

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: P1049903

Luminaire Tested: **GALN-SA3C-927-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049903
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
90CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9669.2 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

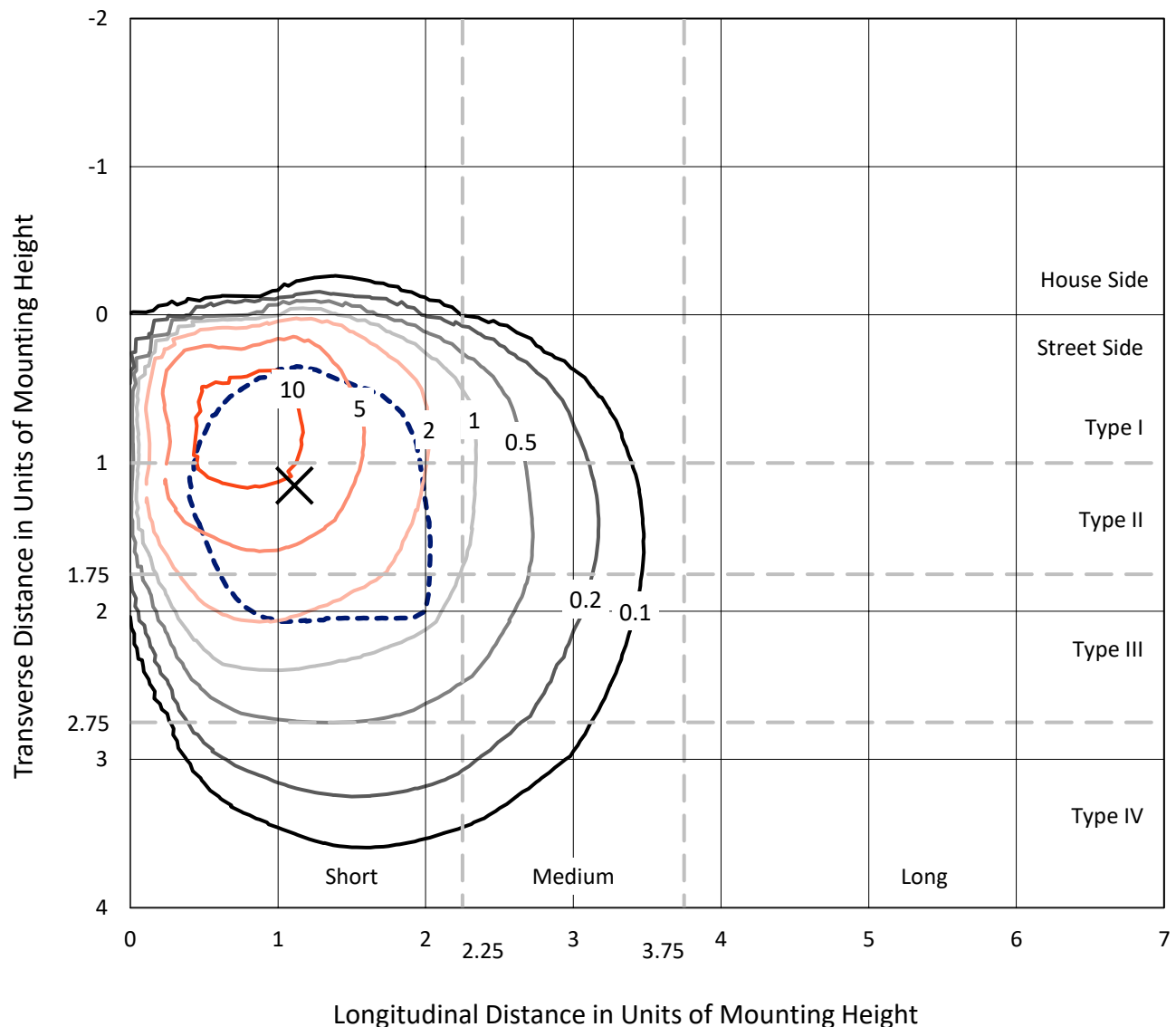
Input Watts (W): 140.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049903

CATALOG NUMBER: GALN-SA3C-927-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

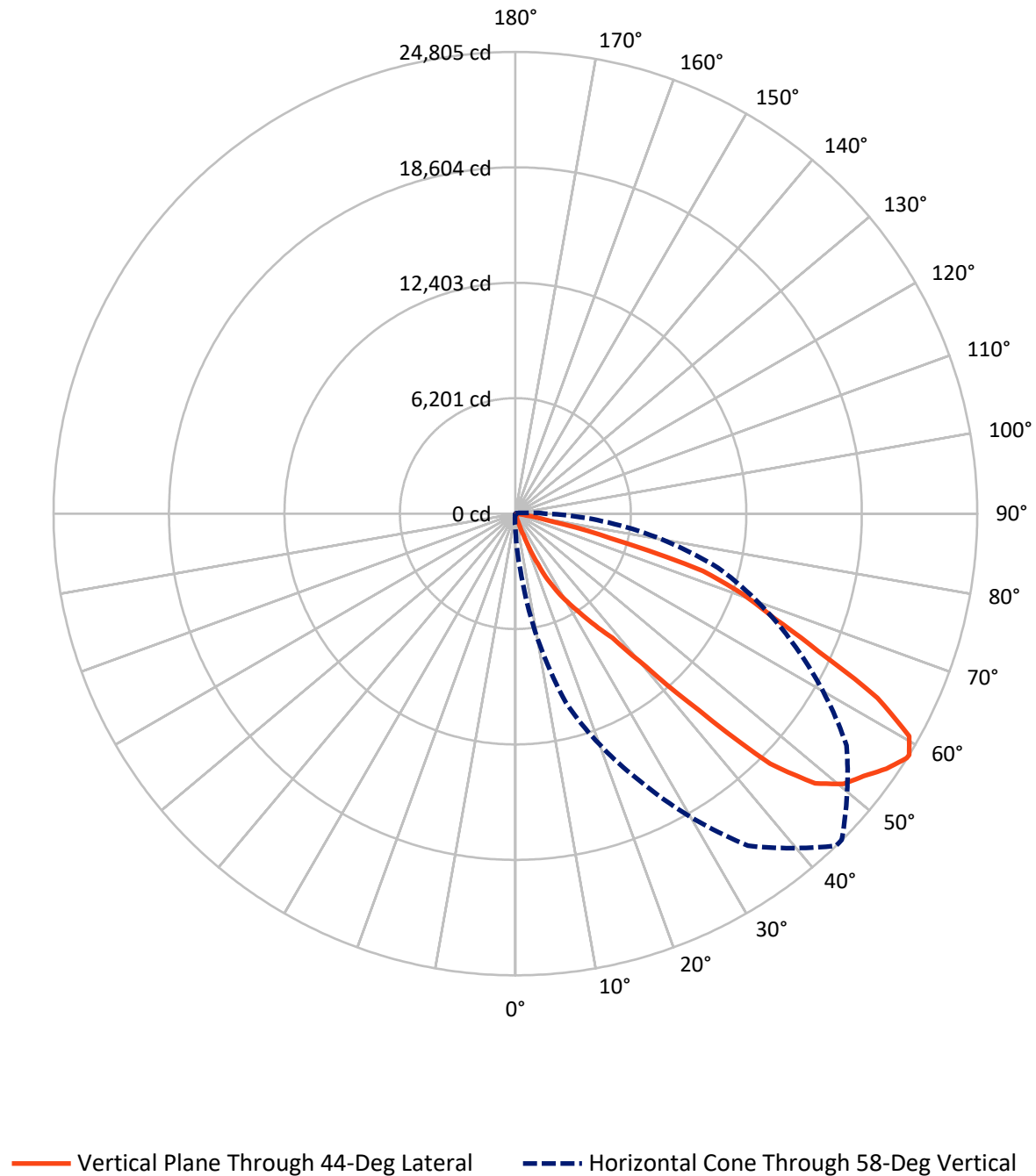
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 16.8 fc
 Type III - Short - N/A

REPORT NUMBER: P1049903
CATALOG NUMBER: GALN-SA3C-927-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049903

CATALOG NUMBER: GALN-SA3C-927-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	66.0	0.0	66.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	9603.2	0.0	9603.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	9669.2	0.0	9669.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.0
10°-20°	21.2	0.2
20°-30°	229.1	2.4
30°-40°	677.4	7.0
40°-50°	2019.1	20.9
50°-60°	3203.8	33.1
60°-70°	2672.4	27.6
70°-80°	824.2	8.5
80°-90°	18.3	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°	9669.2	100.0
0°-180°	9669.2	100.0



REPORT NUMBER: P1049903

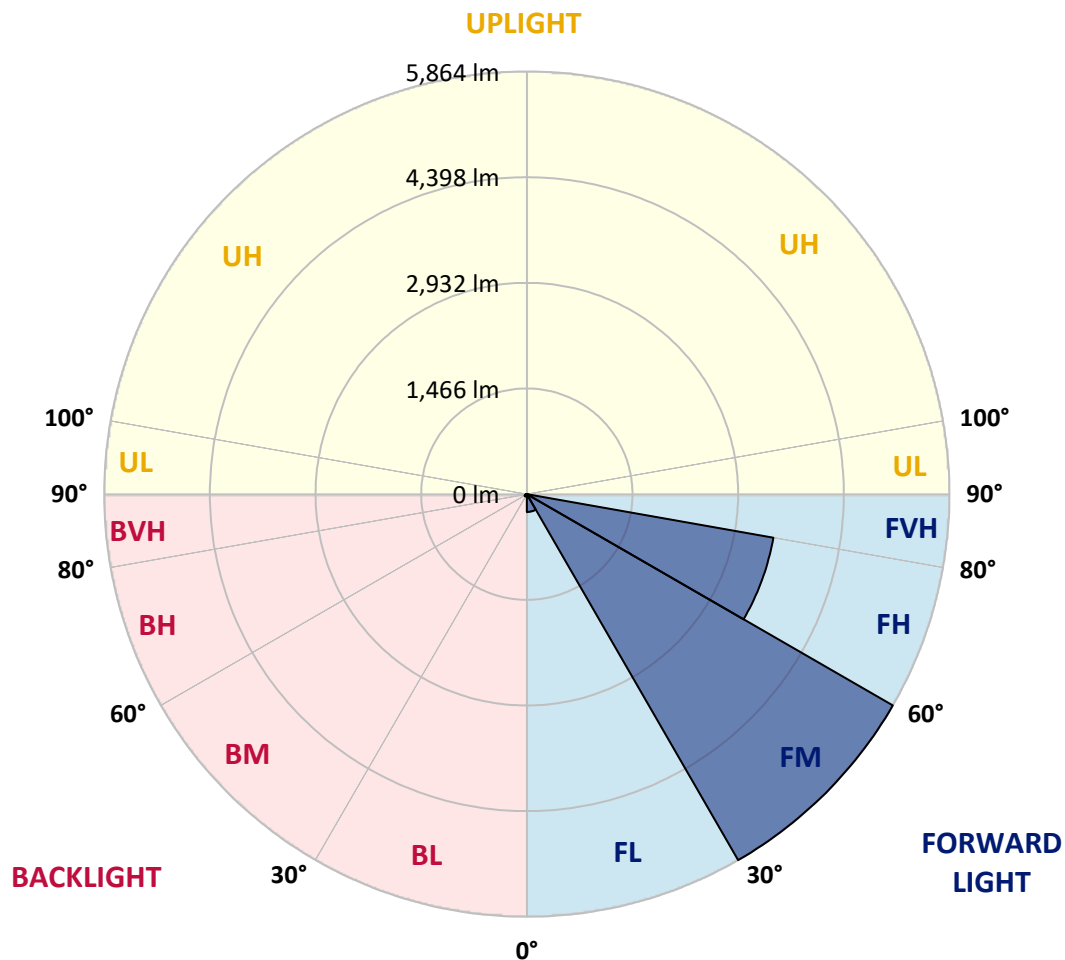
CATALOG NUMBER: GALN-SA3C-927-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.6	2.6			
FM	(30°-60°)	5864.2	60.6			
FH	(60°-80°)	3474.0	35.9			G2/5000
FVH	(80°-90°)	17.4	0.2			G1/100
BL	(0°-30°)	6.5	0.1	B0/110		
BM	(30°-60°)	36.1	0.4	B0/220		
BH	(60°-80°)	22.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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: P1049903

CATALOG NUMBER: GALN-SA3C-927-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
2.5°	54.8	54.8	52.6	49.7	46.7	43.8	43.1	41.6	40.9	40.2
5°	57.0	57.0	56.2	54.1	51.1	48.9	48.9	46.7	45.3	43.8
7.5°	58.4	59.2	60.6	59.9	58.4	56.2	56.2	54.8	52.6	48.9
10°	60.6	62.8	65.7	67.2	67.9	67.9	67.2	66.5	62.8	57.7
12.5°	62.8	67.2	74.5	81.8	86.2	92.0	91.3	89.8	80.3	69.4
15°	67.2	73.8	89.1	110.3	143.2	163.6	171.7	164.3	132.9	93.5
17.5°	72.3	83.3	129.3	230.8	378.4	448.5	490.8	456.5	302.4	177.5
20°	77.4	101.5	240.3	598.2	981.7	1211.1	1274.6	1175.3	754.5	338.2
22.5°	86.2	142.4	487.2	1236.6	2115.3	2459.4	2524.4	2206.6	1425.1	667.6
25°	104.5	206.7	840.0	2015.3	3156.9	3737.6	3710.6	3294.2	2311.8	1066.4
27.5°	130.7	300.9	1270.2	2863.3	4154.7	4666.7	4728.1	4213.1	3081.7	1568.2
30°	168.7	417.1	1731.8	3542.6	4954.5	5508.2	5518.4	4985.9	3770.5	2008.7
32.5°	205.3	526.6	2135.8	4199.2	5742.6	6349.6	6394.9	5739.7	4284.7	2467.4
35°	233.0	598.2	2544.8	4776.3	6537.3	7373.7	7370.8	6592.9	4893.9	2877.2
37.5°	235.2	669.8	2915.1	5366.5	7543.9	8480.3	8573.0	7715.5	5630.1	3384.1
40°	230.1	750.2	3384.1	6286.8	9357.5	10794.3	10876.1	9795.1	7107.1	4251.8
42.5°	235.9	889.7	4145.2	7986.5	12369.1	14432.6	14590.3	13453.8	9822.1	6022.4
45°	266.6	1151.9	5739.7	10830.1	16661.8	19177.4	19124.8	17487.9	12981.2	8717.7
47.5°	368.1	1793.9	8103.4	13597.7	19405.3	21645.5	21690.8	19690.2	14824.8	10789.9
50°	566.1	2745.0	10089.4	15060.7	20585.0	22832.5	22790.1	20478.3	15525.3	11810.3
52.5°	736.3	3433.0	11085.7	15574.2	20736.2	23419.0	23416.1	20685.8	15634.1	11898.0
55°	778.6	3484.9	11093.8	15602.0	21075.1	24186.7	24283.1	21196.3	15775.1	11515.2
57.5°	761.8	3085.3	10630.7	15762.7	21678.4	24780.5	24785.7	21690.8	16133.0	11280.7
58°	747.2	3022.5	10537.2	15854.0	21782.1	24805.4	24793.0	21713.5	16424.4	11272.0
60°	665.4	2624.4	10172.7	16087.0	21628.0	24295.5	24179.4	21219.0	16381.3	11182.1
62.5°	523.0	2047.4	9814.0	15817.4	19975.8	21827.4	21875.6	18785.9	14933.6	10658.4
65°	416.3	1525.9	9066.1	13874.5	16449.3	17924.7	18104.4	15276.2	12464.8	9025.2
67.5°	331.6	1102.9	7605.2	11046.3	13016.2	14959.9	15090.7	12825.6	9657.0	6915.0
70°	269.5	745.8	5249.6	8078.5	10735.8	12921.3	12929.3	10654.8	7207.9	4530.9
72.5°	238.9	516.4	3047.4	5891.6	8705.3	10529.1	10316.6	8646.1	5539.6	2683.6
75°	206.7	342.6	1494.5	3601.7	5278.1	5313.9	5395.0	4010.8	2769.1	1276.1
77.5°	170.2	243.2	588.7	983.9	1582.8	2026.2	2101.4	1592.3	921.1	314.1
80°	116.9	115.4	158.5	301.7	452.9	567.5	529.6	409.8	241.0	120.5
82.5°	50.4	54.8	71.6	86.2	70.1	67.9	65.0	41.6	32.1	24.8
85°	16.1	14.6	15.3	15.3	12.4	9.5	9.5	4.4	0.0	0.0
87.5°	8.0	6.6	6.6	5.8	3.7	1.5	0.7	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: P1049903

CATALOG NUMBER: GALN-SA3C-927-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
42.4	0°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
39.4	2.5°	38.7	38.7	37.3	35.8	35.1	33.6	32.9	32.1	31.4	30.7
42.4	5°	40.9	40.2	38.0	35.8	33.6	31.4	29.9	28.5	27.0	26.3
46.7	7.5°	44.6	43.1	38.7	35.1	32.1	29.2	27.8	25.6	24.1	21.9
51.9	10°	48.9	46.0	40.2	35.8	31.4	27.8	25.6	23.4	21.2	18.3
59.2	12.5°	54.8	49.7	42.4	35.1	29.9	25.6	23.4	20.5	18.3	16.1
68.7	15°	59.9	53.3	43.1	35.1	28.5	23.4	20.5	17.5	15.3	12.4
86.2	17.5°	67.2	56.2	42.4	32.9	26.3	20.5	17.5	15.3	11.7	7.3
127.8	20°	79.6	58.4	40.9	30.7	22.6	16.8	13.1	10.2	5.1	1.5
192.1	22.5°	99.3	64.3	39.4	27.8	19.7	13.1	8.8	3.7	0.0	0.0
292.2	25°	137.3	74.5	39.4	26.3	17.5	9.5	2.9	0.0	0.0	0.0
414.9	27.5°	182.6	88.4	39.4	22.6	13.9	5.1	0.0	0.0	0.0	0.0
565.4	30°	228.6	103.7	39.4	19.7	11.0	0.7	0.0	0.0	0.0	0.0
696.1	32.5°	272.5	116.9	40.2	16.8	7.3	0.0	0.0	0.0	0.0	0.0
877.2	35°	317.0	119.1	39.4	14.6	4.4	0.0	0.0	0.0	0.0	0.0
1099.3	37.5°	374.0	114.7	37.3	13.1	2.2	0.0	0.0	0.0	0.0	0.0
1446.2	40°	460.2	116.9	35.1	12.4	0.7	0.0	0.0	0.0	0.0	0.0
2064.9	42.5°	619.4	126.4	32.1	12.4	0.0	0.0	0.0	0.0	0.0	0.0
3289.1	45°	1070.8	169.5	29.2	13.1	0.0	0.0	0.0	0.0	0.0	0.0
4937.7	47.5°	1771.3	304.6	28.5	13.1	0.0	0.0	0.0	0.0	0.0	0.0
5947.9	50°	2260.7	383.5	29.9	13.9	0.0	0.0	0.0	0.0	0.0	0.0
6074.2	52.5°	2257.0	427.3	31.4	14.6	2.9	0.0	0.0	0.0	0.0	0.0
5598.7	55°	2006.5	435.3	33.6	16.1	9.5	0.0	0.0	0.0	0.0	0.0
4811.3	57.5°	1677.1	397.4	38.7	19.7	17.5	0.0	0.0	0.0	0.0	0.0
4687.9	58°	1618.6	379.8	40.2	20.5	19.0	0.0	0.0	0.0	0.0	0.0
4066.3	60°	1326.5	309.7	51.1	25.6	25.6	0.0	0.0	0.0	0.0	0.0
3333.7	62.5°	916.0	270.3	58.4	32.9	26.3	0.0	0.0	0.0	0.0	0.0
2457.9	65°	647.9	244.0	63.5	35.1	21.2	0.0	0.0	0.0	0.0	0.0
1746.5	67.5°	484.3	225.0	70.1	35.8	11.0	0.0	0.0	0.0	0.0	0.0
1095.6	70°	371.1	211.1	86.2	38.0	2.9	0.0	0.0	0.0	0.0	0.0
653.0	72.5°	302.4	195.0	104.5	39.4	0.0	0.0	0.0	0.0	0.0	0.0
391.5	75°	250.5	176.0	100.8	43.1	0.0	0.0	0.0	0.0	0.0	0.0
208.9	77.5°	166.5	136.6	92.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0
74.5	80°	58.4	54.1	71.6	38.0	0.0	0.0	0.0	0.0	0.0	0.0
15.3	82.5°	8.8	7.3	10.2	13.1	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: P1049903

CATALOG NUMBER: GALN-SA3C-927-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
42.4	0°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
29.9	2.5°	29.9	29.9	29.2	29.9	29.9	31.4	35.1	40.2	46.0	48.2
25.6	5°	24.8	24.1	23.4	23.4	23.4	25.6	28.5	34.3	40.9	43.8
21.2	7.5°	20.5	19.7	19.0	18.3	18.3	19.7	23.4	29.9	36.5	39.4
17.5	10°	16.8	15.3	14.6	13.9	13.9	15.3	19.0	25.6	32.9	35.8
14.6	12.5°	13.9	11.7	10.2	9.5	8.8	11.0	14.6	20.5	28.5	32.1
11.0	15°	9.5	7.3	5.1	4.4	3.7	5.8	9.5	16.1	24.1	28.5
5.8	17.5°	5.1	2.2	0.7	0.0	0.0	1.5	4.4	11.7	19.7	23.4
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	14.6	18.3
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	8.8	12.4
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
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	2.2
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.8
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: P1049903

CATALOG NUMBER: GALN-SA3C-927-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
42.4	0°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
50.4	2.5°	51.9	51.1	49.7	48.2	48.2	48.2	50.4	52.6	54.8	54.8
45.3	5°	48.2	48.2	47.5	46.0	46.0	46.7	49.7	53.3	56.2	57.0
41.6	7.5°	44.6	46.0	44.6	43.8	44.6	45.3	48.2	52.6	57.0	58.4
38.7	10°	42.4	43.1	43.1	42.4	42.4	43.8	46.7	52.6	58.4	60.6
35.1	12.5°	39.4	40.9	40.2	40.2	40.2	41.6	45.3	51.9	59.9	62.8
31.4	15°	36.5	38.7	38.7	38.0	38.0	38.7	43.8	51.1	62.1	67.2
27.0	17.5°	33.6	35.8	36.5	35.1	35.1	36.5	41.6	51.1	63.5	72.3
21.9	20°	27.8	31.4	33.6	31.4	31.4	32.9	38.0	48.2	64.3	77.4
16.1	22.5°	21.9	25.6	28.5	27.8	27.8	28.5	35.1	46.0	65.0	86.2
9.5	25°	16.1	19.7	21.9	23.4	23.4	25.6	32.1	44.6	67.9	104.5
4.4	27.5°	9.5	13.9	16.8	18.3	19.0	21.9	29.9	43.1	73.0	130.7
0.0	30°	4.4	8.0	11.7	14.6	14.6	19.7	27.8	41.6	79.6	168.7
0.0	32.5°	0.0	3.7	5.8	10.2	11.0	16.1	25.6	40.2	89.1	205.3
0.0	35°	0.0	0.0	2.9	8.0	8.0	13.1	23.4	38.7	103.7	233.0
0.0	37.5°	0.0	0.0	0.0	5.8	6.6	11.7	22.6	38.0	106.6	235.2
0.0	40°	0.0	0.0	0.0	4.4	5.1	11.0	22.6	38.7	96.4	230.1
0.0	42.5°	0.0	0.0	0.0	2.9	3.7	11.0	22.6	40.2	86.9	235.9
0.0	45°	0.0	0.0	0.0	2.2	2.9	11.7	21.9	39.4	81.8	266.6
0.0	47.5°	0.0	0.0	0.0	2.9	4.4	11.7	21.2	38.7	82.5	368.1
0.0	50°	0.0	0.0	0.0	3.7	5.1	11.7	21.9	37.3	90.6	566.1
0.0	52.5°	0.0	0.0	0.0	2.9	4.4	13.1	24.1	36.5	98.6	736.3
0.0	55°	0.0	0.0	0.0	0.7	2.2	16.8	26.3	36.5	111.0	778.6
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	19.0	29.9	38.7	131.5	761.8
0.0	58°	0.0	0.0	0.0	0.0	0.0	19.0	30.7	38.7	132.9	747.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	19.0	33.6	43.1	143.2	665.4
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	16.1	40.2	54.1	149.0	523.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	13.1	47.5	59.2	153.4	416.3
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	12.4	48.9	59.9	155.6	331.6
0.0	70°	0.0	0.0	0.0	0.0	0.0	13.1	48.2	64.3	162.9	269.5
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	14.6	43.8	70.9	162.9	238.9
0.0	75°	0.0	0.0	0.0	0.0	0.0	15.3	40.9	79.6	148.3	206.7
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	14.6	40.2	92.8	132.2	170.2
0.0	80°	1.5	2.2	2.2	1.5	1.5	12.4	39.4	94.2	112.5	116.9
0.7	82.5°	4.4	5.8	5.1	3.7	3.7	11.0	35.1	78.9	58.4	50.4
4.4	85°	8.0	9.5	9.5	8.0	8.0	10.2	21.9	28.5	19.7	16.1
8.0	87.5°	11.0	12.4	12.4	11.0	11.0	10.2	9.5	8.8	8.0	8.0
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: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

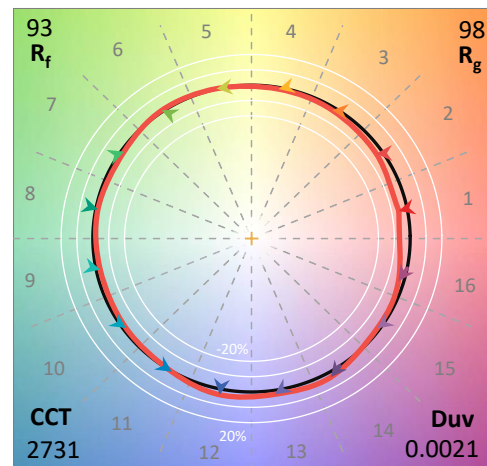
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-13
 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-927-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2731
 CIE u' : 0.2605
 CIE v' : 0.5298
 Duv: 0.0021
 CIE x: 0.4610
 CIE y: 0.4166
 CIE z: 0.1224
 Peak Wavelength (nm): 622
 Dominant Wavelength (nm): 583
 Purity: 63.43685
 R_f: 92.6
 R_g: 98

CRI (Ra): 91.8
 R1: 91.4
 R2: 95.1
 R3: 97.6
 R4: 92.3
 R5: 91.1
 R6: 94.7
 R7: 92.3
 R8: 80.0
 R9: 54.7
 R10: 87.7
 R11: 92.9
 R12: 84.0
 R13: 92.2
 R14: 97.8
 R15: 86.8



Test Conditions

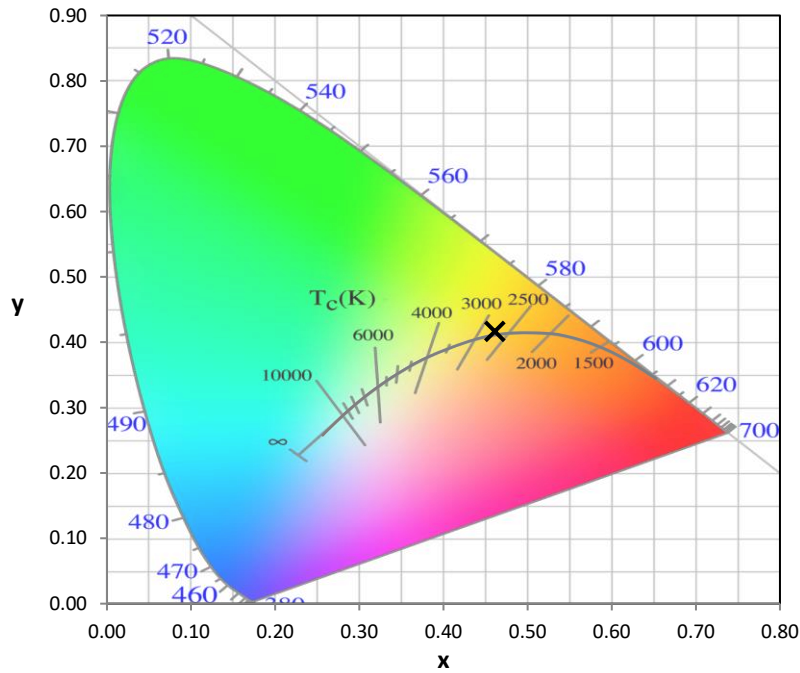
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

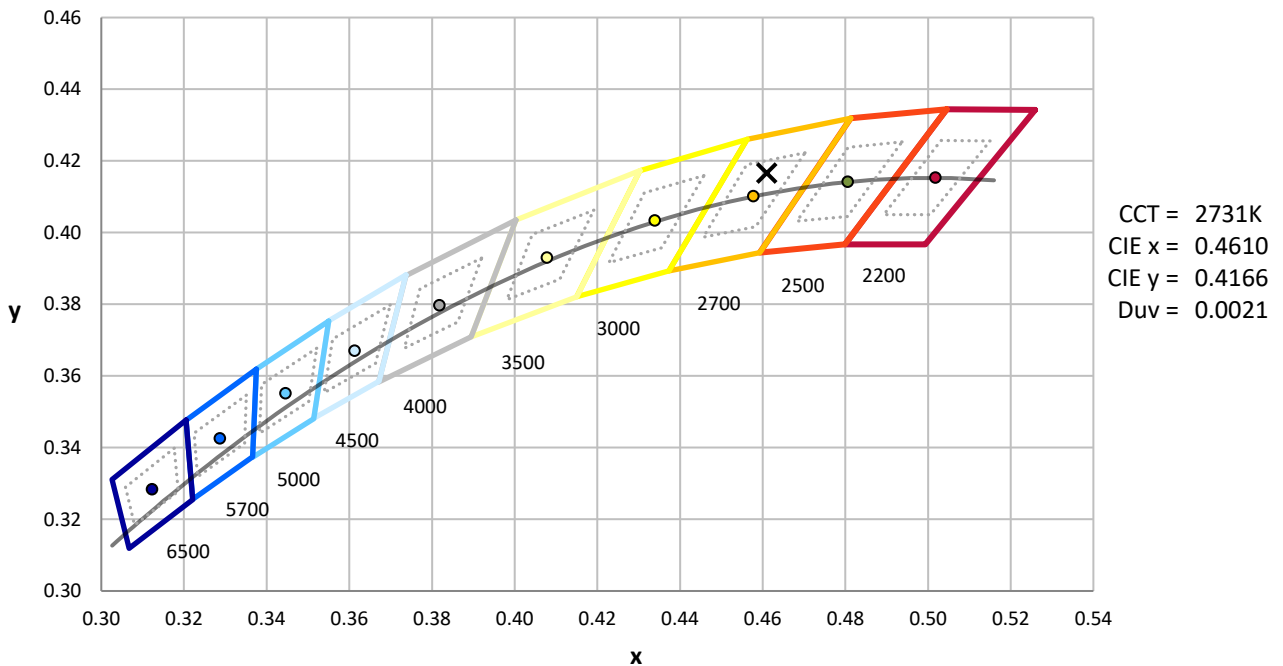
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-13

CIE 1931 Chromaticity Diagram

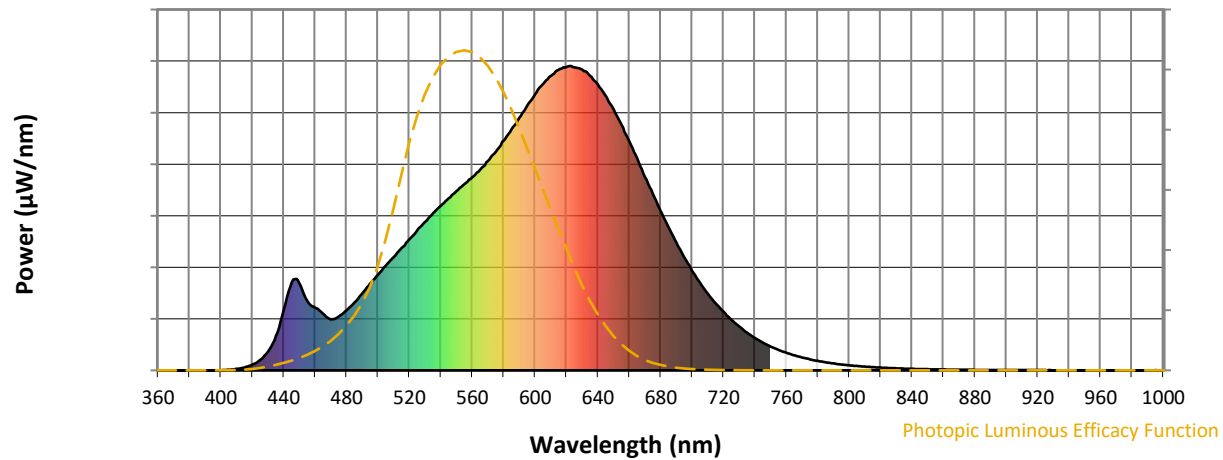


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

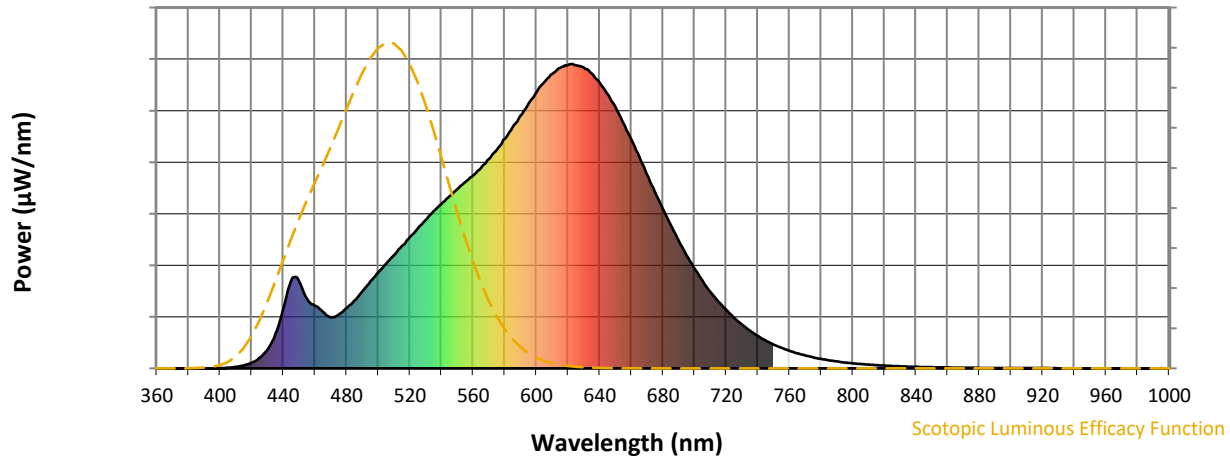
REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

Photopic Lumens: NR

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

Scotopic Flux vs. Wavelength



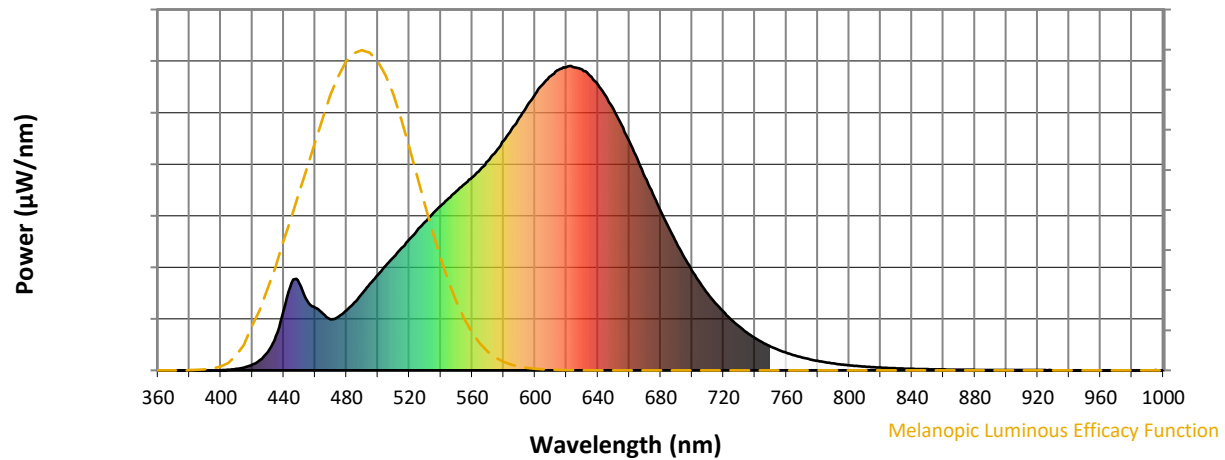
Scotopic Lumens: NR

S/P: 1.27

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

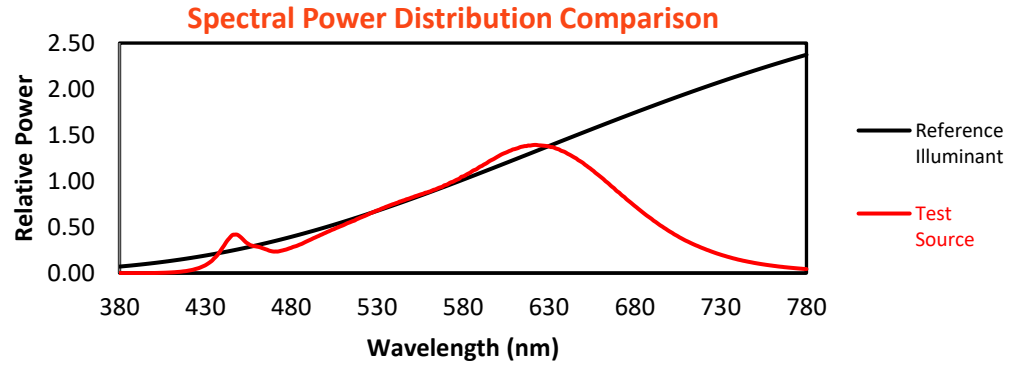
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

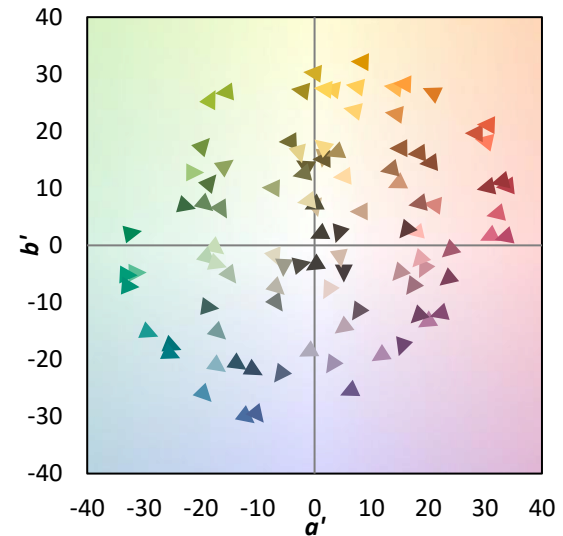
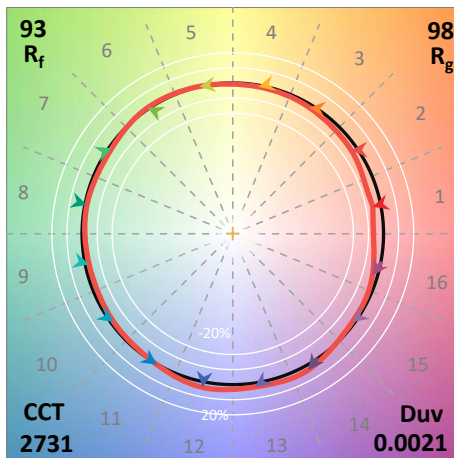
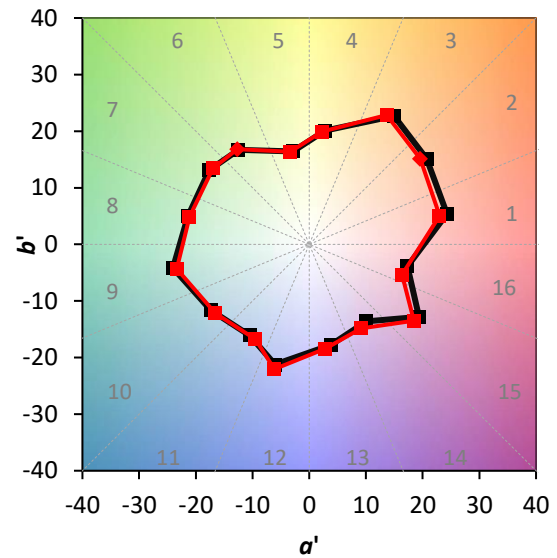
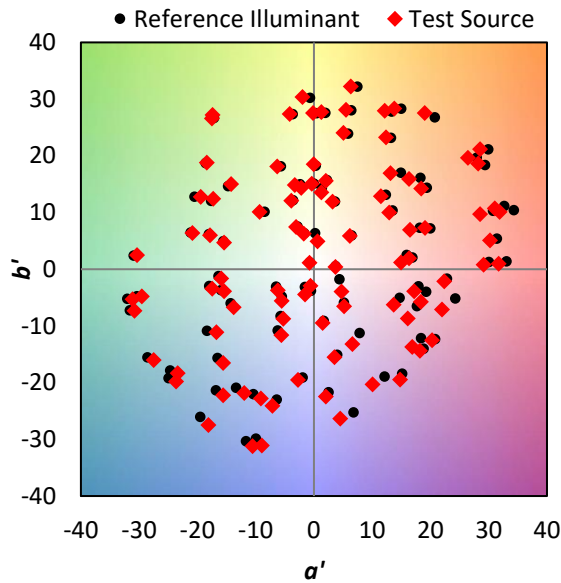
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98$
 $CIE R_a = 91.8$
 $R_9 = 54.7$

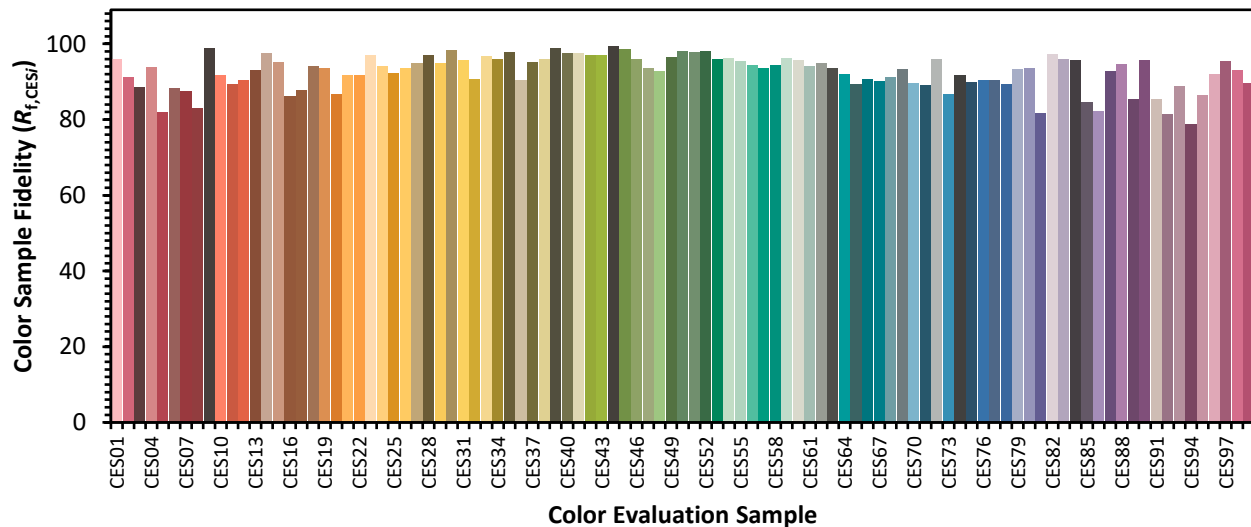


Color Vector Graphics

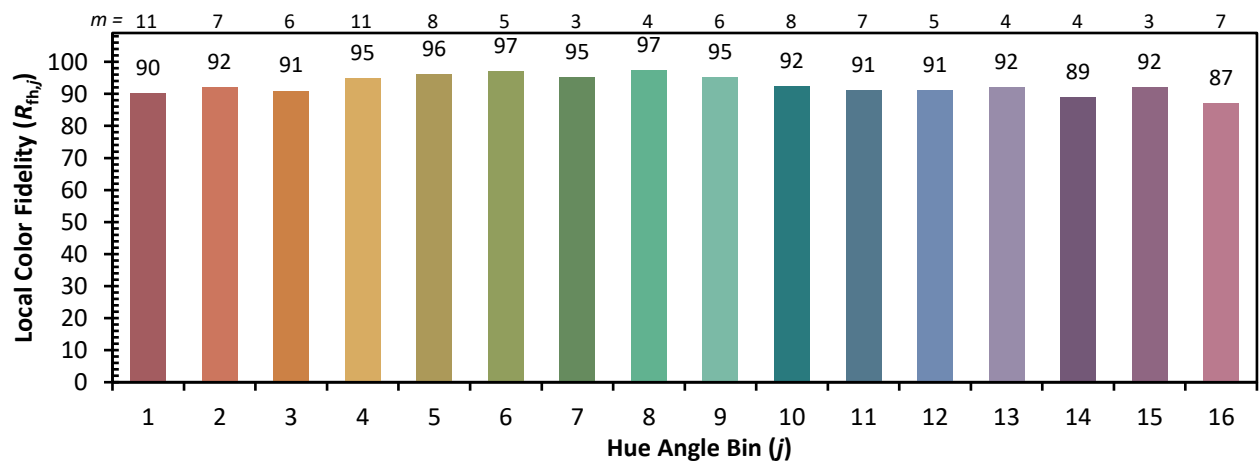
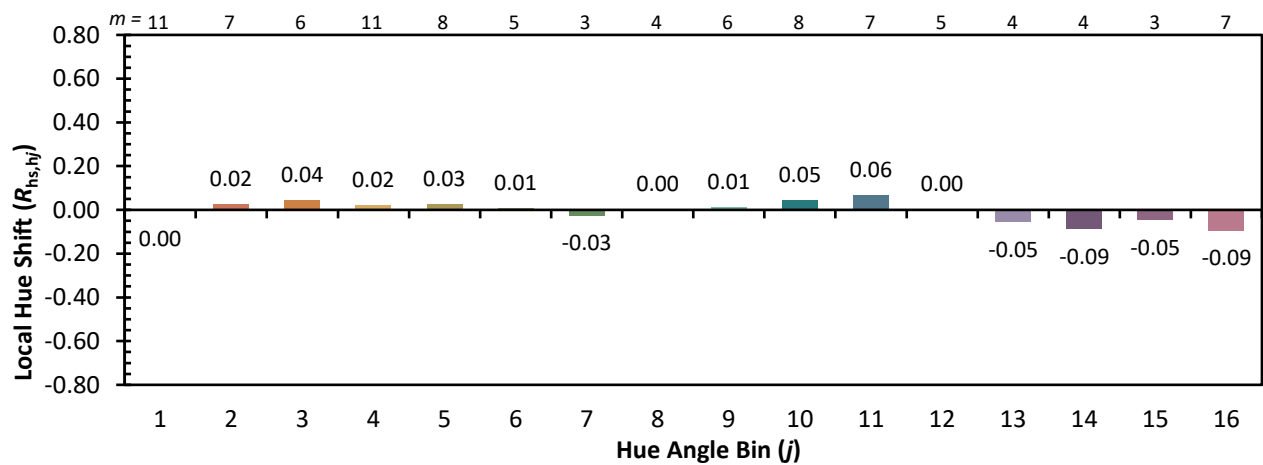
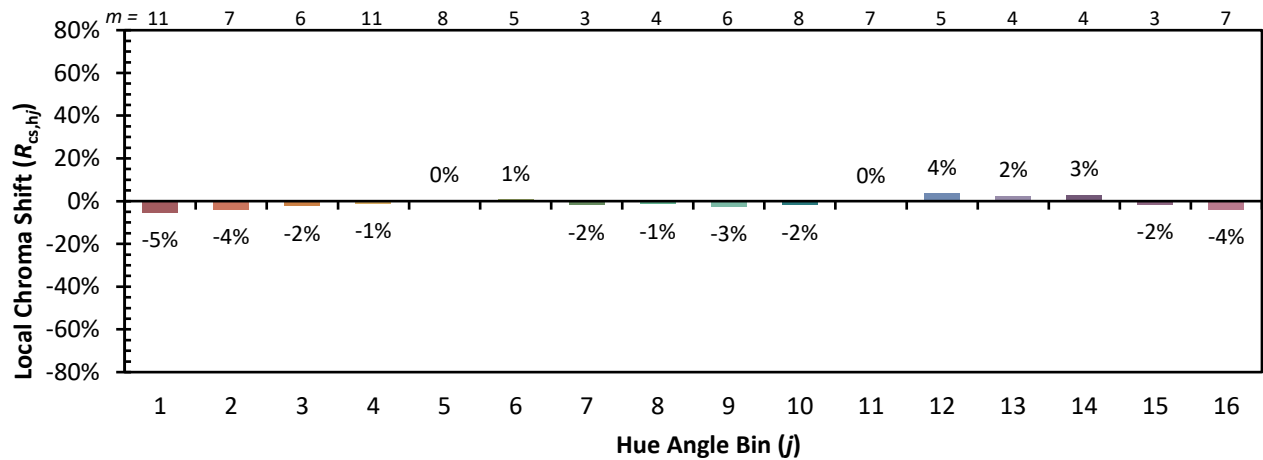


Individual Sample Fidelity Index ($R_{f,i}$)

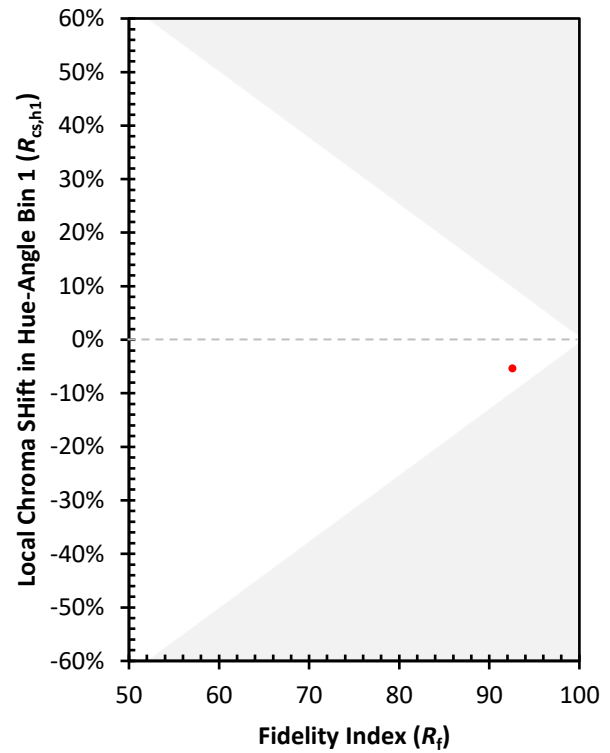
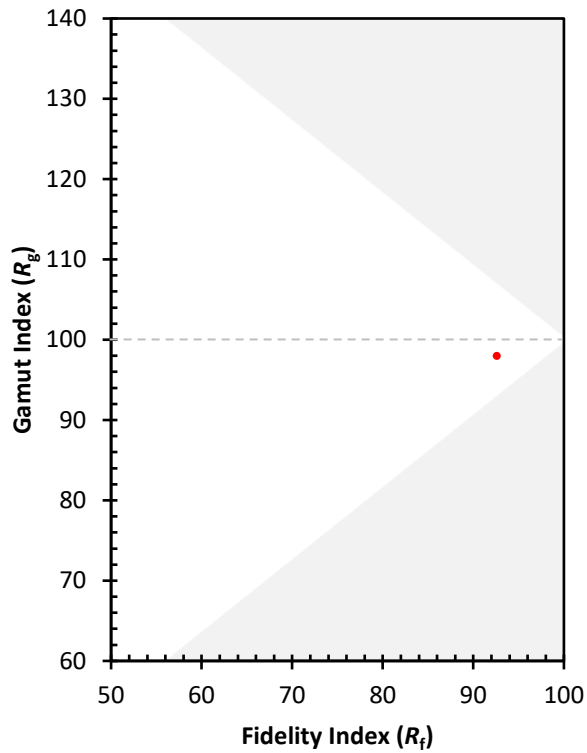
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)