

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: P1049597

Luminaire Tested: **GALN-SA8A-730-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049597
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8A-730-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 8xLight Square PACKAGE
70CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25319.3 lumens
Efficiency: N/A
Efficacy: 116.4 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): 217.6
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

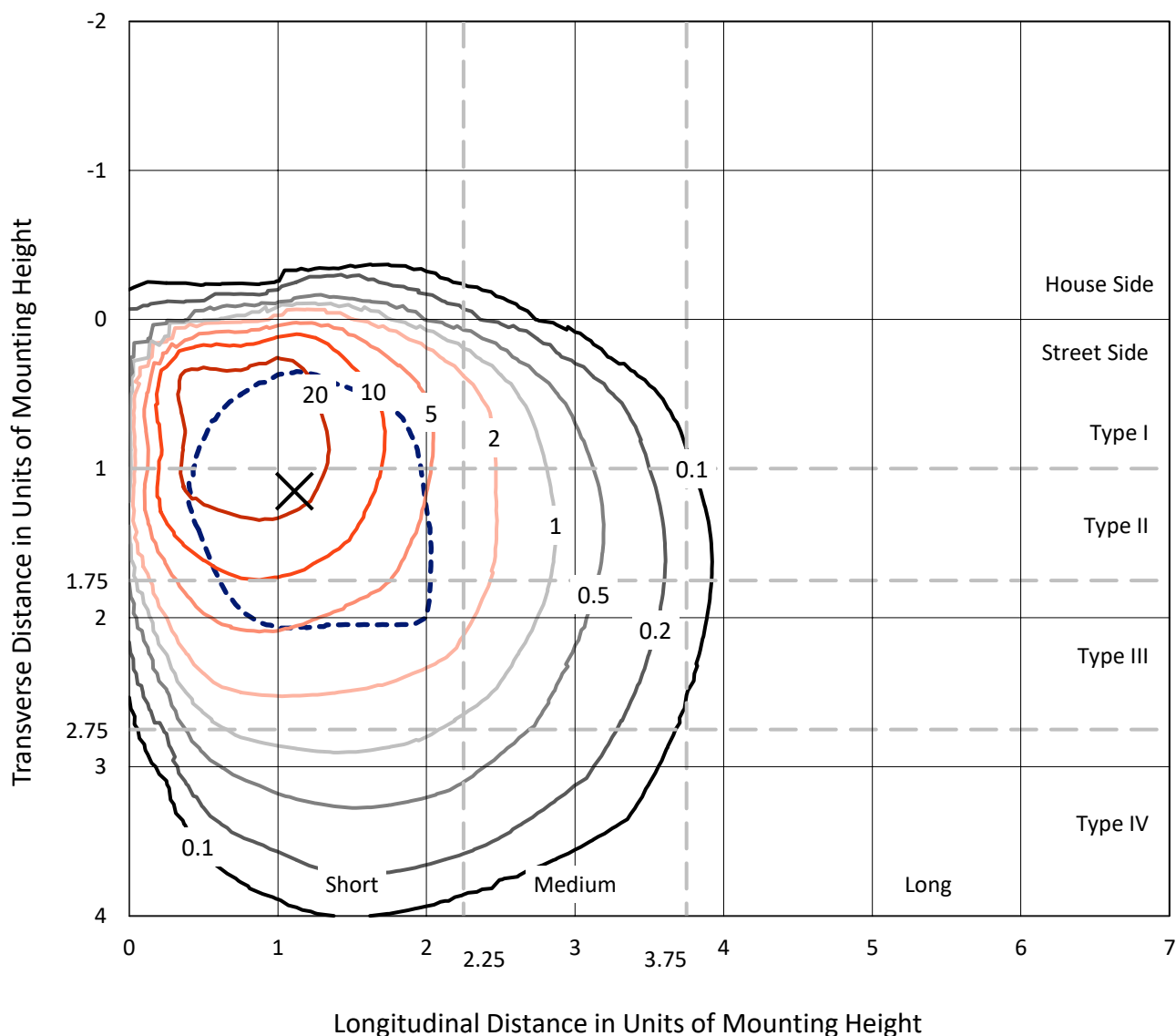
REPORT NUMBER: P1049597

CATALOG NUMBER: GALN-SA8A-730-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

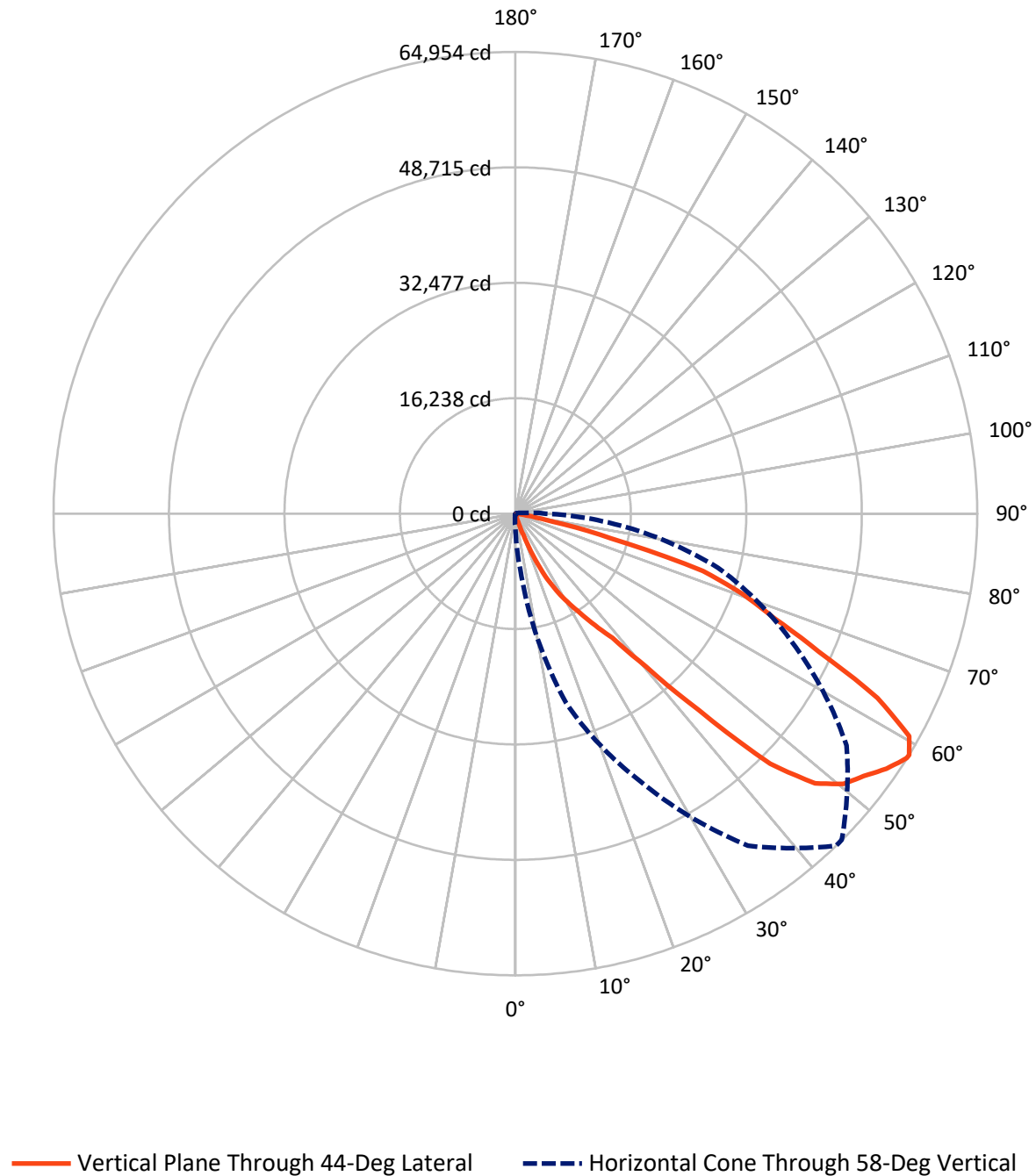


Based on 20 foot mounting height. Maximum calculated value = 44.1 fc

Type III - Short - N/A

REPORT NUMBER: P1049597
CATALOG NUMBER: GALN-SA8A-730-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049597

CATALOG NUMBER: GALN-SA8A-730-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	172.9	0.0	172.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	25146.4	0.0	25146.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	25319.3	0.0	25319.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.0
10°-20°	55.5	0.2
20°-30°	599.8	2.4
30°-40°	1773.9	7.0
40°-50°	5287.1	20.9
50°-60°	8389.3	33.1
60°-70°	6997.7	27.6
70°-80°	2158.2	8.5
80°-90°	47.9	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°	25319.3	100.0
0°-180°	25319.3	100.0



REPORT NUMBER: P1049597

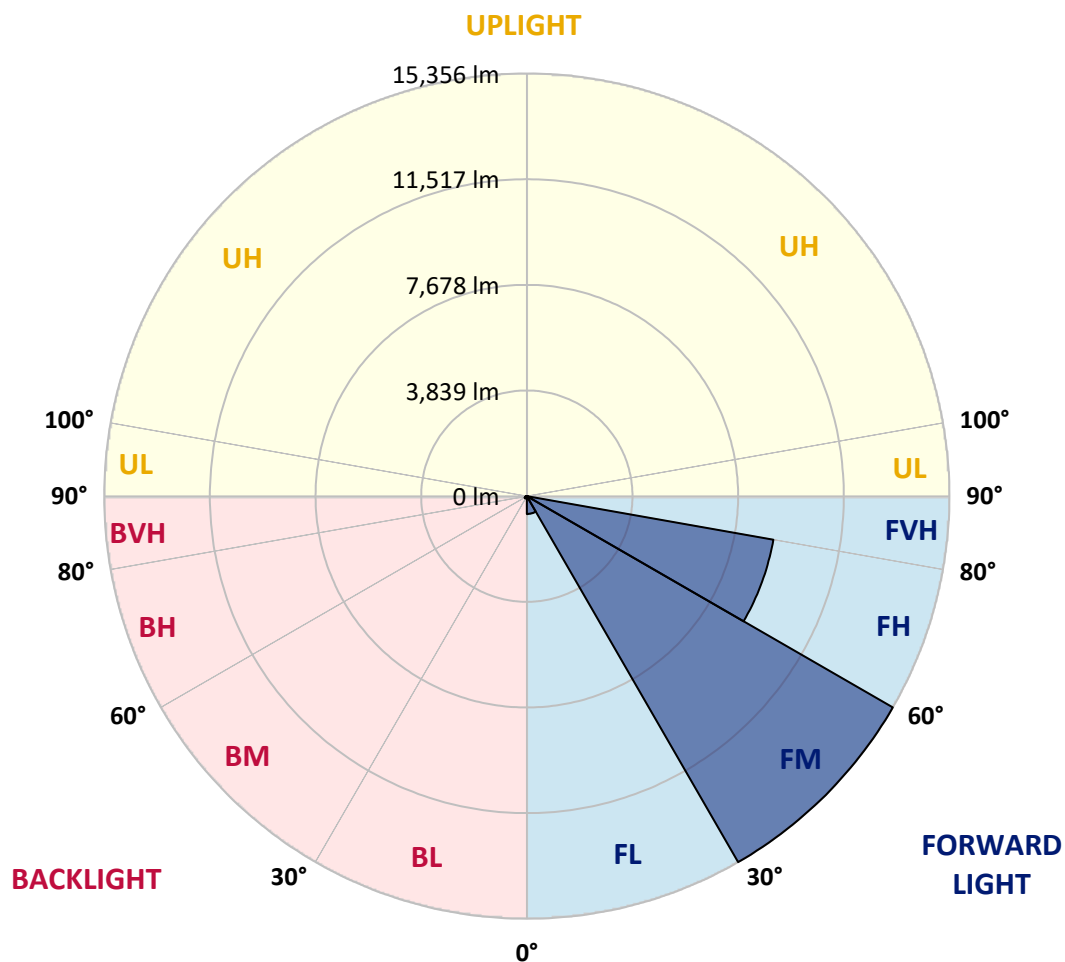
CATALOG NUMBER: GALN-SA8A-730-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	648.3	2.6			
FM	(30°-60°)	15355.6	60.6			
FH	(60°-80°)	9096.8	35.9			G4/12000
FVH	(80°-90°)	45.6	0.2			G1/100
BL	(0°-30°)	16.9	0.1	B0/110		
BM	(30°-60°)	94.6	0.4	B0/220		
BH	(60°-80°)	59.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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: P1049597

CATALOG NUMBER: GALN-SA8A-730-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
2.5°	143.4	143.4	137.7	130.1	122.4	114.8	112.8	109.0	107.1	105.2
5°	149.2	149.2	147.3	141.5	133.9	128.1	128.1	122.4	118.6	114.8
7.5°	153.0	154.9	158.8	156.8	153.0	147.3	147.3	143.4	137.7	128.1
10°	158.8	164.5	172.1	176.0	177.9	177.9	176.0	174.1	164.5	151.1
12.5°	164.5	176.0	195.1	214.2	225.7	241.0	239.1	235.3	210.4	181.7
15°	176.0	193.2	233.3	288.8	374.9	428.4	449.5	430.3	348.1	244.8
17.5°	189.4	218.0	338.5	604.4	990.8	1174.4	1285.3	1195.4	791.8	464.8
20°	202.7	265.9	629.3	1566.5	2570.6	3171.2	3337.6	3077.5	1975.8	885.6
22.5°	225.7	373.0	1275.7	3238.1	5539.1	6439.9	6610.1	5778.1	3731.6	1748.2
25°	273.5	541.3	2199.6	5277.0	8266.5	9787.1	9716.3	8626.1	6053.6	2792.5
27.5°	342.4	788.0	3326.1	7497.6	10879.2	12220.0	12380.6	11032.2	8069.5	4106.5
30°	441.8	1092.1	4534.9	9276.4	12973.5	14423.3	14450.1	13055.8	9873.1	5259.8
32.5°	537.5	1379.0	5592.6	10995.9	15037.3	16626.7	16745.3	15029.6	11219.6	6461.0
35°	610.1	1566.5	6663.7	12506.9	17118.3	19308.3	19300.6	17263.6	12814.8	7534.0
37.5°	615.9	1753.9	7633.4	14052.3	19753.9	22205.9	22448.8	20203.4	14742.7	8861.3
40°	602.5	1964.3	8861.3	16462.2	24503.0	28265.2	28479.4	25648.7	18610.1	11133.6
42.5°	617.8	2329.6	10854.3	20913.0	32388.9	37792.2	38205.3	35229.2	25719.5	15769.8
45°	698.1	3016.3	15029.6	28358.9	43629.6	50216.8	50079.1	45792.8	33991.7	22827.5
47.5°	964.0	4697.5	21219.0	35606.0	50813.5	56679.6	56798.2	51559.5	38819.3	28253.7
50°	1482.3	7187.8	26419.5	39437.0	53902.5	59787.7	59676.8	53623.2	40653.5	30925.7
52.5°	1928.0	8989.5	29028.4	40781.6	54298.4	61323.6	61315.9	54166.4	40938.5	31155.2
55°	2038.9	9125.3	29049.4	40854.3	55185.9	63333.8	63586.2	55503.4	41307.6	30153.0
57.5°	1994.9	8079.1	27836.8	41275.1	56765.7	64888.8	64902.1	56798.2	42244.8	29539.1
58°	1956.6	7914.6	27592.0	41514.2	57037.3	64953.8	64921.3	56857.5	43008.0	29516.1
60°	1742.4	6872.2	26637.6	42124.3	56633.7	63618.8	63314.6	55562.6	42895.1	29280.8
62.5°	1369.5	5361.2	25698.4	41418.6	52307.3	57155.9	57282.1	49191.6	39104.2	27909.5
65°	1090.2	3995.5	23739.9	36330.9	43073.0	46936.6	47407.1	40001.3	32639.5	23632.8
67.5°	868.3	2888.1	19914.6	28925.1	34083.5	39173.1	39515.5	33584.3	25287.2	18107.1
70°	705.8	1952.8	13746.3	21154.0	28112.2	33834.9	33855.9	27899.9	18874.1	11864.2
72.5°	625.4	1352.2	7979.6	15427.5	22795.0	27570.9	27014.3	22640.1	14505.6	7027.1
75°	541.3	897.0	3913.3	9431.3	13820.8	13914.6	14126.9	10502.4	7250.9	3341.4
77.5°	445.6	636.9	1541.6	2576.3	4144.7	5305.7	5502.7	4169.6	2411.9	822.4
80°	306.0	302.2	415.0	789.9	1185.8	1486.1	1386.7	1073.0	631.2	315.6
82.5°	132.0	143.4	187.4	225.7	183.6	177.9	170.2	109.0	84.2	65.0
85°	42.1	38.3	40.2	40.2	32.5	24.9	24.9	11.5	0.0	0.0
87.5°	21.0	17.2	17.2	15.3	9.6	3.8	1.9	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: P1049597

CATALOG NUMBER: GALN-SA8A-730-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
110.9	0°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
103.3	2.5°	101.4	101.4	97.5	93.7	91.8	88.0	86.1	84.2	82.2	80.3
110.9	5°	107.1	105.2	99.5	93.7	88.0	82.2	78.4	74.6	70.8	68.9
122.4	7.5°	116.7	112.8	101.4	91.8	84.2	76.5	72.7	66.9	63.1	57.4
135.8	10°	128.1	120.5	105.2	93.7	82.2	72.7	66.9	61.2	55.5	47.8
154.9	12.5°	143.4	130.1	110.9	91.8	78.4	66.9	61.2	53.6	47.8	42.1
179.8	15°	156.8	139.6	112.8	91.8	74.6	61.2	53.6	45.9	40.2	32.5
225.7	17.5°	176.0	147.3	110.9	86.1	68.9	53.6	45.9	40.2	30.6	19.1
334.7	20°	208.5	153.0	107.1	80.3	59.3	44.0	34.4	26.8	13.4	3.8
503.0	22.5°	260.1	168.3	103.3	72.7	51.6	34.4	23.0	9.6	0.0	0.0
765.1	25°	359.6	195.1	103.3	68.9	45.9	24.9	7.7	0.0	0.0	0.0
1086.4	27.5°	478.2	231.4	103.3	59.3	36.3	13.4	0.0	0.0	0.0	0.0
1480.4	30°	598.7	271.6	103.3	51.6	28.7	1.9	0.0	0.0	0.0	0.0
1822.8	32.5°	713.4	306.0	105.2	44.0	19.1	0.0	0.0	0.0	0.0	0.0
2297.1	35°	830.1	311.8	103.3	38.3	11.5	0.0	0.0	0.0	0.0	0.0
2878.5	37.5°	979.3	300.3	97.5	34.4	5.7	0.0	0.0	0.0	0.0	0.0
3787.1	40°	1205.0	306.0	91.8	32.5	1.9	0.0	0.0	0.0	0.0	0.0
5407.1	42.5°	1621.9	330.9	84.2	32.5	0.0	0.0	0.0	0.0	0.0	0.0
8612.7	45°	2804.0	443.7	76.5	34.4	0.0	0.0	0.0	0.0	0.0	0.0
12929.6	47.5°	4638.2	797.6	74.6	34.4	0.0	0.0	0.0	0.0	0.0	0.0
15574.8	50°	5919.7	1004.1	78.4	36.3	0.0	0.0	0.0	0.0	0.0	0.0
15905.6	52.5°	5910.1	1118.9	82.2	38.3	7.7	0.0	0.0	0.0	0.0	0.0
14660.5	55°	5254.1	1139.9	88.0	42.1	24.9	0.0	0.0	0.0	0.0	0.0
12598.7	57.5°	4391.5	1040.5	101.4	51.6	45.9	0.0	0.0	0.0	0.0	0.0
12275.4	58°	4238.4	994.6	105.2	53.6	49.7	0.0	0.0	0.0	0.0	0.0
10647.8	60°	3473.4	811.0	133.9	66.9	66.9	0.0	0.0	0.0	0.0	0.0
8729.4	62.5°	2398.5	707.7	153.0	86.1	68.9	0.0	0.0	0.0	0.0	0.0
6436.1	65°	1696.5	638.8	166.4	91.8	55.5	0.0	0.0	0.0	0.0	0.0
4573.2	67.5°	1268.1	589.1	183.6	93.7	28.7	0.0	0.0	0.0	0.0	0.0
2869.0	70°	971.6	552.8	225.7	99.5	7.7	0.0	0.0	0.0	0.0	0.0
1709.9	72.5°	791.8	510.7	273.5	103.3	0.0	0.0	0.0	0.0	0.0	0.0
1025.2	75°	656.0	461.0	263.9	112.8	0.0	0.0	0.0	0.0	0.0	0.0
547.0	77.5°	436.1	357.7	241.0	112.8	0.0	0.0	0.0	0.0	0.0	0.0
195.1	80°	153.0	141.5	187.4	99.5	0.0	0.0	0.0	0.0	0.0	0.0
40.2	82.5°	23.0	19.1	26.8	34.4	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: P1049597

CATALOG NUMBER: GALN-SA8A-730-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
110.9	0°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
78.4	2.5°	78.4	78.4	76.5	78.4	78.4	82.2	91.8	105.2	120.5	126.2
66.9	5°	65.0	63.1	61.2	61.2	61.2	66.9	74.6	89.9	107.1	114.8
55.5	7.5°	53.6	51.6	49.7	47.8	47.8	51.6	61.2	78.4	95.6	103.3
45.9	10°	44.0	40.2	38.3	36.3	36.3	40.2	49.7	66.9	86.1	93.7
38.3	12.5°	36.3	30.6	26.8	24.9	23.0	28.7	38.3	53.6	74.6	84.2
28.7	15°	24.9	19.1	13.4	11.5	9.6	15.3	24.9	42.1	63.1	74.6
15.3	17.5°	13.4	5.7	1.9	0.0	0.0	3.8	11.5	30.6	51.6	61.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	38.3	47.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	23.0	32.5
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	17.2
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	5.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	15.3
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: P1049597

CATALOG NUMBER: GALN-SA8A-730-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
110.9	0°	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9	110.9
132.0	2.5°	135.8	133.9	130.1	126.2	126.2	126.2	132.0	137.7	143.4	143.4
118.6	5°	126.2	126.2	124.3	120.5	120.5	122.4	130.1	139.6	147.3	149.2
109.0	7.5°	116.7	120.5	116.7	114.8	116.7	118.6	126.2	137.7	149.2	153.0
101.4	10°	110.9	112.8	112.8	110.9	110.9	114.8	122.4	137.7	153.0	158.8
91.8	12.5°	103.3	107.1	105.2	105.2	105.2	109.0	118.6	135.8	156.8	164.5
82.2	15°	95.6	101.4	101.4	99.5	99.5	101.4	114.8	133.9	162.6	176.0
70.8	17.5°	88.0	93.7	95.6	91.8	91.8	95.6	109.0	133.9	166.4	189.4
57.4	20°	72.7	82.2	88.0	82.2	82.2	86.1	99.5	126.2	168.3	202.7
42.1	22.5°	57.4	66.9	74.6	72.7	72.7	74.6	91.8	120.5	170.2	225.7
24.9	25°	42.1	51.6	57.4	61.2	61.2	66.9	84.2	116.7	177.9	273.5
11.5	27.5°	24.9	36.3	44.0	47.8	49.7	57.4	78.4	112.8	191.3	342.4
0.0	30°	11.5	21.0	30.6	38.3	38.3	51.6	72.7	109.0	208.5	441.8
0.0	32.5°	0.0	9.6	15.3	26.8	28.7	42.1	66.9	105.2	233.3	537.5
0.0	35°	0.0	0.0	7.7	21.0	21.0	34.4	61.2	101.4	271.6	610.1
0.0	37.5°	0.0	0.0	0.0	15.3	17.2	30.6	59.3	99.5	279.2	615.9
0.0	40°	0.0	0.0	0.0	11.5	13.4	28.7	59.3	101.4	252.5	602.5
0.0	42.5°	0.0	0.0	0.0	7.7	9.6	28.7	59.3	105.2	227.6	617.8
0.0	45°	0.0	0.0	0.0	5.7	7.7	30.6	57.4	103.3	214.2	698.1
0.0	47.5°	0.0	0.0	0.0	7.7	11.5	30.6	55.5	101.4	216.1	964.0
0.0	50°	0.0	0.0	0.0	9.6	13.4	30.6	57.4	97.5	237.2	1482.3
0.0	52.5°	0.0	0.0	0.0	7.7	11.5	34.4	63.1	95.6	258.2	1928.0
0.0	55°	0.0	0.0	0.0	1.9	5.7	44.0	68.9	95.6	290.7	2038.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	49.7	78.4	101.4	344.3	1994.9
0.0	58°	0.0	0.0	0.0	0.0	0.0	49.7	80.3	101.4	348.1	1956.6
0.0	60°	0.0	0.0	0.0	0.0	0.0	49.7	88.0	112.8	374.9	1742.4
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	42.1	105.2	141.5	390.2	1369.5
0.0	65°	0.0	0.0	0.0	0.0	0.0	34.4	124.3	154.9	401.7	1090.2
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	32.5	128.1	156.8	407.4	868.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	34.4	126.2	168.3	426.5	705.8
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	38.3	114.8	185.5	426.5	625.4
0.0	75°	0.0	0.0	0.0	0.0	0.0	40.2	107.1	208.5	388.3	541.3
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	38.3	105.2	242.9	346.2	445.6
0.0	80°	3.8	5.7	5.7	3.8	3.8	32.5	103.3	246.7	294.5	306.0
1.9	82.5°	11.5	15.3	13.4	9.6	9.6	28.7	91.8	206.6	153.0	132.0
11.5	85°	21.0	24.9	24.9	21.0	21.0	26.8	57.4	74.6	51.6	42.1
21.0	87.5°	28.7	32.5	32.5	28.7	28.7	26.8	24.9	23.0	21.0	21.0
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

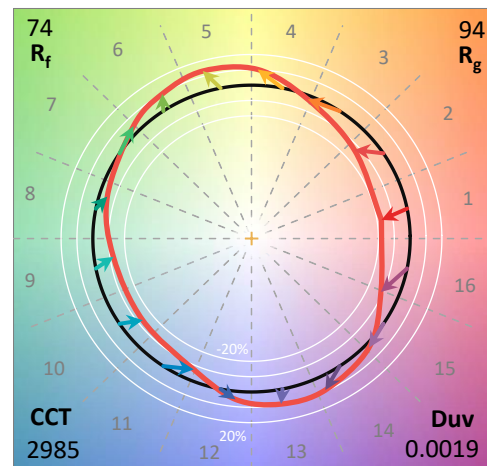
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

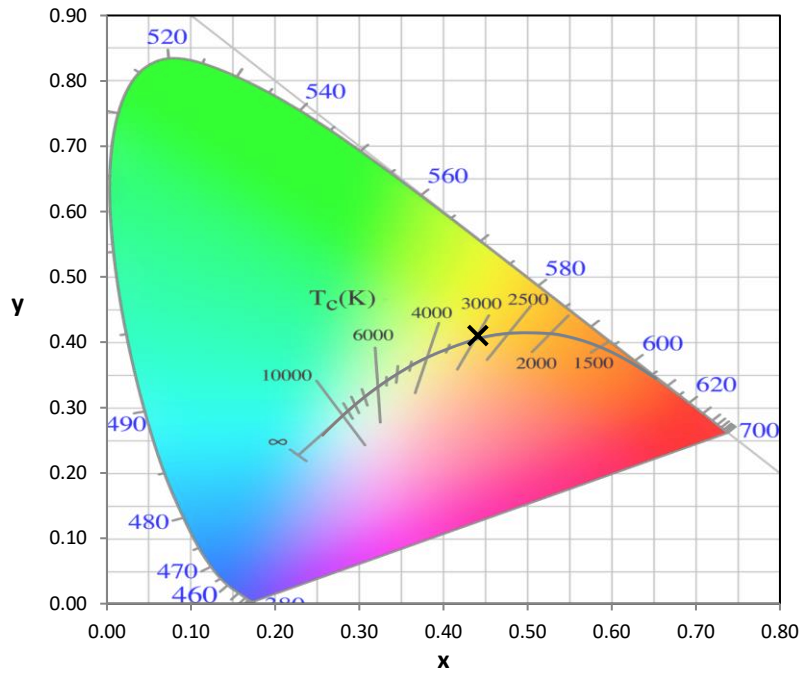
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

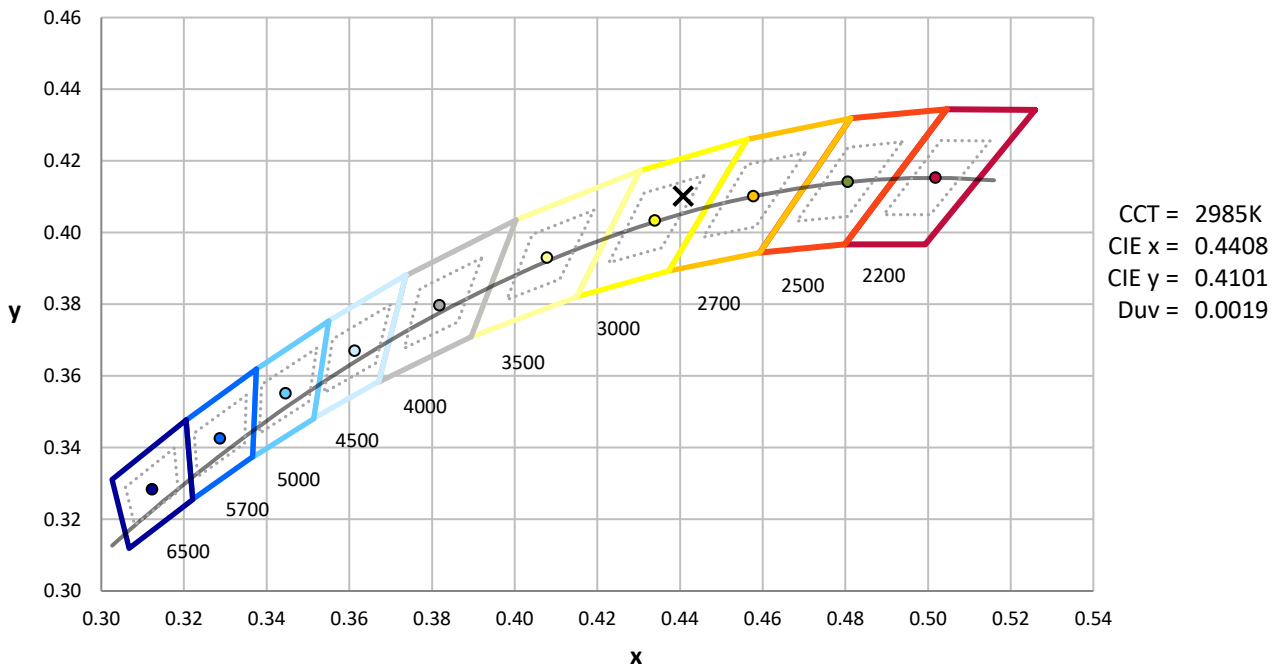
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-4

CIE 1931 Chromaticity Diagram



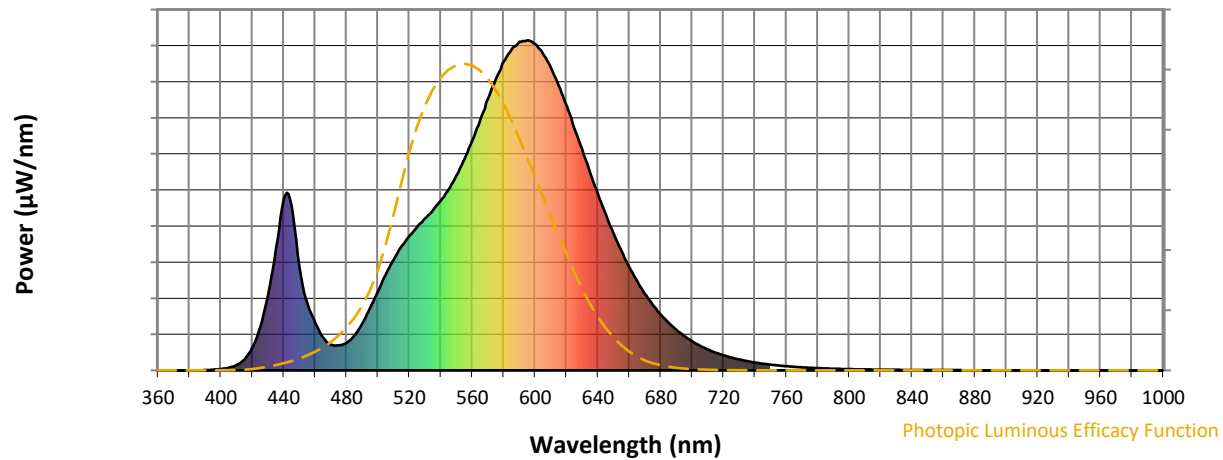
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

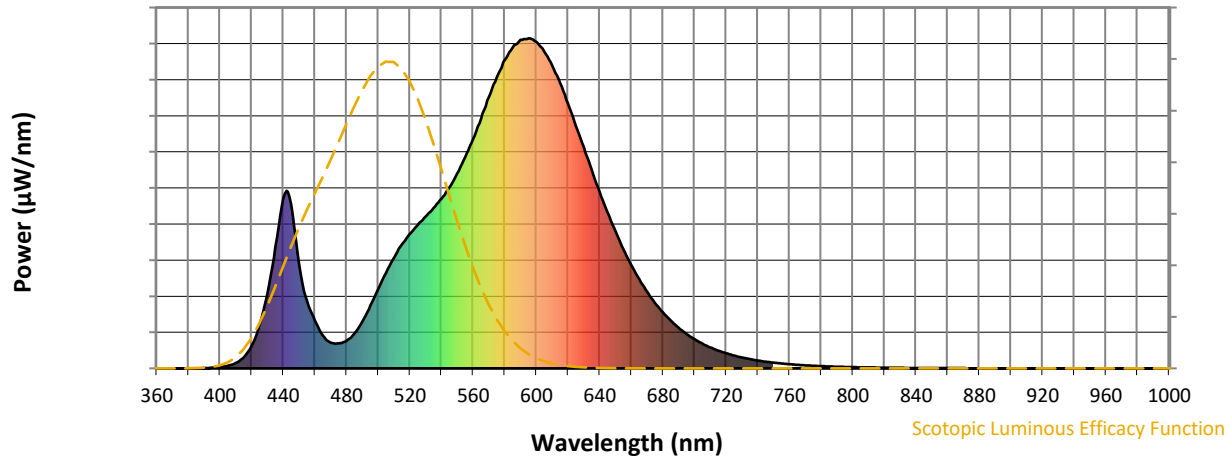


Photopic Lumens: NR

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



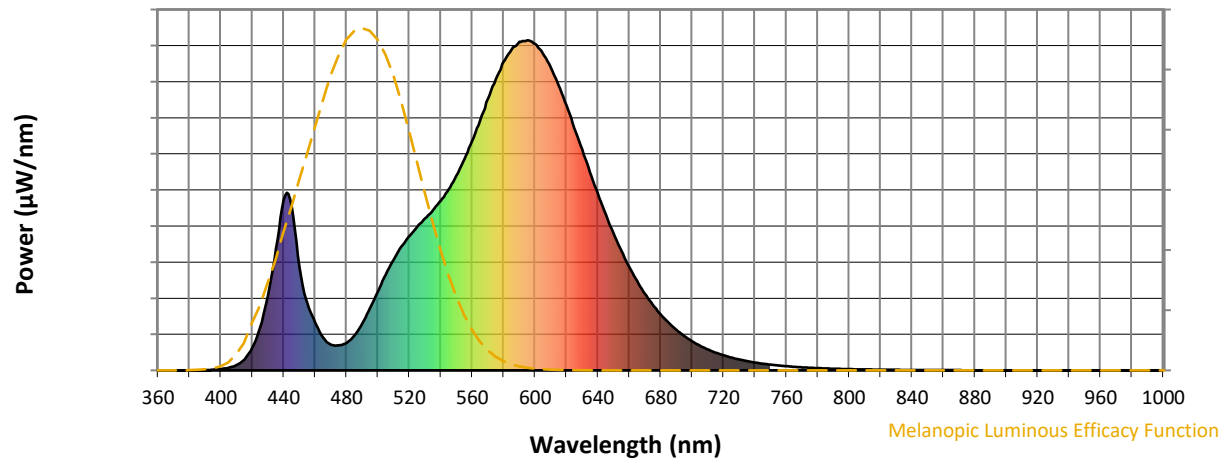
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

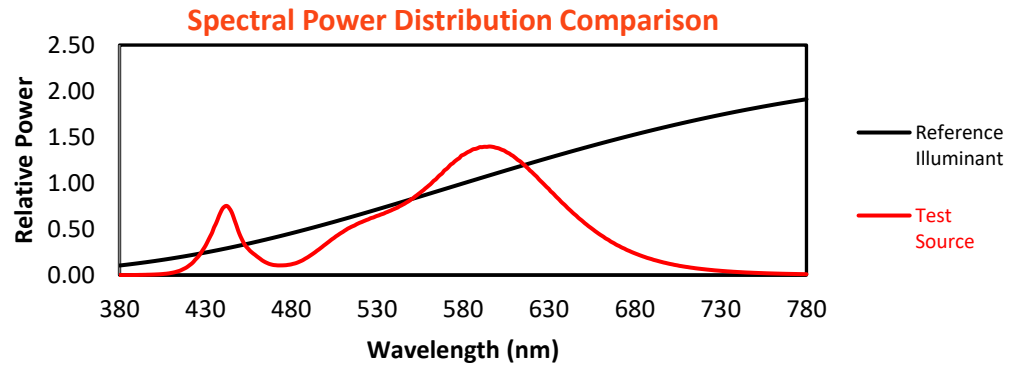
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

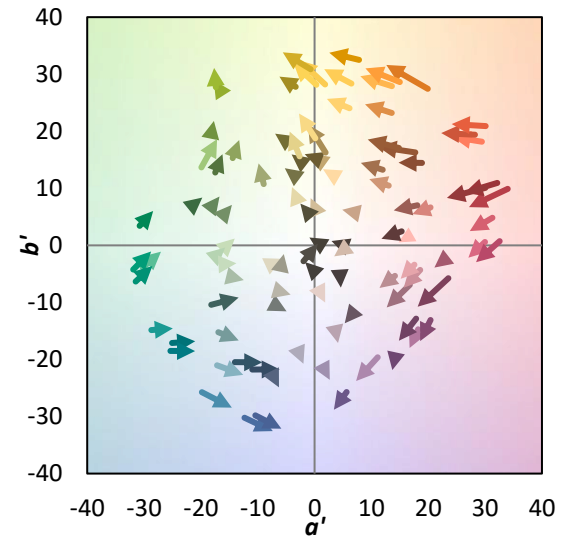
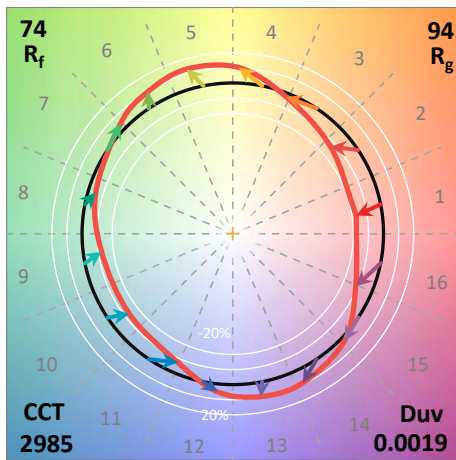
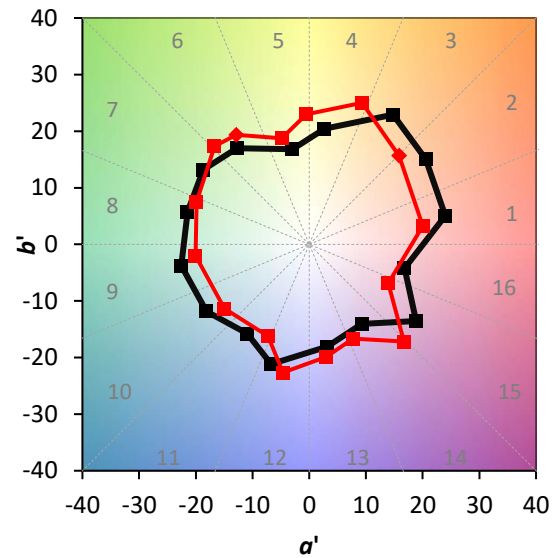
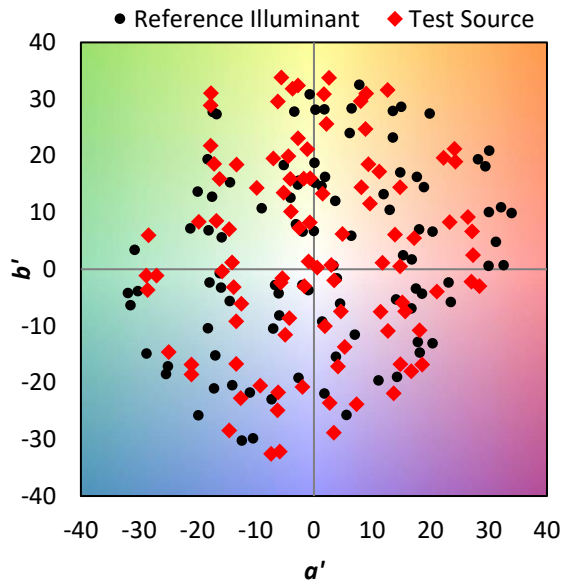
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE R_a = 70.8$
 $R_g = -43.2$

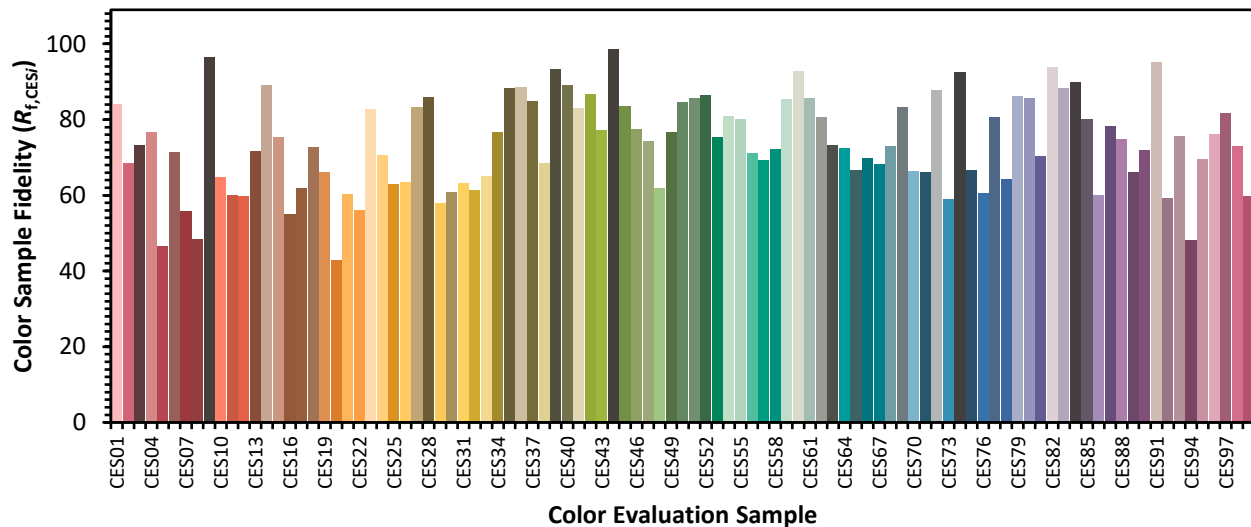


Color Vector Graphics

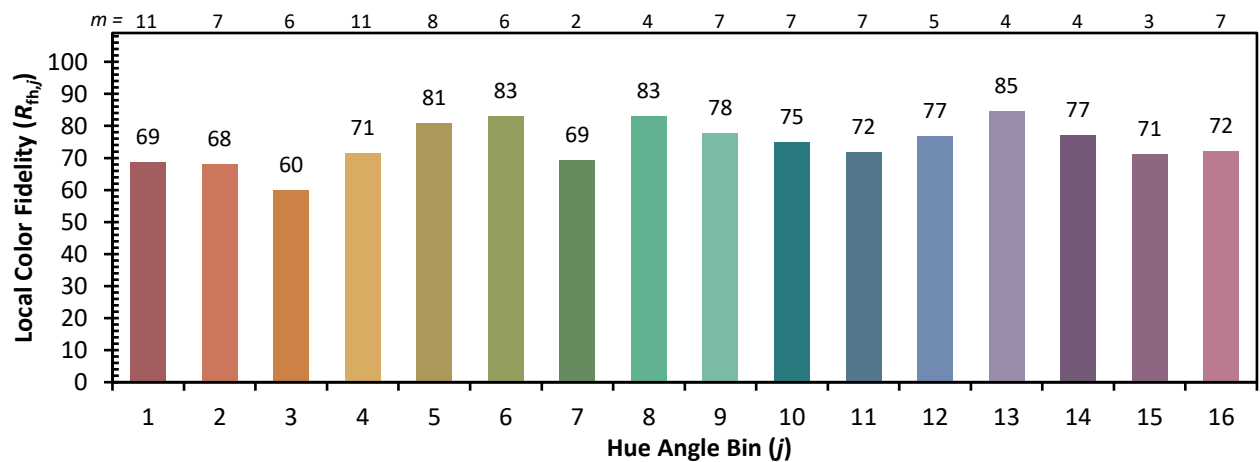
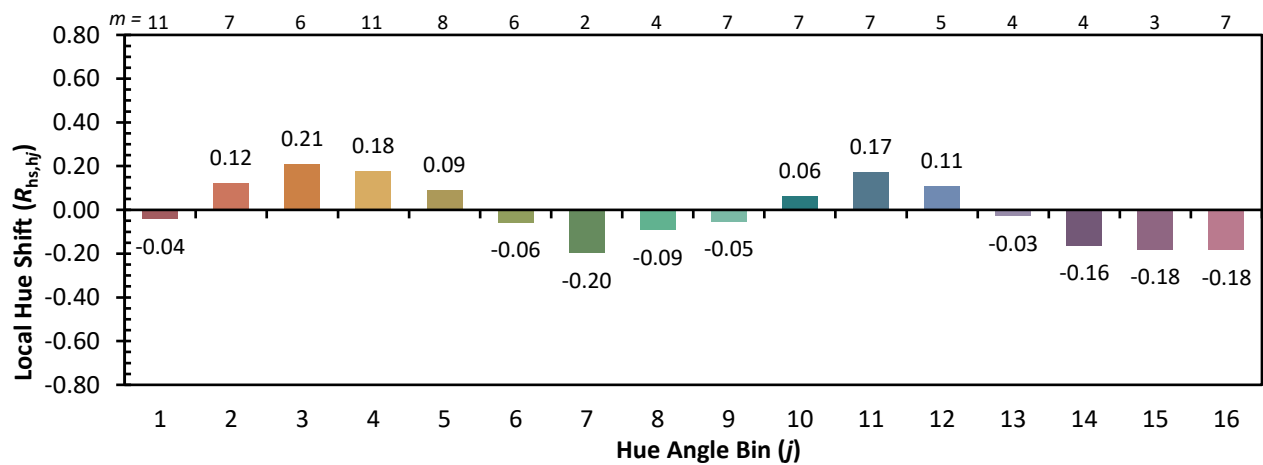
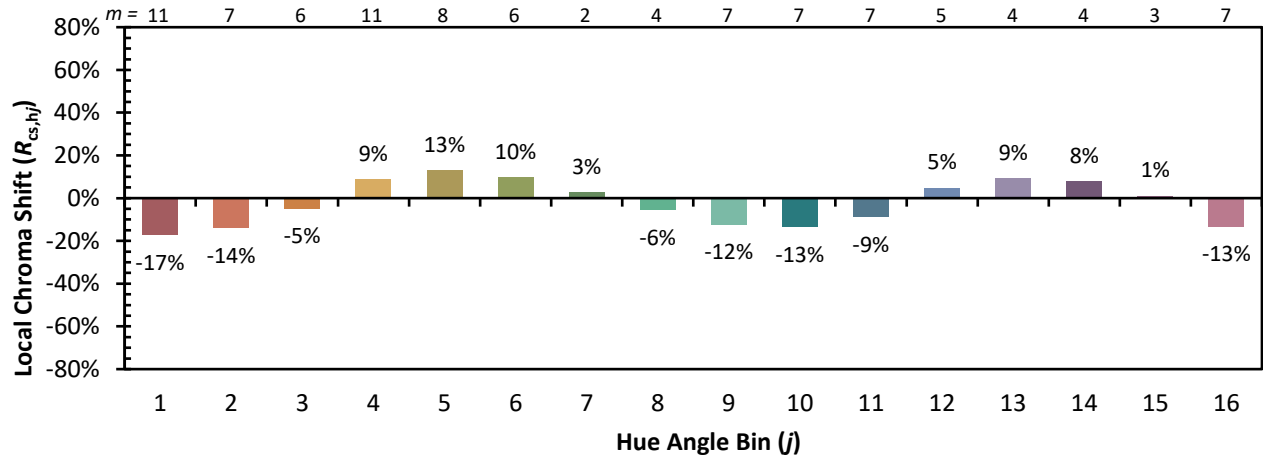


Individual Sample Fidelity Index ($R_{f,i}$)

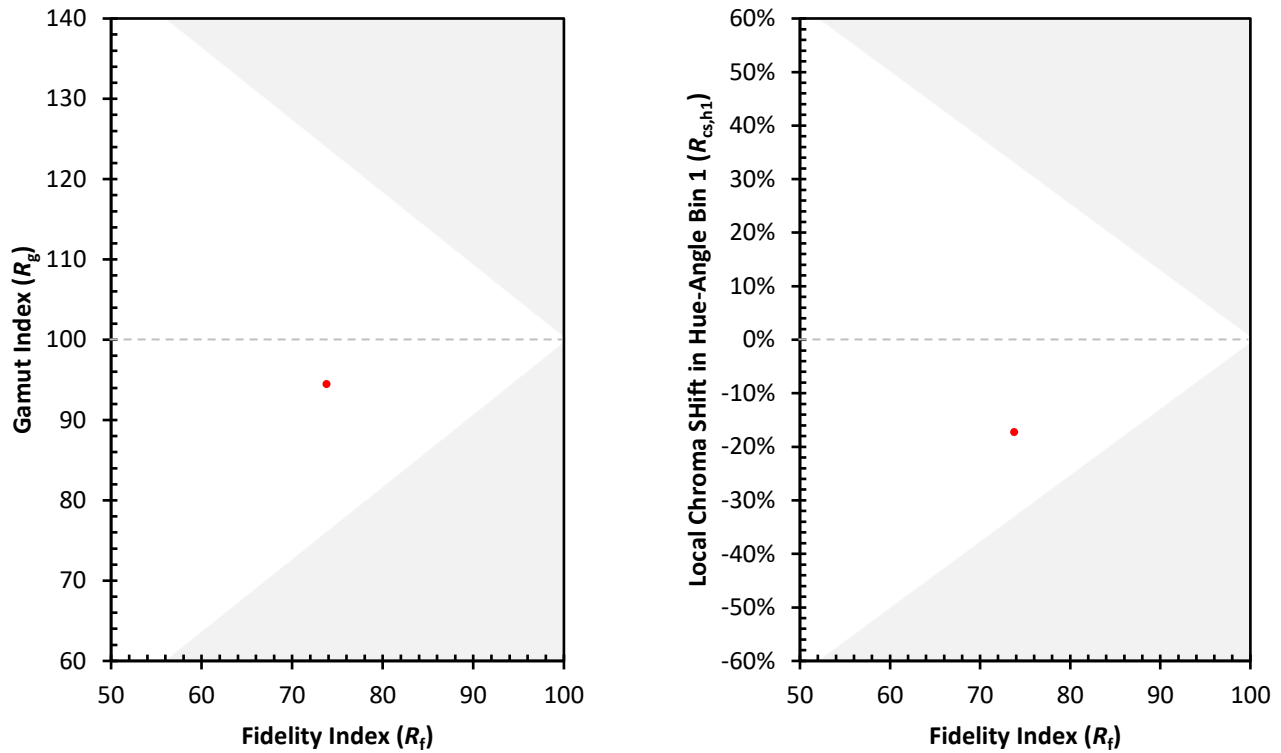
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)