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: P1066721

Luminaire Tested: **NVN-SA2A-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:	P1066721
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	NVN-SA2A-727-U-LBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 615mA 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:	5201.2 lumens
Efficiency:	N/A
Efficacy:	94.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G2

Input Watts (W):	55.3
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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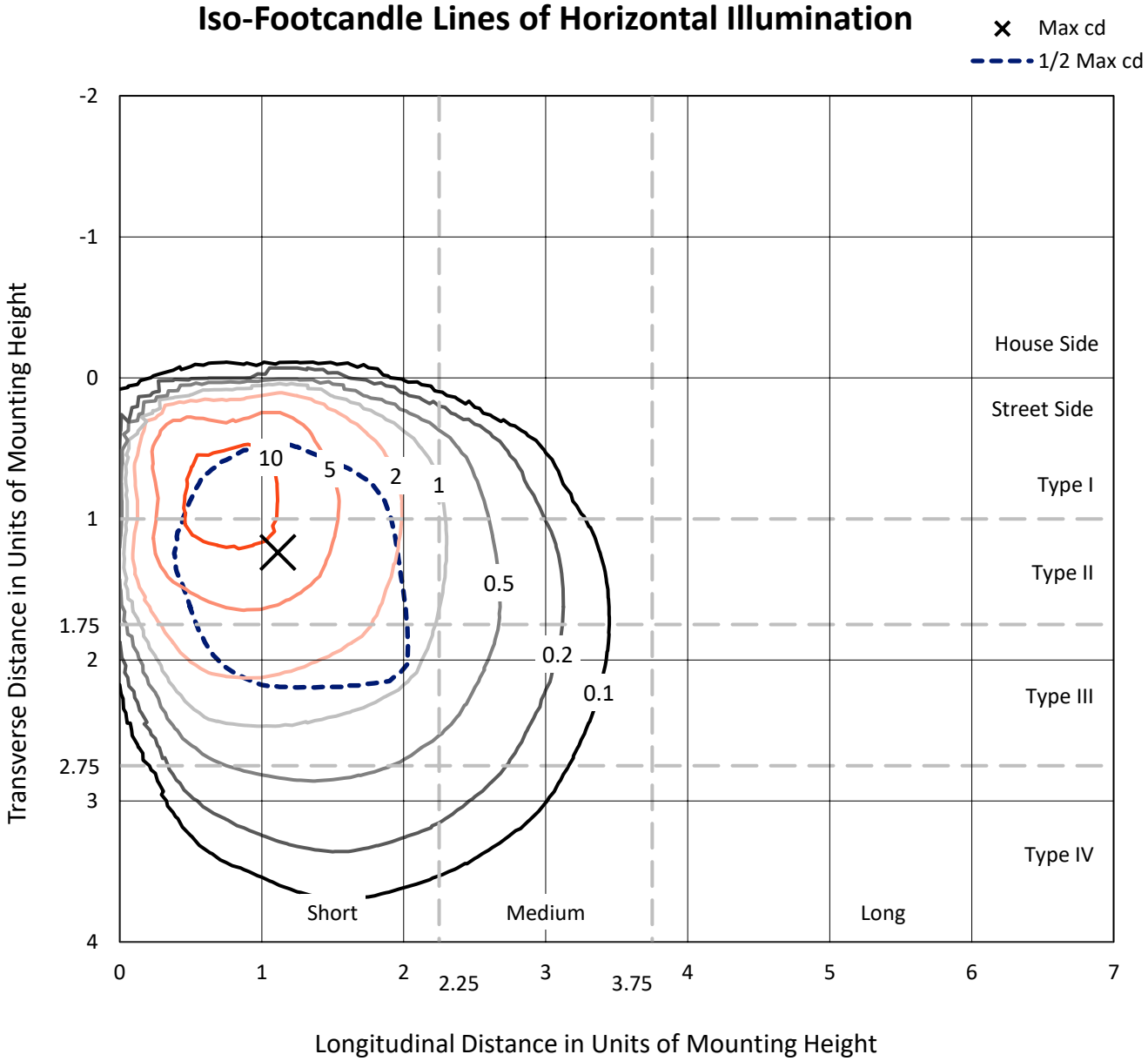
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 15.5 fc
Type III - Short - N/A

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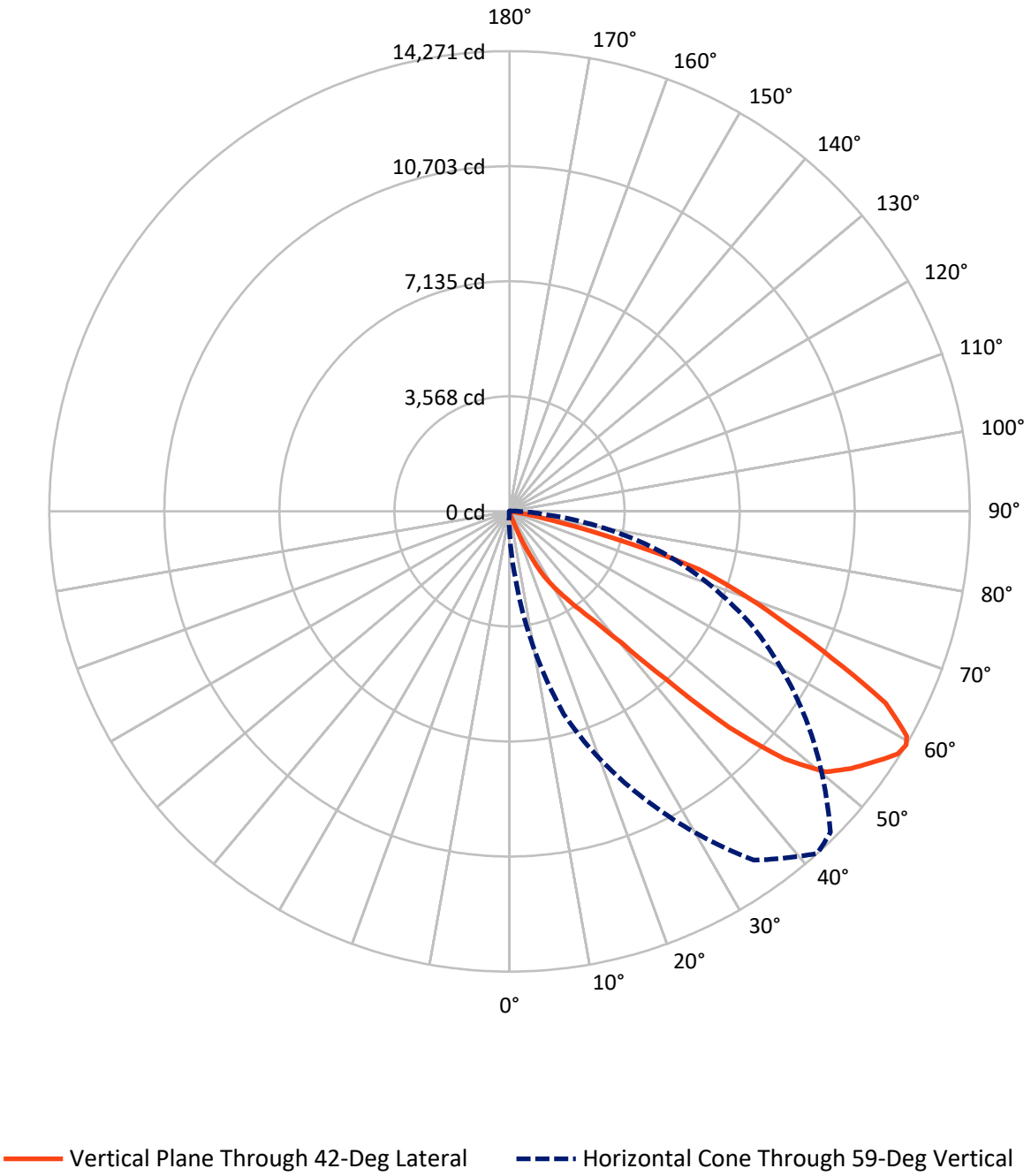
Luminous Intensity Polar Plot



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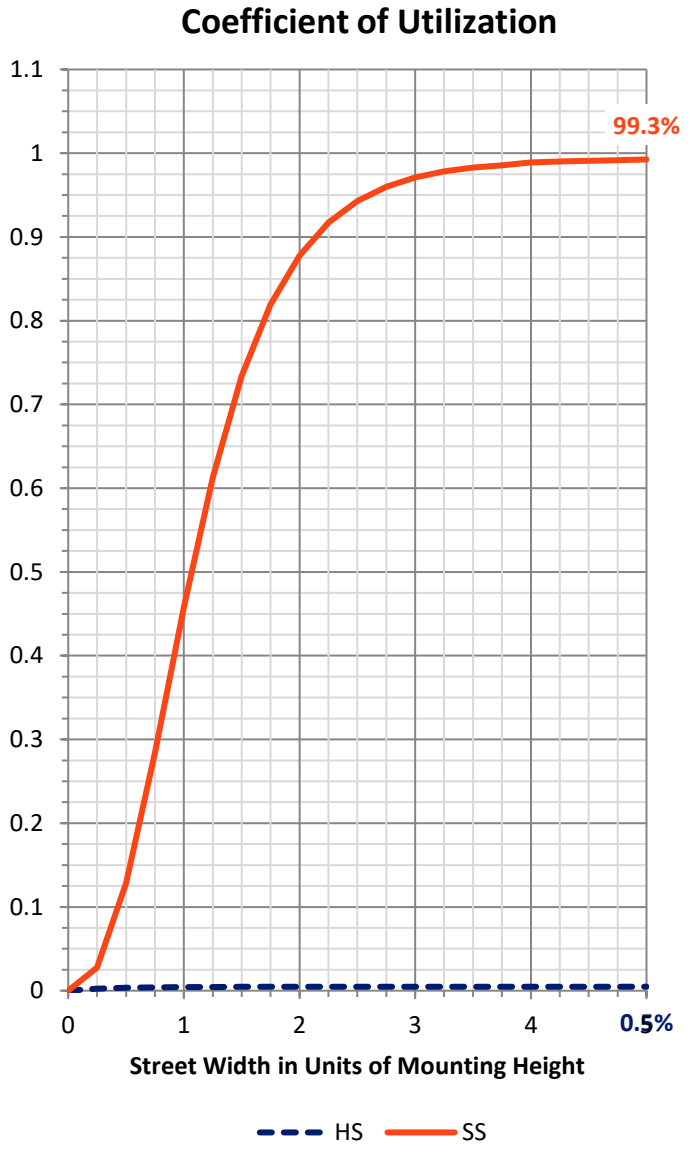
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.1	0.0	25.1
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	5176.2	0.0	5176.2
	% Fixture	99.5	0.0	99.5
Total	Lumens	5201.2	0.0	5201.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	7.6	0.1
20°-30°	97.0	1.9
30°-40°	327.1	6.3
40°-50°	988.0	19.0
50°-60°	1744.0	33.5
60°-70°	1535.6	29.5
70°-80°	488.8	9.4
80°-90°	11.7	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°	5201.2	100.0
0°-180°	5201.2	100.0



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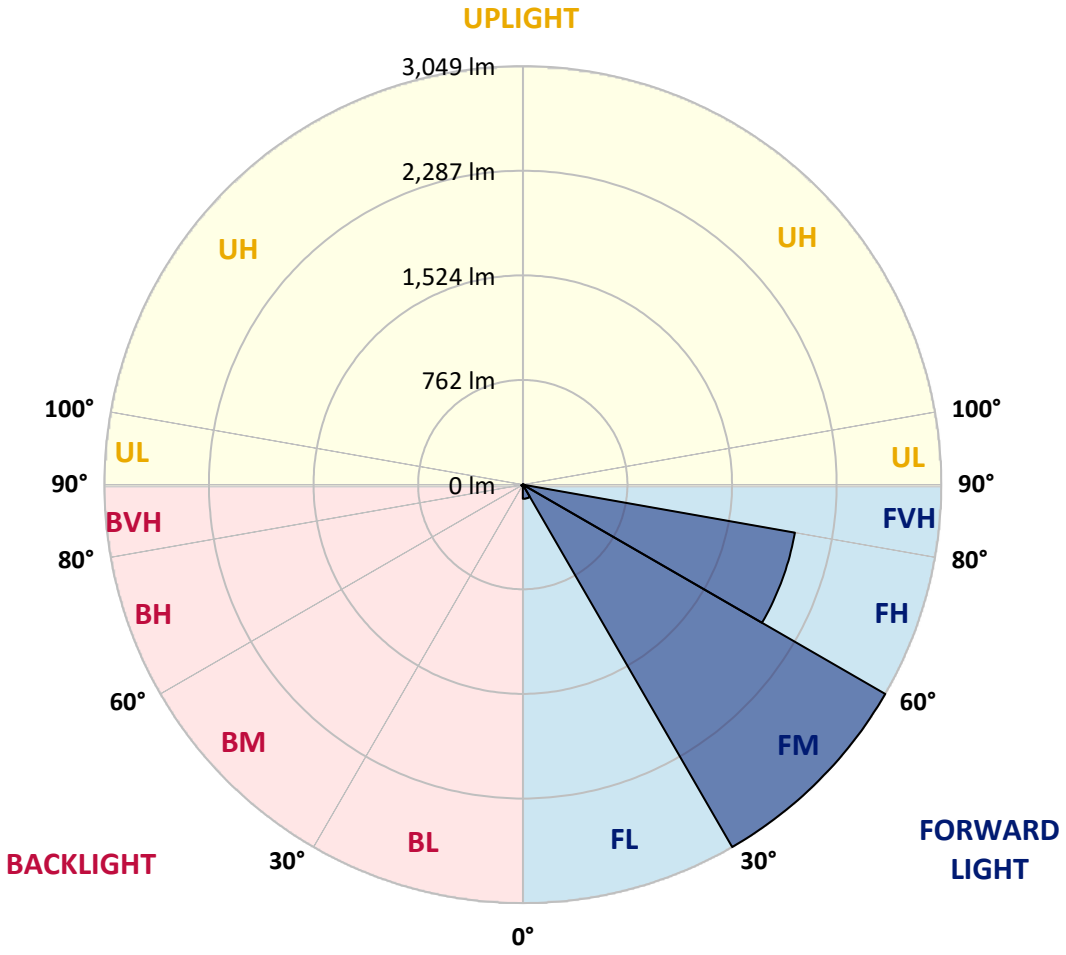
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	103.3	2.0			
FM	(30°-60°)	3048.8	58.6			
FH	(60°-80°)	2012.9	38.7			G2/5000
FVH	(80°-90°)	11.1	0.2			G1/100
BL	(0°-30°)	2.8	0.1	B0/110		
BM	(30°-60°)	10.2	0.2	B0/220		
BH	(60°-80°)	11.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
2.5°	22.8	22.8	21.2	19.6	17.9	16.3	16.3	16.3	14.7	14.7	13.0
5°	26.1	26.1	24.5	22.8	22.8	21.2	21.2	19.6	17.9	17.9	16.3
7.5°	27.7	27.7	27.7	27.7	26.1	26.1	26.1	24.5	22.8	21.2	19.6
10°	29.4	31.0	32.6	32.6	32.6	32.6	32.6	31.0	27.7	26.1	22.8
12.5°	32.6	34.2	37.5	40.8	40.8	42.4	40.8	39.1	35.9	31.0	26.1
15°	35.9	39.1	44.0	50.6	57.1	58.7	58.7	53.8	47.3	37.5	31.0
17.5°	40.8	45.7	58.7	79.9	102.7	120.7	120.7	107.6	75.0	48.9	35.9
20°	44.0	53.8	94.6	192.4	293.5	368.6	353.9	313.1	168.0	76.6	39.1
22.5°	48.9	68.5	200.6	505.5	782.8	919.7	887.1	673.5	376.7	137.0	47.3
25°	55.4	99.5	397.9	947.5	1454.6	1603.0	1581.8	1257.3	686.6	229.9	60.3
27.5°	68.5	146.8	637.6	1436.7	2146.1	2273.3	2265.1	1841.1	1097.5	370.2	78.3
30°	86.4	213.6	945.8	1952.0	2604.3	2733.2	2692.4	2268.4	1480.7	565.9	101.1
32.5°	107.6	298.4	1224.7	2332.0	3026.7	3196.3	3147.4	2640.2	1788.9	732.2	150.0
35°	140.2	381.6	1500.3	2667.9	3514.3	3729.6	3648.0	3023.4	2054.8	919.7	181.0
37.5°	156.6	430.5	1753.1	3033.2	4062.2	4355.8	4293.8	3507.8	2325.5	1159.5	221.8
40°	158.2	489.2	2015.6	3509.4	4836.8	5360.3	5249.4	4339.5	2829.4	1467.7	285.4
42.5°	163.1	577.3	2356.5	4321.5	6358.3	7110.1	6984.6	5869.1	3972.5	2085.7	404.4
45°	185.9	743.6	3051.2	5839.8	8447.3	9549.7	9404.6	8000.5	5569.1	3248.5	689.8
47.5°	265.8	1118.7	4269.3	7478.7	10583.6	11462.6	11426.7	9680.2	7015.5	4440.6	1169.3
50°	427.3	1717.2	5655.5	8856.7	11943.7	12698.7	12609.1	10381.4	7840.7	5254.3	1498.7
52.5°	570.8	2289.6	6526.3	9363.8	12349.8	13249.9	13140.7	10637.5	8057.6	5494.0	1590.0
55°	606.6	2496.7	6785.6	9520.4	12618.8	13716.3	13558.2	10808.7	8085.3	5322.8	1438.3
57.5°	588.7	2301.0	6617.6	9673.7	12993.9	14195.8	13985.4	11143.0	8178.3	5032.5	1197.0
59°	557.7	2059.7	6513.3	9796.0	13201.0	14270.8	14073.5	11216.4	8240.2	4900.4	1050.2
60°	521.8	1896.6	6431.7	9875.9	13188.0	14153.4	13949.5	11182.1	8264.7	4786.3	980.1
62.5°	402.8	1513.3	6314.3	9818.8	12364.4	13082.0	12966.2	10343.9	7905.9	4421.0	773.0
65°	313.1	1157.8	5883.8	8757.2	10521.7	11004.4	10968.5	8758.8	6653.5	3811.1	557.7
67.5°	247.9	844.7	4975.5	7092.2	8465.3	9151.8	9125.7	7110.1	5050.5	2912.5	401.2
70°	202.2	601.8	3411.6	5347.3	6770.9	7635.2	7597.7	5722.3	3742.6	1847.7	291.9
72.5°	171.2	384.9	2069.4	4031.2	5650.6	6144.7	6035.5	4616.7	2721.7	1006.2	231.6
75°	145.1	236.5	1025.7	2513.0	3365.9	3362.6	3253.4	2444.5	1461.2	492.5	184.3
77.5°	117.4	166.3	402.8	689.8	1061.6	1314.4	1293.2	865.9	437.0	143.5	114.2
80°	76.6	78.3	107.6	189.2	291.9	322.9	366.9	264.2	127.2	68.5	47.3
82.5°	34.2	37.5	48.9	62.0	62.0	57.1	50.6	37.5	27.7	22.8	11.4
85°	8.2	11.4	8.2	9.8	8.2	6.5	6.5	3.3	0.0	0.0	0.0
87.5°	1.6	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°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
2.5°	13.0	13.0	13.0	11.4	11.4	11.4	9.8	9.8	9.8	8.2	8.2
5°	16.3	14.7	13.0	13.0	11.4	11.4	9.8	8.2	8.2	8.2	6.5
7.5°	17.9	16.3	14.7	13.0	11.4	9.8	9.8	8.2	6.5	6.5	6.5
10°	21.2	19.6	16.3	13.0	11.4	9.8	8.2	8.2	6.5	4.9	4.9
12.5°	24.5	21.2	17.9	14.7	11.4	9.8	8.2	8.2	6.5	4.9	3.3
15°	27.7	24.5	19.6	14.7	11.4	9.8	8.2	8.2	4.9	3.3	1.6
17.5°	31.0	26.1	19.6	16.3	11.4	9.8	8.2	6.5	3.3	1.6	0.0
20°	32.6	27.7	21.2	16.3	11.4	9.8	8.2	4.9	1.6	0.0	0.0
22.5°	35.9	31.0	22.8	16.3	11.4	8.2	4.9	1.6	0.0	0.0	0.0
25°	42.4	32.6	22.8	16.3	11.4	8.2	3.3	0.0	0.0	0.0	0.0
27.5°	47.3	35.9	22.8	16.3	11.4	6.5	1.6	0.0	0.0	0.0	0.0
30°	55.4	39.1	24.5	16.3	11.4	4.9	1.6	0.0	0.0	0.0	0.0
32.5°	68.5	42.4	24.5	16.3	9.8	4.9	0.0	0.0	0.0	0.0	0.0
35°	83.2	48.9	24.5	16.3	9.8	4.9	0.0	0.0	0.0	0.0	0.0
37.5°	84.8	52.2	24.5	16.3	9.8	3.3	0.0	0.0	0.0	0.0	0.0
40°	88.1	48.9	26.1	16.3	9.8	3.3	0.0	0.0	0.0	0.0	0.0
42.5°	101.1	45.7	27.7	16.3	9.8	3.3	0.0	0.0	0.0	0.0	0.0
45°	150.0	47.3	27.7	17.9	9.8	4.9	0.0	0.0	0.0	0.0	0.0
47.5°	260.9	48.9	26.1	17.9	9.8	4.9	0.0	0.0	0.0	0.0	0.0
50°	334.3	57.1	26.1	19.6	11.4	3.3	0.0	0.0	0.0	0.0	0.0
52.5°	355.5	66.9	26.1	21.2	14.7	1.6	0.0	0.0	0.0	0.0	0.0
55°	345.7	78.3	27.7	22.8	17.9	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	319.6	84.8	29.4	24.5	19.6	0.0	0.0	0.0	0.0	0.0	0.0
59°	*291.9*	*89.7*	*34.2*	*26.1*	*19.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	269.1	94.6	35.9	27.7	19.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	216.9	101.1	39.1	32.6	16.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	189.2	106.0	40.8	35.9	14.7	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	172.9	109.3	44.0	37.5	13.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	159.8	107.6	47.3	35.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	145.1	102.7	57.1	32.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	130.5	93.0	62.0	29.4	6.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	94.6	78.3	57.1	26.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.8	42.4	40.8	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.2	9.8	8.2	4.9	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°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
2.5°	8.2	8.2	8.2	8.2	9.8	9.8	13.0	16.3	19.6	21.2	21.2
5°	6.5	6.5	6.5	6.5	6.5	8.2	9.8	13.0	17.9	19.6	19.6
7.5°	4.9	4.9	4.9	4.9	4.9	4.9	8.2	11.4	16.3	17.9	19.6
10°	4.9	3.3	3.3	1.6	1.6	3.3	4.9	9.8	14.7	16.3	17.9
12.5°	3.3	1.6	1.6	0.0	0.0	1.6	3.3	8.2	13.0	14.7	16.3
15°	1.6	0.0	0.0	0.0	0.0	0.0	1.6	6.5	11.4	13.0	16.3
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	9.8	13.0	14.7
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	8.2	11.4	13.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.5	9.8	11.4
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	6.5	8.2
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.9	6.5
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.9	6.5
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	4.9
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	3.3
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
59°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1.6*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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: P1066721
CATALOG NUMBER: NVN-SA2A-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
2.5°	22.8	22.8	21.2	19.6	19.6	19.6	21.2	22.8	22.8	22.8
5°	21.2	21.2	19.6	19.6	19.6	19.6	21.2	24.5	26.1	26.1
7.5°	21.2	21.2	19.6	19.6	19.6	19.6	21.2	24.5	26.1	27.7
10°	19.6	19.6	19.6	19.6	17.9	19.6	21.2	24.5	29.4	29.4
12.5°	19.6	19.6	19.6	19.6	17.9	19.6	22.8	26.1	31.0	32.6
15°	19.6	19.6	19.6	17.9	17.9	19.6	22.8	27.7	32.6	35.9
17.5°	17.9	19.6	19.6	17.9	17.9	19.6	22.8	27.7	35.9	40.8
20°	16.3	17.9	19.6	17.9	17.9	17.9	22.8	27.7	37.5	44.0
22.5°	14.7	16.3	17.9	17.9	16.3	17.9	22.8	29.4	40.8	48.9
25°	13.0	14.7	14.7	16.3	16.3	17.9	22.8	29.4	42.4	55.4
27.5°	9.8	11.4	13.0	14.7	14.7	17.9	22.8	31.0	45.7	68.5
30°	8.2	9.8	11.4	13.0	14.7	17.9	22.8	31.0	48.9	86.4
32.5°	8.2	9.8	11.4	13.0	14.7	16.3	22.8	32.6	53.8	107.6
35°	6.5	8.2	9.8	13.0	13.0	16.3	22.8	32.6	58.7	140.2
37.5°	6.5	8.2	9.8	13.0	13.0	16.3	22.8	32.6	71.8	156.6
40°	4.9	6.5	8.2	13.0	13.0	16.3	24.5	34.2	73.4	158.2
42.5°	4.9	6.5	8.2	11.4	13.0	16.3	24.5	34.2	68.5	163.1
45°	4.9	6.5	8.2	13.0	14.7	17.9	24.5	35.9	66.9	185.9
47.5°	4.9	6.5	8.2	13.0	16.3	17.9	24.5	35.9	68.5	265.8
50°	4.9	6.5	8.2	13.0	17.9	17.9	24.5	35.9	75.0	427.3
52.5°	3.3	4.9	6.5	11.4	14.7	19.6	26.1	34.2	79.9	570.8
55°	3.3	3.3	4.9	9.8	13.0	21.2	27.7	34.2	93.0	606.6
57.5°	3.3	3.3	4.9	8.2	11.4	22.8	29.4	34.2	107.6	588.7
59°	*3.3*	*3.3*	*3.3*	*8.2*	*9.8*	*22.8*	*29.4*	*35.9*	*109.3*	*557.7*
60°	3.3	3.3	3.3	6.5	9.8	22.8	31.0	37.5	110.9	521.8
62.5°	1.6	1.6	1.6	6.5	8.2	22.8	34.2	45.7	114.2	402.8
65°	3.3	3.3	1.6	4.9	8.2	19.6	39.1	48.9	115.8	313.1
67.5°	3.3	3.3	3.3	6.5	8.2	19.6	40.8	50.6	115.8	247.9
70°	3.3	3.3	3.3	6.5	9.8	19.6	40.8	52.2	114.2	202.2
72.5°	3.3	3.3	3.3	6.5	9.8	17.9	37.5	53.8	109.3	171.2
75°	3.3	3.3	3.3	4.9	8.2	16.3	35.9	58.7	99.5	145.1
77.5°	3.3	3.3	3.3	3.3	6.5	13.0	32.6	65.2	88.1	117.4
80°	4.9	3.3	3.3	3.3	4.9	11.4	31.0	63.6	73.4	76.6
82.5°	4.9	3.3	3.3	1.6	3.3	8.2	24.5	48.9	37.5	34.2
85°	3.3	3.3	3.3	1.6	1.6	4.9	11.4	14.7	11.4	8.2
87.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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

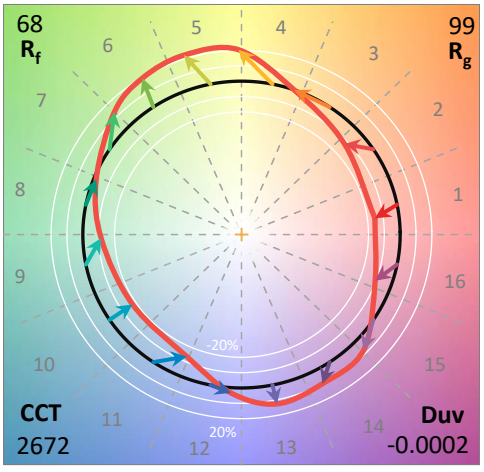
Test Information

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

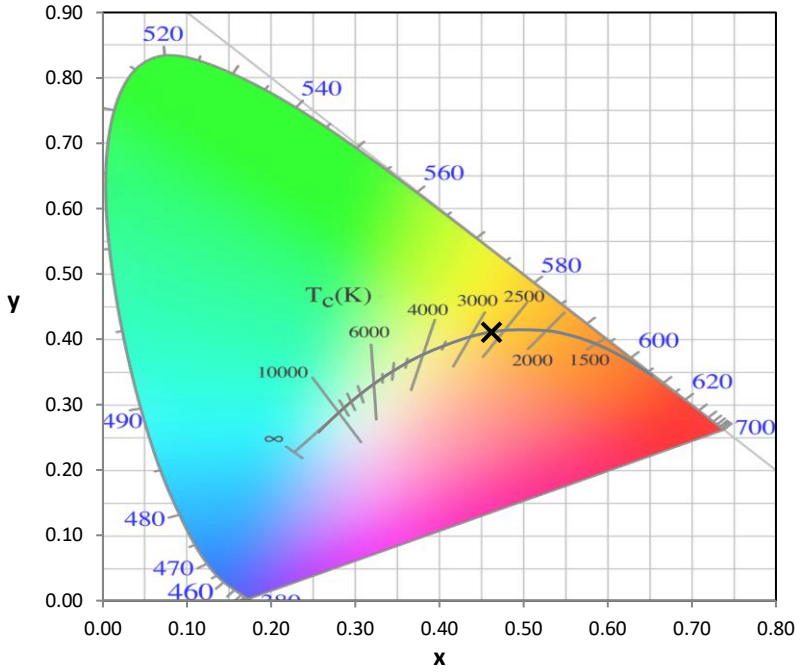
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

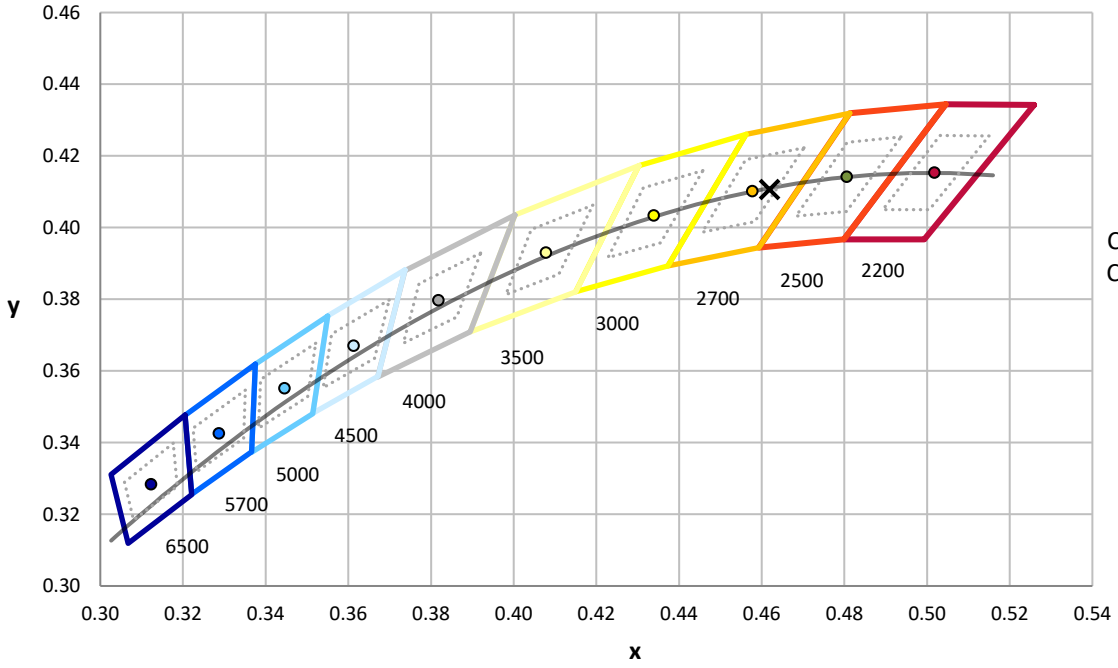
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

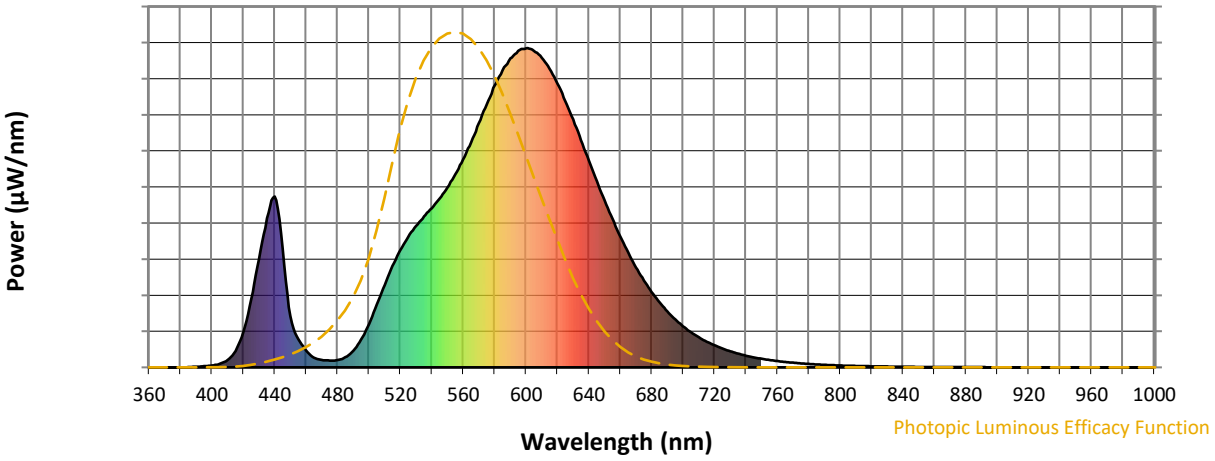


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

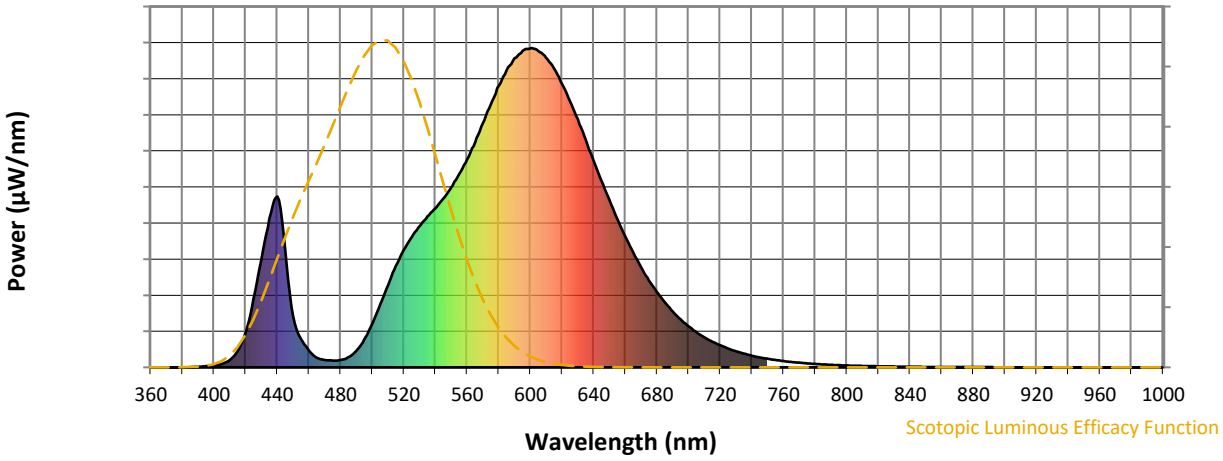


Photopic Lumens: NR

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

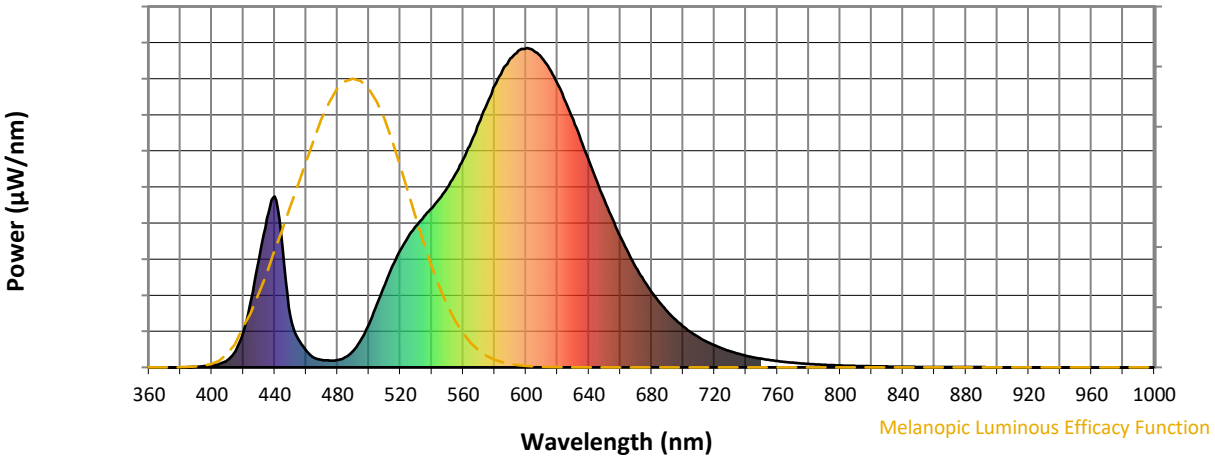


Scotopic Lumens: NR **S/P: 1.02**

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			

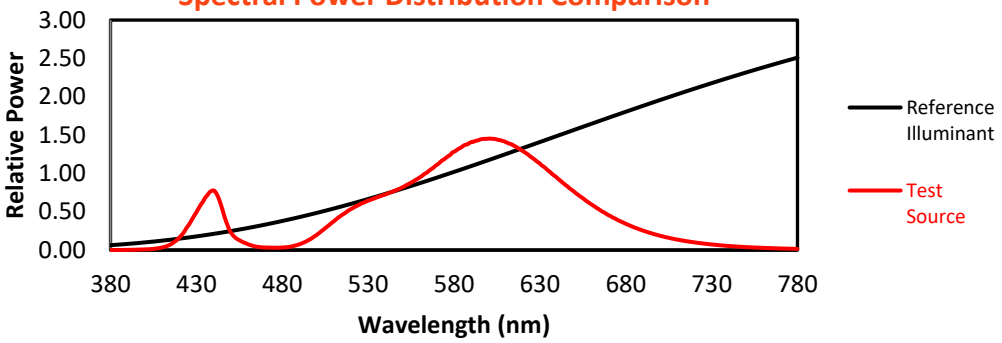
REPORT NUMBER: SP1-2407-184-3

TM-30-18

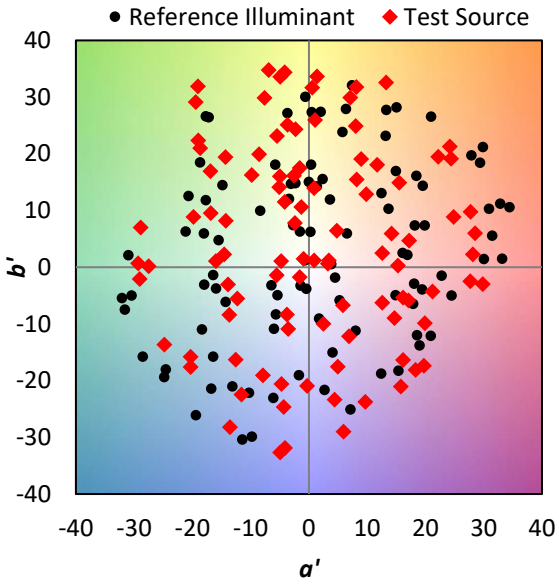
Summary

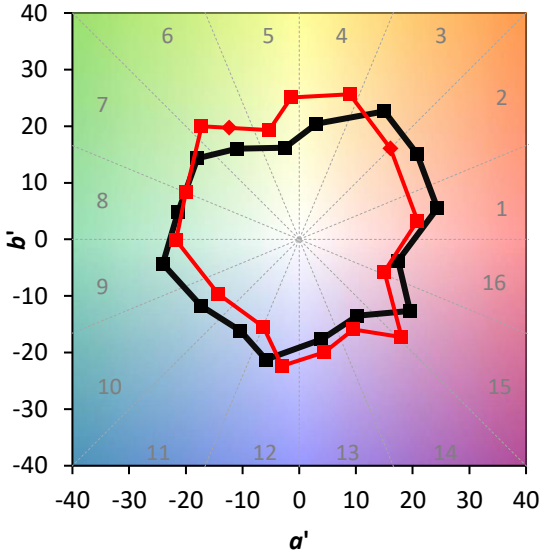
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

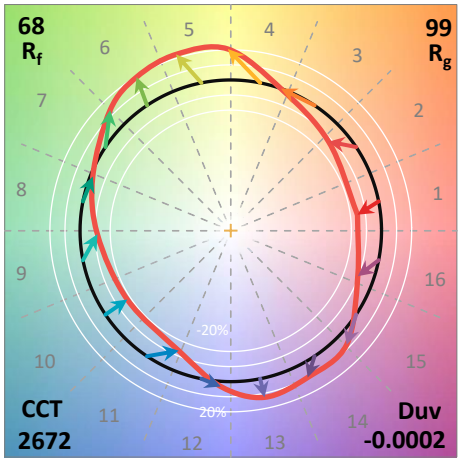
Spectral Power Distribution Comparison

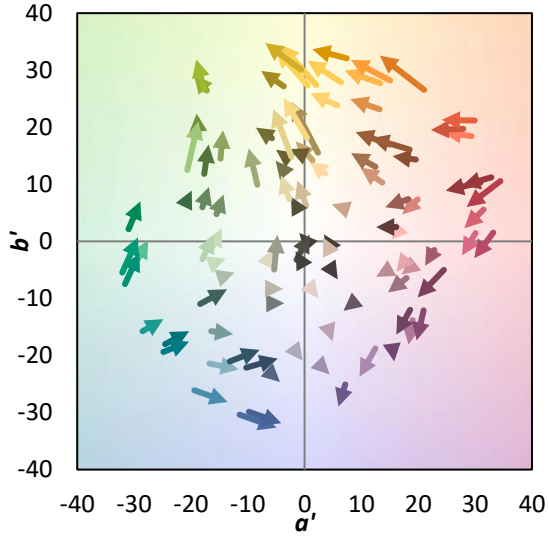


Color Vector Graphics







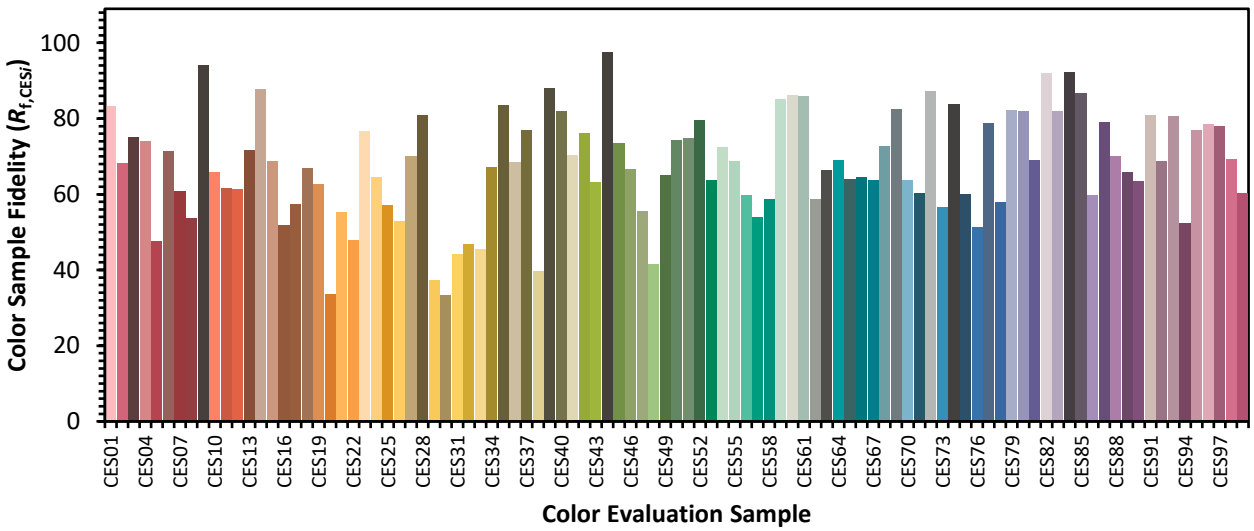


REPORT NUMBER: SP1-2407-184-3

TM-30-18

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

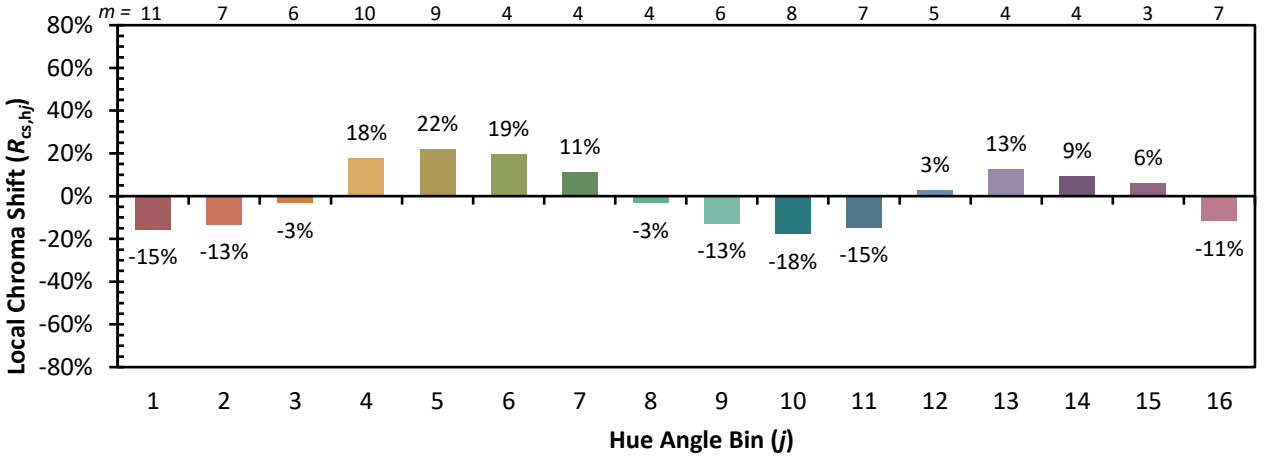
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82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

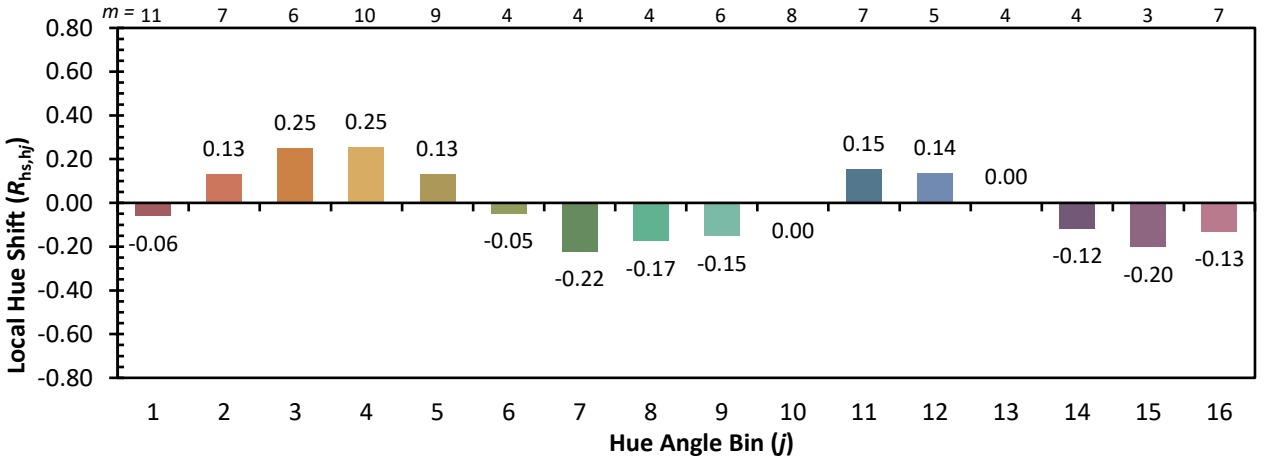


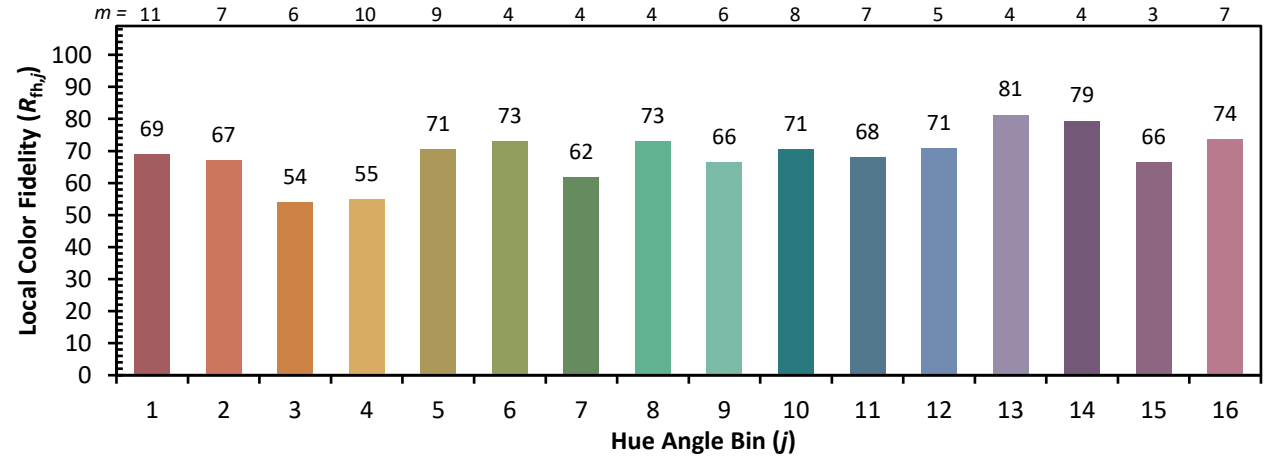
REPORT NUMBER: SP1-2407-184-3

TM-30-18

Color Rendition by Hue-Angle Bin







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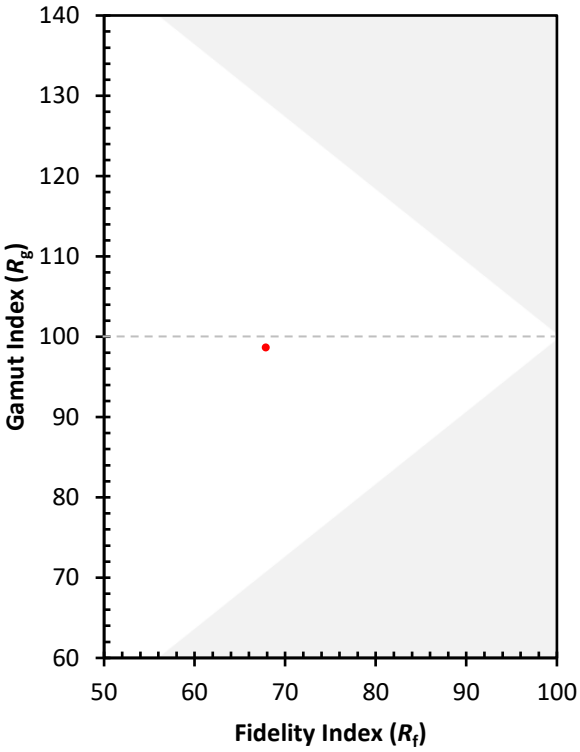
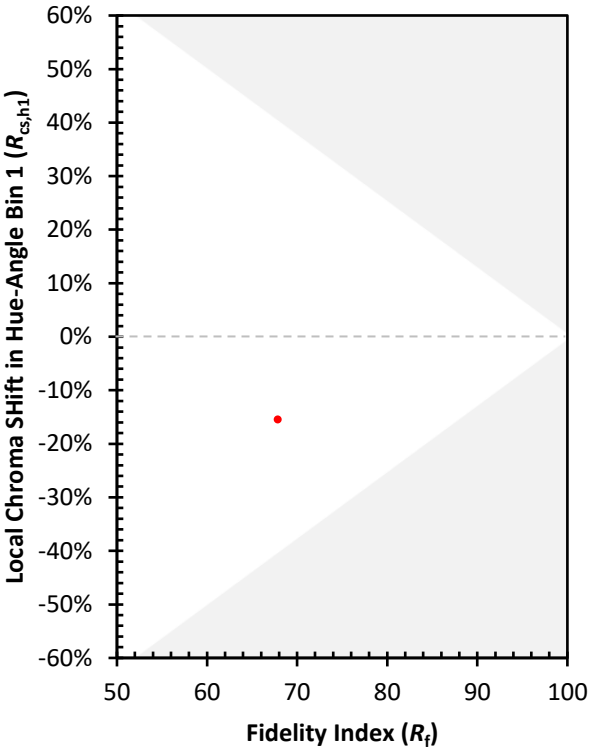
Measure Comparisons





(END OF REPORT)