

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: P1049599

Luminaire Tested: **GALN-SA8C-730-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049599
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8C-730-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 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: 39068.3 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

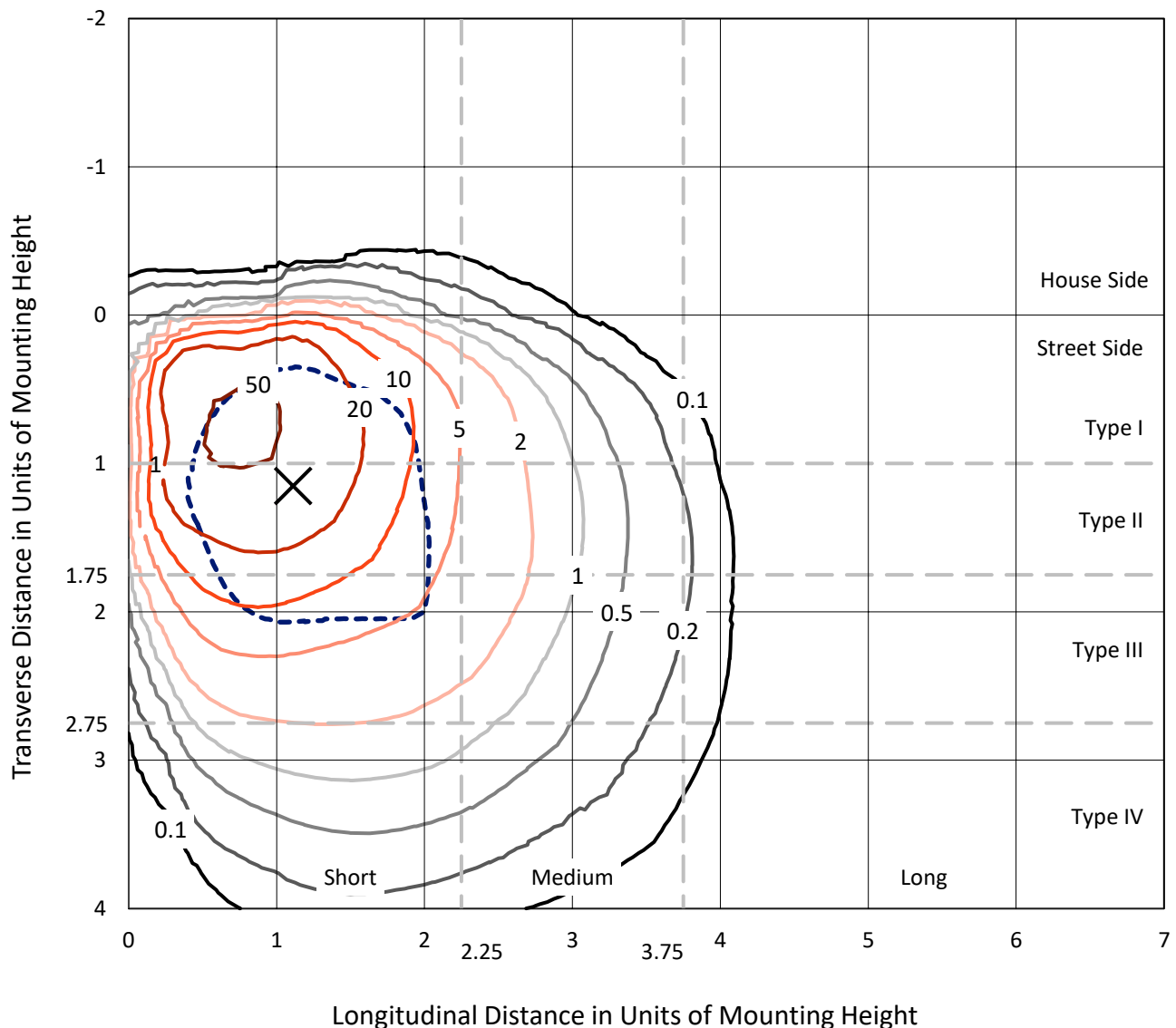
Input Watts (W): 372.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049599

CATALOG NUMBER: GALN-SA8C-730-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

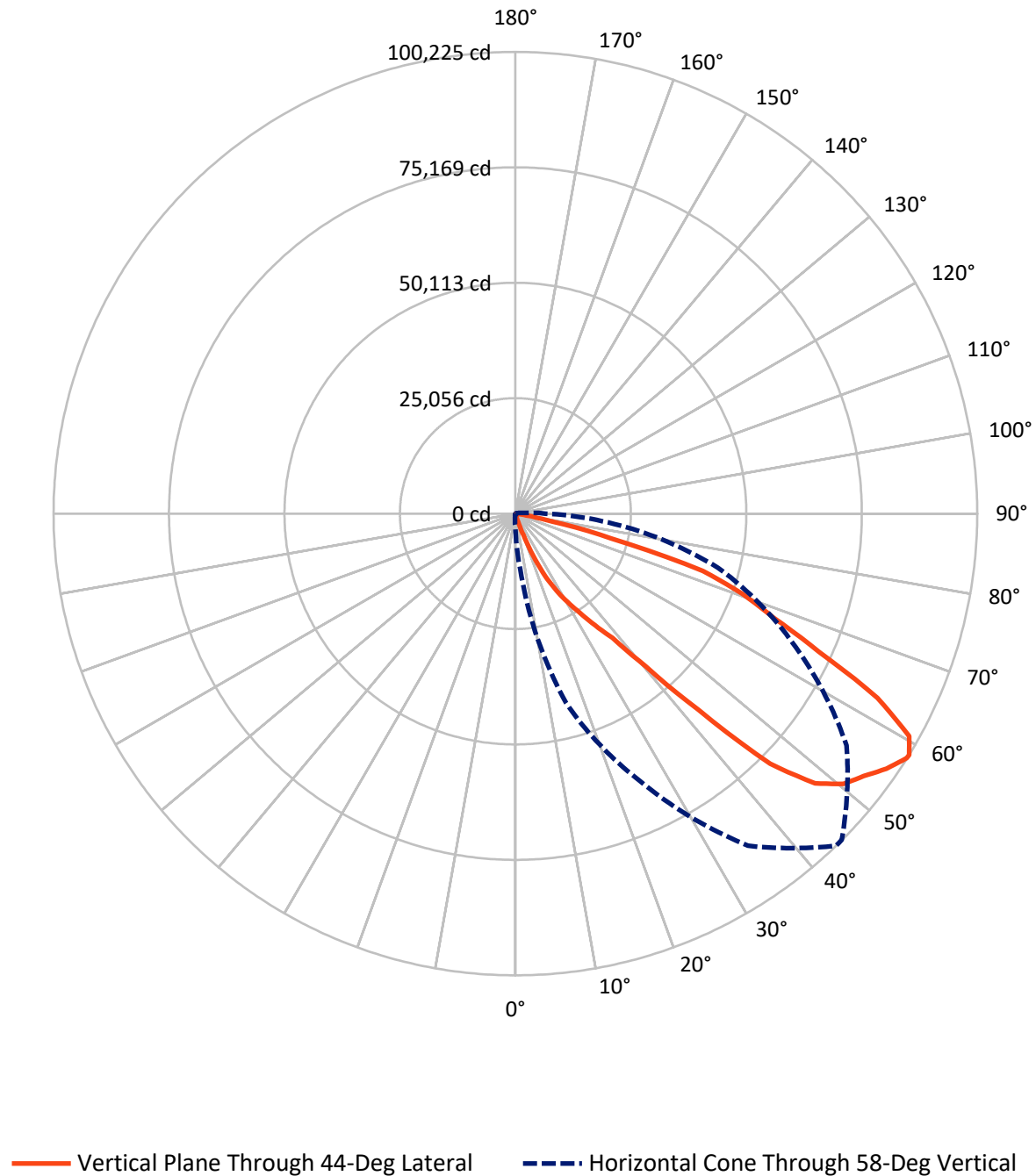
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 68 fc
 Type III - Short - N/A

REPORT NUMBER: P1049599
CATALOG NUMBER: GALN-SA8C-730-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049599

CATALOG NUMBER: GALN-SA8C-730-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	266.8	0.0	266.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	38801.5	0.0	38801.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	39068.3	0.0	39068.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.0
10°-20°	85.7	0.2
20°-30°	925.5	2.4
30°-40°	2737.1	7.0
40°-50°	8158.1	20.9
50°-60°	12944.9	33.1
60°-70°	10797.6	27.6
70°-80°	3330.1	8.5
80°-90°	74.0	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°	39068.3	100.0
0°-180°	39068.3	100.0



REPORT NUMBER: P1049599

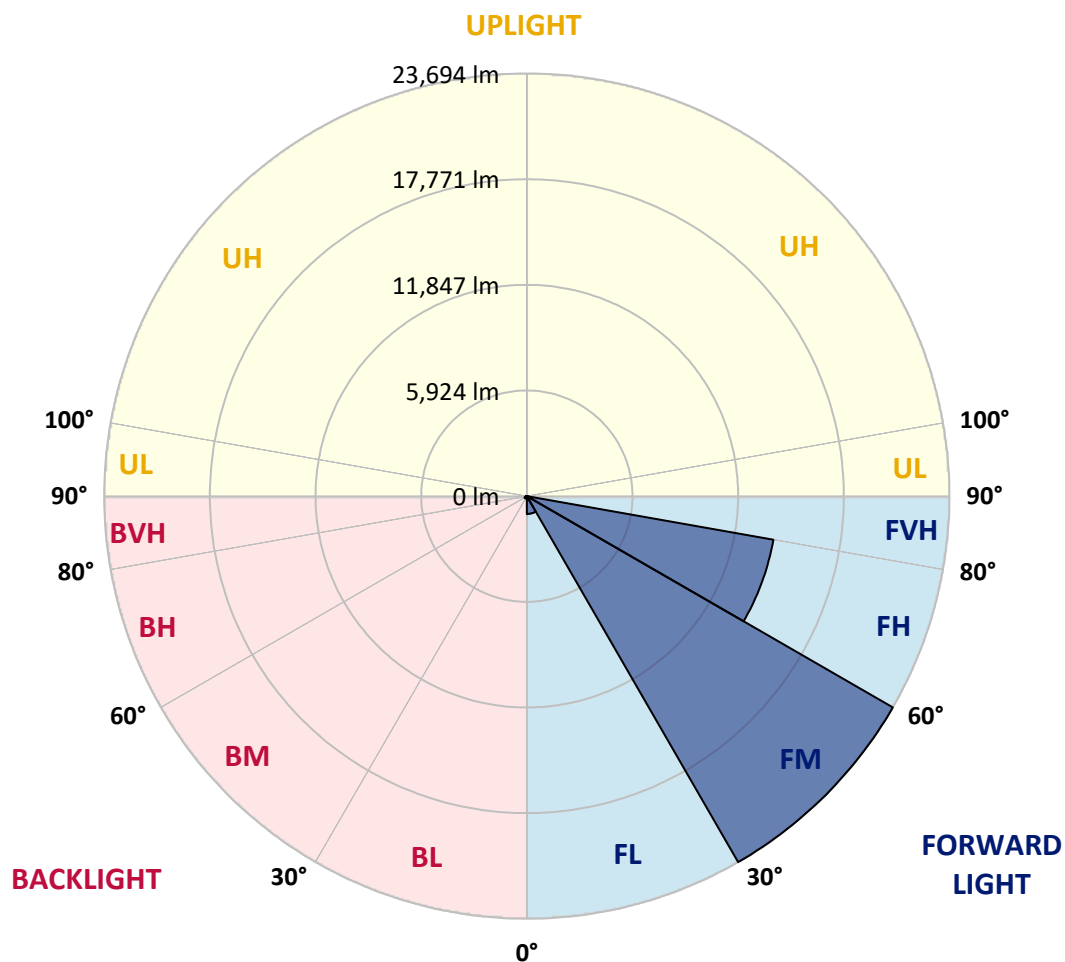
CATALOG NUMBER: GALN-SA8C-730-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1000.4	2.6			
FM	(30°-60°)	23694.1	60.6			
FH	(60°-80°)	14036.6	35.9			G5
FVH	(80°-90°)	70.4	0.2			G1/100
BL	(0°-30°)	26.1	0.1	B0/110		
BM	(30°-60°)	146.0	0.4	B0/220		
BH	(60°-80°)	91.1	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G5

Type III Short



REPORT NUMBER: P1049599

CATALOG NUMBER: GALN-SA8C-730-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
2.5°	221.3	221.3	212.5	200.7	188.9	177.1	174.1	168.2	165.3	162.3
5°	230.2	230.2	227.2	218.4	206.6	197.7	197.7	188.9	183.0	177.1
7.5°	236.1	239.1	245.0	242.0	236.1	227.2	227.2	221.3	212.5	197.7
10°	245.0	253.8	265.6	271.5	274.5	274.5	271.5	268.6	253.8	233.2
12.5°	253.8	271.5	301.0	330.5	348.3	371.9	368.9	363.0	324.6	280.4
15°	271.5	298.1	360.1	445.6	578.4	661.1	693.5	664.0	537.1	377.8
17.5°	292.2	336.4	522.4	932.6	1528.8	1812.1	1983.3	1844.5	1221.8	717.2
20°	312.8	410.2	971.0	2417.1	3966.5	4893.2	5150.0	4748.6	3048.7	1366.4
22.5°	348.3	575.5	1968.5	4996.5	8546.9	9936.9	10199.6	8915.8	5757.9	2697.5
25°	422.0	835.2	3394.0	8142.6	12755.4	15101.7	14992.5	13310.2	9340.8	4308.9
27.5°	528.3	1215.9	5132.3	11569.0	16786.8	18855.7	19103.6	17022.9	12451.4	6336.4
30°	681.7	1685.2	6997.5	14313.7	20018.5	22255.6	22296.9	20145.4	15234.5	8116.0
32.5°	829.3	2127.9	8629.5	16966.9	23202.9	25655.4	25838.4	23191.1	17312.2	9969.4
35°	941.5	2417.1	10282.2	19298.4	26413.9	29793.1	29781.3	26638.2	19773.5	11625.1
37.5°	950.3	2706.3	11778.5	21683.0	30480.8	34264.3	34639.1	31174.3	22748.4	13673.3
40°	929.7	3031.0	13673.3	25401.6	37808.8	43613.9	43944.5	39576.6	28715.9	17179.4
42.5°	953.3	3594.7	16748.5	32269.2	49976.9	58314.2	58951.7	54359.5	39685.8	24333.3
45°	1077.2	4654.2	23191.1	43758.5	67321.5	77485.7	77273.2	70659.4	52450.0	35223.5
47.5°	1487.4	7248.3	32741.4	54940.9	78406.5	87458.0	87641.0	79557.5	59899.0	43596.2
50°	2287.2	11090.9	40765.9	60852.3	83172.8	92253.9	92082.7	82741.9	62729.3	47719.1
52.5°	2974.9	13871.0	44791.5	62927.1	83783.7	94623.7	94611.9	83580.1	63169.1	48073.3
55°	3146.1	14080.5	44823.9	63039.2	85153.1	97725.5	98115.1	85643.0	63738.7	46526.8
57.5°	3078.2	12466.2	42952.8	63688.5	87590.8	100124.9	100145.6	87641.0	65184.8	45579.5
58°	3019.2	12212.4	42575.1	64057.4	88009.9	100225.3	100175.1	87732.5	66362.3	45544.1
60°	2688.6	10603.9	41102.4	64998.8	87387.2	98165.3	97696.0	85734.5	66188.2	45181.0
62.5°	2113.1	8272.4	39653.3	63909.8	80711.4	88192.9	88387.7	75903.8	60338.8	43065.0
65°	1682.2	6165.2	36631.2	56059.4	66462.7	72424.3	73150.3	61722.9	50363.5	36465.9
67.5°	1339.9	4456.4	30728.7	44632.1	52591.7	60445.0	60973.3	51821.4	39018.8	27939.7
70°	1089.0	3013.3	21210.8	32641.1	43377.8	52208.0	52240.5	43050.2	29123.2	18306.8
72.5°	965.1	2086.6	12312.7	23805.0	35173.3	42542.6	41683.8	34934.2	22382.5	10843.0
75°	835.2	1384.1	6038.3	14552.7	21325.9	21470.5	21798.1	16205.4	11188.3	5155.9
77.5°	687.6	982.8	2378.7	3975.4	6395.4	8186.8	8490.8	6433.8	3721.6	1269.0
80°	472.2	466.3	640.4	1218.9	1829.8	2293.1	2139.7	1655.7	973.9	487.0
82.5°	203.6	221.3	289.2	348.3	283.3	274.5	262.7	168.2	129.9	100.3
85°	64.9	59.0	62.0	62.0	50.2	38.4	38.4	17.7	0.0	0.0
87.5°	32.5	26.6	26.6	23.6	14.8	5.9	3.0	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: P1049599

CATALOG NUMBER: GALN-SA8C-730-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
171.2	0°	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
159.4	2.5°	156.4	156.4	150.5	144.6	141.7	135.8	132.8	129.9	126.9	124.0
171.2	5°	165.3	162.3	153.5	144.6	135.8	126.9	121.0	115.1	109.2	106.2
188.9	7.5°	180.0	174.1	156.4	141.7	129.9	118.1	112.1	103.3	97.4	88.5
209.5	10°	197.7	185.9	162.3	144.6	126.9	112.1	103.3	94.4	85.6	73.8
239.1	12.5°	221.3	200.7	171.2	141.7	121.0	103.3	94.4	82.6	73.8	64.9
277.4	15°	242.0	215.4	174.1	141.7	115.1	94.4	82.6	70.8	62.0	50.2
348.3	17.5°	271.5	227.2	171.2	132.8	106.2	82.6	70.8	62.0	47.2	29.5
516.5	20°	321.7	236.1	165.3	124.0	91.5	67.9	53.1	41.3	20.7	5.9
776.2	22.5°	401.4	259.7	159.4	112.1	79.7	53.1	35.4	14.8	0.0	0.0
1180.5	25°	554.8	301.0	159.4	106.2	70.8	38.4	11.8	0.0	0.0	0.0
1676.3	27.5°	737.8	357.1	159.4	91.5	56.1	20.7	0.0	0.0	0.0	0.0
2284.3	30°	923.7	419.1	159.4	79.7	44.3	3.0	0.0	0.0	0.0	0.0
2812.6	32.5°	1100.8	472.2	162.3	67.9	29.5	0.0	0.0	0.0	0.0	0.0
3544.5	35°	1280.9	481.1	159.4	59.0	17.7	0.0	0.0	0.0	0.0	0.0
4441.7	37.5°	1511.1	463.3	150.5	53.1	8.9	0.0	0.0	0.0	0.0	0.0
5843.5	40°	1859.3	472.2	141.7	50.2	3.0	0.0	0.0	0.0	0.0	0.0
8343.3	42.5°	2502.7	510.6	129.9	50.2	0.0	0.0	0.0	0.0	0.0	0.0
13289.6	45°	4326.6	684.7	118.1	53.1	0.0	0.0	0.0	0.0	0.0	0.0
19950.6	47.5°	7156.8	1230.7	115.1	53.1	0.0	0.0	0.0	0.0	0.0	0.0
24032.2	50°	9134.2	1549.4	121.0	56.1	0.0	0.0	0.0	0.0	0.0	0.0
24542.8	52.5°	9119.4	1726.5	126.9	59.0	11.8	0.0	0.0	0.0	0.0	0.0
22621.5	55°	8107.1	1759.0	135.8	64.9	38.4	0.0	0.0	0.0	0.0	0.0
19440.0	57.5°	6776.1	1605.5	156.4	79.7	70.8	0.0	0.0	0.0	0.0	0.0
18941.3	58°	6540.0	1534.7	162.3	82.6	76.7	0.0	0.0	0.0	0.0	0.0
16429.7	60°	5359.5	1251.3	206.6	103.3	103.3	0.0	0.0	0.0	0.0	0.0
13469.6	62.5°	3700.9	1092.0	236.1	132.8	106.2	0.0	0.0	0.0	0.0	0.0
9931.0	65°	2617.8	985.7	256.8	141.7	85.6	0.0	0.0	0.0	0.0	0.0
7056.5	67.5°	1956.7	909.0	283.3	144.6	44.3	0.0	0.0	0.0	0.0	0.0
4426.9	70°	1499.2	852.9	348.3	153.5	11.8	0.0	0.0	0.0	0.0	0.0
2638.4	72.5°	1221.8	788.0	422.0	159.4	0.0	0.0	0.0	0.0	0.0	0.0
1581.9	75°	1012.3	711.3	407.3	174.1	0.0	0.0	0.0	0.0	0.0	0.0
844.1	77.5°	672.9	551.9	371.9	174.1	0.0	0.0	0.0	0.0	0.0	0.0
301.0	80°	236.1	218.4	289.2	153.5	0.0	0.0	0.0	0.0	0.0	0.0
62.0	82.5°	35.4	29.5	41.3	53.1	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: P1049599

CATALOG NUMBER: GALN-SA8C-730-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
171.2	0°	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
121.0	2.5°	121.0	121.0	118.1	121.0	121.0	126.9	141.7	162.3	185.9	194.8
103.3	5°	100.3	97.4	94.4	94.4	94.4	103.3	115.1	138.7	165.3	177.1
85.6	7.5°	82.6	79.7	76.7	73.8	73.8	79.7	94.4	121.0	147.6	159.4
70.8	10°	67.9	62.0	59.0	56.1	56.1	62.0	76.7	103.3	132.8	144.6
59.0	12.5°	56.1	47.2	41.3	38.4	35.4	44.3	59.0	82.6	115.1	129.9
44.3	15°	38.4	29.5	20.7	17.7	14.8	23.6	38.4	64.9	97.4	115.1
23.6	17.5°	20.7	8.9	3.0	0.0	0.0	5.9	17.7	47.2	79.7	94.4
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	59.0	73.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	35.4	50.2
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	26.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
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	8.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	23.6
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: P1049599

CATALOG NUMBER: GALN-SA8C-730-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
171.2	0°	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
203.6	2.5°	209.5	206.6	200.7	194.8	194.8	194.8	203.6	212.5	221.3	221.3
183.0	5°	194.8	194.8	191.8	185.9	185.9	188.9	200.7	215.4	227.2	230.2
168.2	7.5°	180.0	185.9	180.0	177.1	180.0	183.0	194.8	212.5	230.2	236.1
156.4	10°	171.2	174.1	174.1	171.2	171.2	177.1	188.9	212.5	236.1	245.0
141.7	12.5°	159.4	165.3	162.3	162.3	162.3	168.2	183.0	209.5	242.0	253.8
126.9	15°	147.6	156.4	156.4	153.5	153.5	156.4	177.1	206.6	250.9	271.5
109.2	17.5°	135.8	144.6	147.6	141.7	141.7	147.6	168.2	206.6	256.8	292.2
88.5	20°	112.1	126.9	135.8	126.9	126.9	132.8	153.5	194.8	259.7	312.8
64.9	22.5°	88.5	103.3	115.1	112.1	112.1	115.1	141.7	185.9	262.7	348.3
38.4	25°	64.9	79.7	88.5	94.4	94.4	103.3	129.9	180.0	274.5	422.0
17.7	27.5°	38.4	56.1	67.9	73.8	76.7	88.5	121.0	174.1	295.1	528.3
0.0	30°	17.7	32.5	47.2	59.0	59.0	79.7	112.1	168.2	321.7	681.7
0.0	32.5°	0.0	14.8	23.6	41.3	44.3	64.9	103.3	162.3	360.1	829.3
0.0	35°	0.0	0.0	11.8	32.5	32.5	53.1	94.4	156.4	419.1	941.5
0.0	37.5°	0.0	0.0	0.0	23.6	26.6	47.2	91.5	153.5	430.9	950.3
0.0	40°	0.0	0.0	0.0	17.7	20.7	44.3	91.5	156.4	389.6	929.7
0.0	42.5°	0.0	0.0	0.0	11.8	14.8	44.3	91.5	162.3	351.2	953.3
0.0	45°	0.0	0.0	0.0	8.9	11.8	47.2	88.5	159.4	330.5	1077.2
0.0	47.5°	0.0	0.0	0.0	11.8	17.7	47.2	85.6	156.4	333.5	1487.4
0.0	50°	0.0	0.0	0.0	14.8	20.7	47.2	88.5	150.5	366.0	2287.2
0.0	52.5°	0.0	0.0	0.0	11.8	17.7	53.1	97.4	147.6	398.4	2974.9
0.0	55°	0.0	0.0	0.0	3.0	8.9	67.9	106.2	147.6	448.6	3146.1
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	76.7	121.0	156.4	531.2	3078.2
0.0	58°	0.0	0.0	0.0	0.0	0.0	76.7	124.0	156.4	537.1	3019.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	76.7	135.8	174.1	578.4	2688.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	64.9	162.3	218.4	602.1	2113.1
0.0	65°	0.0	0.0	0.0	0.0	0.0	53.1	191.8	239.1	619.8	1682.2
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	50.2	197.7	242.0	628.6	1339.9
0.0	70°	0.0	0.0	0.0	0.0	0.0	53.1	194.8	259.7	658.1	1089.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	59.0	177.1	286.3	658.1	965.1
0.0	75°	0.0	0.0	0.0	0.0	0.0	62.0	165.3	321.7	599.1	835.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	59.0	162.3	374.8	534.2	687.6
0.0	80°	5.9	8.9	8.9	5.9	5.9	50.2	159.4	380.7	454.5	472.2
3.0	82.5°	17.7	23.6	20.7	14.8	14.8	44.3	141.7	318.7	236.1	203.6
17.7	85°	32.5	38.4	38.4	32.5	32.5	41.3	88.5	115.1	79.7	64.9
32.5	87.5°	44.3	50.2	50.2	44.3	44.3	41.3	38.4	35.4	32.5	32.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF RI



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

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-4

Test Date: 10/10/2024

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

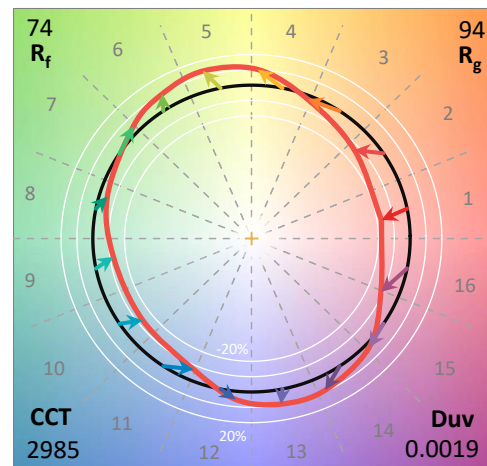
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

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

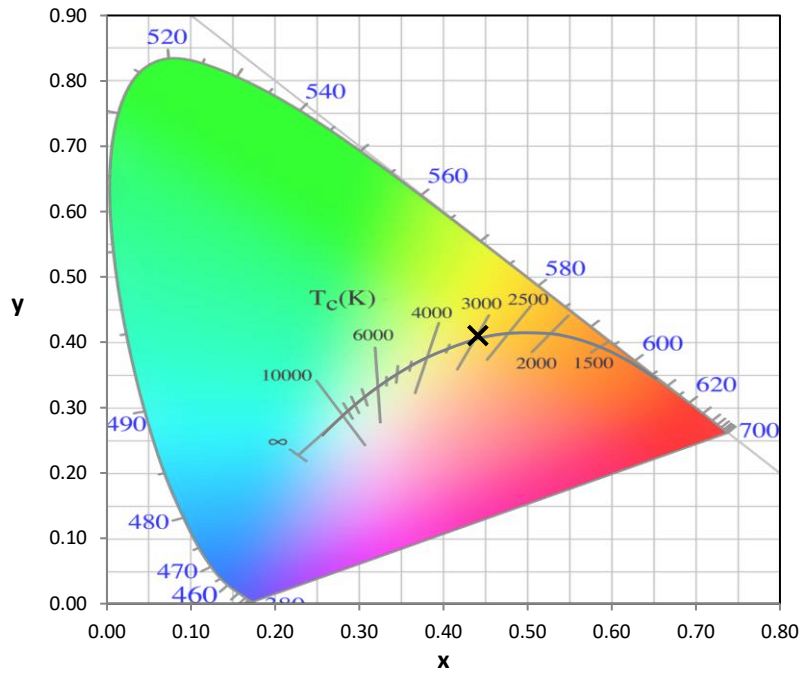
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

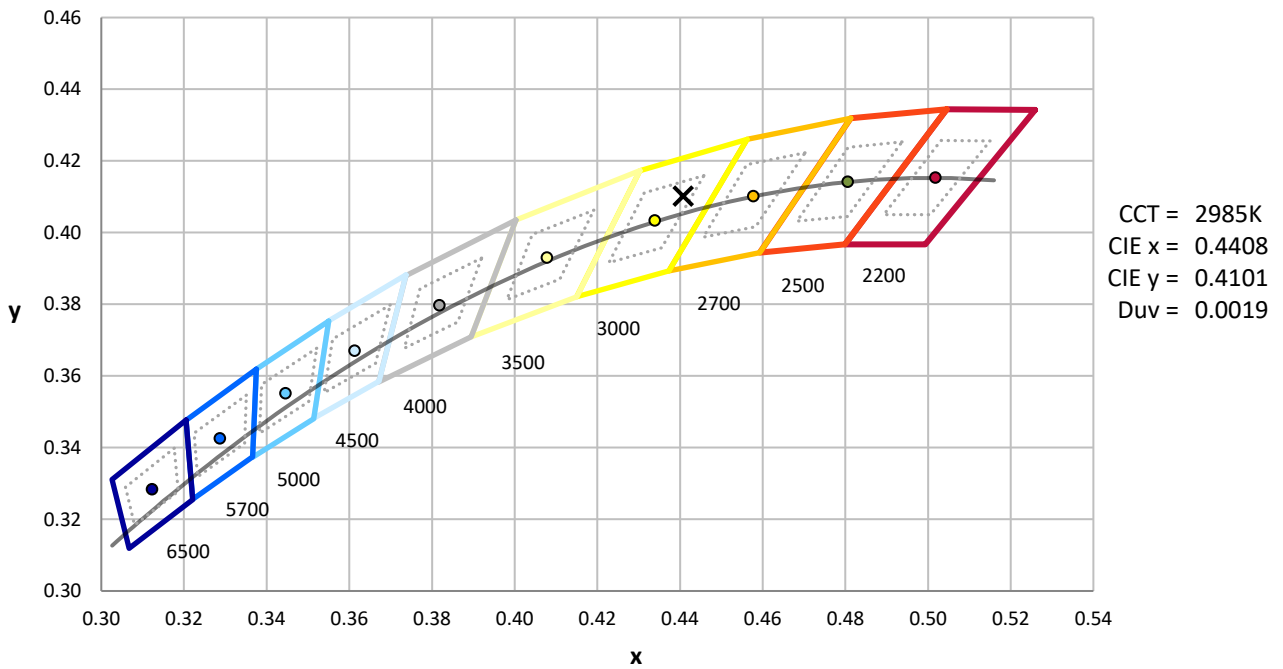
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



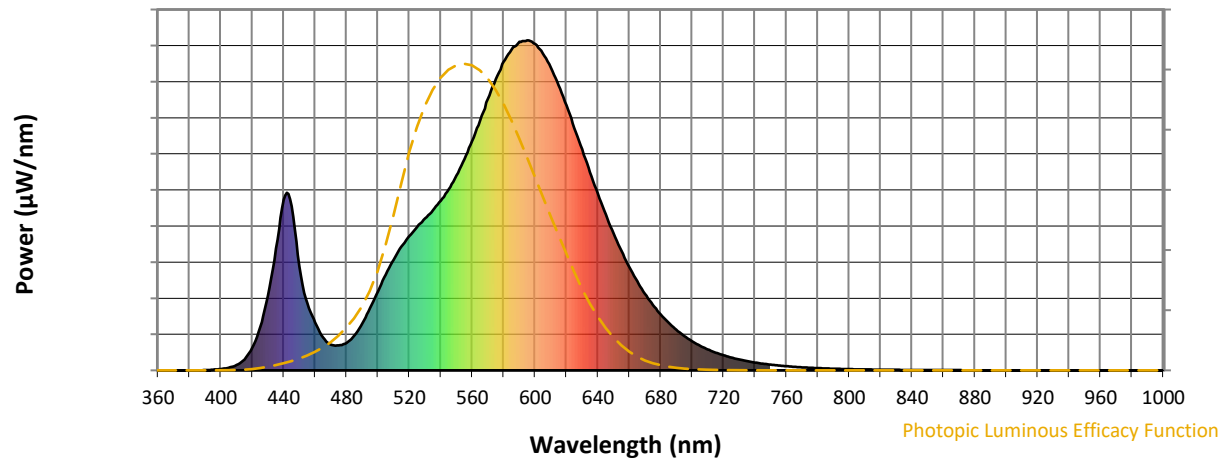
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

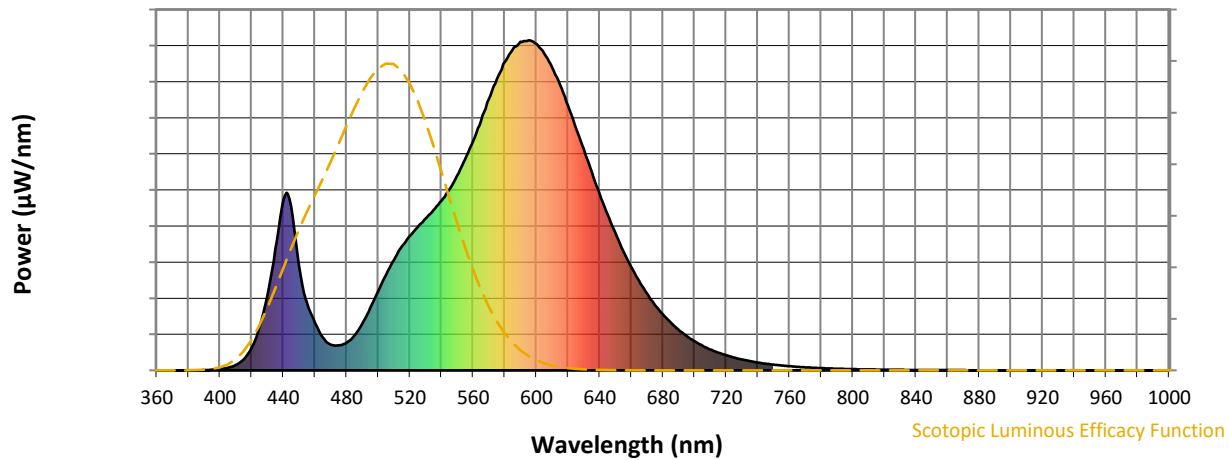


Photopic Lumens: NR

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



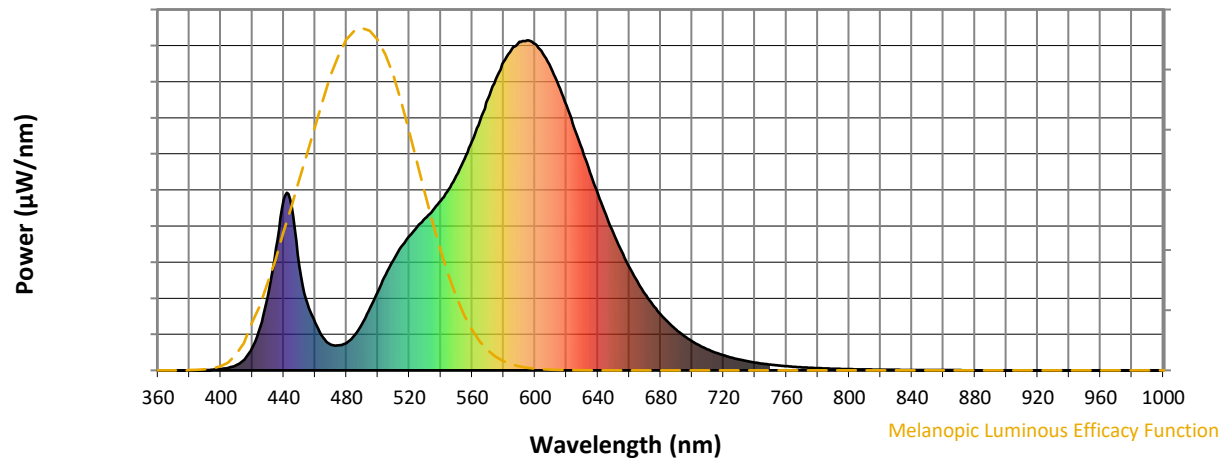
Scotopic Lumens: NR

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

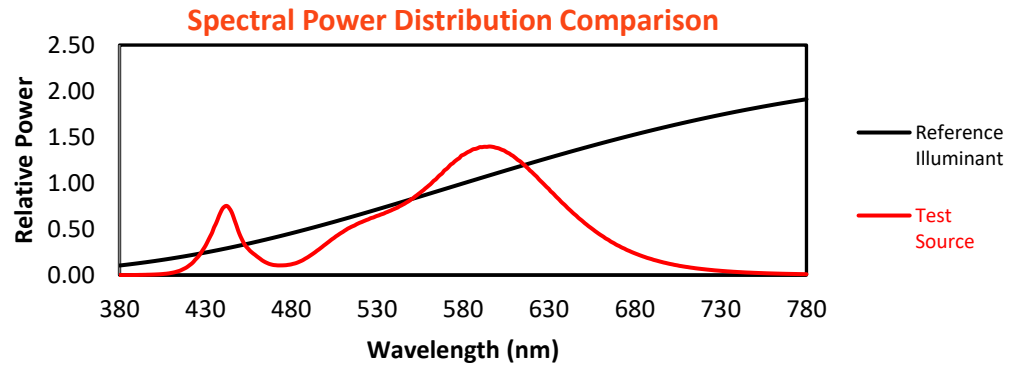
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	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

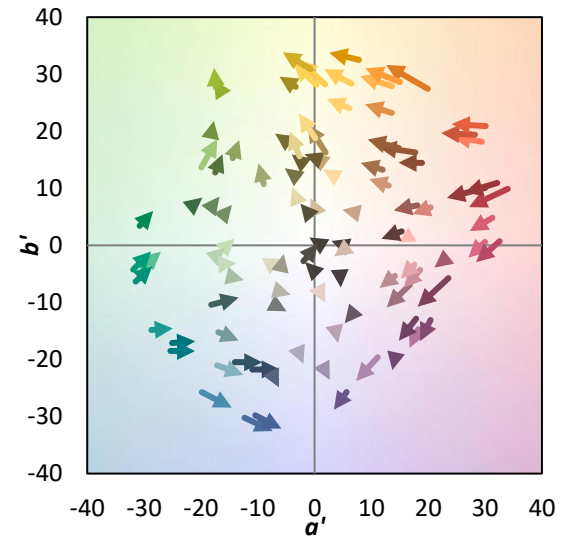
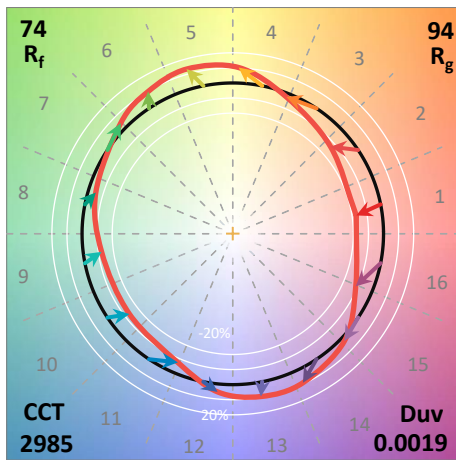
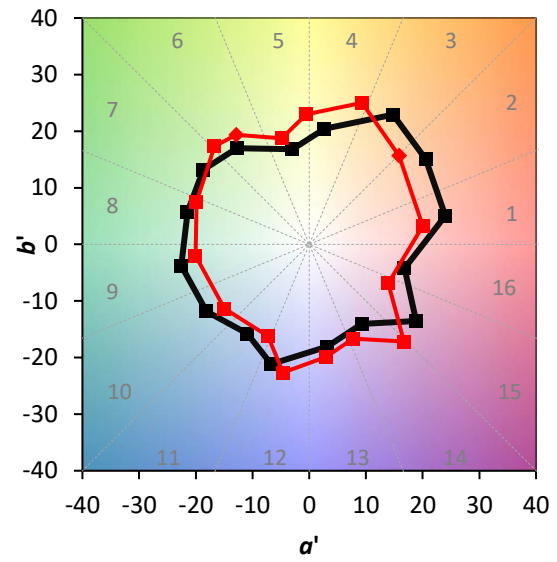
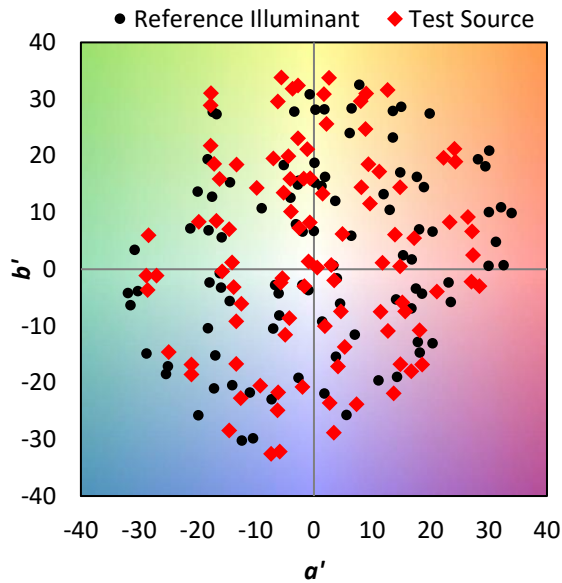
TM-30-18

Summary

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

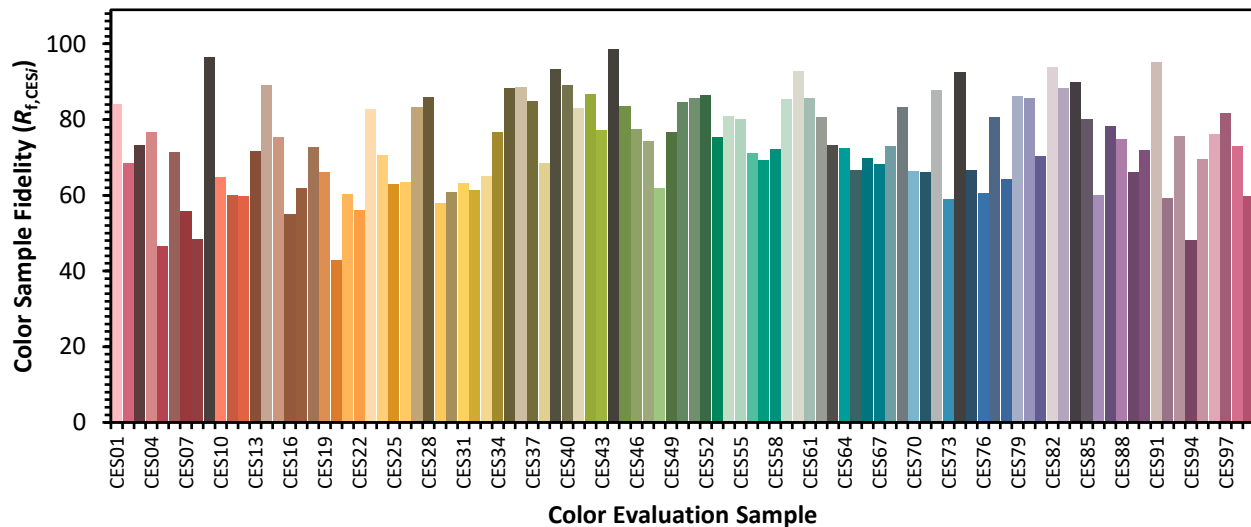


Color Vector Graphics

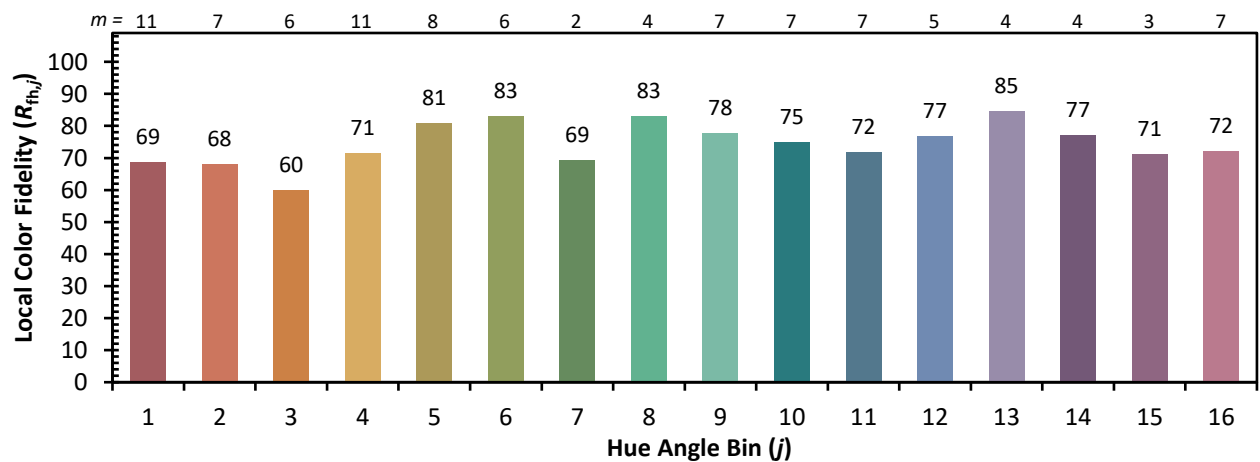
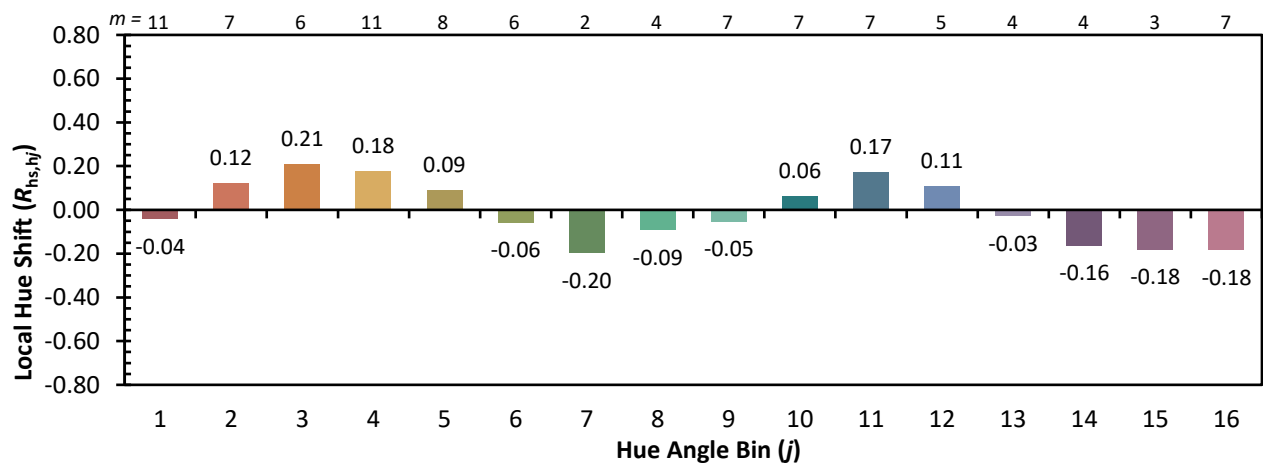
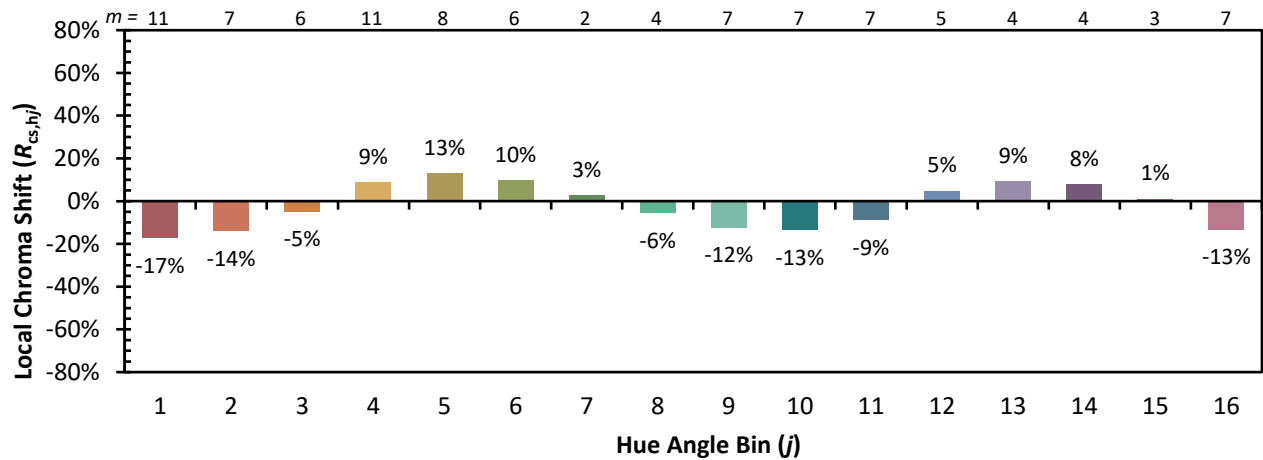


Individual Sample Fidelity Index ($R_{f,i}$)

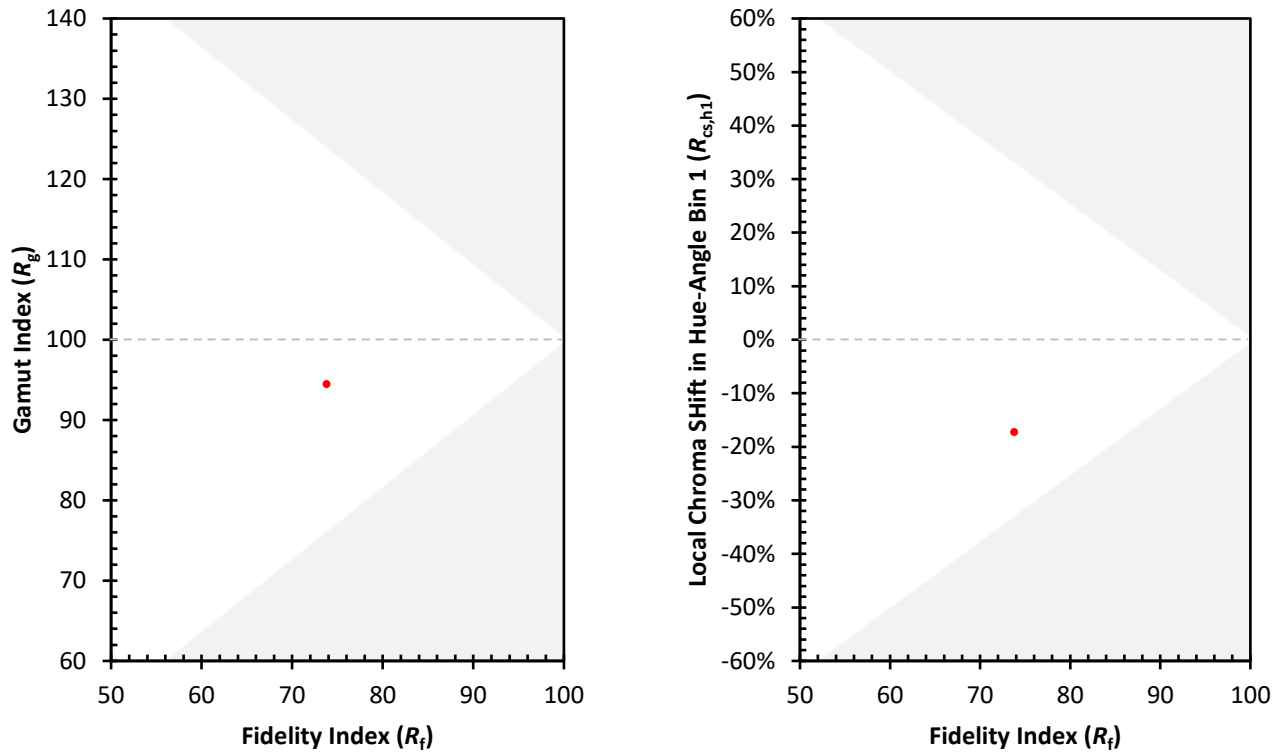
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 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)