

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: P1049606

Luminaire Tested: **GALN-SA1B-735-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049606
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4092 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

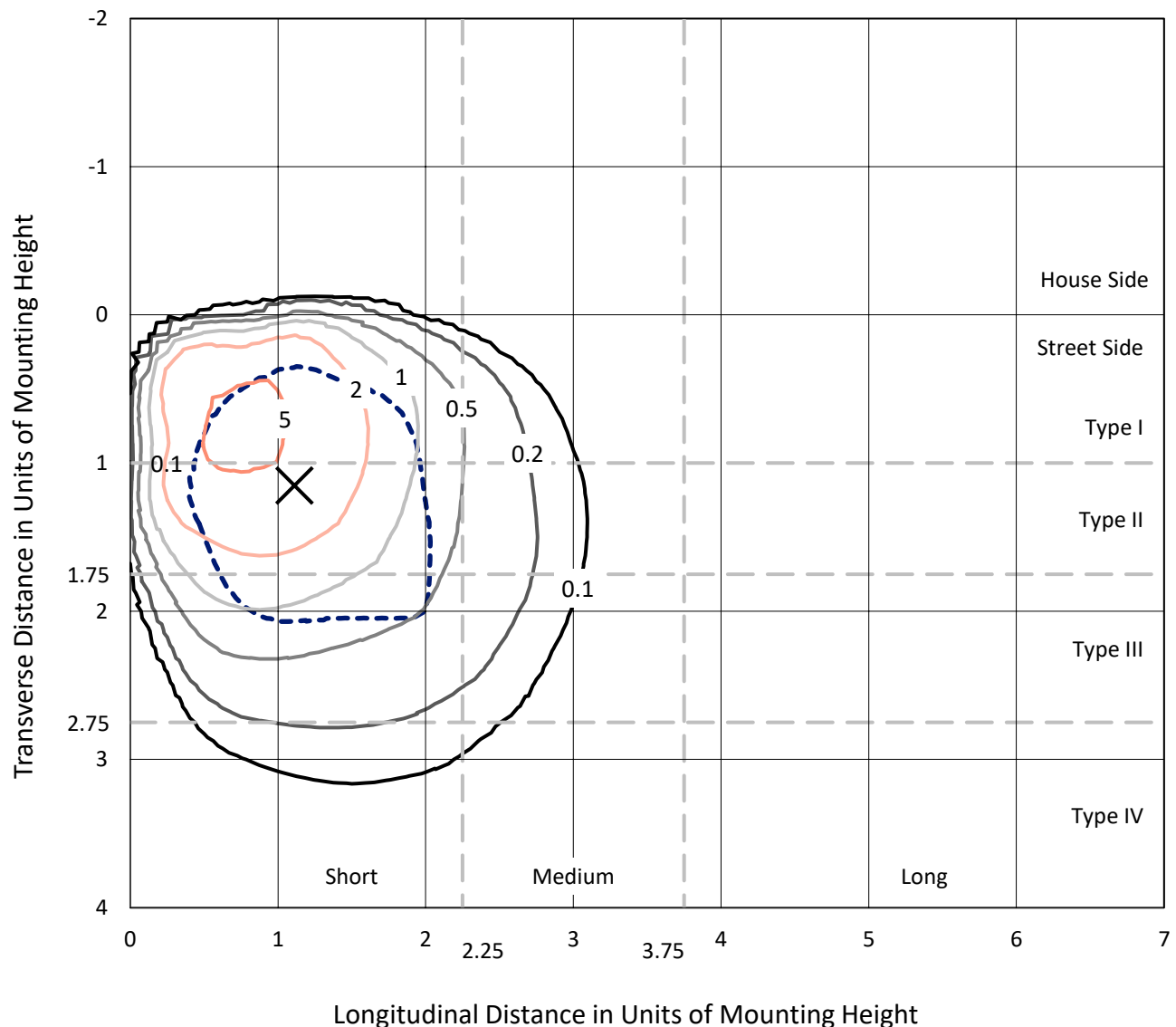
Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049606

CATALOG NUMBER: GALN-SA1B-735-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

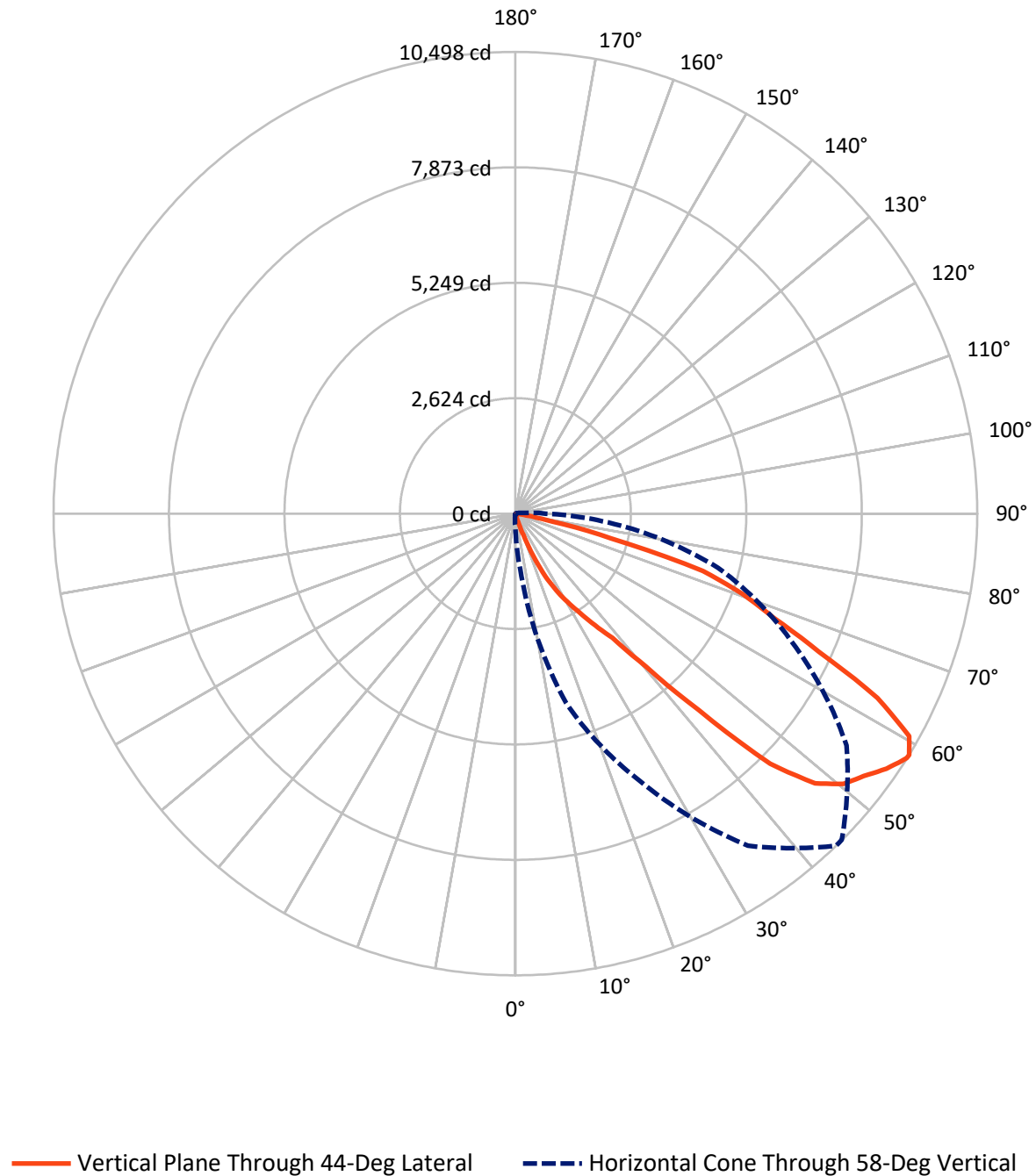
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

REPORT NUMBER: P1049606
CATALOG NUMBER: GALN-SA1B-735-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049606

CATALOG NUMBER: GALN-SA1B-735-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.9	0.0	27.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	4064.0	0.0	4064.0
	% Fixture	99.3	0.0	99.3
Total	Lumens	4092.0	0.0	4092.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	9.0	0.2
20°-30°	96.9	2.4
30°-40°	286.7	7.0
40°-50°	854.5	20.9
50°-60°	1355.8	33.1
60°-70°	1130.9	27.6
70°-80°	348.8	8.5
80°-90°	7.7	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°	4092.0	100.0
0°-180°	4092.0	100.0



REPORT NUMBER: P1049606

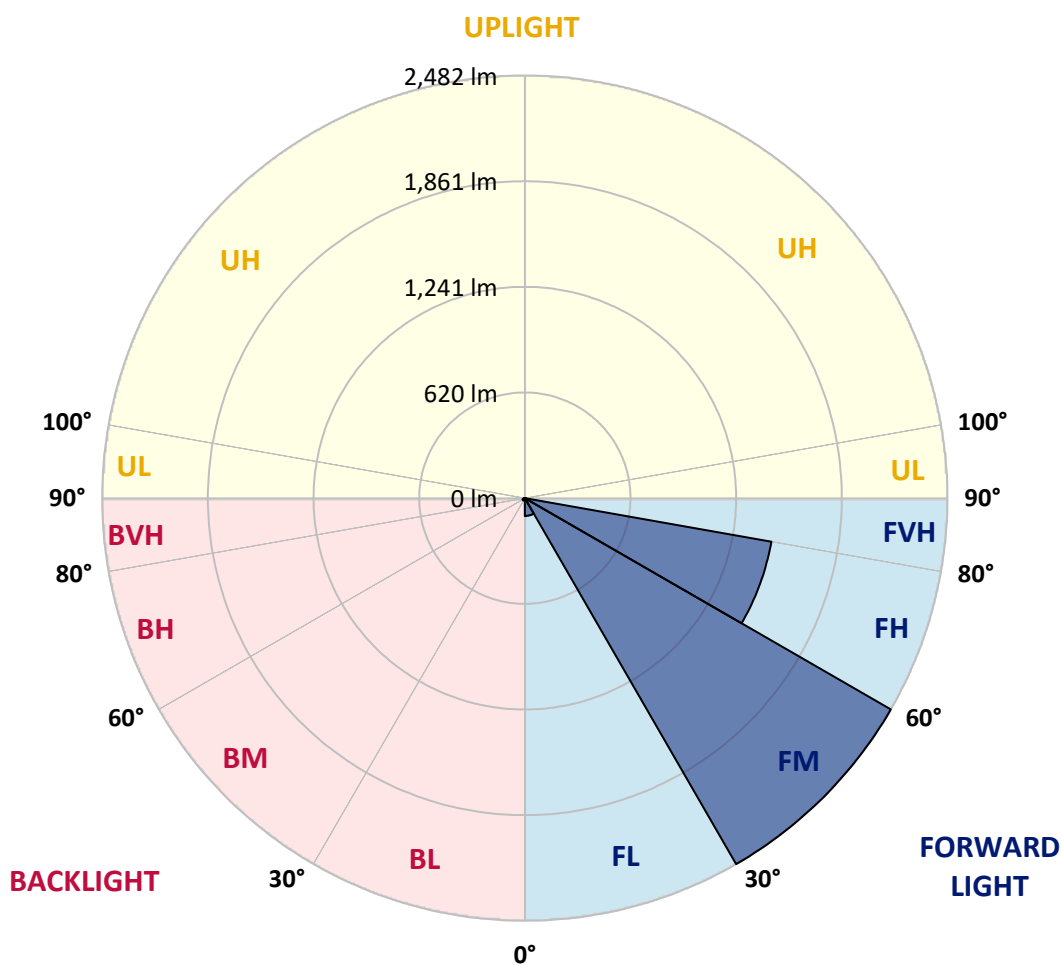
CATALOG NUMBER: GALN-SA1B-735-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.8	2.6			
FM	(30°-60°)	2481.7	60.6			
FH	(60°-80°)	1470.2	35.9			G1/1800
FVH	(80°-90°)	7.4	0.2			G0/10
BL	(0°-30°)	2.7	0.1	B0/110		
BM	(30°-60°)	15.3	0.4	B0/220		
BH	(60°-80°)	9.5	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



REPORT NUMBER: P1049606

CATALOG NUMBER: GALN-SA1B-735-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
2.5°	23.2	23.2	22.3	21.0	19.8	18.5	18.2	17.6	17.3	17.0
5°	24.1	24.1	23.8	22.9	21.6	20.7	20.7	19.8	19.2	18.5
7.5°	24.7	25.0	25.7	25.3	24.7	23.8	23.8	23.2	22.3	20.7
10°	25.7	26.6	27.8	28.4	28.7	28.7	28.4	28.1	26.6	24.4
12.5°	26.6	28.4	31.5	34.6	36.5	38.9	38.6	38.0	34.0	29.4
15°	28.4	31.2	37.7	46.7	60.6	69.2	72.6	69.6	56.3	39.6
17.5°	30.6	35.2	54.7	97.7	160.1	189.8	207.7	193.2	128.0	75.1
20°	32.8	43.0	101.7	253.2	415.5	512.5	539.4	497.4	319.3	143.1
22.5°	36.5	60.3	206.2	523.3	895.2	1040.8	1068.3	933.8	603.1	282.5
25°	44.2	87.5	355.5	852.8	1336.0	1581.7	1570.3	1394.1	978.3	451.3
27.5°	55.3	127.4	537.6	1211.7	1758.2	1974.9	2000.9	1783.0	1304.2	663.7
30°	71.4	176.5	732.9	1499.2	2096.7	2331.0	2335.4	2110.0	1595.7	850.1
32.5°	86.9	222.9	903.9	1777.1	2430.3	2687.1	2706.3	2429.0	1813.3	1044.2
35°	98.6	253.2	1077.0	2021.3	2766.6	3120.5	3119.3	2790.1	2071.1	1217.6
37.5°	99.5	283.5	1233.7	2271.1	3192.5	3588.8	3628.1	3265.2	2382.7	1432.1
40°	97.4	317.5	1432.1	2660.6	3960.1	4568.1	4602.7	4145.2	3007.7	1799.4
42.5°	99.8	376.5	1754.2	3379.9	5234.6	6107.8	6174.6	5693.6	4156.7	2548.7
45°	112.8	487.5	2429.0	4583.2	7051.2	8115.8	8093.6	7400.8	5493.6	3689.3
47.5°	155.8	759.2	3429.3	5754.5	8212.3	9160.3	9179.5	8332.8	6273.8	4566.2
50°	239.6	1161.7	4269.8	6373.6	8711.5	9662.6	9644.7	8666.3	6570.2	4998.1
52.5°	311.6	1452.8	4691.4	6590.9	8775.5	9910.8	9909.6	8754.1	6616.3	5035.2
55°	329.5	1474.8	4694.8	6602.7	8918.9	10235.7	10276.5	8970.2	6676.0	4873.2
57.5°	322.4	1305.7	4498.9	6670.7	9174.2	10487.0	10489.2	9179.5	6827.4	4774.0
58°	316.2	1279.1	4459.3	6709.3	9218.1	10497.5	10492.3	9189.1	6950.8	4770.3
60°	281.6	1110.6	4305.0	6807.9	9152.9	10281.8	10232.6	8979.8	6932.5	4732.2
62.5°	221.3	866.4	4153.3	6693.9	8453.7	9237.3	9257.7	7950.1	6319.9	4510.6
65°	176.2	645.7	3836.7	5871.6	6961.3	7585.7	7661.7	6464.8	5275.0	3819.4
67.5°	140.3	466.8	3218.5	4674.7	5508.4	6331.0	6386.3	5427.7	4086.8	2926.4
70°	114.1	315.6	2221.6	3418.8	4543.4	5468.2	5471.6	4509.1	3050.3	1917.4
72.5°	101.1	218.5	1289.6	2493.3	3684.0	4455.9	4365.9	3659.0	2344.3	1135.7
75°	87.5	145.0	632.4	1524.2	2233.7	2248.8	2283.1	1697.3	1171.9	540.0
77.5°	72.0	102.9	249.1	416.4	669.9	857.5	889.3	673.9	389.8	132.9
80°	49.5	48.8	67.1	127.7	191.7	240.2	224.1	173.4	102.0	51.0
82.5°	21.3	23.2	30.3	36.5	29.7	28.7	27.5	17.6	13.6	10.5
85°	6.8	6.2	6.5	6.5	5.3	4.0	4.0	1.9	0.0	0.0
87.5°	3.4	2.8	2.8	2.5	1.5	0.6	0.3	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: P1049606

CATALOG NUMBER: GALN-SA1B-735-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
17.9	0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
16.7	2.5°	16.4	16.4	15.8	15.1	14.8	14.2	13.9	13.6	13.3	13.0
17.9	5°	17.3	17.0	16.1	15.1	14.2	13.3	12.7	12.1	11.4	11.1
19.8	7.5°	18.9	18.2	16.4	14.8	13.6	12.4	11.7	10.8	10.2	9.3
21.9	10°	20.7	19.5	17.0	15.1	13.3	11.7	10.8	9.9	9.0	7.7
25.0	12.5°	23.2	21.0	17.9	14.8	12.7	10.8	9.9	8.7	7.7	6.8
29.1	15°	25.3	22.6	18.2	14.8	12.1	9.9	8.7	7.4	6.5	5.3
36.5	17.5°	28.4	23.8	17.9	13.9	11.1	8.7	7.4	6.5	4.9	3.1
54.1	20°	33.7	24.7	17.3	13.0	9.6	7.1	5.6	4.3	2.2	0.6
81.3	22.5°	42.0	27.2	16.7	11.7	8.3	5.6	3.7	1.5	0.0	0.0
123.6	25°	58.1	31.5	16.7	11.1	7.4	4.0	1.2	0.0	0.0	0.0
175.6	27.5°	77.3	37.4	16.7	9.6	5.9	2.2	0.0	0.0	0.0	0.0
239.3	30°	96.8	43.9	16.7	8.3	4.6	0.3	0.0	0.0	0.0	0.0
294.6	32.5°	115.3	49.5	17.0	7.1	3.1	0.0	0.0	0.0	0.0	0.0
371.2	35°	134.2	50.4	16.7	6.2	1.9	0.0	0.0	0.0	0.0	0.0
465.2	37.5°	158.3	48.5	15.8	5.6	0.9	0.0	0.0	0.0	0.0	0.0
612.0	40°	194.7	49.5	14.8	5.3	0.3	0.0	0.0	0.0	0.0	0.0
873.9	42.5°	262.1	53.5	13.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0
1391.9	45°	453.2	71.7	12.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0
2089.6	47.5°	749.6	128.9	12.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0
2517.1	50°	956.7	162.3	12.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0
2570.6	52.5°	955.2	180.8	13.3	6.2	1.2	0.0	0.0	0.0	0.0	0.0
2369.4	55°	849.1	184.2	14.2	6.8	4.0	0.0	0.0	0.0	0.0	0.0
2036.1	57.5°	709.7	168.2	16.4	8.3	7.4	0.0	0.0	0.0	0.0	0.0
1983.9	58°	685.0	160.7	17.0	8.7	8.0	0.0	0.0	0.0	0.0	0.0
1720.8	60°	561.4	131.1	21.6	10.8	10.8	0.0	0.0	0.0	0.0	0.0
1410.8	62.5°	387.6	114.4	24.7	13.9	11.1	0.0	0.0	0.0	0.0	0.0
1040.2	65°	274.2	103.2	26.9	14.8	9.0	0.0	0.0	0.0	0.0	0.0
739.1	67.5°	204.9	95.2	29.7	15.1	4.6	0.0	0.0	0.0	0.0	0.0
463.7	70°	157.0	89.3	36.5	16.1	1.2	0.0	0.0	0.0	0.0	0.0
276.3	72.5°	128.0	82.5	44.2	16.7	0.0	0.0	0.0	0.0	0.0	0.0
165.7	75°	106.0	74.5	42.7	18.2	0.0	0.0	0.0	0.0	0.0	0.0
88.4	77.5°	70.5	57.8	38.9	18.2	0.0	0.0	0.0	0.0	0.0	0.0
31.5	80°	24.7	22.9	30.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0
6.5	82.5°	3.7	3.1	4.3	5.6	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: P1049606

CATALOG NUMBER: GALN-SA1B-735-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
17.9	0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
12.7	2.5°	12.7	12.7	12.4	12.7	12.7	13.3	14.8	17.0	19.5	20.4
10.8	5°	10.5	10.2	9.9	9.9	9.9	10.8	12.1	14.5	17.3	18.5
9.0	7.5°	8.7	8.3	8.0	7.7	7.7	8.3	9.9	12.7	15.5	16.7
7.4	10°	7.1	6.5	6.2	5.9	5.9	6.5	8.0	10.8	13.9	15.1
6.2	12.5°	5.9	4.9	4.3	4.0	3.7	4.6	6.2	8.7	12.1	13.6
4.6	15°	4.0	3.1	2.2	1.9	1.5	2.5	4.0	6.8	10.2	12.1
2.5	17.5°	2.2	0.9	0.3	0.0	0.0	0.6	1.9	4.9	8.3	9.9
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2	7.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.7	5.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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	0.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.5
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: P1049606

CATALOG NUMBER: GALN-SA1B-735-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
17.9	0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
21.3	2.5°	21.9	21.6	21.0	20.4	20.4	20.4	21.3	22.3	23.2	23.2
19.2	5°	20.4	20.4	20.1	19.5	19.5	19.8	21.0	22.6	23.8	24.1
17.6	7.5°	18.9	19.5	18.9	18.5	18.9	19.2	20.4	22.3	24.1	24.7
16.4	10°	17.9	18.2	18.2	17.9	17.9	18.5	19.8	22.3	24.7	25.7
14.8	12.5°	16.7	17.3	17.0	17.0	17.0	17.6	19.2	21.9	25.3	26.6
13.3	15°	15.5	16.4	16.4	16.1	16.1	16.4	18.5	21.6	26.3	28.4
11.4	17.5°	14.2	15.1	15.5	14.8	14.8	15.5	17.6	21.6	26.9	30.6
9.3	20°	11.7	13.3	14.2	13.3	13.3	13.9	16.1	20.4	27.2	32.8
6.8	22.5°	9.3	10.8	12.1	11.7	11.7	12.1	14.8	19.5	27.5	36.5
4.0	25°	6.8	8.3	9.3	9.9	9.9	10.8	13.6	18.9	28.7	44.2
1.9	27.5°	4.0	5.9	7.1	7.7	8.0	9.3	12.7	18.2	30.9	55.3
0.0	30°	1.9	3.4	4.9	6.2	6.2	8.3	11.7	17.6	33.7	71.4
0.0	32.5°	0.0	1.5	2.5	4.3	4.6	6.8	10.8	17.0	37.7	86.9
0.0	35°	0.0	0.0	1.2	3.4	3.4	5.6	9.9	16.4	43.9	98.6
0.0	37.5°	0.0	0.0	0.0	2.5	2.8	4.9	9.6	16.1	45.1	99.5
0.0	40°	0.0	0.0	0.0	1.9	2.2	4.6	9.6	16.4	40.8	97.4
0.0	42.5°	0.0	0.0	0.0	1.2	1.5	4.6	9.6	17.0	36.8	99.8
0.0	45°	0.0	0.0	0.0	0.9	1.2	4.9	9.3	16.7	34.6	112.8
0.0	47.5°	0.0	0.0	0.0	1.2	1.9	4.9	9.0	16.4	34.9	155.8
0.0	50°	0.0	0.0	0.0	1.5	2.2	4.9	9.3	15.8	38.3	239.6
0.0	52.5°	0.0	0.0	0.0	1.2	1.9	5.6	10.2	15.5	41.7	311.6
0.0	55°	0.0	0.0	0.0	0.3	0.9	7.1	11.1	15.5	47.0	329.5
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	8.0	12.7	16.4	55.6	322.4
0.0	58°	0.0	0.0	0.0	0.0	0.0	8.0	13.0	16.4	56.3	316.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	8.0	14.2	18.2	60.6	281.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	6.8	17.0	22.9	63.1	221.3
0.0	65°	0.0	0.0	0.0	0.0	0.0	5.6	20.1	25.0	64.9	176.2
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	5.3	20.7	25.3	65.8	140.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	5.6	20.4	27.2	68.9	114.1
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	6.2	18.5	30.0	68.9	101.1
0.0	75°	0.0	0.0	0.0	0.0	0.0	6.5	17.3	33.7	62.8	87.5
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	6.2	17.0	39.3	55.9	72.0
0.0	80°	0.6	0.9	0.9	0.6	0.6	5.3	16.7	39.9	47.6	49.5
0.3	82.5°	1.9	2.5	2.2	1.5	1.5	4.6	14.8	33.4	24.7	21.3
1.9	85°	3.4	4.0	4.0	3.4	3.4	4.3	9.3	12.1	8.3	6.8
3.4	87.5°	4.6	5.3	5.3	4.6	4.6	4.3	4.0	3.7	3.4	3.4
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: SP1-2407-184-5

Test Date: 10/10/2024

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

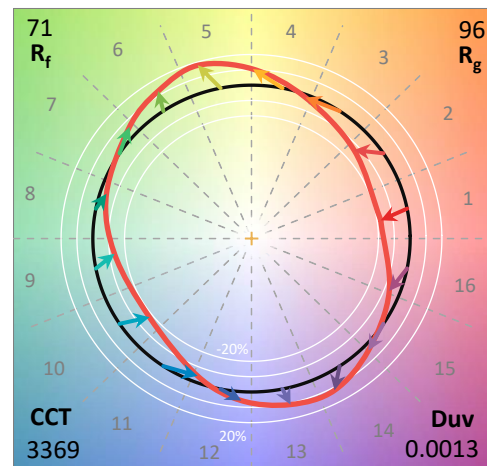
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

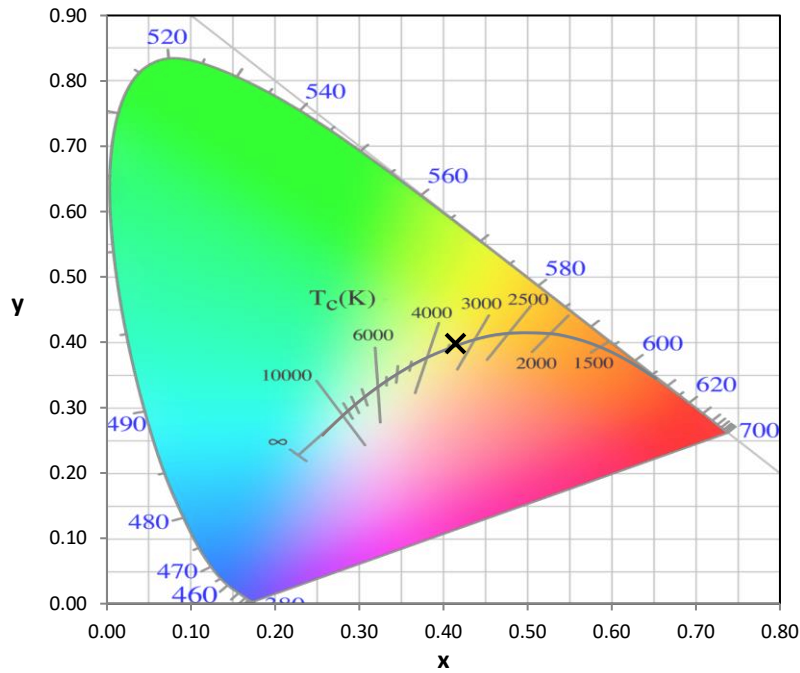
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

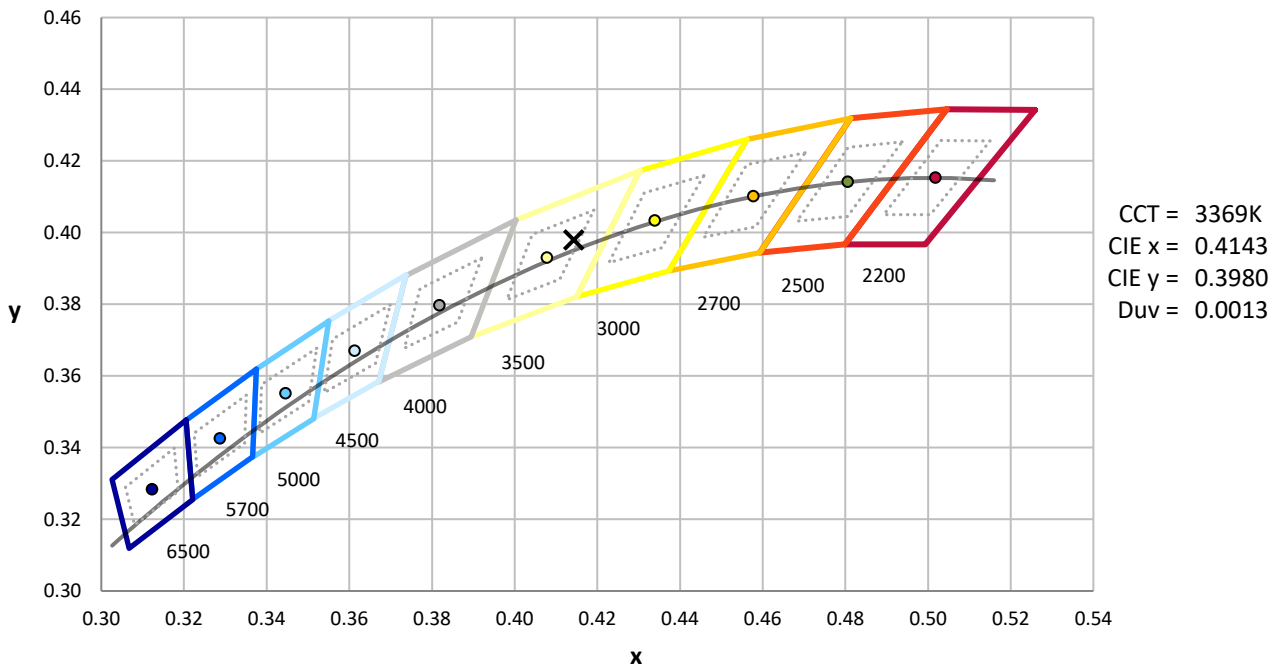
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



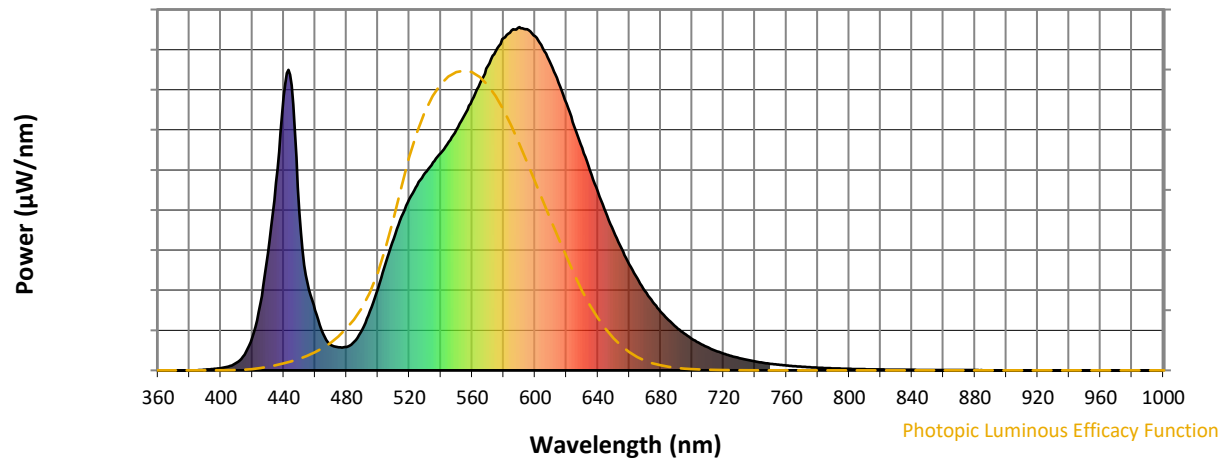
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

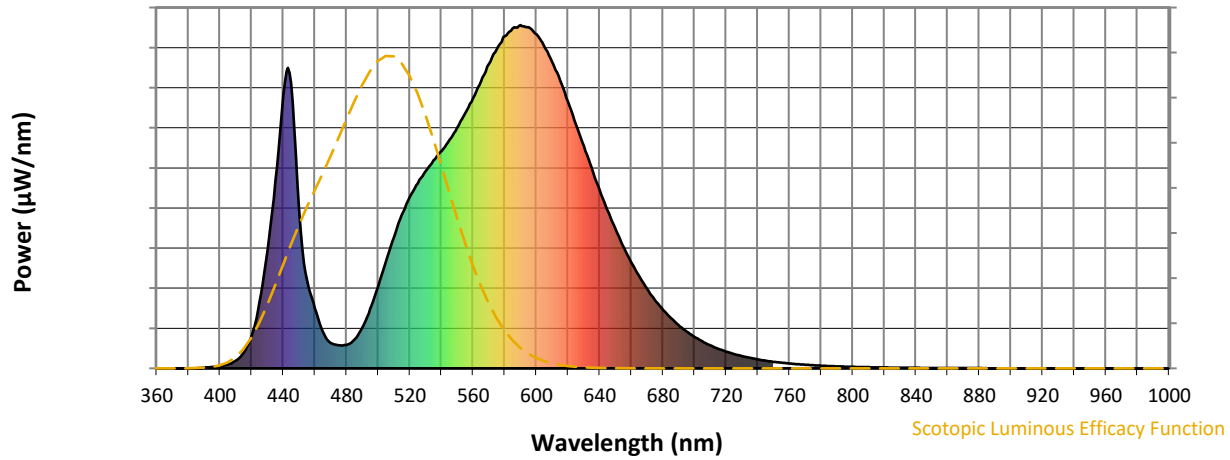


Photopic Lumens: NR

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

Scotopic Flux vs. Wavelength



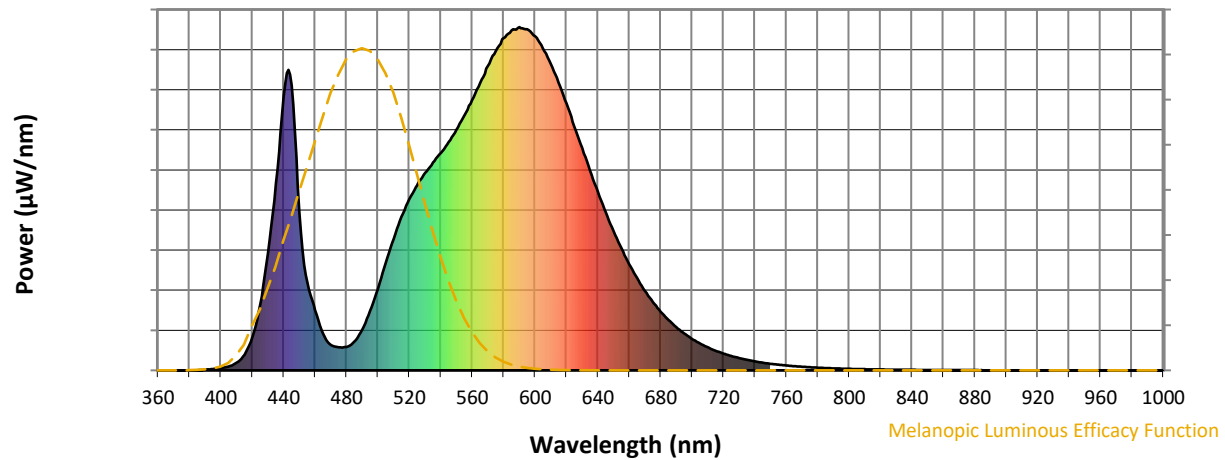
Scotopic Lumens: NR

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

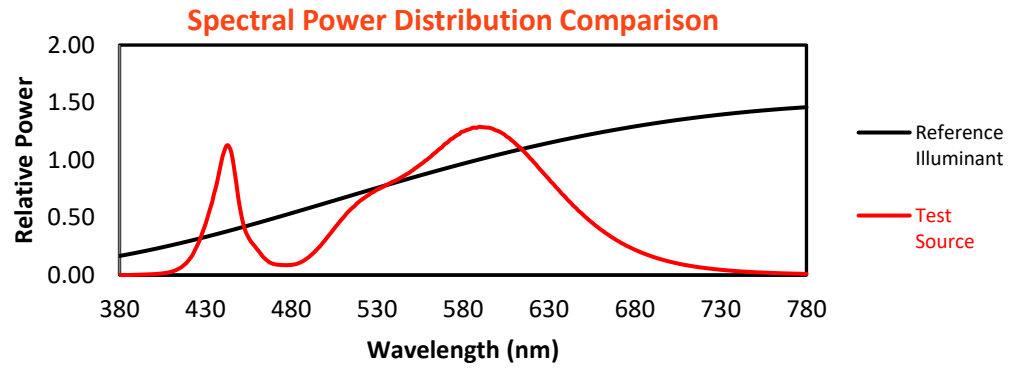
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	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

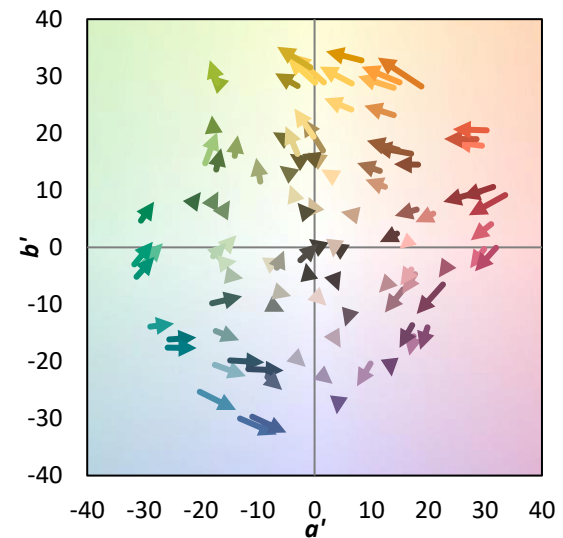
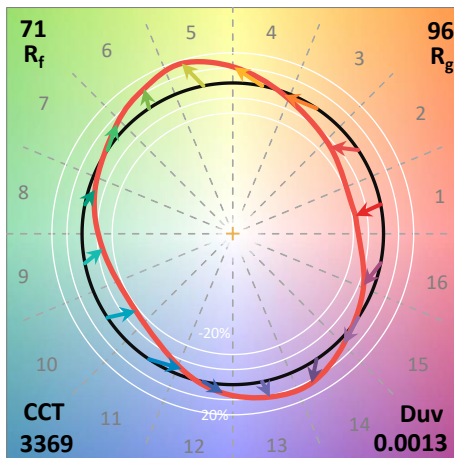
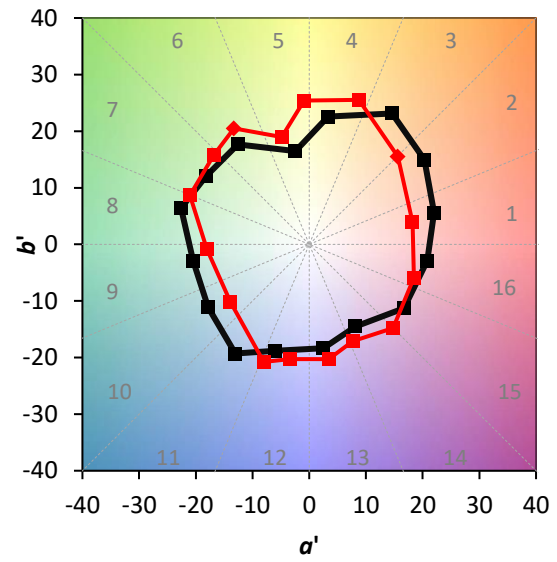
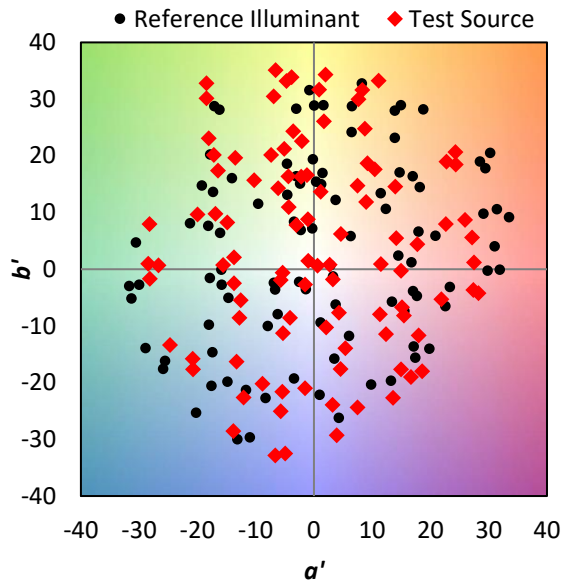
TM-30-18

Summary

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

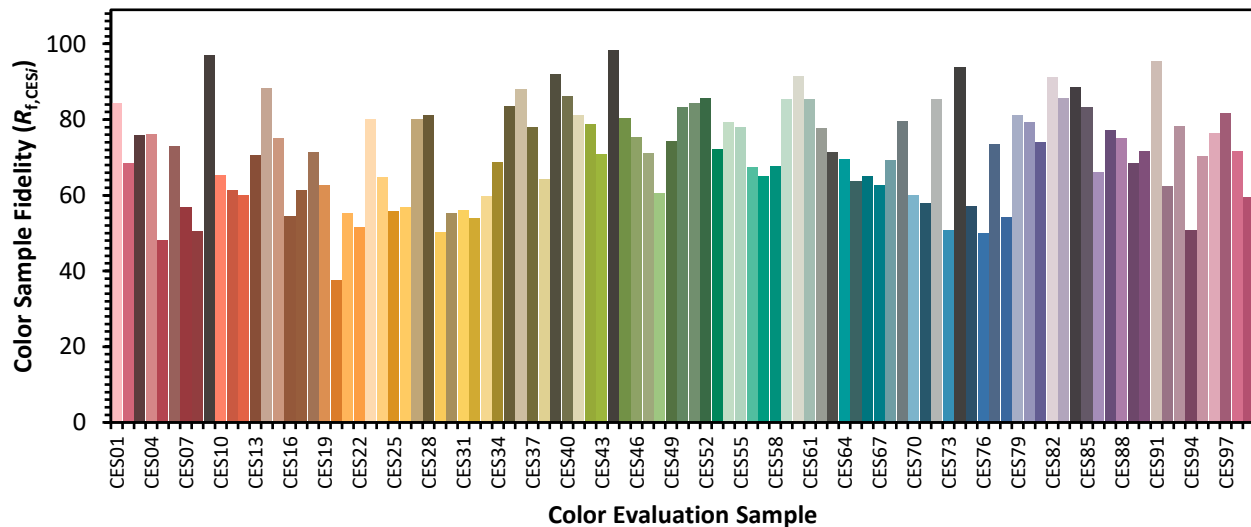


Color Vector Graphics

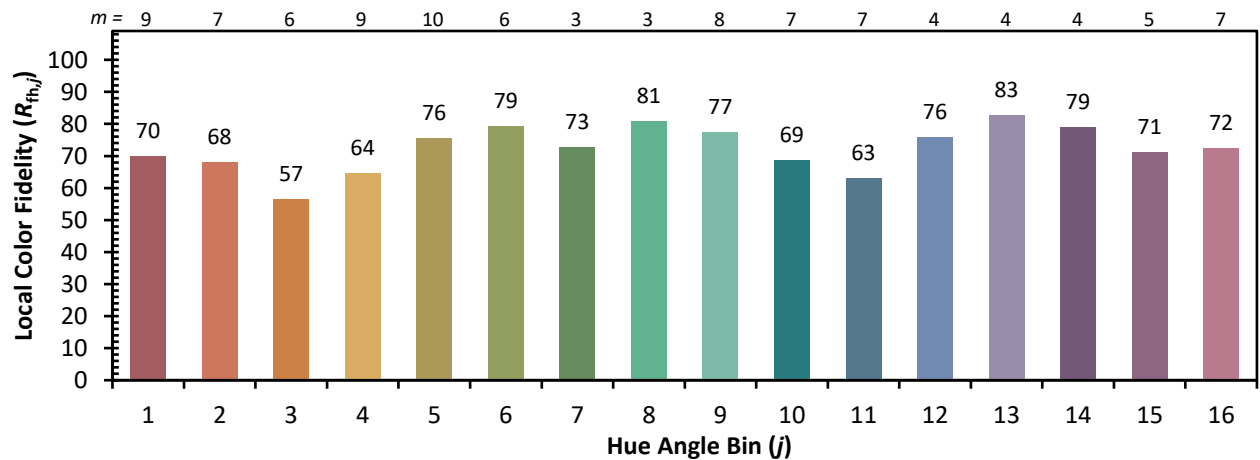
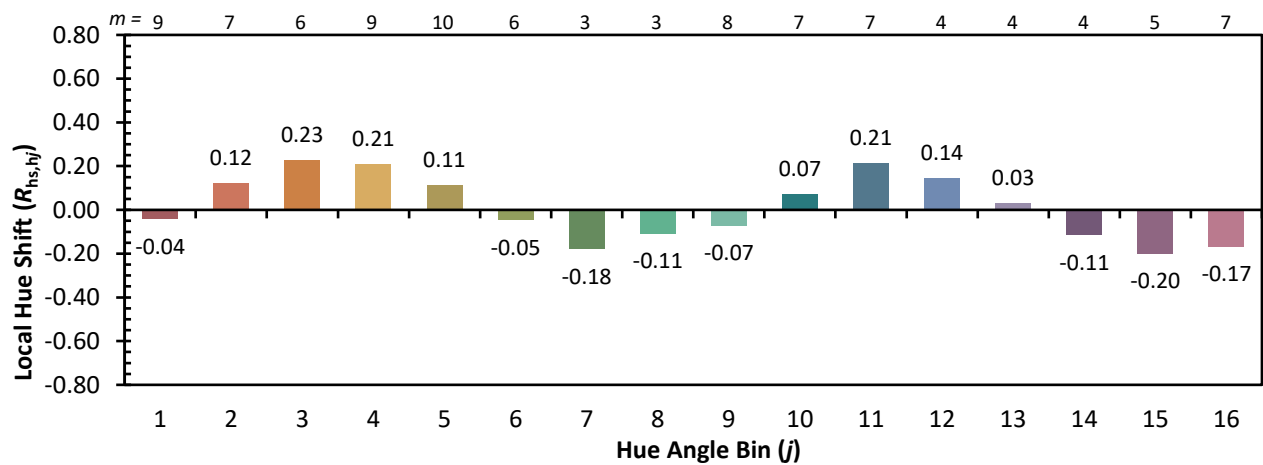
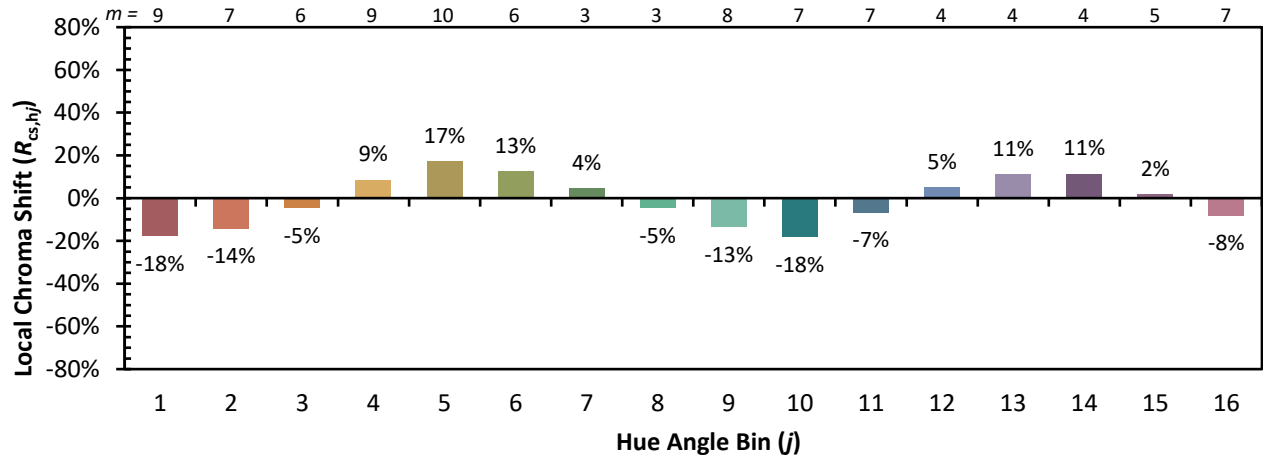


Individual Sample Fidelity Index ($R_{f,i}$)

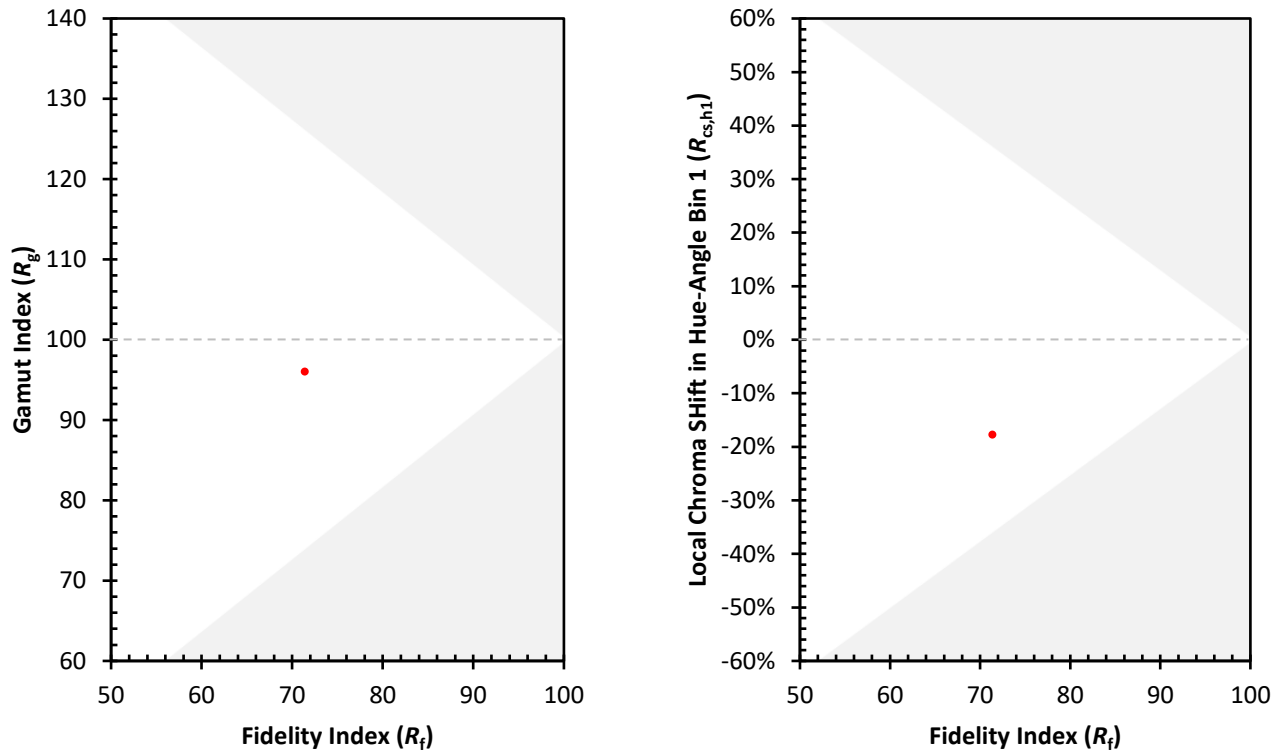
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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)