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: P1066690

Luminaire Tested: **NVN-SA6B-740-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:	P1066690
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	NVN-SA6B-740-U-LBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 800mA 6xLight Square PACKAGE 70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(84) 4000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	23070.8 lumens
Efficiency:	N/A
Efficacy:	109.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G4

Input Watts (W):	211
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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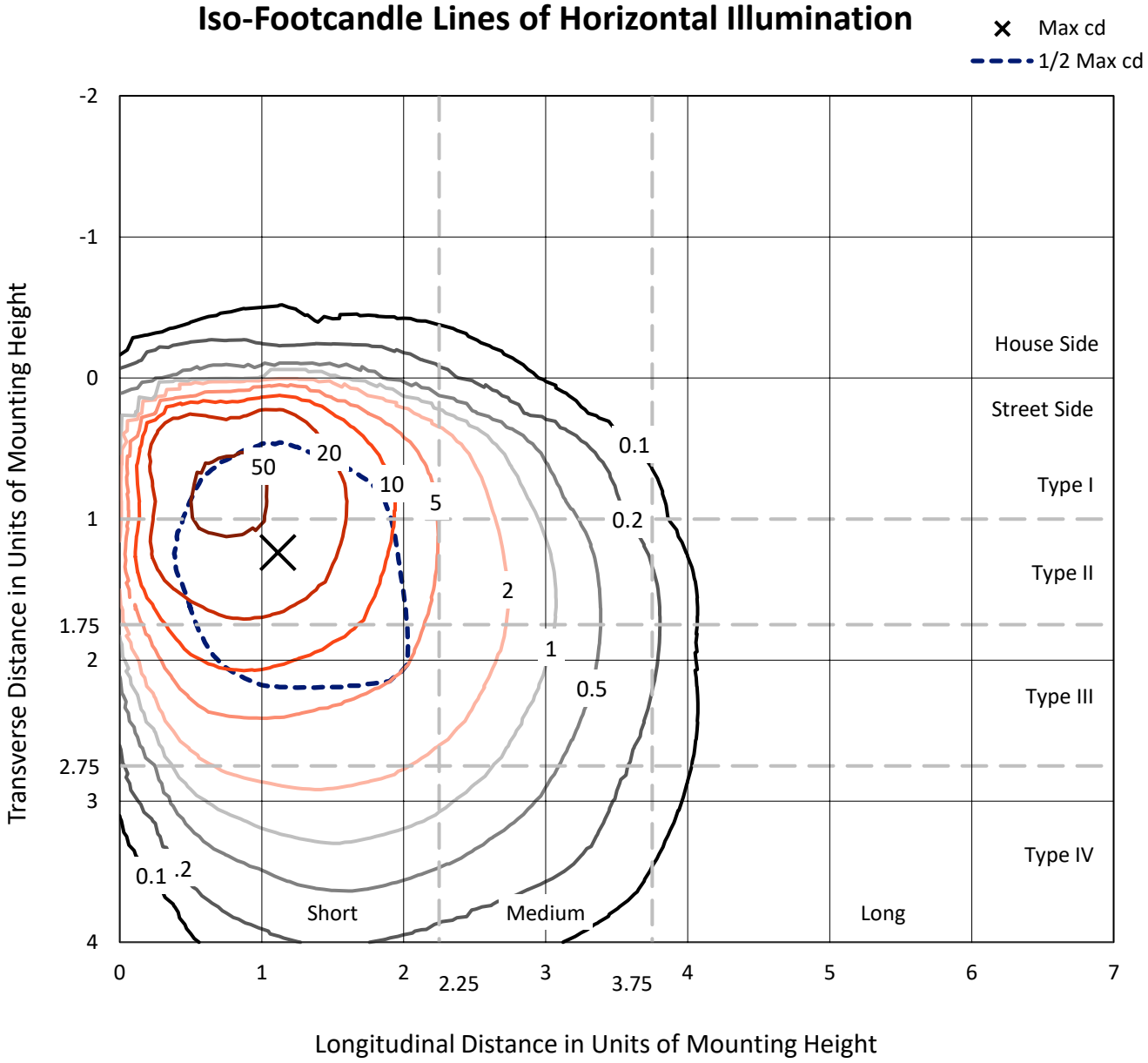
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 68.5 fc
Type III - Short - N/A

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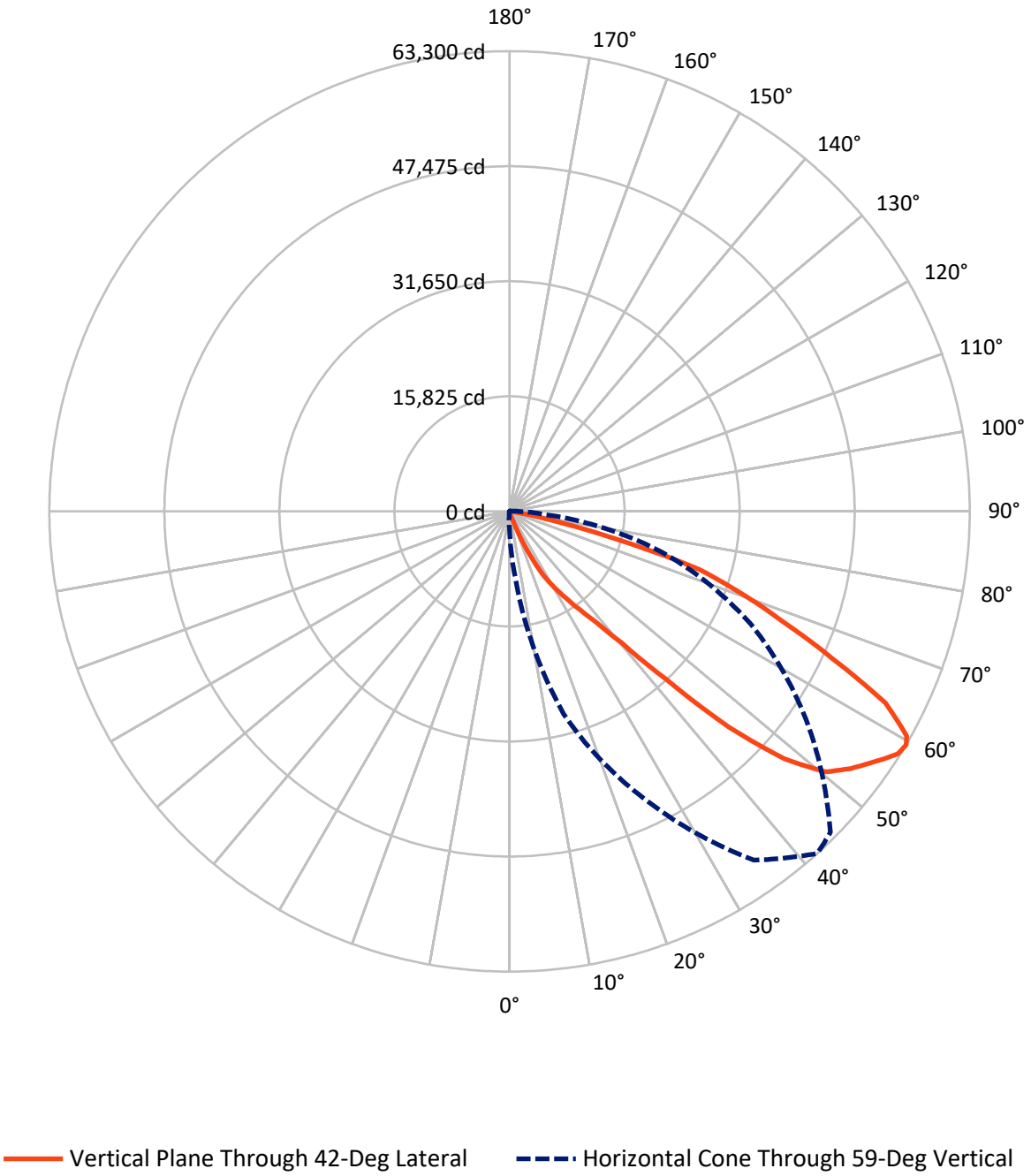
Luminous Intensity Polar Plot



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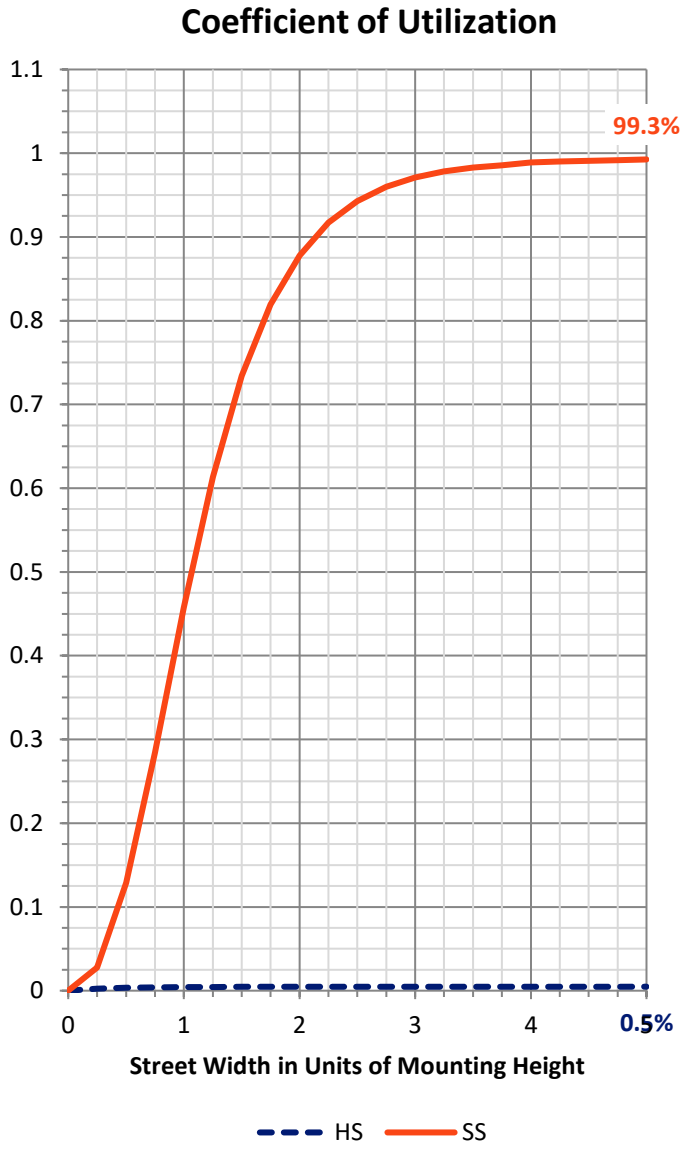
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	111.2	0.0	111.2
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	22959.6	0.0	22959.6
	% Fixture	99.5	0.0	99.5
Total	Lumens	23070.8	0.0	23070.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	0.0
10°-20°	33.6	0.1
20°-30°	430.3	1.9
30°-40°	1450.9	6.3
40°-50°	4382.2	19.0
50°-60°	7735.7	33.5
60°-70°	6811.4	29.5
70°-80°	2168.1	9.4
80°-90°	51.9	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°	23070.8	100.0
0°-180°	23070.8	100.0



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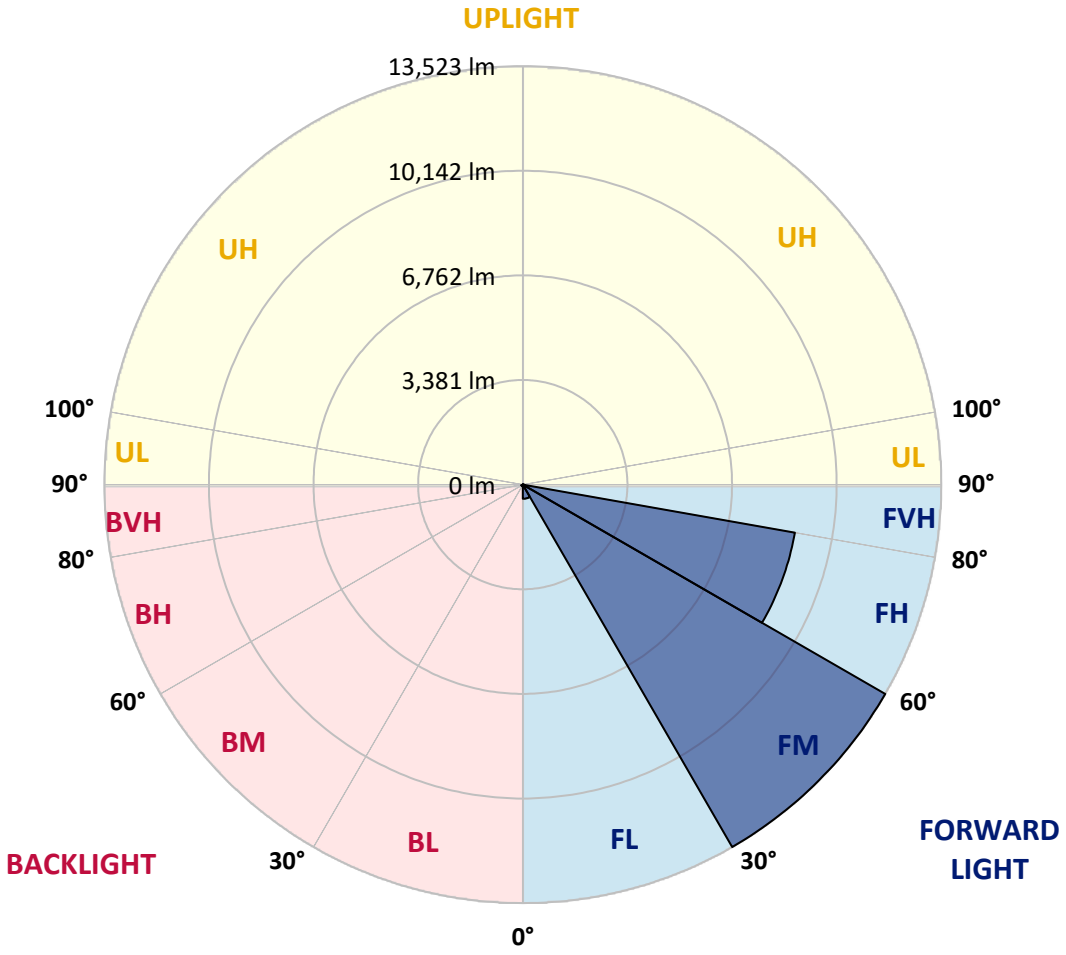
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	458.3	2.0			
FM	(30°-60°)	13523.3	58.6			
FH	(60°-80°)	8928.6	38.7			G4/12000
FVH	(80°-90°)	49.4	0.2			G1/100
BL	(0°-30°)	12.4	0.1	B0/110		
BM	(30°-60°)	45.4	0.2	B0/220		
BH	(60°-80°)	50.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G4
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	101.3	101.3	94.0	86.8	79.6	72.3	72.3	72.3	65.1	65.1	57.9
5°	115.7	115.7	108.5	101.3	101.3	94.0	94.0	86.8	79.6	79.6	72.3
7.5°	123.0	123.0	123.0	123.0	115.7	115.7	115.7	108.5	101.3	94.0	86.8
10°	130.2	137.4	144.7	144.7	144.7	144.7	144.7	137.4	123.0	115.7	101.3
12.5°	144.7	151.9	166.4	180.8	180.8	188.1	180.8	173.6	159.1	137.4	115.7
15°	159.1	173.6	195.3	224.2	253.2	260.4	260.4	238.7	209.8	166.4	137.4
17.5°	180.8	202.5	260.4	354.4	455.7	535.3	535.3	477.4	332.7	217.0	159.1
20°	195.3	238.7	419.5	853.5	1302.0	1634.8	1569.7	1388.8	745.0	340.0	173.6
22.5°	217.0	303.8	889.7	2242.4	3472.1	4079.7	3935.0	2987.4	1670.9	607.6	209.8
25°	245.9	441.2	1765.0	4202.6	6452.2	7110.5	7016.5	5577.0	3045.3	1019.9	267.6
27.5°	303.8	651.0	2828.3	6372.7	9519.2	10083.4	10047.3	8166.6	4868.1	1642.0	347.2
30°	383.4	947.6	4195.4	8658.5	11551.8	12123.3	11942.4	10061.7	6568.0	2510.0	448.5
32.5°	477.4	1323.7	5432.3	10343.9	13425.3	14177.6	13960.6	11711.0	7935.1	3247.8	665.5
35°	622.1	1692.6	6654.8	11833.9	15588.1	16542.9	16181.3	13410.8	9114.2	4079.7	802.9
37.5°	694.4	1909.6	7776.0	13454.2	18018.6	19320.6	19045.7	15559.2	10314.9	5143.0	983.8
40°	701.6	2170.0	8940.6	15566.4	21454.4	23776.4	23284.5	19248.2	12550.1	6510.1	1265.9
42.5°	723.3	2560.6	10452.4	19168.7	28203.3	31537.9	30980.9	26033.2	17620.7	9251.6	1793.9
45°	824.6	3298.5	13533.8	25903.0	37469.3	42359.2	41715.4	35487.4	24702.3	14409.1	3059.8
47.5°	1179.1	4962.2	18937.2	33172.7	46945.2	50844.0	50684.9	42937.8	31118.4	19696.7	5186.4
50°	1895.2	7616.8	25085.6	39284.9	52977.9	56327.0	55929.1	46048.2	34778.5	23306.2	6647.6
52.5°	2531.7	10155.8	28948.3	41534.5	54779.0	58771.9	58287.2	47183.9	35740.5	24369.5	7052.6
55°	2690.8	11074.4	30098.4	42229.0	55972.5	60840.7	60139.0	47943.4	35863.5	23610.0	6379.9
57.5°	2611.3	10206.4	29353.4	42908.9	57636.2	62967.3	62034.2	49426.2	36275.8	22322.5	5309.4
59°	2473.8	9135.9	28890.4	43451.4	58554.9	63300.0	62424.8	49751.8	36550.7	21736.6	4658.3
60°	2314.7	8412.5	28528.8	43805.8	58497.0	62779.2	61875.0	49599.9	36659.2	21230.2	4347.3
62.5°	1786.7	6712.7	28008.0	43552.7	54844.1	58026.8	57513.3	45881.9	35067.8	19609.9	3428.7
65°	1388.8	5135.8	26098.3	38843.7	46670.3	48811.4	48652.3	38850.9	29512.5	16904.6	2473.8
67.5°	1099.5	3746.9	22069.3	31458.3	37548.9	40594.2	40478.5	31537.9	22402.0	12919.0	1779.4
70°	896.9	2669.1	15132.4	23718.5	30033.3	33867.1	33700.7	25382.2	16600.8	8195.5	1294.8
72.5°	759.5	1707.1	9179.3	17881.1	25063.9	27255.7	26771.0	20477.9	12072.6	4463.0	1027.2
75°	643.8	1048.9	4549.8	11146.8	14929.9	14915.4	14430.8	10843.0	6481.2	2184.5	817.4
77.5°	520.8	737.8	1786.7	3059.8	4709.0	5830.2	5736.1	3841.0	1938.6	636.5	506.3
80°	340.0	347.2	477.4	839.1	1294.8	1432.2	1627.5	1171.8	564.2	303.8	209.8
82.5°	151.9	166.4	217.0	274.9	274.9	253.2	224.2	166.4	123.0	101.3	50.6
85°	36.2	50.6	36.2	43.4	36.2	28.9	28.9	14.5	0.0	0.0	0.0
87.5°	7.2	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°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	57.9	57.9	57.9	50.6	50.6	50.6	43.4	43.4	43.4	36.2	36.2
5°	72.3	65.1	57.9	57.9	50.6	50.6	43.4	36.2	36.2	36.2	28.9
7.5°	79.6	72.3	65.1	57.9	50.6	43.4	43.4	36.2	28.9	28.9	28.9
10°	94.0	86.8	72.3	57.9	50.6	43.4	36.2	36.2	28.9	21.7	21.7
12.5°	108.5	94.0	79.6	65.1	50.6	43.4	36.2	36.2	28.9	21.7	14.5
15°	123.0	108.5	86.8	65.1	50.6	43.4	36.2	36.2	21.7	14.5	7.2
17.5°	137.4	115.7	86.8	72.3	50.6	43.4	36.2	28.9	14.5	7.2	0.0
20°	144.7	123.0	94.0	72.3	50.6	43.4	36.2	21.7	7.2	0.0	0.0
22.5°	159.1	137.4	101.3	72.3	50.6	36.2	21.7	7.2	0.0	0.0	0.0
25°	188.1	144.7	101.3	72.3	50.6	36.2	14.5	0.0	0.0	0.0	0.0
27.5°	209.8	159.1	101.3	72.3	50.6	28.9	7.2	0.0	0.0	0.0	0.0
30°	245.9	173.6	108.5	72.3	50.6	21.7	7.2	0.0	0.0	0.0	0.0
32.5°	303.8	188.1	108.5	72.3	43.4	21.7	0.0	0.0	0.0	0.0	0.0
35°	368.9	217.0	108.5	72.3	43.4	21.7	0.0	0.0	0.0	0.0	0.0
37.5°	376.1	231.5	108.5	72.3	43.4	14.5	0.0	0.0	0.0	0.0	0.0
40°	390.6	217.0	115.7	72.3	43.4	14.5	0.0	0.0	0.0	0.0	0.0
42.5°	448.5	202.5	123.0	72.3	43.4	14.5	0.0	0.0	0.0	0.0	0.0
45°	665.5	209.8	123.0	79.6	43.4	21.7	0.0	0.0	0.0	0.0	0.0
47.5°	1157.4	217.0	115.7	79.6	43.4	21.7	0.0	0.0	0.0	0.0	0.0
50°	1482.9	253.2	115.7	86.8	50.6	14.5	0.0	0.0	0.0	0.0	0.0
52.5°	1576.9	296.6	115.7	94.0	65.1	7.2	0.0	0.0	0.0	0.0	0.0
55°	1533.5	347.2	123.0	101.3	79.6	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1417.8	376.1	130.2	108.5	86.8	0.0	0.0	0.0	0.0	0.0	0.0
59°	*1294.8*	*397.8*	*151.9*	*115.7*	*86.8*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	1193.5	419.5	159.1	123.0	86.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	962.1	448.5	173.6	144.7	72.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	839.1	470.2	180.8	159.1	65.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	766.7	484.6	195.3	166.4	57.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	708.9	477.4	209.8	159.1	50.6	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	643.8	455.7	253.2	144.7	43.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	578.7	412.3	274.9	130.2	28.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	419.5	347.2	253.2	115.7	14.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	180.8	188.1	180.8	86.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.2	43.4	36.2	21.7	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°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	36.2	36.2	36.2	36.2	43.4	43.4	57.9	72.3	86.8	94.0	94.0
5°	28.9	28.9	28.9	28.9	28.9	36.2	43.4	57.9	79.6	86.8	86.8
7.5°	21.7	21.7	21.7	21.7	21.7	21.7	36.2	50.6	72.3	79.6	86.8
10°	21.7	14.5	14.5	7.2	7.2	14.5	21.7	43.4	65.1	72.3	79.6
12.5°	14.5	7.2	7.2	0.0	0.0	7.2	14.5	36.2	57.9	65.1	72.3
15°	7.2	0.0	0.0	0.0	0.0	0.0	7.2	28.9	50.6	57.9	72.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	43.4	57.9	65.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	36.2	50.6	57.9
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	28.9	43.4	50.6
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	28.9	36.2
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	21.7	28.9
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	21.7	28.9
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5	21.7
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5	21.7
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5	14.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
59°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*7.2*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	14.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	7.2
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: P1066690
CATALOG NUMBER: NVN-SA6B-740-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
2.5°	101.3	101.3	94.0	86.8	86.8	86.8	94.0	101.3	101.3	101.3
5°	94.0	94.0	86.8	86.8	86.8	86.8	94.0	108.5	115.7	115.7
7.5°	94.0	94.0	86.8	86.8	86.8	86.8	94.0	108.5	115.7	123.0
10°	86.8	86.8	86.8	86.8	79.6	86.8	94.0	108.5	130.2	130.2
12.5°	86.8	86.8	86.8	86.8	79.6	86.8	101.3	115.7	137.4	144.7
15°	86.8	86.8	86.8	79.6	79.6	86.8	101.3	123.0	144.7	159.1
17.5°	79.6	86.8	86.8	79.6	79.6	86.8	101.3	123.0	159.1	180.8
20°	72.3	79.6	86.8	79.6	79.6	79.6	101.3	123.0	166.4	195.3
22.5°	65.1	72.3	79.6	79.6	72.3	79.6	101.3	130.2	180.8	217.0
25°	57.9	65.1	65.1	72.3	72.3	79.6	101.3	130.2	188.1	245.9
27.5°	43.4	50.6	57.9	65.1	65.1	79.6	101.3	137.4	202.5	303.8
30°	36.2	43.4	50.6	57.9	65.1	79.6	101.3	137.4	217.0	383.4
32.5°	36.2	43.4	50.6	57.9	65.1	72.3	101.3	144.7	238.7	477.4
35°	28.9	36.2	43.4	57.9	57.9	72.3	101.3	144.7	260.4	622.1
37.5°	28.9	36.2	43.4	57.9	57.9	72.3	101.3	144.7	318.3	694.4
40°	21.7	28.9	36.2	57.9	57.9	72.3	108.5	151.9	325.5	701.6
42.5°	21.7	28.9	36.2	50.6	57.9	72.3	108.5	151.9	303.8	723.3
45°	21.7	28.9	36.2	57.9	65.1	79.6	108.5	159.1	296.6	824.6
47.5°	21.7	28.9	36.2	57.9	72.3	79.6	108.5	159.1	303.8	1179.1
50°	21.7	28.9	36.2	57.9	79.6	79.6	108.5	159.1	332.7	1895.2
52.5°	14.5	21.7	28.9	50.6	65.1	86.8	115.7	151.9	354.4	2531.7
55°	14.5	14.5	21.7	43.4	57.9	94.0	123.0	151.9	412.3	2690.8
57.5°	14.5	14.5	21.7	36.2	50.6	101.3	130.2	151.9	477.4	2611.3
59°	*14.5*	*14.5*	*14.5*	*36.2*	*43.4*	*101.3*	*130.2*	*159.1*	*484.6*	*2473.8*
60°	14.5	14.5	14.5	28.9	43.4	101.3	137.4	166.4	491.9	2314.7
62.5°	7.2	7.2	7.2	28.9	36.2	101.3	151.9	202.5	506.3	1786.7
65°	14.5	14.5	7.2	21.7	36.2	86.8	173.6	217.0	513.6	1388.8
67.5°	14.5	14.5	14.5	28.9	36.2	86.8	180.8	224.2	513.6	1099.5
70°	14.5	14.5	14.5	28.9	43.4	86.8	180.8	231.5	506.3	896.9
72.5°	14.5	14.5	14.5	28.9	43.4	79.6	166.4	238.7	484.6	759.5
75°	14.5	14.5	14.5	21.7	36.2	72.3	159.1	260.4	441.2	643.8
77.5°	14.5	14.5	14.5	14.5	28.9	57.9	144.7	289.3	390.6	520.8
80°	21.7	14.5	14.5	14.5	21.7	50.6	137.4	282.1	325.5	340.0
82.5°	21.7	14.5	14.5	7.2	14.5	36.2	108.5	217.0	166.4	151.9
85°	14.5	14.5	14.5	7.2	7.2	21.7	50.6	65.1	50.6	36.2
87.5°	14.5	14.5	14.5	7.2	7.2	7.2	7.2	7.2	7.2	7.2
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

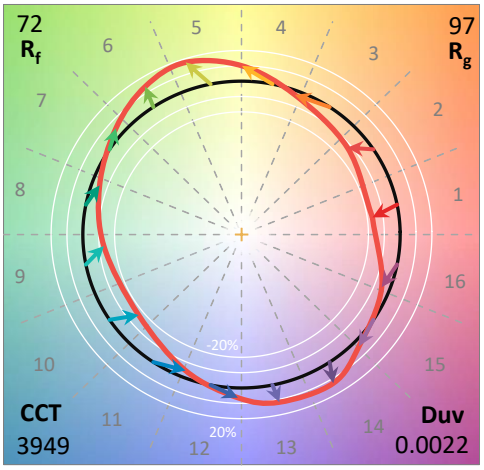
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-1
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-740-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949
CIE u':	0.2248
CIE v':	0.5053
Duv:	0.0022
CIE x:	0.3844
CIE y:	0.3840
CIE z:	0.2316
Peak Wavelength (nm):	440
Dominant Wavelength (nm):	578
Purity:	30.60026
Rf:	71.8
Rg:	96.5

CRI (Ra):	70.7
R1:	68.0
R2:	76.0
R3:	84.3
R4:	72.0
R5:	68.6
R6:	68.3
R7:	77.9
R8:	50.3
R9:	-36.7
R10:	45.1
R11:	70.7
R12:	47.1
R13:	68.5
R14:	91.1
R15:	58.7



Test Conditions

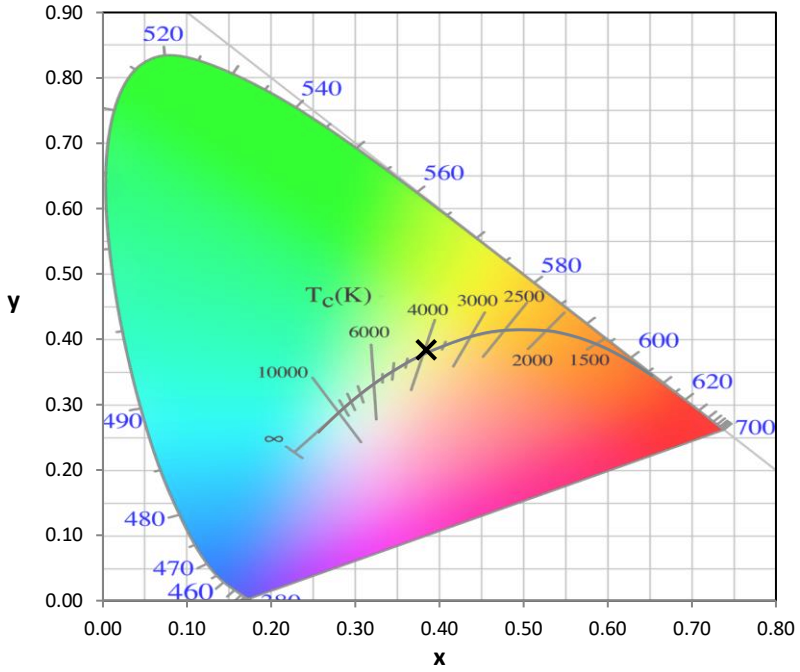
Stabilization Time:	34M
Operation Time:	1H 34M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-1

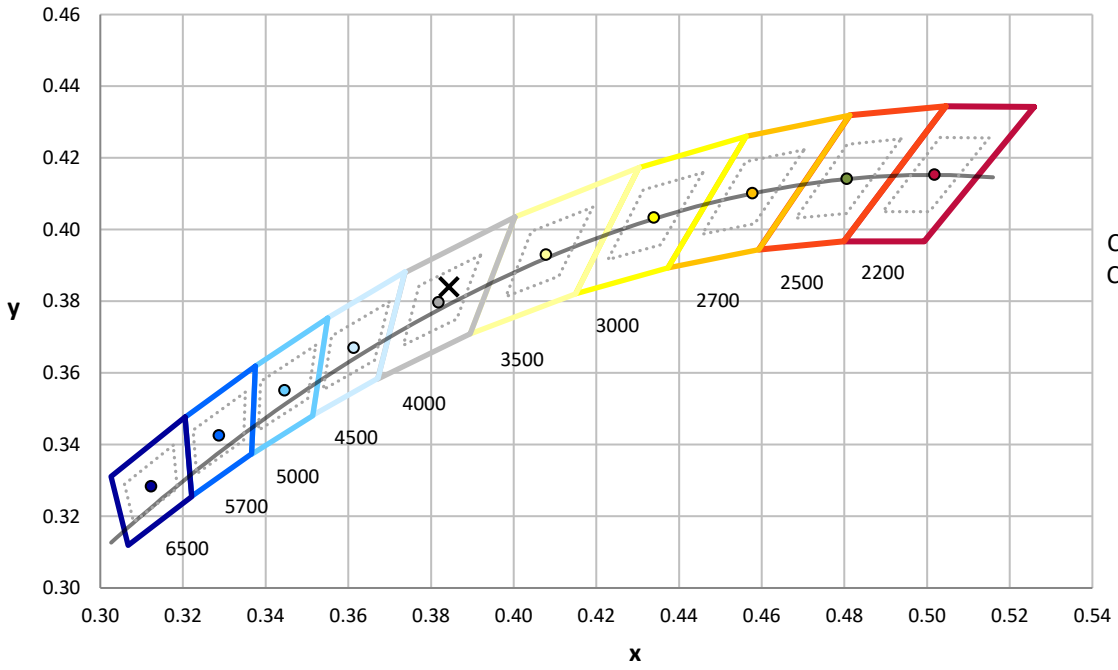
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



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

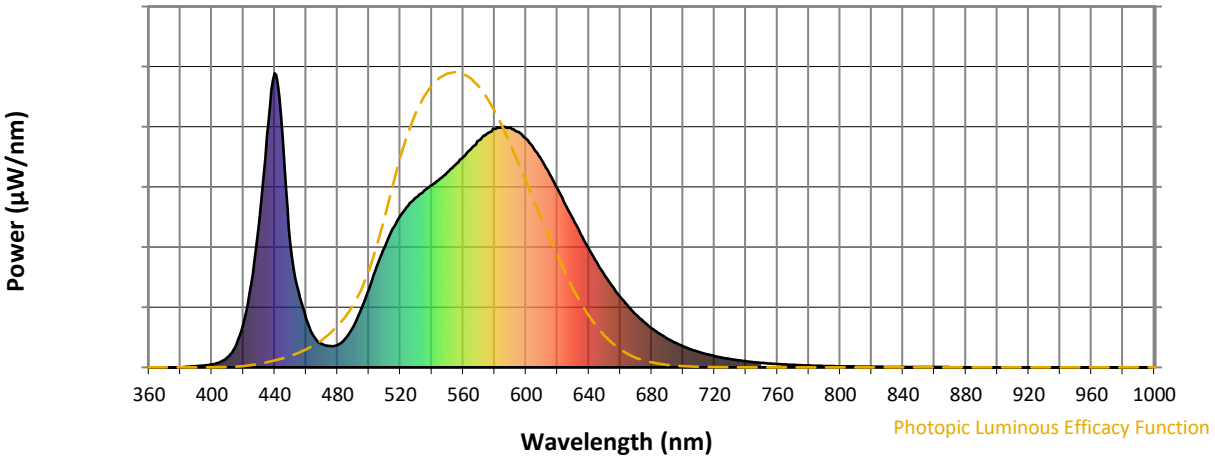


CCT = 3949K
CIE x = 0.3844
CIE y = 0.3840
Duv = 0.0022

Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

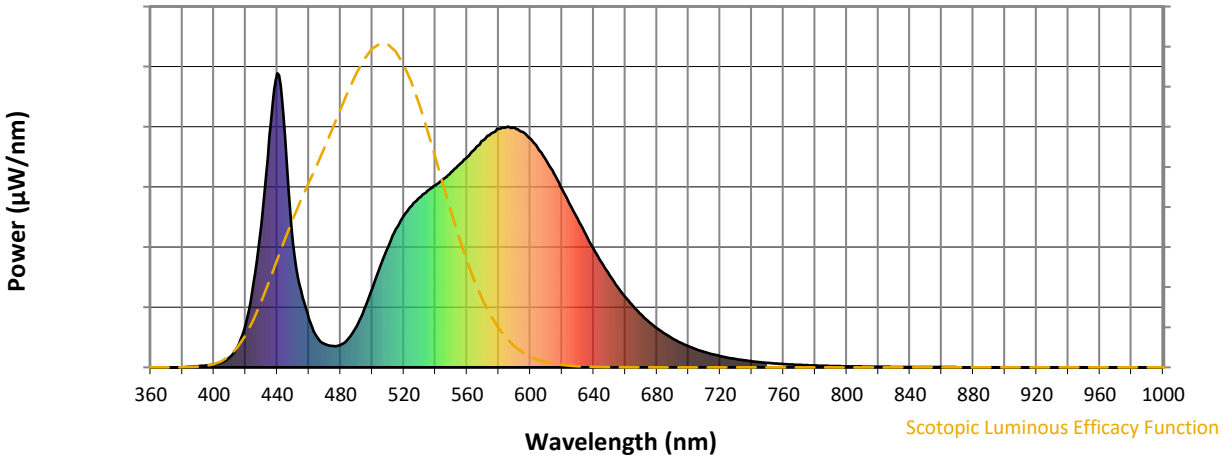


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength

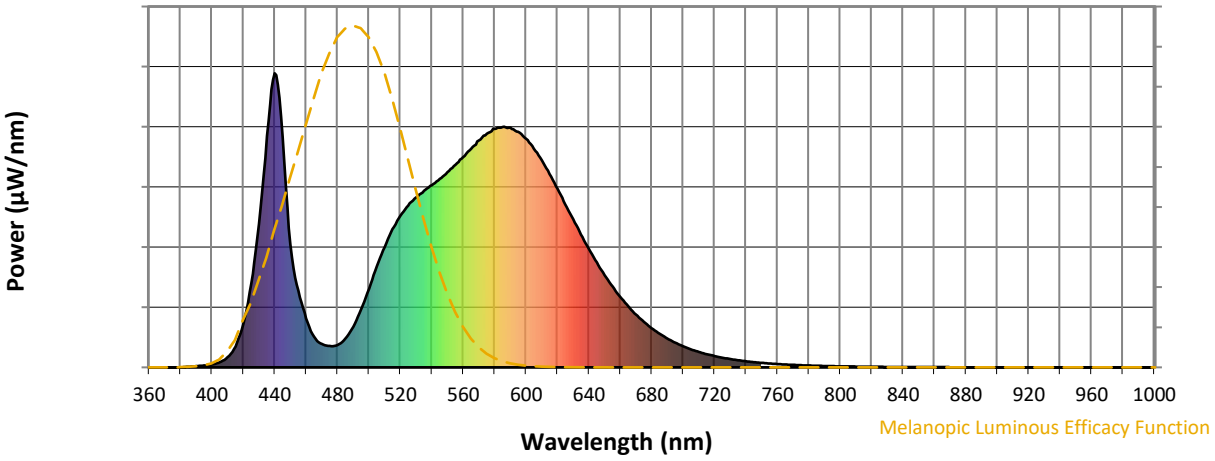


Scotopic Lumens: NR **S/P: 1.47**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.78**

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

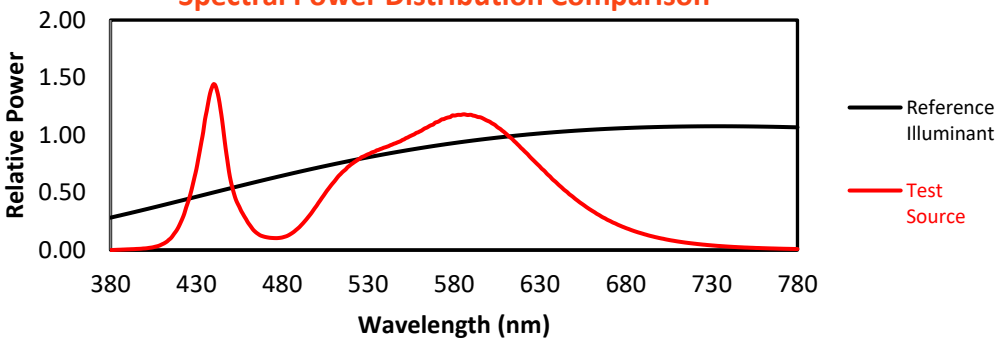
REPORT NUMBER: SP1-2407-184-1

TM-30-18

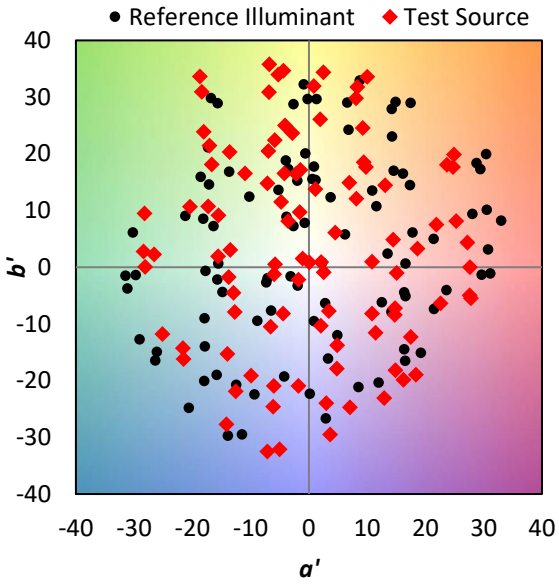
Summary

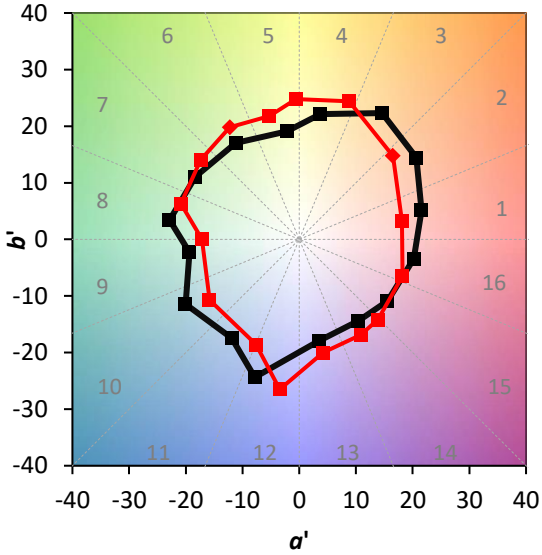
R_f = 71.8
R_g = 96.5
CIE R_a = 70.7
R_9 = -36.7

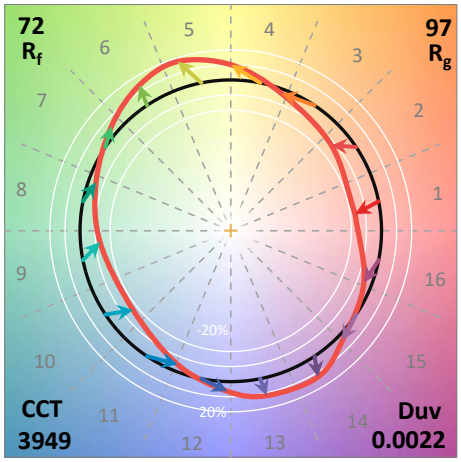
Spectral Power Distribution Comparison

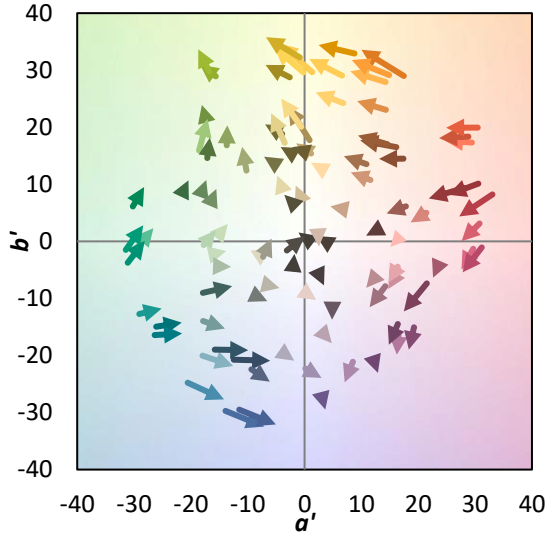


Color Vector Graphics







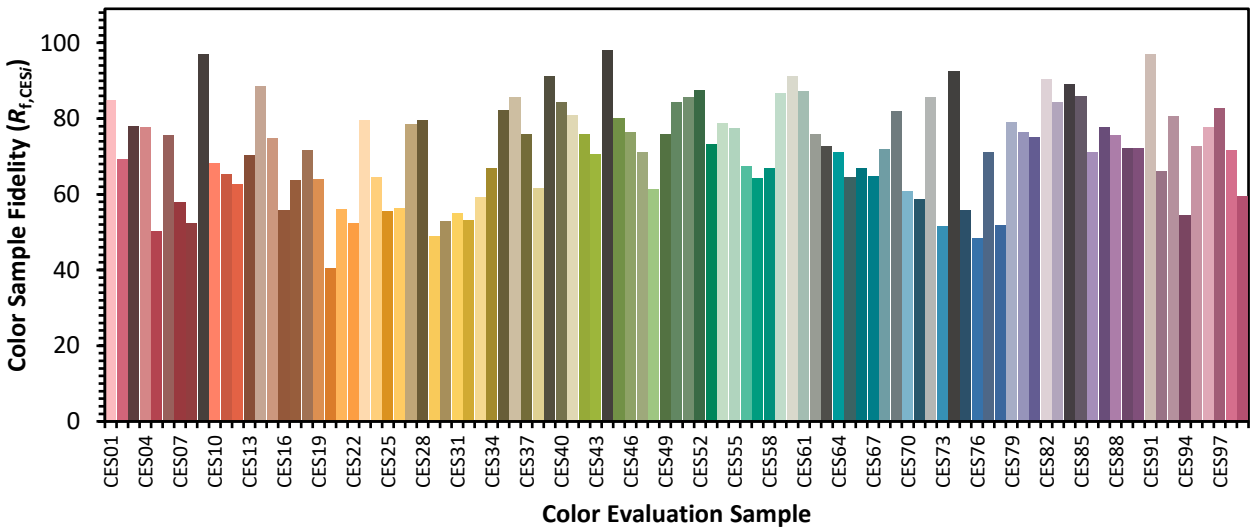


REPORT NUMBER: SP1-2407-184-1

TM-30-18

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

CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



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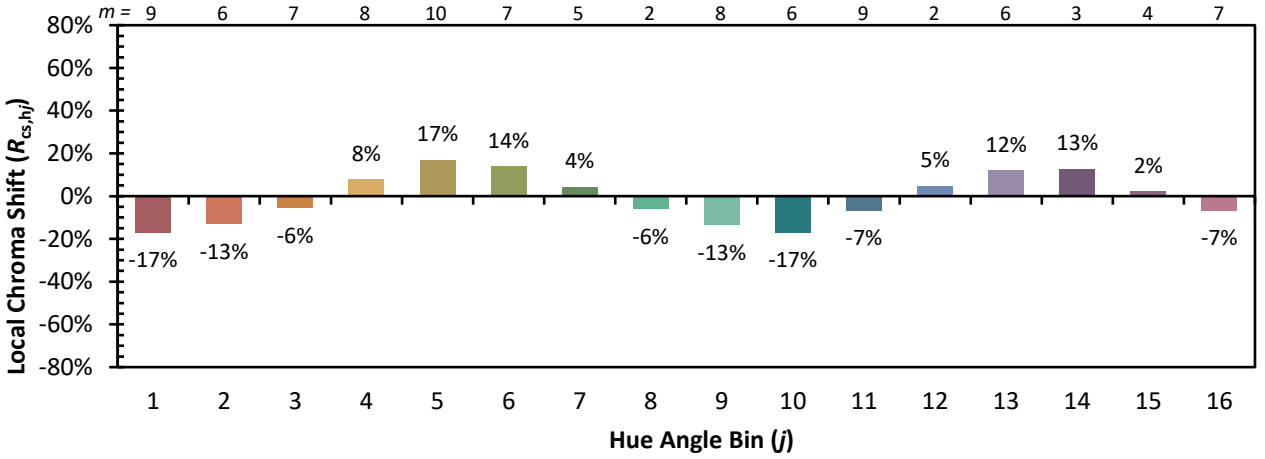
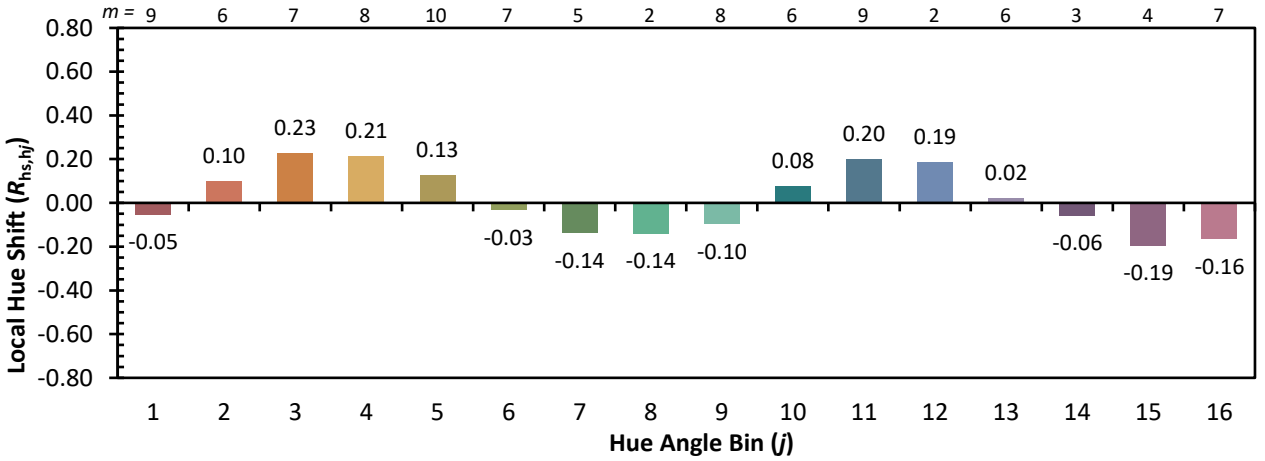
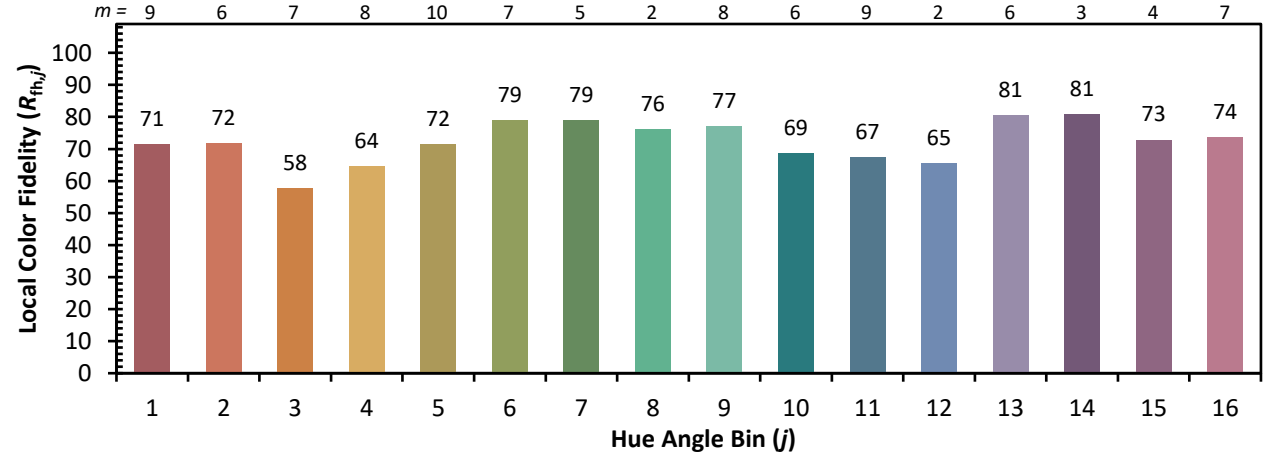
Color Rendition by Hue-Angle Bin







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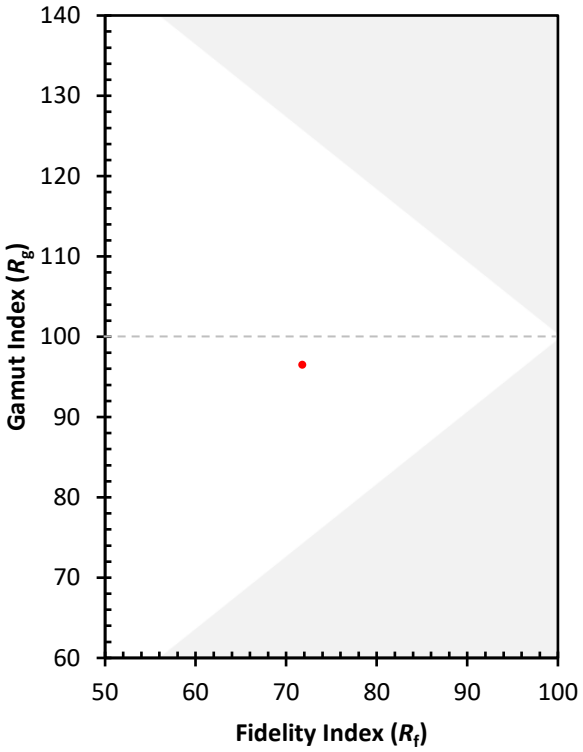
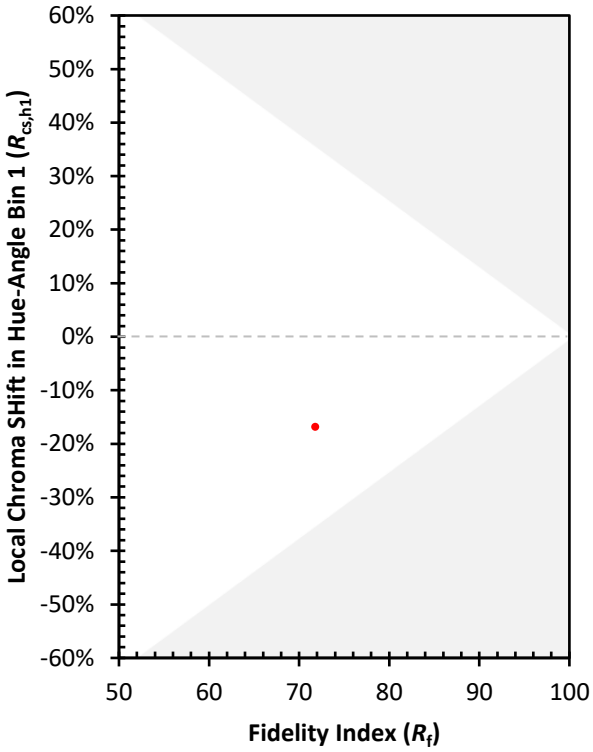
Measure Comparisons





(END OF REPORT)