

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: P991243

Luminaire Tested: **GPC-SA1A-730-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991243
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA1A-730-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 1xLight Square PACKAGE 70CRI
3000K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2947.4 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

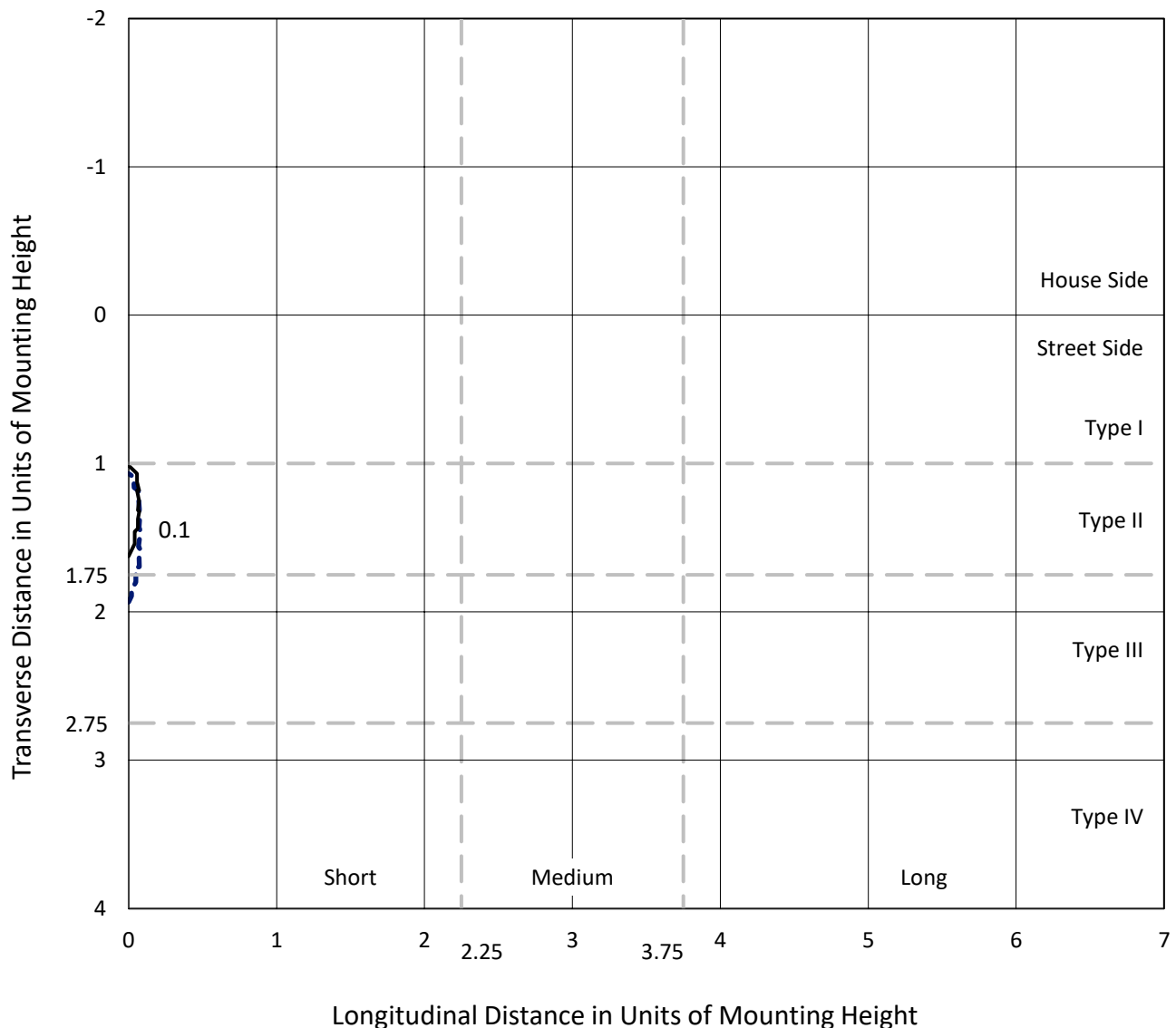
Input Watts (W): 29.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

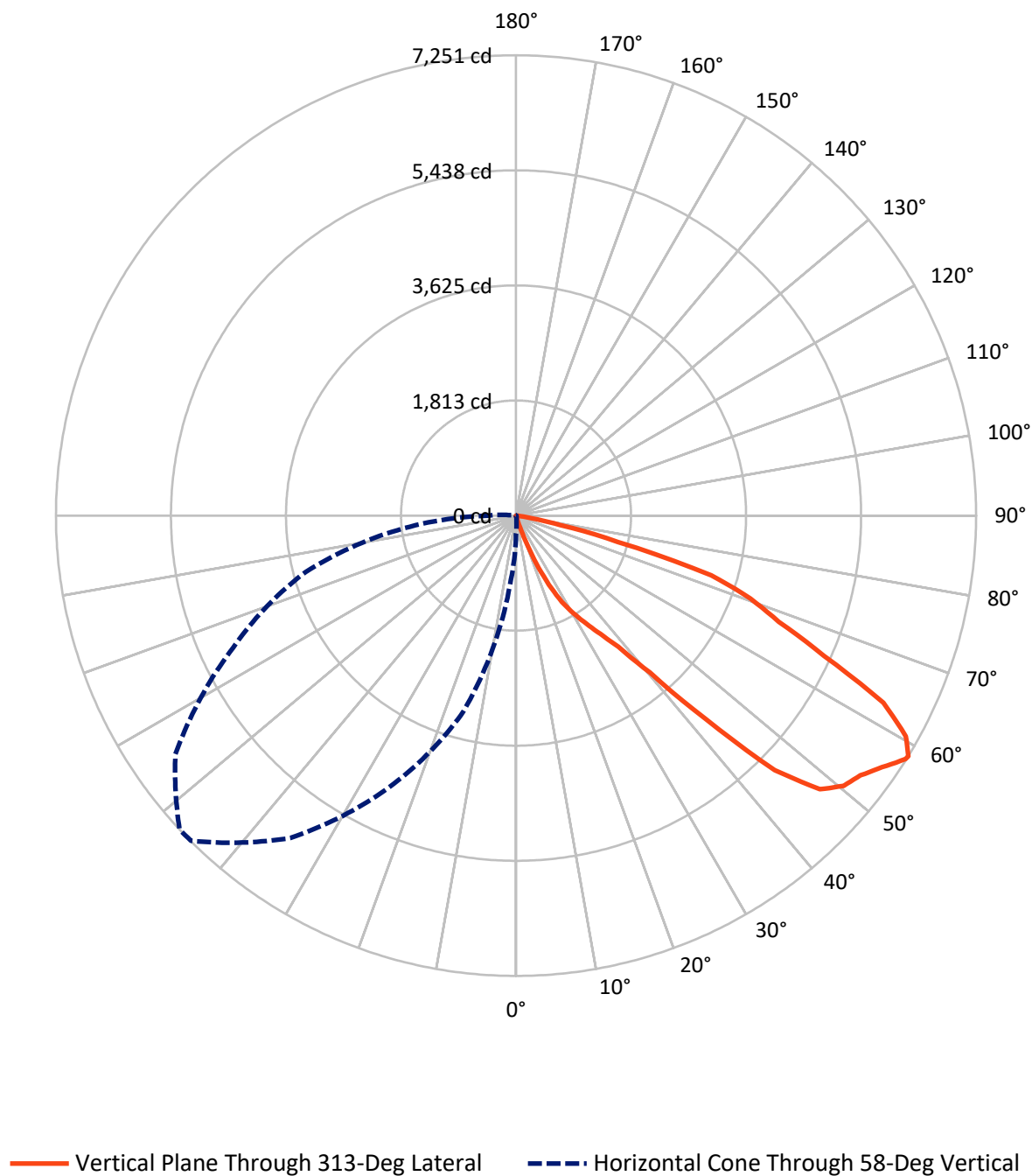


Based on 20 foot mounting height. Maximum calculated value = 0.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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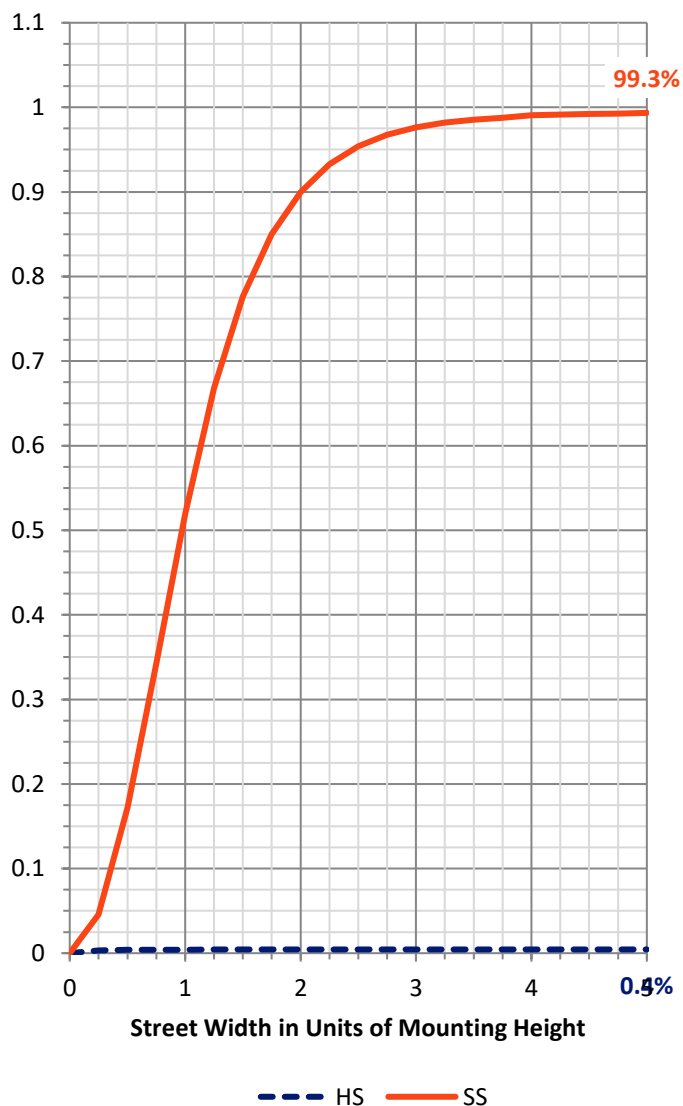
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13.2	0.0	13.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	2934.2	0.0	2934.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	2947.4	0.0	2947.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	5.1	0.2
20°-30°	74.4	2.5
30°-40°	214.0	7.3
40°-50°	609.6	20.7
50°-60°	958.8	32.5
60°-70°	817.6	27.7
70°-80°	260.8	8.8
80°-90°	6.6	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°	2947.4	100.0
0°-180°	2947.4	100.0



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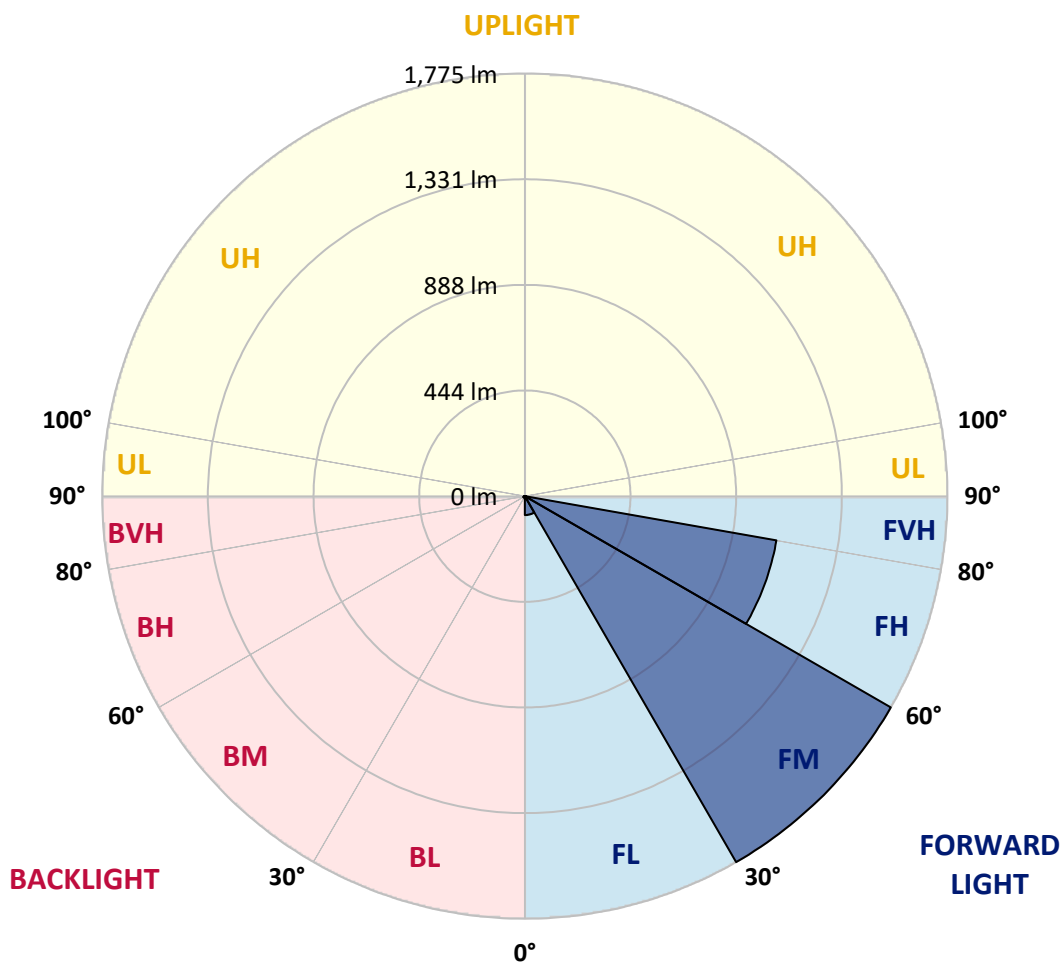
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.5	2.7			
FM	(30°-60°)	1775.3	60.2			
FH	(60°-80°)	1073.2	36.4			G1/1800
FVH	(80°-90°)	6.3	0.2			G0/10
BL	(0°-30°)	0.5	0.0	B0/110		
BM	(30°-60°)	7.1	0.2	B0/220		
BH	(60°-80°)	5.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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°	45°	47°	55°	65°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	10.6	11.2	11.8	11.2	10.0	7.7	7.7	5.9	4.1	2.4	1.8
5°	11.8	11.8	11.8	11.2	10.0	7.7	7.1	5.3	3.5	2.4	1.2
7.5°	13.0	13.0	12.4	11.2	9.4	7.7	7.1	5.3	3.5	1.8	0.0
10°	14.2	14.2	13.0	11.8	9.4	7.1	6.5	4.7	2.9	1.2	0.0
12.5°	15.9	15.3	13.6	11.8	9.4	6.5	6.5	4.7	2.4	0.6	0.0
15°	18.3	16.5	14.2	11.8	8.8	6.5	5.9	4.1	1.8	0.0	0.0
17.5°	20.1	18.3	14.7	11.2	8.3	5.9	5.3	3.5	1.8	0.0	0.0
20°	21.8	18.9	14.7	11.2	8.3	5.3	4.7	2.9	0.6	0.0	0.0
22.5°	24.8	20.1	14.7	11.2	7.7	4.7	4.1	2.4	0.0	0.0	0.0
25°	30.7	21.2	14.7	10.6	7.1	4.1	3.5	1.2	0.0	0.0	0.0
27.5°	37.8	23.0	14.7	10.0	6.5	3.5	2.9	0.6	0.0	0.0	0.0
30°	45.4	24.8	14.7	10.0	5.9	2.9	2.4	0.0	0.0	0.0	0.0
32.5°	53.7	27.1	14.7	9.4	5.3	2.4	1.8	0.0	0.0	0.0	0.0
35°	69.0	30.7	14.7	9.4	4.7	1.8	1.2	0.0	0.0	0.0	0.0
37.5°	76.1	35.4	14.7	8.8	4.7	1.2	0.6	0.0	0.0	0.0	0.0
40°	79.0	34.2	14.2	8.8	4.1	0.6	0.0	0.0	0.0	0.0	0.0
42.5°	85.5	31.9	14.7	8.3	4.1	0.6	0.0	0.0	0.0	0.0	0.0
45°	104.4	31.9	15.9	8.3	3.5	1.2	0.0	0.0	0.0	0.0	0.0
47.5°	181.1	33.0	15.3	8.3	3.5	1.2	0.0	0.0	0.0	0.0	0.0
50°	297.9	38.9	14.7	8.8	4.1	0.6	0.0	0.0	0.0	0.0	0.0
52.5°	345.7	47.2	14.7	9.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	331.5	57.8	14.7	10.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	301.4	54.9	15.9	11.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0
58°	290.2	54.9	15.9	11.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0
60°	227.7	56.0	18.3	13.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	169.3	57.2	20.6	14.7	8.8	0.6	0.0	0.0	0.0	0.0	0.0
65°	125.6	59.6	21.8	17.1	8.3	1.2	0.0	0.0	0.0	0.0	0.0
67.5°	100.3	61.3	23.6	18.9	9.4	2.4	0.6	0.0	0.0	0.0	0.0
70°	86.1	59.0	25.4	19.5	8.8	3.5	1.8	0.0	0.0	0.0	0.0
72.5°	76.7	55.4	28.9	18.9	9.4	3.5	1.8	0.0	0.0	0.0	0.0
75°	69.0	50.7	33.0	18.3	9.4	3.5	2.4	0.0	0.0	0.0	0.0
77.5°	51.9	44.2	32.4	17.7	8.8	3.5	2.4	0.0	0.0	0.0	0.0
80°	26.0	29.5	28.3	15.9	7.1	2.9	2.4	0.6	0.0	0.0	0.0
82.5°	10.6	11.2	14.2	11.8	5.9	2.4	2.4	0.6	0.0	0.0	0.0
85°	1.2	2.4	4.1	4.7	4.1	2.4	2.4	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	2.4	3.5	2.9	1.8	1.2	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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	0.6	1.2	1.2	1.2	1.8	1.8	2.4	2.9	2.9	2.9	3.5
5°	0.0	0.0	0.6	0.6	1.2	1.8	2.4	3.5	4.1	4.1	4.7
7.5°	0.0	0.0	0.0	0.6	1.2	1.8	2.4	3.5	4.7	5.3	5.9
10°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	4.1	5.9	7.1	8.3
12.5°	0.0	0.0	0.0	0.0	0.0	0.6	2.4	4.7	7.1	8.8	10.0
15°	0.0	0.0	0.0	0.0	0.0	0.6	2.4	4.7	8.8	10.6	13.0
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.3	10.0	13.0	17.7
20°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.3	11.2	15.9	26.5
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.3	12.4	20.6	49.0
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.3	14.2	30.7	81.4
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.9	17.1	43.1	119.2
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.9	21.2	58.4	166.3
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	5.9	24.8	73.7	226.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	29.5	97.9	284.3
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	36.6	107.9	333.3
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	34.8	117.4	389.3
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	31.9	131.0	477.2
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	31.9	173.4	671.9
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	38.9	270.2	1027.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	50.1	414.7	1462.3
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	60.8	510.2	1714.7
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	73.1	510.8	1706.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	81.4	457.1	1540.1
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	80.8	442.4	1494.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	5.9	70.8	384.0	1304.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.4	61.9	275.5	1081.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	10.6	56.6	200.0	811.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.9	12.4	54.3	141.6	564.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	14.2	50.1	101.5	371.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	17.7	47.2	79.6	224.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	22.4	41.3	64.9	120.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	24.2	34.2	47.2	73.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	6.5	21.8	24.8	20.6	24.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	13.0	5.3	5.3	8.3
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):

	285°	295°	305°	313°	315°	325°	335°	345°	355°	360°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	4.1	4.1	4.1	4.1	4.7	4.7	6.5	8.3	10.0	10.6
5°	5.3	5.9	6.5	6.5	6.5	7.1	8.3	9.4	11.2	11.8
7.5°	7.7	8.3	9.4	9.4	9.4	10.0	10.6	11.8	13.0	13.0
10°	10.0	11.8	12.4	13.0	13.6	13.6	13.6	14.2	14.7	14.2
12.5°	13.6	15.9	18.9	19.5	19.5	19.5	18.9	17.7	16.5	15.9
15°	18.9	26.0	35.4	38.9	37.2	33.0	28.9	22.4	19.5	18.3
17.5°	34.8	70.8	128.6	142.2	139.2	119.7	70.2	34.2	23.0	20.1
20°	93.8	228.9	377.5	413.5	432.4	358.0	207.0	79.6	28.3	21.8
22.5°	202.3	475.4	736.7	829.9	835.8	672.4	402.9	161.6	40.7	24.8
25°	325.6	760.3	1116.6	1206.9	1208.6	1036.4	644.1	261.9	61.9	30.7
27.5°	499.0	1065.9	1464.6	1539.6	1538.4	1363.8	930.8	399.9	86.7	37.8
30°	676.6	1304.2	1694.1	1787.3	1796.1	1587.3	1170.3	563.3	113.3	45.4
32.5°	852.4	1480.6	1903.5	2027.4	2019.7	1784.9	1337.2	697.2	158.7	53.7
35°	991.0	1631.0	2135.3	2287.5	2293.4	2002.0	1485.3	827.0	197.6	69.0
37.5°	1109.5	1825.1	2443.8	2619.6	2627.3	2272.2	1640.4	954.4	231.2	76.1
40°	1255.8	2143.6	2954.6	3253.1	3254.3	2775.9	1919.4	1097.2	276.6	79.0
42.5°	1584.4	2826.1	3952.7	4381.5	4418.7	3821.2	2553.5	1406.8	348.0	85.5
45°	2241.5	3725.6	5225.6	5719.4	5766.5	5121.8	3640.7	2121.8	504.9	104.4
47.5°	3023.1	4507.8	5965.3	6440.8	6472.0	5737.1	4368.6	2948.7	859.4	181.1
50°	3503.8	4797.4	6237.3	6690.9	6696.2	5939.4	4596.8	3378.2	1224.6	297.9
52.5°	3653.0	4834.6	6247.9	6796.5	6811.8	5915.8	4628.1	3464.9	1376.8	345.7
55°	3592.3	4812.7	6360.0	6998.2	7014.7	6011.9	4606.9	3369.9	1305.4	331.5
57.5°	3453.7	4897.7	6544.0	7237.7	7237.7	6189.5	4685.3	3210.6	1130.8	301.4
58°	3433.0	4918.9	6554.0	7250.7	7245.3	6200.7	4717.8	3187.6	1092.4	290.2
60°	3404.7	4984.4	6479.7	7058.9	7043.6	6121.6	4776.7	3167.0	906.6	227.7
62.5°	3363.4	4836.9	5938.2	6495.0	6455.5	5567.8	4607.5	3046.1	676.6	169.3
65°	3151.7	4292.5	4950.2	5335.9	5323.6	4580.3	3965.7	2728.7	487.2	125.6
67.5°	2656.8	3360.5	3998.7	4463.5	4466.5	3739.2	3101.5	2180.7	331.5	100.3
70°	1868.7	2478.6	3399.4	3916.7	3940.3	3136.3	2297.5	1453.4	218.8	86.1
72.5°	1116.0	1872.2	2826.6	3219.5	3207.1	2602.5	1704.7	866.5	133.3	76.7
75°	540.9	1119.0	1428.7	1656.9	1647.5	1301.8	908.4	424.7	97.3	69.0
77.5°	146.9	343.9	553.3	719.6	739.1	521.4	297.9	113.8	60.8	51.9
80°	49.5	106.2	180.5	245.4	251.9	225.3	112.1	40.1	26.5	26.0
82.5°	18.9	26.0	33.0	29.5	29.5	30.7	24.2	17.1	12.4	10.6
85°	0.0	0.0	0.6	1.2	1.2	1.8	1.8	1.8	1.2	1.2
87.5°	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

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

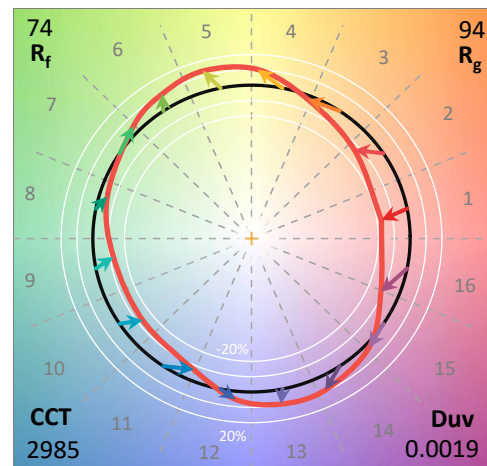
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

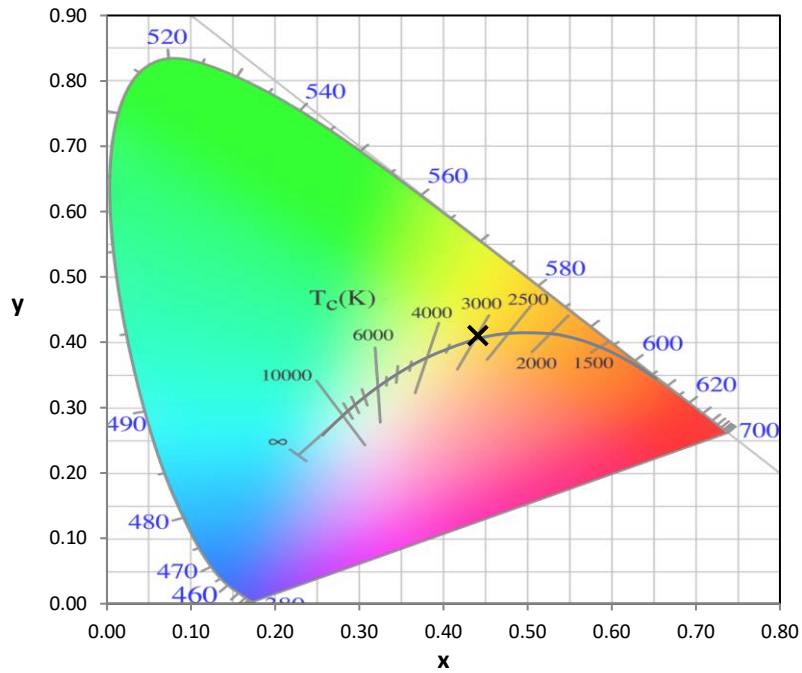
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

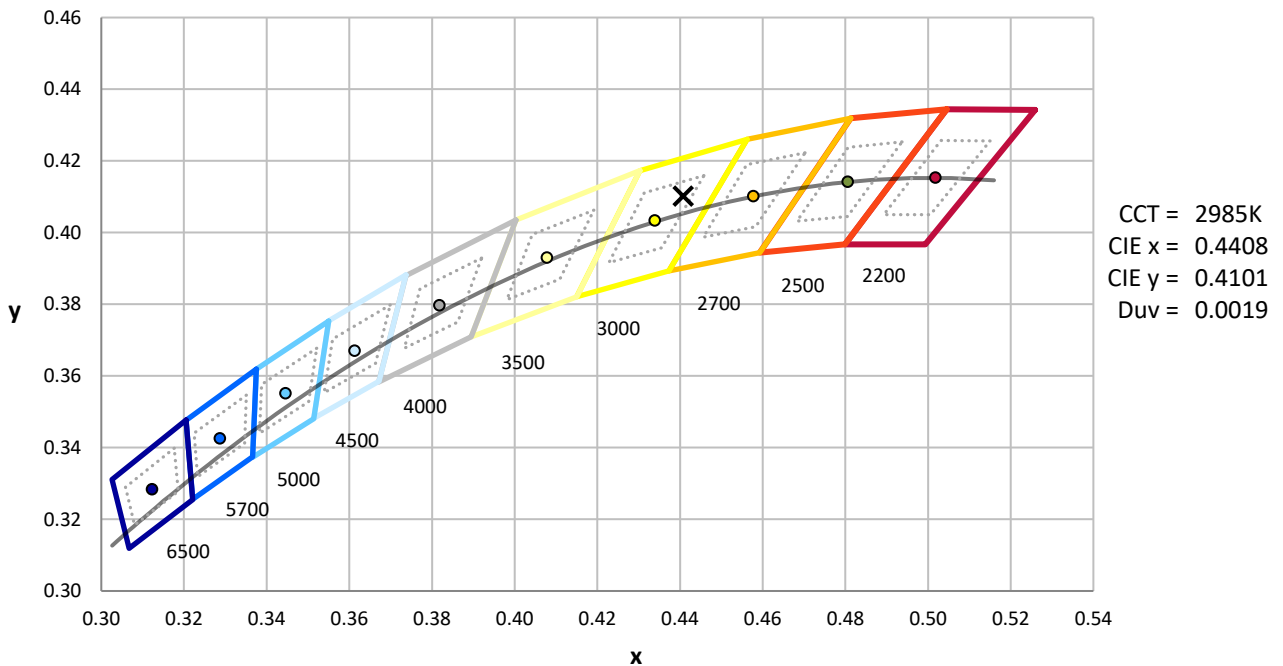
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



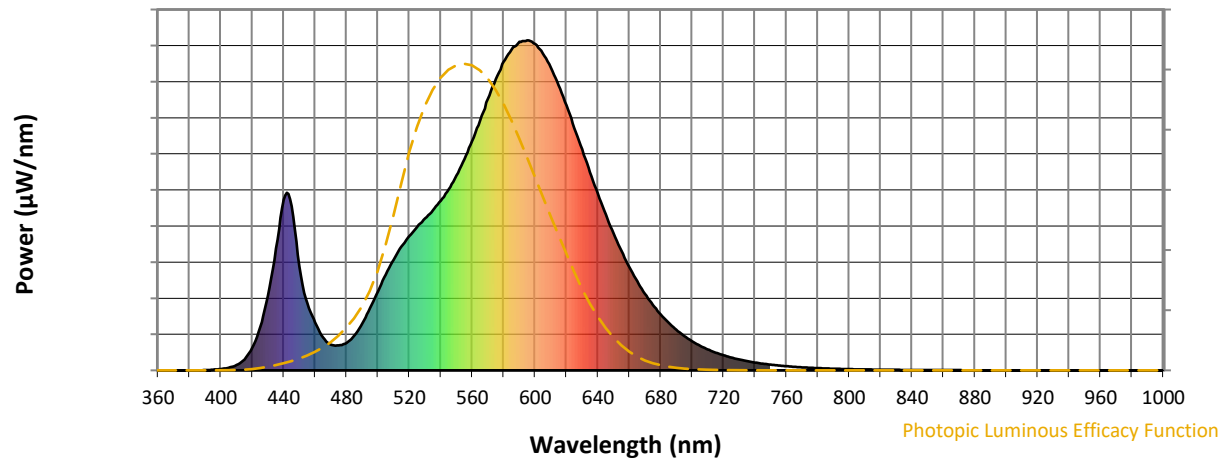
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

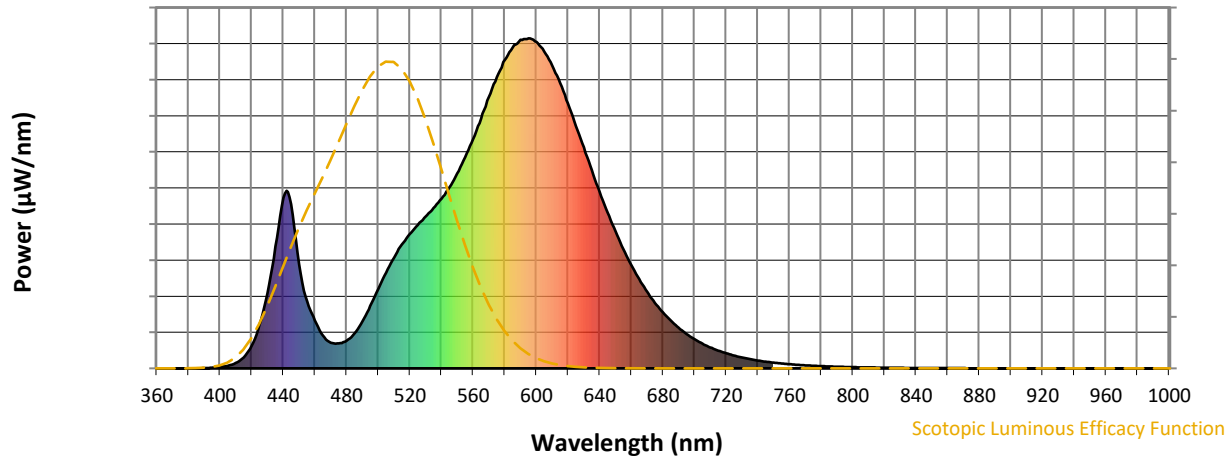


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



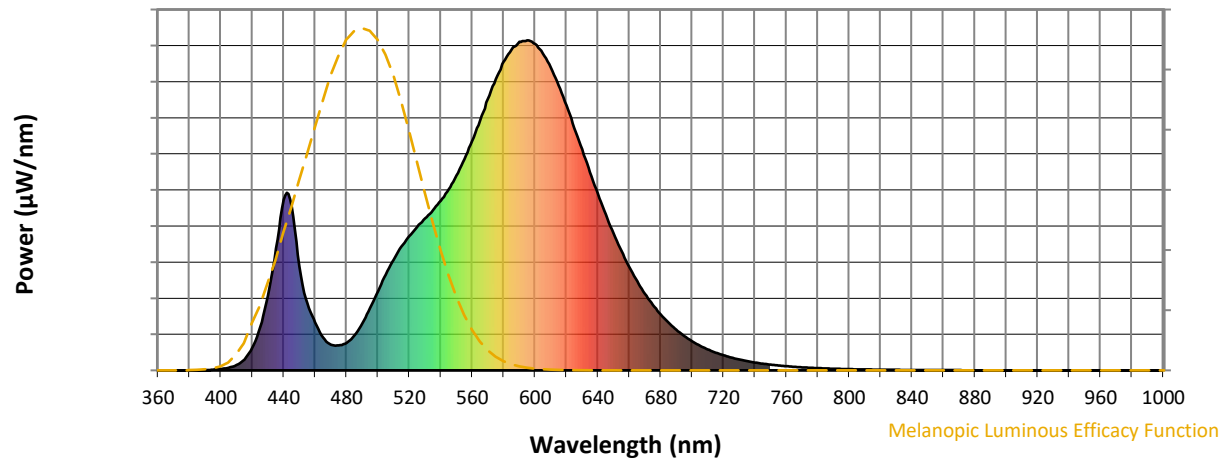
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

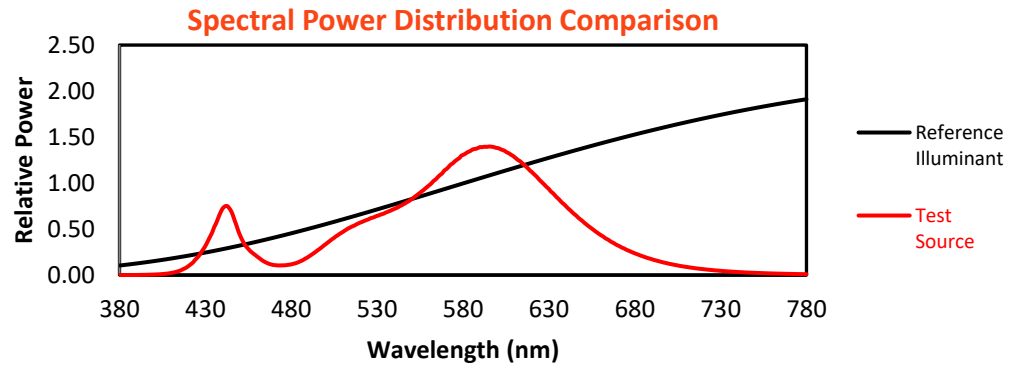
Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

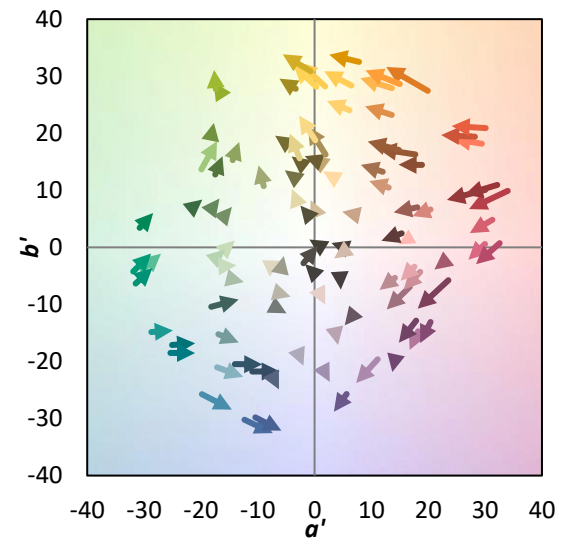
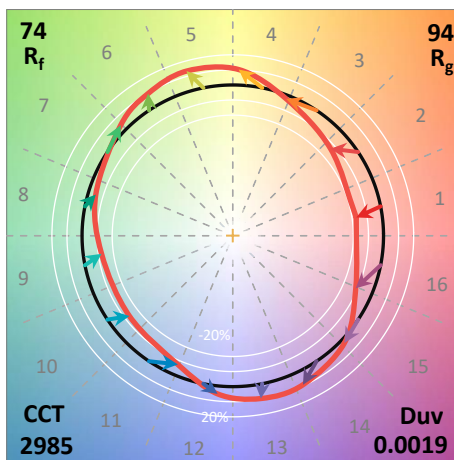
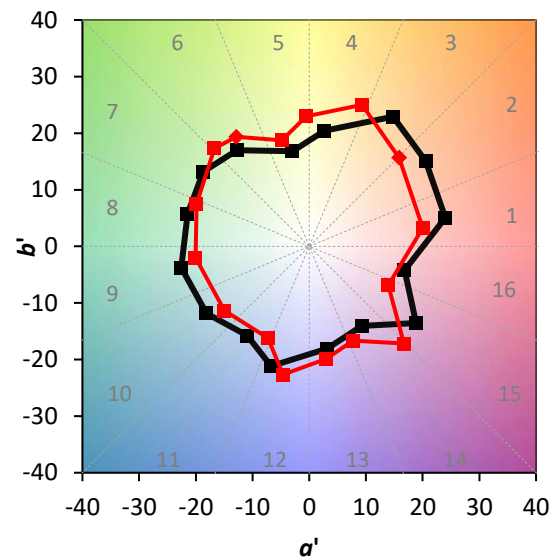
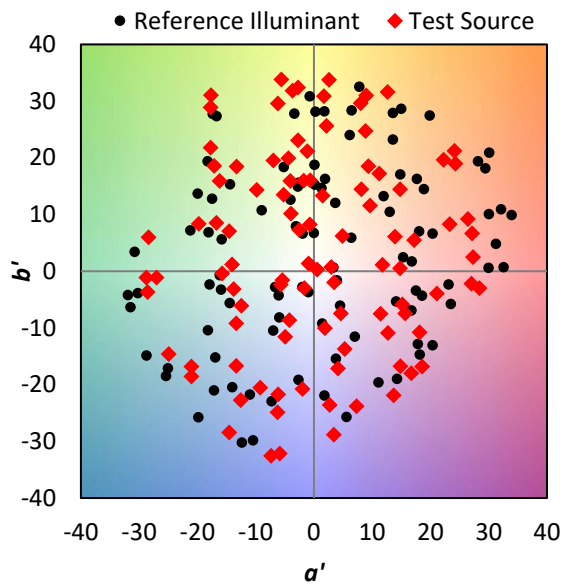
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

Summary

$R_f = 73.8$
 $R_g = 94.4$
 CIE $R_a = 70.8$
 $R_g = -43.2$

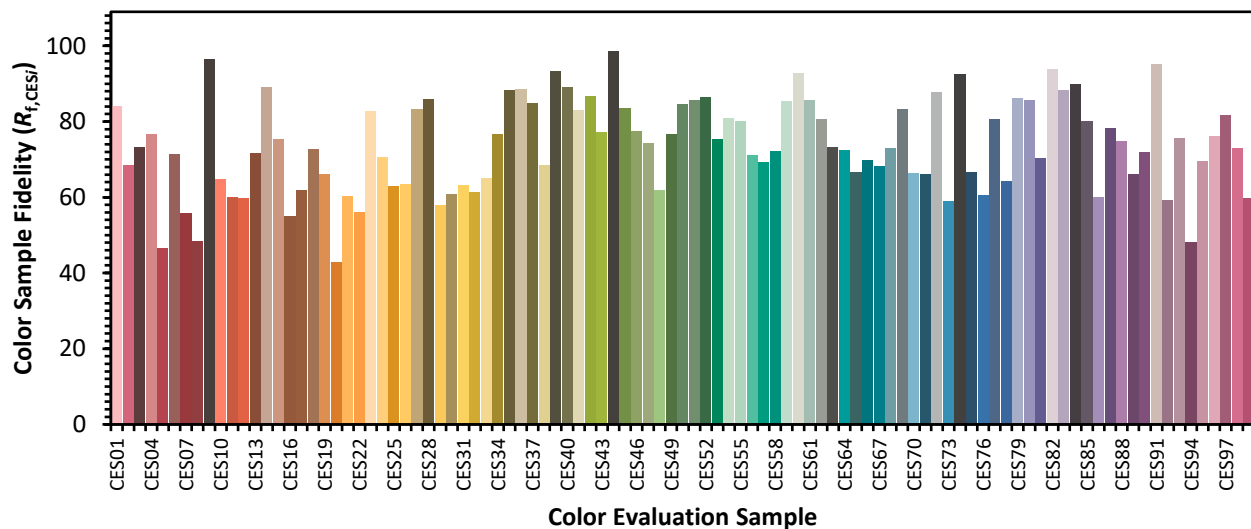


Color Vector Graphics

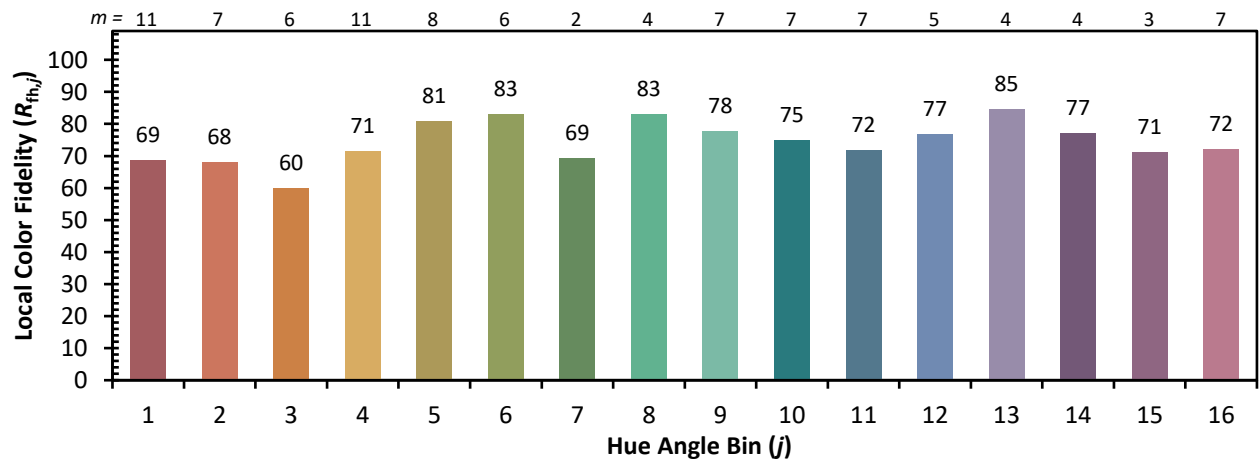
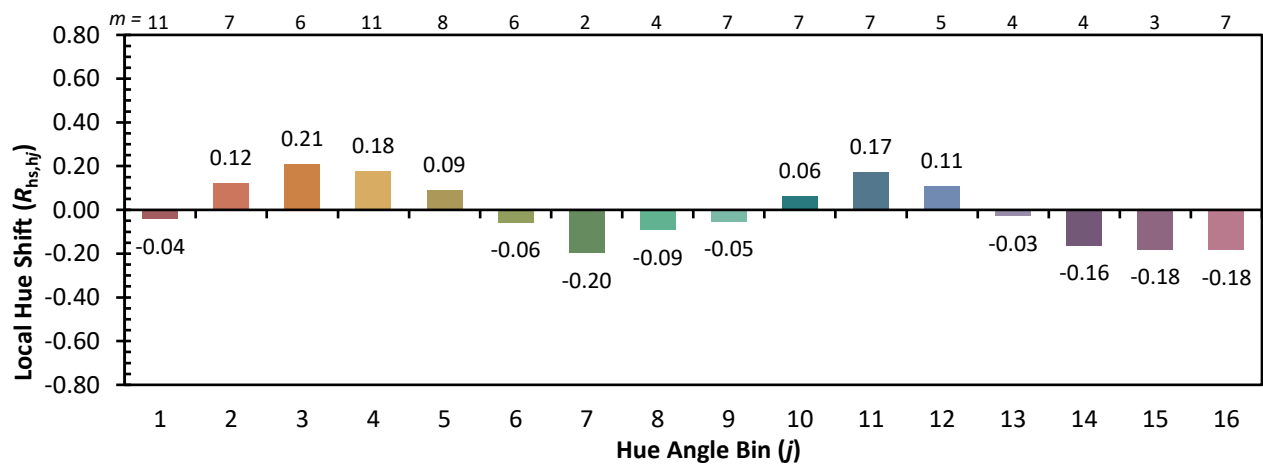
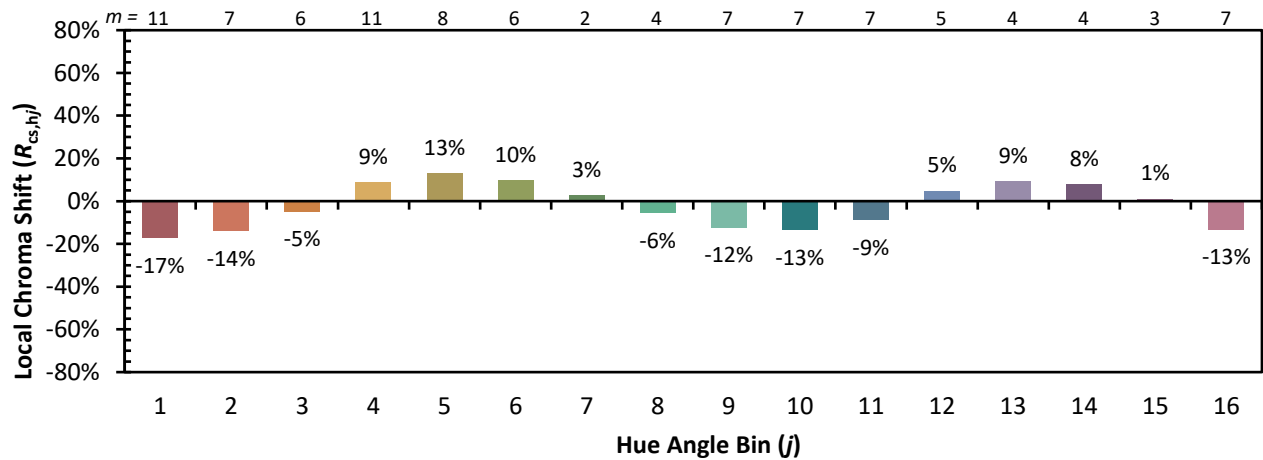


Individual Sample Fidelity Index ($R_{f,i}$)

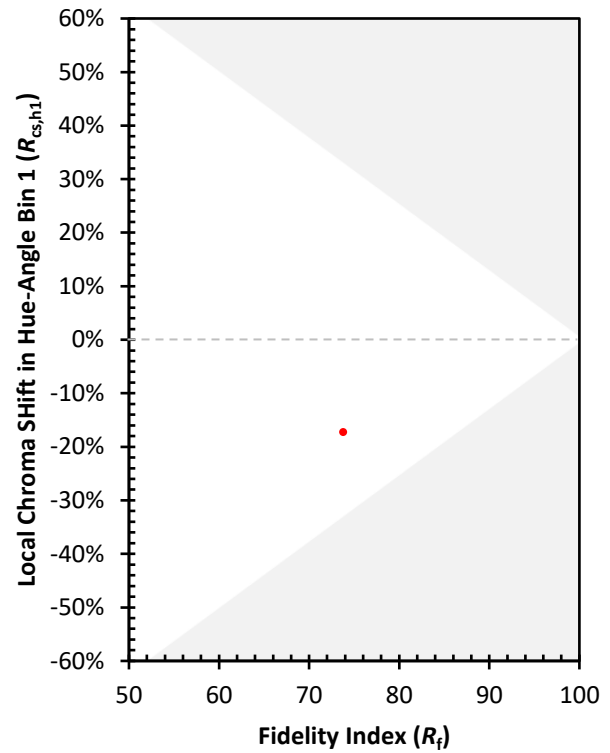
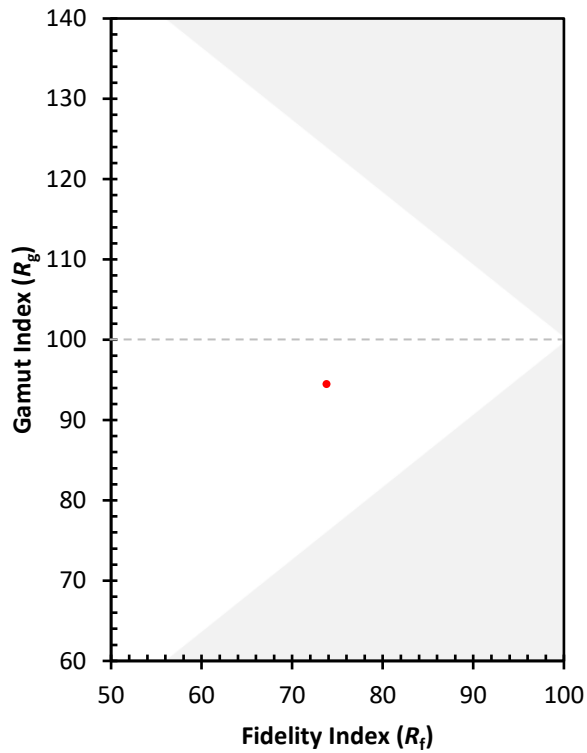
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)