

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: P1050058

Luminaire Tested: **GALN-SA6B-950-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1050058
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-950-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 6xLight Square PACKAGE
90CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19248.8 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

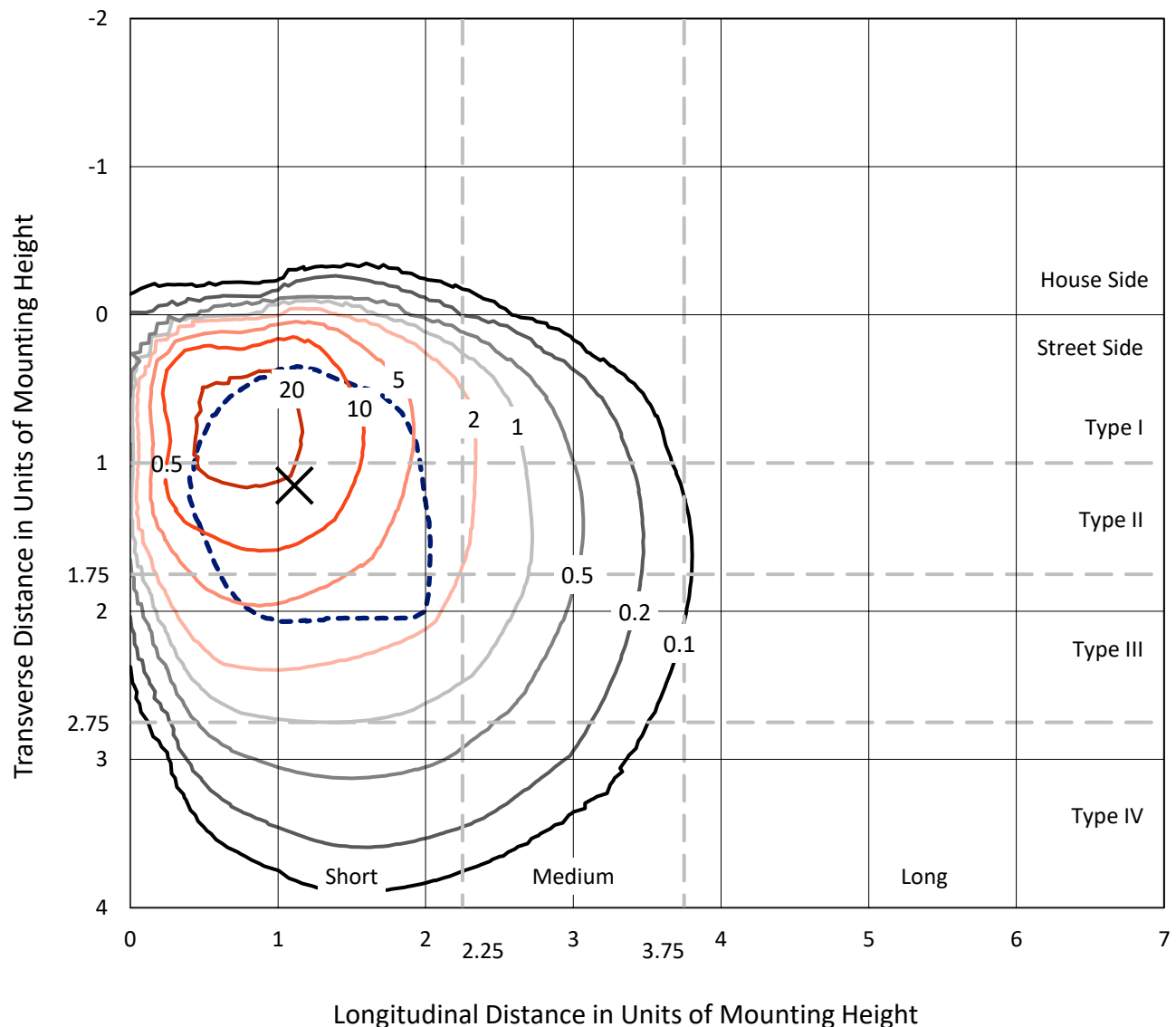
Input Watts (W): 213.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

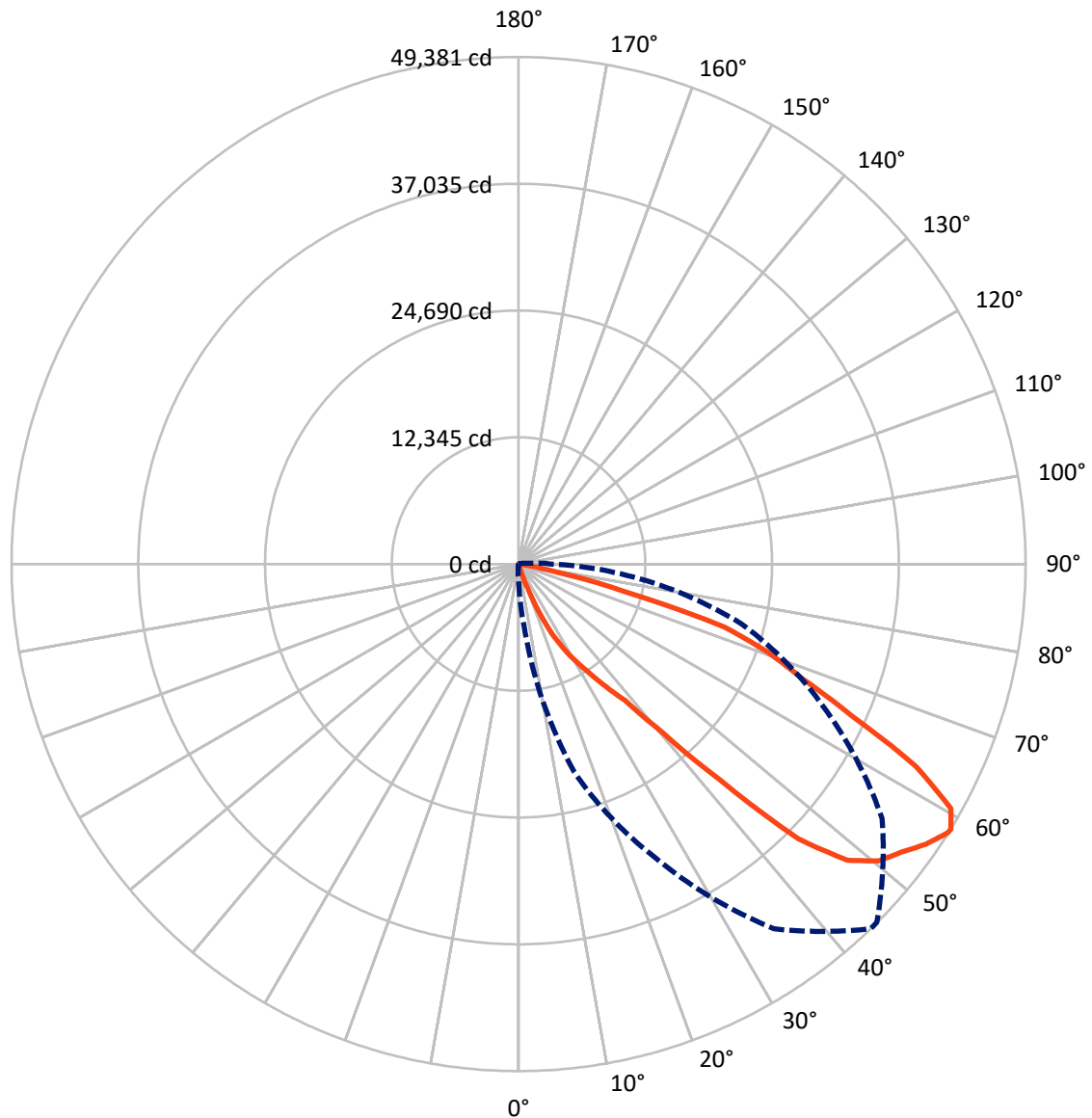
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 33.5 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	131.4	0.0	131.4
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	19117.3	0.0	19117.3
	% Fixture	99.3	0.0	99.3
Total	Lumens	19248.8	0.0	19248.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.0
10°-20°	42.2	0.2
20°-30°	456.0	2.4
30°-40°	1348.6	7.0
40°-50°	4019.5	20.9
50°-60°	6377.9	33.1
60°-70°	5319.9	27.6
70°-80°	1640.7	8.5
80°-90°	36.4	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°	19248.8	100.0
0°-180°	19248.8	100.0



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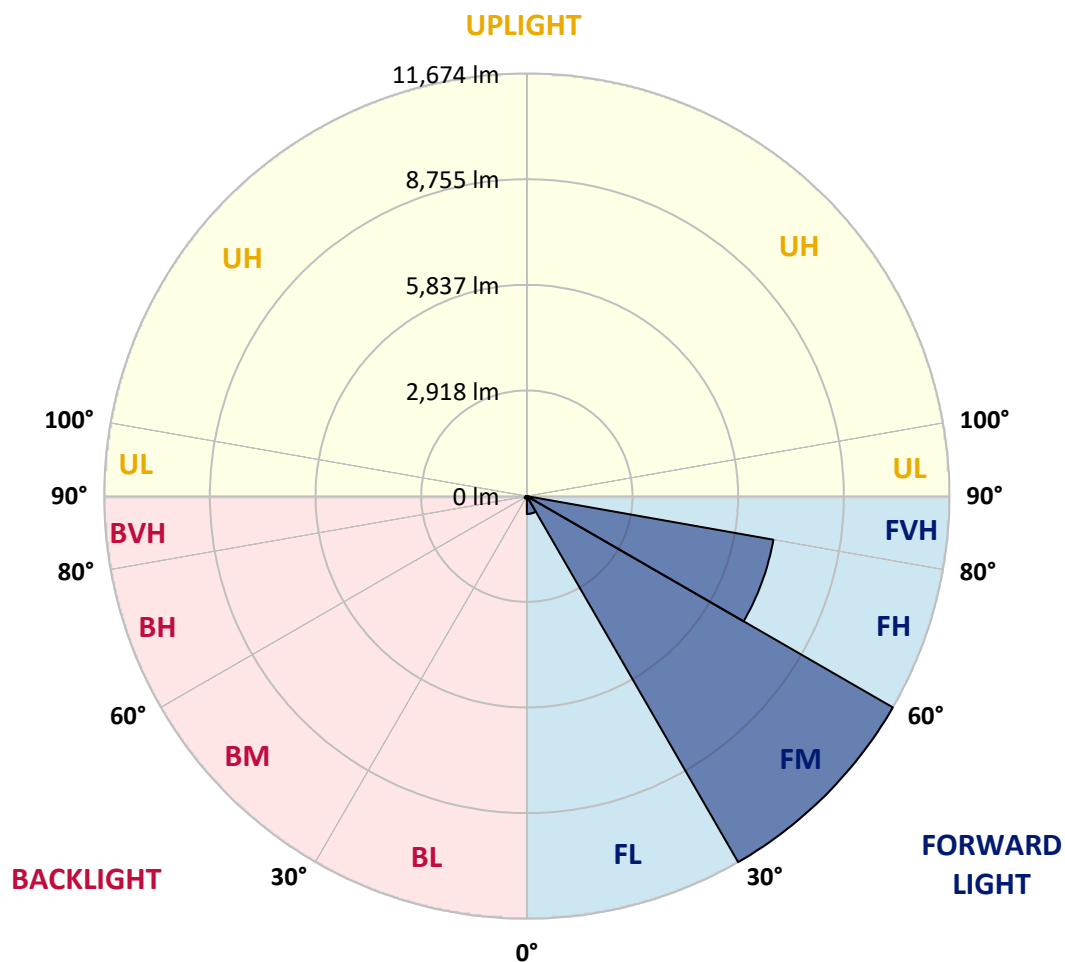
CATALOG NUMBER: GALN-SA6B-950-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	492.9	2.6			
FM	(30°-60°)	11674.0	60.6			
FH	(60°-80°)	6915.8	35.9			G3/7500
FVH	(80°-90°)	34.7	0.2			G1/100
BL	(0°-30°)	12.9	0.1	B0/110		
BM	(30°-60°)	71.9	0.4	B0/220		
BH	(60°-80°)	44.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2.5°	109.1	109.1	104.7	98.9	93.1	87.2	85.8	82.9	81.4	80.0
5°	113.4	113.4	112.0	107.6	101.8	97.4	97.4	93.1	90.2	87.2
7.5°	116.3	117.8	120.7	119.2	116.3	112.0	112.0	109.1	104.7	97.4
10°	120.7	125.1	130.9	133.8	135.2	135.2	133.8	132.3	125.1	114.9
12.5°	125.1	133.8	148.3	162.9	171.6	183.2	181.8	178.9	159.9	138.1
15°	133.8	146.9	177.4	219.6	285.0	325.7	341.7	327.2	264.6	186.1
17.5°	144.0	165.8	257.4	459.5	753.2	892.8	977.1	908.8	602.0	353.3
20°	154.1	202.1	478.4	1190.9	1954.3	2410.9	2537.4	2339.6	1502.1	673.2
22.5°	171.6	283.5	969.9	2461.8	4211.0	4895.9	5025.3	4392.8	2836.9	1329.0
25°	207.9	411.5	1672.2	4011.8	6284.5	7440.5	7386.7	6557.9	4602.2	2123.0
27.5°	260.3	599.1	2528.6	5700.0	8270.8	9290.1	9412.3	8387.1	6134.8	3121.9
30°	335.9	830.3	3447.6	7052.3	9863.0	10965.2	10985.6	9925.6	7506.0	3998.7
32.5°	408.6	1048.4	4251.7	8359.5	11432.0	12640.3	12730.5	11426.2	8529.6	4911.9
35°	463.9	1190.9	5066.0	9508.2	13014.0	14678.9	14673.1	13124.5	9742.3	5727.6
37.5°	468.2	1333.4	5803.2	10683.1	15017.7	16881.9	17066.5	15359.5	11208.1	6736.8
40°	458.0	1493.3	6736.8	12515.3	18628.2	21488.4	21651.3	19499.2	14148.2	8464.2
42.5°	469.7	1771.1	8251.9	15898.9	24623.4	28731.2	29045.3	26782.7	19553.0	11988.9
45°	530.7	2293.1	11426.2	21559.7	33169.0	38176.9	38072.2	34813.6	25841.9	17354.5
47.5°	732.9	3571.2	16131.6	27069.2	38630.6	43090.2	43180.4	39197.7	29512.0	21479.7
50°	1126.9	5464.4	20085.2	29981.7	40978.9	45453.1	45368.8	40766.6	30906.5	23511.0
52.5°	1465.7	6834.2	22068.6	31003.9	41279.9	46620.7	46614.9	41179.6	31123.1	23685.5
55°	1550.1	6937.4	22084.6	31059.2	41954.6	48149.0	48340.9	42196.0	31403.8	22923.6
57.5°	1516.6	6142.0	21162.7	31379.1	43155.7	49331.1	49341.3	43180.4	32116.3	22456.8
58°	1487.5	6017.0	20976.6	31560.8	43362.1	49380.6	49355.9	43225.5	32696.5	22439.4
60°	1324.7	5224.5	20251.0	32024.7	43055.3	48365.6	48134.4	42241.0	32610.7	22260.5
62.5°	1041.1	4075.8	19537.0	31488.1	39766.2	43452.3	43548.3	37397.5	29728.7	21217.9
65°	828.8	3037.6	18048.1	27620.3	32745.9	35683.1	36040.8	30410.6	24813.9	17966.6
67.5°	660.2	2195.7	15139.9	21990.1	25911.7	29781.0	30041.3	25532.2	19224.4	13765.8
70°	536.6	1484.6	10450.5	16082.1	21372.1	25722.7	25738.7	21210.7	14348.9	9019.7
72.5°	475.5	1028.0	6066.4	11728.6	17329.7	20960.6	20537.4	17212.0	11027.7	5342.3
75°	411.5	682.0	2975.0	7170.1	10507.2	10578.4	10739.8	7984.4	5512.4	2540.3
77.5°	338.8	484.2	1172.0	1958.6	3151.0	4033.6	4183.4	3169.9	1833.6	625.3
80°	232.7	229.7	315.5	600.5	901.5	1129.8	1054.2	815.7	479.8	239.9
82.5°	100.3	109.1	142.5	171.6	139.6	135.2	129.4	82.9	64.0	49.4
85°	32.0	29.1	30.5	30.5	24.7	18.9	18.9	8.7	0.0	0.0
87.5°	16.0	13.1	13.1	11.6	7.3	2.9	1.5	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°
84.3	0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
78.5	2.5°	77.1	77.1	74.2	71.2	69.8	66.9	65.4	64.0	62.5	61.1
84.3	5°	81.4	80.0	75.6	71.2	66.9	62.5	59.6	56.7	53.8	52.3
93.1	7.5°	88.7	85.8	77.1	69.8	64.0	58.2	55.3	50.9	48.0	43.6
103.2	10°	97.4	91.6	80.0	71.2	62.5	55.3	50.9	46.5	42.2	36.4
117.8	12.5°	109.1	98.9	84.3	69.8	59.6	50.9	46.5	40.7	36.4	32.0
136.7	15°	119.2	106.1	85.8	69.8	56.7	46.5	40.7	34.9	30.5	24.7
171.6	17.5°	133.8	112.0	84.3	65.4	52.3	40.7	34.9	30.5	23.3	14.5
254.5	20°	158.5	116.3	81.4	61.1	45.1	33.4	26.2	20.4	10.2	2.9
382.4	22.5°	197.8	128.0	78.5	55.3	39.3	26.2	17.4	7.3	0.0	0.0
581.6	25°	273.4	148.3	78.5	52.3	34.9	18.9	5.8	0.0	0.0	0.0
825.9	27.5°	363.5	175.9	78.5	45.1	27.6	10.2	0.0	0.0	0.0	0.0
1125.5	30°	455.1	206.5	78.5	39.3	21.8	1.5	0.0	0.0	0.0	0.0
1385.7	32.5°	542.4	232.7	80.0	33.4	14.5	0.0	0.0	0.0	0.0	0.0
1746.4	35°	631.1	237.0	78.5	29.1	8.7	0.0	0.0	0.0	0.0	0.0
2188.4	37.5°	744.5	228.3	74.2	26.2	4.4	0.0	0.0	0.0	0.0	0.0
2879.1	40°	916.1	232.7	69.8	24.7	1.5	0.0	0.0	0.0	0.0	0.0
4110.7	42.5°	1233.1	251.6	64.0	24.7	0.0	0.0	0.0	0.0	0.0	0.0
6547.7	45°	2131.7	337.3	58.2	26.2	0.0	0.0	0.0	0.0	0.0	0.0
9829.6	47.5°	3526.1	606.4	56.7	26.2	0.0	0.0	0.0	0.0	0.0	0.0
11840.6	50°	4500.4	763.4	59.6	27.6	0.0	0.0	0.0	0.0	0.0	0.0
12092.1	52.5°	4493.1	850.6	62.5	29.1	5.8	0.0	0.0	0.0	0.0	0.0
11145.5	55°	3994.4	866.6	66.9	32.0	18.9	0.0	0.0	0.0	0.0	0.0
9578.0	57.5°	3338.6	791.0	77.1	39.3	34.9	0.0	0.0	0.0	0.0	0.0
9332.3	58°	3222.2	756.1	80.0	40.7	37.8	0.0	0.0	0.0	0.0	0.0
8094.9	60°	2640.6	616.5	101.8	50.9	50.9	0.0	0.0	0.0	0.0	0.0
6636.4	62.5°	1823.4	538.0	116.3	65.4	52.3	0.0	0.0	0.0	0.0	0.0
4893.0	65°	1289.8	485.7	126.5	69.8	42.2	0.0	0.0	0.0	0.0	0.0
3476.7	67.5°	964.1	447.9	139.6	71.2	21.8	0.0	0.0	0.0	0.0	0.0
2181.1	70°	738.7	420.2	171.6	75.6	5.8	0.0	0.0	0.0	0.0	0.0
1299.9	72.5°	602.0	388.2	207.9	78.5	0.0	0.0	0.0	0.0	0.0	0.0
779.4	75°	498.7	350.4	200.7	85.8	0.0	0.0	0.0	0.0	0.0	0.0
415.9	77.5°	331.5	271.9	183.2	85.8	0.0	0.0	0.0	0.0	0.0	0.0
148.3	80°	116.3	107.6	142.5	75.6	0.0	0.0	0.0	0.0	0.0	0.0
30.5	82.5°	17.4	14.5	20.4	26.2	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°
84.3	0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
59.6	2.5°	59.6	59.6	58.2	59.6	59.6	62.5	69.8	80.0	91.6	96.0
50.9	5°	49.4	48.0	46.5	46.5	46.5	50.9	56.7	68.3	81.4	87.2
42.2	7.5°	40.7	39.3	37.8	36.4	36.4	39.3	46.5	59.6	72.7	78.5
34.9	10°	33.4	30.5	29.1	27.6	27.6	30.5	37.8	50.9	65.4	71.2
29.1	12.5°	27.6	23.3	20.4	18.9	17.4	21.8	29.1	40.7	56.7	64.0
21.8	15°	18.9	14.5	10.2	8.7	7.3	11.6	18.9	32.0	48.0	56.7
11.6	17.5°	10.2	4.4	1.5	0.0	0.0	2.9	8.7	23.3	39.3	46.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	29.1	36.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	17.4	24.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	13.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	4.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	11.6
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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CATALOG NUMBER: GALN-SA6B-950-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
84.3	0°	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
100.3	2.5°	103.2	101.8	98.9	96.0	96.0	96.0	100.3	104.7	109.1	109.1
90.2	5°	96.0	96.0	94.5	91.6	91.6	93.1	98.9	106.1	112.0	113.4
82.9	7.5°	88.7	91.6	88.7	87.2	88.7	90.2	96.0	104.7	113.4	116.3
77.1	10°	84.3	85.8	85.8	84.3	84.3	87.2	93.1	104.7	116.3	120.7
69.8	12.5°	78.5	81.4	80.0	80.0	80.0	82.9	90.2	103.2	119.2	125.1
62.5	15°	72.7	77.1	77.1	75.6	75.6	77.1	87.2	101.8	123.6	133.8
53.8	17.5°	66.9	71.2	72.7	69.8	69.8	72.7	82.9	101.8	126.5	144.0
43.6	20°	55.3	62.5	66.9	62.5	62.5	65.4	75.6	96.0	128.0	154.1
32.0	22.5°	43.6	50.9	56.7	55.3	55.3	56.7	69.8	91.6	129.4	171.6
18.9	25°	32.0	39.3	43.6	46.5	46.5	50.9	64.0	88.7	135.2	207.9
8.7	27.5°	18.9	27.6	33.4	36.4	37.8	43.6	59.6	85.8	145.4	260.3
0.0	30°	8.7	16.0	23.3	29.1	29.1	39.3	55.3	82.9	158.5	335.9
0.0	32.5°	0.0	7.3	11.6	20.4	21.8	32.0	50.9	80.0	177.4	408.6
0.0	35°	0.0	0.0	5.8	16.0	16.0	26.2	46.5	77.1	206.5	463.9
0.0	37.5°	0.0	0.0	0.0	11.6	13.1	23.3	45.1	75.6	212.3	468.2
0.0	40°	0.0	0.0	0.0	8.7	10.2	21.8	45.1	77.1	191.9	458.0
0.0	42.5°	0.0	0.0	0.0	5.8	7.3	21.8	45.1	80.0	173.0	469.7
0.0	45°	0.0	0.0	0.0	4.4	5.8	23.3	43.6	78.5	162.9	530.7
0.0	47.5°	0.0	0.0	0.0	5.8	8.7	23.3	42.2	77.1	164.3	732.9
0.0	50°	0.0	0.0	0.0	7.3	10.2	23.3	43.6	74.2	180.3	1126.9
0.0	52.5°	0.0	0.0	0.0	5.8	8.7	26.2	48.0	72.7	196.3	1465.7
0.0	55°	0.0	0.0	0.0	1.5	4.4	33.4	52.3	72.7	221.0	1550.1
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	37.8	59.6	77.1	261.7	1516.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	37.8	61.1	77.1	264.6	1487.5
0.0	60°	0.0	0.0	0.0	0.0	0.0	37.8	66.9	85.8	285.0	1324.7
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	32.0	80.0	107.6	296.6	1041.1
0.0	65°	0.0	0.0	0.0	0.0	0.0	26.2	94.5	117.8	305.4	828.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	24.7	97.4	119.2	309.7	660.2
0.0	70°	0.0	0.0	0.0	0.0	0.0	26.2	96.0	128.0	324.3	536.6
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	29.1	87.2	141.0	324.3	475.5
0.0	75°	0.0	0.0	0.0	0.0	0.0	30.5	81.4	158.5	295.2	411.5
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	29.1	80.0	184.7	263.2	338.8
0.0	80°	2.9	4.4	4.4	2.9	2.9	24.7	78.5	187.6	223.9	232.7
1.5	82.5°	8.7	11.6	10.2	7.3	7.3	21.8	69.8	157.0	116.3	100.3
8.7	85°	16.0	18.9	18.9	16.0	16.0	20.4	43.6	56.7	39.3	32.0
16.0	87.5°	21.8	24.7	24.7	21.8	21.8	20.4	18.9	17.4	16.0	16.0
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

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: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

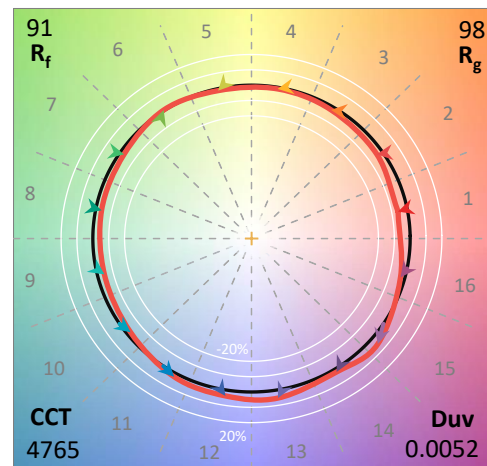
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

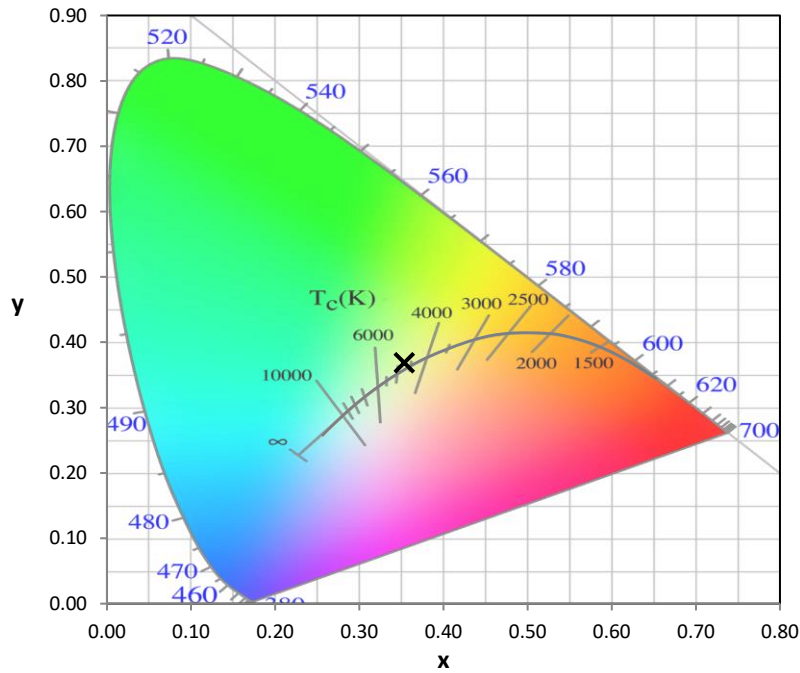
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

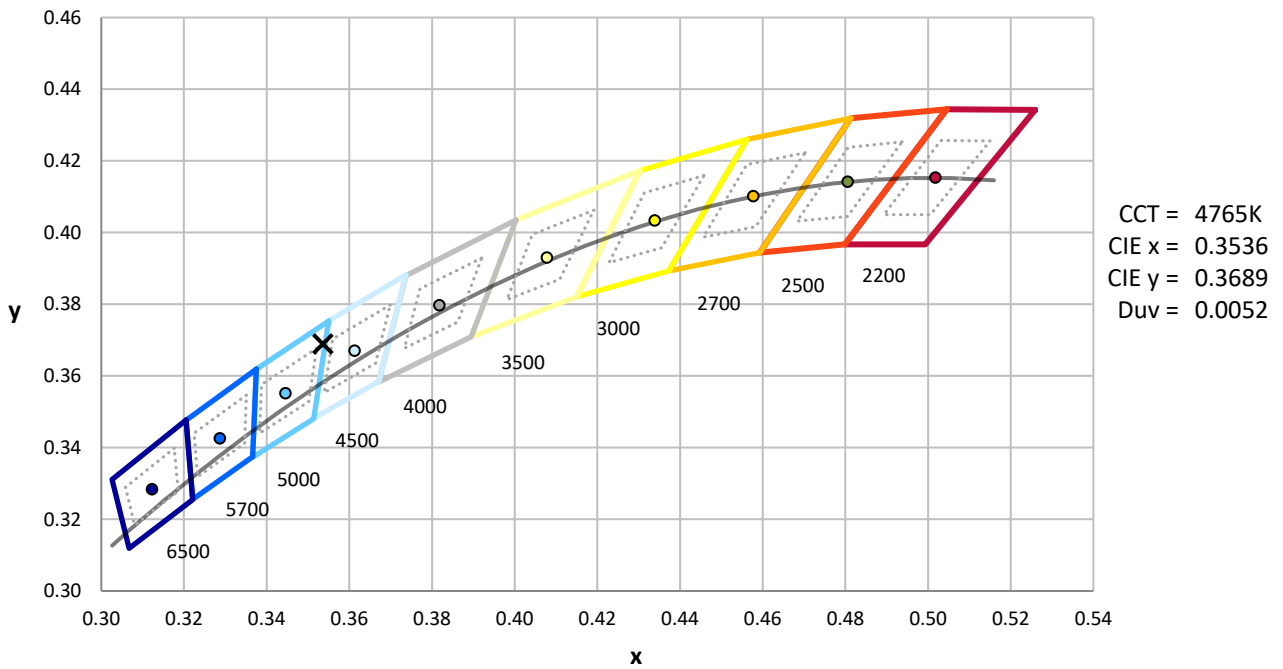
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



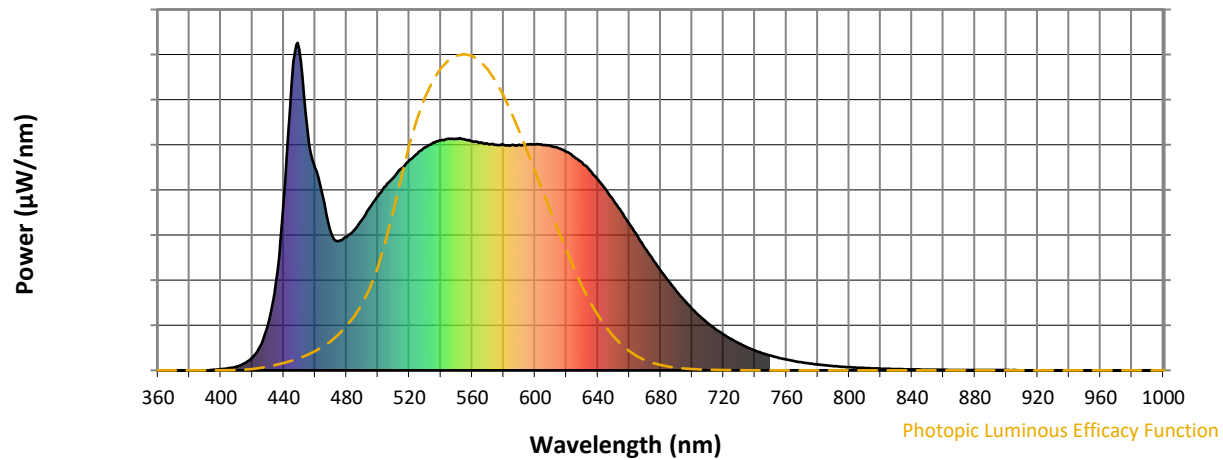
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

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Photopic Flux vs. Wavelength

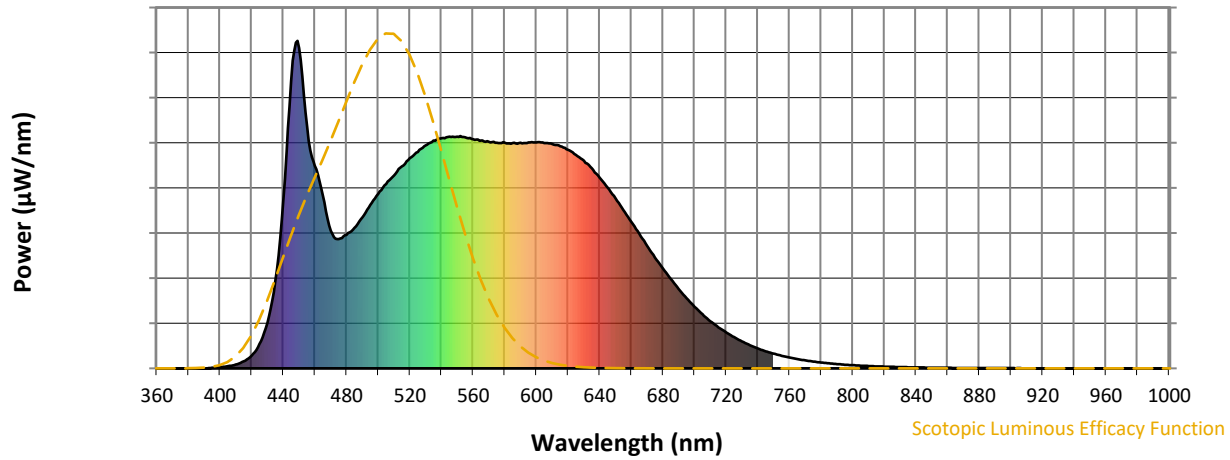


Photopic Lumens: NR

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



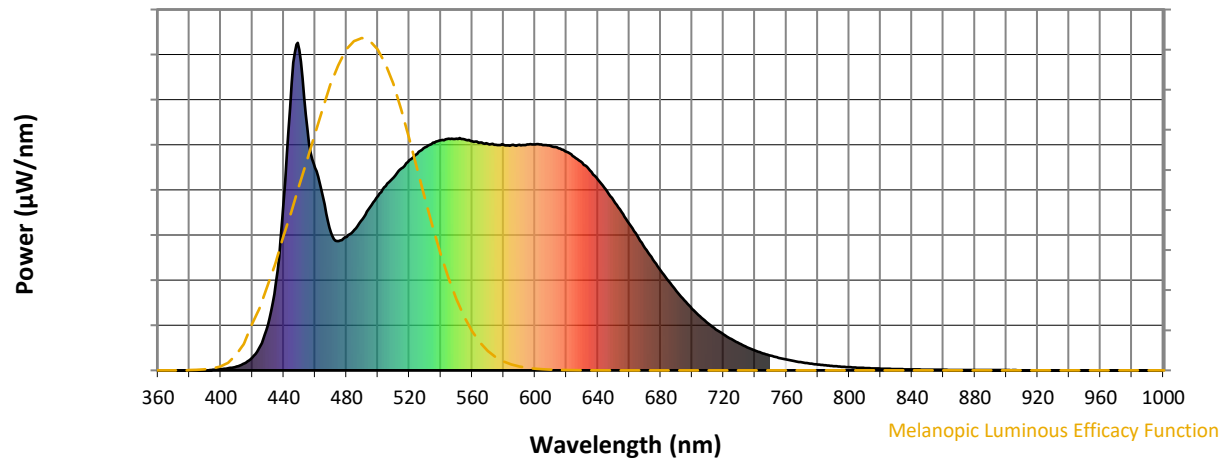
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

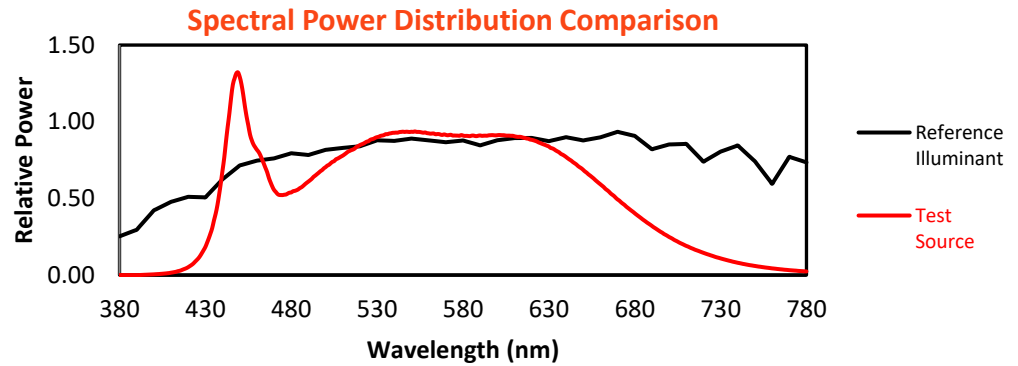
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

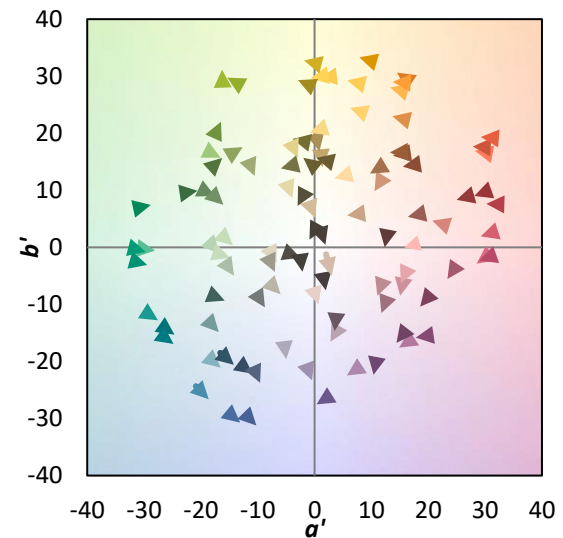
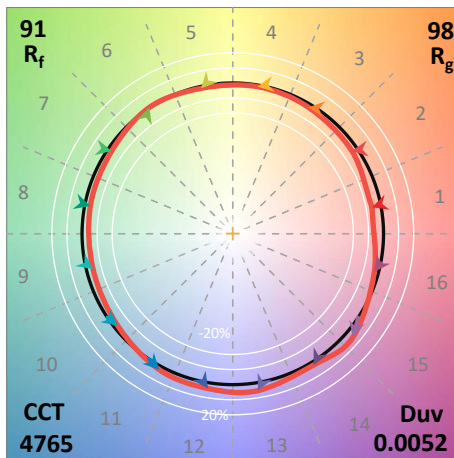
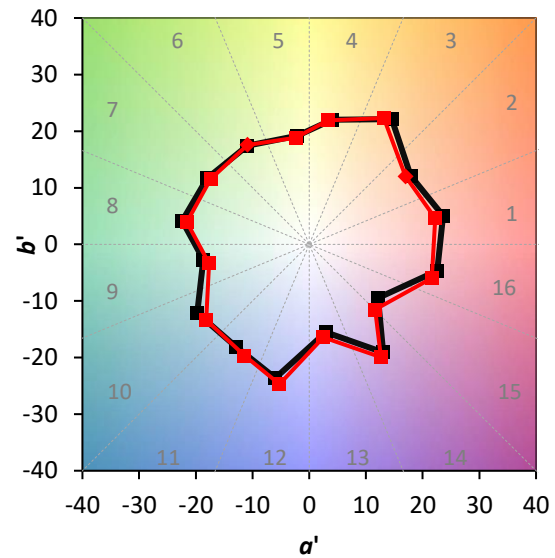
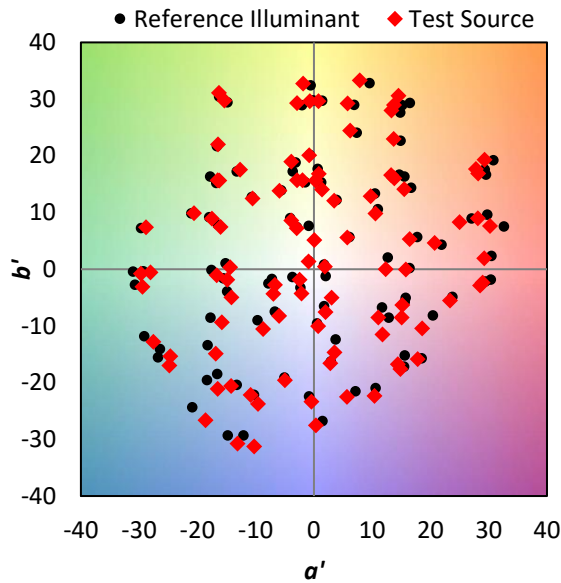
TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 $CIE R_a = 90.8$
 $R_9 = 54.9$

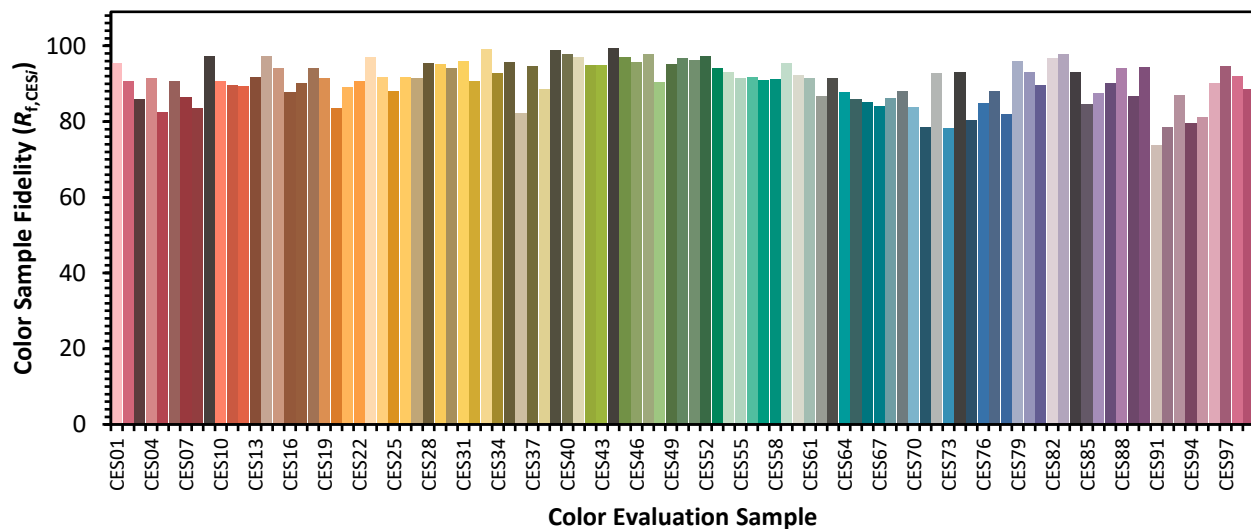


Color Vector Graphics

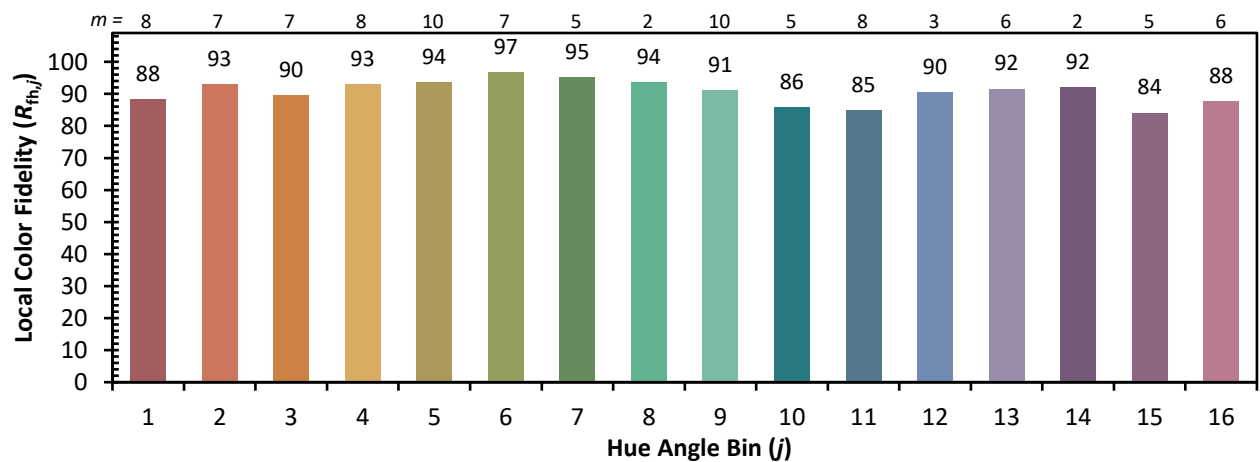
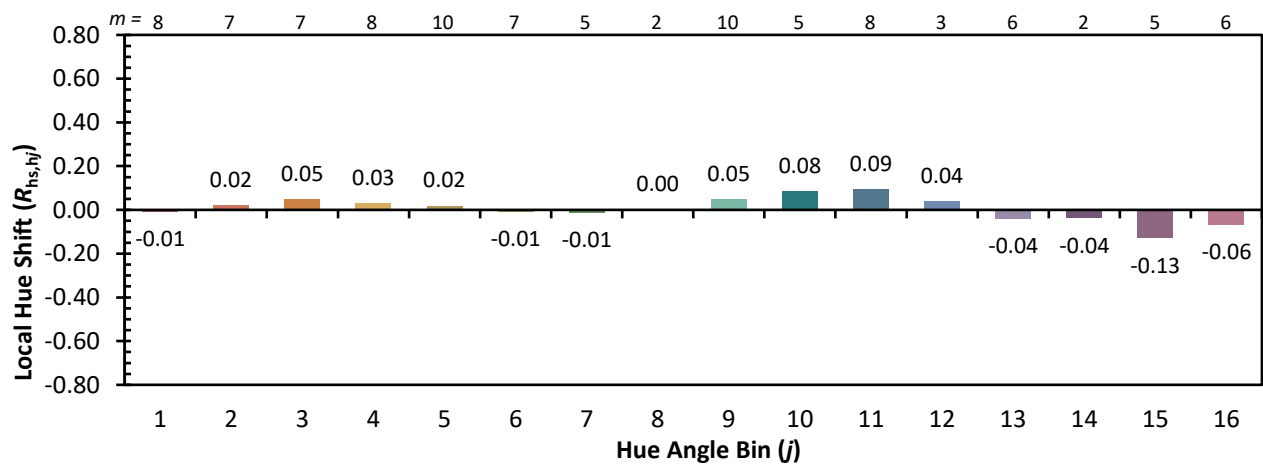
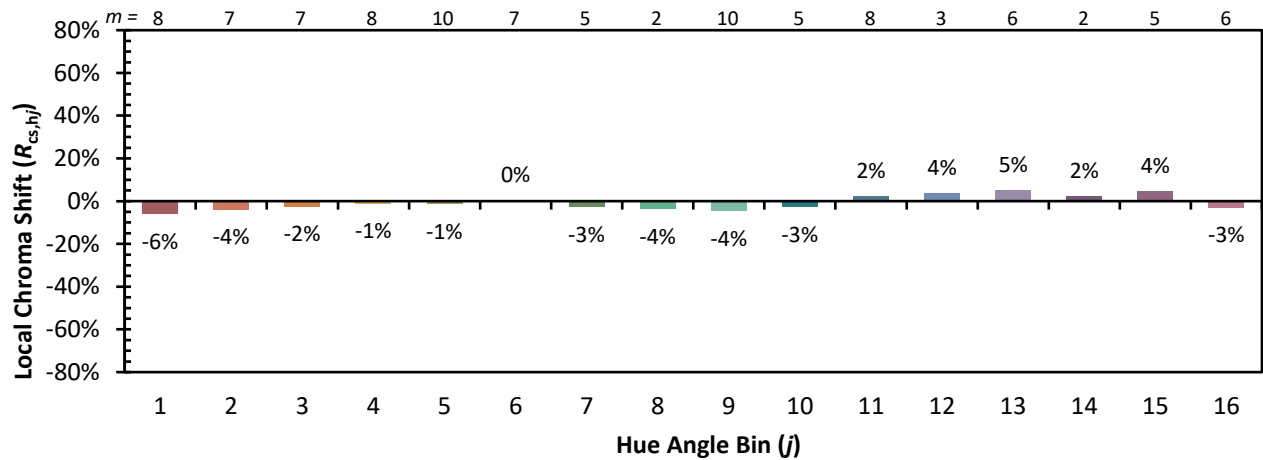


Individual Sample Fidelity Index ($R_{f,i}$)

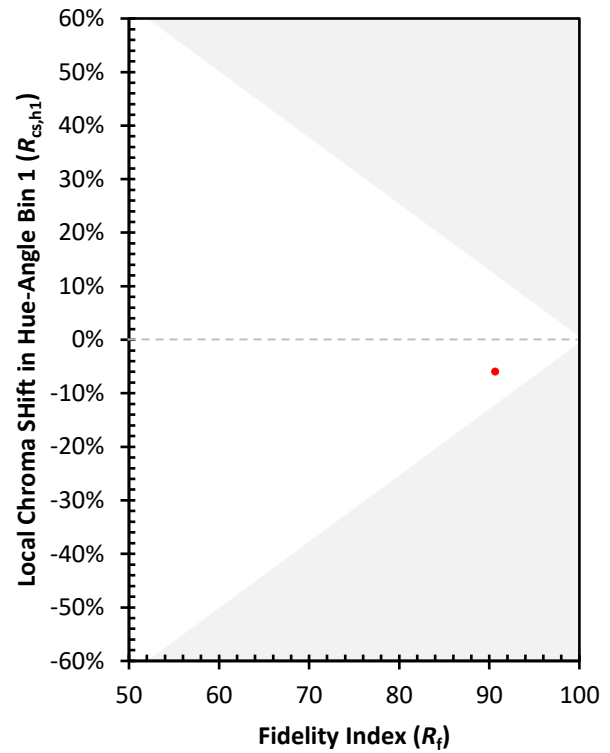
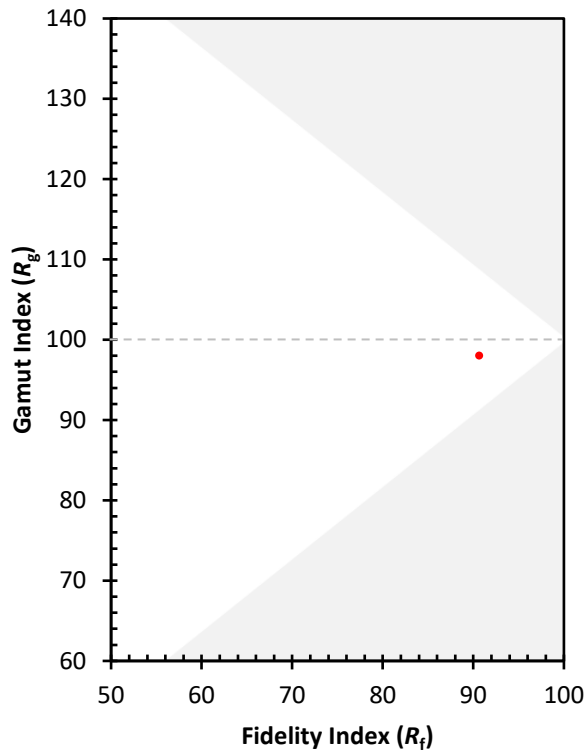
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)