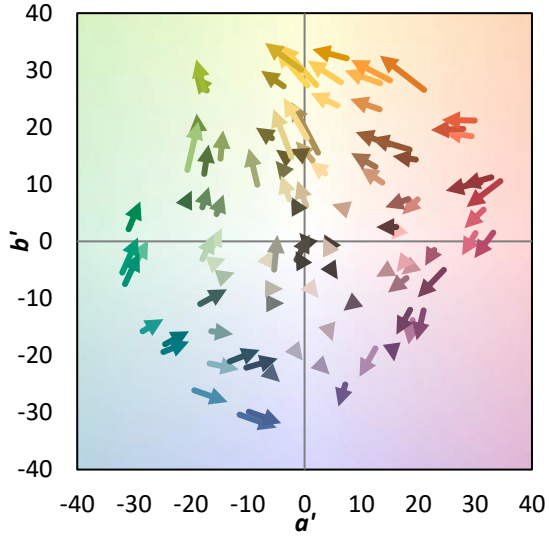


Color Vector Graphics







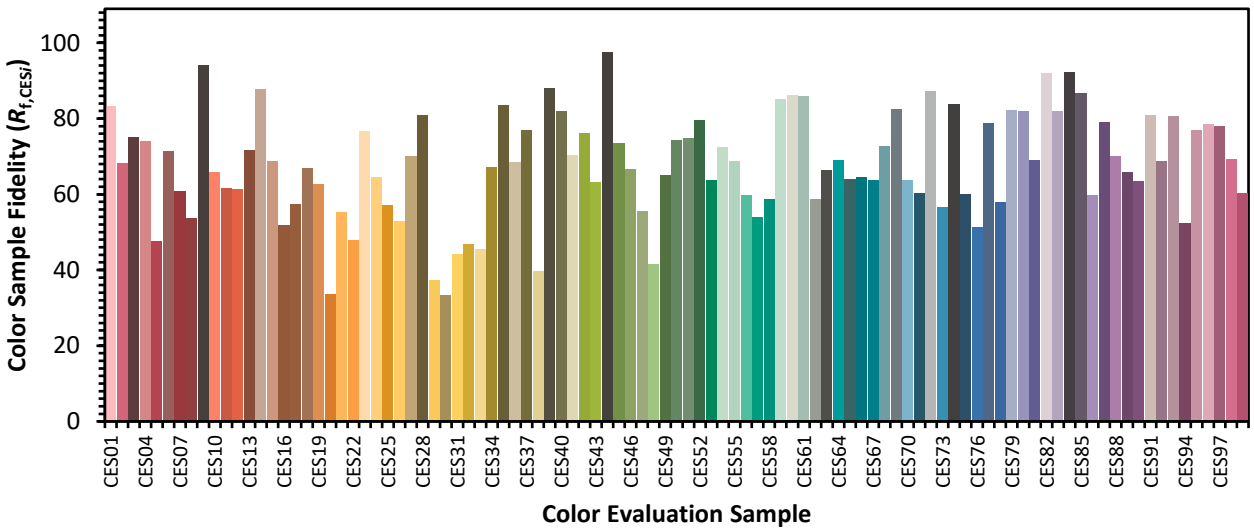


REPORT NUMBER: SP1-2407-184-3

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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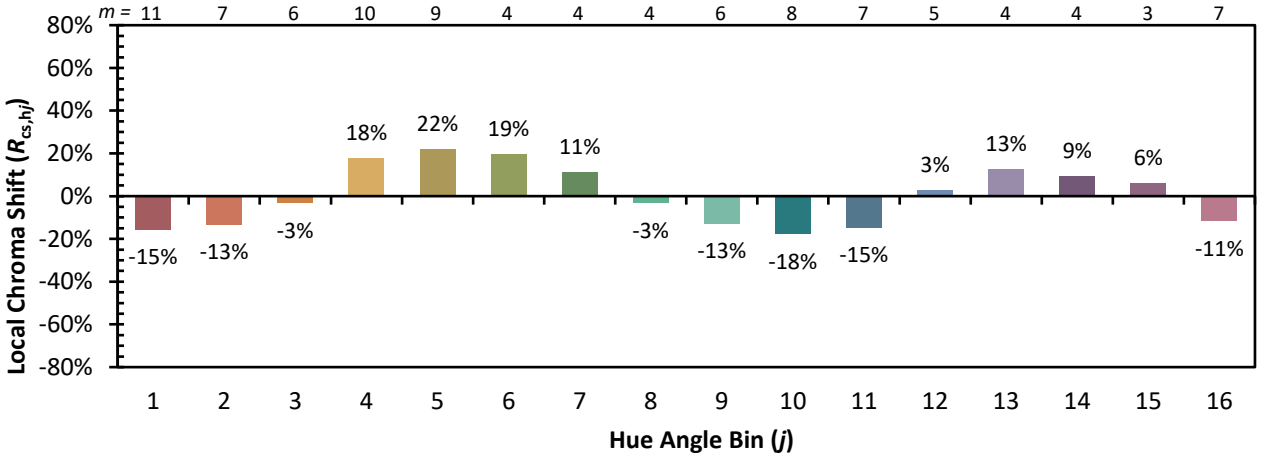
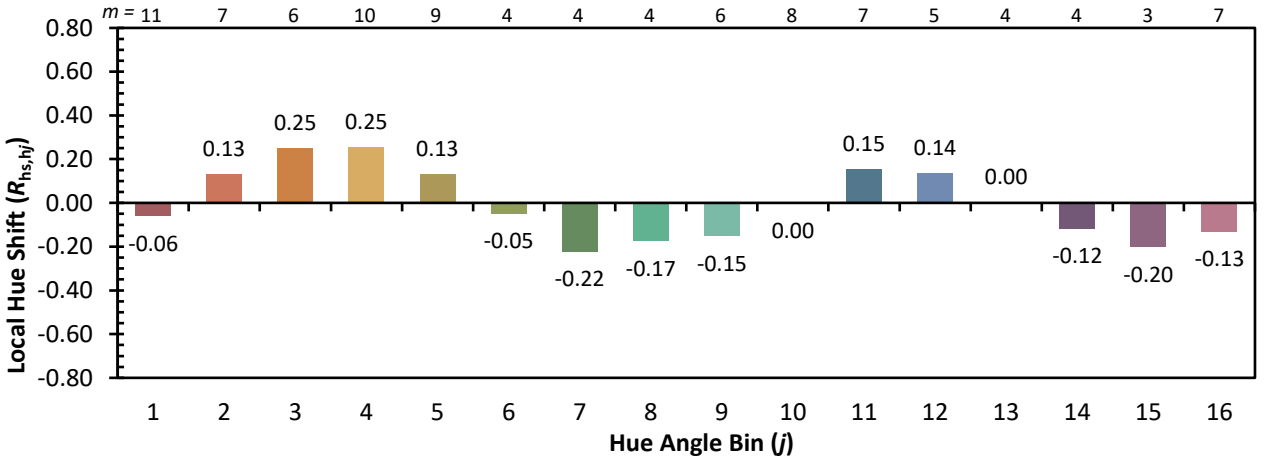
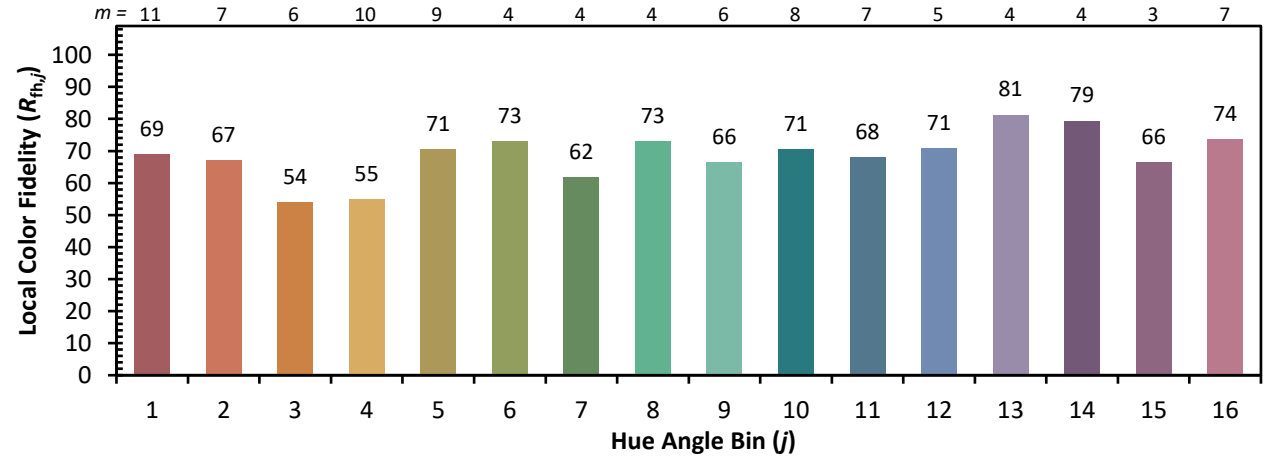
Color Rendition by Hue-Angle Bin







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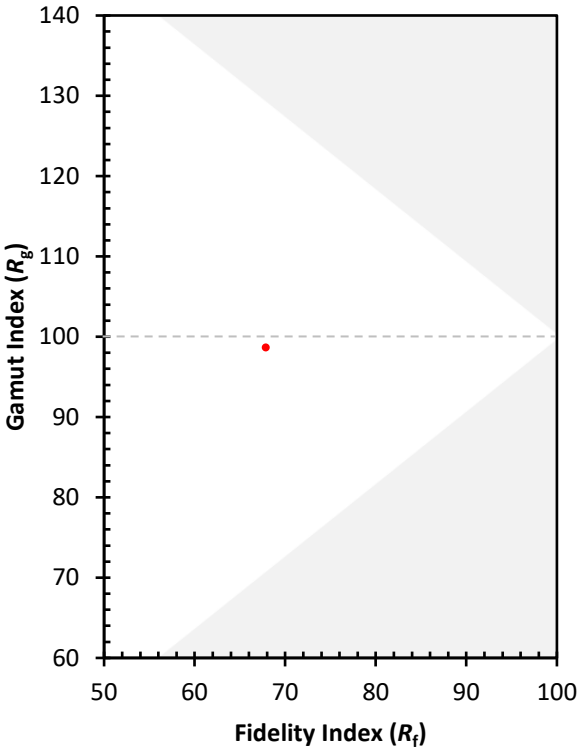
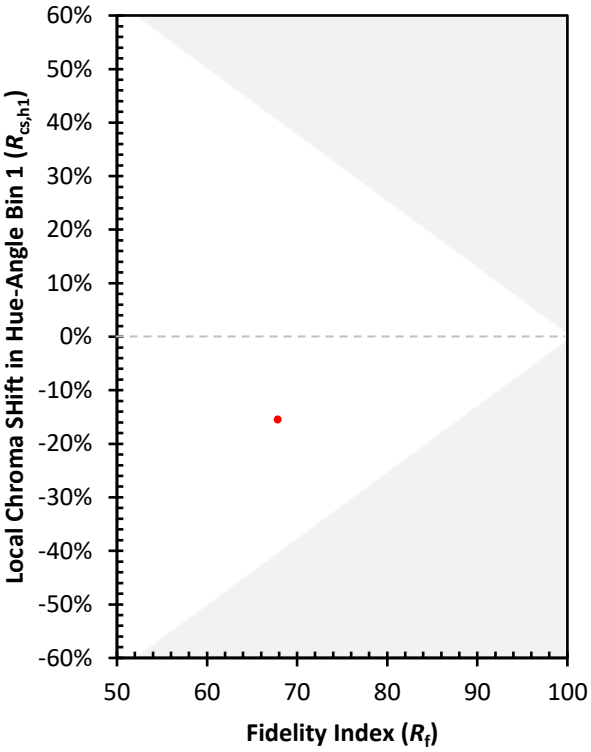
Measure Comparisons





(END OF REPORT)