

Signify Classified - Internal
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: McGRAW-EDISON

Report Number: P1049502

Luminaire Tested: **GALN-SA2B-722-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049502
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2B-722-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 2xLight Square PACKAGE
70CRI 2200K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6109.6 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 72.8
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

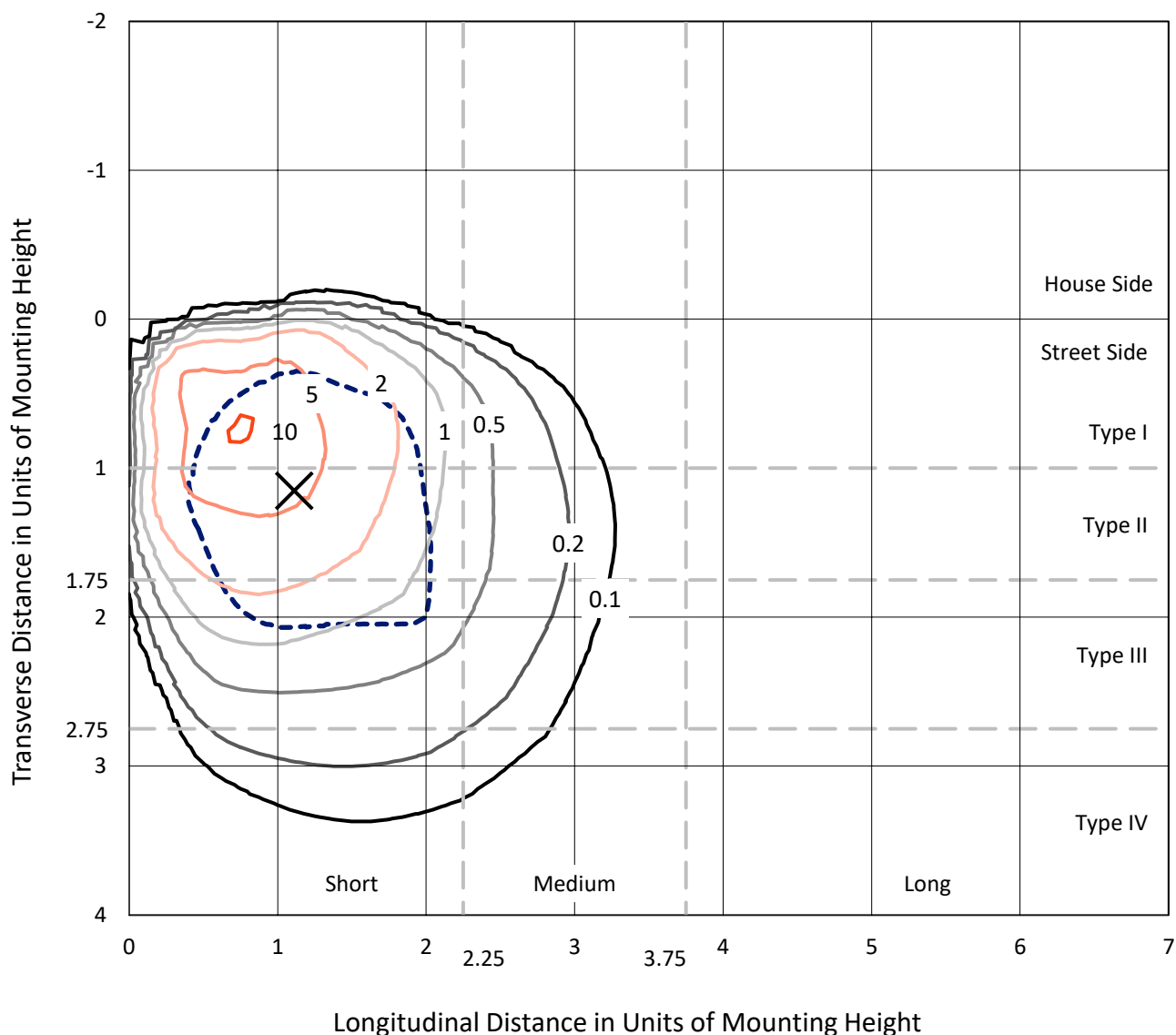
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

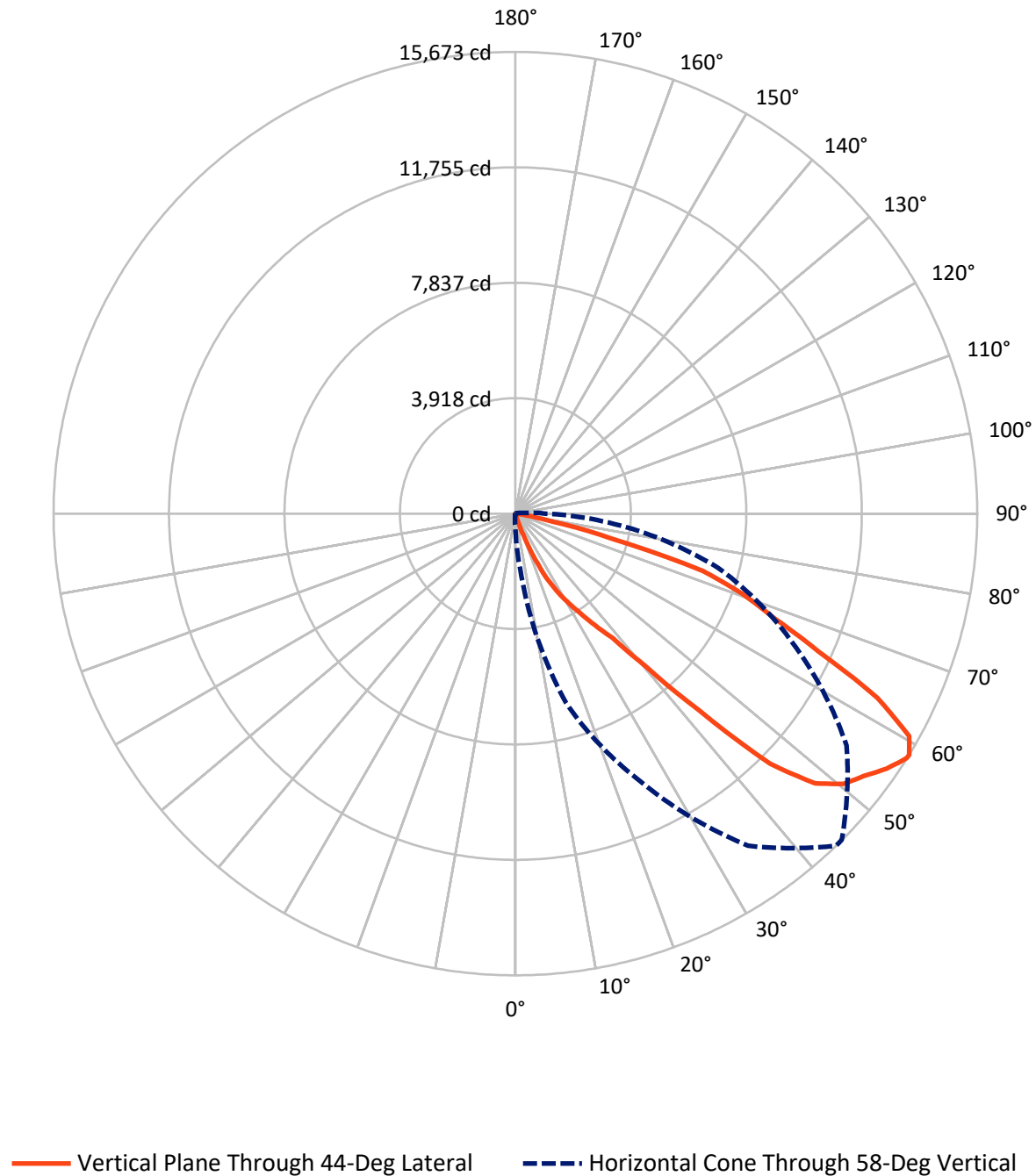


Based on 20 foot mounting height. Maximum calculated value = 10.6 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



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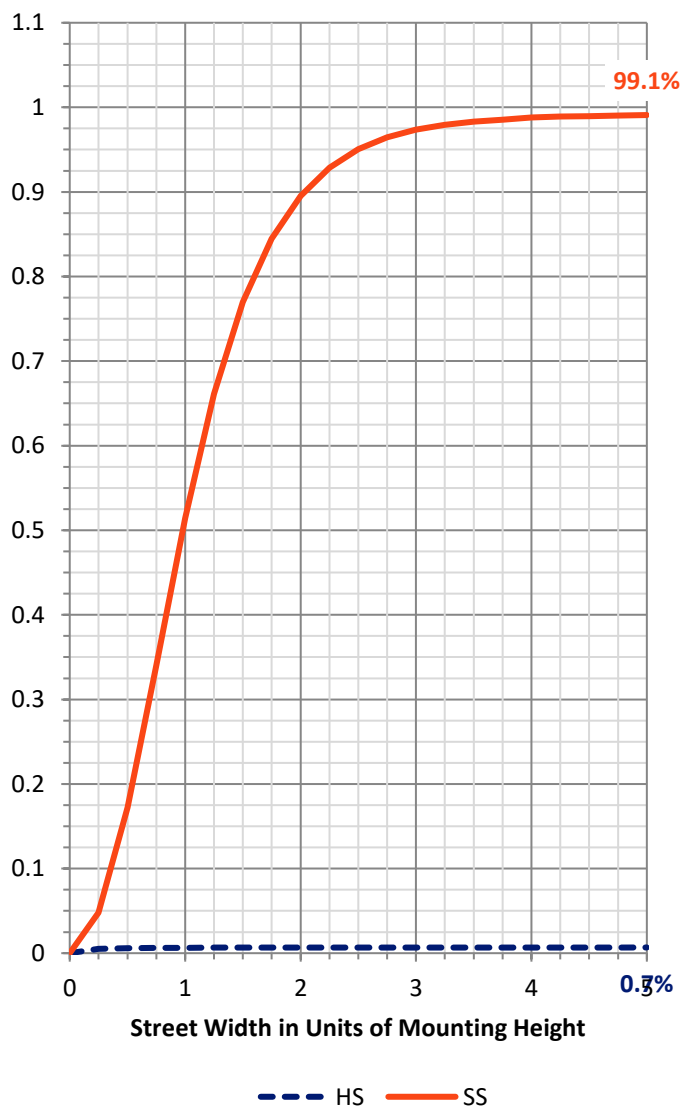
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41.7	0.0	41.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	6067.9	0.0	6067.9
	% Fixture	99.3	0.0	99.3
Total	Lumens	6109.6	0.0	6109.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.0
10°-20°	13.4	0.2
20°-30°	144.7	2.4
30°-40°	428.0	7.0
40°-50°	1275.8	20.9
50°-60°	2024.3	33.1
60°-70°	1688.5	27.6
70°-80°	520.8	8.5
80°-90°	11.6	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°	6109.6	100.0
0°-180°	6109.6	100.0



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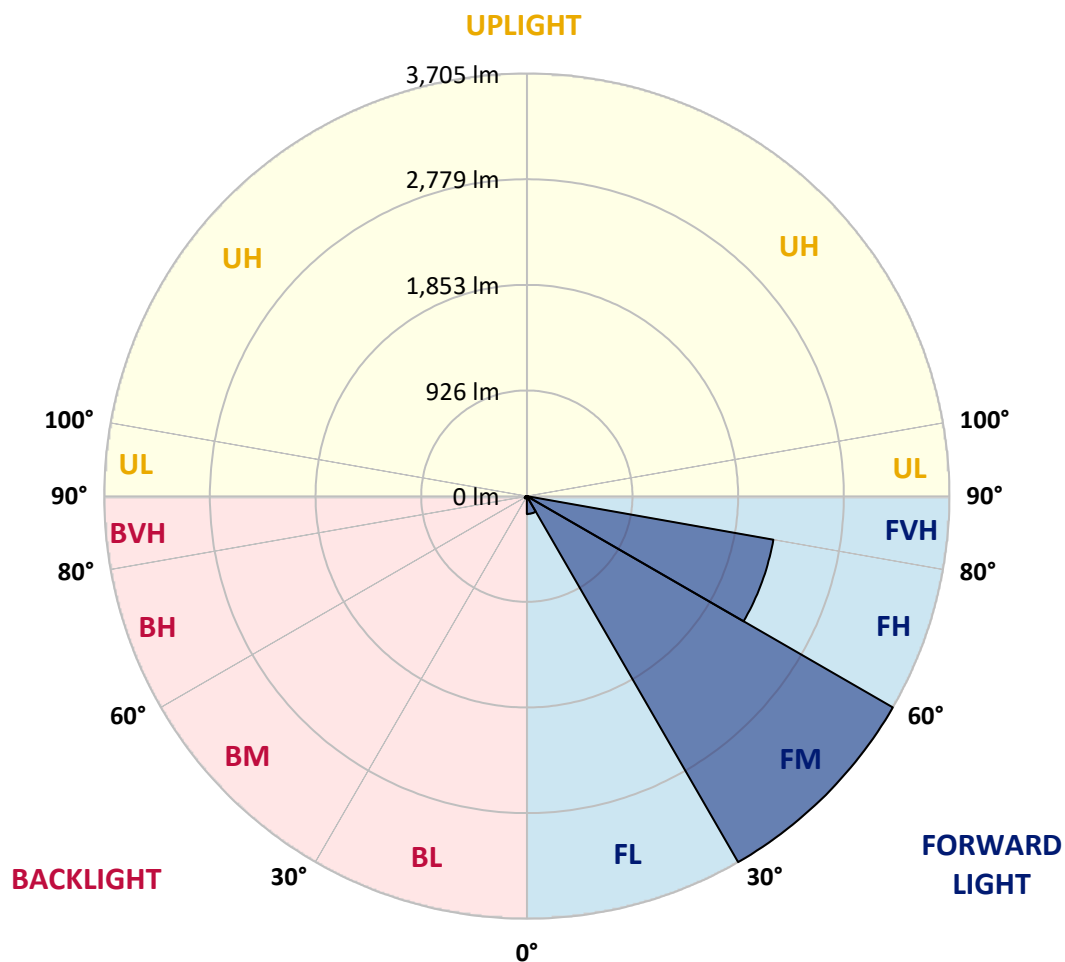
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.4	2.6			
FM	(30°-60°)	3705.3	60.6			
FH	(60°-80°)	2195.1	35.9			G2/5000
FVH	(80°-90°)	11.0	0.2			G1/100
BL	(0°-30°)	4.1	0.1	B0/110		
BM	(30°-60°)	22.8	0.4	B0/220		
BH	(60°-80°)	14.2	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°	44°	45°	55°	65°	75°	85°
0°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	34.6	34.6	33.2	31.4	29.5	27.7	27.2	26.3	25.8	25.4	24.9
5°	36.0	36.0	35.5	34.2	32.3	30.9	30.9	29.5	28.6	27.7	26.8
7.5°	36.9	37.4	38.3	37.8	36.9	35.5	35.5	34.6	33.2	30.9	29.5
10°	38.3	39.7	41.5	42.5	42.9	42.9	42.5	42.0	39.7	36.5	32.8
12.5°	39.7	42.5	47.1	51.7	54.5	58.2	57.7	56.8	50.8	43.8	37.4
15°	42.5	46.6	56.3	69.7	90.5	103.4	108.5	103.8	84.0	59.1	43.4
17.5°	45.7	52.6	81.7	145.8	239.1	283.4	310.1	288.5	191.1	112.2	54.5
20°	48.9	64.2	151.8	378.0	620.3	765.2	805.4	742.6	476.8	213.7	80.8
22.5°	54.5	90.0	307.8	781.4	1336.6	1554.0	1595.0	1394.3	900.4	421.8	121.4
25°	66.0	130.6	530.8	1273.4	1994.7	2361.6	2344.6	2081.5	1460.7	673.8	184.6
27.5°	82.6	190.1	802.6	1809.2	2625.2	2948.7	2987.5	2662.1	1947.2	990.9	262.1
30°	106.6	263.5	1094.3	2238.4	3130.5	3480.4	3486.8	3150.4	2382.4	1269.2	357.2
32.5°	129.7	332.8	1349.5	2653.3	3628.5	4012.0	4040.7	3626.7	2707.3	1559.0	439.8
35°	147.2	378.0	1608.0	3017.9	4130.7	4659.1	4657.3	4165.7	3092.2	1818.0	554.3
37.5°	148.6	423.2	1842.0	3390.8	4766.6	5358.3	5416.9	4875.1	3557.4	2138.3	694.6
40°	145.4	474.0	2138.3	3972.4	5912.6	6820.4	6872.1	6189.1	4490.7	2686.5	913.8
42.5°	149.1	562.1	2619.2	5046.3	7815.5	9119.3	9219.0	8500.9	6206.1	3805.3	1304.7
45°	168.5	727.8	3626.7	6843.1	10527.9	12117.4	12084.1	11049.9	8202.2	5508.3	2078.3
47.5°	232.6	1133.5	5120.2	8591.8	12261.4	13676.9	13705.5	12441.4	9367.1	6817.7	3119.9
50°	357.7	1734.4	6375.1	9516.2	13006.7	14426.9	14400.1	12939.4	9809.7	7462.4	3758.2
52.5°	465.2	2169.2	7004.6	9840.7	13102.3	14797.5	14795.6	13070.4	9878.5	7517.8	3838.1
55°	492.0	2201.9	7009.7	9858.2	13316.4	15282.5	15343.4	13393.0	9967.6	7276.0	3537.6
57.5°	481.4	1949.5	6717.1	9959.7	13697.6	15657.7	15661.0	13705.5	10193.7	7127.8	3040.1
58°	472.1	1909.8	6658.0	10017.4	13763.2	15673.4	15665.6	13719.8	10377.9	7122.3	2962.1
60°	420.5	1658.3	6427.7	10164.7	13665.8	15351.3	15277.9	13407.3	10350.7	7065.5	2569.3
62.5°	330.5	1293.7	6201.1	9994.4	12621.8	13791.8	13822.3	11870.0	9435.9	6734.6	2106.4
65°	263.1	964.1	5728.5	8766.7	10393.6	11325.9	11439.4	9652.4	7875.9	5702.6	1553.0
67.5°	209.5	696.9	4805.4	6979.7	8224.4	9452.5	9535.1	8103.9	6101.8	4369.3	1103.5
70°	170.3	471.2	3317.0	5104.5	6783.5	8164.4	8169.5	6732.3	4554.3	2862.8	692.3
72.5°	150.9	326.3	1925.5	3722.7	5500.5	6652.9	6518.6	5463.1	3500.2	1695.6	412.6
75°	130.6	216.5	944.3	2275.8	3335.0	3357.6	3408.8	2534.2	1749.6	806.3	247.4
77.5°	107.5	153.7	372.0	621.7	1000.1	1280.3	1327.8	1006.1	582.0	198.5	132.0
80°	73.8	72.9	100.2	190.6	286.1	358.6	334.6	258.9	152.3	76.2	47.1
82.5°	31.8	34.6	45.2	54.5	44.3	42.9	41.1	26.3	20.3	15.7	9.7
85°	10.2	9.2	9.7	9.7	7.8	6.0	6.0	2.8	0.0	0.0	0.0
87.5°	5.1	4.2	4.2	3.7	2.3	0.9	0.5	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°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	24.5	24.5	23.5	22.6	22.2	21.2	20.8	20.3	19.8	19.4	18.9
5°	25.8	25.4	24.0	22.6	21.2	19.8	18.9	18.0	17.1	16.6	16.2
7.5°	28.2	27.2	24.5	22.2	20.3	18.5	17.5	16.2	15.2	13.8	13.4
10°	30.9	29.1	25.4	22.6	19.8	17.5	16.2	14.8	13.4	11.5	11.1
12.5°	34.6	31.4	26.8	22.2	18.9	16.2	14.8	12.9	11.5	10.2	9.2
15°	37.8	33.7	27.2	22.2	18.0	14.8	12.9	11.1	9.7	7.8	6.9
17.5°	42.5	35.5	26.8	20.8	16.6	12.9	11.1	9.7	7.4	4.6	3.7
20°	50.3	36.9	25.8	19.4	14.3	10.6	8.3	6.5	3.2	0.9	0.0
22.5°	62.8	40.6	24.9	17.5	12.5	8.3	5.5	2.3	0.0	0.0	0.0
25°	86.8	47.1	24.9	16.6	11.1	6.0	1.8	0.0	0.0	0.0	0.0
27.5°	115.4	55.8	24.9	14.3	8.8	3.2	0.0	0.0	0.0	0.0	0.0
30°	144.5	65.5	24.9	12.5	6.9	0.5	0.0	0.0	0.0	0.0	0.0
32.5°	172.1	73.8	25.4	10.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0
35°	200.3	75.2	24.9	9.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	236.3	72.5	23.5	8.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
40°	290.8	73.8	22.2	7.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	391.4	79.8	20.3	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	676.6	107.1	18.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1119.2	192.5	18.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	1428.4	242.3	18.9	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1426.1	270.0	19.8	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0
55°	1267.8	275.1	21.2	10.2	6.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	1059.7	251.1	24.5	12.5	11.1	0.0	0.0	0.0	0.0	0.0	0.0
58°	1022.7	240.0	25.4	12.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	838.1	195.7	32.3	16.2	16.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	578.8	170.8	36.9	20.8	16.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	409.4	154.1	40.2	22.2	13.4	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	306.0	142.2	44.3	22.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0
70°	234.5	133.4	54.5	24.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	191.1	123.2	66.0	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	158.3	111.2	63.7	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	105.2	86.3	58.2	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	36.9	34.2	45.2	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.5	4.6	6.5	8.3	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°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	18.9	18.9	18.5	18.9	18.9	19.8	22.2	25.4	29.1	30.5	31.8
5°	15.7	15.2	14.8	14.8	14.8	16.2	18.0	21.7	25.8	27.7	28.6
7.5°	12.9	12.5	12.0	11.5	11.5	12.5	14.8	18.9	23.1	24.9	26.3
10°	10.6	9.7	9.2	8.8	8.8	9.7	12.0	16.2	20.8	22.6	24.5
12.5°	8.8	7.4	6.5	6.0	5.5	6.9	9.2	12.9	18.0	20.3	22.2
15°	6.0	4.6	3.2	2.8	2.3	3.7	6.0	10.2	15.2	18.0	19.8
17.5°	3.2	1.4	0.5	0.0	0.0	0.9	2.8	7.4	12.5	14.8	17.1
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	9.2	11.5	13.8
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	5.5	7.8	10.2
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.2	6.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8
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	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.7	5.1
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):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
2.5°	32.8	32.3	31.4	30.5	30.5	30.5	31.8	33.2	34.6	34.6
5°	30.5	30.5	30.0	29.1	29.1	29.5	31.4	33.7	35.5	36.0
7.5°	28.2	29.1	28.2	27.7	28.2	28.6	30.5	33.2	36.0	36.9
10°	26.8	27.2	27.2	26.8	26.8	27.7	29.5	33.2	36.9	38.3
12.5°	24.9	25.8	25.4	25.4	25.4	26.3	28.6	32.8	37.8	39.7
15°	23.1	24.5	24.5	24.0	24.0	24.5	27.7	32.3	39.2	42.5
17.5°	21.2	22.6	23.1	22.2	22.2	23.1	26.3	32.3	40.2	45.7
20°	17.5	19.8	21.2	19.8	19.8	20.8	24.0	30.5	40.6	48.9
22.5°	13.8	16.2	18.0	17.5	17.5	18.0	22.2	29.1	41.1	54.5
25°	10.2	12.5	13.8	14.8	14.8	16.2	20.3	28.2	42.9	66.0
27.5°	6.0	8.8	10.6	11.5	12.0	13.8	18.9	27.2	46.2	82.6
30°	2.8	5.1	7.4	9.2	9.2	12.5	17.5	26.3	50.3	106.6
32.5°	0.0	2.3	3.7	6.5	6.9	10.2	16.2	25.4	56.3	129.7
35°	0.0	0.0	1.8	5.1	5.1	8.3	14.8	24.5	65.5	147.2
37.5°	0.0	0.0	0.0	3.7	4.2	7.4	14.3	24.0	67.4	148.6
40°	0.0	0.0	0.0	2.8	3.2	6.9	14.3	24.5	60.9	145.4
42.5°	0.0	0.0	0.0	1.8	2.3	6.9	14.3	25.4	54.9	149.1
45°	0.0	0.0	0.0	1.4	1.8	7.4	13.8	24.9	51.7	168.5
47.5°	0.0	0.0	0.0	1.8	2.8	7.4	13.4	24.5	52.2	232.6
50°	0.0	0.0	0.0	2.3	3.2	7.4	13.8	23.5	57.2	357.7
52.5°	0.0	0.0	0.0	1.8	2.8	8.3	15.2	23.1	62.3	465.2
55°	0.0	0.0	0.0	0.5	1.4	10.6	16.6	23.1	70.2	492.0
57.5°	0.0	0.0	0.0	0.0	0.0	12.0	18.9	24.5	83.1	481.4
58°	0.0	0.0	0.0	0.0	0.0	12.0	19.4	24.5	84.0	472.1
60°	0.0	0.0	0.0	0.0	0.0	12.0	21.2	27.2	90.5	420.5
62.5°	0.0	0.0	0.0	0.0	0.0	10.2	25.4	34.2	94.2	330.5
65°	0.0	0.0	0.0	0.0	0.0	8.3	30.0	37.4	96.9	263.1
67.5°	0.0	0.0	0.0	0.0	0.0	7.8	30.9	37.8	98.3	209.5
70°	0.0	0.0	0.0	0.0	0.0	8.3	30.5	40.6	102.9	170.3
72.5°	0.0	0.0	0.0	0.0	0.0	9.2	27.7	44.8	102.9	150.9
75°	0.0	0.0	0.0	0.0	0.0	9.7	25.8	50.3	93.7	130.6
77.5°	0.0	0.0	0.0	0.0	0.0	9.2	25.4	58.6	83.5	107.5
80°	0.9	1.4	1.4	0.9	0.9	7.8	24.9	59.5	71.1	73.8
82.5°	2.8	3.7	3.2	2.3	2.3	6.9	22.2	49.8	36.9	31.8
85°	5.1	6.0	6.0	5.1	5.1	6.5	13.8	18.0	12.5	10.2
87.5°	6.9	7.8	7.8	6.9	6.9	6.5	6.0	5.5	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

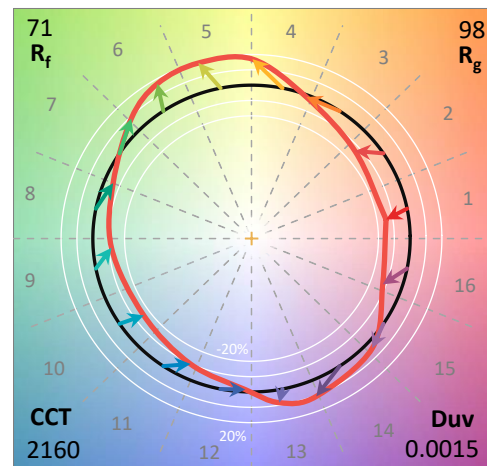
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

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	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

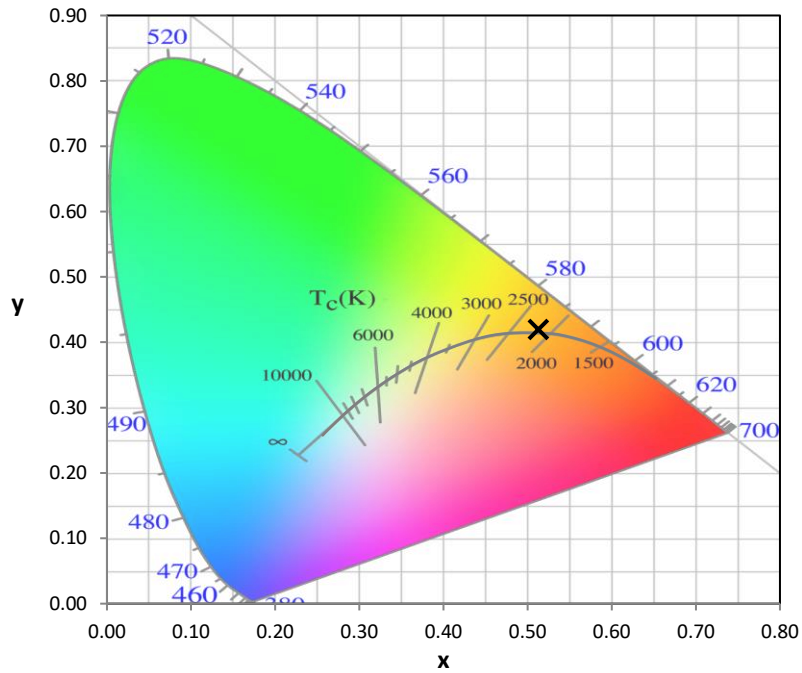
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

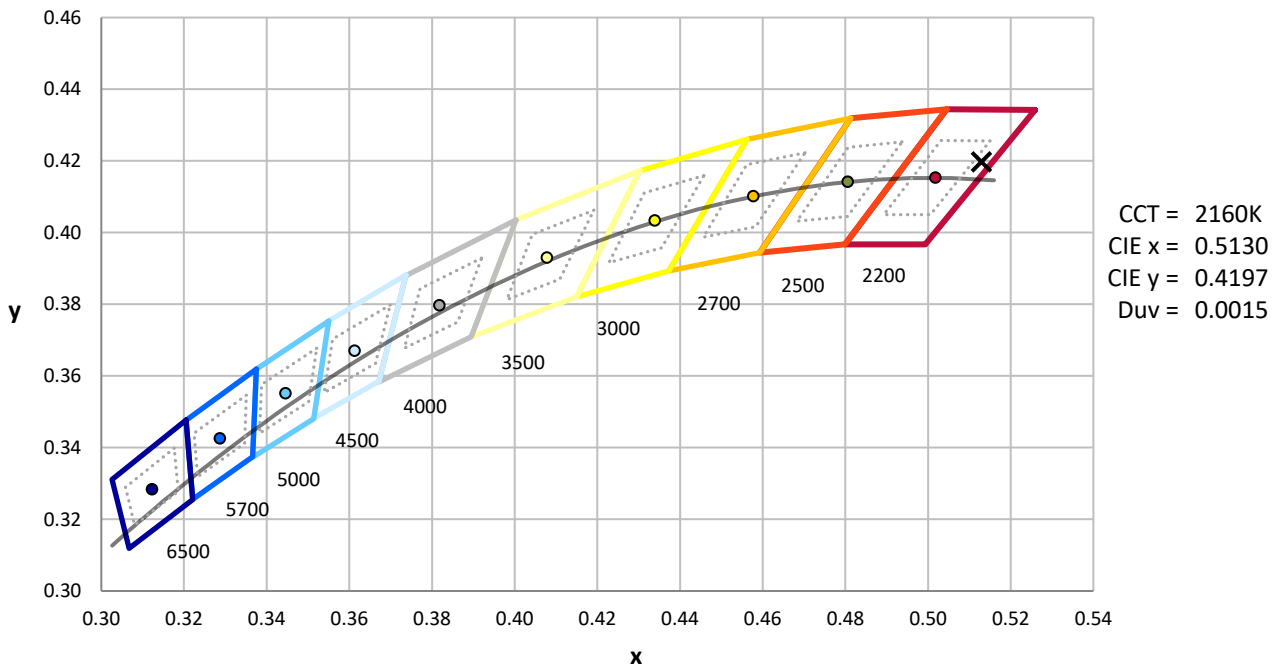
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



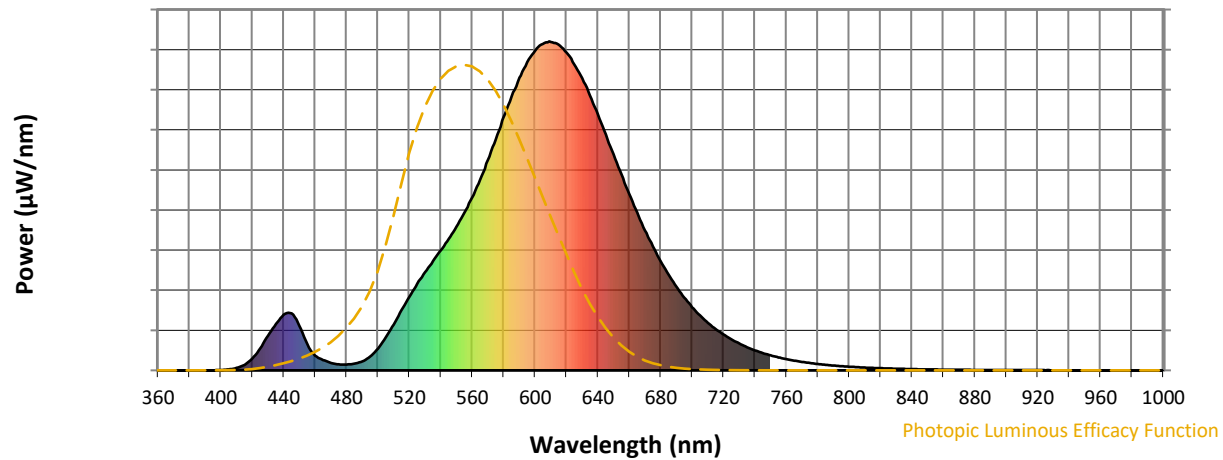
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength

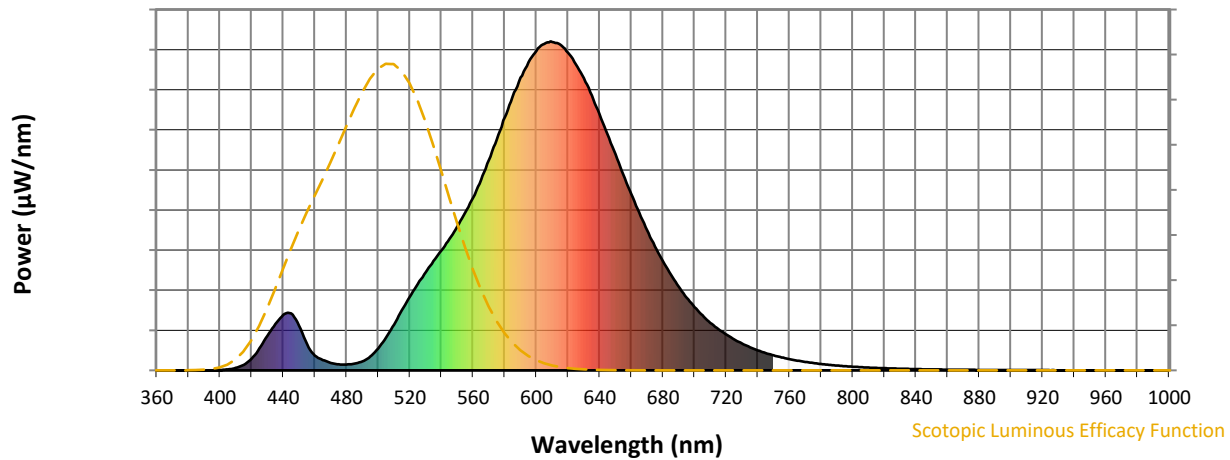


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /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



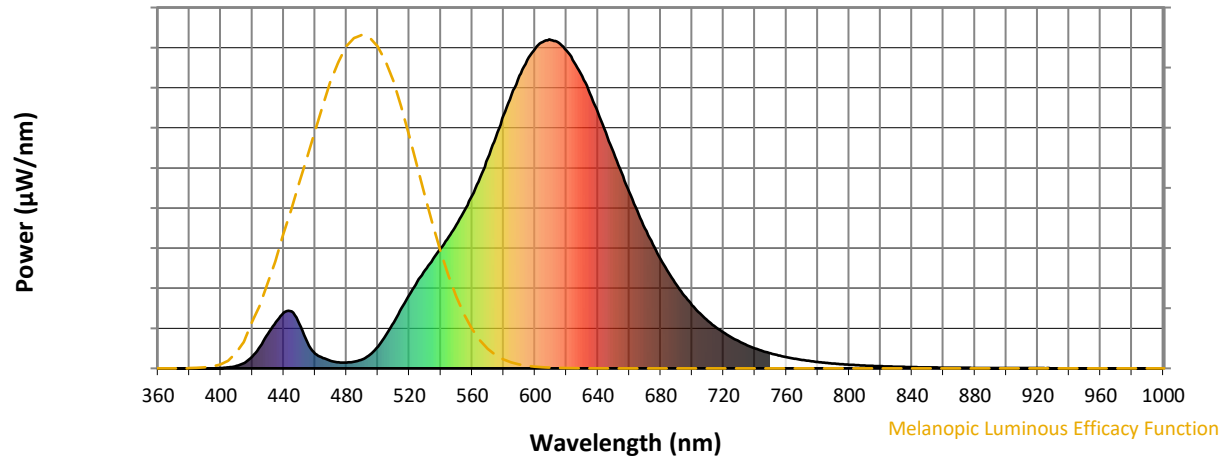
Scotopic Lumens: NR

S/P: 0.8

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.21

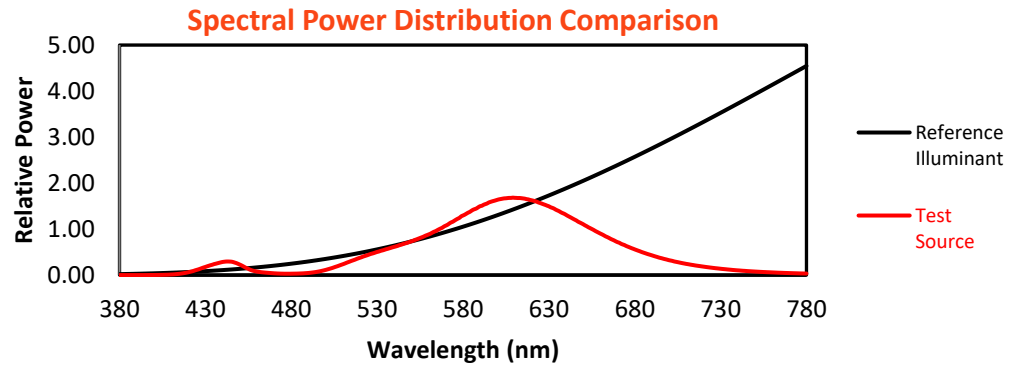
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	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

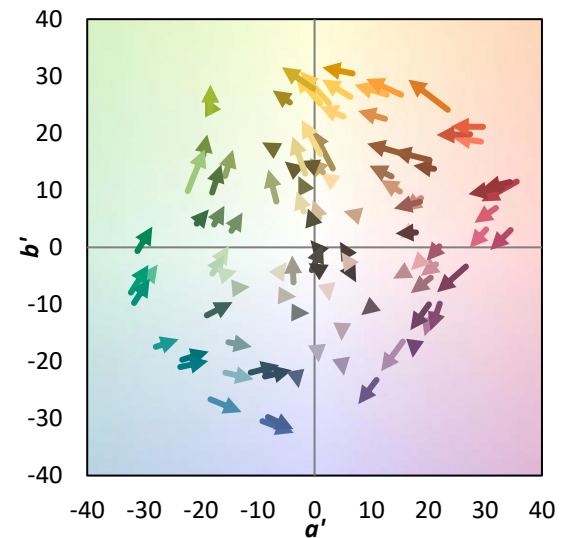
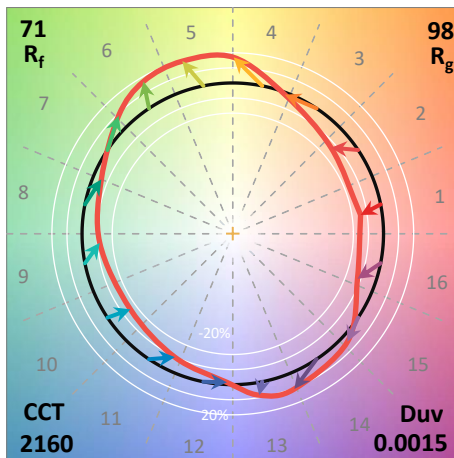
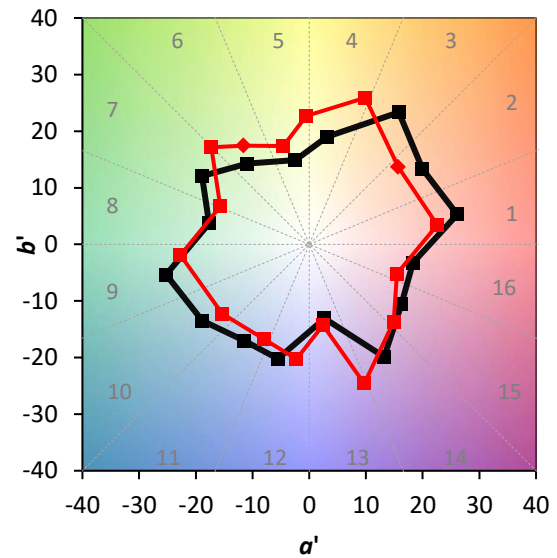
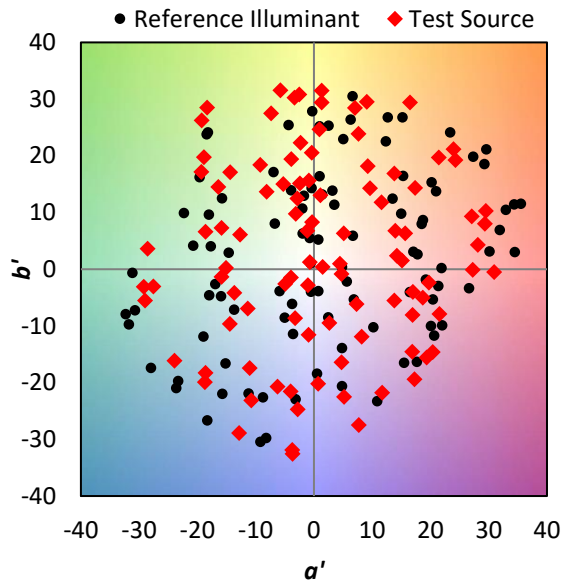
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE\ R_a = 71.9$
 $R_g = -17.8$

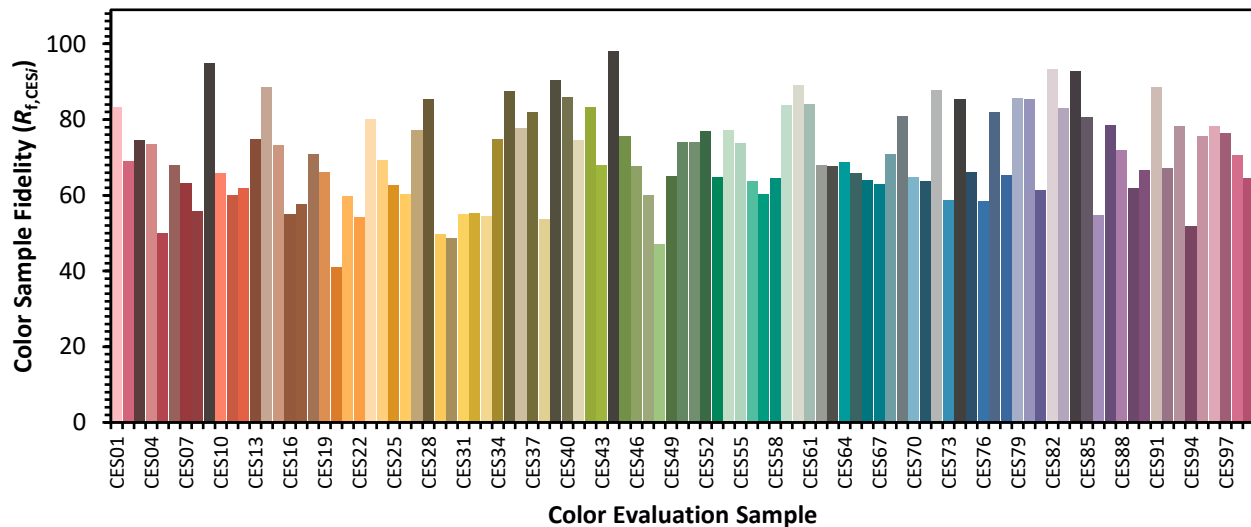


Color Vector Graphics

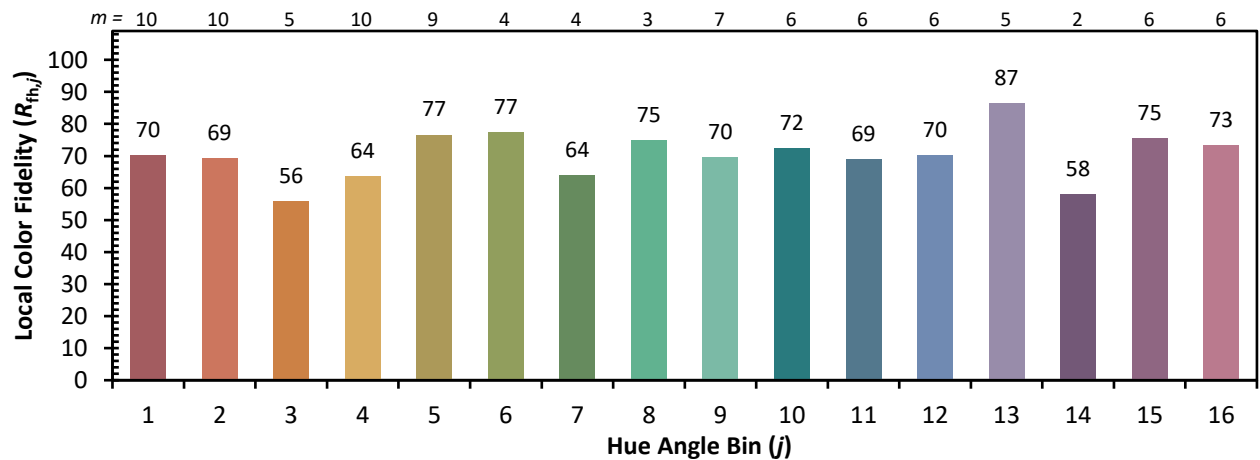
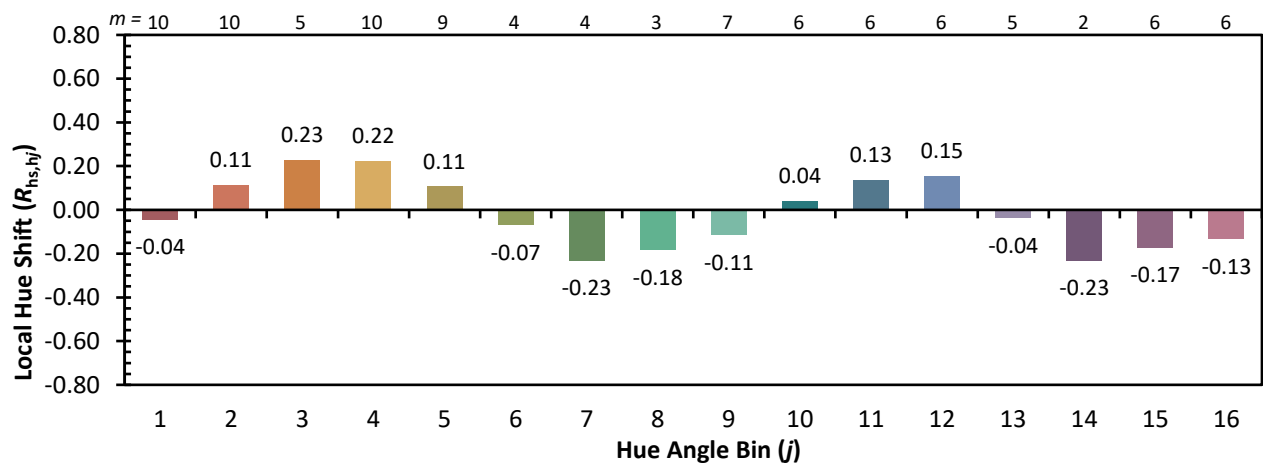
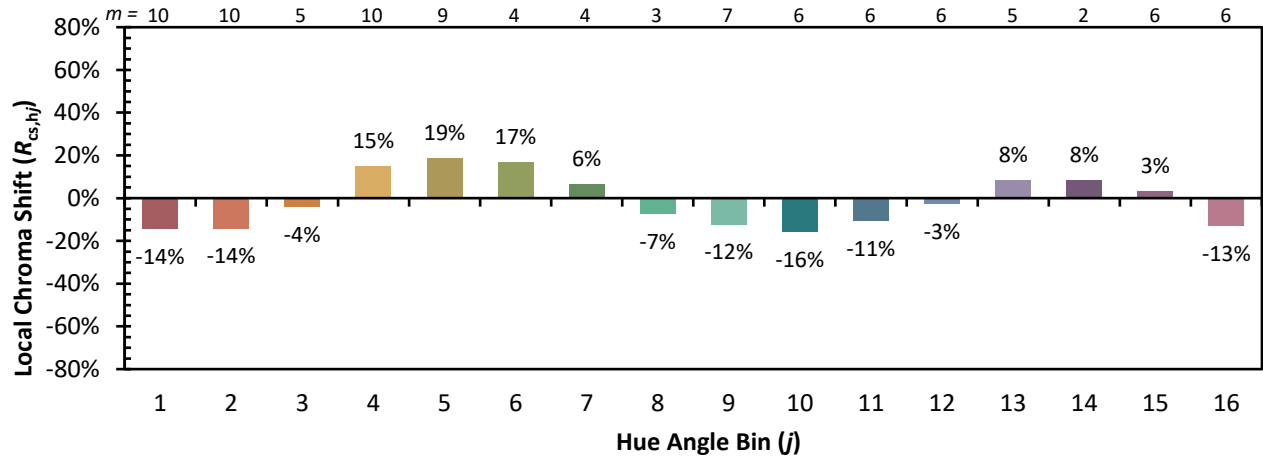


Individual Sample Fidelity Index ($R_{f,i}$)

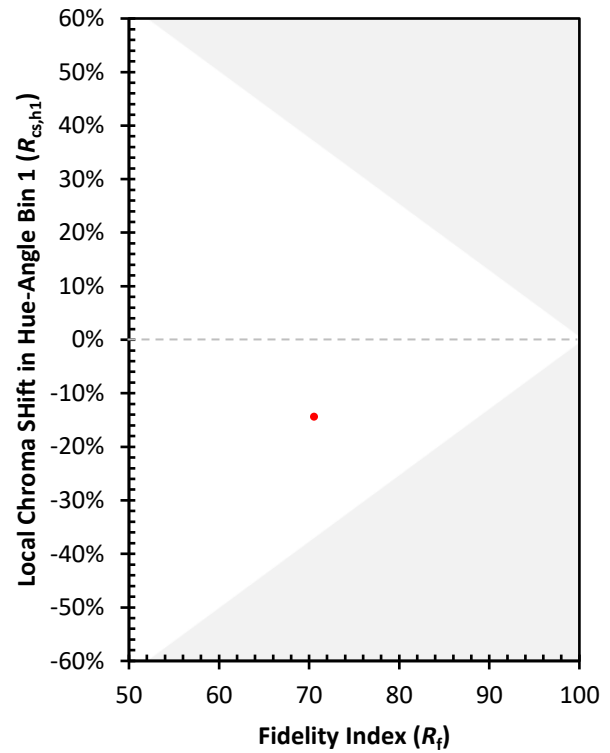
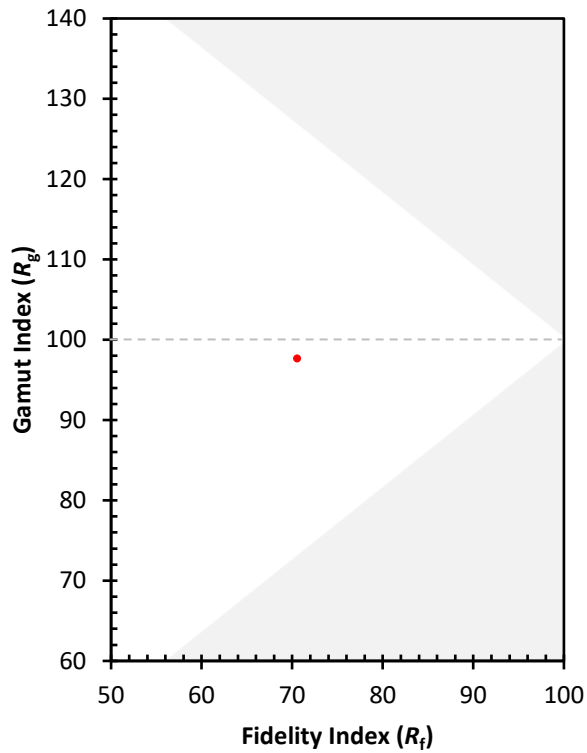
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 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	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)