

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: P1049465

Luminaire Tested: **GALN-SA2A-740-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049465
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6672.8 lumens
Efficiency: N/A
Efficacy: 119.6 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): 55.8
Input Voltage (V): 120
Input Current (A_{in}): 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

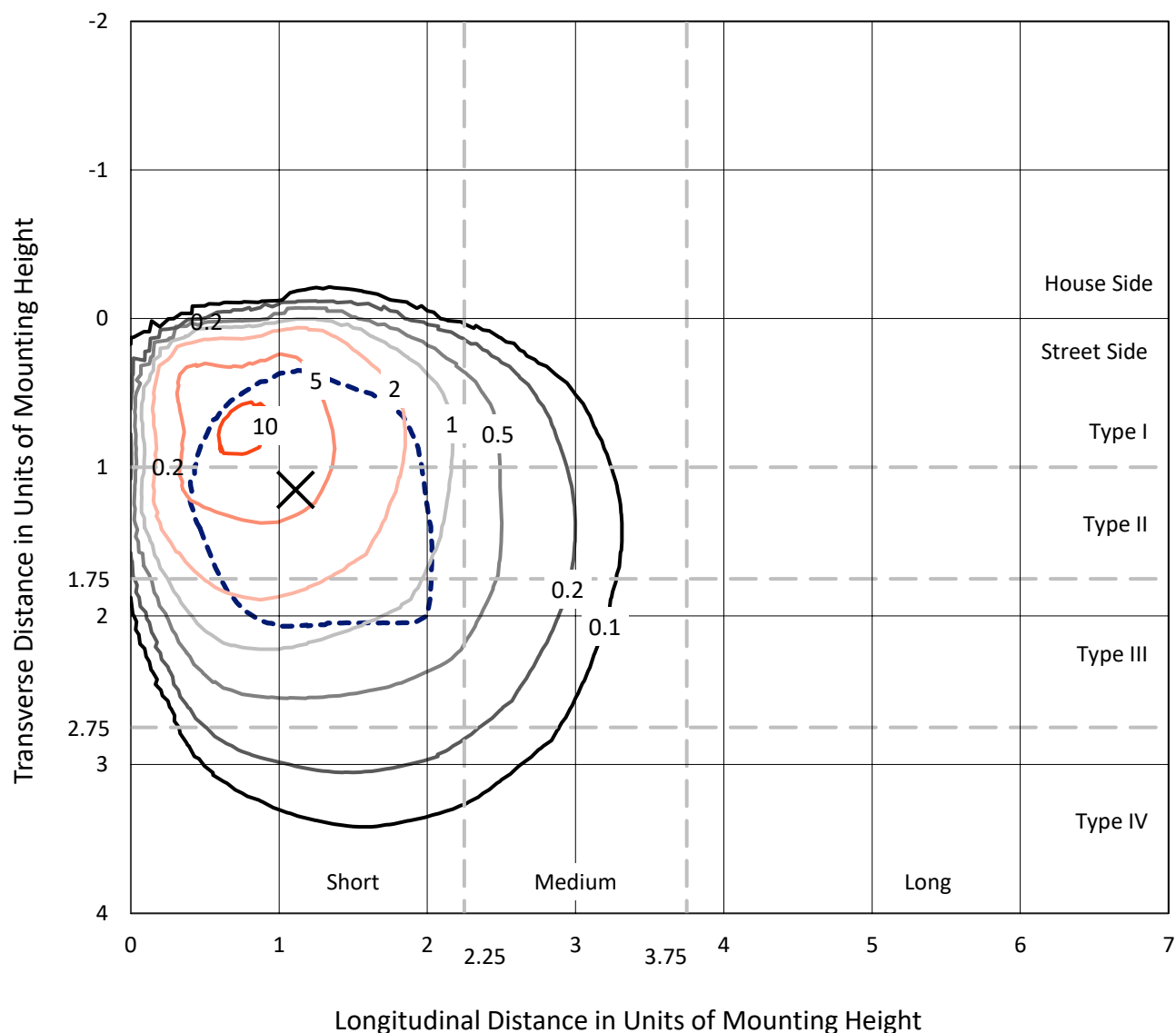
REPORT NUMBER: P1049465

CATALOG NUMBER: GALN-SA2A-740-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

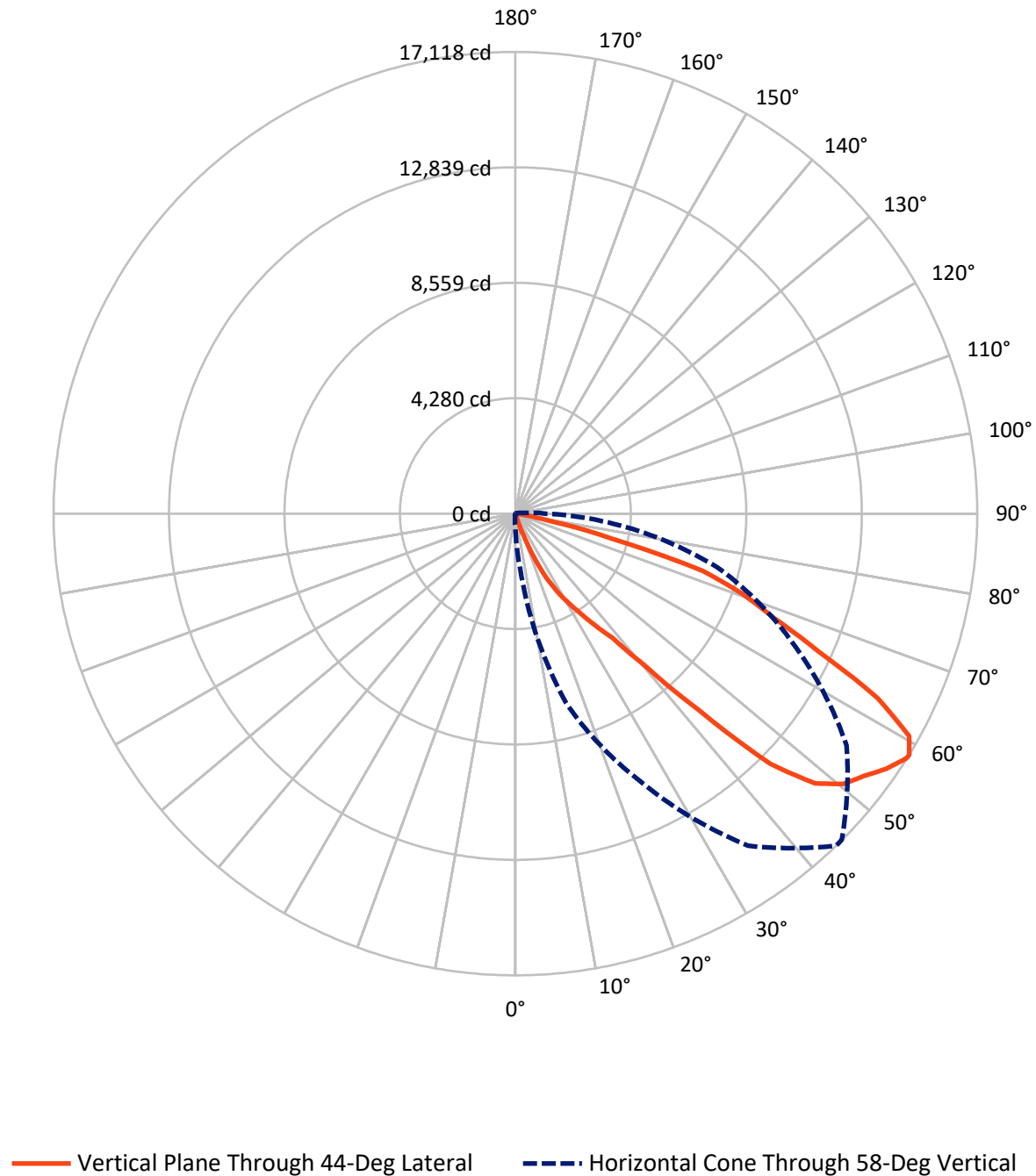


Based on 20 foot mounting height. Maximum calculated value = 11.6 fc

Type III - Short - N/A

REPORT NUMBER: P1049465
CATALOG NUMBER: GALN-SA2A-740-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049465

CATALOG NUMBER: GALN-SA2A-740-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.6	0.0	45.6
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	6627.2	0.0	6627.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	6672.8	0.0	6672.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	14.6	0.2
20°-30°	158.1	2.4
30°-40°	467.5	7.0
40°-50°	1393.4	20.9
50°-60°	2211.0	33.1
60°-70°	1844.2	27.6
70°-80°	568.8	8.5
80°-90°	12.6	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°	6672.8	100.0
0°-180°	6672.8	100.0

Coefficient of Utilization



REPORT NUMBER: P1049465

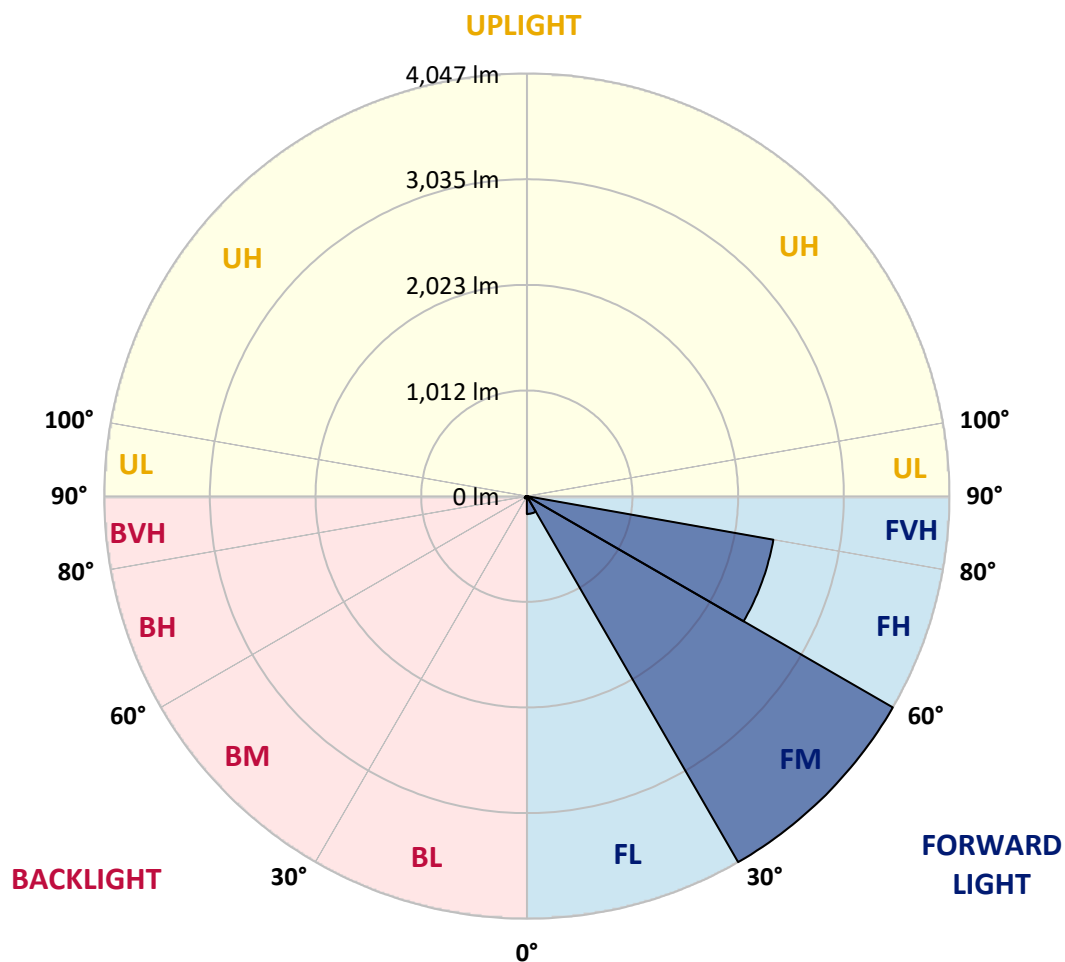
CATALOG NUMBER: GALN-SA2A-740-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.9	2.6			
FM	(30°-60°)	4046.9	60.6			
FH	(60°-80°)	2397.4	35.9			G2/5000
FVH	(80°-90°)	12.0	0.2			G1/100
BL	(0°-30°)	4.5	0.1	B0/110		
BM	(30°-60°)	24.9	0.4	B0/220		
BH	(60°-80°)	15.6	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



REPORT NUMBER: P1049465

CATALOG NUMBER: GALN-SA2A-740-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
2.5°	37.8	37.8	36.3	34.3	32.3	30.2	29.7	28.7	28.2	27.7
5°	39.3	39.3	38.8	37.3	35.3	33.8	33.8	32.3	31.3	30.2
7.5°	40.3	40.8	41.8	41.3	40.3	38.8	38.8	37.8	36.3	33.8
10°	41.8	43.4	45.4	46.4	46.9	46.9	46.4	45.9	43.4	39.8
12.5°	43.4	46.4	51.4	56.5	59.5	63.5	63.0	62.0	55.4	47.9
15°	46.4	50.9	61.5	76.1	98.8	112.9	118.5	113.4	91.7	64.5
17.5°	49.9	57.5	89.2	159.3	261.1	309.5	338.7	315.0	208.7	122.5
20°	53.4	70.1	165.8	412.8	677.5	835.8	879.6	811.1	520.7	233.4
22.5°	59.5	98.3	336.2	853.4	1459.8	1697.2	1742.1	1522.8	983.4	460.7
25°	72.1	142.7	579.7	1390.7	2178.6	2579.3	2560.7	2273.4	1595.4	735.9
27.5°	90.2	207.7	876.6	1976.0	2867.2	3220.5	3262.9	2907.5	2126.7	1082.2
30°	116.4	287.8	1195.2	2444.7	3419.1	3801.2	3808.3	3440.8	2602.0	1386.2
32.5°	141.6	363.4	1473.9	2897.9	3963.0	4381.9	4413.1	3961.0	2956.9	1702.8
35°	160.8	412.8	1756.2	3296.1	4511.4	5088.6	5086.6	4549.8	3377.3	1985.5
37.5°	162.3	462.2	2011.7	3703.4	5206.1	5852.3	5916.3	5324.5	3885.4	2335.4
40°	158.8	517.7	2335.4	4338.5	6457.7	7449.2	7505.6	6759.6	4904.6	2934.2
42.5°	162.8	614.0	2860.6	5511.5	8535.9	9960.0	10068.8	9284.5	6778.3	4156.1
45°	184.0	794.9	3961.0	7473.9	11498.4	13234.4	13198.1	12068.5	8958.4	6016.1
47.5°	254.1	1238.0	5592.2	9383.8	13391.7	14937.7	14968.9	13588.3	10230.6	7446.1
50°	390.7	1894.3	6962.7	10393.5	14205.7	15756.8	15727.5	14132.2	10714.0	8150.3
52.5°	508.1	2369.1	7650.3	10747.8	14310.1	16161.5	16159.5	14275.3	10789.1	8210.8
55°	537.3	2404.9	7655.8	10767.0	14544.0	16691.3	16757.9	14627.7	10886.4	7946.7
57.5°	525.7	2129.2	7336.3	10877.9	14960.3	17101.1	17104.7	14968.9	11133.4	7784.9
58°	515.7	2085.8	7271.7	10940.9	15031.9	17118.3	17109.7	14984.5	11334.6	7778.8
60°	459.2	1811.1	7020.2	11101.7	14925.6	16766.4	16686.3	14643.3	11304.8	7716.8
62.5°	360.9	1412.9	6772.7	10915.7	13785.4	15063.2	15096.4	12964.2	10305.7	7355.4
65°	287.3	1053.0	6256.5	9574.8	11351.7	12369.9	12493.9	10542.2	8602.0	6228.3
67.5°	228.8	761.1	5248.4	7623.1	8982.6	10323.9	10414.1	8851.0	6664.3	4772.0
70°	186.0	514.7	3622.8	5575.0	7408.8	8917.0	8922.6	7352.9	4974.2	3126.8
72.5°	164.8	356.4	2103.0	4065.8	6007.5	7266.2	7119.5	5966.7	3822.9	1852.0
75°	142.7	236.4	1031.3	2485.6	3642.4	3667.1	3723.1	2767.9	1910.9	880.6
77.5°	117.4	167.9	406.3	679.0	1092.3	1398.3	1450.2	1098.9	635.6	216.8
80°	80.7	79.6	109.4	208.2	312.5	391.7	365.5	282.8	166.3	83.2
82.5°	34.8	37.8	49.4	59.5	48.4	46.9	44.9	28.7	22.2	17.1
85°	11.1	10.1	10.6	10.6	8.6	6.6	6.6	3.0	0.0	0.0
87.5°	5.5	4.5	4.5	4.0	2.5	1.0	0.5	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

REPORT NUMBER: P1049465

CATALOG NUMBER: GALN-SA2A-740-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
29.2	0°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
27.2	2.5°	26.7	26.7	25.7	24.7	24.2	23.2	22.7	22.2	21.7	21.2
29.2	5°	28.2	27.7	26.2	24.7	23.2	21.7	20.7	19.7	18.7	18.1
32.3	7.5°	30.7	29.7	26.7	24.2	22.2	20.2	19.2	17.6	16.6	15.1
35.8	10°	33.8	31.8	27.7	24.7	21.7	19.2	17.6	16.1	14.6	12.6
40.8	12.5°	37.8	34.3	29.2	24.2	20.7	17.6	16.1	14.1	12.6	11.1
47.4	15°	41.3	36.8	29.7	24.2	19.7	16.1	14.1	12.1	10.6	8.6
59.5	17.5°	46.4	38.8	29.2	22.7	18.1	14.1	12.1	10.6	8.1	5.0
88.2	20°	54.9	40.3	28.2	21.2	15.6	11.6	9.1	7.1	3.5	1.0
132.6	22.5°	68.6	44.4	27.2	19.2	13.6	9.1	6.0	2.5	0.0	0.0
201.6	25°	94.8	51.4	27.2	18.1	12.1	6.6	2.0	0.0	0.0	0.0
286.3	27.5°	126.0	61.0	27.2	15.6	9.6	3.5	0.0	0.0	0.0	0.0
390.2	30°	157.8	71.6	27.2	13.6	7.6	0.5	0.0	0.0	0.0	0.0
480.4	32.5°	188.0	80.7	27.7	11.6	5.0	0.0	0.0	0.0	0.0	0.0
605.4	35°	218.8	82.2	27.2	10.1	3.0	0.0	0.0	0.0	0.0	0.0
758.6	37.5°	258.1	79.1	25.7	9.1	1.5	0.0	0.0	0.0	0.0	0.0
998.1	40°	317.6	80.7	24.2	8.6	0.5	0.0	0.0	0.0	0.0	0.0
1425.0	42.5°	427.5	87.2	22.2	8.6	0.0	0.0	0.0	0.0	0.0	0.0
2269.8	45°	739.0	116.9	20.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0
3407.5	47.5°	1222.4	210.2	19.7	9.1	0.0	0.0	0.0	0.0	0.0	0.0
4104.7	50°	1560.1	264.6	20.7	9.6	0.0	0.0	0.0	0.0	0.0	0.0
4191.9	52.5°	1557.6	294.9	21.7	10.1	2.0	0.0	0.0	0.0	0.0	0.0
3863.7	55°	1384.7	300.4	23.2	11.1	6.6	0.0	0.0	0.0	0.0	0.0
3320.3	57.5°	1157.3	274.2	26.7	13.6	12.1	0.0	0.0	0.0	0.0	0.0
3235.1	58°	1117.0	262.1	27.7	14.1	13.1	0.0	0.0	0.0	0.0	0.0
2806.2	60°	915.4	213.7	35.3	17.6	17.6	0.0	0.0	0.0	0.0	0.0
2300.6	62.5°	632.1	186.5	40.3	22.7	18.1	0.0	0.0	0.0	0.0	0.0
1696.2	65°	447.1	168.4	43.9	24.2	14.6	0.0	0.0	0.0	0.0	0.0
1205.2	67.5°	334.2	155.3	48.4	24.7	7.6	0.0	0.0	0.0	0.0	0.0
756.1	70°	256.1	145.7	59.5	26.2	2.0	0.0	0.0	0.0	0.0	0.0
450.6	72.5°	208.7	134.6	72.1	27.2	0.0	0.0	0.0	0.0	0.0	0.0
270.2	75°	172.9	121.5	69.6	29.7	0.0	0.0	0.0	0.0	0.0	0.0
144.2	77.5°	114.9	94.3	63.5	29.7	0.0	0.0	0.0	0.0	0.0	0.0
51.4	80°	40.3	37.3	49.4	26.2	0.0	0.0	0.0	0.0	0.0	0.0
10.6	82.5°	6.0	5.0	7.1	9.1	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

REPORT NUMBER: P1049465

CATALOG NUMBER: GALN-SA2A-740-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
29.2	0°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
20.7	2.5°	20.7	20.7	20.2	20.7	20.7	21.7	24.2	27.7	31.8	33.3
17.6	5°	17.1	16.6	16.1	16.1	16.1	17.6	19.7	23.7	28.2	30.2
14.6	7.5°	14.1	13.6	13.1	12.6	12.6	13.6	16.1	20.7	25.2	27.2
12.1	10°	11.6	10.6	10.1	9.6	9.6	10.6	13.1	17.6	22.7	24.7
10.1	12.5°	9.6	8.1	7.1	6.6	6.0	7.6	10.1	14.1	19.7	22.2
7.6	15°	6.6	5.0	3.5	3.0	2.5	4.0	6.6	11.1	16.6	19.7
4.0	17.5°	3.5	1.5	0.5	0.0	0.0	1.0	3.0	8.1	13.6	16.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.1	12.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	6.0	8.6
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049465

CATALOG NUMBER: GALN-SA2A-740-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
29.2	0°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
34.8	2.5°	35.8	35.3	34.3	33.3	33.3	33.3	34.8	36.3	37.8	37.8
31.3	5°	33.3	33.3	32.8	31.8	31.8	32.3	34.3	36.8	38.8	39.3
28.7	7.5°	30.7	31.8	30.7	30.2	30.7	31.3	33.3	36.3	39.3	40.3
26.7	10°	29.2	29.7	29.7	29.2	29.2	30.2	32.3	36.3	40.3	41.8
24.2	12.5°	27.2	28.2	27.7	27.7	27.7	28.7	31.3	35.8	41.3	43.4
21.7	15°	25.2	26.7	26.7	26.2	26.2	26.7	30.2	35.3	42.8	46.4
18.7	17.5°	23.2	24.7	25.2	24.2	24.2	25.2	28.7	35.3	43.9	49.9
15.1	20°	19.2	21.7	23.2	21.7	21.7	22.7	26.2	33.3	44.4	53.4
11.1	22.5°	15.1	17.6	19.7	19.2	19.2	19.7	24.2	31.8	44.9	59.5
6.6	25°	11.1	13.6	15.1	16.1	16.1	17.6	22.2	30.7	46.9	72.1
3.0	27.5°	6.6	9.6	11.6	12.6	13.1	15.1	20.7	29.7	50.4	90.2
0.0	30°	3.0	5.5	8.1	10.1	10.1	13.6	19.2	28.7	54.9	116.4
0.0	32.5°	0.0	2.5	4.0	7.1	7.6	11.1	17.6	27.7	61.5	141.6
0.0	35°	0.0	0.0	2.0	5.5	5.5	9.1	16.1	26.7	71.6	160.8
0.0	37.5°	0.0	0.0	0.0	4.0	4.5	8.1	15.6	26.2	73.6	162.3
0.0	40°	0.0	0.0	0.0	3.0	3.5	7.6	15.6	26.7	66.5	158.8
0.0	42.5°	0.0	0.0	0.0	2.0	2.5	7.6	15.6	27.7	60.0	162.8
0.0	45°	0.0	0.0	0.0	1.5	2.0	8.1	15.1	27.2	56.5	184.0
0.0	47.5°	0.0	0.0	0.0	2.0	3.0	8.1	14.6	26.7	57.0	254.1
0.0	50°	0.0	0.0	0.0	2.5	3.5	8.1	15.1	25.7	62.5	390.7
0.0	52.5°	0.0	0.0	0.0	2.0	3.0	9.1	16.6	25.2	68.0	508.1
0.0	55°	0.0	0.0	0.0	0.5	1.5	11.6	18.1	25.2	76.6	537.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	13.1	20.7	26.7	90.7	525.7
0.0	58°	0.0	0.0	0.0	0.0	0.0	13.1	21.2	26.7	91.7	515.7
0.0	60°	0.0	0.0	0.0	0.0	0.0	13.1	23.2	29.7	98.8	459.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	11.1	27.7	37.3	102.8	360.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	9.1	32.8	40.8	105.9	287.3
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	8.6	33.8	41.3	107.4	228.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	9.1	33.3	44.4	112.4	186.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	10.1	30.2	48.9	112.4	164.8
0.0	75°	0.0	0.0	0.0	0.0	0.0	10.6	28.2	54.9	102.3	142.7
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	10.1	27.7	64.0	91.2	117.4
0.0	80°	1.0	1.5	1.5	1.0	1.0	8.6	27.2	65.0	77.6	80.7
0.5	82.5°	3.0	4.0	3.5	2.5	2.5	7.6	24.2	54.4	40.3	34.8
3.0	85°	5.5	6.6	6.6	5.5	5.5	7.1	15.1	19.7	13.6	11.1
5.5	87.5°	7.6	8.6	8.6	7.6	7.6	7.1	6.6	6.0	5.5	5.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

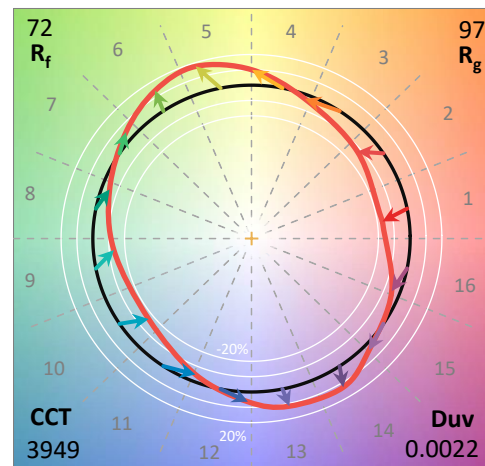
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

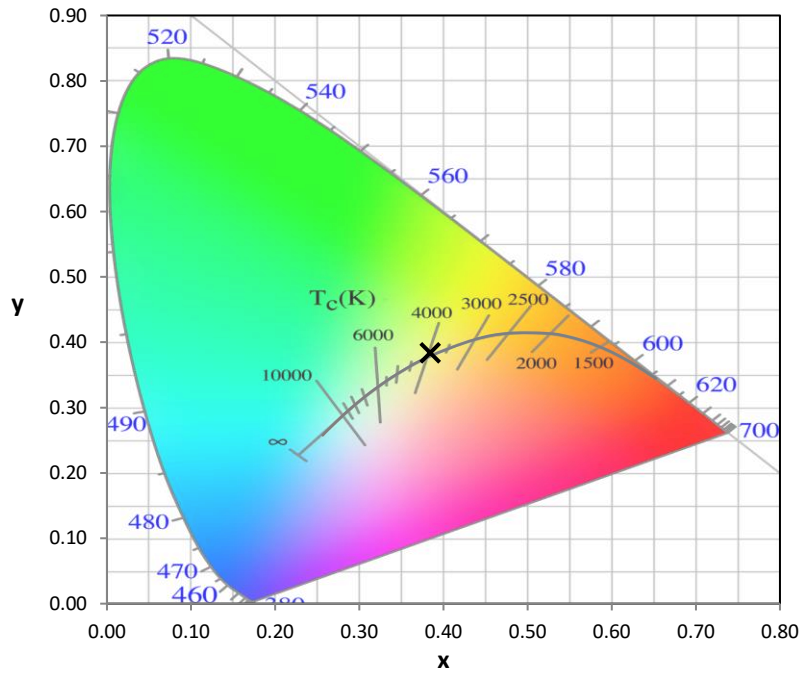
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

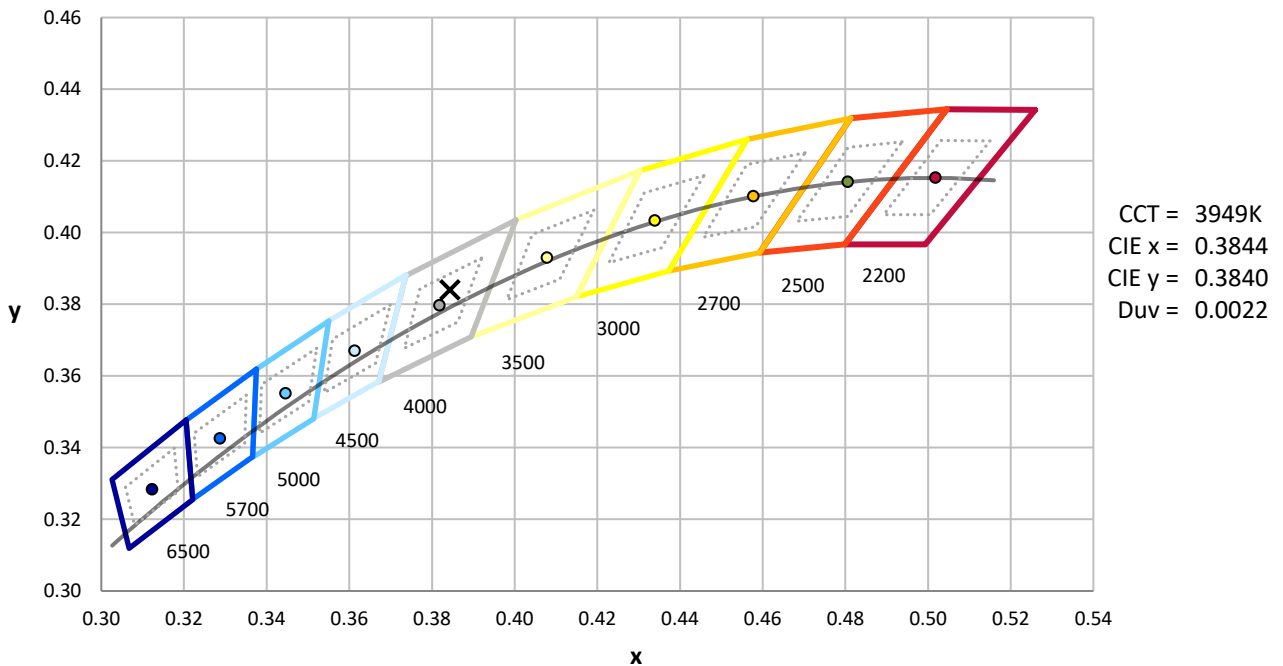
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



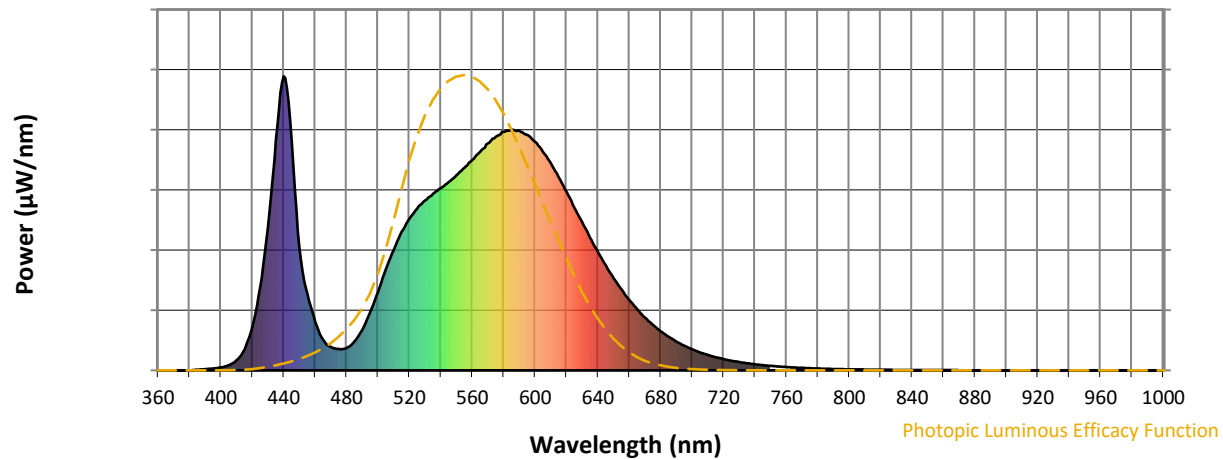
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

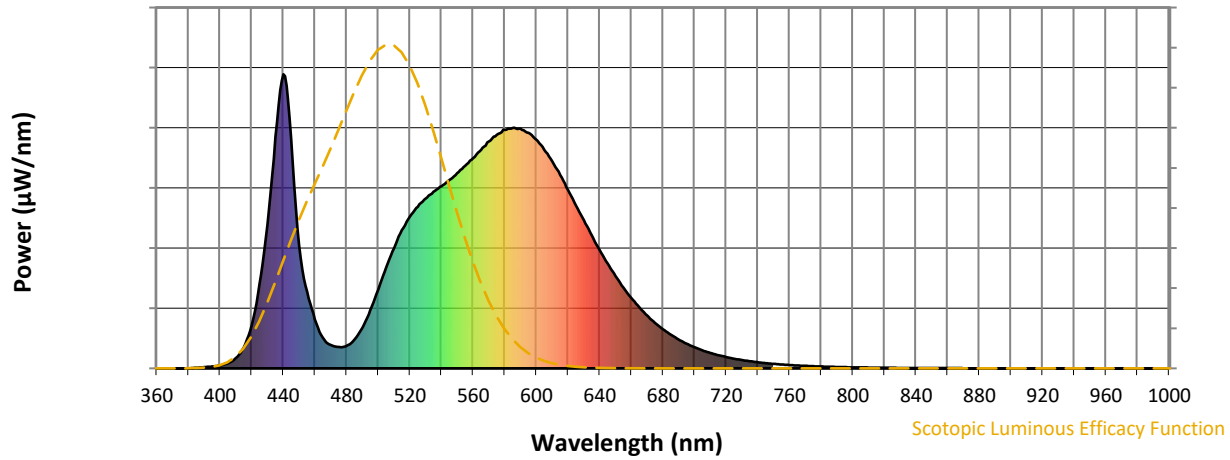


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



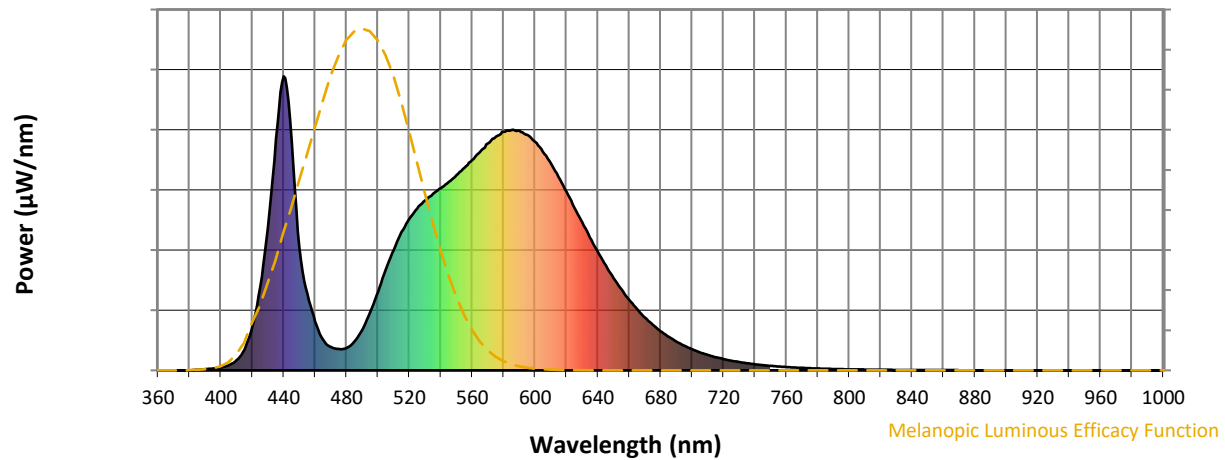
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

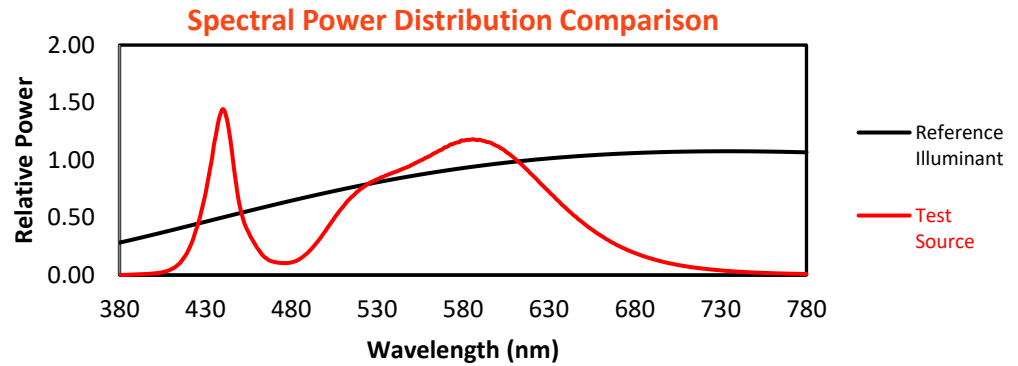
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

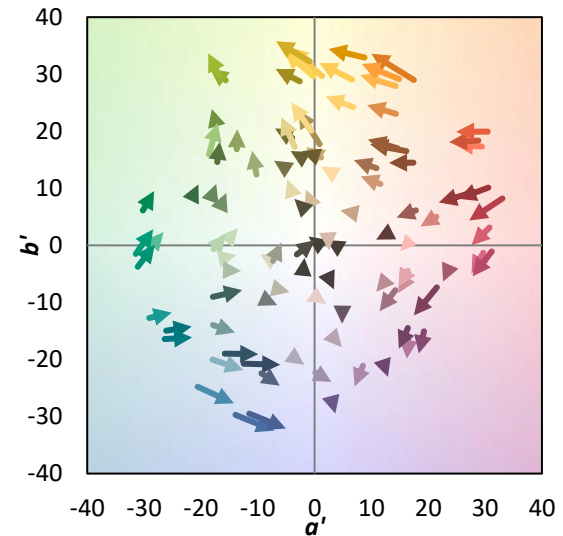
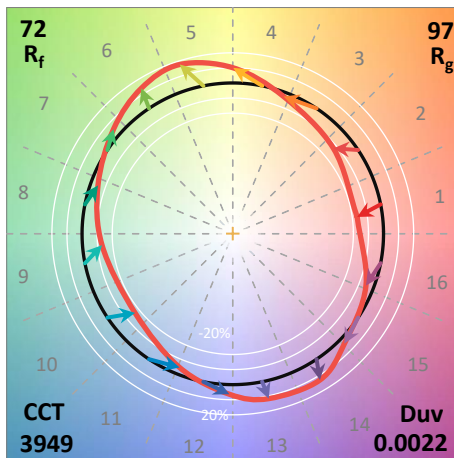
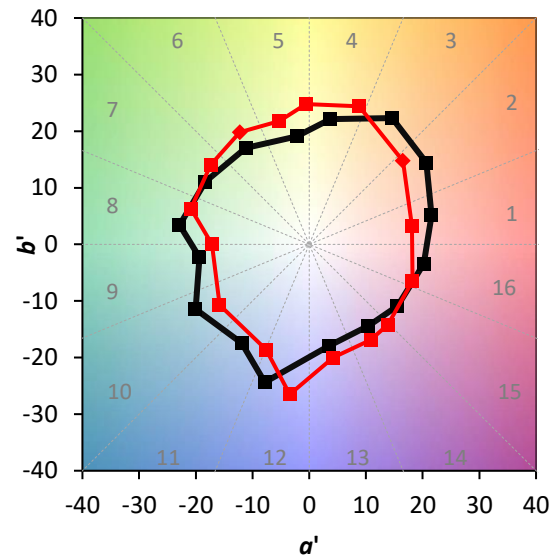
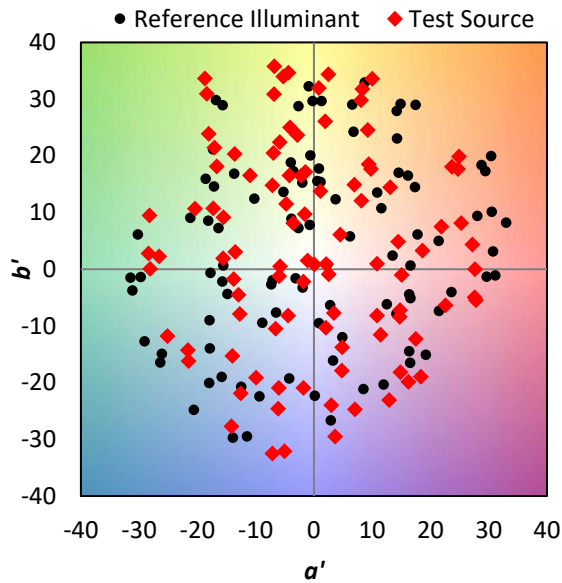
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

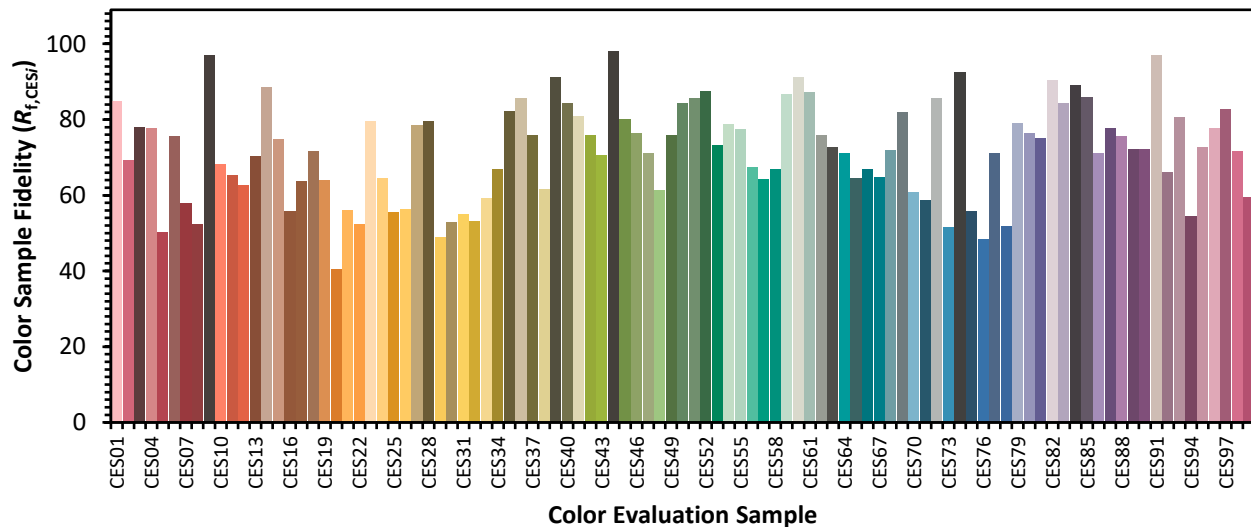


Color Vector Graphics

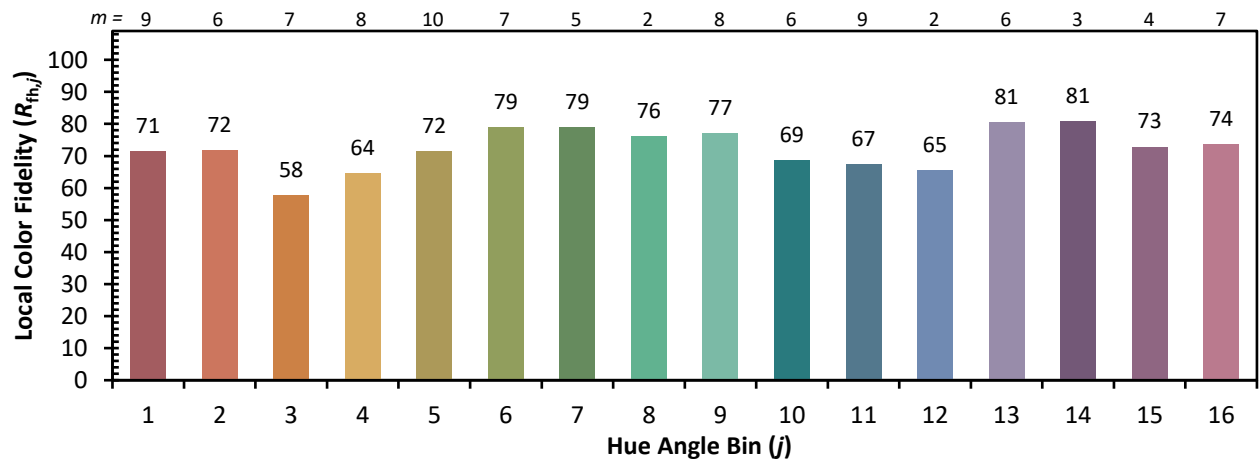
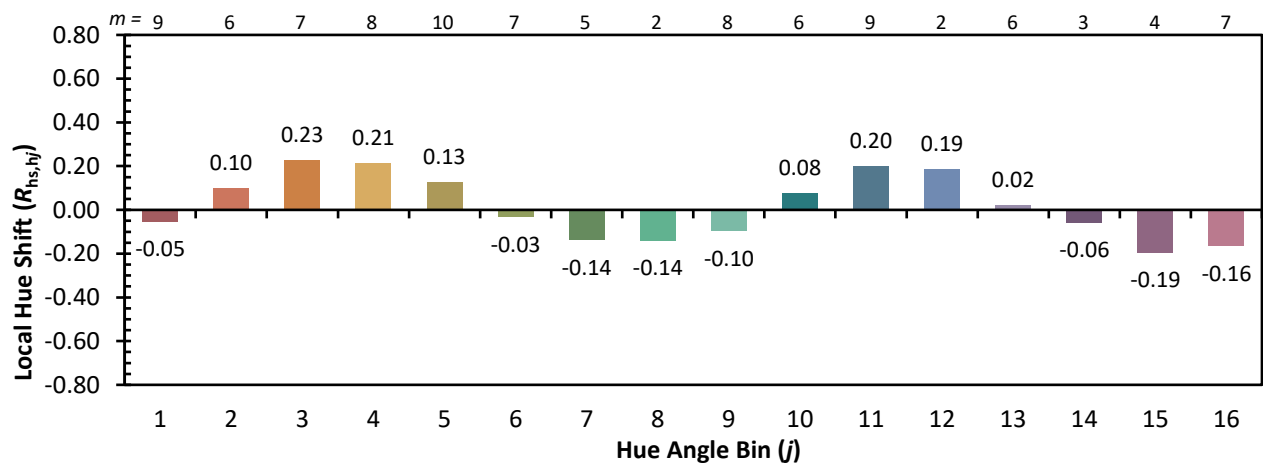
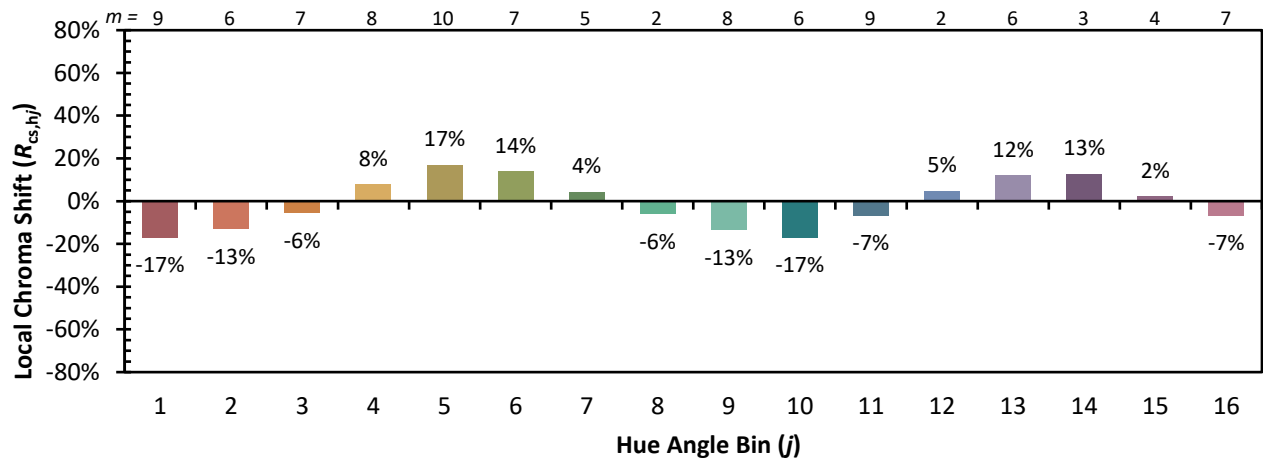


Individual Sample Fidelity Index ($R_{f,i}$)

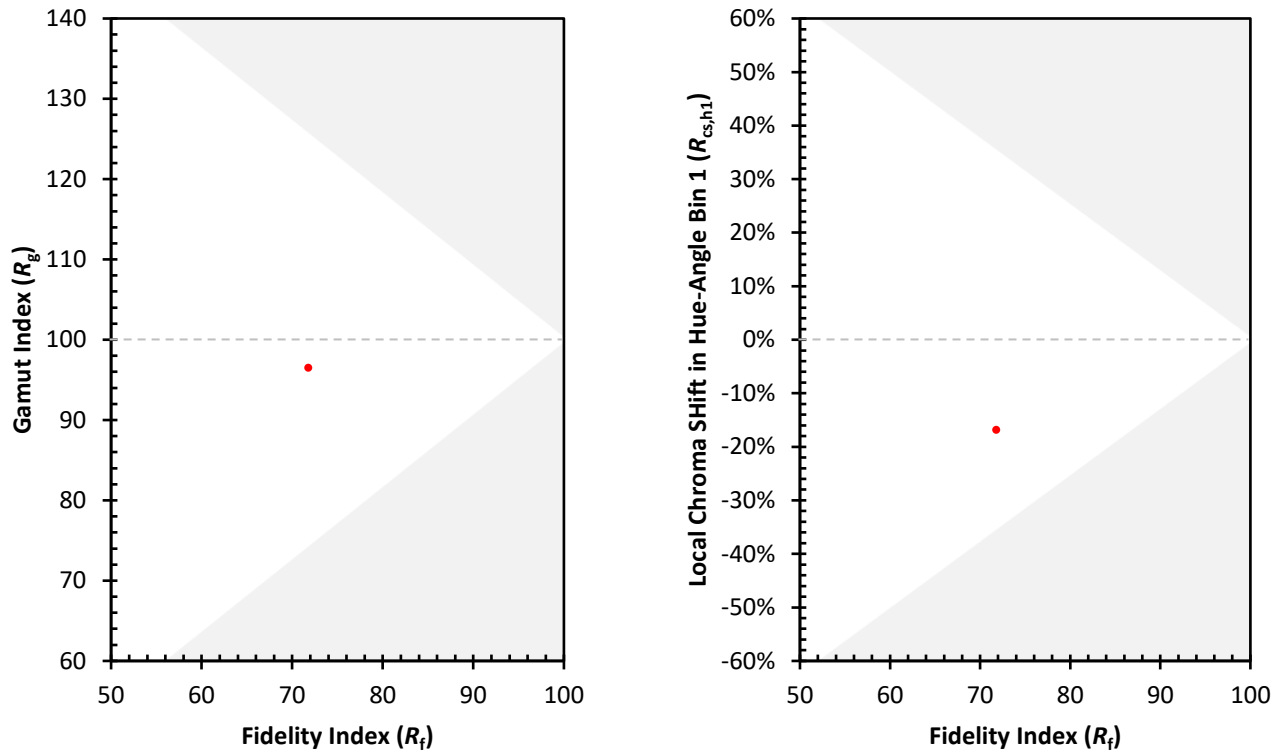
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)