

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: STREETWORKS

Report Number: P1065227

Luminaire Tested: **GLAN-SA6C-730-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065227
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-730-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
70CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29390.1 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 282.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

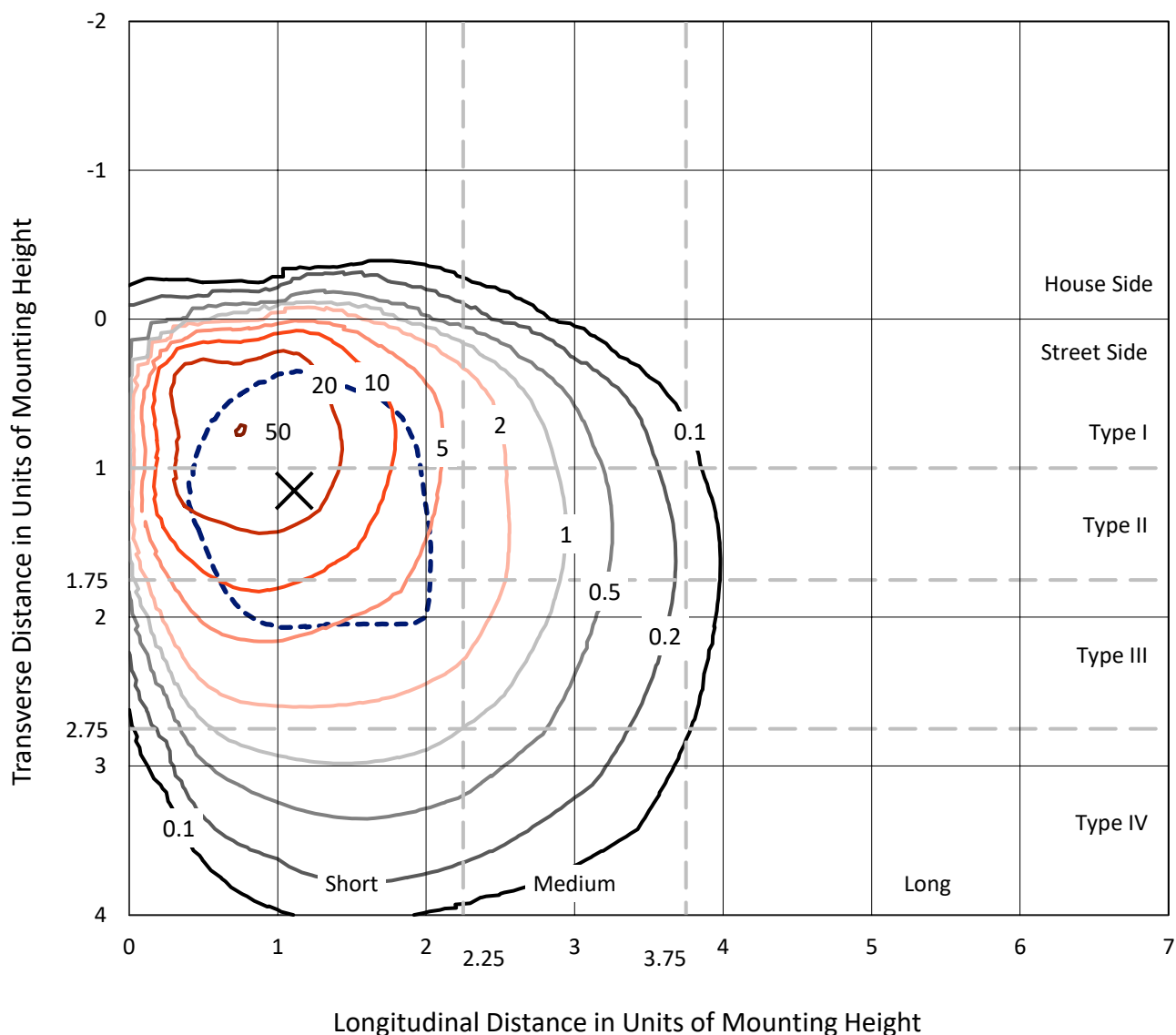
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

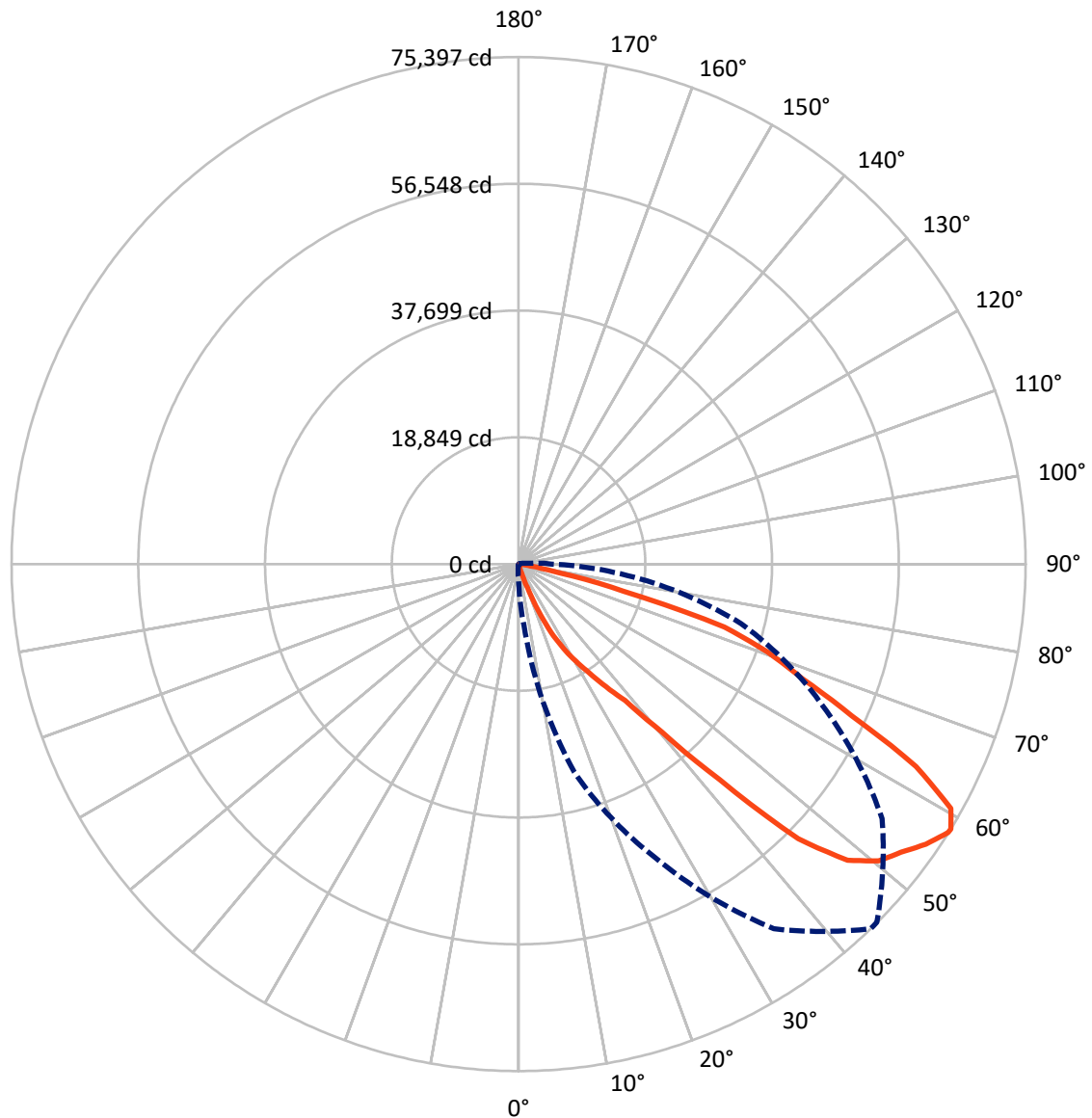


Based on 20 foot mounting height. Maximum calculated value = 51.2 fc

Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	200.7	0.0	200.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	29189.4	0.0	29189.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	29390.1	0.0	29390.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.5	0.0
10°-20°	64.5	0.2
20°-30°	696.3	2.4
30°-40°	2059.1	7.0
40°-50°	6137.1	20.9
50°-60°	9738.1	33.1
60°-70°	8122.8	27.6
70°-80°	2505.2	8.5
80°-90°	55.6	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°	29390.1	100.0
0°-180°	29390.1	100.0



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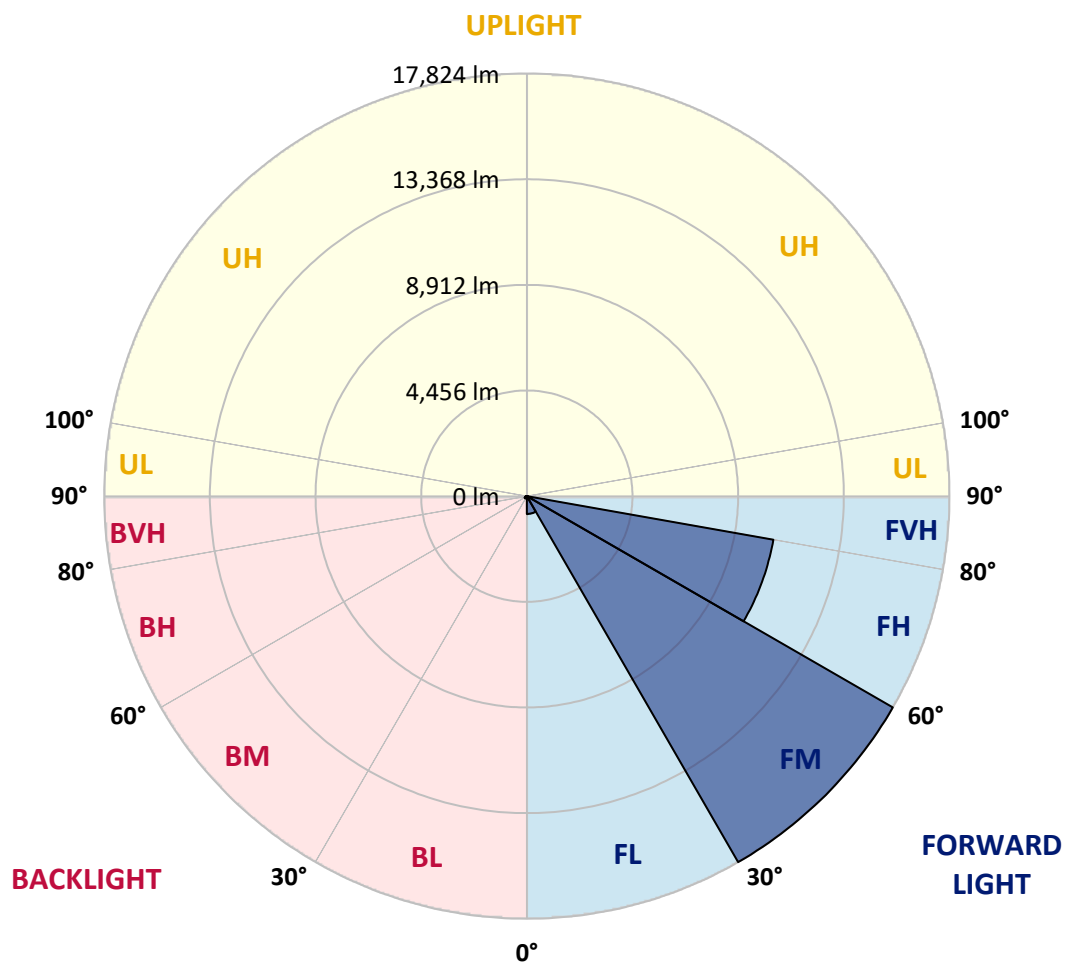
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	752.6	2.6			
FM	(30°-60°)	17824.5	60.6			
FH	(60°-80°)	10559.4	35.9			G4/12000
FVH	(80°-90°)	52.9	0.2			G1/100
BL	(0°-30°)	19.6	0.1	B0/110		
BM	(30°-60°)	109.8	0.4	B0/220		
BH	(60°-80°)	68.5	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
2.5°	166.5	166.5	159.9	151.0	142.1	133.2	131.0	126.5	124.3	122.1
5°	173.2	173.2	171.0	164.3	155.4	148.8	148.8	142.1	137.7	133.2
7.5°	177.6	179.8	184.3	182.1	177.6	171.0	171.0	166.5	159.9	148.8
10°	184.3	190.9	199.8	204.3	206.5	206.5	204.3	202.0	190.9	175.4
12.5°	190.9	204.3	226.5	248.7	262.0	279.7	277.5	273.1	244.2	210.9
15°	204.3	224.2	270.9	335.2	435.2	497.3	521.7	499.5	404.1	284.2
17.5°	219.8	253.1	393.0	701.6	1150.1	1363.2	1492.0	1387.6	919.2	539.5
20°	235.3	308.6	730.4	1818.3	2983.9	3681.0	3874.2	3572.3	2293.4	1027.9
22.5°	262.0	432.9	1480.9	3758.8	6429.6	7475.3	7672.9	6707.1	4331.6	2029.2
25°	317.5	628.3	2553.2	6125.5	9595.6	11360.6	11278.5	10013.0	7026.9	3241.5
27.5°	397.4	914.7	3860.9	8703.1	12628.4	14184.7	14371.2	12806.0	9366.9	4766.7
30°	512.9	1267.7	5264.0	10767.8	15059.4	16742.3	16773.4	15154.9	11460.5	6105.5
32.5°	623.9	1600.7	6491.8	12763.8	17455.0	19300.0	19437.6	17446.1	13023.5	7499.7
35°	708.2	1818.3	7735.1	14517.7	19870.6	22412.7	22403.8	20039.3	14875.2	8745.3
37.5°	714.9	2035.9	8860.7	16311.6	22930.0	25776.2	26058.2	23451.7	17113.1	10286.1
40°	699.4	2280.1	10286.1	19109.0	28442.7	32809.7	33058.4	29772.5	21602.3	12923.6
42.5°	717.1	2704.2	12599.5	24275.4	37596.4	43868.4	44348.0	40893.4	29854.7	18305.3
45°	810.4	3501.2	17446.1	32918.5	50644.4	58290.7	58130.8	53155.4	39456.9	26497.8
47.5°	1119.0	5452.7	24630.6	41330.8	58983.4	65792.6	65930.3	59849.2	45060.7	32796.4
50°	1720.6	8343.4	30667.3	45777.8	62569.0	69400.4	69271.7	62244.8	47189.8	35898.0
52.5°	2237.9	10434.8	33695.6	47338.6	63028.5	71183.2	71174.4	62875.3	47520.6	36164.4
55°	2366.7	10592.5	33720.0	47422.9	64058.7	73516.6	73809.7	64427.2	47949.1	35001.0
57.5°	2315.6	9378.0	32312.4	47911.4	65892.6	75321.6	75337.2	65930.3	49037.0	34288.4
58°	2271.2	9187.1	32028.2	48188.9	66207.8	75397.1	75359.4	65999.1	49922.8	34261.7
60°	2022.6	7977.1	30920.4	48897.1	65739.4	73847.4	73494.4	64496.1	49791.9	33988.6
62.5°	1589.6	6223.1	29830.3	48077.9	60717.3	66345.5	66492.0	57100.7	45391.5	32396.8
65°	1265.5	4637.9	27556.8	42172.2	49998.3	54483.1	55029.2	46432.7	37887.3	27432.5
67.5°	1008.0	3352.5	23116.5	33575.7	39563.5	45471.4	45868.8	38984.0	29352.9	21018.4
70°	819.2	2266.8	15956.4	24555.1	32632.1	39274.9	39299.3	32385.7	21908.7	13771.7
72.5°	726.0	1569.7	9262.6	17907.9	26460.0	32003.8	31357.7	26280.2	16837.8	8156.9
75°	628.3	1041.3	4542.5	10947.7	16043.0	16151.8	16398.2	12191.0	8416.7	3878.6
77.5°	517.3	739.3	1789.5	2990.6	4811.1	6158.8	6387.4	4840.0	2799.6	954.7
80°	355.2	350.8	481.8	916.9	1376.5	1725.1	1609.6	1245.5	732.7	366.3
82.5°	153.2	166.5	217.6	262.0	213.1	206.5	197.6	126.5	97.7	75.5
85°	48.8	44.4	46.6	46.6	37.7	28.9	28.9	13.3	0.0	0.0
87.5°	24.4	20.0	20.0	17.8	11.1	4.4	2.2	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

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
128.8	0°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
119.9	2.5°	117.7	117.7	113.2	108.8	106.6	102.1	99.9	97.7	95.5	93.2
128.8	5°	124.3	122.1	115.4	108.8	102.1	95.5	91.0	86.6	82.1	79.9
142.1	7.5°	135.4	131.0	117.7	106.6	97.7	88.8	84.4	77.7	73.3	66.6
157.6	10°	148.8	139.9	122.1	108.8	95.5	84.4	77.7	71.0	64.4	55.5
179.8	12.5°	166.5	151.0	128.8	106.6	91.0	77.7	71.0	62.2	55.5	48.8
208.7	15°	182.1	162.1	131.0	106.6	86.6	71.0	62.2	53.3	46.6	37.7
262.0	17.5°	204.3	171.0	128.8	99.9	79.9	62.2	53.3	46.6	35.5	22.2
388.5	20°	242.0	177.6	124.3	93.2	68.8	51.1	40.0	31.1	15.5	4.4
583.9	22.5°	301.9	195.4	119.9	84.4	59.9	40.0	26.6	11.1	0.0	0.0
888.1	25°	417.4	226.5	119.9	79.9	53.3	28.9	8.9	0.0	0.0	0.0
1261.1	27.5°	555.0	268.6	119.9	68.8	42.2	15.5	0.0	0.0	0.0	0.0
1718.4	30°	694.9	315.3	119.9	59.9	33.3	2.2	0.0	0.0	0.0	0.0
2115.8	32.5°	828.1	355.2	122.1	51.1	22.2	0.0	0.0	0.0	0.0	0.0
2666.4	35°	963.6	361.9	119.9	44.4	13.3	0.0	0.0	0.0	0.0	0.0
3341.4	37.5°	1136.7	348.6	113.2	40.0	6.7	0.0	0.0	0.0	0.0	0.0
4395.9	40°	1398.7	355.2	106.6	37.7	2.2	0.0	0.0	0.0	0.0	0.0
6276.4	42.5°	1882.7	384.1	97.7	37.7	0.0	0.0	0.0	0.0	0.0	0.0
9997.4	45°	3254.8	515.1	88.8	40.0	0.0	0.0	0.0	0.0	0.0	0.0
15008.4	47.5°	5383.9	925.8	86.6	40.0	0.0	0.0	0.0	0.0	0.0	0.0
18078.9	50°	6871.4	1165.6	91.0	42.2	0.0	0.0	0.0	0.0	0.0	0.0
18463.0	52.5°	6860.3	1298.8	95.5	44.4	8.9	0.0	0.0	0.0	0.0	0.0
17017.6	55°	6098.8	1323.2	102.1	48.8	28.9	0.0	0.0	0.0	0.0	0.0
14624.3	57.5°	5097.5	1207.8	117.7	59.9	53.3	0.0	0.0	0.0	0.0	0.0
14249.1	58°	4919.9	1154.5	122.1	62.2	57.7	0.0	0.0	0.0	0.0	0.0
12359.7	60°	4031.8	941.4	155.4	77.7	77.7	0.0	0.0	0.0	0.0	0.0
10132.9	62.5°	2784.1	821.5	177.6	99.9	79.9	0.0	0.0	0.0	0.0	0.0
7470.9	65°	1969.3	741.5	193.2	106.6	64.4	0.0	0.0	0.0	0.0	0.0
5308.4	67.5°	1472.0	683.8	213.1	108.8	33.3	0.0	0.0	0.0	0.0	0.0
3330.3	70°	1127.8	641.6	262.0	115.4	8.9	0.0	0.0	0.0	0.0	0.0
1984.8	72.5°	919.2	592.8	317.5	119.9	0.0	0.0	0.0	0.0	0.0	0.0
1190.0	75°	761.5	535.1	306.4	131.0	0.0	0.0	0.0	0.0	0.0	0.0
635.0	77.5°	506.2	415.2	279.7	131.0	0.0	0.0	0.0	0.0	0.0	0.0
226.5	80°	177.6	164.3	217.6	115.4	0.0	0.0	0.0	0.0	0.0	0.0
46.6	82.5°	26.6	22.2	31.1	40.0	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	0.0
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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
128.8	0°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
91.0	2.5°	91.0	91.0	88.8	91.0	91.0	95.5	106.6	122.1	139.9	146.5
77.7	5°	75.5	73.3	71.0	71.0	71.0	77.7	86.6	104.3	124.3	133.2
64.4	7.5°	62.2	59.9	57.7	55.5	55.5	59.9	71.0	91.0	111.0	119.9
53.3	10°	51.1	46.6	44.4	42.2	42.2	46.6	57.7	77.7	99.9	108.8
44.4	12.5°	42.2	35.5	31.1	28.9	26.6	33.3	44.4	62.2	86.6	97.7
33.3	15°	28.9	22.2	15.5	13.3	11.1	17.8	28.9	48.8	73.3	86.6
17.8	17.5°	15.5	6.7	2.2	0.0	0.0	4.4	13.3	35.5	59.9	71.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	44.4	55.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	26.6	37.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	20.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
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	6.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	17.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
128.8	0°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
153.2	2.5°	157.6	155.4	151.0	146.5	146.5	146.5	153.2	159.9	166.5	166.5
137.7	5°	146.5	146.5	144.3	139.9	139.9	142.1	151.0	162.1	171.0	173.2
126.5	7.5°	135.4	139.9	135.4	133.2	135.4	137.7	146.5	159.9	173.2	177.6
117.7	10°	128.8	131.0	131.0	128.8	128.8	133.2	142.1	159.9	177.6	184.3
106.6	12.5°	119.9	124.3	122.1	122.1	122.1	126.5	137.7	157.6	182.1	190.9
95.5	15°	111.0	117.7	117.7	115.4	115.4	117.7	133.2	155.4	188.7	204.3
82.1	17.5°	102.1	108.8	111.0	106.6	106.6	111.0	126.5	155.4	193.2	219.8
66.6	20°	84.4	95.5	102.1	95.5	95.5	99.9	115.4	146.5	195.4	235.3
48.8	22.5°	66.6	77.7	86.6	84.4	84.4	86.6	106.6	139.9	197.6	262.0
28.9	25°	48.8	59.9	66.6	71.0	71.0	77.7	97.7	135.4	206.5	317.5
13.3	27.5°	28.9	42.2	51.1	55.5	57.7	66.6	91.0	131.0	222.0	397.4
0.0	30°	13.3	24.4	35.5	44.4	44.4	59.9	84.4	126.5	242.0	512.9
0.0	32.5°	0.0	11.1	17.8	31.1	33.3	48.8	77.7	122.1	270.9	623.9
0.0	35°	0.0	0.0	8.9	24.4	24.4	40.0	71.0	117.7	315.3	708.2
0.0	37.5°	0.0	0.0	0.0	17.8	20.0	35.5	68.8	115.4	324.1	714.9
0.0	40°	0.0	0.0	0.0	13.3	15.5	33.3	68.8	117.7	293.1	699.4
0.0	42.5°	0.0	0.0	0.0	8.9	11.1	33.3	68.8	122.1	264.2	717.1
0.0	45°	0.0	0.0	0.0	6.7	8.9	35.5	66.6	119.9	248.7	810.4
0.0	47.5°	0.0	0.0	0.0	8.9	13.3	35.5	64.4	117.7	250.9	1119.0
0.0	50°	0.0	0.0	0.0	11.1	15.5	35.5	66.6	113.2	275.3	1720.6
0.0	52.5°	0.0	0.0	0.0	8.9	13.3	40.0	73.3	111.0	299.7	2237.9
0.0	55°	0.0	0.0	0.0	2.2	6.7	51.1	79.9	111.0	337.5	2366.7
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	57.7	91.0	117.7	399.6	2315.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	57.7	93.2	117.7	404.1	2271.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	57.7	102.1	131.0	435.2	2022.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	48.8	122.1	164.3	452.9	1589.6
0.0	65°	0.0	0.0	0.0	0.0	0.0	40.0	144.3	179.8	466.2	1265.5
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	37.7	148.8	182.1	472.9	1008.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	40.0	146.5	195.4	495.1	819.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	44.4	133.2	215.4	495.1	726.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	46.6	124.3	242.0	450.7	628.3
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	44.4	122.1	282.0	401.9	517.3
0.0	80°	4.4	6.7	6.7	4.4	4.4	37.7	119.9	286.4	341.9	355.2
2.2	82.5°	13.3	17.8	15.5	11.1	11.1	33.3	106.6	239.8	177.6	153.2
13.3	85°	24.4	28.9	28.9	24.4	24.4	31.1	66.6	86.6	59.9	48.8
24.4	87.5°	33.3	37.7	37.7	33.3	33.3	31.1	28.9	26.6	24.4	24.4
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: SP1-2407-184-4

Test Date: 10/10/2024

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

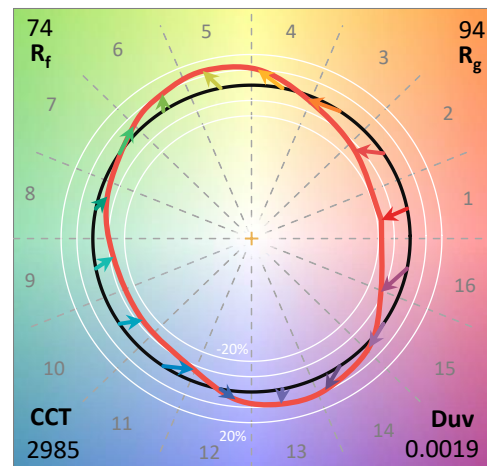
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

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

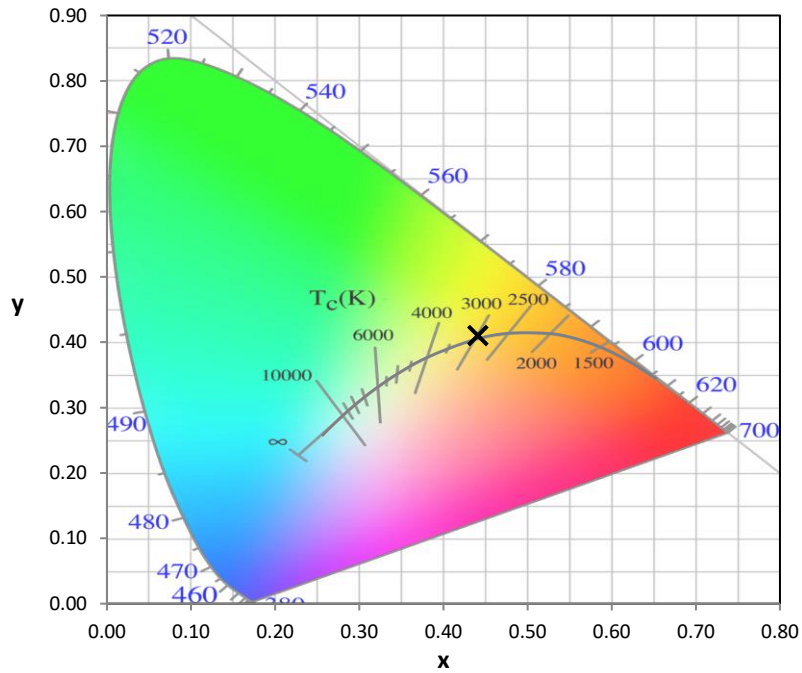
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

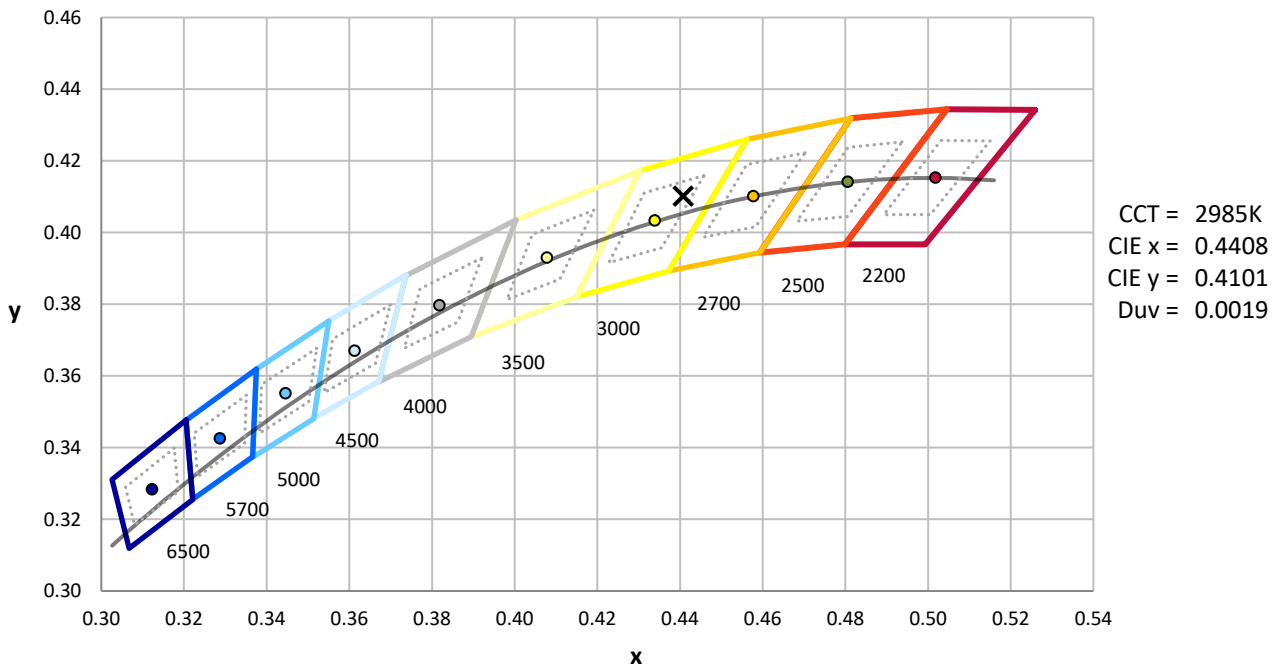
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram

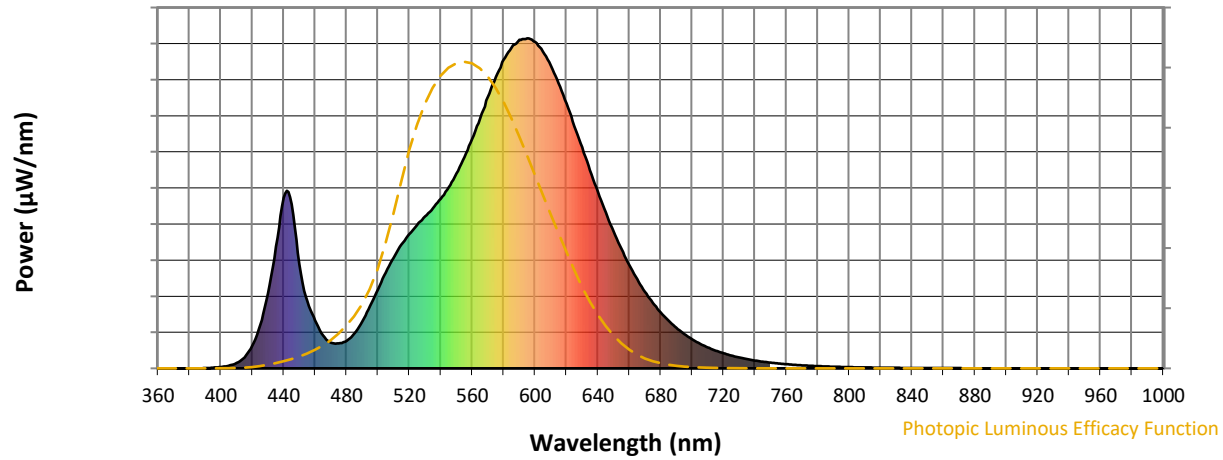


CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

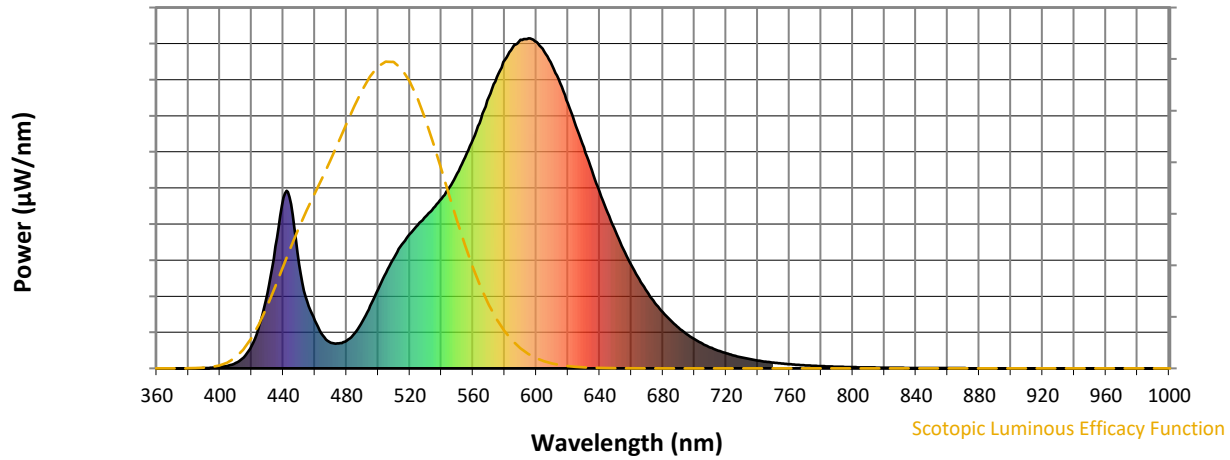
REPORT NUMBER: SP1-2407-184-4

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



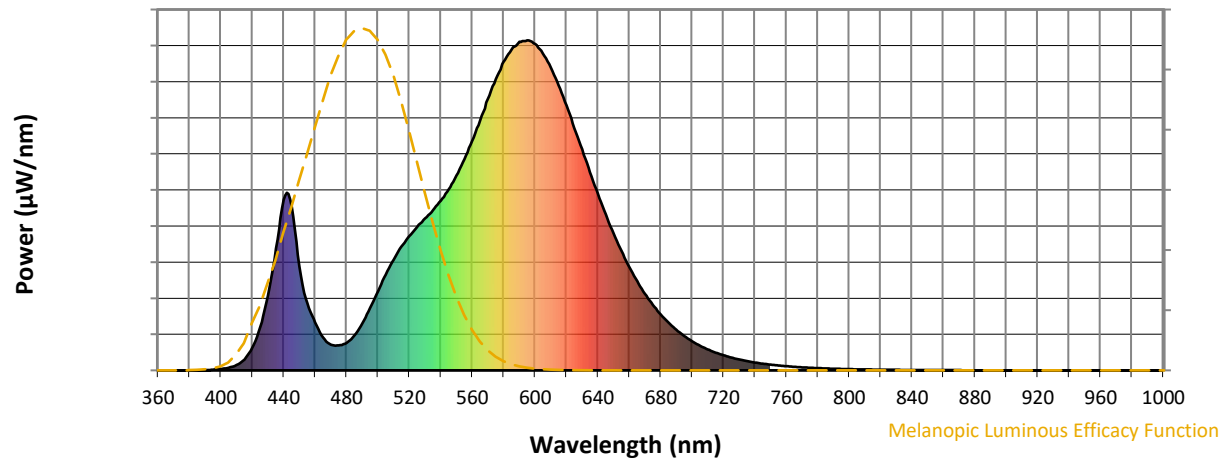
Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power 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

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

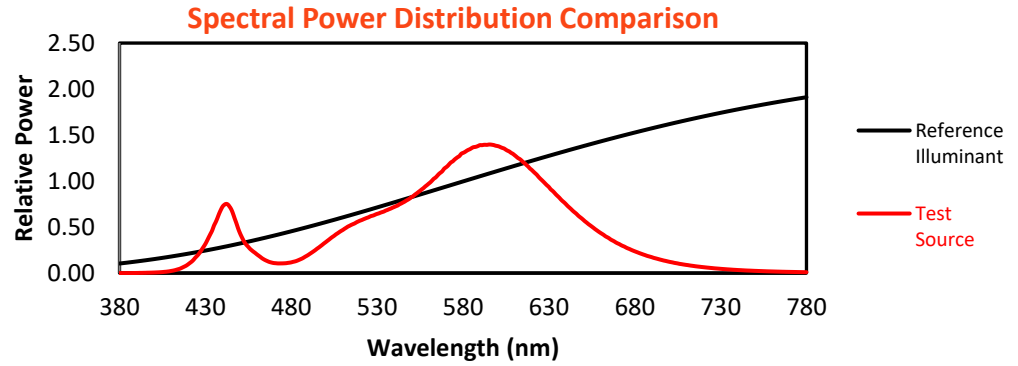
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	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			

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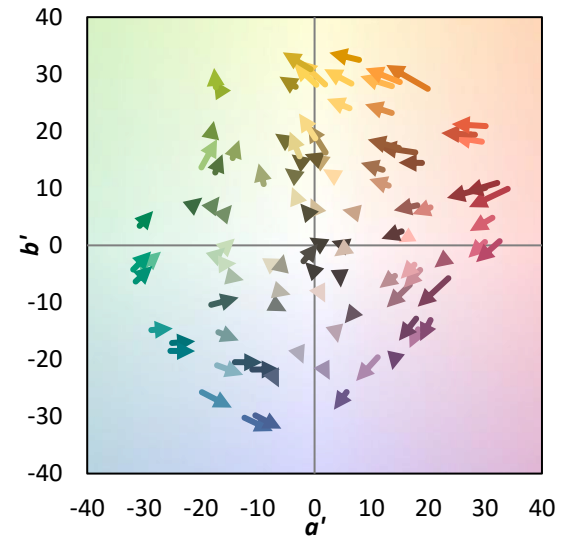
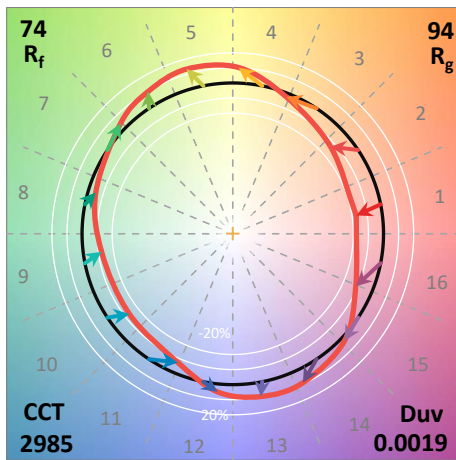
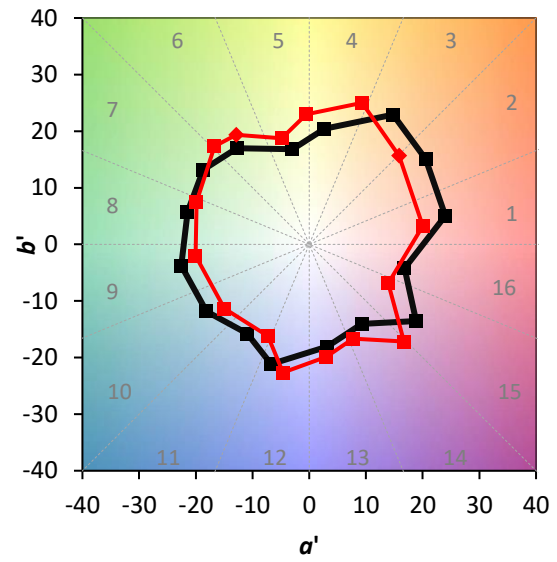
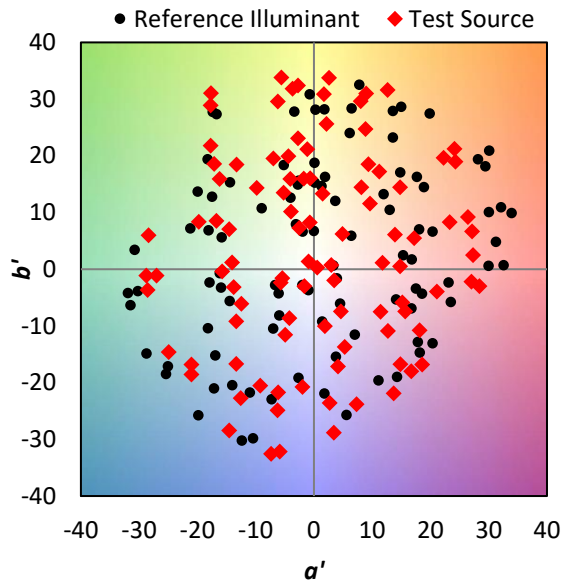
TM-30-18

Summary

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

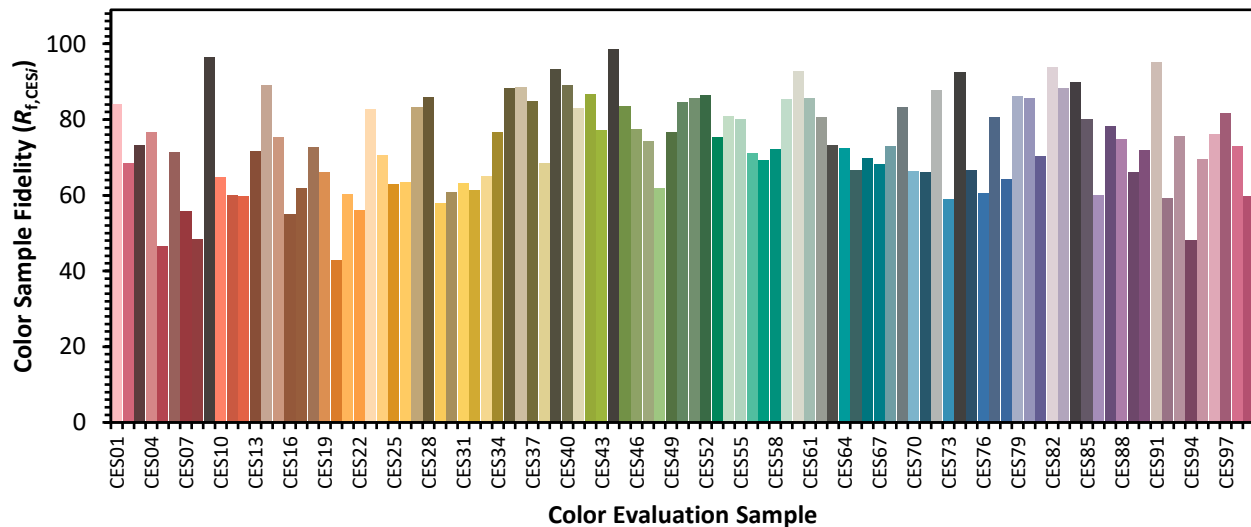


Color Vector Graphics

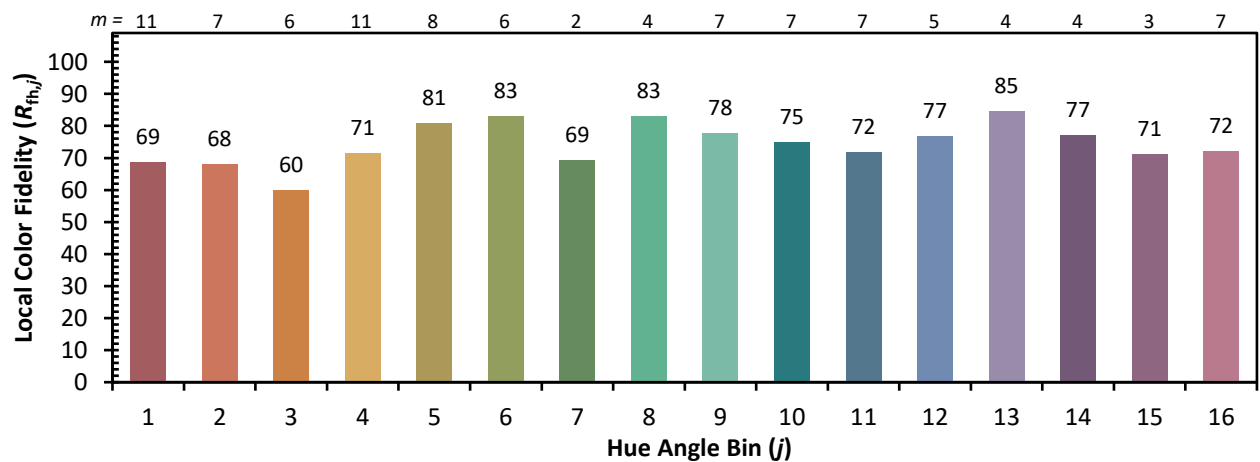
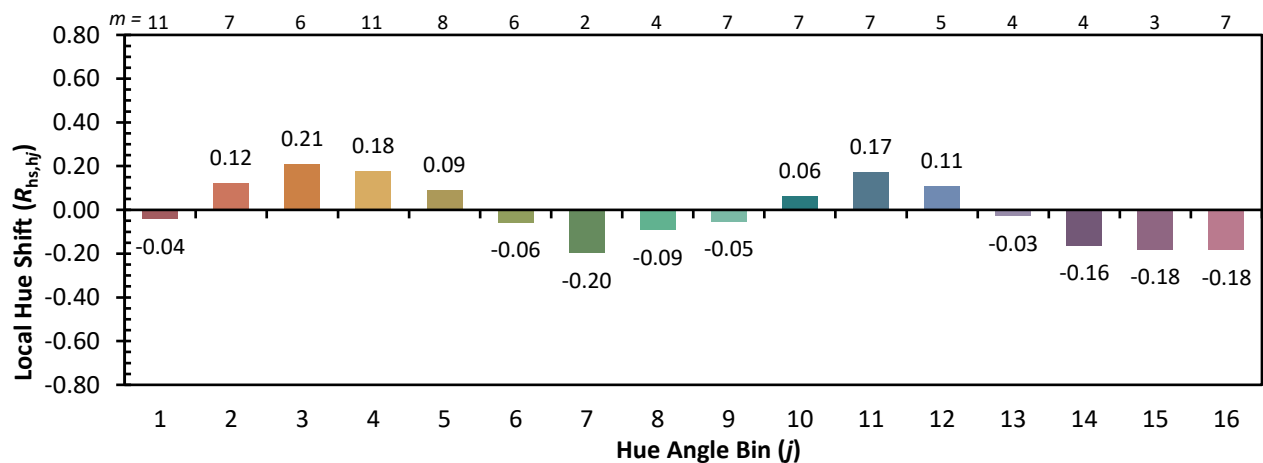
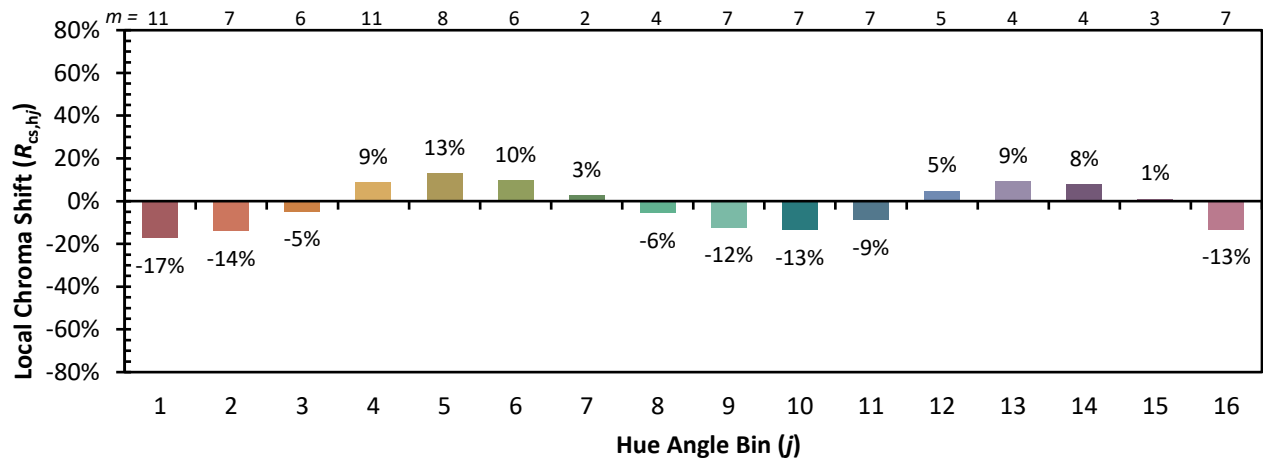


Individual Sample Fidelity Index ($R_{f,i}$)

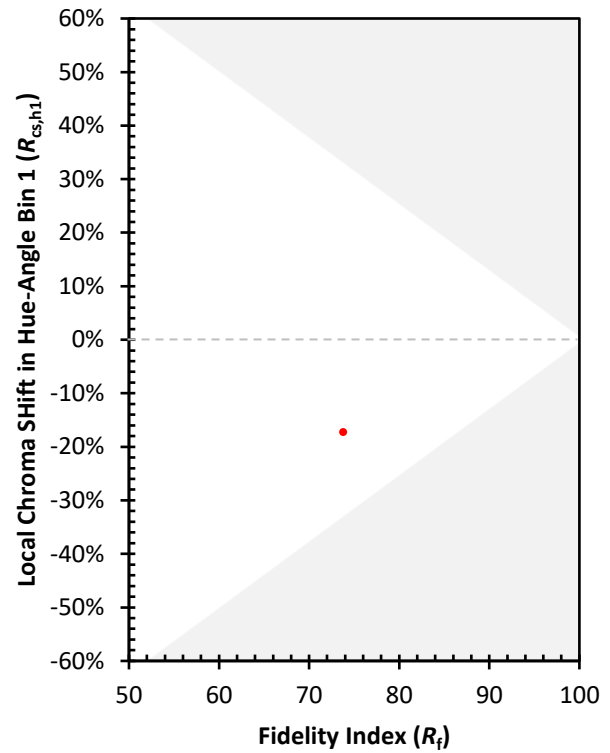
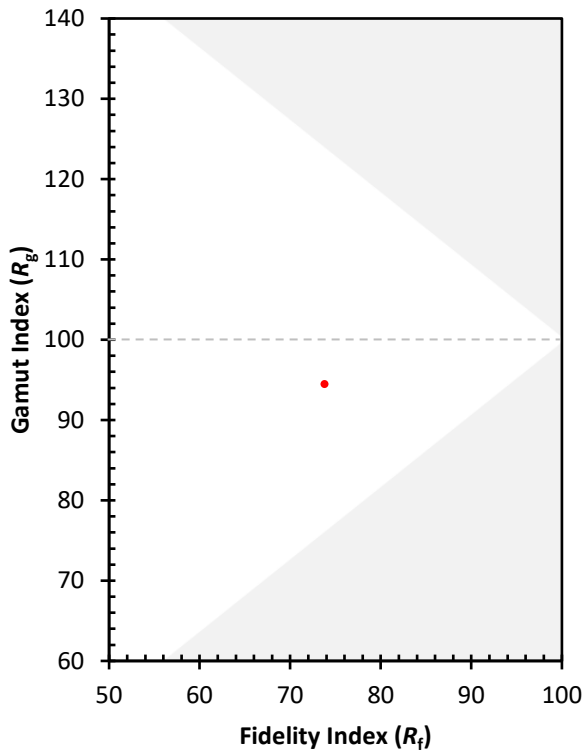
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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