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: P1066720

Luminaire Tested: **NVN-SA1D-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:	P1066720
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	NVN-SA1D-727-U-LBC
Description:	Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE 70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(14) 2700K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4592.1 lumens
Efficiency:	N/A
Efficacy:	81.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B0 - U0 - G1

Input Watts (W):	56.5
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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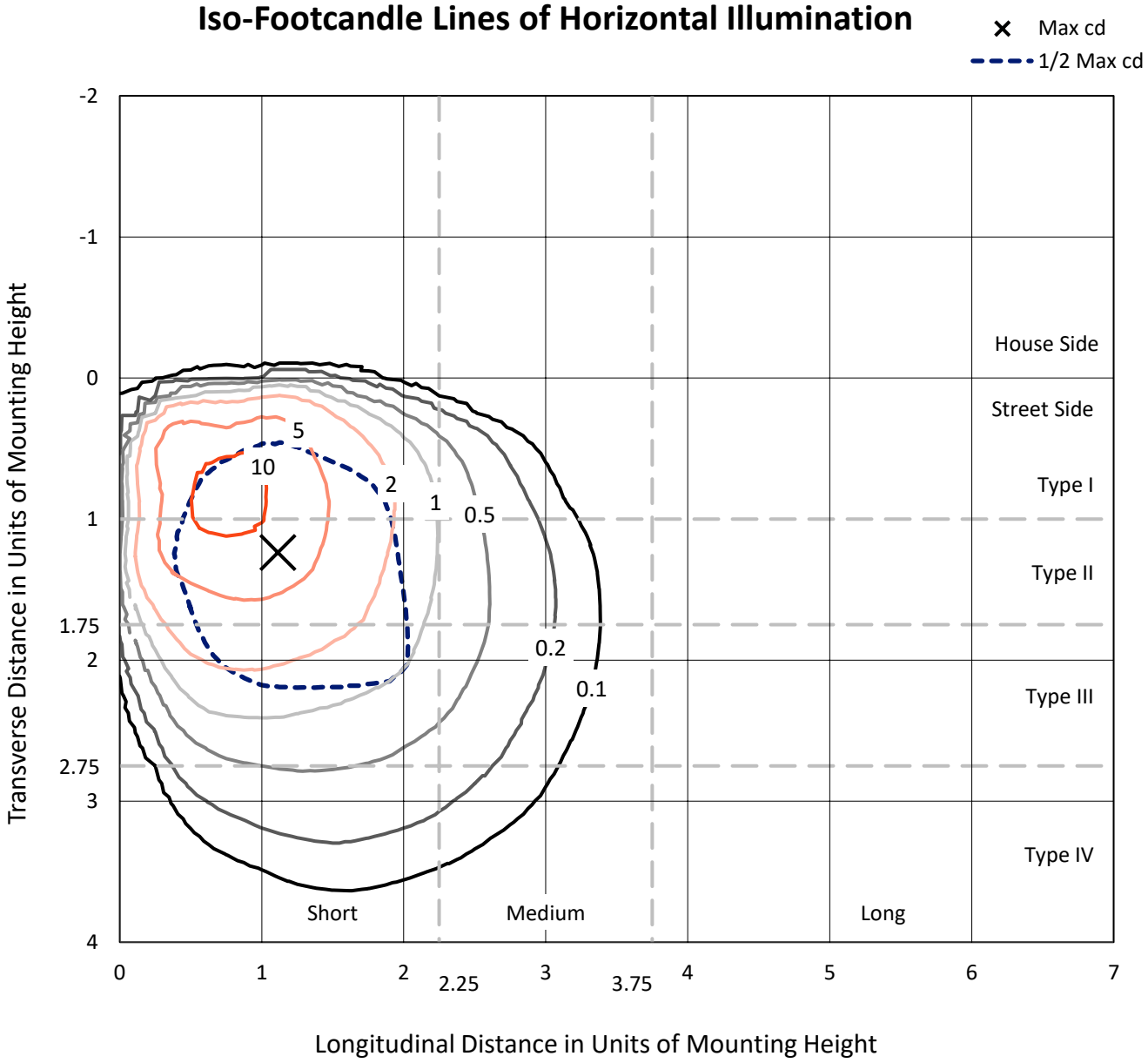
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 13.6 fc
Type III - Short - N/A

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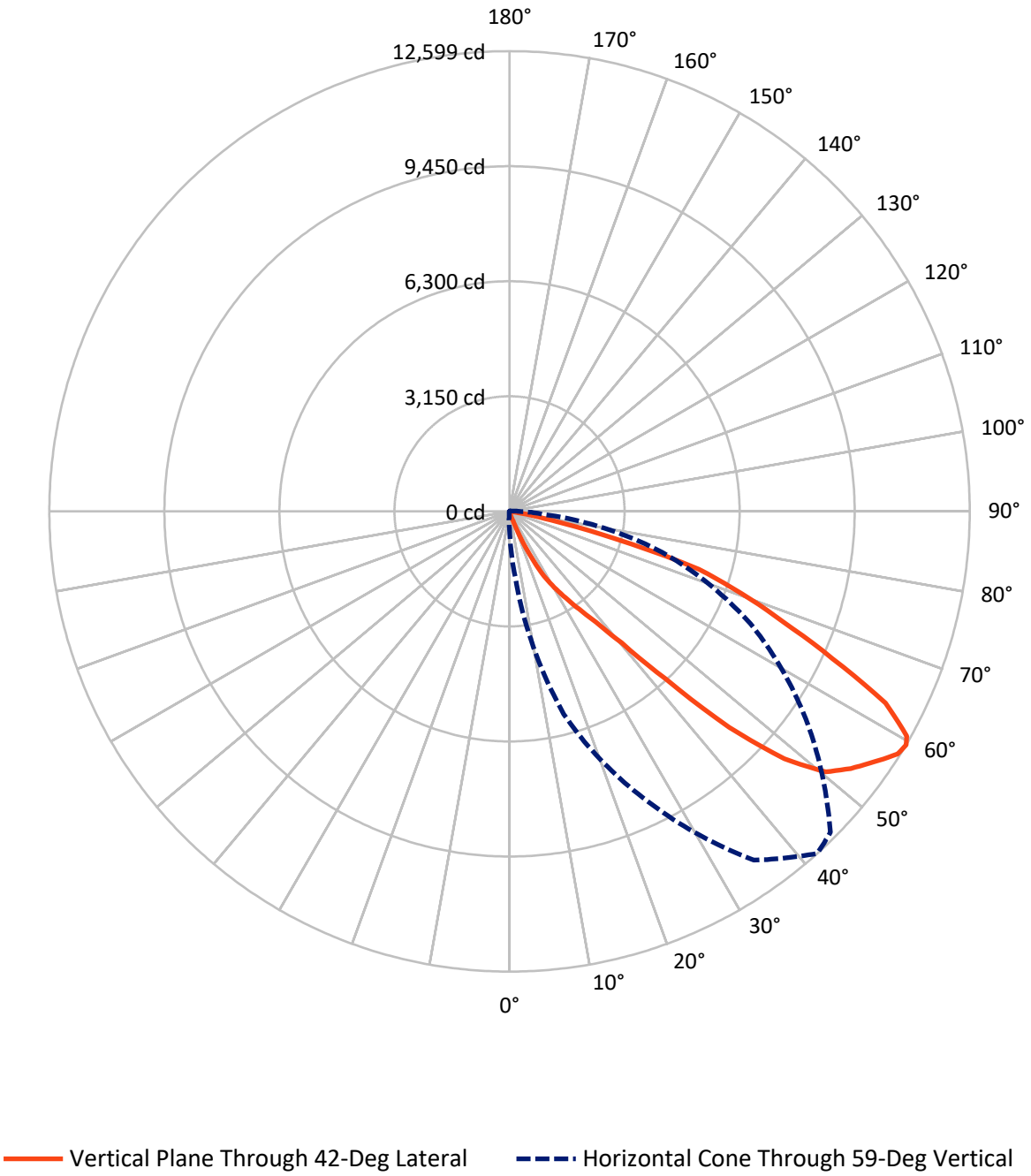
Luminous Intensity Polar Plot



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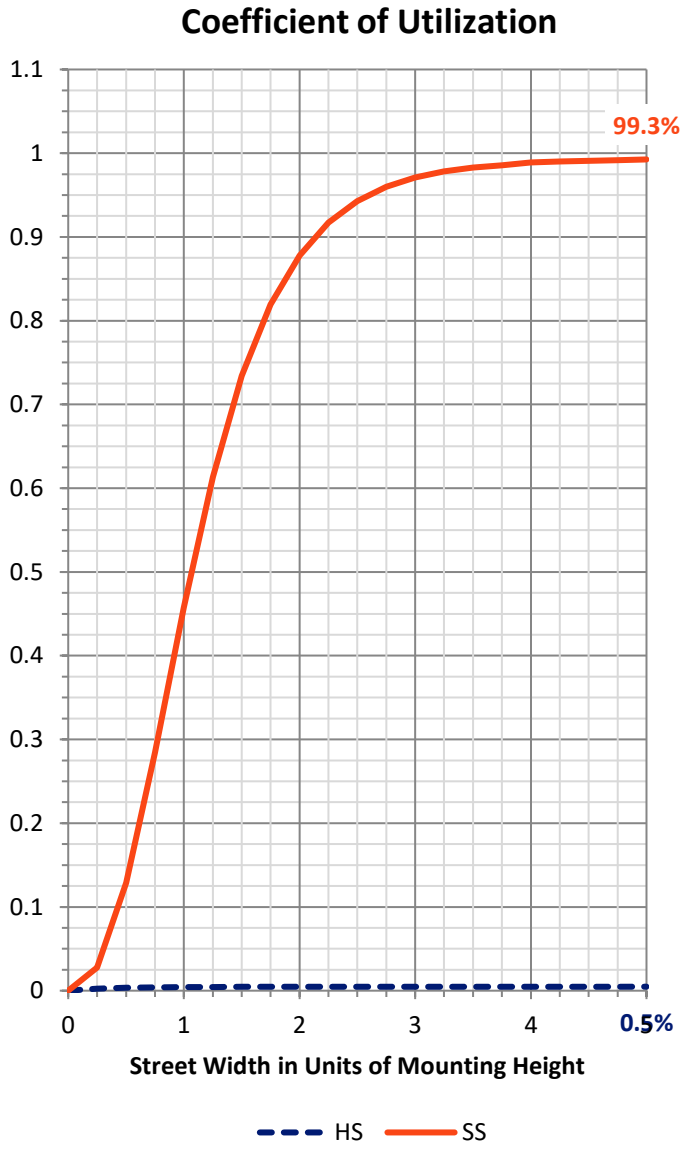
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.1	0.0	22.1
	% Fixture	0.5	0.0	0.5
Street Side	Lumens	4569.9	0.0	4569.9
	% Fixture	99.5	0.0	99.5
Total	Lumens	4592.1	0.0	4592.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	6.7	0.1
20°-30°	85.7	1.9
30°-40°	288.8	6.3
40°-50°	872.2	19.0
50°-60°	1539.7	33.5
60°-70°	1355.8	29.5
70°-80°	431.5	9.4
80°-90°	10.3	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°	4592.1	100.0
0°-180°	4592.1	100.0



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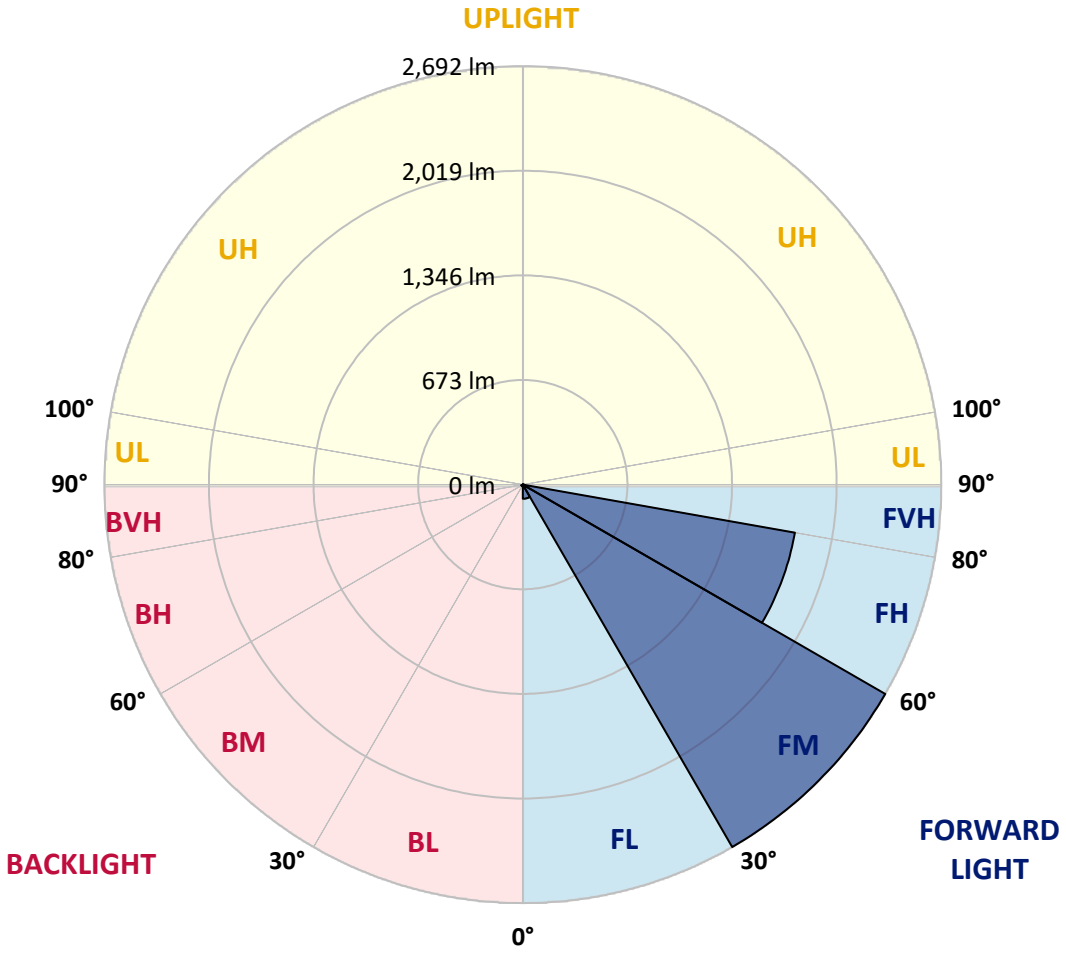
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	91.2	2.0			
FM	(30°-60°)	2691.7	58.6			
FH	(60°-80°)	1777.2	38.7			G1/1800
FVH	(80°-90°)	9.8	0.2			G0/10
BL	(0°-30°)	2.5	0.1	B0/110		
BM	(30°-60°)	9.0	0.2	B0/220		
BH	(60°-80°)	10.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	13.0	13.0	13.0	13.0	13.0	*13.0*	13.0	13.0	13.0	13.0	13.0
2.5°	20.2	20.2	18.7	17.3	15.8	*14.4*	14.4	14.4	13.0	13.0	11.5
5°	23.0	23.0	21.6	20.2	20.2	*18.7*	18.7	17.3	15.8	15.8	14.4
7.5°	24.5	24.5	24.5	24.5	23.0	*23.0*	23.0	21.6	20.2	18.7	17.3
10°	25.9	27.4	28.8	28.8	28.8	*28.8*	28.8	27.4	24.5	23.0	20.2
12.5°	28.8	30.2	33.1	36.0	36.0	*37.4*	36.0	34.6	31.7	27.4	23.0
15°	31.7	34.6	38.9	44.6	50.4	*51.8*	51.8	47.5	41.8	33.1	27.4
17.5°	36.0	40.3	51.8	70.5	90.7	*106.5*	106.5	95.0	66.2	43.2	31.7
20°	38.9	47.5	83.5	169.9	259.2	*325.4*	312.4	276.4	148.3	67.7	34.6
22.5°	43.2	60.5	177.1	446.3	691.1	*812.0*	783.2	594.6	332.6	120.9	41.8
25°	49.0	87.8	351.3	836.5	1284.3	*1415.3*	1396.6	1110.1	606.1	203.0	53.3
27.5°	60.5	129.6	562.9	1268.4	1894.7	*2007.0*	1999.8	1625.5	969.0	326.8	69.1
30°	76.3	188.6	835.1	1723.4	2299.3	*2413.0*	2377.0	2002.7	1307.3	499.6	89.3
32.5°	95.0	263.5	1081.3	2058.9	2672.2	*2821.9*	2778.7	2331.0	1579.4	646.5	132.5
35°	123.8	336.9	1324.6	2355.5	3102.7	*3292.7*	3220.7	2669.3	1814.1	812.0	159.8
37.5°	138.2	380.1	1547.7	2678.0	3586.4	*3845.6*	3790.9	3096.9	2053.1	1023.7	195.8
40°	139.7	431.9	1779.5	3098.4	4270.3	*4732.5*	4634.6	3831.2	2498.0	1295.8	252.0
42.5°	144.0	509.7	2080.5	3815.4	5613.6	*6277.4*	6166.5	5181.7	3507.3	1841.5	357.1
45°	164.1	656.5	2693.8	5155.8	7458.0	*8431.2*	8303.1	7063.5	4916.8	2868.0	609.0
47.5°	234.7	987.7	3769.3	6602.7	9344.1	*10120.1*	10088.4	8546.4	6193.9	3920.5	1032.3
50°	377.2	1516.1	4993.1	7819.3	10544.8	*11211.4*	11132.2	9165.5	6922.4	4638.9	1323.1
52.5°	503.9	2021.4	5761.9	8267.1	10903.3	*11698.1*	11601.6	9391.6	7113.9	4850.6	1403.8
55°	535.6	2204.3	5990.9	8405.3	11140.9	*12109.8*	11970.2	9542.7	7138.3	4699.4	1269.9
57.5°	519.8	2031.5	5842.6	8540.7	11472.0	*12533.1*	12347.4	9837.9	7220.4	4443.1	1056.8
59°	*492.4*	*1818.4*	*5750.4*	*8648.7*	*11654.9*	*12599.4*	*12425.1*	*9902.7*	*7275.1*	*4326.5*	*927.2*
60°	460.7	1674.4	5678.4	8719.2	11643.4	*12495.7*	12315.7	9872.4	7296.7	4225.7	865.3
62.5°	355.6	1336.1	5574.8	8668.8	10916.3	*11549.8*	11447.5	9132.4	6980.0	3903.2	682.4
65°	276.4	1022.2	5194.7	7731.5	9289.3	*9715.5*	9683.8	7733.0	5874.2	3364.7	492.4
67.5°	218.8	745.8	4392.7	6261.5	7473.8	*8079.9*	8056.9	6277.4	4458.9	2571.4	354.2
70°	178.5	531.3	3012.0	4721.0	5977.9	*6741.0*	6707.9	5052.1	3304.3	1631.3	257.7
72.5°	151.2	339.8	1827.1	3559.1	4988.8	*5425.0*	5328.6	4076.0	2403.0	888.3	204.4
75°	128.1	208.8	905.6	2218.7	2971.7	*2968.8*	2872.3	2158.2	1290.0	434.8	162.7
77.5°	103.7	146.9	355.6	609.0	937.3	*1160.4*	1141.7	764.5	385.9	126.7	100.8
80°	67.7	69.1	95.0	167.0	257.7	*285.1*	323.9	233.2	112.3	60.5	41.8
82.5°	30.2	33.1	43.2	54.7	54.7	*50.4*	44.6	33.1	24.5	20.2	10.1
85°	7.2	10.1	7.2	8.6	7.2	*5.8*	5.8	2.9	0.0	0.0	0.0
87.5°	1.4	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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	11.5	11.5	11.5	10.1	10.1	10.1	8.6	8.6	8.6	7.2	7.2
5°	14.4	13.0	11.5	11.5	10.1	10.1	8.6	7.2	7.2	7.2	5.8
7.5°	15.8	14.4	13.0	11.5	10.1	8.6	8.6	7.2	5.8	5.8	5.8
10°	18.7	17.3	14.4	11.5	10.1	8.6	7.2	7.2	5.8	4.3	4.3
12.5°	21.6	18.7	15.8	13.0	10.1	8.6	7.2	7.2	5.8	4.3	2.9
15°	24.5	21.6	17.3	13.0	10.1	8.6	7.2	7.2	4.3	2.9	1.4
17.5°	27.4	23.0	17.3	14.4	10.1	8.6	7.2	5.8	2.9	1.4	0.0
20°	28.8	24.5	18.7	14.4	10.1	8.6	7.2	4.3	1.4	0.0	0.0
22.5°	31.7	27.4	20.2	14.4	10.1	7.2	4.3	1.4	0.0	0.0	0.0
25°	37.4	28.8	20.2	14.4	10.1	7.2	2.9	0.0	0.0	0.0	0.0
27.5°	41.8	31.7	20.2	14.4	10.1	5.8	1.4	0.0	0.0	0.0	0.0
30°	49.0	34.6	21.6	14.4	10.1	4.3	1.4	0.0	0.0	0.0	0.0
32.5°	60.5	37.4	21.6	14.4	8.6	4.3	0.0	0.0	0.0	0.0	0.0
35°	73.4	43.2	21.6	14.4	8.6	4.3	0.0	0.0	0.0	0.0	0.0
37.5°	74.9	46.1	21.6	14.4	8.6	2.9	0.0	0.0	0.0	0.0	0.0
40°	77.7	43.2	23.0	14.4	8.6	2.9	0.0	0.0	0.0	0.0	0.0
42.5°	89.3	40.3	24.5	14.4	8.6	2.9	0.0	0.0	0.0	0.0	0.0
45°	132.5	41.8	24.5	15.8	8.6	4.3	0.0	0.0	0.0	0.0	0.0
47.5°	230.4	43.2	23.0	15.8	8.6	4.3	0.0	0.0	0.0	0.0	0.0
50°	295.2	50.4	23.0	17.3	10.1	2.9	0.0	0.0	0.0	0.0	0.0
52.5°	313.9	59.0	23.0	18.7	13.0	1.4	0.0	0.0	0.0	0.0	0.0
55°	305.2	69.1	24.5	20.2	15.8	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	282.2	74.9	25.9	21.6	17.3	0.0	0.0	0.0	0.0	0.0	0.0
59°	*257.7*	*79.2*	*30.2*	*23.0*	*17.3*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	237.6	83.5	31.7	24.5	17.3	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	191.5	89.3	34.6	28.8	14.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	167.0	93.6	36.0	31.7	13.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	152.6	96.5	38.9	33.1	11.5	0.0	0.0	0.0	0.0	0.0	0.0
70°	141.1	95.0	41.8	31.7	10.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	128.1	90.7	50.4	28.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	115.2	82.1	54.7	25.9	5.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	83.5	69.1	50.4	23.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	36.0	37.4	36.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.2	8.6	7.2	4.3	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°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	7.2	7.2	7.2	7.2	8.6	8.6	11.5	14.4	17.3	18.7	18.7
5°	5.8	5.8	5.8	5.8	5.8	7.2	8.6	11.5	15.8	17.3	17.3
7.5°	4.3	4.3	4.3	4.3	4.3	4.3	7.2	10.1	14.4	15.8	17.3
10°	4.3	2.9	2.9	1.4	1.4	2.9	4.3	8.6	13.0	14.4	15.8
12.5°	2.9	1.4	1.4	0.0	0.0	1.4	2.9	7.2	11.5	13.0	14.4
15°	1.4	0.0	0.0	0.0	0.0	0.0	1.4	5.8	10.1	11.5	14.4
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	8.6	11.5	13.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.2	10.1	11.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	5.8	8.6	10.1
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	5.8	7.2
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.3	5.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	4.3	5.8
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.3
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	2.9
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
59°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1.4*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
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: P1066720
CATALOG NUMBER: NVN-SA1D-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	318°	325°	335°	345°	355°	360°
0°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
2.5°	20.2	20.2	18.7	17.3	17.3	17.3	18.7	20.2	20.2	20.2
5°	18.7	18.7	17.3	17.3	17.3	17.3	18.7	21.6	23.0	23.0
7.5°	18.7	18.7	17.3	17.3	17.3	17.3	18.7	21.6	23.0	24.5
10°	17.3	17.3	17.3	17.3	15.8	17.3	18.7	21.6	25.9	25.9
12.5°	17.3	17.3	17.3	17.3	15.8	17.3	20.2	23.0	27.4	28.8
15°	17.3	17.3	17.3	15.8	15.8	17.3	20.2	24.5	28.8	31.7
17.5°	15.8	17.3	17.3	15.8	15.8	17.3	20.2	24.5	31.7	36.0
20°	14.4	15.8	17.3	15.8	15.8	15.8	20.2	24.5	33.1	38.9
22.5°	13.0	14.4	15.8	15.8	14.4	15.8	20.2	25.9	36.0	43.2
25°	11.5	13.0	13.0	14.4	14.4	15.8	20.2	25.9	37.4	49.0
27.5°	8.6	10.1	11.5	13.0	13.0	15.8	20.2	27.4	40.3	60.5
30°	7.2	8.6	10.1	11.5	13.0	15.8	20.2	27.4	43.2	76.3
32.5°	7.2	8.6	10.1	11.5	13.0	14.4	20.2	28.8	47.5	95.0
35°	5.8	7.2	8.6	11.5	11.5	14.4	20.2	28.8	51.8	123.8
37.5°	5.8	7.2	8.6	11.5	11.5	14.4	20.2	28.8	63.3	138.2
40°	4.3	5.8	7.2	11.5	11.5	14.4	21.6	30.2	64.8	139.7
42.5°	4.3	5.8	7.2	10.1	11.5	14.4	21.6	30.2	60.5	144.0
45°	4.3	5.8	7.2	11.5	13.0	15.8	21.6	31.7	59.0	164.1
47.5°	4.3	5.8	7.2	11.5	14.4	15.8	21.6	31.7	60.5	234.7
50°	4.3	5.8	7.2	11.5	15.8	15.8	21.6	31.7	66.2	377.2
52.5°	2.9	4.3	5.8	10.1	13.0	17.3	23.0	30.2	70.5	503.9
55°	2.9	2.9	4.3	8.6	11.5	18.7	24.5	30.2	82.1	535.6
57.5°	2.9	2.9	4.3	7.2	10.1	20.2	25.9	30.2	95.0	519.8
59°	*2.9*	*2.9*	*2.9*	*7.2*	*8.6*	*20.2*	*25.9*	*31.7*	*96.5*	*492.4*
60°	2.9	2.9	2.9	5.8	8.6	20.2	27.4	33.1	97.9	460.7
62.5°	1.4	1.4	1.4	5.8	7.2	20.2	30.2	40.3	100.8	355.6
65°	2.9	2.9	1.4	4.3	7.2	17.3	34.6	43.2	102.2	276.4
67.5°	2.9	2.9	2.9	5.8	7.2	17.3	36.0	44.6	102.2	218.8
70°	2.9	2.9	2.9	5.8	8.6	17.3	36.0	46.1	100.8	178.5
72.5°	2.9	2.9	2.9	5.8	8.6	15.8	33.1	47.5	96.5	151.2
75°	2.9	2.9	2.9	4.3	7.2	14.4	31.7	51.8	87.8	128.1
77.5°	2.9	2.9	2.9	2.9	5.8	11.5	28.8	57.6	77.7	103.7
80°	4.3	2.9	2.9	2.9	4.3	10.1	27.4	56.2	64.8	67.7
82.5°	4.3	2.9	2.9	1.4	2.9	7.2	21.6	43.2	33.1	30.2
85°	2.9	2.9	2.9	1.4	1.4	4.3	10.1	13.0	10.1	7.2
87.5°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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

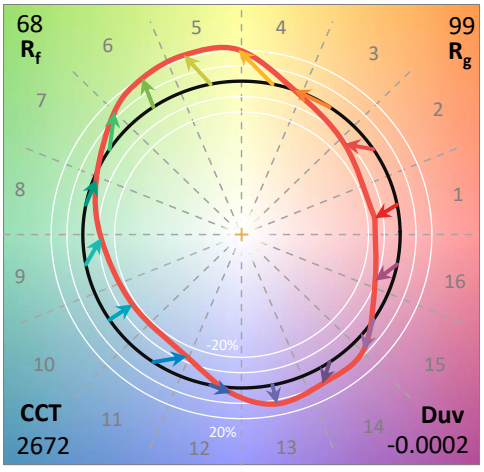
Test Information

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

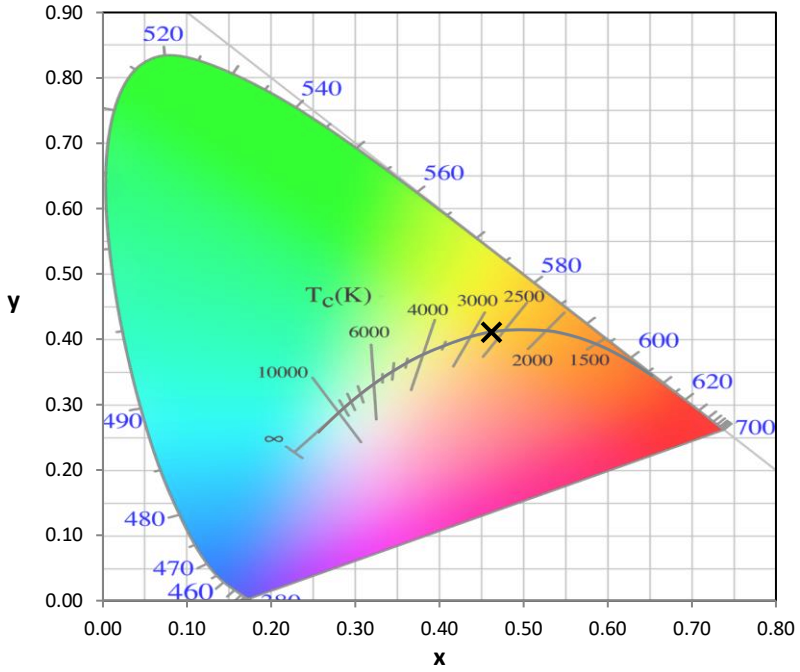
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-3

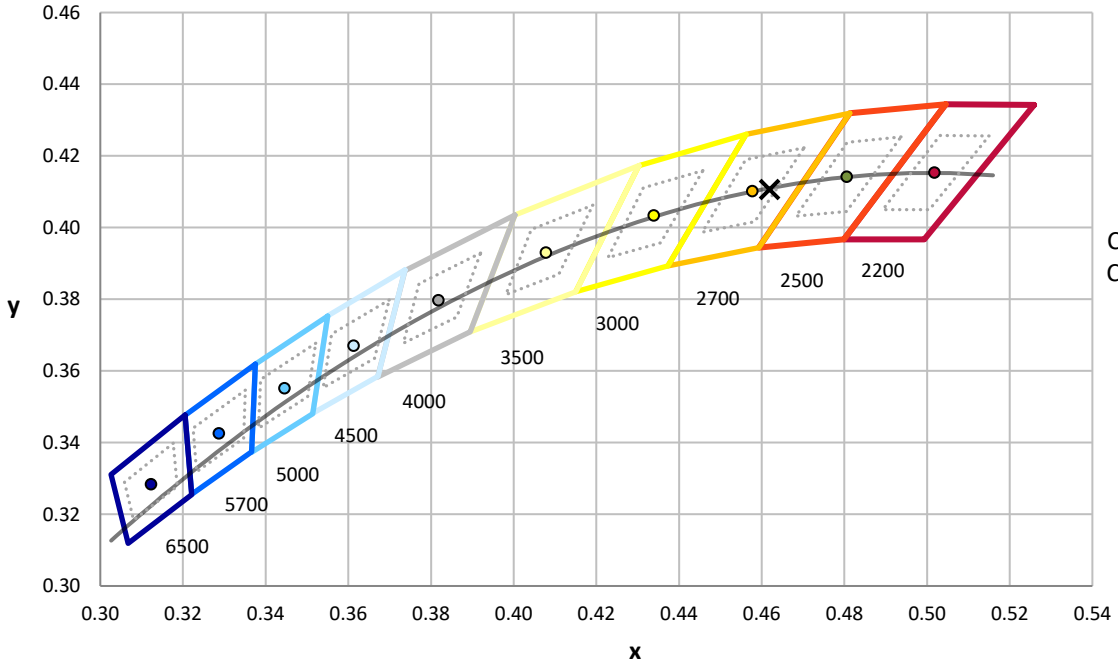
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

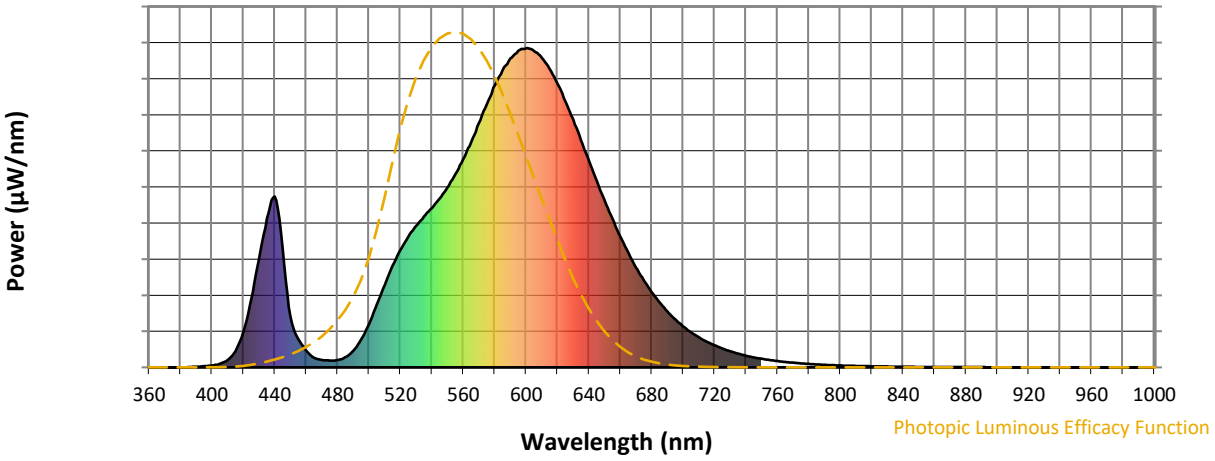


CCT = 2672K
CIE x = 0.4619
CIE y = 0.4106
Duv = -0.0002

Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

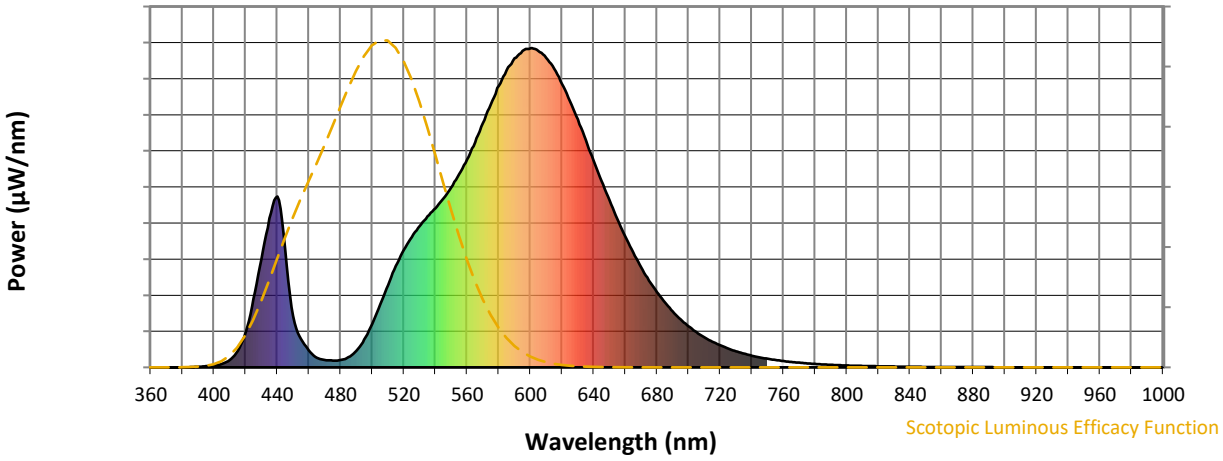


Photopic Lumens: NR

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

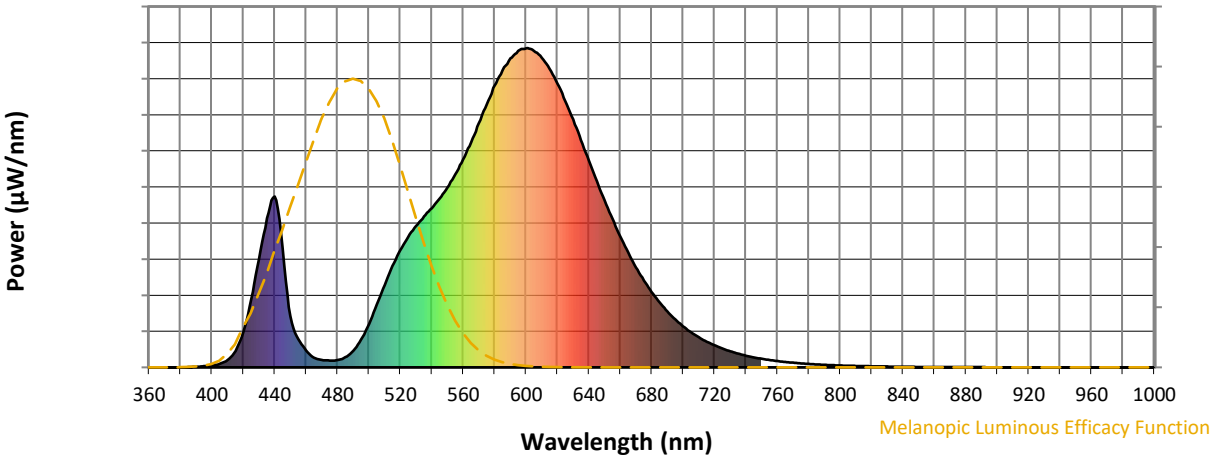


Scotopic Lumens: NR **S/P: 1.02**

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			

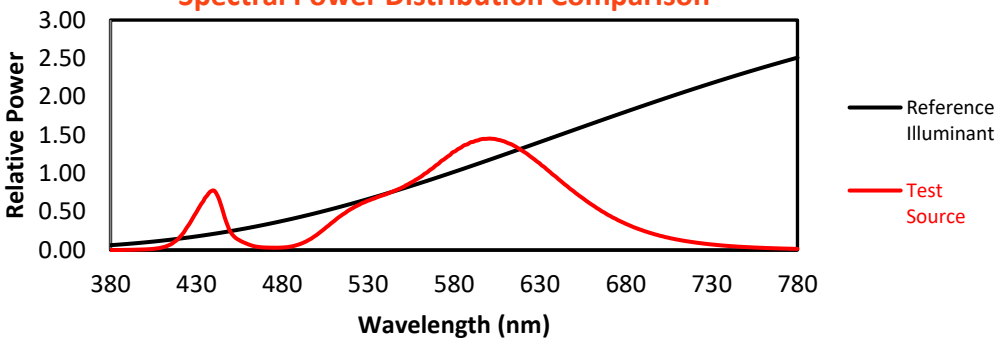
REPORT NUMBER: SP1-2407-184-3

TM-30-18

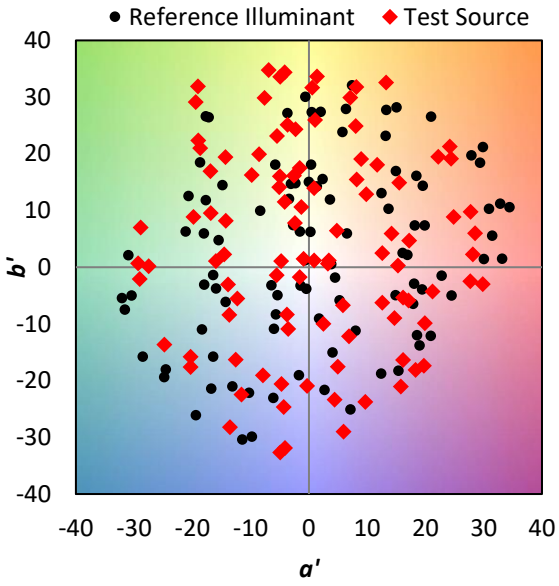
Summary

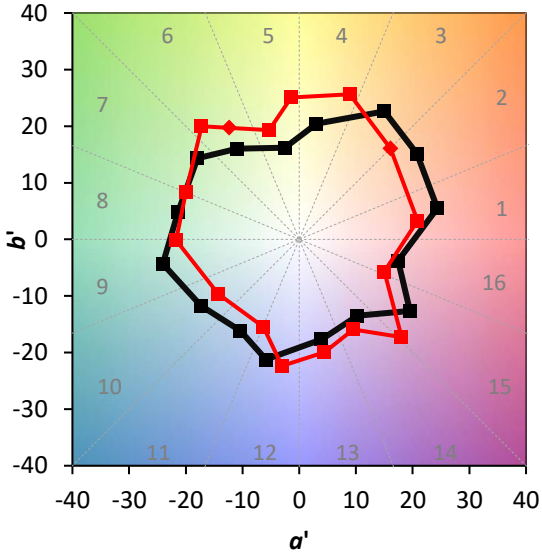
R_f = 67.9
R_g = 98.6
CIE R_a = 71.1
R_9 = -27.8

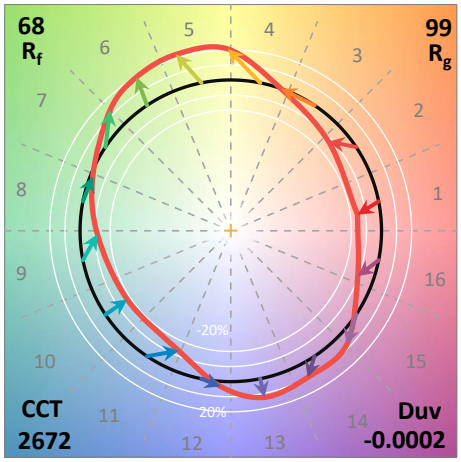
Spectral Power Distribution Comparison

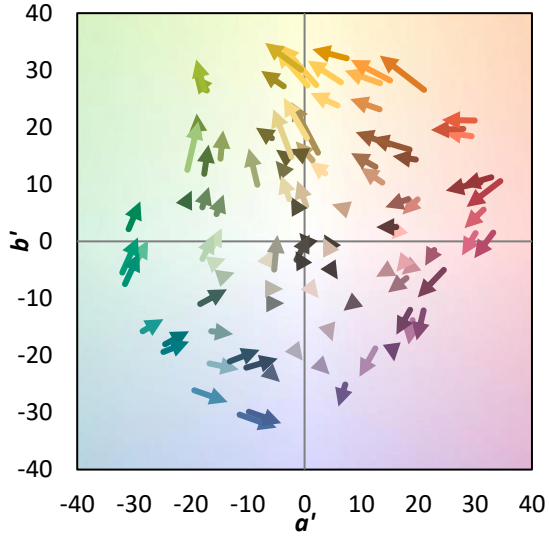


Color Vector Graphics







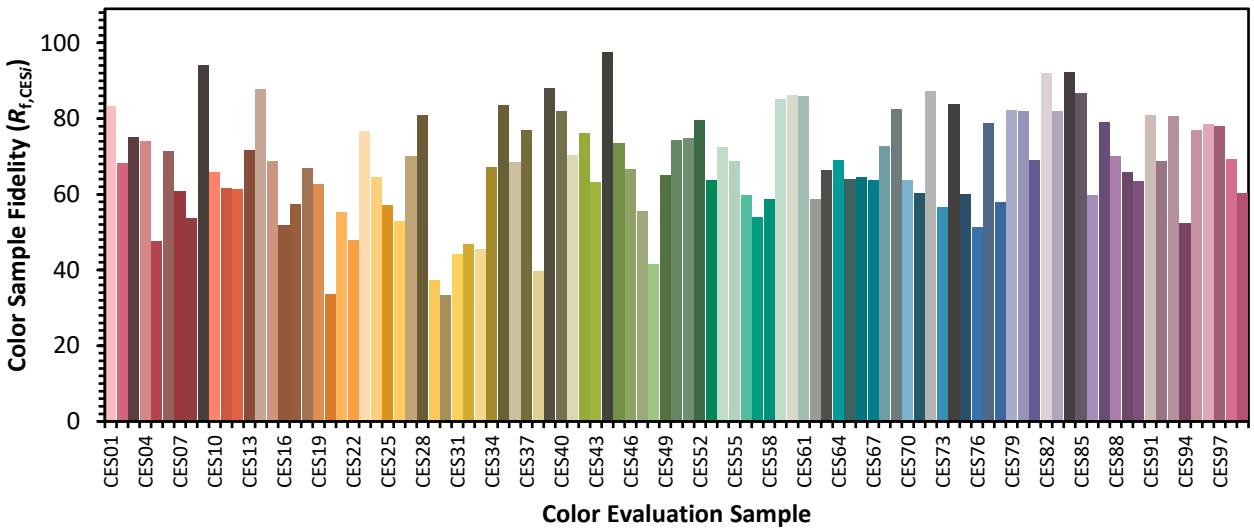


REPORT NUMBER: SP1-2407-184-3

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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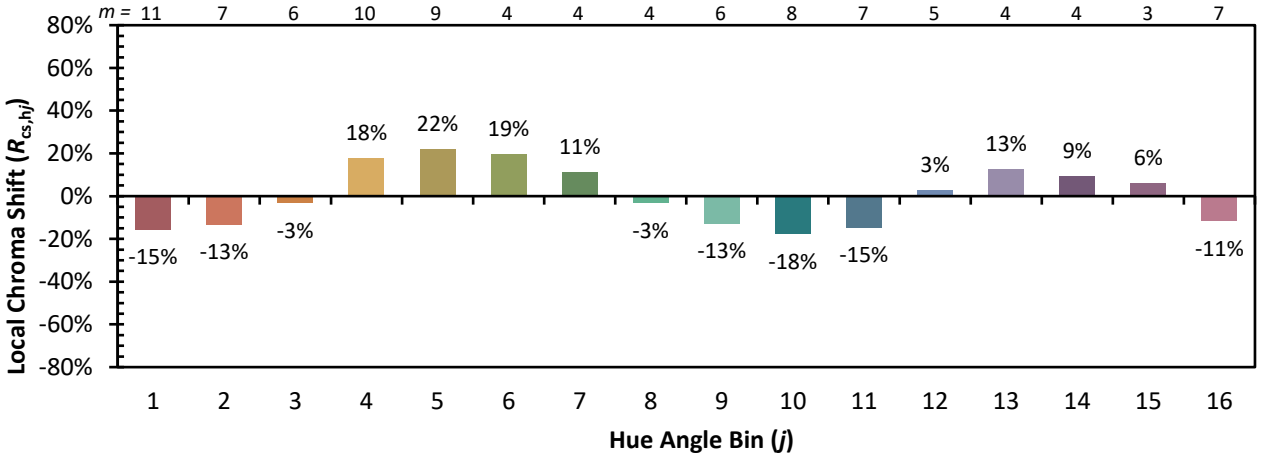
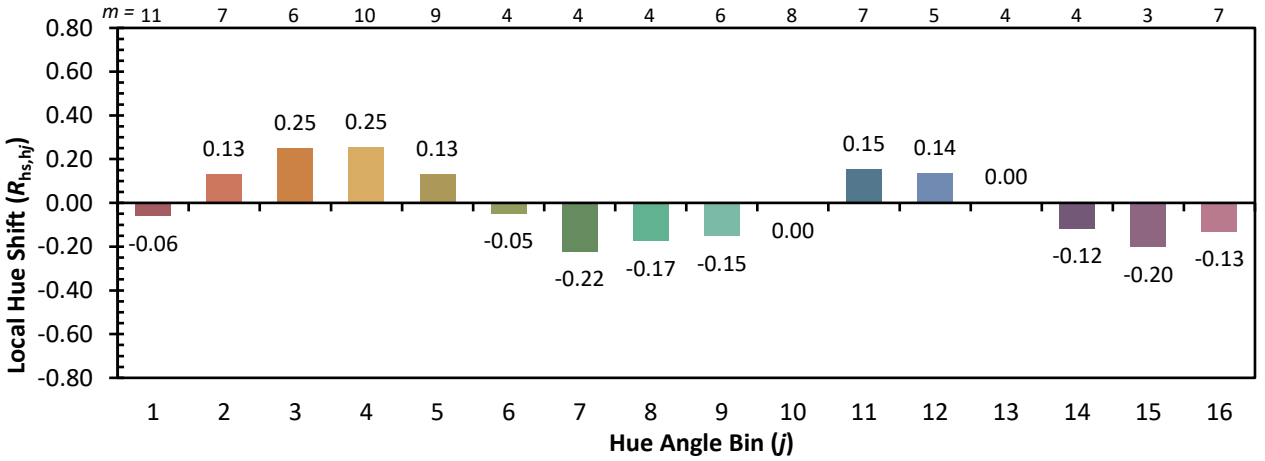
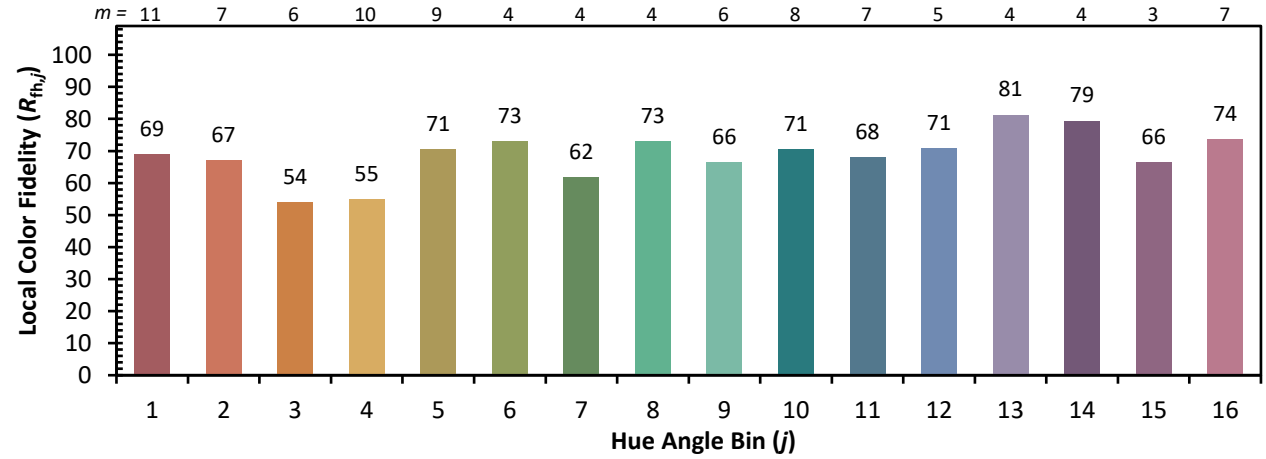
Color Rendition by Hue-Angle Bin







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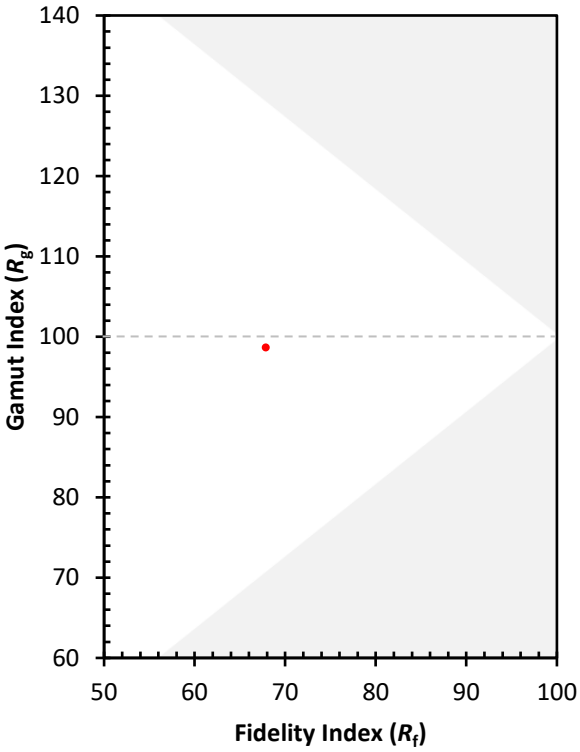
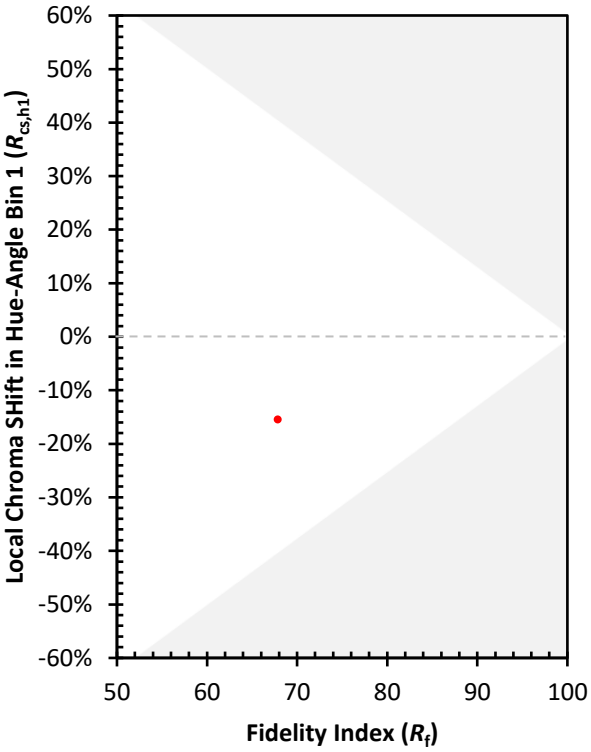
Measure Comparisons





(END OF REPORT)