

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: P991251

Luminaire Tested: **GPC-SA1A-735-U-RBC**

Issue Date: 07/03/2025

Test Information

Test Method: LM-79-08
Report Number: P991251
Test Lab: INNOVATION CENTER(G1)
Issue Date: 07/03/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GPC-SA1A-735-U-RBC
Description: GALLEON PEDESTRAIAN COMPANION 615mA 1xLight Square PACKAGE 70CRI
3500K FIXTURE w/ RIGHT CORNER BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3038 lumens
Efficiency: N/A
Efficacy: 103.3 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

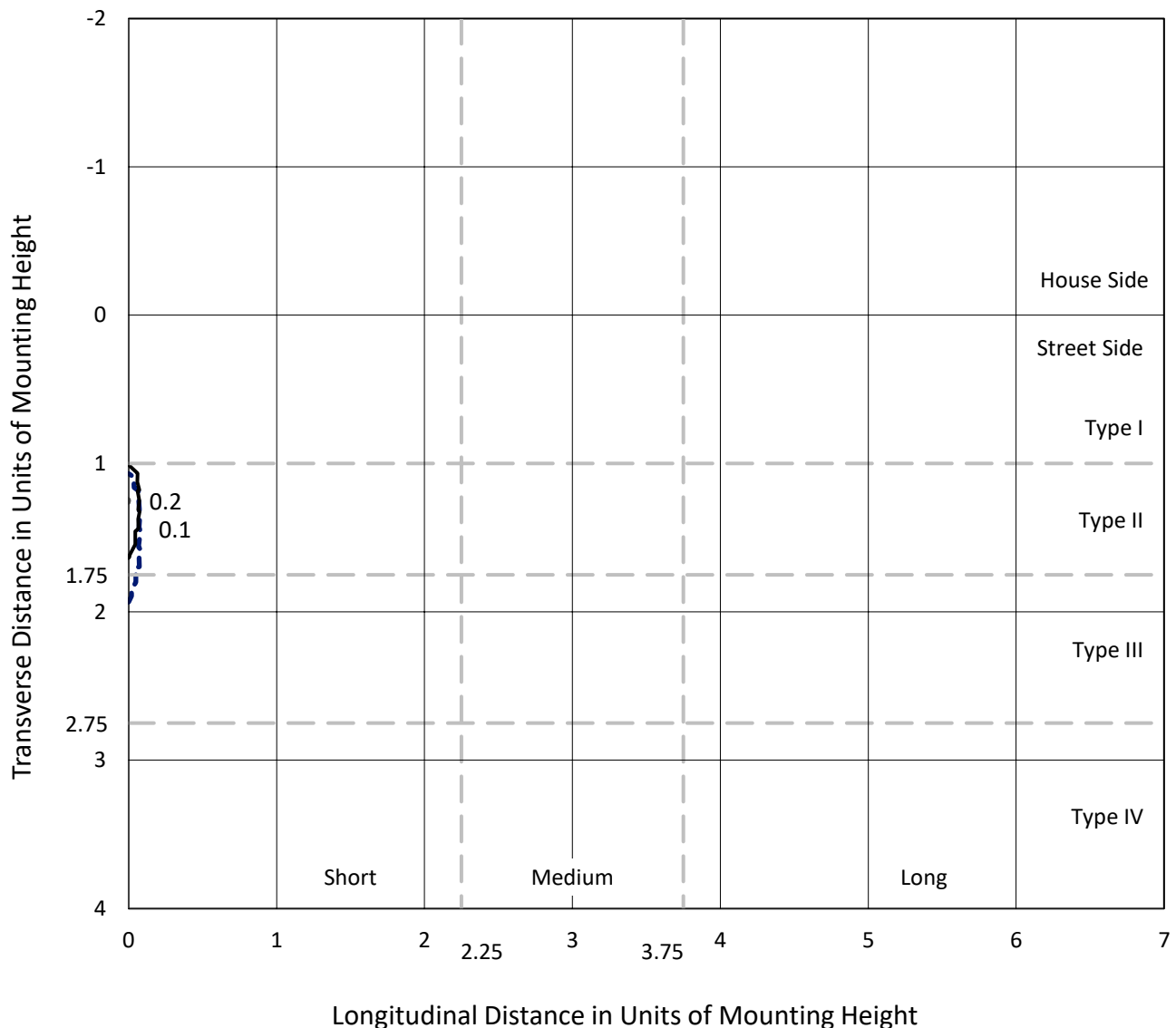
Input Watts (W): 29.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

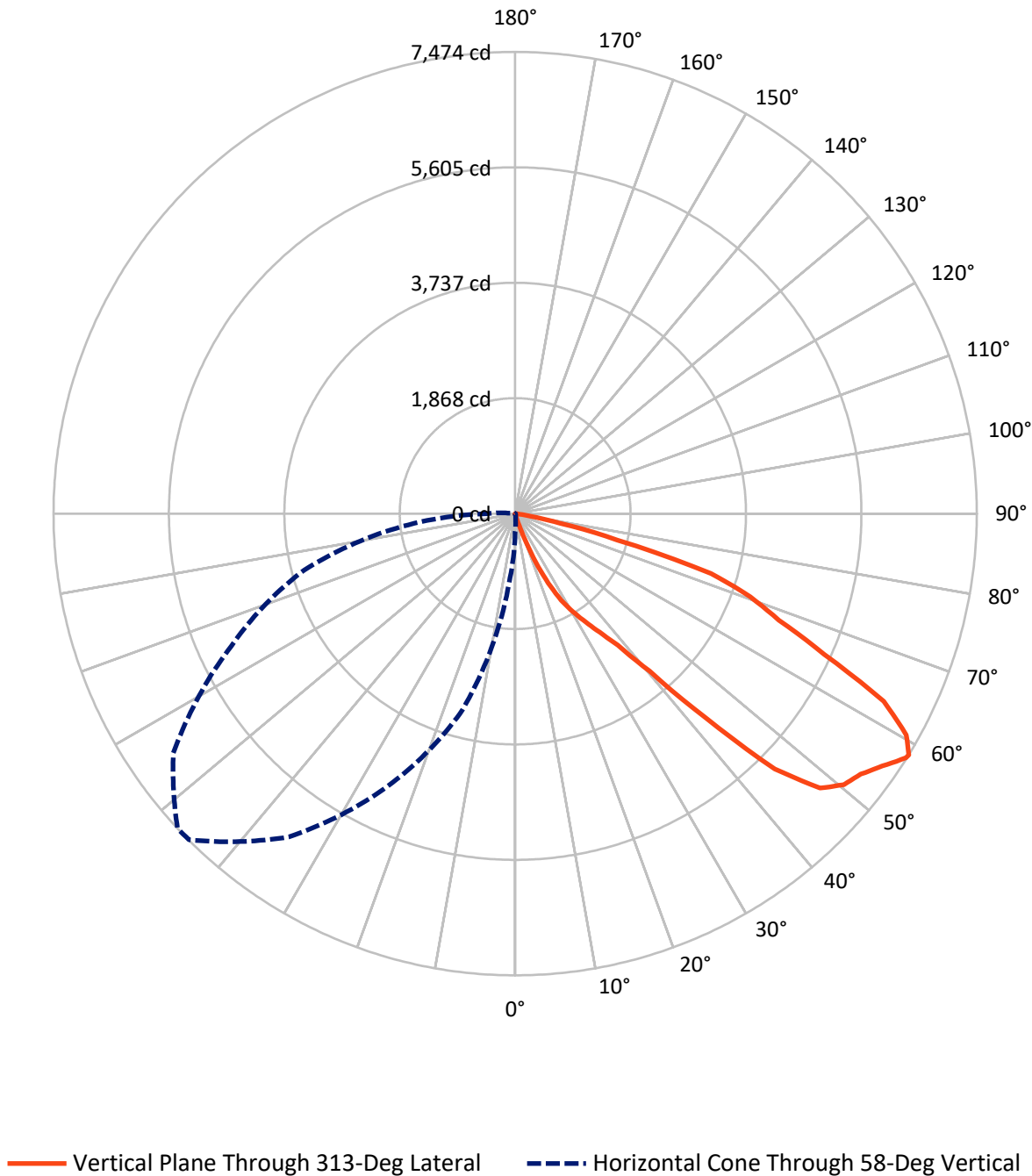
× Max cd
 - - - 1/2 Max cd



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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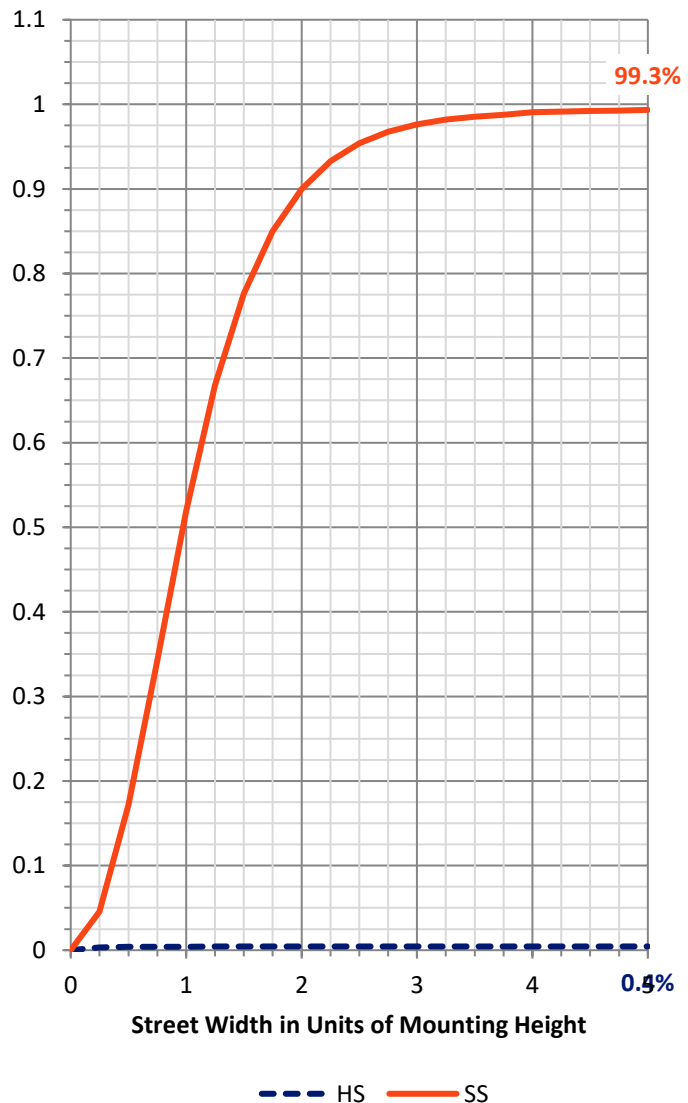
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13.6	0.0	13.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3024.4	0.0	3024.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	3038.0	0.0	3038.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	5.3	0.2
20°-30°	76.7	2.5
30°-40°	220.6	7.3
40°-50°	628.3	20.7
50°-60°	988.3	32.5
60°-70°	842.8	27.7
70°-80°	268.8	8.8
80°-90°	6.8	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°	3038.0	100.0
0°-180°	3038.0	100.0



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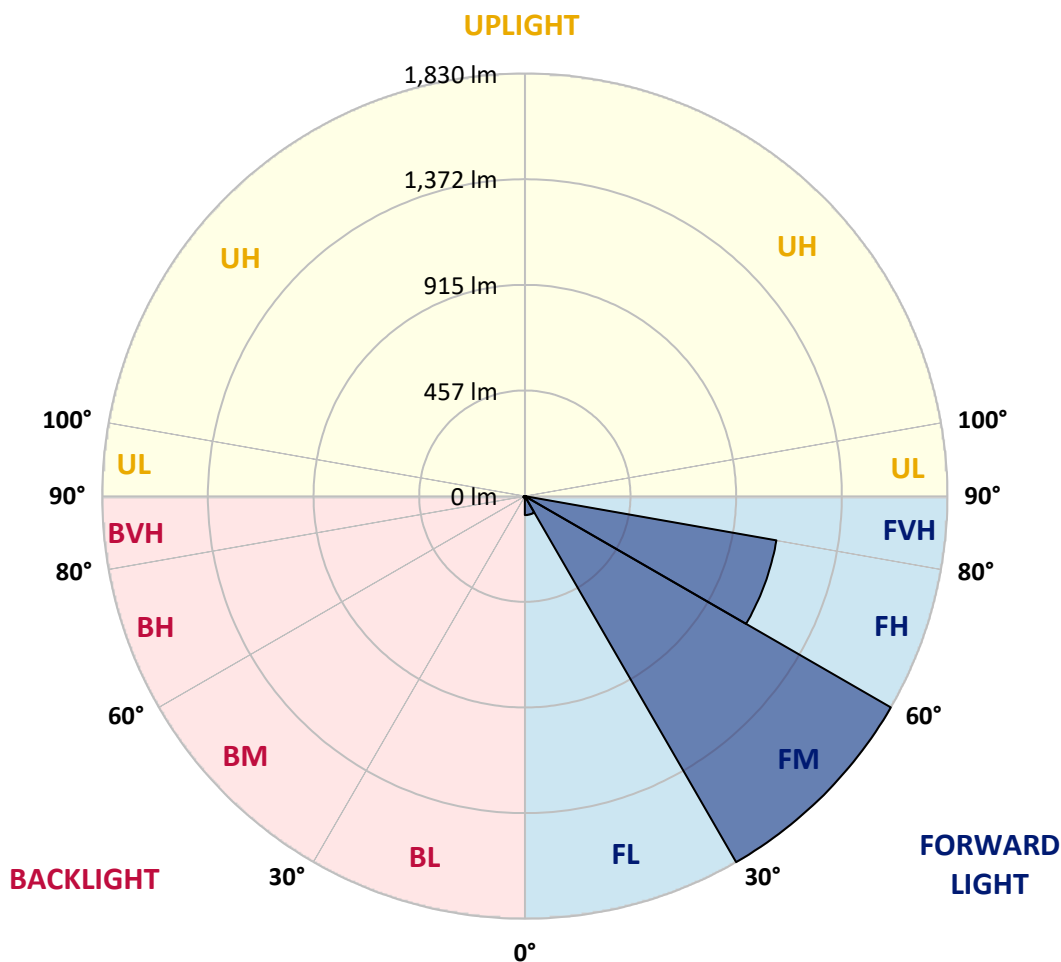
CATALOG NUMBER: GPC-SA1A-735-U-RBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.9	2.7			
FM	(30°-60°)	1829.8	60.2			
FH	(60°-80°)	1106.2	36.4			G1/1800
FVH	(80°-90°)	6.5	0.2			G0/10
BL	(0°-30°)	0.5	0.0	B0/110		
BM	(30°-60°)	7.3	0.2	B0/220		
BH	(60°-80°)	5.4	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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	10.9	11.6	12.2	11.6	10.3	7.9	7.9	6.1	4.3	2.4	1.8
5°	12.2	12.2	12.2	11.6	10.3	7.9	7.3	5.5	3.6	2.4	1.2
7.5°	13.4	13.4	12.8	11.6	9.7	7.9	7.3	5.5	3.6	1.8	0.0
10°	14.6	14.6	13.4	12.2	9.7	7.3	6.7	4.9	3.0	1.2	0.0
12.5°	16.4	15.8	14.0	12.2	9.7	6.7	6.7	4.9	2.4	0.6	0.0
15°	18.8	17.0	14.6	12.2	9.1	6.7	6.1	4.3	1.8	0.0	0.0
17.5°	20.7	18.8	15.2	11.6	8.5	6.1	5.5	3.6	1.8	0.0	0.0
20°	22.5	19.5	15.2	11.6	8.5	5.5	4.9	3.0	0.6	0.0	0.0
22.5°	25.5	20.7	15.2	11.6	7.9	4.9	4.3	2.4	0.0	0.0	0.0
25°	31.6	21.9	15.2	10.9	7.3	4.3	3.6	1.2	0.0	0.0	0.0
27.5°	38.9	23.7	15.2	10.3	6.7	3.6	3.0	0.6	0.0	0.0	0.0
30°	46.8	25.5	15.2	10.3	6.1	3.0	2.4	0.0	0.0	0.0	0.0
32.5°	55.3	28.0	15.2	9.7	5.5	2.4	1.8	0.0	0.0	0.0	0.0
35°	71.1	31.6	15.2	9.7	4.9	1.8	1.2	0.0	0.0	0.0	0.0
37.5°	78.4	36.5	15.2	9.1	4.9	1.2	0.6	0.0	0.0	0.0	0.0
40°	81.5	35.3	14.6	9.1	4.3	0.6	0.0	0.0	0.0	0.0	0.0
42.5°	88.2	32.8	15.2	8.5	4.3	0.6	0.0	0.0	0.0	0.0	0.0
45°	107.6	32.8	16.4	8.5	3.6	1.2	0.0	0.0	0.0	0.0	0.0
47.5°	186.7	34.0	15.8	8.5	3.6	1.2	0.0	0.0	0.0	0.0	0.0
50°	307.0	40.1	15.2	9.1	4.3	0.6	0.0	0.0	0.0	0.0	0.0
52.5°	356.3	48.6	15.2	9.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0
55°	341.7	59.6	15.2	10.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	310.7	56.5	16.4	12.2	8.5	0.0	0.0	0.0	0.0	0.0	0.0
58°	299.1	56.5	16.4	12.2	8.5	0.0	0.0	0.0	0.0	0.0	0.0
60°	234.7	57.8	18.8	13.4	9.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	174.5	59.0	21.3	15.2	9.1	0.6	0.0	0.0	0.0	0.0	0.0
65°	129.5	61.4	22.5	17.6	8.5	1.2	0.0	0.0	0.0	0.0	0.0
67.5°	103.4	63.2	24.3	19.5	9.7	2.4	0.6	0.0	0.0	0.0	0.0
70°	88.8	60.8	26.1	20.1	9.1	3.6	1.8	0.0	0.0	0.0	0.0
72.5°	79.0	57.2	29.8	19.5	9.7	3.6	1.8	0.0	0.0	0.0	0.0
75°	71.1	52.3	34.0	18.8	9.7	3.6	2.4	0.0	0.0	0.0	0.0
77.5°	53.5	45.6	33.4	18.2	9.1	3.6	2.4	0.0	0.0	0.0	0.0
80°	26.8	30.4	29.2	16.4	7.3	3.0	2.4	0.6	0.0	0.0	0.0
82.5°	10.9	11.6	14.6	12.2	6.1	2.4	2.4	0.6	0.0	0.0	0.0
85°	1.2	2.4	4.3	4.9	4.3	2.4	2.4	0.6	0.0	0.0	0.0
87.5°	0.0	0.6	2.4	3.6	3.0	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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	0.6	1.2	1.2	1.2	1.8	1.8	2.4	3.0	3.0	3.0	3.6
5°	0.0	0.0	0.6	0.6	1.2	1.8	2.4	3.6	4.3	4.3	4.9
7.5°	0.0	0.0	0.0	0.6	1.2	1.8	2.4	3.6	4.9	5.5	6.1
10°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	4.3	6.1	7.3	8.5
12.5°	0.0	0.0	0.0	0.0	0.0	0.6	2.4	4.9	7.3	9.1	10.3
15°	0.0	0.0	0.0	0.0	0.0	0.6	2.4	4.9	9.1	10.9	13.4
17.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.5	10.3	13.4	18.2
20°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.5	11.6	16.4	27.4
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	5.5	12.8	21.3	50.5
25°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	5.5	14.6	31.6	83.9
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.1	17.6	44.4	122.8
30°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	6.1	21.9	60.2	171.5
32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.1	25.5	76.0	233.5
35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	30.4	100.9	293.1
37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	37.7	111.3	343.5
40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	35.9	121.0	401.3
42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	32.8	135.0	491.9
45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	32.8	178.8	692.5
47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	40.1	278.5	1058.5
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	51.7	427.4	1507.2
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	62.6	525.9	1767.4
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	75.4	526.5	1758.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	83.9	471.2	1587.5
58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	83.3	456.0	1540.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	6.1	73.0	395.8	1344.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.7	63.8	283.9	1114.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	10.9	58.4	206.1	836.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.1	12.8	55.9	145.9	581.9
70°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	14.6	51.7	104.6	383.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	18.2	48.6	82.1	231.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	23.1	42.6	66.9	124.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.3	24.9	35.3	48.6	75.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	6.7	22.5	25.5	21.3	25.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	13.4	5.5	5.5	8.5
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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	4.3	4.9	4.9	6.7	8.5	10.3	10.9
5°	5.5	6.1	6.7	6.7	6.7	7.3	8.5	9.7	11.6	12.2
7.5°	7.9	8.5	9.7	9.7	9.7	10.3	10.9	12.2	13.4	13.4
10°	10.3	12.2	12.8	13.4	14.0	14.0	14.0	14.6	15.2	14.6
12.5°	14.0	16.4	19.5	20.1	20.1	20.1	19.5	18.2	17.0	16.4
15°	19.5	26.8	36.5	40.1	38.3	34.0	29.8	23.1	20.1	18.8
17.5°	35.9	73.0	132.5	146.5	143.5	123.4	72.4	35.3	23.7	20.7
20°	96.7	235.9	389.1	426.2	445.7	369.1	213.4	82.1	29.2	22.5
22.5°	208.5	490.0	759.4	855.5	861.5	693.1	415.3	166.6	42.0	25.5
25°	335.6	783.7	1150.9	1244.0	1245.8	1068.3	663.9	270.0	63.8	31.6
27.5°	514.4	1098.7	1509.7	1586.9	1585.7	1405.7	959.4	412.2	89.4	38.9
30°	697.4	1344.3	1746.2	1842.2	1851.4	1636.1	1206.3	580.6	116.7	46.8
32.5°	878.6	1526.1	1962.0	2089.7	2081.8	1839.8	1378.3	718.7	163.6	55.3
35°	1021.4	1681.1	2201.0	2357.8	2363.9	2063.5	1530.9	852.4	203.7	71.1
37.5°	1143.6	1881.1	2518.9	2700.1	2708.0	2342.0	1690.8	983.7	238.3	78.4
40°	1294.4	2209.5	3045.5	3353.1	3354.3	2861.2	1978.4	1130.9	285.2	81.5
42.5°	1633.1	2912.9	4074.2	4516.2	4554.5	3938.6	2632.0	1450.1	358.7	88.2
45°	2310.4	3840.1	5386.2	5895.1	5943.8	5279.2	3752.6	2187.0	520.4	107.6
47.5°	3116.0	4646.3	6148.7	6638.7	6670.9	5913.4	4502.8	3039.4	885.9	186.7
50°	3611.5	4944.8	6429.0	6896.5	6902.0	6121.9	4738.1	3482.0	1262.2	307.0
52.5°	3765.3	4983.1	6439.9	7005.3	7021.2	6097.6	4770.3	3571.4	1419.1	356.3
55°	3702.7	4960.7	6555.4	7213.3	7230.3	6196.7	4748.5	3473.5	1345.5	341.7
57.5°	3559.8	5048.2	6745.1	7460.1	7460.1	6379.7	4829.3	3309.3	1165.5	310.7
58°	3538.5	5070.1	6755.5	7473.5	7468.0	6391.3	4862.8	3285.6	1126.0	299.1
60°	3509.4	5137.6	6678.9	7275.9	7260.1	6309.8	4923.6	3264.3	934.5	234.7
62.5°	3466.8	4985.6	6120.7	6694.7	6653.9	5738.9	4749.1	3139.7	697.4	174.5
65°	3248.5	4424.4	5102.3	5499.9	5487.2	4721.1	4087.6	2812.6	502.2	129.5
67.5°	2738.4	3463.8	4121.6	4600.7	4603.8	3854.1	3196.8	2247.8	341.7	103.4
70°	1926.1	2554.8	3503.9	4037.1	4061.4	3232.7	2368.1	1498.1	225.6	88.8
72.5°	1150.3	1929.8	2913.5	3318.4	3305.7	2682.5	1757.1	893.1	137.4	79.0
75°	557.5	1153.4	1472.6	1707.9	1698.1	1341.9	936.3	437.8	100.3	71.1
77.5°	151.4	354.5	570.3	741.8	761.8	537.5	307.0	117.3	62.6	53.5
80°	51.1	109.4	186.0	252.9	259.6	232.3	115.5	41.3	27.4	26.8
82.5°	19.5	26.8	34.0	30.4	30.4	31.6	24.9	17.6	12.8	10.9
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

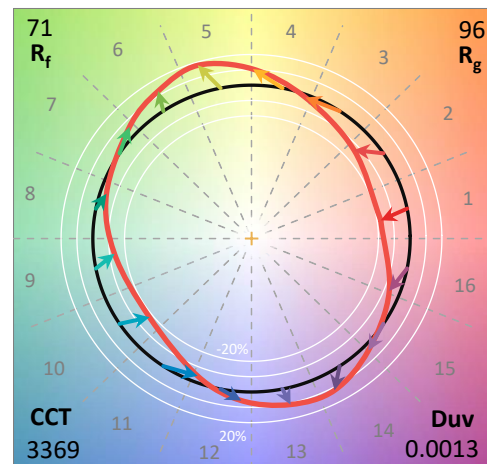
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3369
 CIE u' : 0.2386
 CIE v' : 0.5156
 Duv: 0.0013
 CIE x: 0.4143
 CIE y: 0.3980
 CIE z: 0.1877
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 43.80166
 R_f: 71.4
 R_g: 96

CRI (Ra): 70.1
 R1: 66.6
 R2: 77.6
 R3: 88.5
 R4: 69.5
 R5: 66.4
 R6: 69.6
 R7: 77.5
 R8: 44.9
 R9: -40.2
 R10: 49.1
 R11: 66.3
 R12: 45.7
 R13: 68.0
 R14: 93.4
 R15: 57.6



Test Conditions

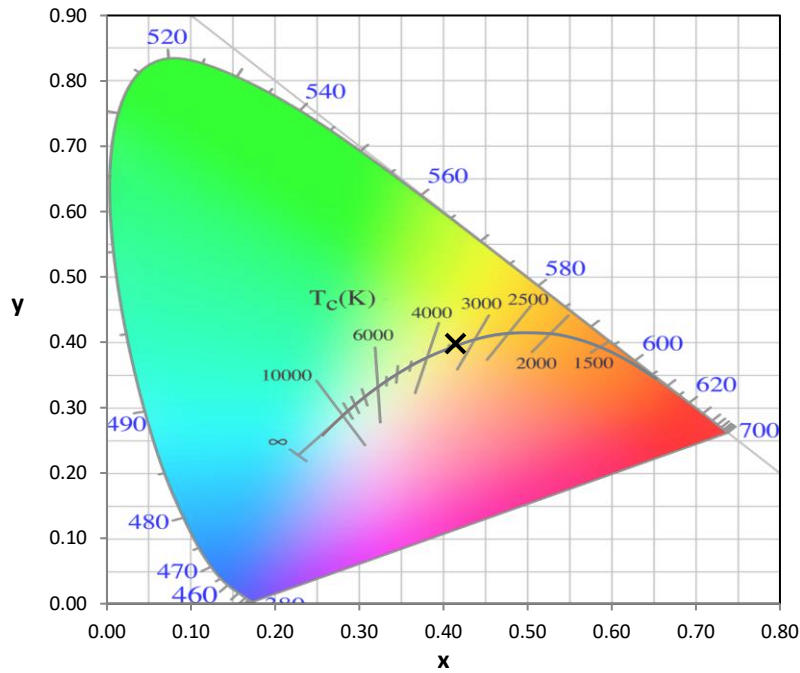
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

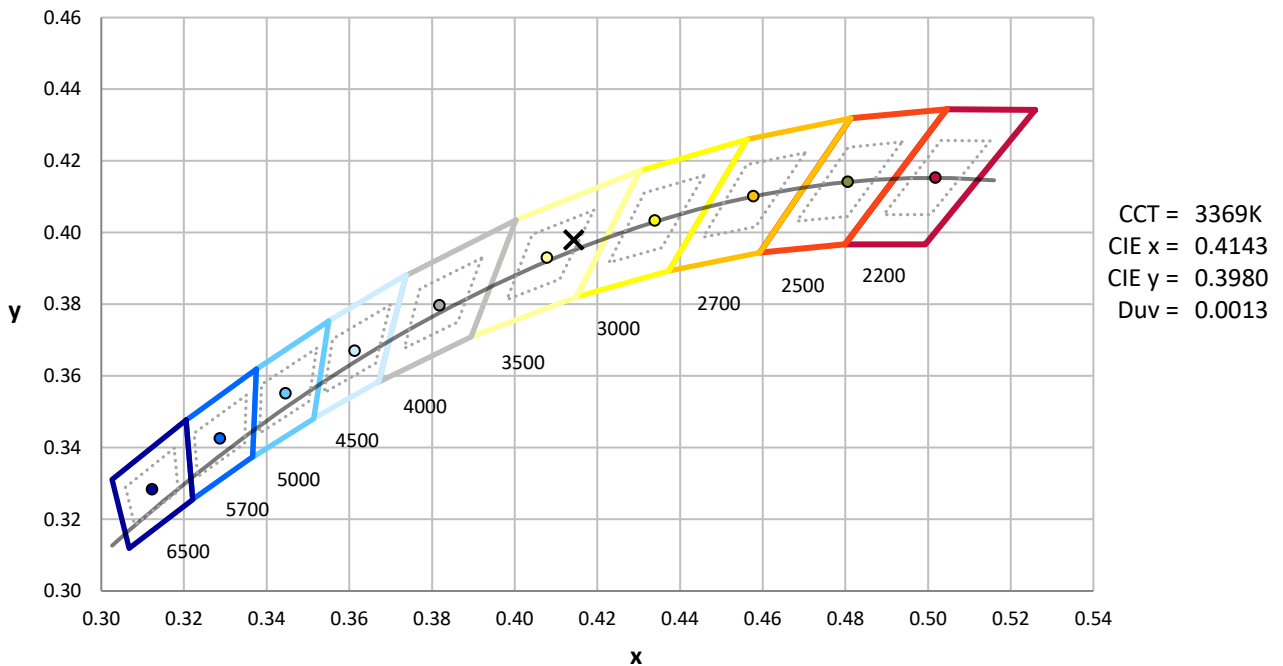
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram

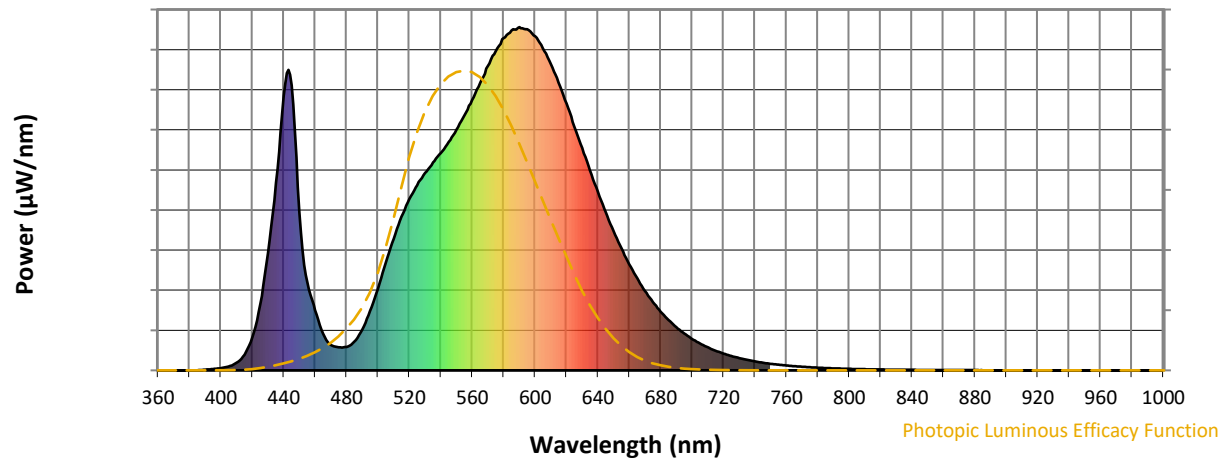


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

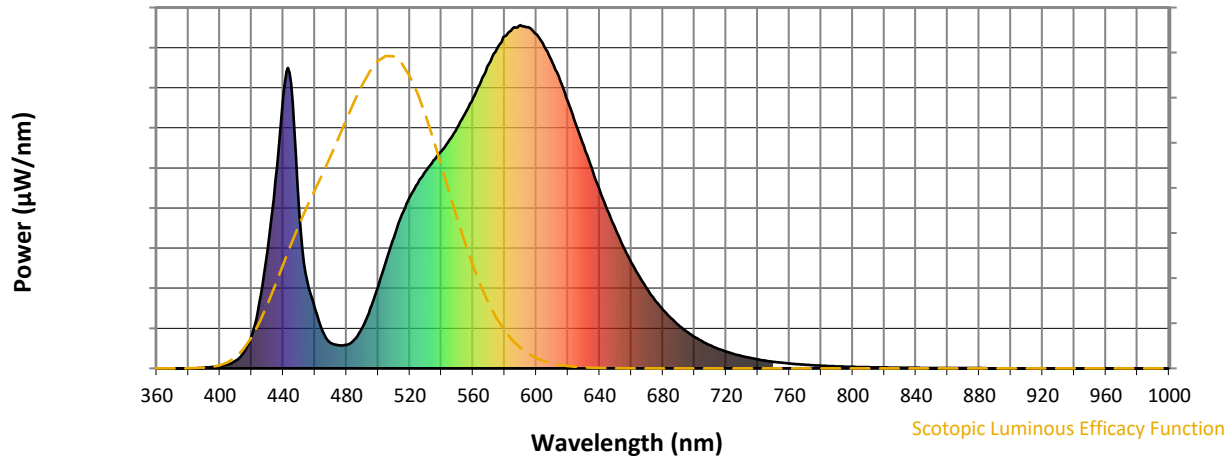


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

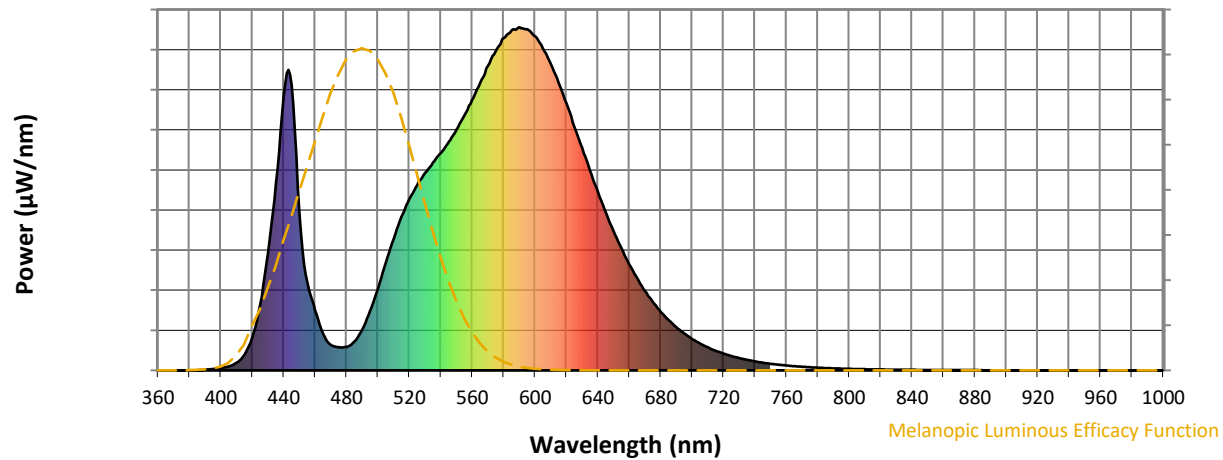
Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

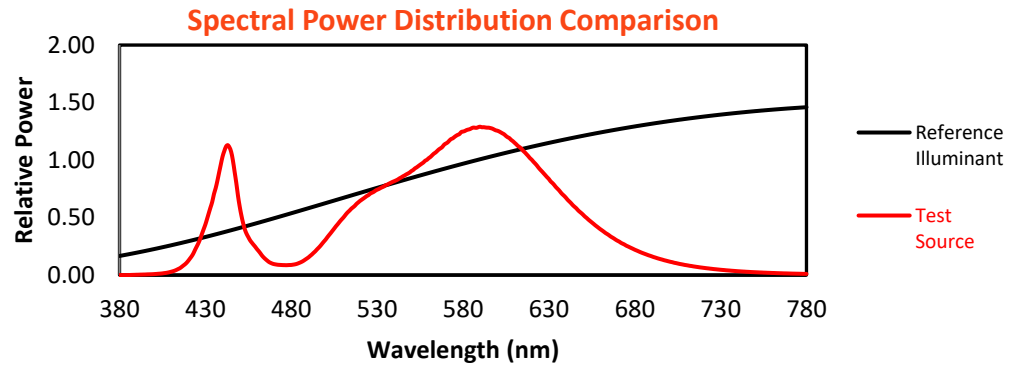
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

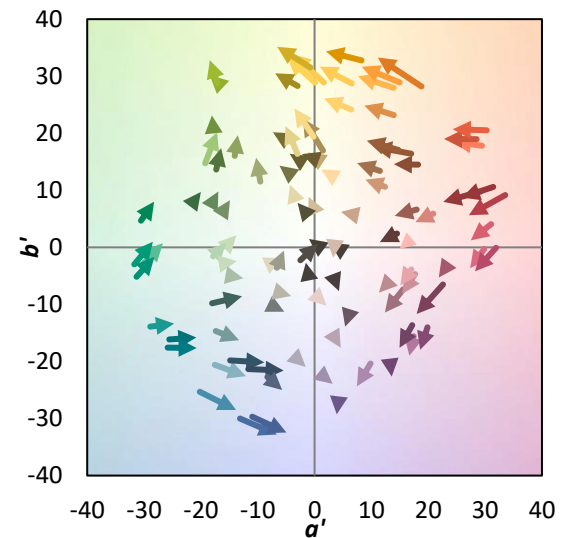
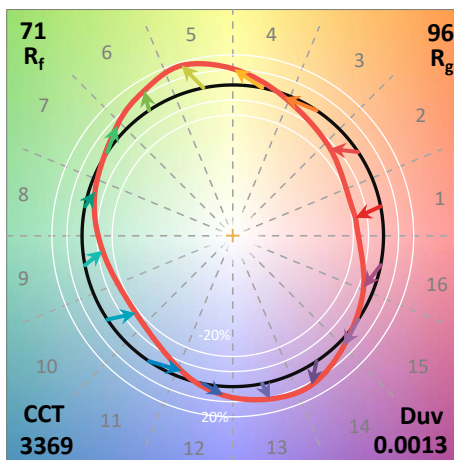
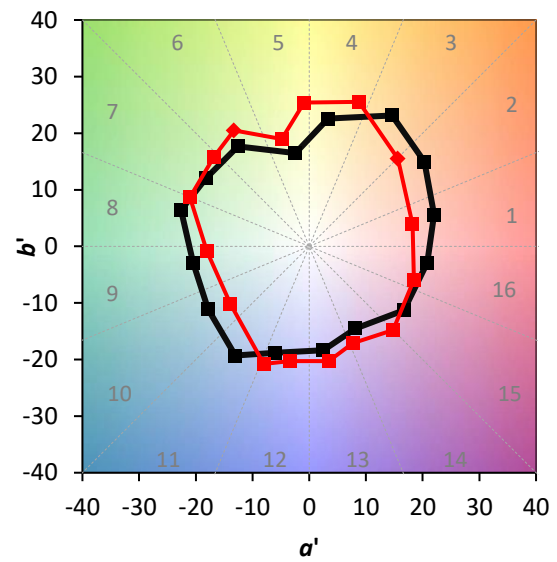
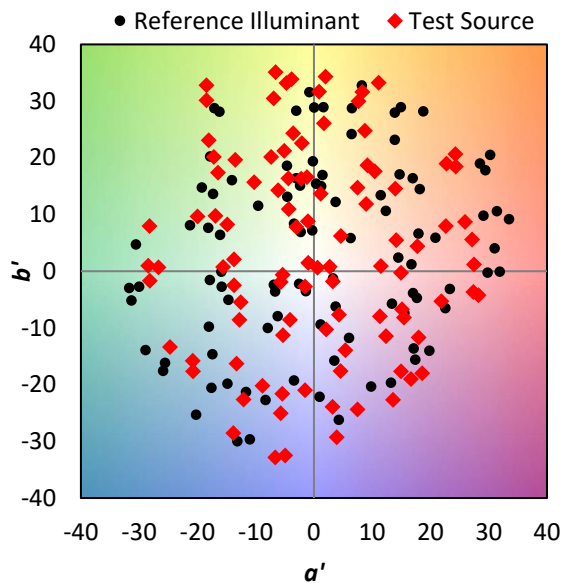
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 $CIE R_a = 70.1$
 $R_g = -40.2$

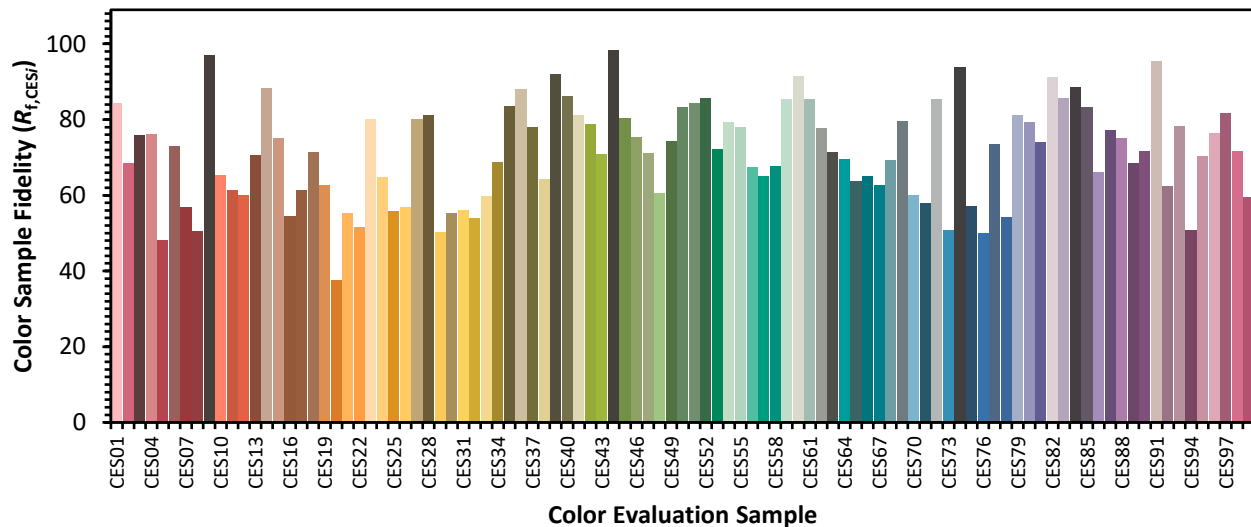


Color Vector Graphics

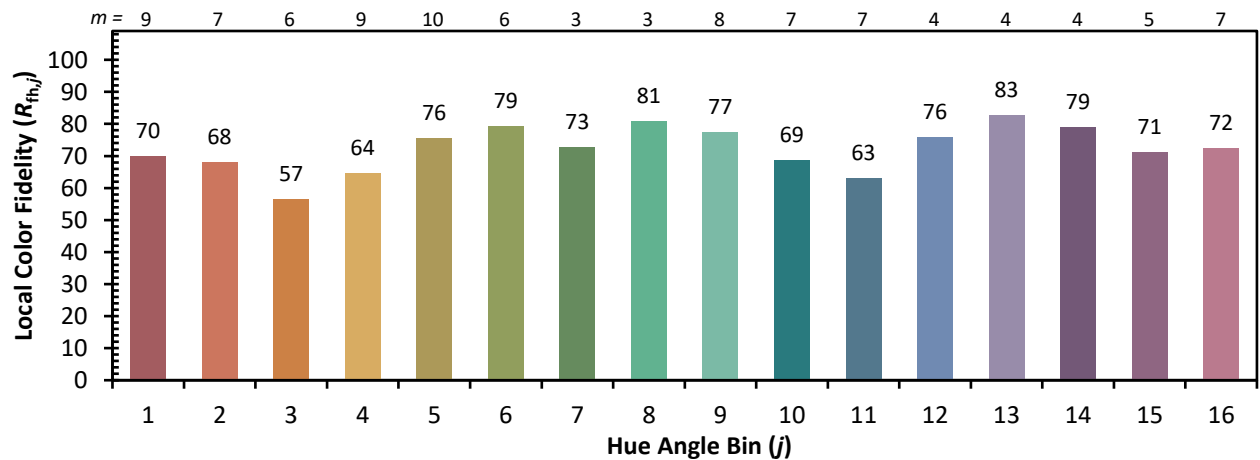
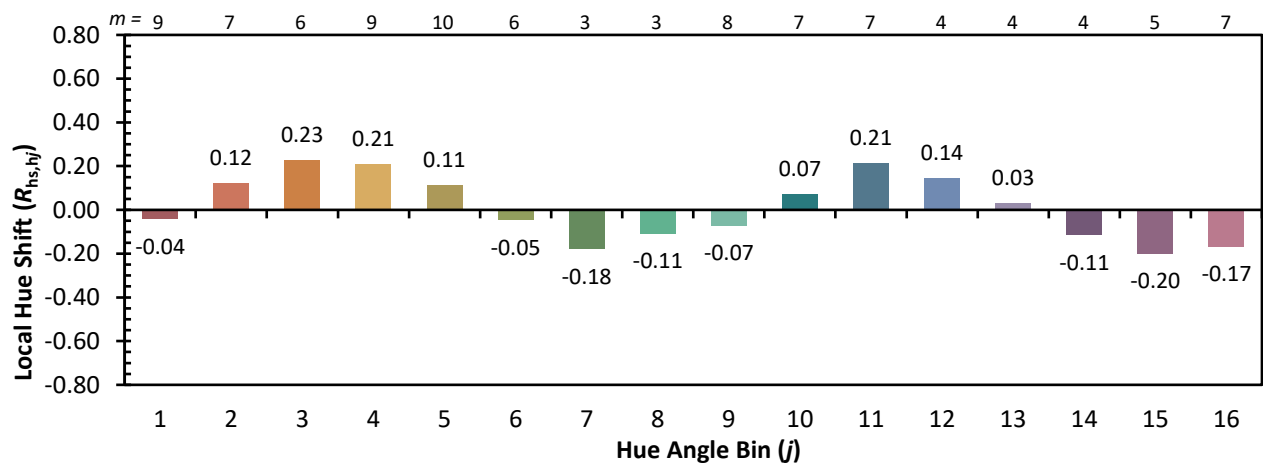
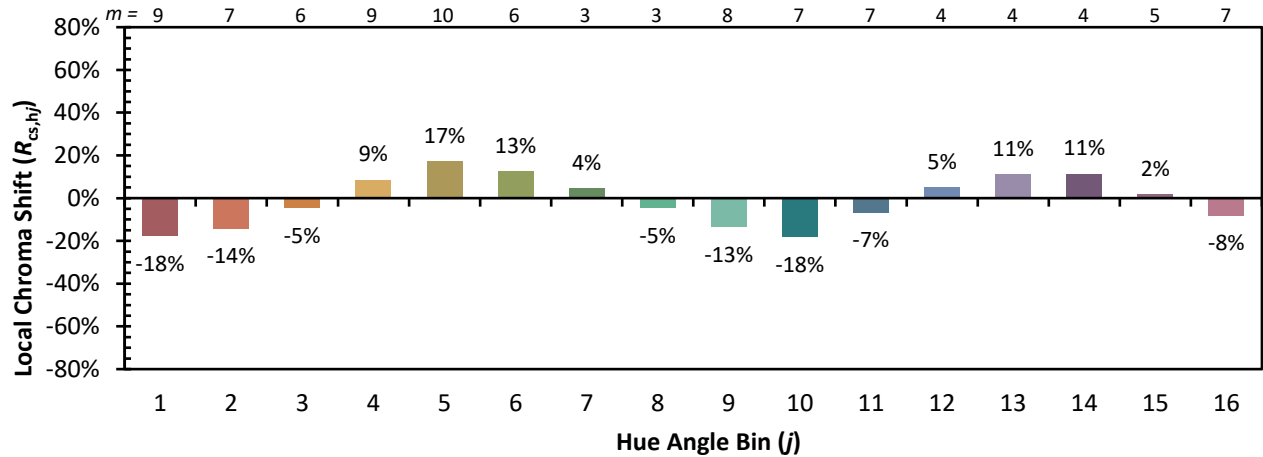


Individual Sample Fidelity Index ($R_{f,i}$)

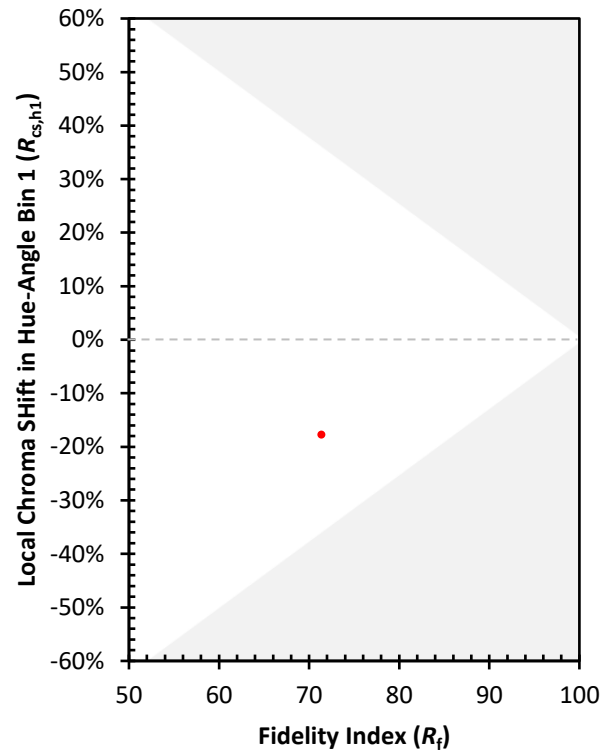
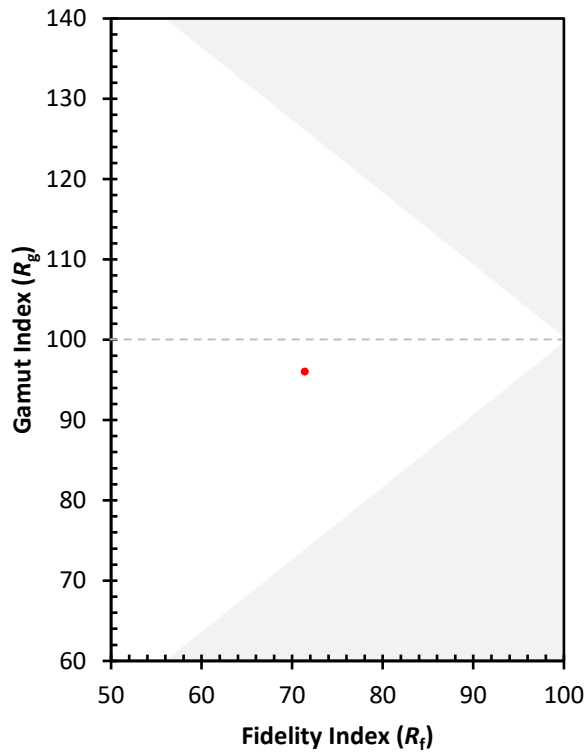
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)