

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: P1049959

Luminaire Tested: **GALN-SA8C-930-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049959
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8C-930-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 8xLight Square PACKAGE
90CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27795 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

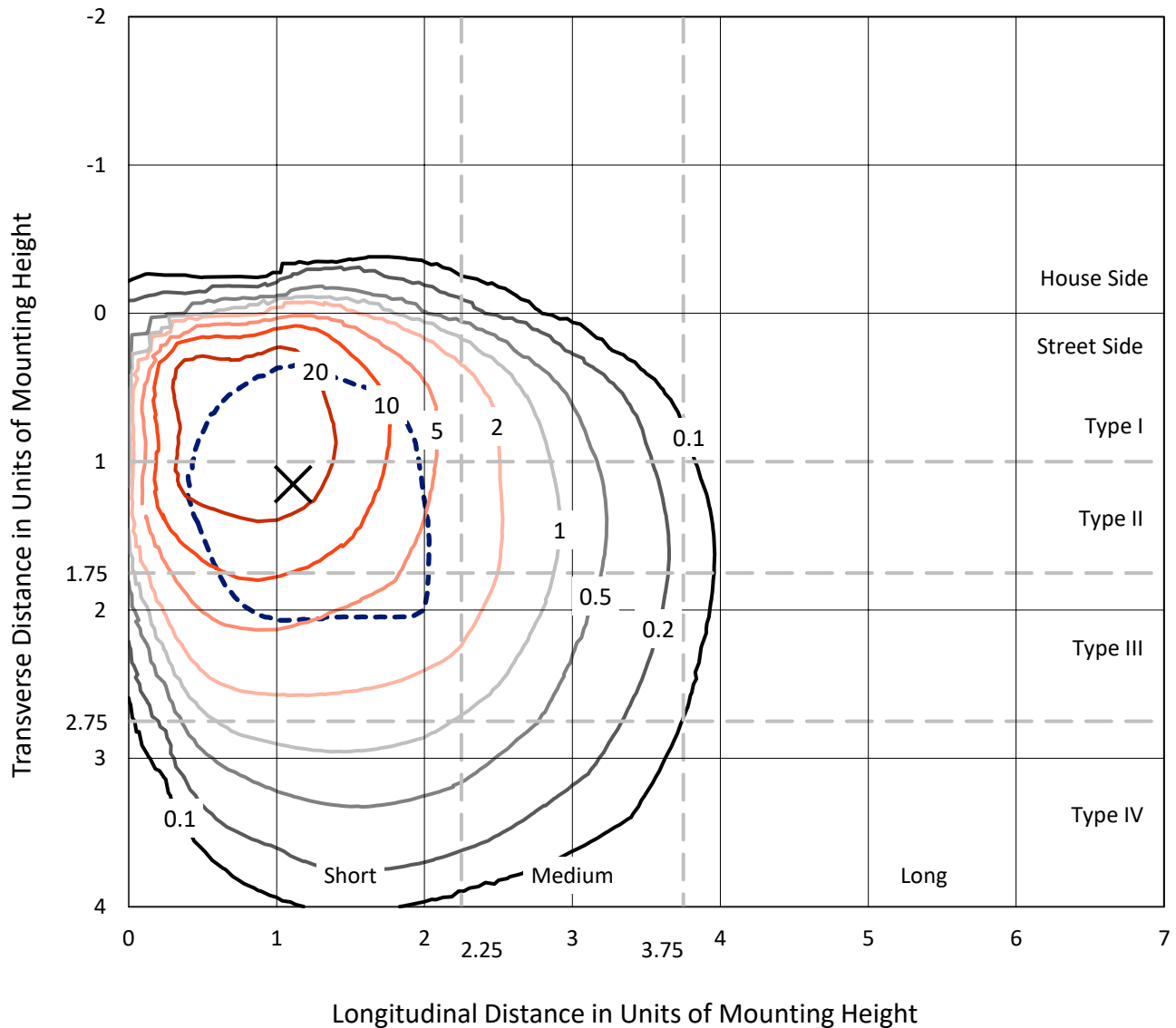
Input Watts (W): 372.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049959

CATALOG NUMBER: GALN-SA8C-930-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

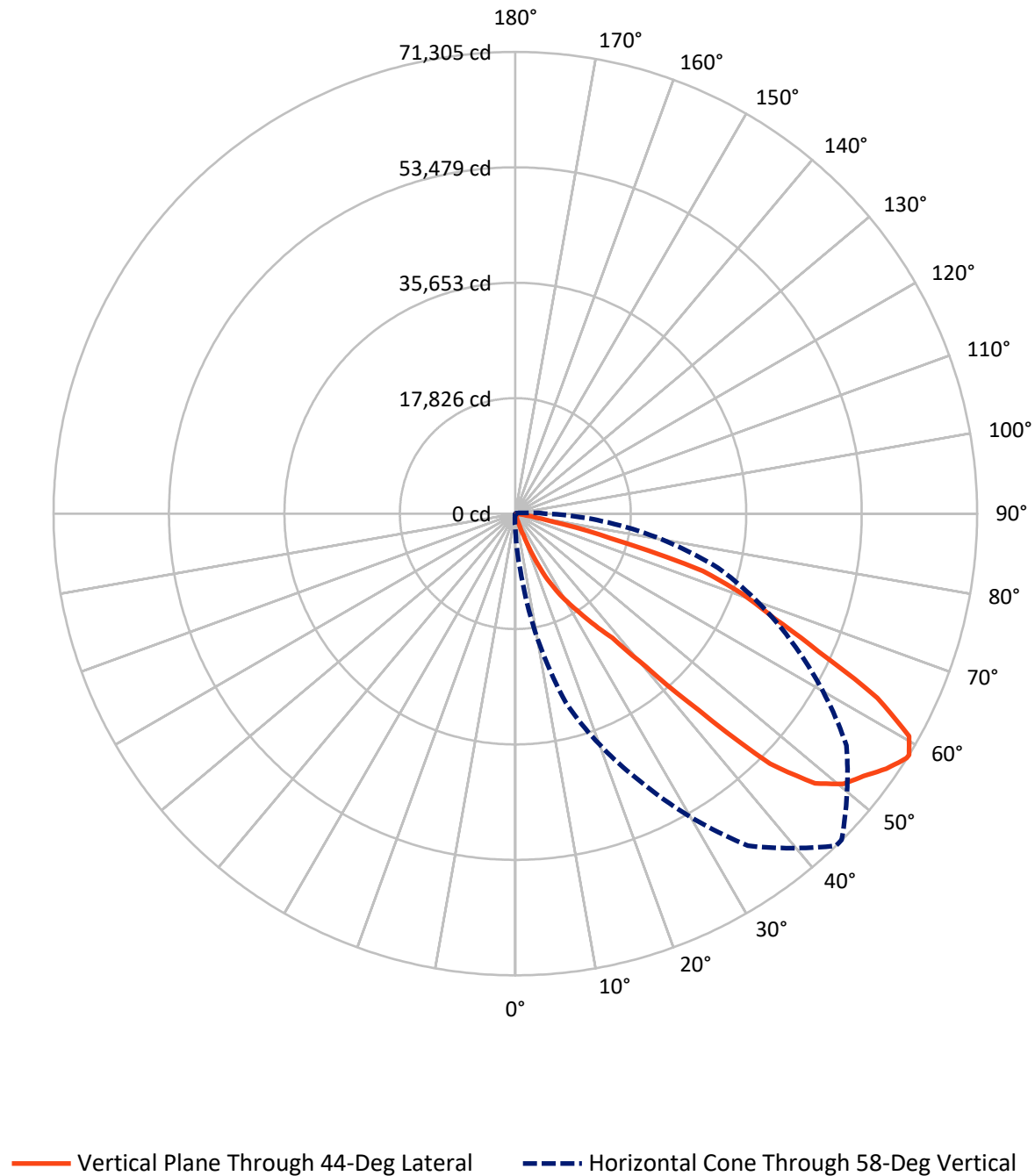
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 48.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1049959
CATALOG NUMBER: GALN-SA8C-930-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049959

CATALOG NUMBER: GALN-SA8C-930-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	189.8	0.0	189.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	27605.2	0.0	27605.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	27795.0	0.0	27795.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.0
10°-20°	61.0	0.2
20°-30°	658.5	2.4
30°-40°	1947.3	7.0
40°-50°	5804.0	20.9
50°-60°	9209.6	33.1
60°-70°	7681.9	27.6
70°-80°	2369.2	8.5
80°-90°	52.6	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°	27795.0	100.0
0°-180°	27795.0	100.0



REPORT NUMBER: P1049959

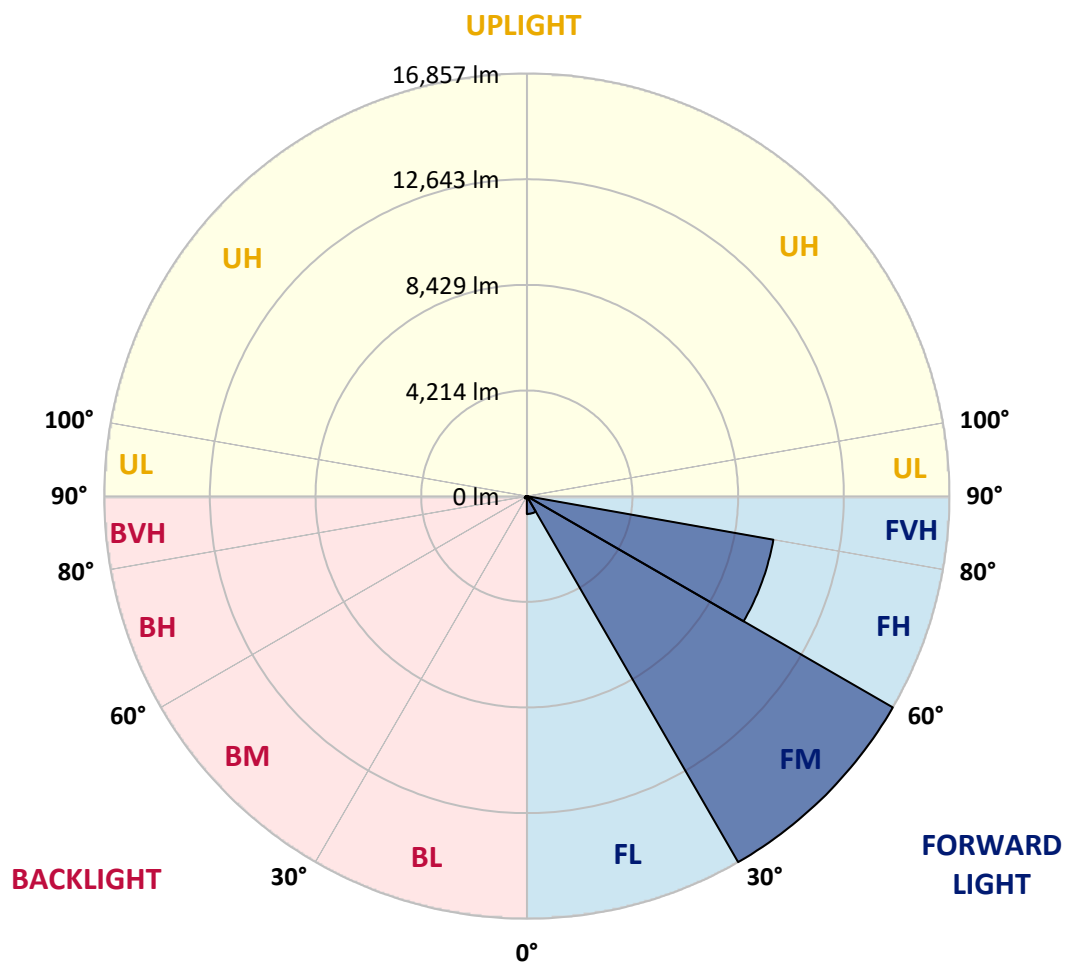
CATALOG NUMBER: GALN-SA8C-930-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	711.7	2.6			
FM	(30°-60°)	16857.1	60.6			
FH	(60°-80°)	9986.3	35.9			G4/12000
FVH	(80°-90°)	50.1	0.2			G1/100
BL	(0°-30°)	18.6	0.1	B0/110		
BM	(30°-60°)	103.9	0.4	B0/220		
BH	(60°-80°)	64.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G4

Type III Short





REPORT NUMBER: P1049959

CATALOG NUMBER: GALN-SA8C-930-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
2.5°	157.5	157.5	151.2	142.8	134.4	126.0	123.9	119.7	117.6	115.5
5°	163.8	163.8	161.7	155.4	147.0	140.7	140.7	134.4	130.2	126.0
7.5°	168.0	170.1	174.3	172.2	168.0	161.7	161.7	157.5	151.2	140.7
10°	174.3	180.6	189.0	193.2	195.3	195.3	193.2	191.1	180.6	165.9
12.5°	180.6	193.2	214.2	235.2	247.8	264.6	262.5	258.3	231.0	199.5
15°	193.2	212.1	256.2	317.1	411.5	470.3	493.4	472.4	382.1	268.8
17.5°	207.9	239.4	371.6	663.5	1087.6	1289.2	1411.0	1312.3	869.3	510.2
20°	222.6	291.9	690.8	1719.6	2822.0	3481.3	3663.9	3378.4	2169.0	972.1
22.5°	247.8	409.4	1400.5	3554.8	6080.7	7069.6	7256.5	6343.1	4096.5	1919.1
25°	300.3	594.2	2414.6	5793.0	9074.8	10744.0	10666.4	9469.5	6645.5	3065.5
27.5°	375.8	865.1	3651.3	8230.7	11943.0	13414.8	13591.2	12110.9	8858.5	4508.0
30°	485.0	1198.9	4978.3	10183.4	14242.1	15833.7	15863.1	14332.4	10838.5	5774.1
32.5°	590.0	1513.9	6139.5	12071.0	16507.7	18252.5	18382.7	16499.3	12316.7	7092.7
35°	669.8	1719.6	7315.3	13729.8	18792.1	21196.2	21187.8	18951.7	14067.8	8270.6
37.5°	676.1	1925.4	8379.8	15426.3	21685.5	24377.2	24643.9	22178.9	16184.3	9727.8
40°	661.4	2156.4	9727.8	18071.9	26898.9	31029.0	31264.2	28156.7	20429.8	12222.2
42.5°	678.2	2557.4	11915.7	22957.9	35555.9	41487.5	41941.0	38673.9	28234.3	17311.8
45°	766.4	3311.2	16499.3	31131.9	47895.7	55127.0	54975.8	50270.4	37315.4	25059.6
47.5°	1058.2	5156.8	23293.8	39087.6	55782.1	62221.8	62352.0	56601.0	42615.0	31016.4
50°	1627.2	7890.6	29002.8	43293.2	59173.1	65633.8	65512.0	58866.5	44628.6	33949.7
52.5°	2116.5	9868.5	31866.8	44769.3	59607.7	67319.8	67311.4	59462.8	44941.5	34201.6
55°	2238.3	10017.6	31889.9	44849.1	60581.9	69526.6	69803.7	60930.5	45346.7	33101.4
57.5°	2190.0	8869.0	30558.7	45311.0	62316.3	71233.6	71248.3	62352.0	46375.5	32427.4
58°	2148.0	8688.5	30289.9	45573.5	62614.4	71305.0	71269.3	62417.1	47213.3	32402.2
60°	1912.8	7544.1	29242.2	46243.3	62171.4	69839.4	69505.6	60995.6	47089.4	32143.9
62.5°	1503.4	5885.4	28211.2	45468.5	57421.9	62744.6	62883.2	54001.6	42927.9	30638.5
65°	1196.8	4386.2	26061.2	39883.3	47284.7	51526.0	52042.6	43912.6	35831.0	25943.6
67.5°	953.3	3170.5	21861.8	31753.4	37416.2	43003.5	43379.3	36868.2	27759.8	19877.6
70°	774.8	2143.8	15090.4	23222.4	30861.0	37143.3	37166.4	30628.0	20719.6	13024.3
72.5°	686.6	1484.5	8759.8	16936.0	25023.9	30266.8	29655.8	24853.9	15923.9	7714.2
75°	594.2	984.7	4295.9	10353.5	15172.3	15275.1	15508.2	11529.3	7959.9	3668.1
77.5°	489.2	699.2	1692.3	2828.3	4550.0	5824.5	6040.8	4577.3	2647.7	902.9
80°	335.9	331.7	455.6	867.2	1301.8	1631.4	1522.3	1177.9	692.9	346.4
82.5°	144.9	157.5	205.8	247.8	201.6	195.3	186.9	119.7	92.4	71.4
85°	46.2	42.0	44.1	44.1	35.7	27.3	27.3	12.6	0.0	0.0
87.5°	23.1	18.9	18.9	16.8	10.5	4.2	2.1	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: P1049959

CATALOG NUMBER: GALN-SA8C-930-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
121.8	0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
113.4	2.5°	111.3	111.3	107.1	102.9	100.8	96.6	94.5	92.4	90.3	88.2
121.8	5°	117.6	115.5	109.2	102.9	96.6	90.3	86.1	81.9	77.7	75.6
134.4	7.5°	128.1	123.9	111.3	100.8	92.4	84.0	79.8	73.5	69.3	63.0
149.1	10°	140.7	132.3	115.5	102.9	90.3	79.8	73.5	67.2	60.9	52.5
170.1	12.5°	157.5	142.8	121.8	100.8	86.1	73.5	67.2	58.8	52.5	46.2
197.4	15°	172.2	153.3	123.9	100.8	81.9	67.2	58.8	50.4	44.1	35.7
247.8	17.5°	193.2	161.7	121.8	94.5	75.6	58.8	50.4	44.1	33.6	21.0
367.4	20°	228.9	168.0	117.6	88.2	65.1	48.3	37.8	29.4	14.7	4.2
552.2	22.5°	285.6	184.8	113.4	79.8	56.7	37.8	25.2	10.5	0.0	0.0
839.9	25°	394.7	214.2	113.4	75.6	50.4	27.3	8.4	0.0	0.0	0.0
1192.6	27.5°	524.9	254.1	113.4	65.1	39.9	14.7	0.0	0.0	0.0	0.0
1625.1	30°	657.2	298.2	113.4	56.7	31.5	2.1	0.0	0.0	0.0	0.0
2001.0	32.5°	783.2	335.9	115.5	48.3	21.0	0.0	0.0	0.0	0.0	0.0
2521.7	35°	911.3	342.2	113.4	42.0	12.6	0.0	0.0	0.0	0.0	0.0
3160.0	37.5°	1075.0	329.6	107.1	37.8	6.3	0.0	0.0	0.0	0.0	0.0
4157.4	40°	1322.8	335.9	100.8	35.7	2.1	0.0	0.0	0.0	0.0	0.0
5935.8	42.5°	1780.5	363.2	92.4	35.7	0.0	0.0	0.0	0.0	0.0	0.0
9454.8	45°	3078.1	487.1	84.0	37.8	0.0	0.0	0.0	0.0	0.0	0.0
14193.8	47.5°	5091.7	875.6	81.9	37.8	0.0	0.0	0.0	0.0	0.0	0.0
17097.7	50°	6498.5	1102.3	86.1	39.9	0.0	0.0	0.0	0.0	0.0	0.0
17460.9	52.5°	6488.0	1228.3	90.3	42.0	8.4	0.0	0.0	0.0	0.0	0.0
16094.0	55°	5767.8	1251.4	96.6	46.2	27.3	0.0	0.0	0.0	0.0	0.0
13830.6	57.5°	4820.9	1142.2	111.3	56.7	50.4	0.0	0.0	0.0	0.0	0.0
13475.7	58°	4652.9	1091.8	115.5	58.8	54.6	0.0	0.0	0.0	0.0	0.0
11688.9	60°	3813.0	890.3	147.0	73.5	73.5	0.0	0.0	0.0	0.0	0.0
9582.9	62.5°	2633.0	776.9	168.0	94.5	75.6	0.0	0.0	0.0	0.0	0.0
7065.4	65°	1862.4	701.3	182.7	100.8	60.9	0.0	0.0	0.0	0.0	0.0
5020.3	67.5°	1392.1	646.7	201.6	102.9	31.5	0.0	0.0	0.0	0.0	0.0
3149.5	70°	1066.6	606.8	247.8	109.2	8.4	0.0	0.0	0.0	0.0	0.0
1877.1	72.5°	869.3	560.6	300.3	113.4	0.0	0.0	0.0	0.0	0.0	0.0
1125.4	75°	720.2	506.0	289.8	123.9	0.0	0.0	0.0	0.0	0.0	0.0
600.5	77.5°	478.7	392.6	264.6	123.9	0.0	0.0	0.0	0.0	0.0	0.0
214.2	80°	168.0	155.4	205.8	109.2	0.0	0.0	0.0	0.0	0.0	0.0
44.1	82.5°	25.2	21.0	29.4	37.8	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: P1049959

CATALOG NUMBER: GALN-SA8C-930-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
121.8	0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
86.1	2.5°	86.1	86.1	84.0	86.1	86.1	90.3	100.8	115.5	132.3	138.6
73.5	5°	71.4	69.3	67.2	67.2	67.2	73.5	81.9	98.7	117.6	126.0
60.9	7.5°	58.8	56.7	54.6	52.5	52.5	56.7	67.2	86.1	105.0	113.4
50.4	10°	48.3	44.1	42.0	39.9	39.9	44.1	54.6	73.5	94.5	102.9
42.0	12.5°	39.9	33.6	29.4	27.3	25.2	31.5	42.0	58.8	81.9	92.4
31.5	15°	27.3	21.0	14.7	12.6	10.5	16.8	27.3	46.2	69.3	81.9
16.8	17.5°	14.7	6.3	2.1	0.0	0.0	4.2	12.6	33.6	56.7	67.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	42.0	52.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	25.2	35.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	18.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
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	6.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	16.8
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: P1049959

CATALOG NUMBER: GALN-SA8C-930-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
121.8	0°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8
144.9	2.5°	149.1	147.0	142.8	138.6	138.6	138.6	144.9	151.2	157.5	157.5
130.2	5°	138.6	138.6	136.5	132.3	132.3	134.4	142.8	153.3	161.7	163.8
119.7	7.5°	128.1	132.3	128.1	126.0	128.1	130.2	138.6	151.2	163.8	168.0
111.3	10°	121.8	123.9	123.9	121.8	121.8	126.0	134.4	151.2	168.0	174.3
100.8	12.5°	113.4	117.6	115.5	115.5	115.5	119.7	130.2	149.1	172.2	180.6
90.3	15°	105.0	111.3	111.3	109.2	109.2	111.3	126.0	147.0	178.5	193.2
77.7	17.5°	96.6	102.9	105.0	100.8	100.8	105.0	119.7	147.0	182.7	207.9
63.0	20°	79.8	90.3	96.6	90.3	90.3	94.5	109.2	138.6	184.8	222.6
46.2	22.5°	63.0	73.5	81.9	79.8	79.8	81.9	100.8	132.3	186.9	247.8
27.3	25°	46.2	56.7	63.0	67.2	67.2	73.5	92.4	128.1	195.3	300.3
12.6	27.5°	27.3	39.9	48.3	52.5	54.6	63.0	86.1	123.9	210.0	375.8
0.0	30°	12.6	23.1	33.6	42.0	42.0	56.7	79.8	119.7	228.9	485.0
0.0	32.5°	0.0	10.5	16.8	29.4	31.5	46.2	73.5	115.5	256.2	590.0
0.0	35°	0.0	0.0	8.4	23.1	23.1	37.8	67.2	111.3	298.2	669.8
0.0	37.5°	0.0	0.0	0.0	16.8	18.9	33.6	65.1	109.2	306.6	676.1
0.0	40°	0.0	0.0	0.0	12.6	14.7	31.5	65.1	111.3	277.2	661.4
0.0	42.5°	0.0	0.0	0.0	8.4	10.5	31.5	65.1	115.5	249.9	678.2
0.0	45°	0.0	0.0	0.0	6.3	8.4	33.6	63.0	113.4	235.2	766.4
0.0	47.5°	0.0	0.0	0.0	8.4	12.6	33.6	60.9	111.3	237.3	1058.2
0.0	50°	0.0	0.0	0.0	10.5	14.7	33.6	63.0	107.1	260.4	1627.2
0.0	52.5°	0.0	0.0	0.0	8.4	12.6	37.8	69.3	105.0	283.5	2116.5
0.0	55°	0.0	0.0	0.0	2.1	6.3	48.3	75.6	105.0	319.2	2238.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	54.6	86.1	111.3	377.9	2190.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	54.6	88.2	111.3	382.1	2148.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	54.6	96.6	123.9	411.5	1912.8
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	46.2	115.5	155.4	428.3	1503.4
0.0	65°	0.0	0.0	0.0	0.0	0.0	37.8	136.5	170.1	440.9	1196.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	35.7	140.7	172.2	447.2	953.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	37.8	138.6	184.8	468.2	774.8
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	42.0	126.0	203.7	468.2	686.6
0.0	75°	0.0	0.0	0.0	0.0	0.0	44.1	117.6	228.9	426.2	594.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	42.0	115.5	266.7	380.0	489.2
0.0	80°	4.2	6.3	6.3	4.2	4.2	35.7	113.4	270.9	323.4	335.9
2.1	82.5°	12.6	16.8	14.7	10.5	10.5	31.5	100.8	226.8	168.0	144.9
12.6	85°	23.1	27.3	27.3	23.1	23.1	29.4	63.0	81.9	56.7	46.2
23.1	87.5°	31.5	35.7	35.7	31.5	31.5	29.4	27.3	25.2	23.1	23.1
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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

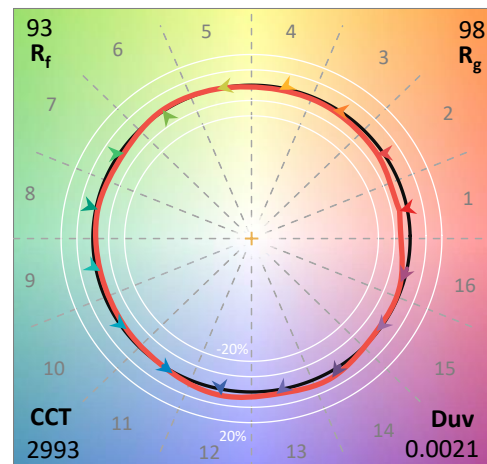
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

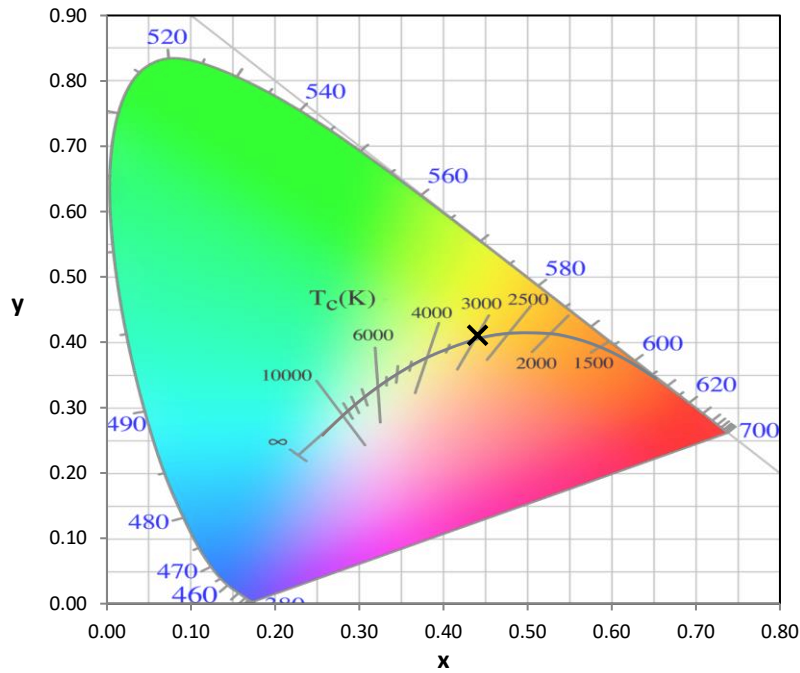
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

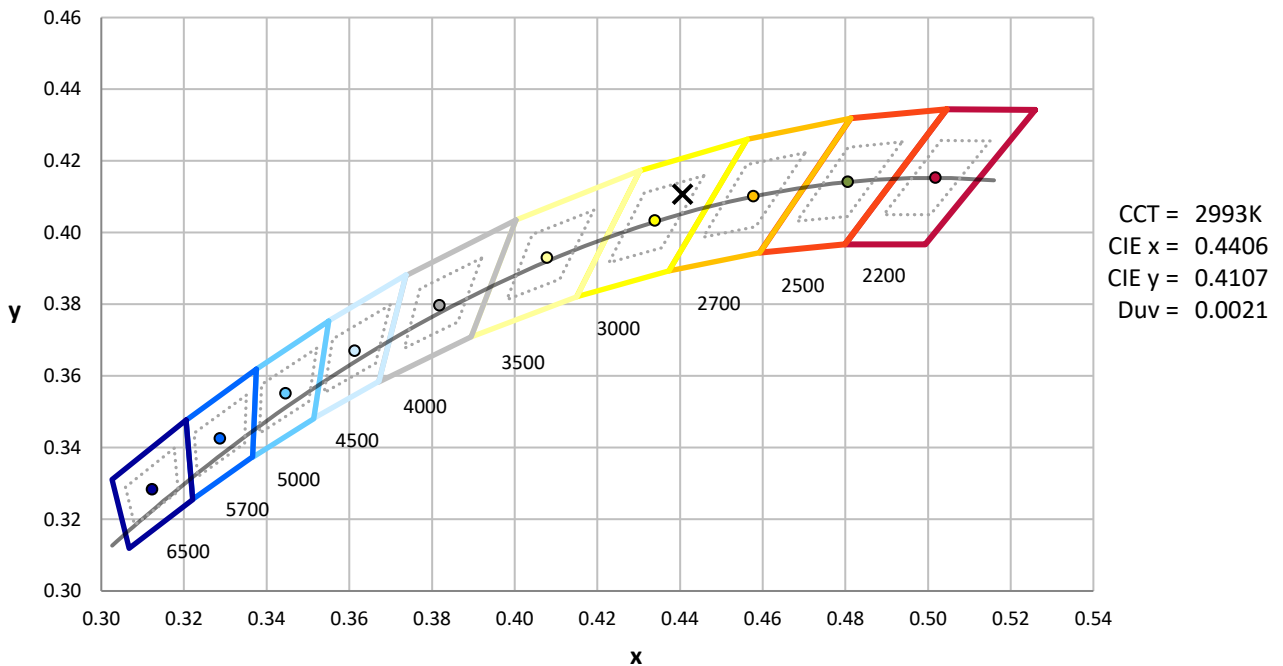
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-14

CIE 1931 Chromaticity Diagram



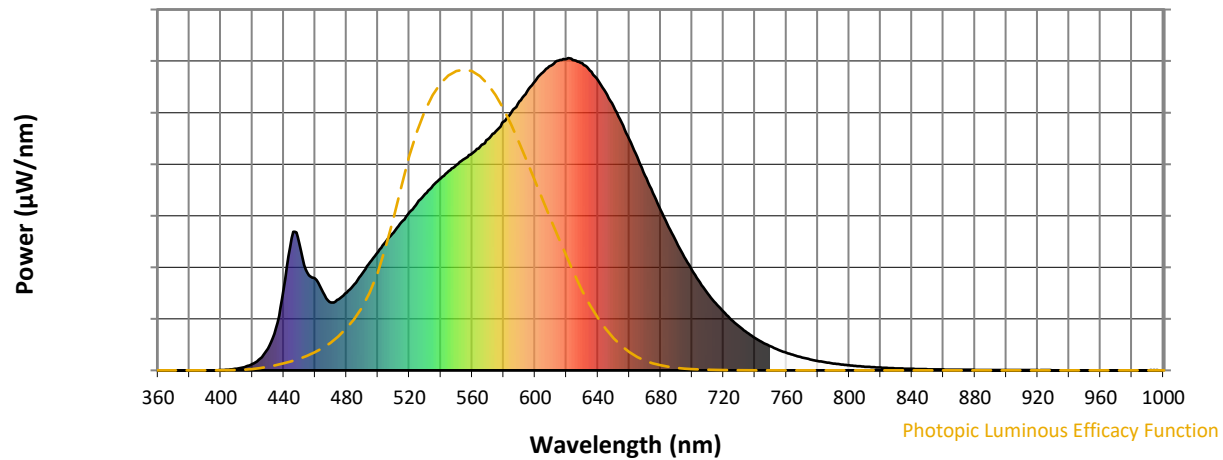
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

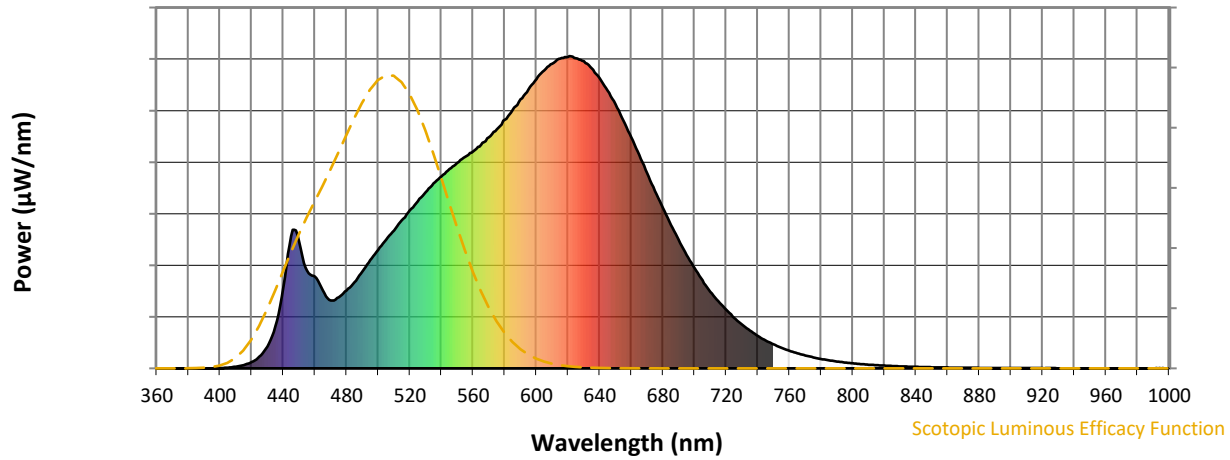


Photopic Lumens: NR

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Scotopic Flux vs. Wavelength



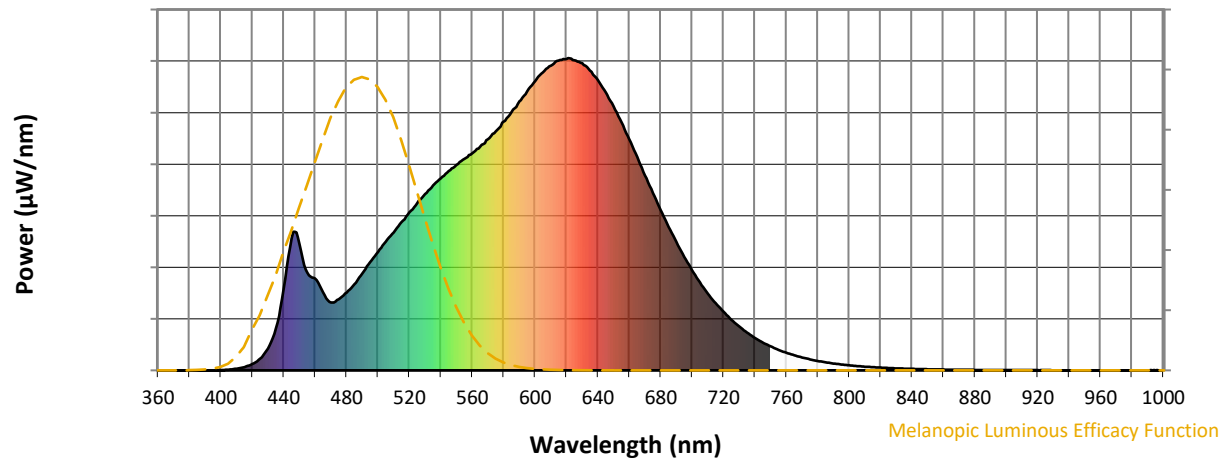
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.69

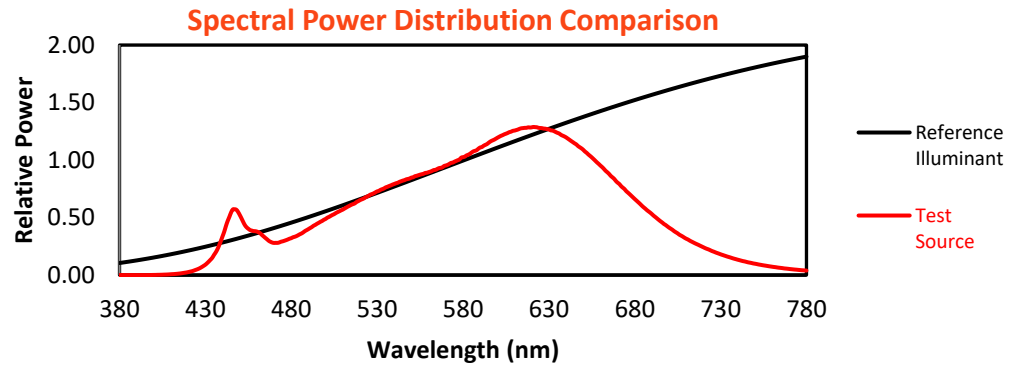
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

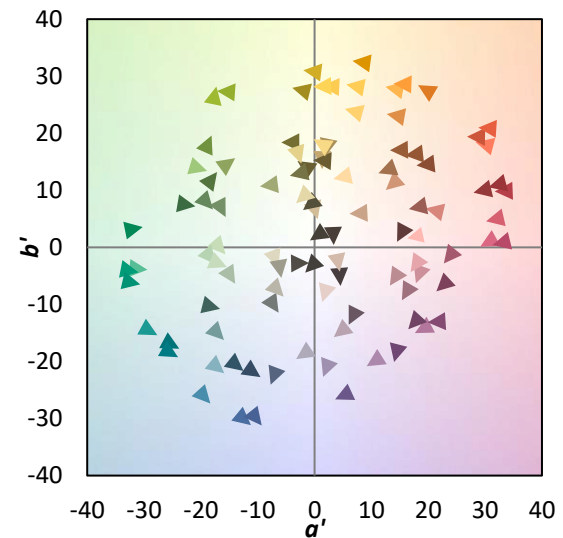
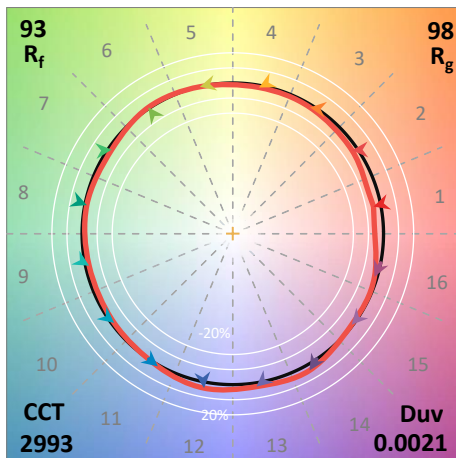
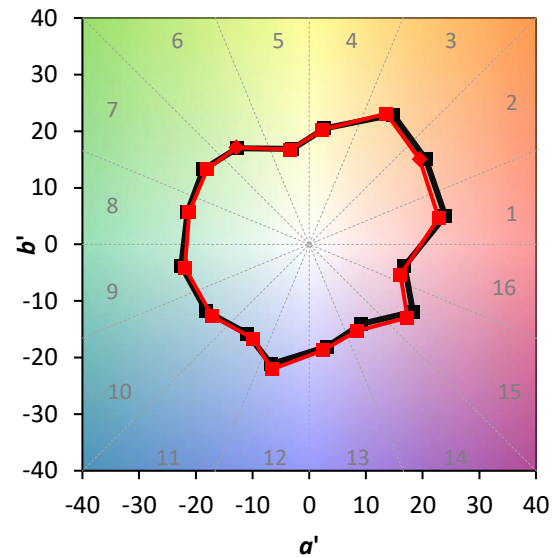
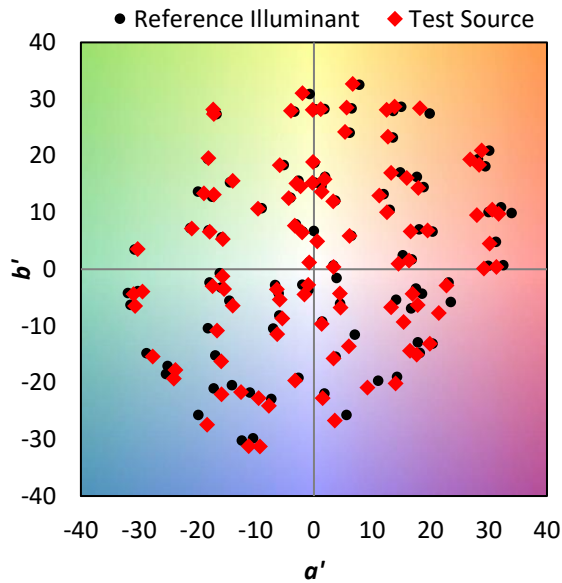
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

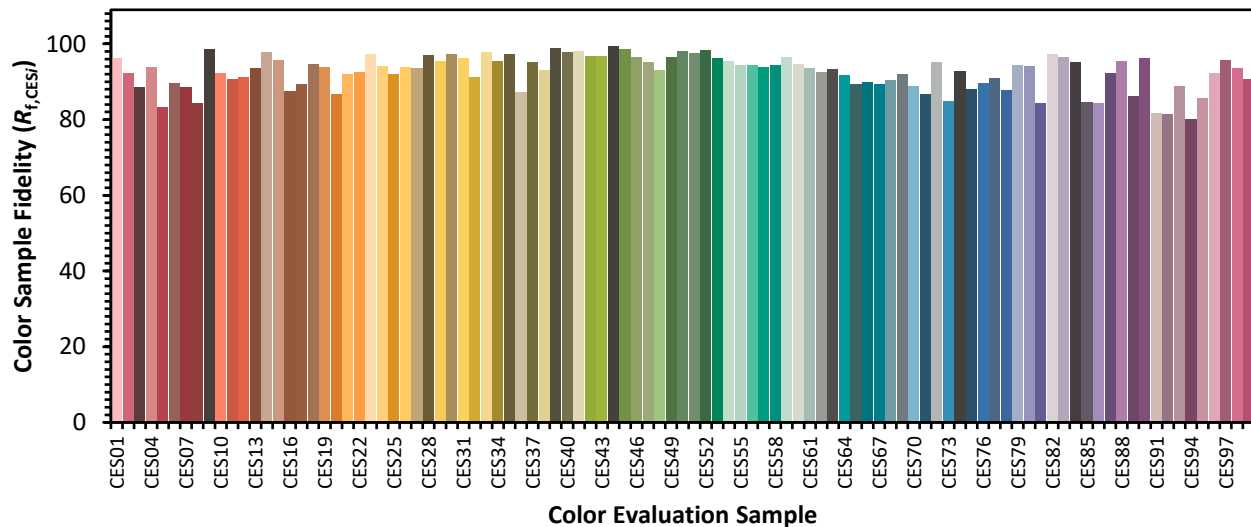


Color Vector Graphics

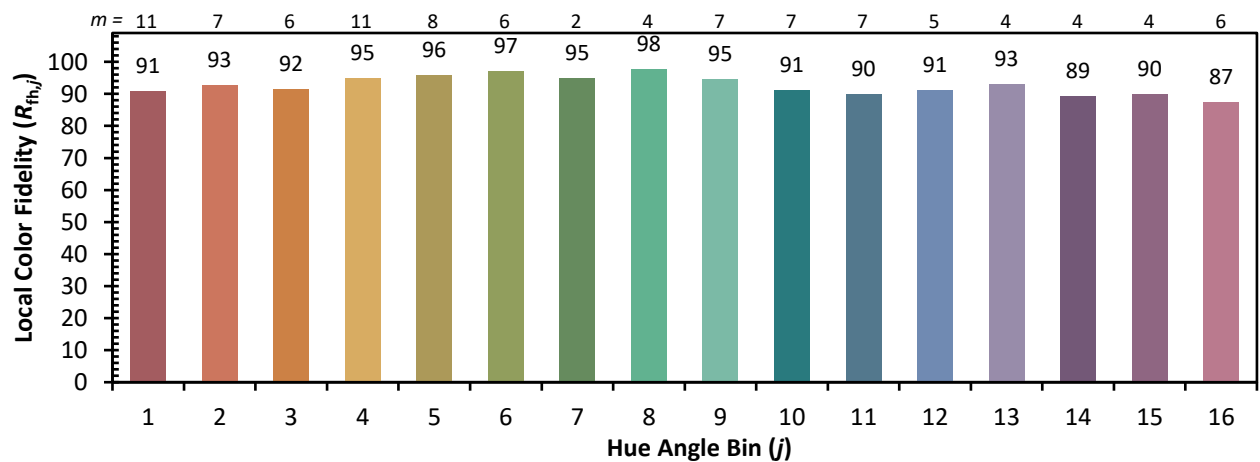
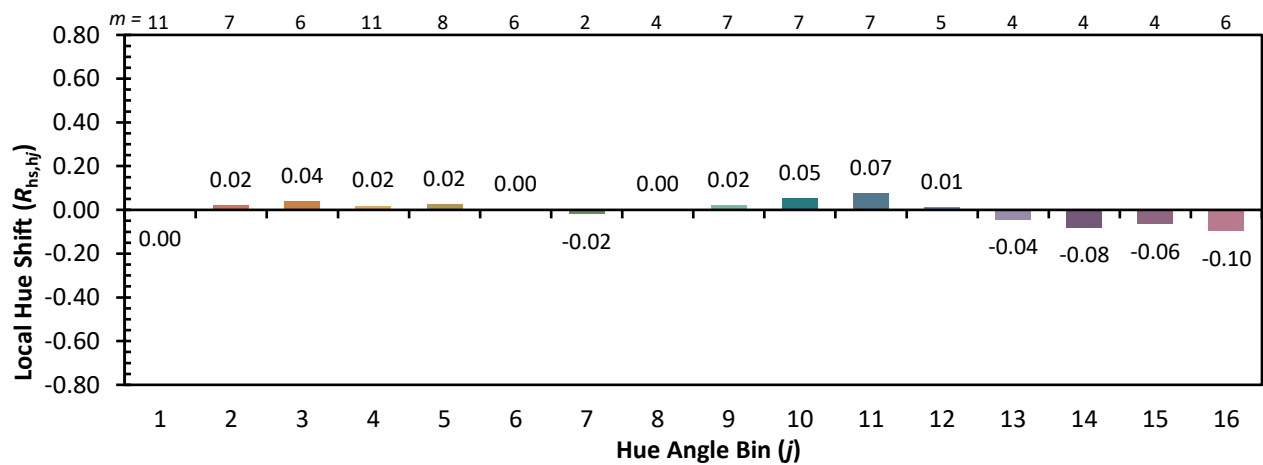
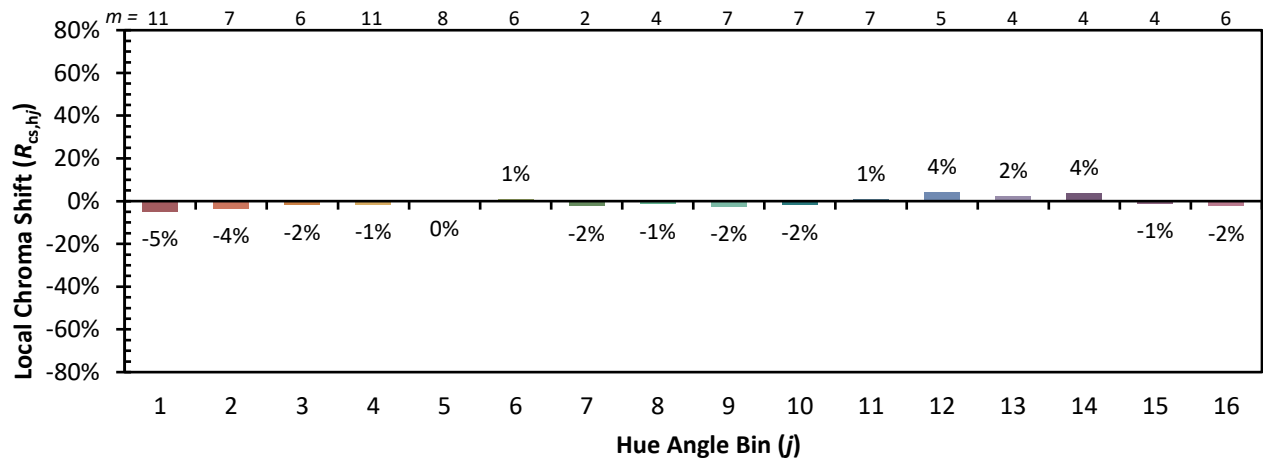


Individual Sample Fidelity Index ($R_{f,i}$)

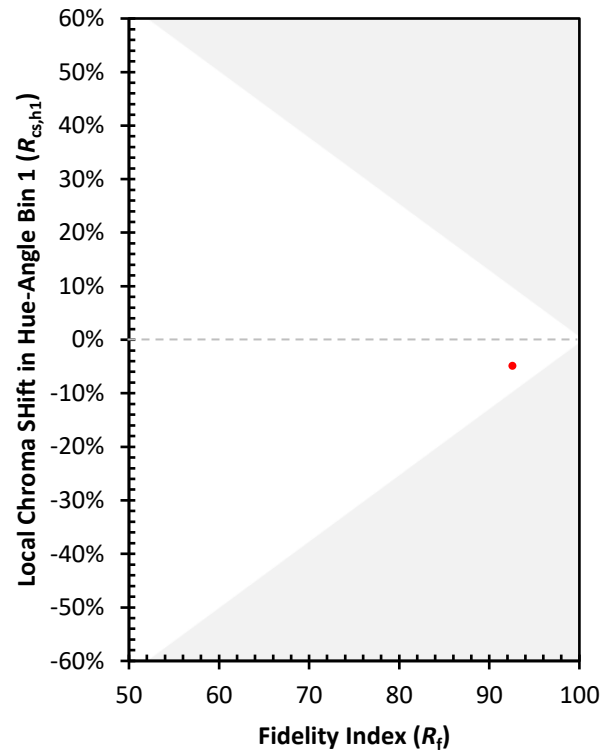
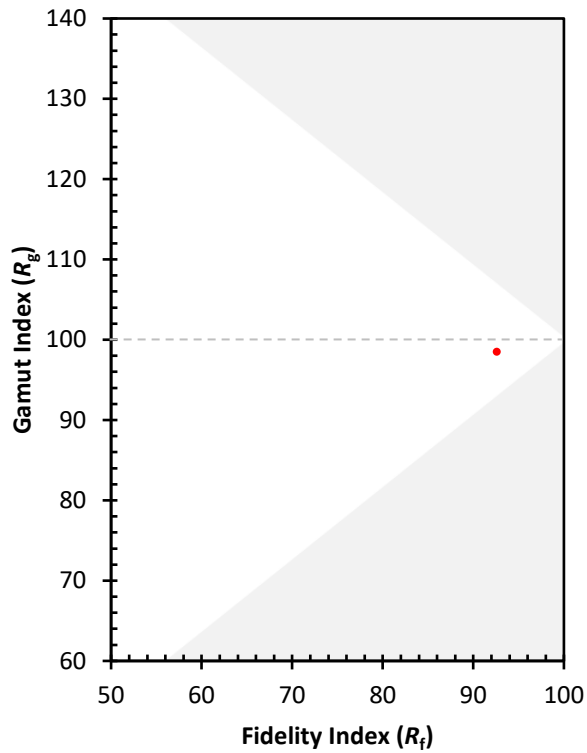
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)