

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: P1065226

Luminaire Tested: **GLAN-SA6B-730-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065226
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-730-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 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: 23641.7 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

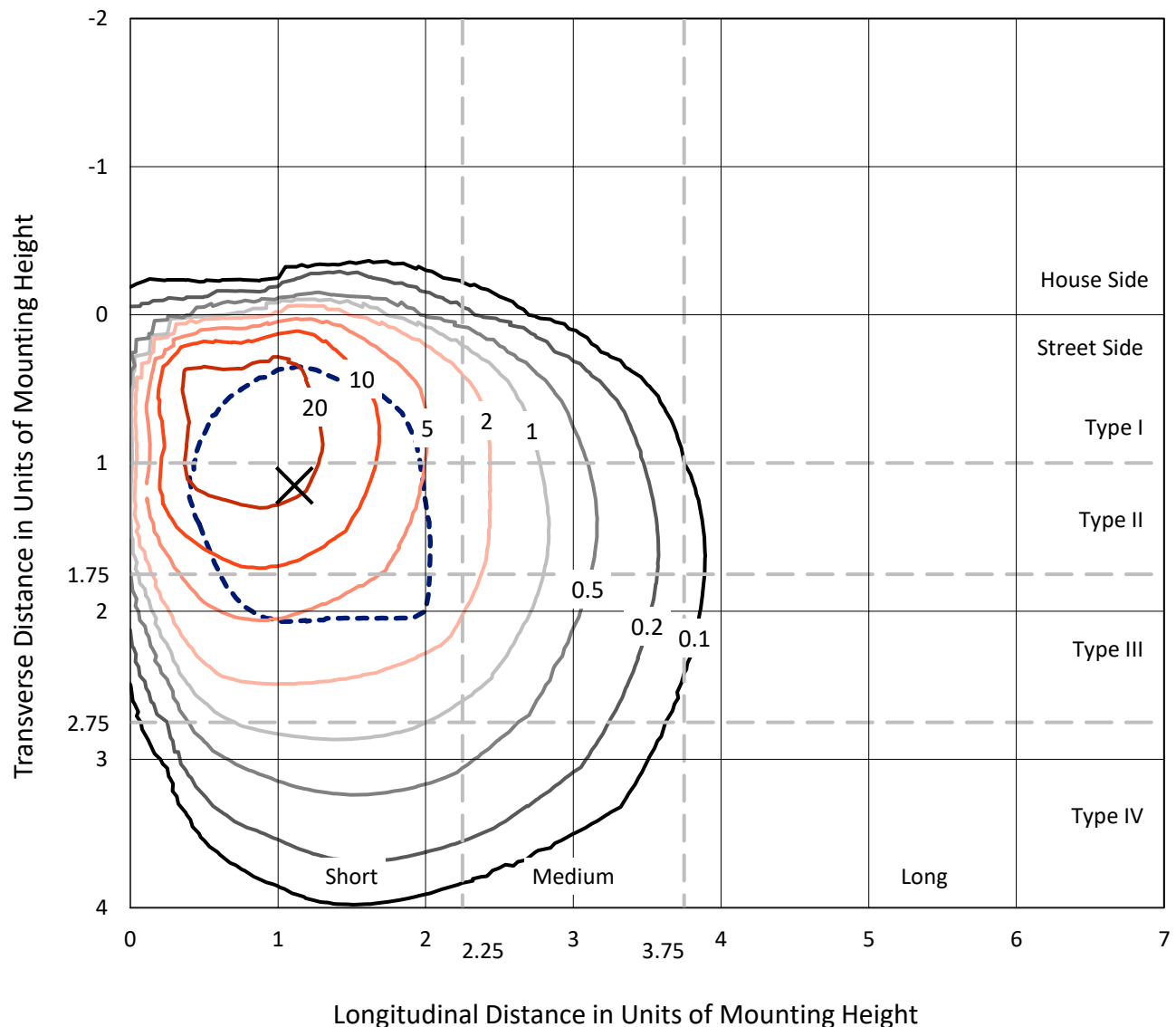
Input Watts (W): 213.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

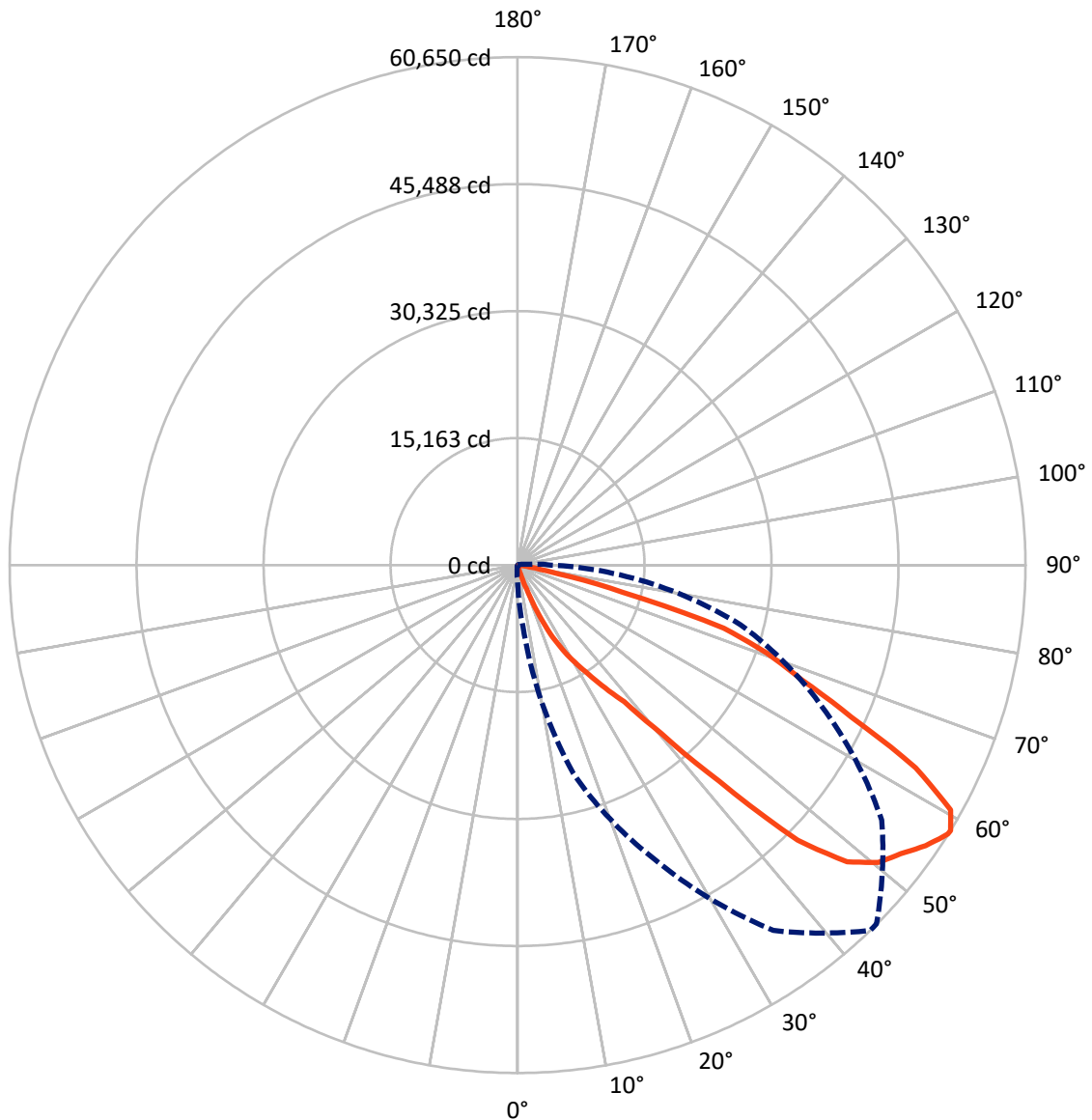
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 41.2 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	161.4	0.0	161.4
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	23480.3	0.0	23480.3
	% Fixture	99.3	0.0	99.3
Total	Lumens	23641.7	0.0	23641.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	0.0
10°-20°	51.8	0.2
20°-30°	560.1	2.4
30°-40°	1656.3	7.0
40°-50°	4936.8	20.9
50°-60°	7833.5	33.1
60°-70°	6534.0	27.6
70°-80°	2015.2	8.5
80°-90°	44.8	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°	23641.7	100.0
0°-180°	23641.7	100.0



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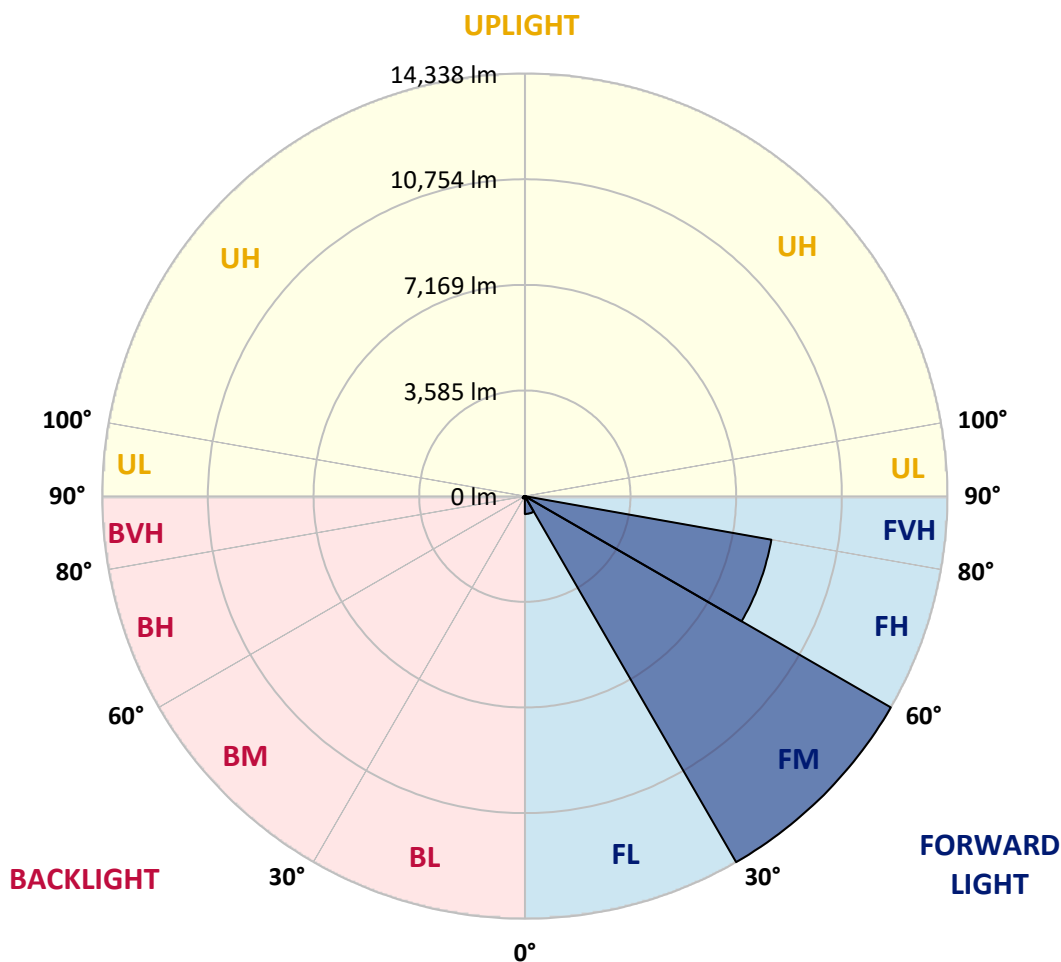
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	605.4	2.6			
FM	(30°-60°)	14338.2	60.6			
FH	(60°-80°)	8494.1	35.9			G4/12000
FVH	(80°-90°)	42.6	0.2			G1/100
BL	(0°-30°)	15.8	0.1	B0/110		
BM	(30°-60°)	88.4	0.4	B0/220		
BH	(60°-80°)	55.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
2.5°	133.9	133.9	128.6	121.4	114.3	107.2	105.4	101.8	100.0	98.2
5°	139.3	139.3	137.5	132.2	125.0	119.7	119.7	114.3	110.7	107.2
7.5°	142.9	144.7	148.2	146.4	142.9	137.5	137.5	133.9	128.6	119.7
10°	148.2	153.6	160.7	164.3	166.1	166.1	164.3	162.5	153.6	141.1
12.5°	153.6	164.3	182.2	200.0	210.7	225.0	223.2	219.7	196.5	169.7
15°	164.3	180.4	217.9	269.7	350.0	400.0	419.7	401.8	325.0	228.6
17.5°	176.8	203.6	316.1	564.4	925.1	1096.6	1200.1	1116.2	739.4	434.0
20°	189.3	248.2	587.6	1462.7	2400.3	2961.1	3116.5	2873.6	1844.9	826.9
22.5°	210.7	348.3	1191.2	3023.6	5172.1	6013.2	6172.2	5395.3	3484.4	1632.3
25°	255.4	505.4	2053.8	4927.4	7718.8	9138.6	9072.5	8054.6	5652.5	2607.5
27.5°	319.7	735.8	3105.7	7000.9	10158.4	11410.3	11560.3	10301.3	7534.8	3834.4
30°	412.6	1019.8	4234.4	8661.8	12114.0	13467.7	13492.7	12190.8	9219.0	4911.3
32.5°	501.8	1287.7	5222.1	10267.3	14041.0	15525.1	15635.8	14033.9	10476.3	6032.9
35°	569.7	1462.7	6222.2	11678.2	15984.1	18029.0	18021.8	16119.8	11965.7	7034.8
37.5°	575.1	1637.7	7127.7	13121.2	18445.1	20734.7	20961.5	18864.8	13766.0	8274.2
40°	562.6	1834.2	8274.2	15371.5	22879.6	26392.5	26592.5	23949.4	17377.1	10395.9
42.5°	576.9	2175.3	10135.2	19527.4	30243.0	35288.2	35674.0	32895.1	24015.4	14725.0
45°	651.9	2816.4	14033.9	26480.0	40738.9	46889.7	46761.1	42758.8	31739.6	21315.1
47.5°	900.1	4386.3	19813.1	33246.9	47446.9	52924.3	53035.1	48143.4	36247.3	26381.8
50°	1384.1	6711.5	24669.1	36824.1	50331.2	55826.5	55722.9	50070.4	37960.0	28876.7
52.5°	1800.2	8393.9	27105.1	38079.7	50700.8	57260.6	57253.4	50577.6	38226.1	29091.1
55°	1903.8	8520.7	27124.7	38147.5	51529.5	59137.6	59373.3	51826.0	38570.8	28155.2
57.5°	1862.7	7543.8	25992.5	38540.4	53004.7	60589.6	60602.1	53035.1	39445.9	27581.9
58°	1827.0	7390.2	25763.9	38763.7	53258.3	60650.3	60619.9	53090.4	40158.5	27560.5
60°	1627.0	6416.9	24872.7	39333.4	52881.5	59403.7	59119.7	51881.3	40053.1	27340.8
62.5°	1278.7	5006.0	23995.8	38674.4	48841.7	53369.0	53486.9	45932.4	36513.4	26060.3
65°	1018.0	3730.8	22167.0	33923.8	40219.2	43826.8	44266.1	37351.0	30476.9	22067.0
67.5°	810.8	2696.8	18595.1	27008.7	31825.3	36577.7	36897.4	31359.2	23611.8	16907.4
70°	659.0	1823.4	12835.5	19752.4	26249.6	31593.1	31612.8	26051.4	17623.6	11078.1
72.5°	584.0	1262.7	7450.9	14405.3	21284.7	25744.2	25224.5	21140.1	13544.5	6561.5
75°	505.4	837.6	3654.0	8806.4	12905.1	12992.7	13190.9	9806.6	6770.5	3120.0
77.5°	416.1	594.7	1439.5	2405.7	3870.1	4954.2	5138.1	3893.3	2252.1	768.0
80°	285.7	282.2	387.5	737.6	1107.3	1387.7	1294.8	1001.9	589.4	294.7
82.5°	123.2	133.9	175.0	210.7	171.4	166.1	158.9	101.8	78.6	60.7
85°	39.3	35.7	37.5	37.5	30.4	23.2	23.2	10.7	0.0	0.0
87.5°	19.6	16.1	16.1	14.3	8.9	3.6	1.8	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°
103.6	0°	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
96.4	2.5°	94.7	94.7	91.1	87.5	85.7	82.2	80.4	78.6	76.8	75.0
103.6	5°	100.0	98.2	92.9	87.5	82.2	76.8	73.2	69.7	66.1	64.3
114.3	7.5°	108.9	105.4	94.7	85.7	78.6	71.4	67.9	62.5	58.9	53.6
126.8	10°	119.7	112.5	98.2	87.5	76.8	67.9	62.5	57.1	51.8	44.6
144.7	12.5°	133.9	121.4	103.6	85.7	73.2	62.5	57.1	50.0	44.6	39.3
167.9	15°	146.4	130.4	105.4	85.7	69.7	57.1	50.0	42.9	37.5	30.4
210.7	17.5°	164.3	137.5	103.6	80.4	64.3	50.0	42.9	37.5	28.6	17.9
312.5	20°	194.7	142.9	100.0	75.0	55.4	41.1	32.1	25.0	12.5	3.6
469.7	22.5°	242.9	157.2	96.4	67.9	48.2	32.1	21.4	8.9	0.0	0.0
714.4	25°	335.8	182.2	96.4	64.3	42.9	23.2	7.1	0.0	0.0	0.0
1014.4	27.5°	446.5	216.1	96.4	55.4	33.9	12.5	0.0	0.0	0.0	0.0
1382.3	30°	559.0	253.6	96.4	48.2	26.8	1.8	0.0	0.0	0.0	0.0
1702.0	32.5°	666.2	285.7	98.2	41.1	17.9	0.0	0.0	0.0	0.0	0.0
2144.9	35°	775.1	291.1	96.4	35.7	10.7	0.0	0.0	0.0	0.0	0.0
2687.8	37.5°	914.4	280.4	91.1	32.1	5.4	0.0	0.0	0.0	0.0	0.0
3536.1	40°	1125.1	285.7	85.7	30.4	1.8	0.0	0.0	0.0	0.0	0.0
5048.8	42.5°	1514.5	309.0	78.6	30.4	0.0	0.0	0.0	0.0	0.0	0.0
8042.1	45°	2618.2	414.3	71.4	32.1	0.0	0.0	0.0	0.0	0.0	0.0
12072.9	47.5°	4330.9	744.7	69.7	32.1	0.0	0.0	0.0	0.0	0.0	0.0
14542.8	50°	5527.5	937.6	73.2	33.9	0.0	0.0	0.0	0.0	0.0	0.0
14851.8	52.5°	5518.5	1044.8	76.8	35.7	7.1	0.0	0.0	0.0	0.0	0.0
13689.2	55°	4906.0	1064.4	82.2	39.3	23.2	0.0	0.0	0.0	0.0	0.0
11763.9	57.5°	4100.5	971.5	94.7	48.2	42.9	0.0	0.0	0.0	0.0	0.0
11462.1	58°	3957.6	928.7	98.2	50.0	46.4	0.0	0.0	0.0	0.0	0.0
9942.3	60°	3243.3	757.2	125.0	62.5	62.5	0.0	0.0	0.0	0.0	0.0
8151.0	62.5°	2239.6	660.8	142.9	80.4	64.3	0.0	0.0	0.0	0.0	0.0
6009.7	65°	1584.1	596.5	155.4	85.7	51.8	0.0	0.0	0.0	0.0	0.0
4270.2	67.5°	1184.1	550.1	171.4	87.5	26.8	0.0	0.0	0.0	0.0	0.0
2678.9	70°	907.3	516.1	210.7	92.9	7.1	0.0	0.0	0.0	0.0	0.0
1596.6	72.5°	739.4	476.8	255.4	96.4	0.0	0.0	0.0	0.0	0.0	0.0
957.3	75°	612.6	430.4	246.5	105.4	0.0	0.0	0.0	0.0	0.0	0.0
510.8	77.5°	407.2	334.0	225.0	105.4	0.0	0.0	0.0	0.0	0.0	0.0
182.2	80°	142.9	132.2	175.0	92.9	0.0	0.0	0.0	0.0	0.0	0.0
37.5	82.5°	21.4	17.9	25.0	32.1	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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
103.6	0°	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
73.2	2.5°	73.2	73.2	71.4	73.2	73.2	76.8	85.7	98.2	112.5	117.9
62.5	5°	60.7	58.9	57.1	57.1	57.1	62.5	69.7	83.9	100.0	107.2
51.8	7.5°	50.0	48.2	46.4	44.6	44.6	48.2	57.1	73.2	89.3	96.4
42.9	10°	41.1	37.5	35.7	33.9	33.9	37.5	46.4	62.5	80.4	87.5
35.7	12.5°	33.9	28.6	25.0	23.2	21.4	26.8	35.7	50.0	69.7	78.6
26.8	15°	23.2	17.9	12.5	10.7	8.9	14.3	23.2	39.3	58.9	69.7
14.3	17.5°	12.5	5.4	1.8	0.0	0.0	3.6	10.7	28.6	48.2	57.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	35.7	44.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	21.4	30.4
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	16.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
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	5.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	14.3
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°
103.6	0°	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6	103.6
123.2	2.5°	126.8	125.0	121.4	117.9	117.9	117.9	123.2	128.6	133.9	133.9
110.7	5°	117.9	117.9	116.1	112.5	112.5	114.3	121.4	130.4	137.5	139.3
101.8	7.5°	108.9	112.5	108.9	107.2	108.9	110.7	117.9	128.6	139.3	142.9
94.7	10°	103.6	105.4	105.4	103.6	103.6	107.2	114.3	128.6	142.9	148.2
85.7	12.5°	96.4	100.0	98.2	98.2	98.2	101.8	110.7	126.8	146.4	153.6
76.8	15°	89.3	94.7	94.7	92.9	92.9	94.7	107.2	125.0	151.8	164.3
66.1	17.5°	82.2	87.5	89.3	85.7	85.7	89.3	101.8	125.0	155.4	176.8
53.6	20°	67.9	76.8	82.2	76.8	76.8	80.4	92.9	117.9	157.2	189.3
39.3	22.5°	53.6	62.5	69.7	67.9	67.9	69.7	85.7	112.5	158.9	210.7
23.2	25°	39.3	48.2	53.6	57.1	57.1	62.5	78.6	108.9	166.1	255.4
10.7	27.5°	23.2	33.9	41.1	44.6	46.4	53.6	73.2	105.4	178.6	319.7
0.0	30°	10.7	19.6	28.6	35.7	35.7	48.2	67.9	101.8	194.7	412.6
0.0	32.5°	0.0	8.9	14.3	25.0	26.8	39.3	62.5	98.2	217.9	501.8
0.0	35°	0.0	0.0	7.1	19.6	19.6	32.1	57.1	94.7	253.6	569.7
0.0	37.5°	0.0	0.0	0.0	14.3	16.1	28.6	55.4	92.9	260.7	575.1
0.0	40°	0.0	0.0	0.0	10.7	12.5	26.8	55.4	94.7	235.7	562.6
0.0	42.5°	0.0	0.0	0.0	7.1	8.9	26.8	55.4	98.2	212.5	576.9
0.0	45°	0.0	0.0	0.0	5.4	7.1	28.6	53.6	96.4	200.0	651.9
0.0	47.5°	0.0	0.0	0.0	7.1	10.7	28.6	51.8	94.7	201.8	900.1
0.0	50°	0.0	0.0	0.0	8.9	12.5	28.6	53.6	91.1	221.5	1384.1
0.0	52.5°	0.0	0.0	0.0	7.1	10.7	32.1	58.9	89.3	241.1	1800.2
0.0	55°	0.0	0.0	0.0	1.8	5.4	41.1	64.3	89.3	271.5	1903.8
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	46.4	73.2	94.7	321.5	1862.7
0.0	58°	0.0	0.0	0.0	0.0	0.0	46.4	75.0	94.7	325.0	1827.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	46.4	82.2	105.4	350.0	1627.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	39.3	98.2	132.2	364.3	1278.7
0.0	65°	0.0	0.0	0.0	0.0	0.0	32.1	116.1	144.7	375.0	1018.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	30.4	119.7	146.4	380.4	810.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	32.1	117.9	157.2	398.3	659.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	35.7	107.2	173.2	398.3	584.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	37.5	100.0	194.7	362.5	505.4
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	35.7	98.2	226.8	323.3	416.1
0.0	80°	3.6	5.4	5.4	3.6	3.6	30.4	96.4	230.4	275.0	285.7
1.8	82.5°	10.7	14.3	12.5	8.9	8.9	26.8	85.7	192.9	142.9	123.2
10.7	85°	19.6	23.2	23.2	19.6	19.6	25.0	53.6	69.7	48.2	39.3
19.6	87.5°	26.8	30.4	30.4	26.8	26.8	25.0	23.2	21.4	19.6	19.6
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



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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

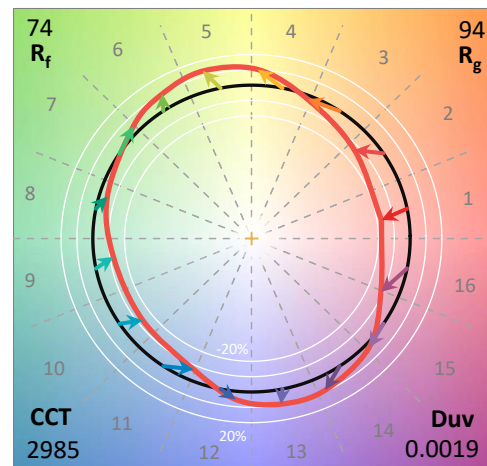
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

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

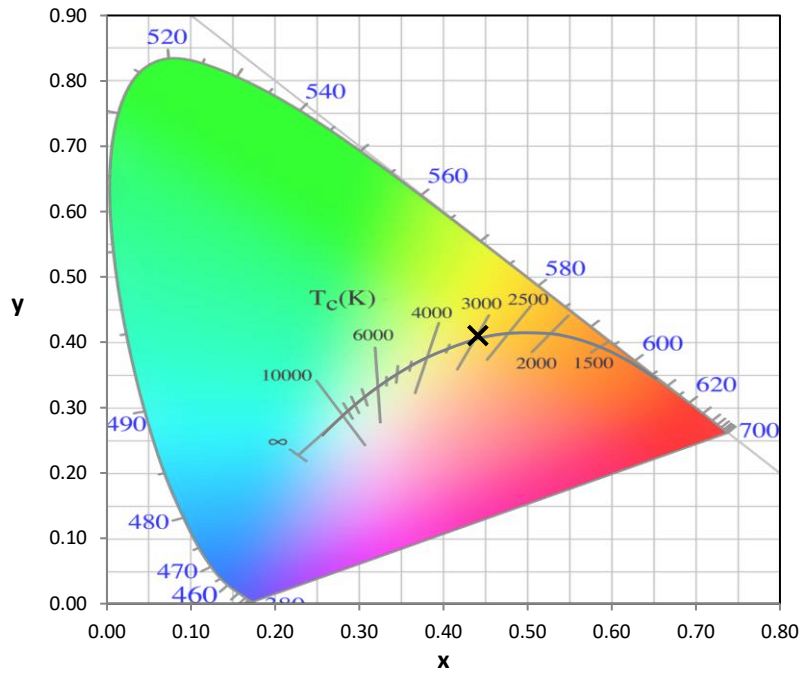
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

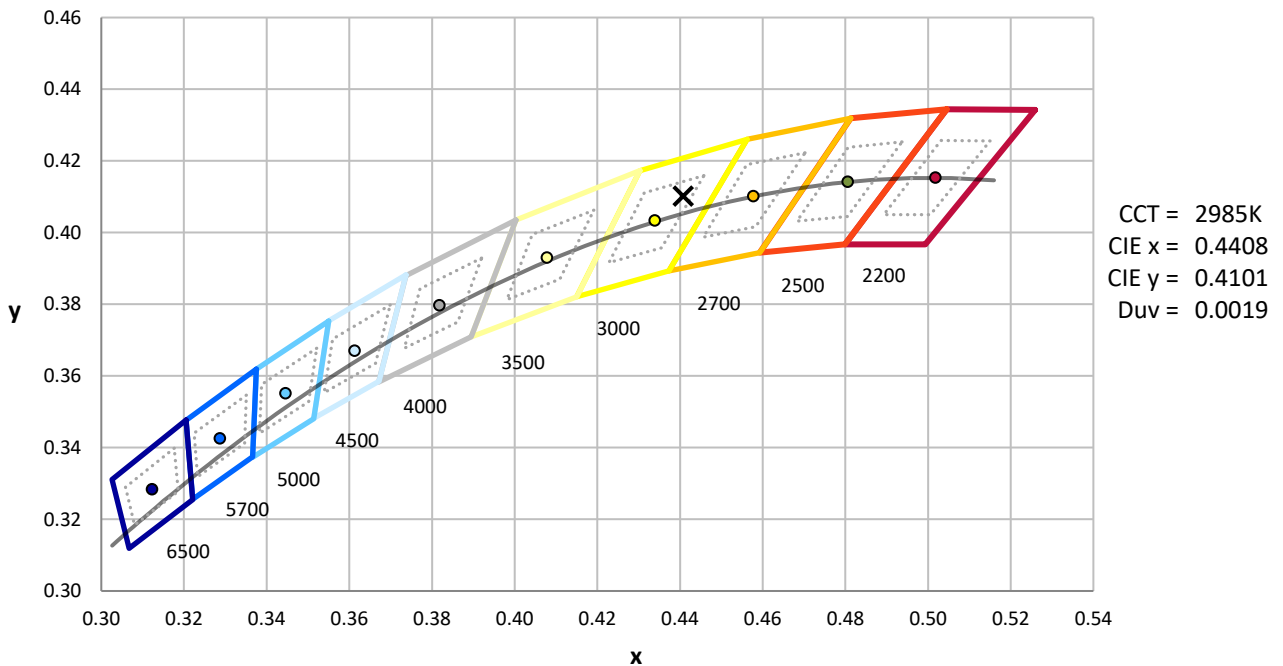
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



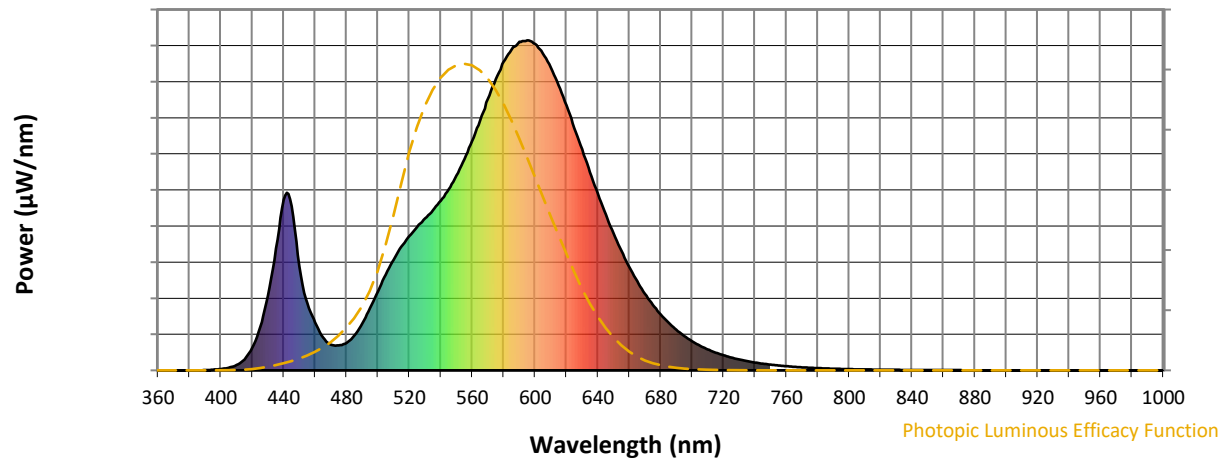
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

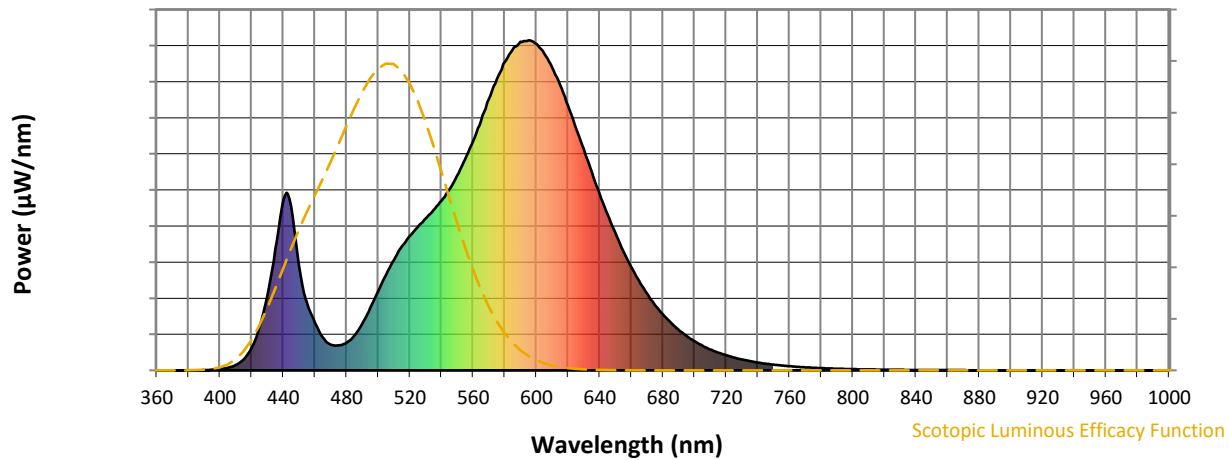


Photopic Lumens: NR

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



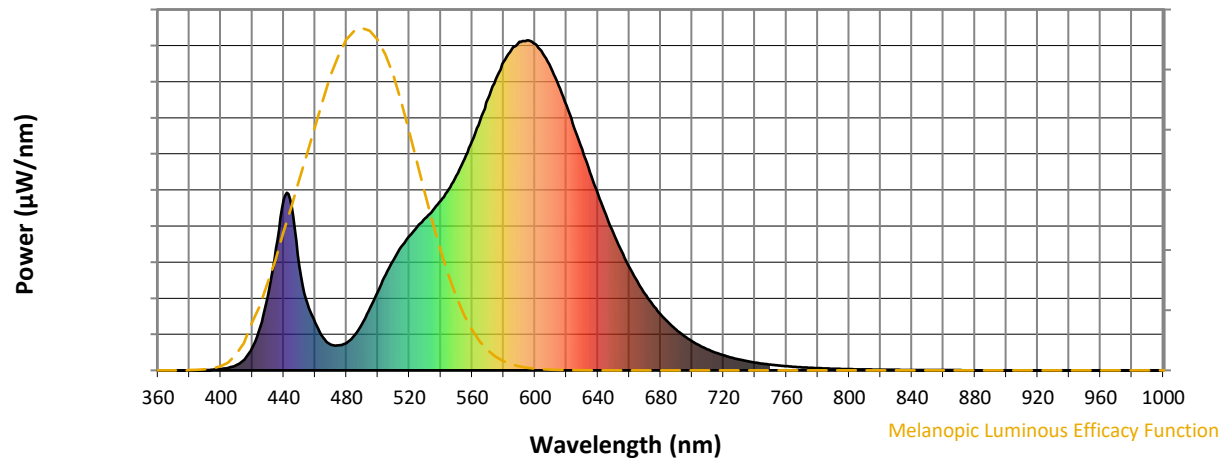
Scotopic Lumens: NR

S/P: 1.19

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.13

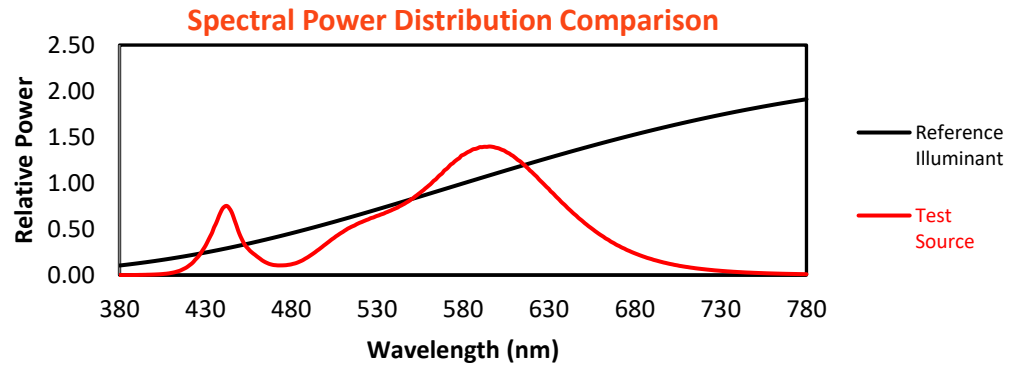
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803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

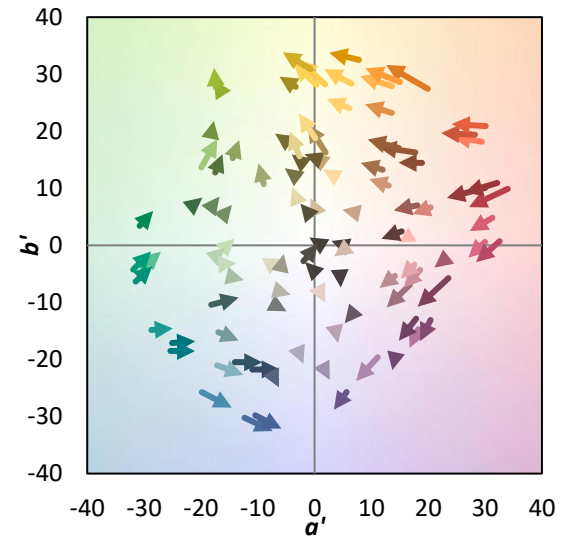
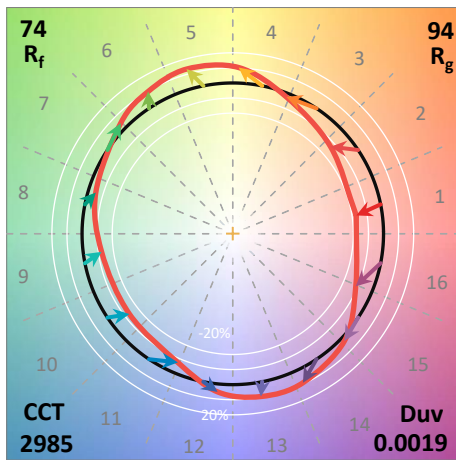
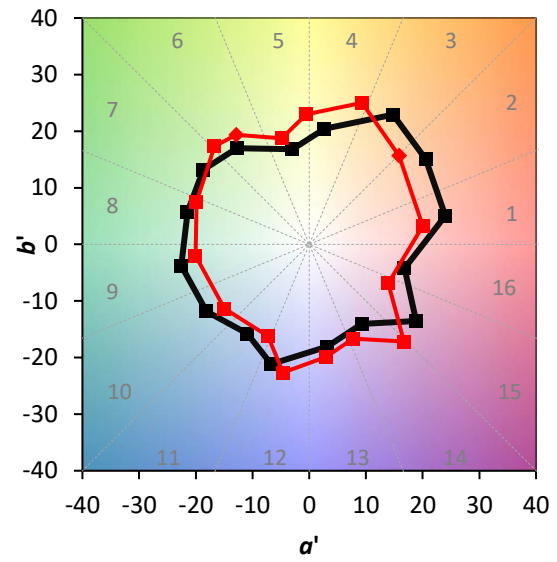
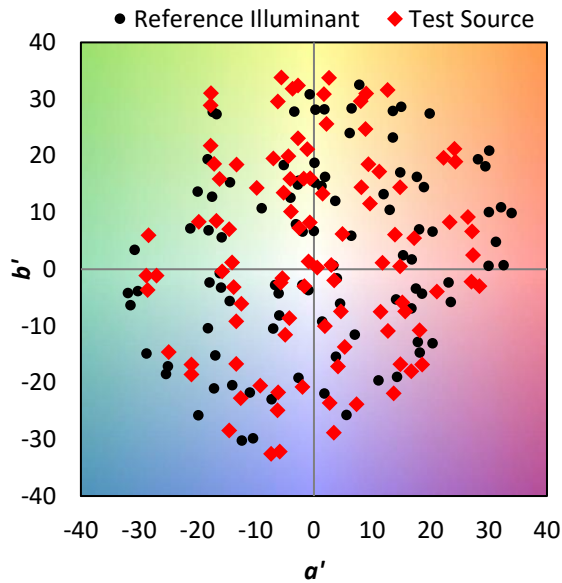
TM-30-18

Summary

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

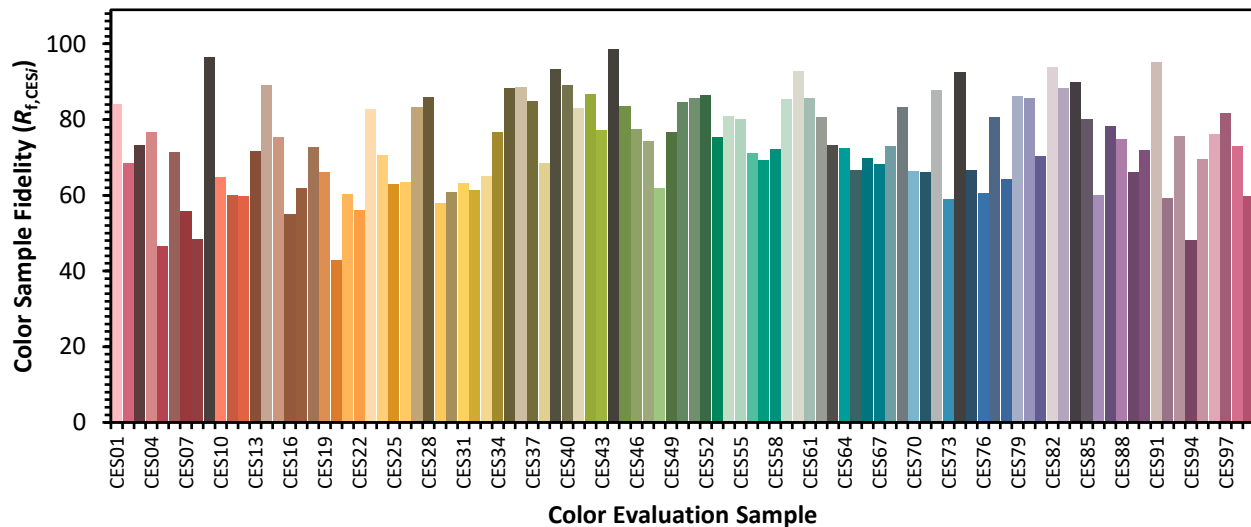


Color Vector Graphics

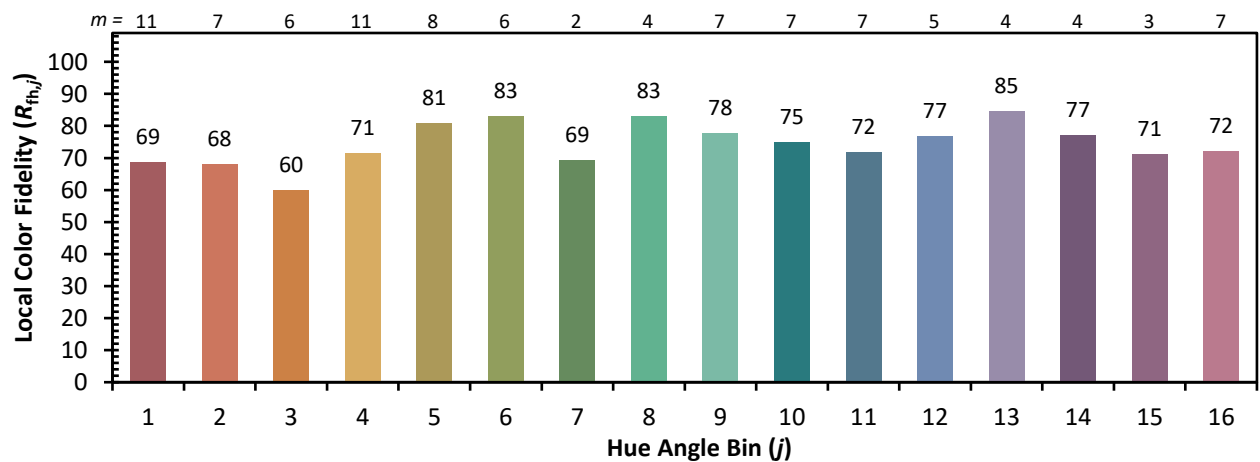
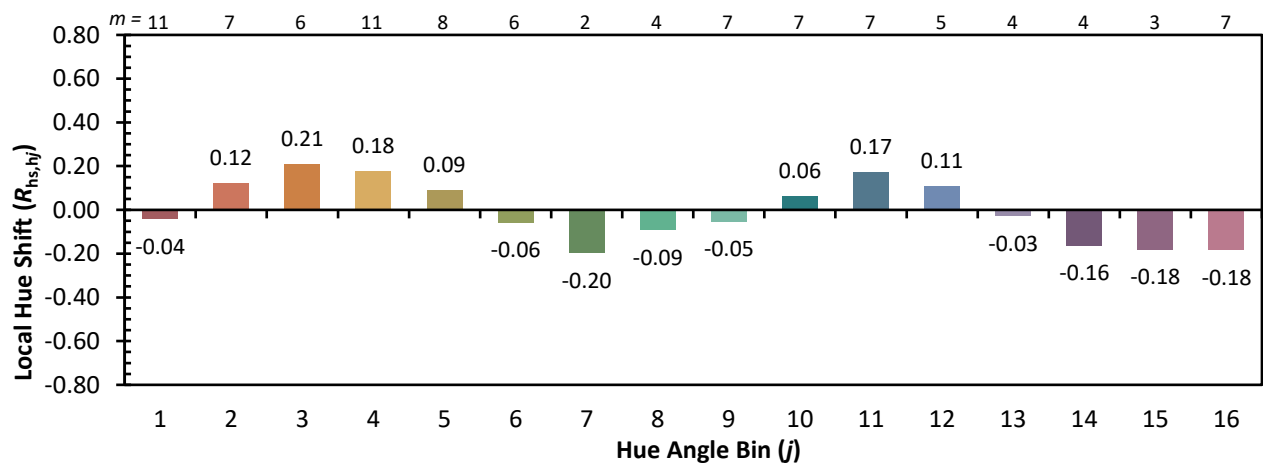
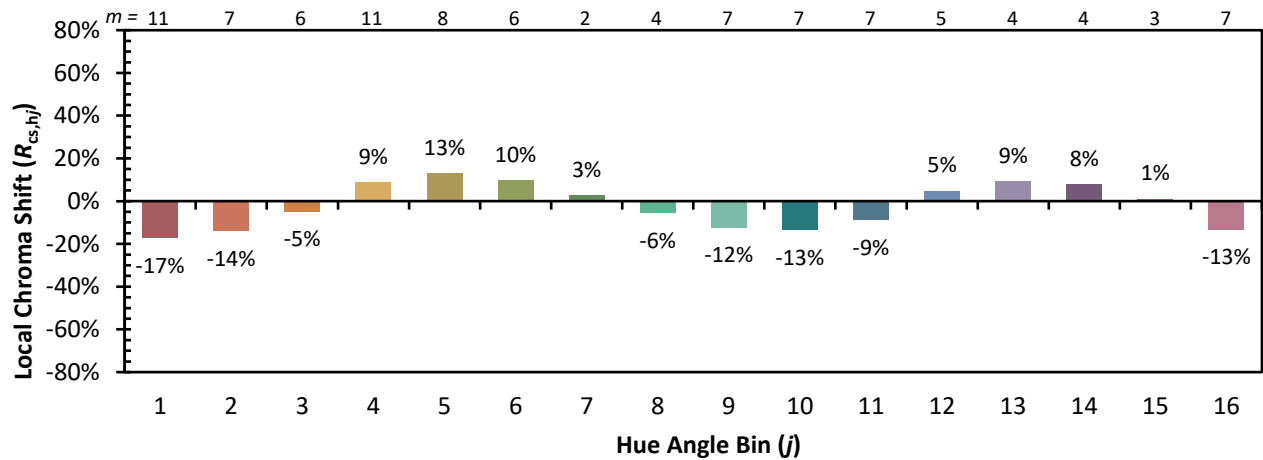


Individual Sample Fidelity Index ($R_{f,i}$)

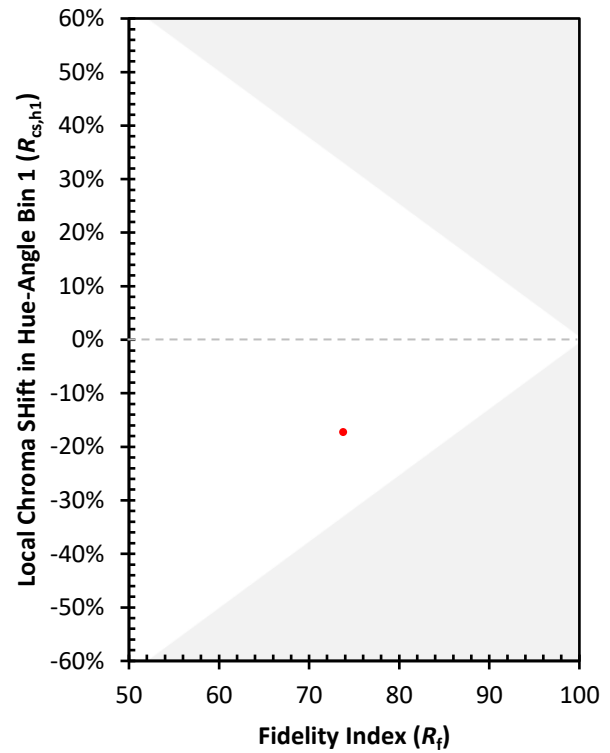
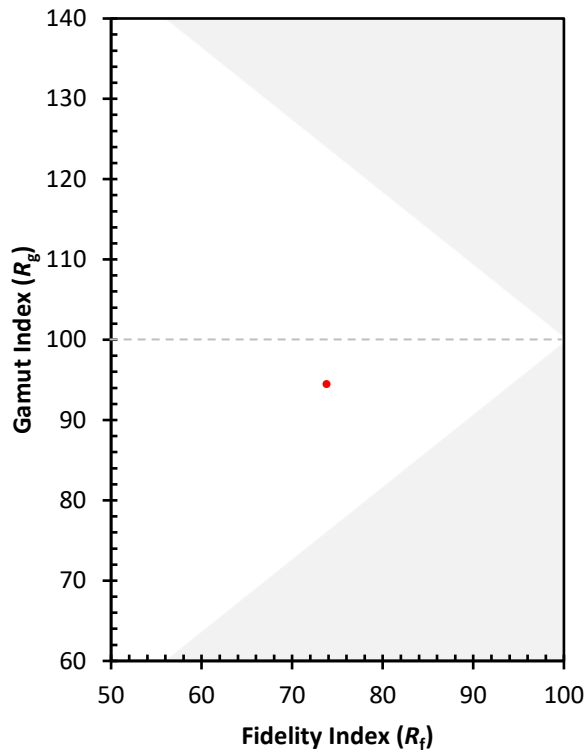
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82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