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: P1065134

Luminaire Tested: **GLAN-SA1B-722-U-LBC**

Issue Date: 08/07/2025

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1065134
Test Lab:	INNOVATION CENTER(G3)
Issue Date:	08/07/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA1B-722-U-LBC
Description:	GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE 70CRI 2200K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source:	(14) 2200K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3042.4 lumens
Efficiency:	N/A
Efficacy:	78.6 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):	38.7
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.97
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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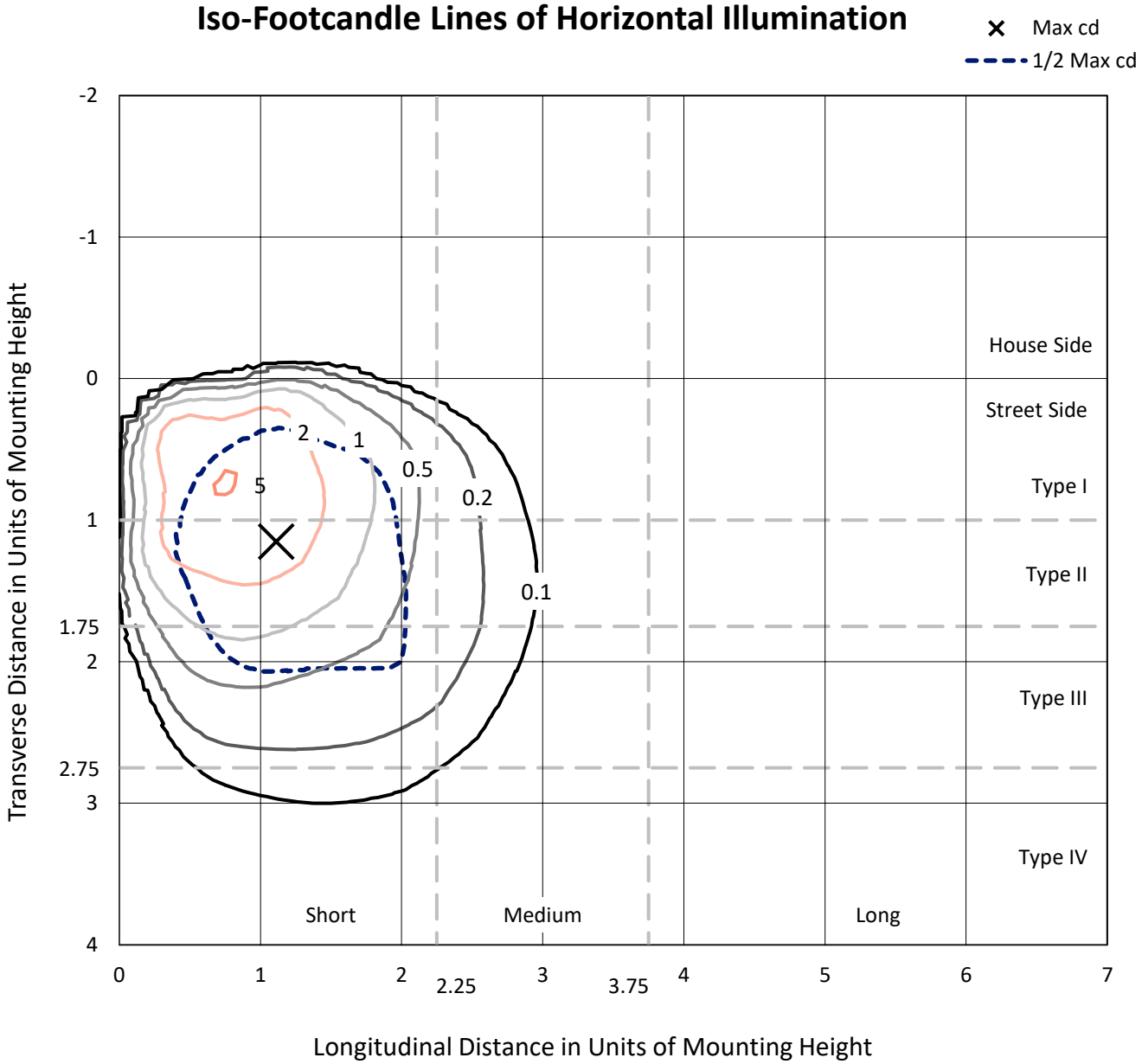
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 5.3 fc
Type III - Short - N/A

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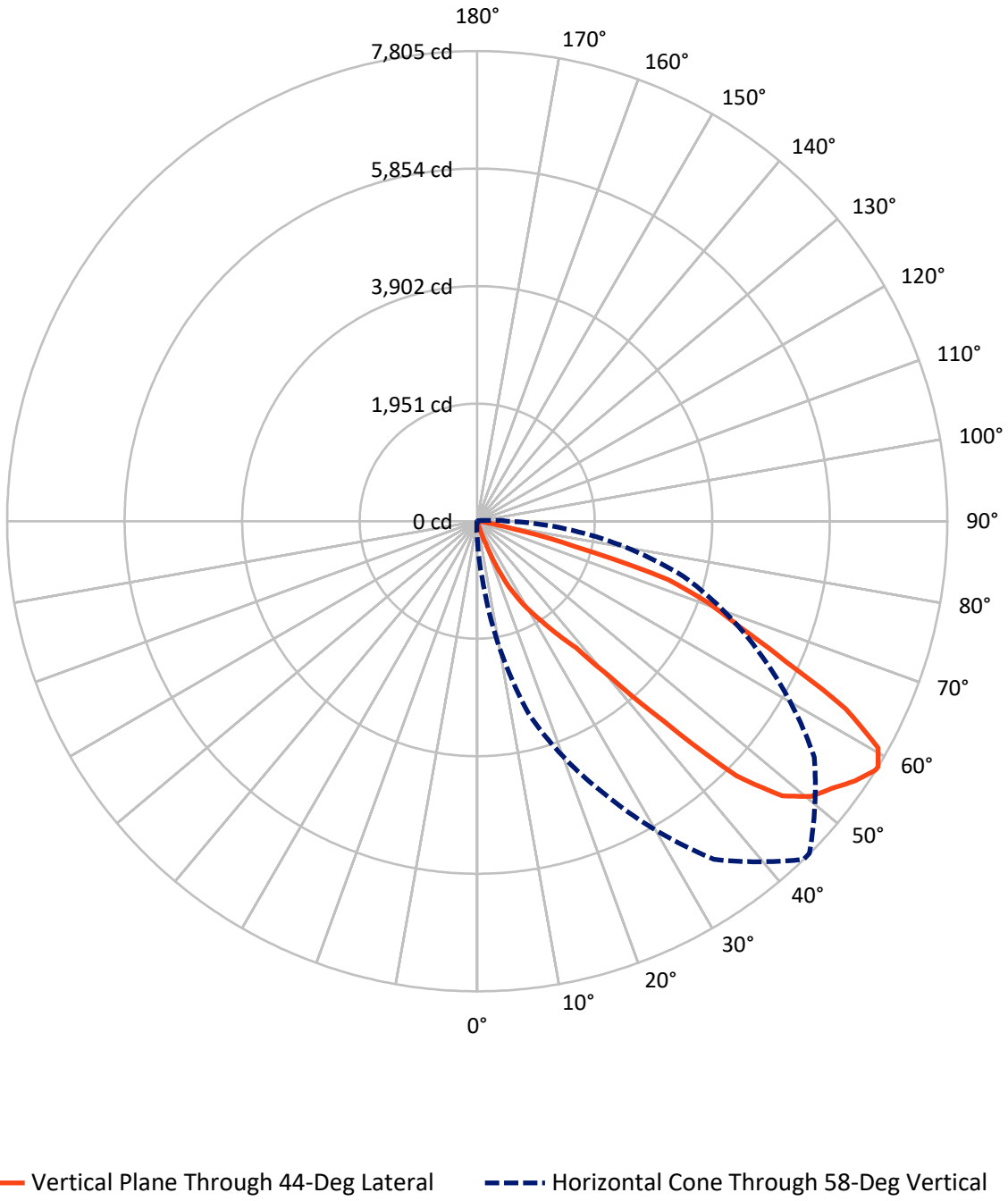
Luminous Intensity Polar Plot



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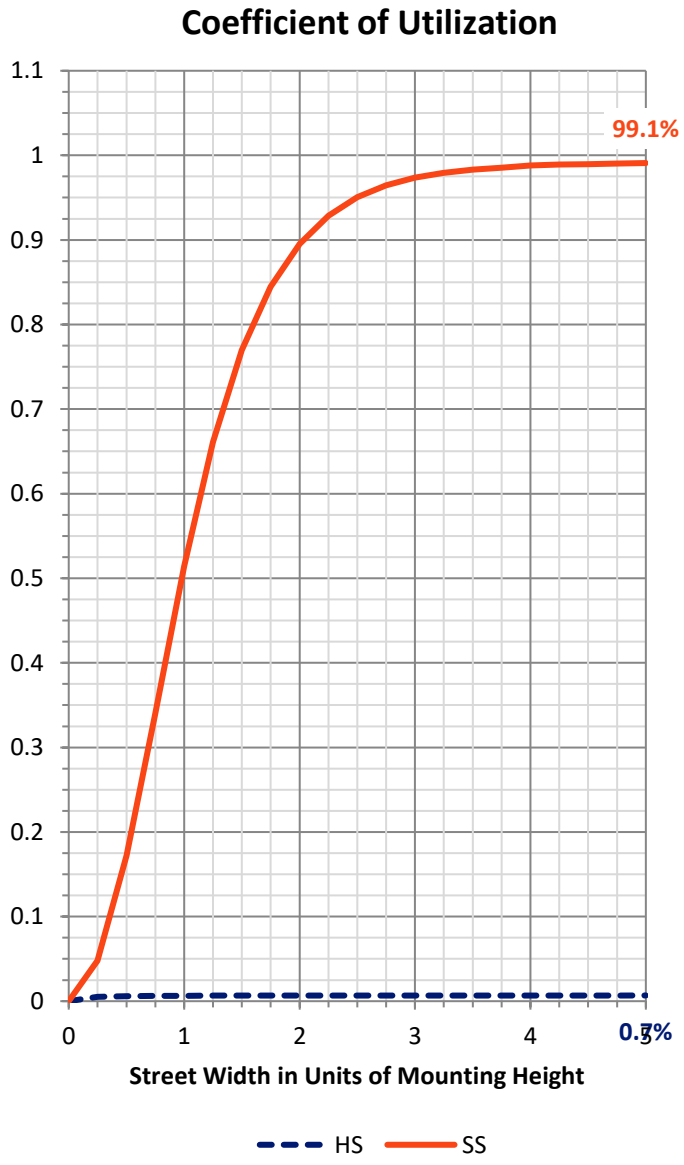
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20.8	0.0	20.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	3021.6	0.0	3021.6
	% Fixture	99.3	0.0	99.3
Total	Lumens	3042.4	0.0	3042.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	6.7	0.2
20°-30°	72.1	2.4
30°-40°	213.1	7.0
40°-50°	635.3	20.9
50°-60°	1008.1	33.1
60°-70°	840.8	27.6
70°-80°	259.3	8.5
80°-90°	5.8	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°	3042.4	100.0
0°-180°	3042.4	100.0



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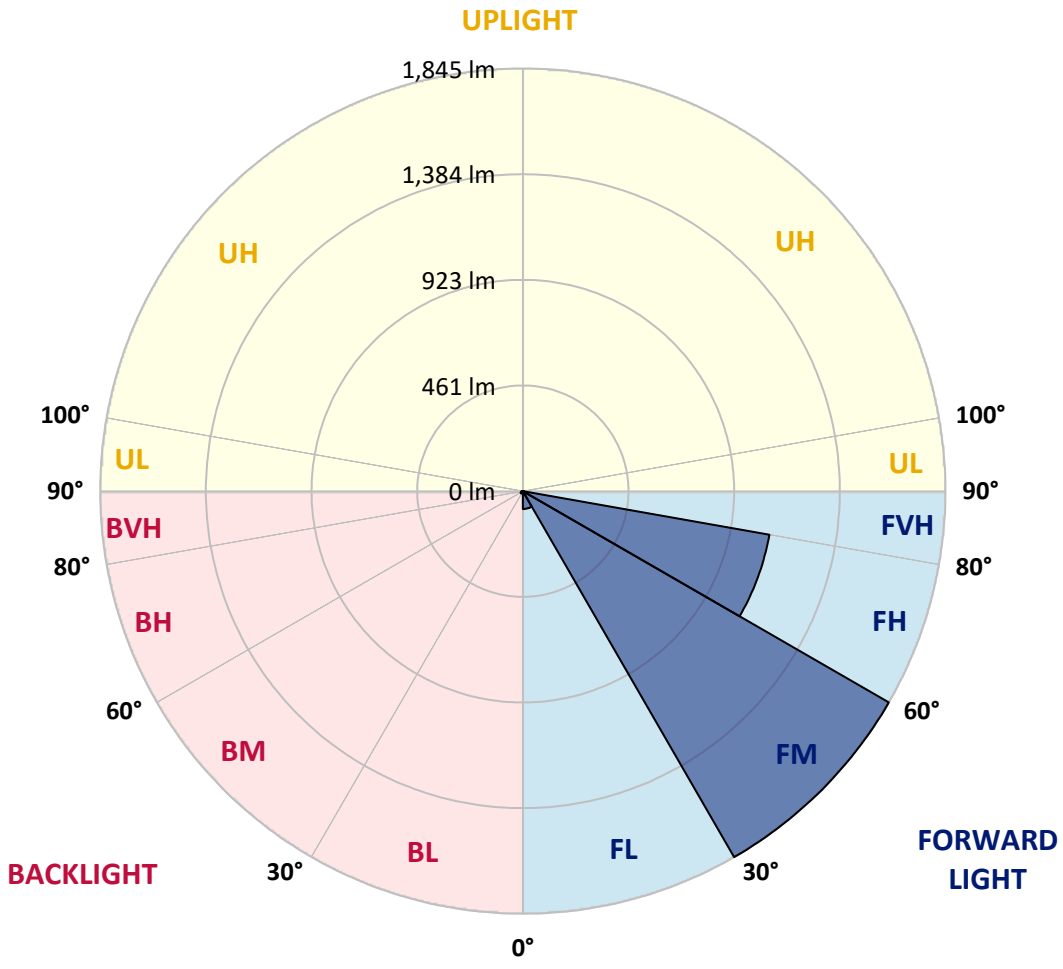
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	77.9	2.6			
FM	(30°-60°)	1845.1	60.6			
FH	(60°-80°)	1093.1	35.9			G1/1800
FVH	(80°-90°)	5.5	0.2			G0/10
BL	(0°-30°)	2.0	0.1	B0/110		
BM	(30°-60°)	11.4	0.4	B0/220		
BH	(60°-80°)	7.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.3	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°	44°	45°	55°	65°	75°	85°
0°	13.3	13.3	13.3	13.3	13.3	*13.3*	13.3	13.3	13.3	13.3	13.3
2.5°	17.2	17.2	16.5	15.6	14.7	*13.8*	13.6	13.1	12.9	12.6	12.4
5°	17.9	17.9	17.7	17.0	16.1	*15.4*	15.4	14.7	14.2	13.8	13.3
7.5°	18.4	18.6	19.1	18.8	18.4	*17.7*	17.7	17.2	16.5	15.4	14.7
10°	19.1	19.8	20.7	21.1	21.4	*21.4*	21.1	20.9	19.8	18.2	16.3
12.5°	19.8	21.1	23.4	25.7	27.1	*29.0*	28.7	28.3	25.3	21.8	18.6
15°	21.1	23.2	28.0	34.7	45.0	*51.5*	54.0	51.7	41.8	29.4	21.6
17.5°	22.8	26.2	40.7	72.6	119.0	*141.1*	154.4	143.6	95.1	55.8	27.1
20°	24.4	31.9	75.6	188.2	308.9	*381.1*	401.0	369.8	237.4	106.4	40.2
22.5°	27.1	44.8	153.3	389.1	665.6	*773.8*	794.3	694.3	448.4	210.1	60.4
25°	32.9	65.0	264.3	634.1	993.3	*1176.0*	1167.5	1036.5	727.4	335.5	91.9
27.5°	41.1	94.7	399.7	900.9	1307.2	*1468.4*	1487.7	1325.6	969.6	493.4	130.5
30°	53.1	131.2	544.9	1114.7	1558.9	*1733.1*	1736.3	1568.8	1186.4	632.0	177.9
32.5°	64.6	165.7	672.0	1321.3	1806.9	*1997.9*	2012.1	1806.0	1348.2	776.4	219.0
35°	73.3	188.2	800.7	1502.8	2056.9	*2320.1*	2319.2	2074.4	1539.8	905.3	276.0
37.5°	74.0	210.8	917.2	1688.5	2373.6	*2668.3*	2697.5	2427.6	1771.5	1064.8	345.9
40°	72.4	236.0	1064.8	1978.1	2944.3	*3396.4*	3422.1	3082.0	2236.2	1337.8	455.1
42.5°	74.2	279.9	1304.3	2512.9	3891.9	*4541.1*	4590.8	4233.2	3090.5	1894.9	649.7
45°	83.9	362.4	1806.0	3407.6	5242.6	*6034.1*	6017.5	5502.5	4084.5	2743.0	1034.9
47.5°	115.8	564.5	2549.7	4278.4	6105.8	*6810.7*	6824.9	6195.4	4664.5	3395.0	1553.6
50°	178.1	863.7	3174.6	4738.8	6476.9	*7184.1*	7170.8	6443.4	4884.9	3716.1	1871.5
52.5°	231.7	1080.2	3488.1	4900.3	6524.5	*7368.7*	7367.8	6508.7	4919.2	3743.6	1911.2
55°	245.0	1096.5	3490.6	4909.1	6631.2	*7610.2*	7640.6	6669.3	4963.5	3623.2	1761.6
57.5°	239.7	970.8	3344.9	4959.6	6821.0	*7797.1*	7798.7	6824.9	5076.2	3549.4	1513.9
58°	*235.1*	*951.0*	*3315.5*	*4988.4*	*6853.6*	*7804.9*	*7801.0*	*6832.0*	*5167.9*	*3546.7*	*1475.0*
60°	209.4	825.8	3200.8	5061.7	6805.1	*7644.5*	7607.9	6676.4	5154.3	3518.4	1279.4
62.5°	164.6	644.2	3087.9	4976.9	6285.3	*6867.9*	6883.0	5910.9	4698.8	3353.6	1048.9
65°	131.0	480.1	2852.6	4365.5	5175.7	*5639.9*	5696.5	4806.6	3922.0	2839.7	773.4
67.5°	104.3	347.0	2392.9	3475.7	4095.5	*4707.1*	4748.2	4035.5	3038.5	2175.8	549.5
70°	84.8	234.7	1651.8	2541.9	3378.0	*4065.6*	4068.1	3352.5	2267.9	1425.6	344.7
72.5°	75.2	162.5	958.8	1853.8	2739.1	*3312.9*	3246.1	2720.4	1743.0	844.4	205.5
75°	65.0	107.8	470.2	1133.3	1660.7	*1672.0*	1697.5	1262.0	871.3	401.5	123.2
77.5°	53.5	76.5	185.2	309.6	498.0	*637.5*	661.2	501.0	289.8	98.8	65.7
80°	36.8	36.3	49.9	94.9	142.5	*178.6*	166.6	128.9	75.8	37.9	23.4
82.5°	15.9	17.2	22.5	27.1	22.1	*21.4*	20.5	13.1	10.1	7.8	4.8
85°	5.1	4.6	4.8	4.8	3.9	*3.0*	3.0	1.4	0.0	0.0	0.0
87.5°	2.5	2.1	2.1	1.8	1.1	*0.5*	0.2	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°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	12.2	12.2	11.7	11.3	11.0	10.6	10.3	10.1	9.9	9.7	9.4
5°	12.9	12.6	12.0	11.3	10.6	9.9	9.4	9.0	8.5	8.3	8.0
7.5°	14.0	13.6	12.2	11.0	10.1	9.2	8.7	8.0	7.6	6.9	6.7
10°	15.4	14.5	12.6	11.3	9.9	8.7	8.0	7.4	6.7	5.7	5.5
12.5°	17.2	15.6	13.3	11.0	9.4	8.0	7.4	6.4	5.7	5.1	4.6
15°	18.8	16.8	13.6	11.0	9.0	7.4	6.4	5.5	4.8	3.9	3.4
17.5°	21.1	17.7	13.3	10.3	8.3	6.4	5.5	4.8	3.7	2.3	1.8
20°	25.1	18.4	12.9	9.7	7.1	5.3	4.1	3.2	1.6	0.5	0.0
22.5°	31.3	20.2	12.4	8.7	6.2	4.1	2.8	1.1	0.0	0.0	0.0
25°	43.2	23.4	12.4	8.3	5.5	3.0	0.9	0.0	0.0	0.0	0.0
27.5°	57.5	27.8	12.4	7.1	4.4	1.6	0.0	0.0	0.0	0.0	0.0
30°	71.9	32.6	12.4	6.2	3.4	0.2	0.0	0.0	0.0	0.0	0.0
32.5°	85.7	36.8	12.6	5.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
35°	99.7	37.5	12.4	4.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	117.7	36.1	11.7	4.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	144.8	36.8	11.0	3.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	194.9	39.8	10.1	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	336.9	53.3	9.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	557.3	95.8	9.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	711.3	120.7	9.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	710.2	134.4	9.9	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
55°	631.3	137.0	10.6	5.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	527.7	125.0	12.2	6.2	5.5	0.0	0.0	0.0	0.0	0.0	0.0
58°	*509.3*	*119.5*	*12.6*	*6.4*	*6.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	417.4	97.4	16.1	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	288.2	85.0	18.4	10.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	203.9	76.8	20.0	11.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	152.4	70.8	22.1	11.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	116.8	66.4	27.1	12.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	95.1	61.4	32.9	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	78.8	55.4	31.7	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	52.4	43.0	29.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	18.4	17.0	22.5	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.8	2.3	3.2	4.1	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°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	9.4	9.4	9.2	9.4	9.4	9.9	11.0	12.6	14.5	15.2	15.9
5°	7.8	7.6	7.4	7.4	7.4	8.0	9.0	10.8	12.9	13.8	14.2
7.5°	6.4	6.2	6.0	5.7	5.7	6.2	7.4	9.4	11.5	12.4	13.1
10°	5.3	4.8	4.6	4.4	4.4	4.8	6.0	8.0	10.3	11.3	12.2
12.5°	4.4	3.7	3.2	3.0	2.8	3.4	4.6	6.4	9.0	10.1	11.0
15°	3.0	2.3	1.6	1.4	1.1	1.8	3.0	5.1	7.6	9.0	9.9
17.5°	1.6	0.7	0.2	0.0	0.0	0.5	1.4	3.7	6.2	7.4	8.5
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	4.6	5.7	6.9
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.8	3.9	5.1
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.4
30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.5
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: P1065134
CATALOG NUMBER: GLAN-SA1B-722-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
2.5°	16.3	16.1	15.6	15.2	15.2	15.2	15.9	16.5	17.2	17.2
5°	15.2	15.2	14.9	14.5	14.5	14.7	15.6	16.8	17.7	17.9
7.5°	14.0	14.5	14.0	13.8	14.0	14.2	15.2	16.5	17.9	18.4
10°	13.3	13.6	13.6	13.3	13.3	13.8	14.7	16.5	18.4	19.1
12.5°	12.4	12.9	12.6	12.6	12.6	13.1	14.2	16.3	18.8	19.8
15°	11.5	12.2	12.2	12.0	12.0	12.2	13.8	16.1	19.5	21.1
17.5°	10.6	11.3	11.5	11.0	11.0	11.5	13.1	16.1	20.0	22.8
20°	8.7	9.9	10.6	9.9	9.9	10.3	12.0	15.2	20.2	24.4
22.5°	6.9	8.0	9.0	8.7	8.7	9.0	11.0	14.5	20.5	27.1
25°	5.1	6.2	6.9	7.4	7.4	8.0	10.1	14.0	21.4	32.9
27.5°	3.0	4.4	5.3	5.7	6.0	6.9	9.4	13.6	23.0	41.1
30°	1.4	2.5	3.7	4.6	4.6	6.2	8.7	13.1	25.1	53.1
32.5°	0.0	1.1	1.8	3.2	3.4	5.1	8.0	12.6	28.0	64.6
35°	0.0	0.0	0.9	2.5	2.5	4.1	7.4	12.2	32.6	73.3
37.5°	0.0	0.0	0.0	1.8	2.1	3.7	7.1	12.0	33.6	74.0
40°	0.0	0.0	0.0	1.4	1.6	3.4	7.1	12.2	30.3	72.4
42.5°	0.0	0.0	0.0	0.9	1.1	3.4	7.1	12.6	27.3	74.2
45°	0.0	0.0	0.0	0.7	0.9	3.7	6.9	12.4	25.7	83.9
47.5°	0.0	0.0	0.0	0.9	1.4	3.7	6.7	12.2	26.0	115.8
50°	0.0	0.0	0.0	1.1	1.6	3.7	6.9	11.7	28.5	178.1
52.5°	0.0	0.0	0.0	0.9	1.4	4.1	7.6	11.5	31.0	231.7
55°	0.0	0.0	0.0	0.2	0.7	5.3	8.3	11.5	34.9	245.0
57.5°	0.0	0.0	0.0	0.0	0.0	6.0	9.4	12.2	41.4	239.7
58°	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*6.0*	*9.7*	*12.2*	*41.8*	*235.1*
60°	0.0	0.0	0.0	0.0	0.0	6.0	10.6	13.6	45.0	209.4
62.5°	0.0	0.0	0.0	0.0	0.0	5.1	12.6	17.0	46.9	164.6
65°	0.0	0.0	0.0	0.0	0.0	4.1	14.9	18.6	48.3	131.0
67.5°	0.0	0.0	0.0	0.0	0.0	3.9	15.4	18.8	49.0	104.3
70°	0.0	0.0	0.0	0.0	0.0	4.1	15.2	20.2	51.3	84.8
72.5°	0.0	0.0	0.0	0.0	0.0	4.6	13.8	22.3	51.3	75.2
75°	0.0	0.0	0.0	0.0	0.0	4.8	12.9	25.1	46.7	65.0
77.5°	0.0	0.0	0.0	0.0	0.0	4.6	12.6	29.2	41.6	53.5
80°	0.5	0.7	0.7	0.5	0.5	3.9	12.4	29.6	35.4	36.8
82.5°	1.4	1.8	1.6	1.1	1.1	3.4	11.0	24.8	18.4	15.9
85°	2.5	3.0	3.0	2.5	2.5	3.2	6.9	9.0	6.2	5.1
87.5°	3.4	3.9	3.9	3.4	3.4	3.2	3.0	2.8	2.5	2.5
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

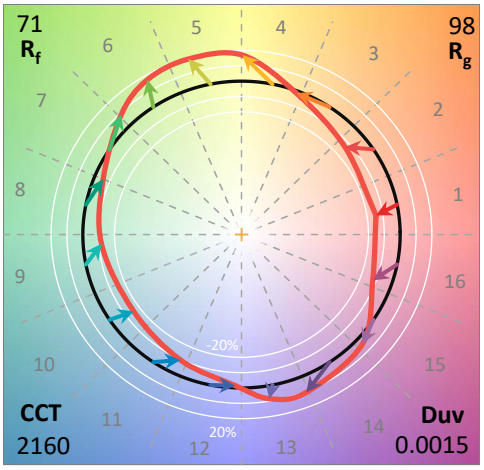
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-2
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-722-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160
CIE u':	0.2927
CIE v':	0.5388
Duv:	0.0015
CIE x:	0.5130
CIE y:	0.4197
CIE z:	0.0674
Peak Wavelength (nm):	609
Dominant Wavelength (nm):	587
Purity:	79.96089
Rf:	70.6
Rg:	97.6

CRI (Ra):	71.9
R1:	68.7
R2:	82.6
R3:	95.5
R4:	66.4
R5:	65.4
R6:	75.9
R7:	77.2
R8:	43.5
R9:	-17.8
R10:	60.5
R11:	60.2
R12:	48.2
R13:	70.7
R14:	96.8
R15:	61.8



Test Conditions

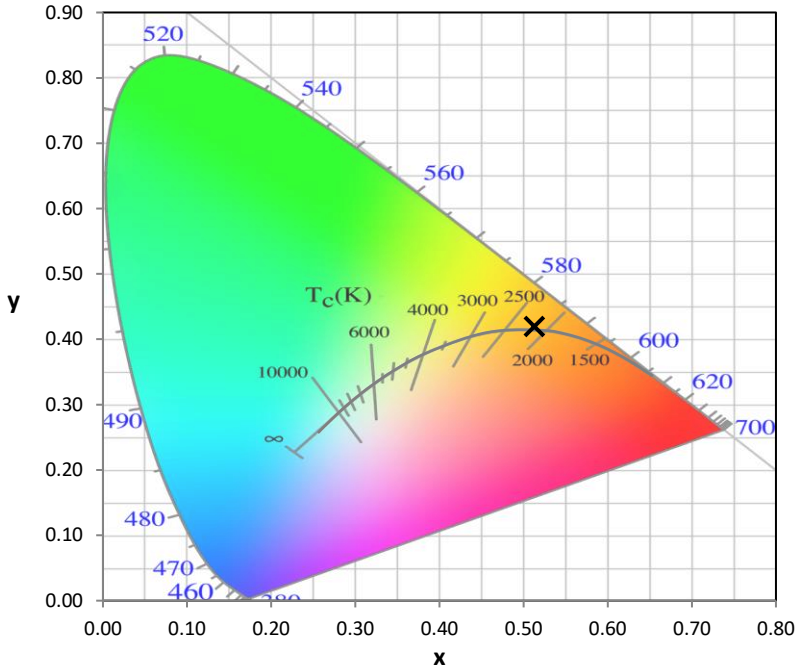
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-2

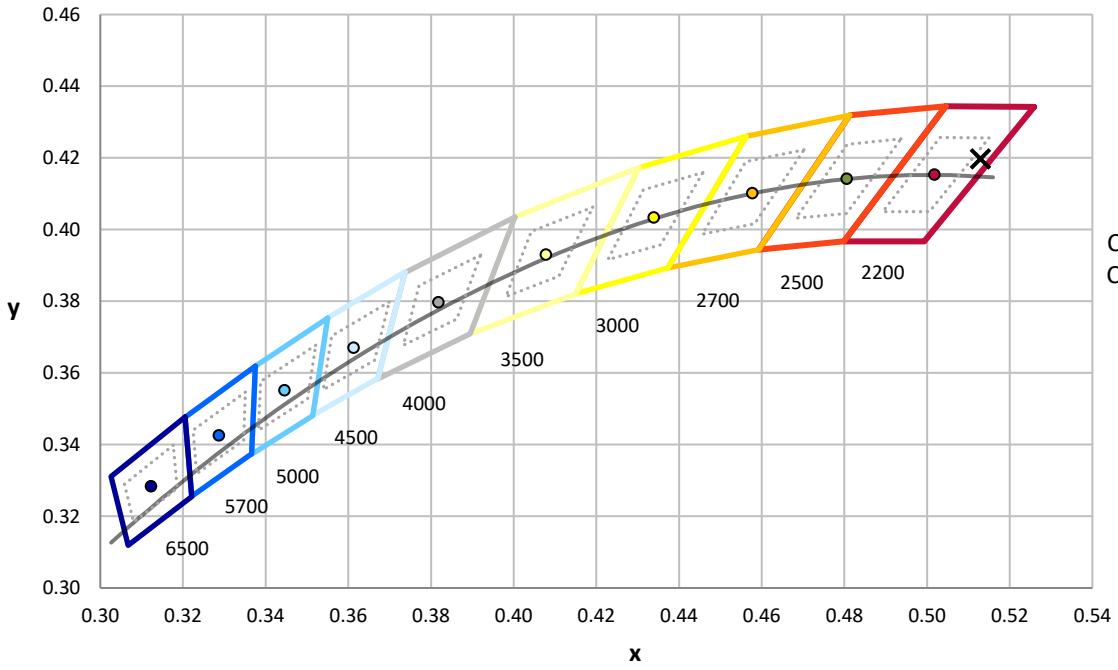
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-2

CIE 1931 Chromaticity Diagram



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

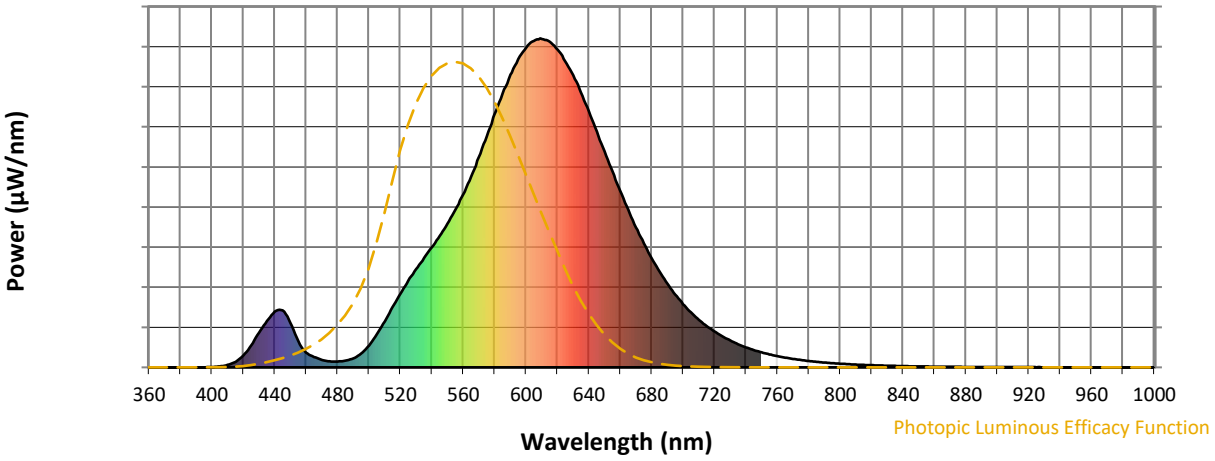


CCT = 2160K
CIE x = 0.5130
CIE y = 0.4197
Duv = 0.0015

Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

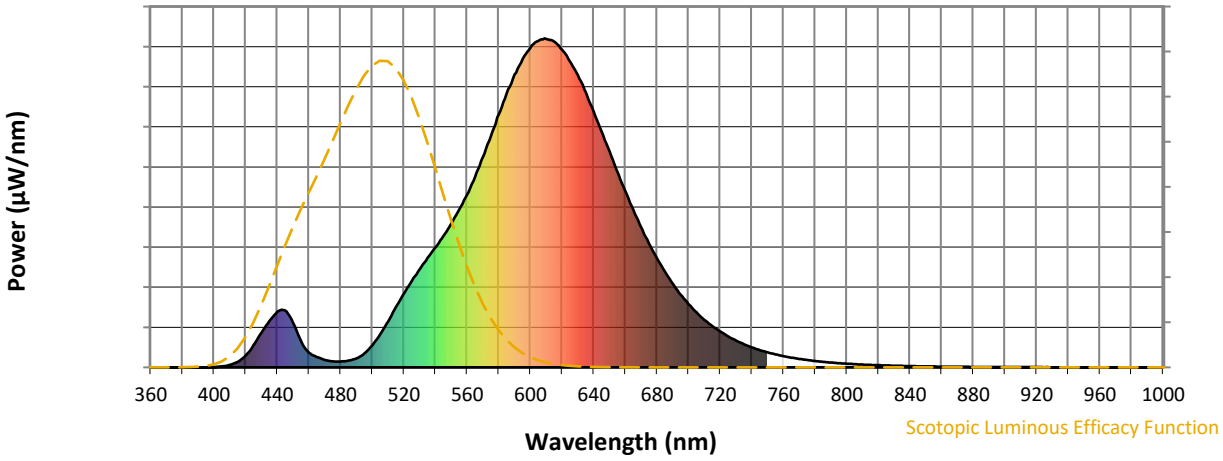


Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength

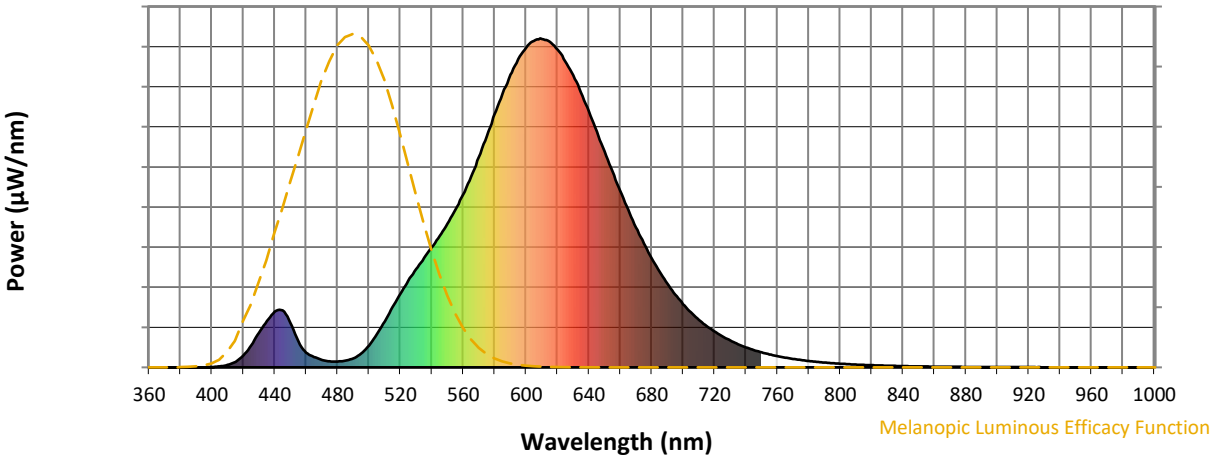


Scotopic Lumens: NR **S/P: 0.8**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 1.21**

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

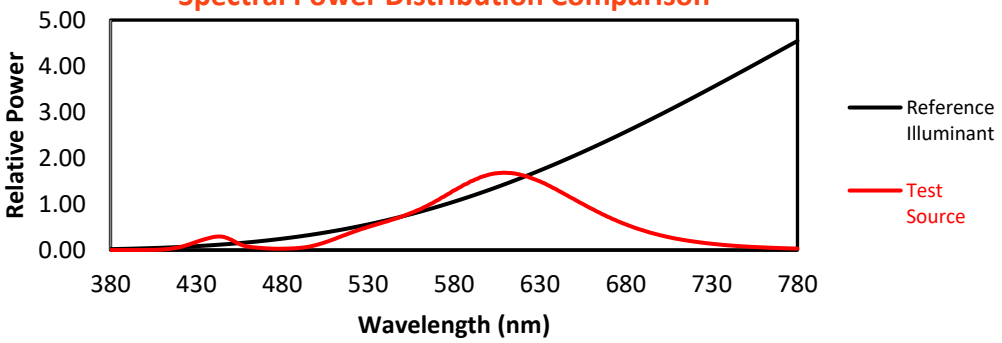
REPORT NUMBER: SP1-2407-184-2

TM-30-18

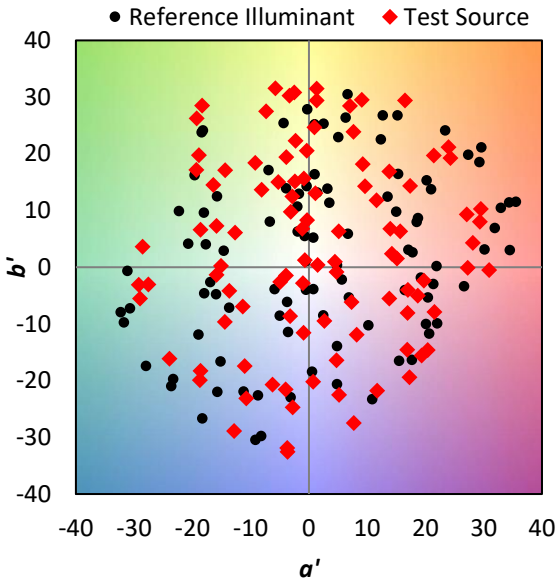
Summary

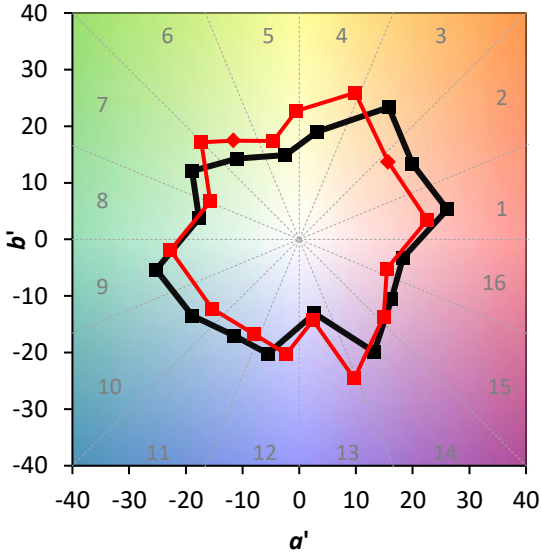
R_f = 70.6
R_g = 97.6
CIE R_a = 71.9
R_9 = -17.8

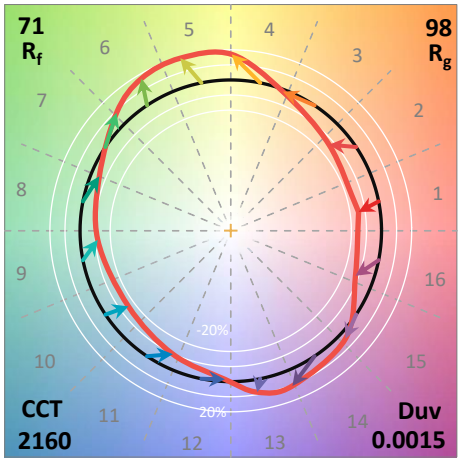
Spectral Power Distribution Comparison

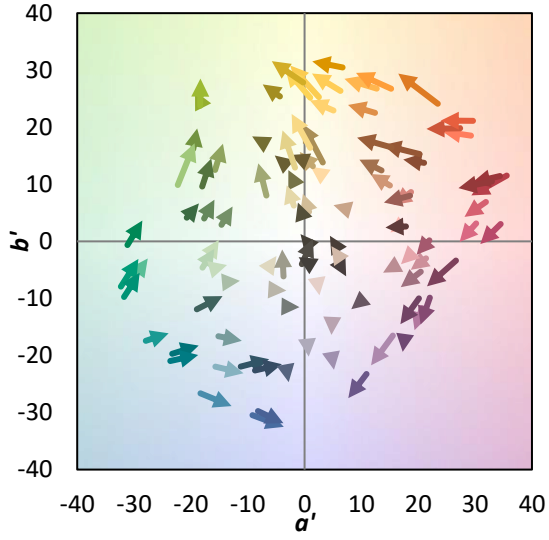


Color Vector Graphics







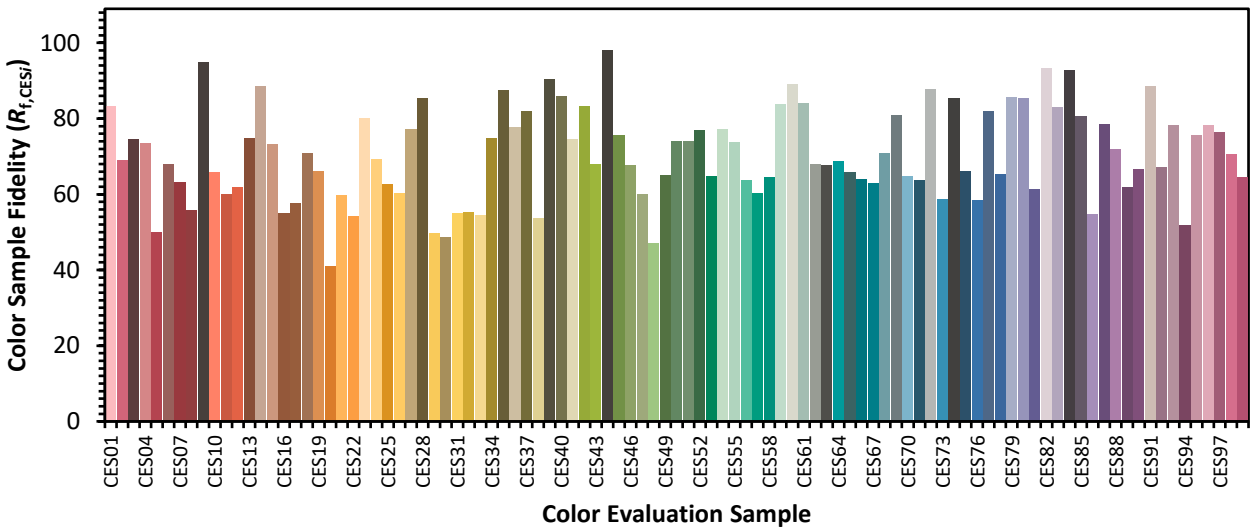


REPORT NUMBER: SP1-2407-184-2

TM-30-18

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

CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



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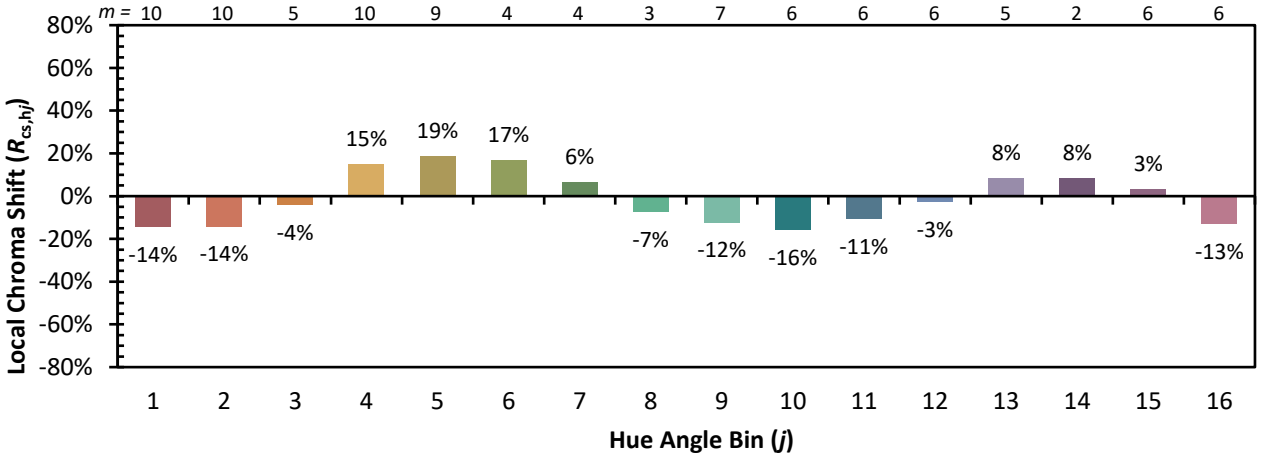
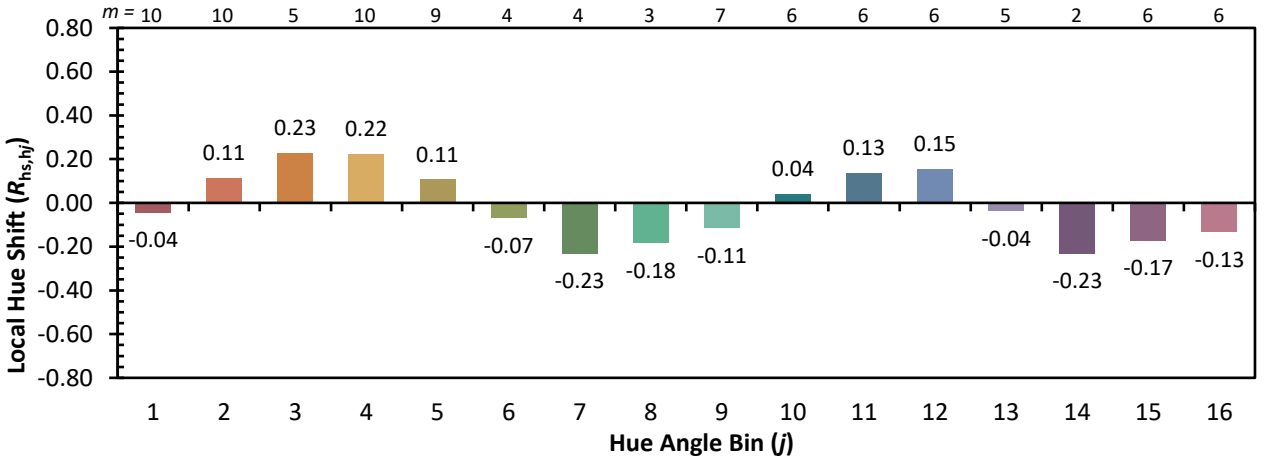
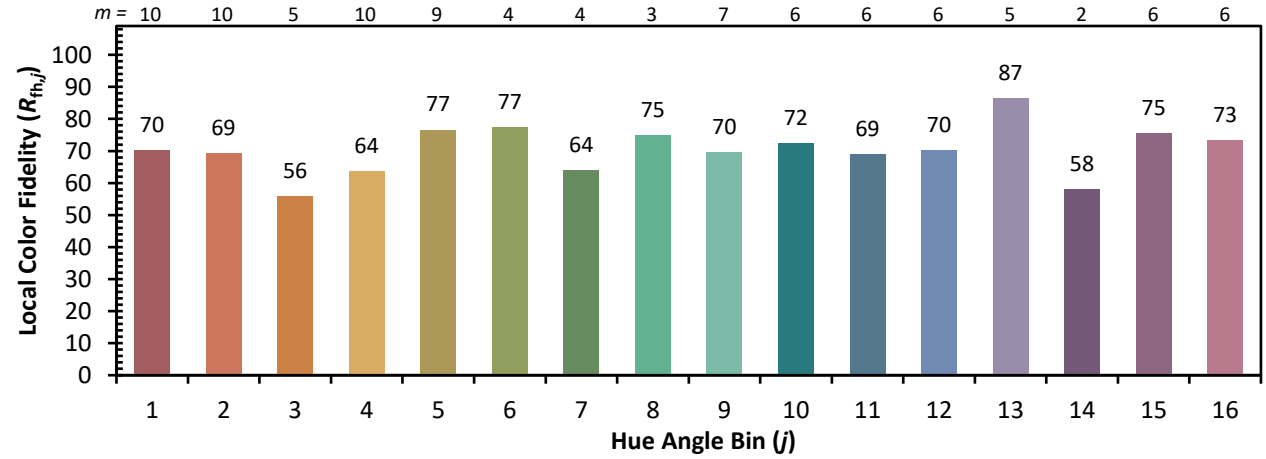
Color Rendition by Hue-Angle Bin







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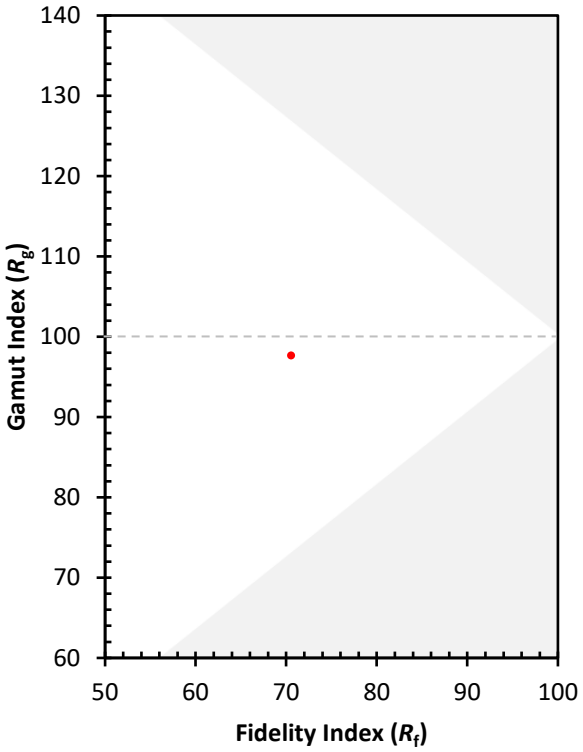
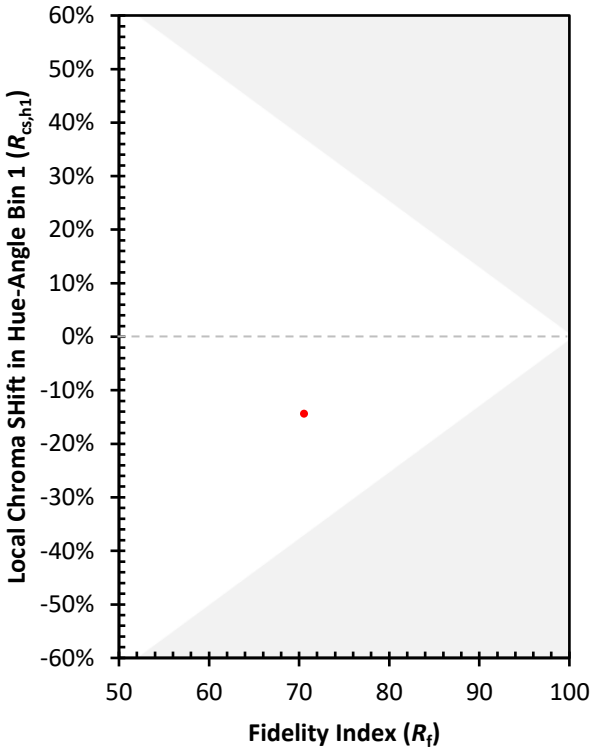
Measure Comparisons





(END OF REPORT)