

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: P1049667

Luminaire Tested: **GALN-SA7C-750-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049667
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-750-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 7xLight Square PACKAGE
70CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (98) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35420.9 lumens
Efficiency: N/A
Efficacy: 107.3 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

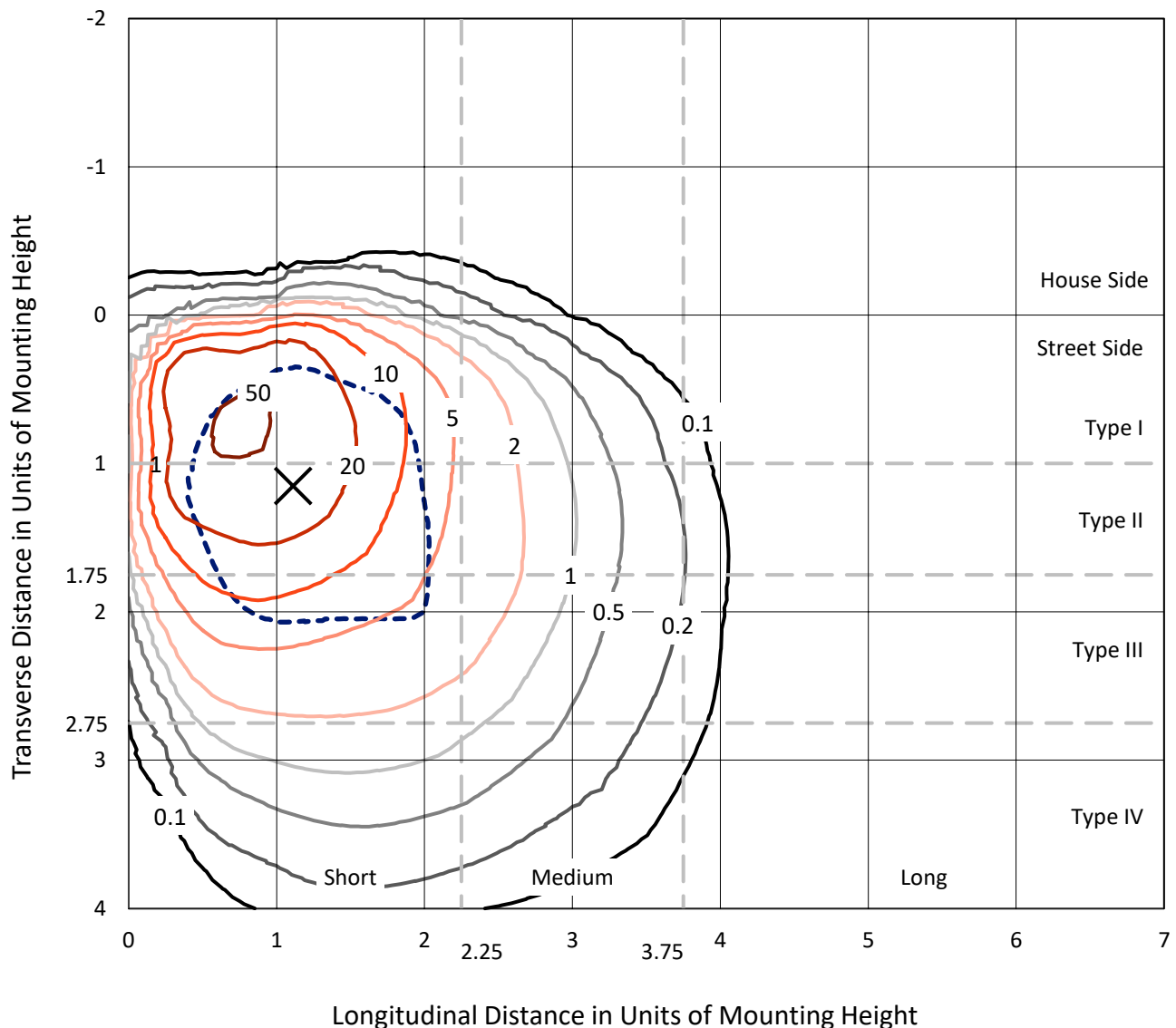
Input Watts (W): 330
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

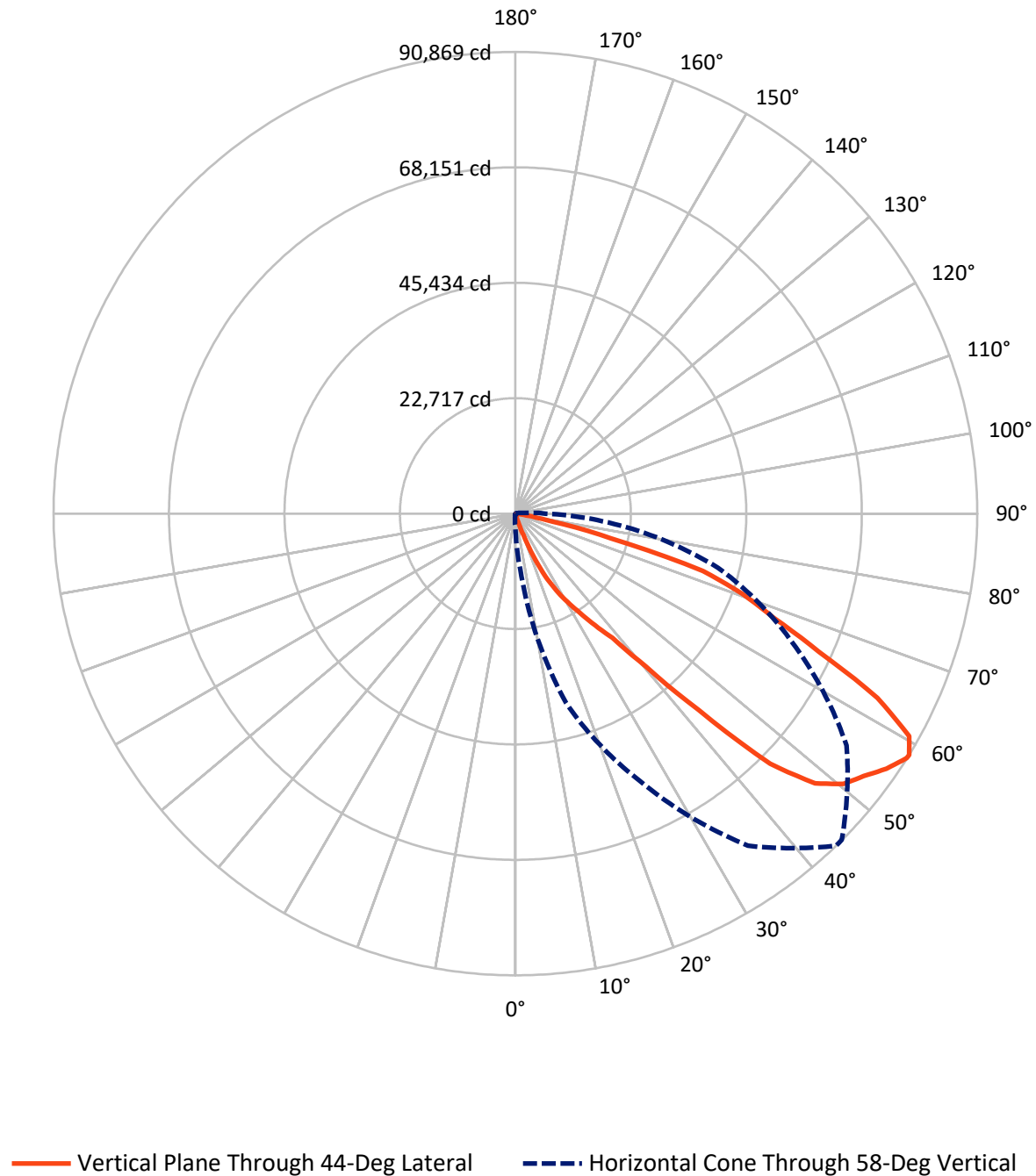
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 61.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.9	0.0	241.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	35179.1	0.0	35179.1
	% Fixture	99.3	0.0	99.3
Total	Lumens	35420.9	0.0	35420.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.0
10°-20°	77.7	0.2
20°-30°	839.1	2.4
30°-40°	2481.6	7.0
40°-50°	7396.5	20.9
50°-60°	11736.4	33.1
60°-70°	9789.5	27.6
70°-80°	3019.3	8.5
80°-90°	67.1	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°	35420.9	100.0
0°-180°	35420.9	100.0



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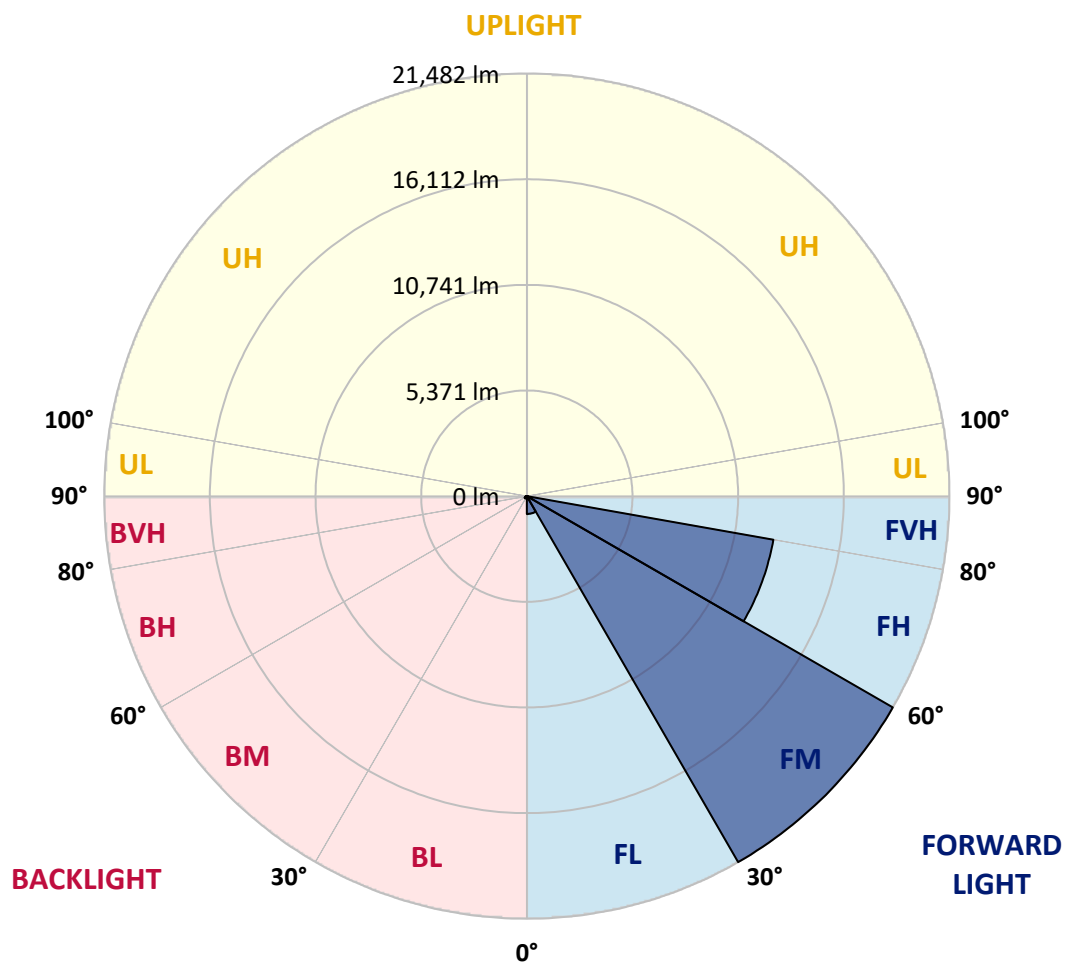
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	907.0	2.6			
FM	(30°-60°)	21482.1	60.6			
FH	(60°-80°)	12726.2	35.9			G5
FVH	(80°-90°)	63.8	0.2			G1/100
BL	(0°-30°)	23.7	0.1	B0/110		
BM	(30°-60°)	132.4	0.4	B0/220		
BH	(60°-80°)	82.6	0.2	B0/110		G0/110
BVH	(80°-90°)	3.2	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2
2.5°	200.7	200.7	192.7	182.0	171.2	160.5	157.9	152.5	149.8	147.2
5°	208.7	208.7	206.0	198.0	187.3	179.3	179.3	171.2	165.9	160.5
7.5°	214.1	216.7	222.1	219.4	214.1	206.0	206.0	200.7	192.7	179.3
10°	222.1	230.1	240.8	246.2	248.8	248.8	246.2	243.5	230.1	211.4
12.5°	230.1	246.2	272.9	299.7	315.7	337.1	334.5	329.1	294.3	254.2
15°	246.2	270.3	326.4	404.0	524.4	599.4	628.8	602.0	487.0	342.5
17.5°	264.9	305.0	473.6	845.5	1386.0	1642.9	1798.1	1672.3	1107.8	650.2
20°	283.6	371.9	880.3	2191.4	3596.2	4436.4	4669.2	4305.3	2764.1	1238.9
22.5°	315.7	521.8	1784.7	4530.0	7749.0	9009.3	9247.4	8083.4	5220.4	2445.6
25°	382.6	757.2	3077.1	7382.4	11564.6	13691.8	13592.8	12067.6	8468.7	3906.6
27.5°	479.0	1102.4	4653.1	10488.9	15219.7	17095.4	17320.1	15433.7	11289.0	5744.8
30°	618.1	1527.9	6344.2	12977.4	18149.6	20177.8	20215.3	18264.7	13812.2	7358.3
32.5°	751.9	1929.2	7823.9	15382.9	21036.7	23260.3	23426.2	21026.0	15696.0	9038.7
35°	853.6	2191.4	9322.3	17496.7	23948.0	27011.7	27001.0	24151.3	17927.5	10539.8
37.5°	861.6	2453.7	10678.9	19658.7	27635.1	31065.5	31405.3	28264.0	20624.7	12396.8
40°	842.9	2748.0	12396.8	23030.2	34279.0	39542.2	39841.9	35881.8	26035.1	15575.5
42.5°	864.3	3259.1	15184.9	29256.7	45311.2	52870.2	53448.1	49284.6	35980.8	22061.6
45°	976.6	4219.7	21026.0	39673.3	61036.5	70251.8	70059.2	64062.8	47553.4	31935.1
47.5°	1348.6	6571.6	29684.8	49811.8	71086.7	79293.2	79459.1	72130.2	54307.0	39526.2
50°	2073.7	10055.5	36960.1	55171.3	75408.0	83641.3	83486.1	75017.3	56873.1	43264.2
52.5°	2697.2	12576.0	40609.9	57052.3	75961.9	85789.9	85779.2	75777.2	57271.8	43585.3
55°	2852.3	12766.0	40639.3	57154.0	77203.4	88602.1	88955.3	77647.6	57788.2	42183.2
57.5°	2790.8	11302.4	38942.9	57742.7	79413.6	90777.5	90796.2	79459.1	59099.3	41324.3
58°	2737.3	11072.3	38600.4	58077.2	79793.6	90868.5	90823.0	79542.0	60166.9	41292.2
60°	2437.6	9614.0	37265.2	58930.7	79229.0	89000.8	88575.4	77730.5	60009.1	40963.1
62.5°	1915.8	7500.1	35951.4	57943.4	73176.4	79959.4	80136.0	68817.6	54705.7	39044.5
65°	1525.2	5589.6	33211.4	50825.9	60257.9	65662.9	66321.1	55960.6	45661.7	33061.6
67.5°	1214.8	4040.4	27859.9	40465.4	47681.9	54802.0	55281.0	46983.5	35376.1	25331.3
70°	987.4	2731.9	19230.6	29593.8	39328.2	47334.0	47363.5	39031.2	26404.3	16597.7
72.5°	875.0	1891.8	11163.2	21582.6	31889.6	38570.9	37792.3	31672.9	20292.9	9830.7
75°	757.2	1254.9	5474.6	13194.1	19335.0	19466.1	19763.1	14692.5	10143.8	4674.5
77.5°	623.4	891.0	2156.7	3604.2	5798.4	7422.5	7698.1	5833.1	3374.1	1150.6
80°	428.1	422.8	580.6	1105.1	1659.0	2079.1	1939.9	1501.1	883.0	441.5
82.5°	184.6	200.7	262.2	315.7	256.9	248.8	238.1	152.5	117.7	91.0
85°	58.9	53.5	56.2	56.2	45.5	34.8	34.8	16.1	0.0	0.0
87.5°	29.4	24.1	24.1	21.4	13.4	5.4	2.7	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°
155.2	0°	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2
144.5	2.5°	141.8	141.8	136.5	131.1	128.4	123.1	120.4	117.7	115.1	112.4
155.2	5°	149.8	147.2	139.1	131.1	123.1	115.1	109.7	104.4	99.0	96.3
171.2	7.5°	163.2	157.9	141.8	128.4	117.7	107.0	101.7	93.7	88.3	80.3
190.0	10°	179.3	168.6	147.2	131.1	115.1	101.7	93.7	85.6	77.6	66.9
216.7	12.5°	200.7	182.0	155.2	128.4	109.7	93.7	85.6	74.9	66.9	58.9
251.5	15°	219.4	195.3	157.9	128.4	104.4	85.6	74.9	64.2	56.2	45.5
315.7	17.5°	246.2	206.0	155.2	120.4	96.3	74.9	64.2	56.2	42.8	26.8
468.3	20°	291.7	214.1	149.8	112.4	82.9	61.5	48.2	37.5	18.7	5.4
703.7	22.5°	363.9	235.5	144.5	101.7	72.2	48.2	32.1	13.4	0.0	0.0
1070.3	25°	503.0	272.9	144.5	96.3	64.2	34.8	10.7	0.0	0.0	0.0
1519.8	27.5°	668.9	323.8	144.5	82.9	50.8	18.7	0.0	0.0	0.0	0.0
2071.0	30°	837.5	380.0	144.5	72.2	40.1	2.7	0.0	0.0	0.0	0.0
2550.0	32.5°	998.1	428.1	147.2	61.5	26.8	0.0	0.0	0.0	0.0	0.0
3213.6	35°	1161.3	436.1	144.5	53.5	16.1	0.0	0.0	0.0	0.0	0.0
4027.0	37.5°	1370.0	420.1	136.5	48.2	8.0	0.0	0.0	0.0	0.0	0.0
5298.0	40°	1685.7	428.1	128.4	45.5	2.7	0.0	0.0	0.0	0.0	0.0
7564.3	42.5°	2269.0	462.9	117.7	45.5	0.0	0.0	0.0	0.0	0.0	0.0
12048.9	45°	3922.6	620.8	107.0	48.2	0.0	0.0	0.0	0.0	0.0	0.0
18088.1	47.5°	6488.7	1115.8	104.4	48.2	0.0	0.0	0.0	0.0	0.0	0.0
21788.6	50°	8281.4	1404.8	109.7	50.8	0.0	0.0	0.0	0.0	0.0	0.0
22251.5	52.5°	8268.1	1565.3	115.1	53.5	10.7	0.0	0.0	0.0	0.0	0.0
20509.6	55°	7350.3	1594.7	123.1	58.9	34.8	0.0	0.0	0.0	0.0	0.0
17625.2	57.5°	6143.5	1455.6	141.8	72.2	64.2	0.0	0.0	0.0	0.0	0.0
17173.0	58°	5929.5	1391.4	147.2	74.9	69.6	0.0	0.0	0.0	0.0	0.0
14895.9	60°	4859.2	1134.5	187.3	93.7	93.7	0.0	0.0	0.0	0.0	0.0
12212.1	62.5°	3355.4	990.0	214.1	120.4	96.3	0.0	0.0	0.0	0.0	0.0
9003.9	65°	2373.4	893.7	232.8	128.4	77.6	0.0	0.0	0.0	0.0	0.0
6397.7	67.5°	1774.0	824.1	256.9	131.1	40.1	0.0	0.0	0.0	0.0	0.0
4013.6	70°	1359.3	773.3	315.7	139.1	10.7	0.0	0.0	0.0	0.0	0.0
2392.1	72.5°	1107.8	714.4	382.6	144.5	0.0	0.0	0.0	0.0	0.0	0.0
1434.2	75°	917.8	644.9	369.3	157.9	0.0	0.0	0.0	0.0	0.0	0.0
765.3	77.5°	610.1	500.4	337.1	157.9	0.0	0.0	0.0	0.0	0.0	0.0
272.9	80°	214.1	198.0	262.2	139.1	0.0	0.0	0.0	0.0	0.0	0.0
56.2	82.5°	32.1	26.8	37.5	48.2	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°
155.2	0°	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2
109.7	2.5°	109.7	109.7	107.0	109.7	109.7	115.1	128.4	147.2	168.6	176.6
93.7	5°	91.0	88.3	85.6	85.6	85.6	93.7	104.4	125.8	149.8	160.5
77.6	7.5°	74.9	72.2	69.6	66.9	66.9	72.2	85.6	109.7	133.8	144.5
64.2	10°	61.5	56.2	53.5	50.8	50.8	56.2	69.6	93.7	120.4	131.1
53.5	12.5°	50.8	42.8	37.5	34.8	32.1	40.1	53.5	74.9	104.4	117.7
40.1	15°	34.8	26.8	18.7	16.1	13.4	21.4	34.8	58.9	88.3	104.4
21.4	17.5°	18.7	8.0	2.7	0.0	0.0	5.4	16.1	42.8	72.2	85.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.4	53.5	66.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	32.1	45.5
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	24.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
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	8.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	21.4
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°
155.2	0°	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2	155.2
184.6	2.5°	190.0	187.3	182.0	176.6	176.6	176.6	184.6	192.7	200.7	200.7
165.9	5°	176.6	176.6	173.9	168.6	168.6	171.2	182.0	195.3	206.0	208.7
152.5	7.5°	163.2	168.6	163.2	160.5	163.2	165.9	176.6	192.7	208.7	214.1
141.8	10°	155.2	157.9	157.9	155.2	155.2	160.5	171.2	192.7	214.1	222.1
128.4	12.5°	144.5	149.8	147.2	147.2	147.2	152.5	165.9	190.0	219.4	230.1
115.1	15°	133.8	141.8	141.8	139.1	139.1	141.8	160.5	187.3	227.4	246.2
99.0	17.5°	123.1	131.1	133.8	128.4	128.4	133.8	152.5	187.3	232.8	264.9
80.3	20°	101.7	115.1	123.1	115.1	115.1	120.4	139.1	176.6	235.5	283.6
58.9	22.5°	80.3	93.7	104.4	101.7	101.7	104.4	128.4	168.6	238.1	315.7
34.8	25°	58.9	72.2	80.3	85.6	85.6	93.7	117.7	163.2	248.8	382.6
16.1	27.5°	34.8	50.8	61.5	66.9	69.6	80.3	109.7	157.9	267.6	479.0
0.0	30°	16.1	29.4	42.8	53.5	53.5	72.2	101.7	152.5	291.7	618.1
0.0	32.5°	0.0	13.4	21.4	37.5	40.1	58.9	93.7	147.2	326.4	751.9
0.0	35°	0.0	0.0	10.7	29.4	29.4	48.2	85.6	141.8	380.0	853.6
0.0	37.5°	0.0	0.0	0.0	21.4	24.1	42.8	82.9	139.1	390.7	861.6
0.0	40°	0.0	0.0	0.0	16.1	18.7	40.1	82.9	141.8	353.2	842.9
0.0	42.5°	0.0	0.0	0.0	10.7	13.4	40.1	82.9	147.2	318.4	864.3
0.0	45°	0.0	0.0	0.0	8.0	10.7	42.8	80.3	144.5	299.7	976.6
0.0	47.5°	0.0	0.0	0.0	10.7	16.1	42.8	77.6	141.8	302.4	1348.6
0.0	50°	0.0	0.0	0.0	13.4	18.7	42.8	80.3	136.5	331.8	2073.7
0.0	52.5°	0.0	0.0	0.0	10.7	16.1	48.2	88.3	133.8	361.2	2697.2
0.0	55°	0.0	0.0	0.0	2.7	8.0	61.5	96.3	133.8	406.7	2852.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	69.6	109.7	141.8	481.6	2790.8
0.0	58°	0.0	0.0	0.0	0.0	0.0	69.6	112.4	141.8	487.0	2737.3
0.0	60°	0.0	0.0	0.0	0.0	0.0	69.6	123.1	157.9	524.4	2437.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	58.9	147.2	198.0	545.9	1915.8
0.0	65°	0.0	0.0	0.0	0.0	0.0	48.2	173.9	216.7	561.9	1525.2
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	45.5	179.3	219.4	569.9	1214.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	48.2	176.6	235.5	596.7	987.4
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	53.5	160.5	259.5	596.7	875.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	56.2	149.8	291.7	543.2	757.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	53.5	147.2	339.8	484.3	623.4
0.0	80°	5.4	8.0	8.0	5.4	5.4	45.5	144.5	345.2	412.1	428.1
2.7	82.5°	16.1	21.4	18.7	13.4	13.4	40.1	128.4	289.0	214.1	184.6
16.1	85°	29.4	34.8	34.8	29.4	29.4	37.5	80.3	104.4	72.2	58.9
29.4	87.5°	40.1	45.5	45.5	40.1	40.1	37.5	34.8	32.1	29.4	29.4
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: SP1-2407-184-6

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-750-U-5WQ

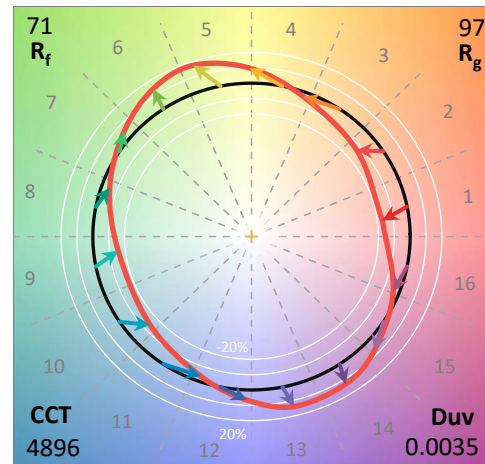
Data in this report applies to families of products including GSS-SB1A-750-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-6
 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-750-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K):	4896	CRI (Ra):	70.2		
CIE u':	0.2101	R1:	68.1	R9:	-35.1
CIE v':	0.4901	R2:	73.9	R10:	39.3
Duv:	0.0035	R3:	79.4	R11:	71.1
CIE x:	0.3489	R4:	72.1	R12:	43.8
CIE y:	0.3618	R5:	69.2	R13:	68.1
CIE z:	0.2893	R6:	65.7	R14:	88.4
Peak Wavelength (nm):	443	R7:	78.1	R15:	59.7
Dominant Wavelength (nm):	570	R8:	55.3		
Purity:	13.25435				
Rf:	70.7				
Rg:	96.8				



Test Conditions

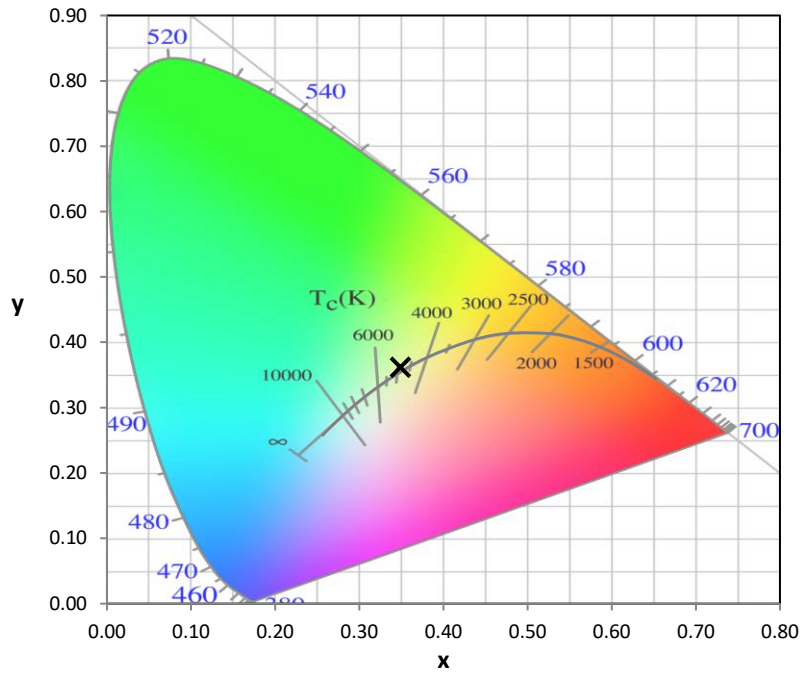
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-6

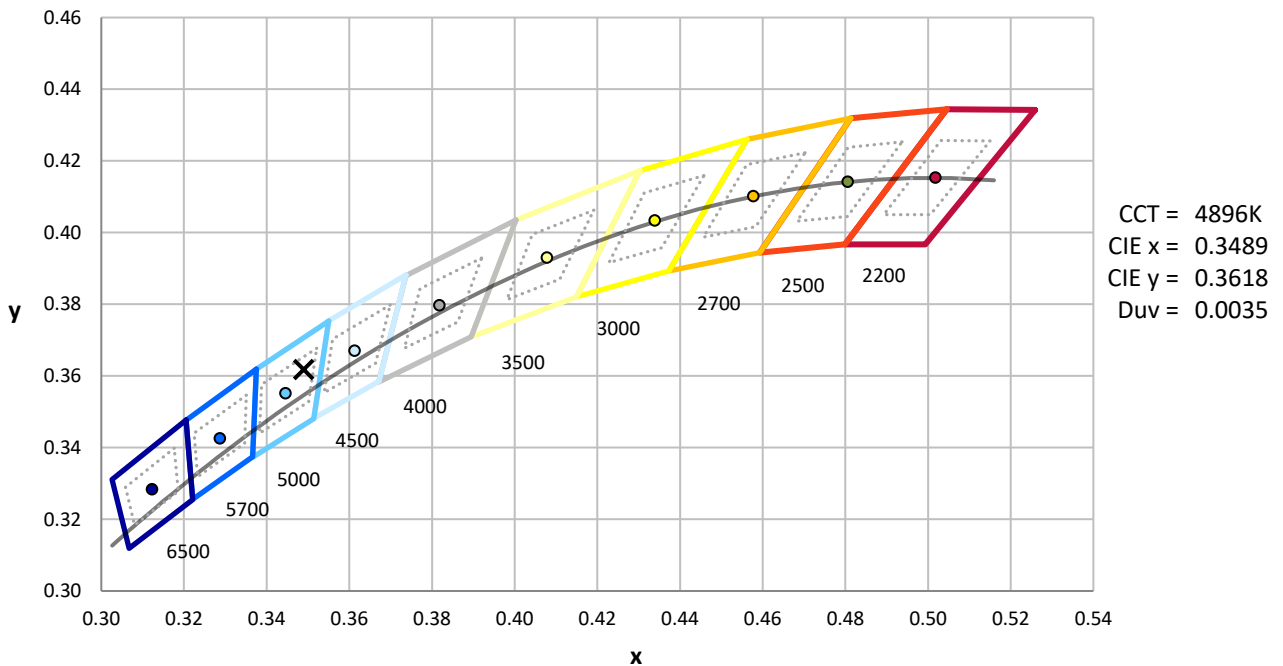
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



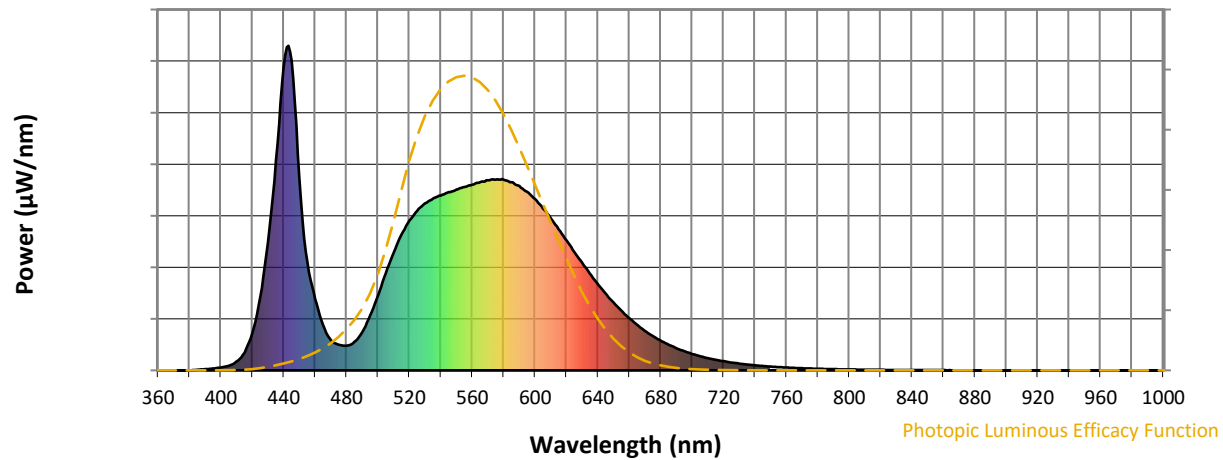
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-6

Photopic Flux vs. Wavelength

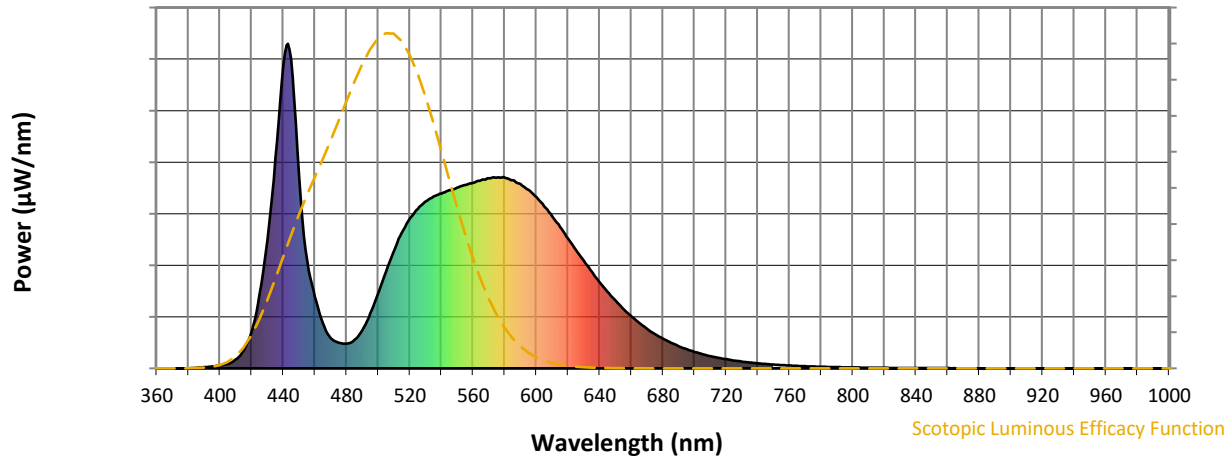


Photopic Lumens: NR

λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-6

Scotopic Flux vs. Wavelength



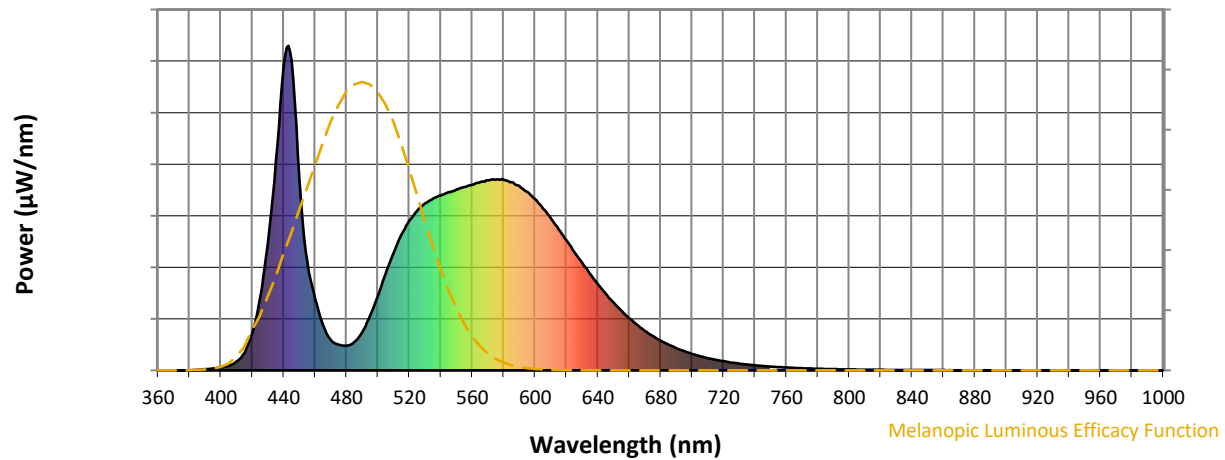
Scotopic Lumens: NR

S/P: 1.7

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	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.37

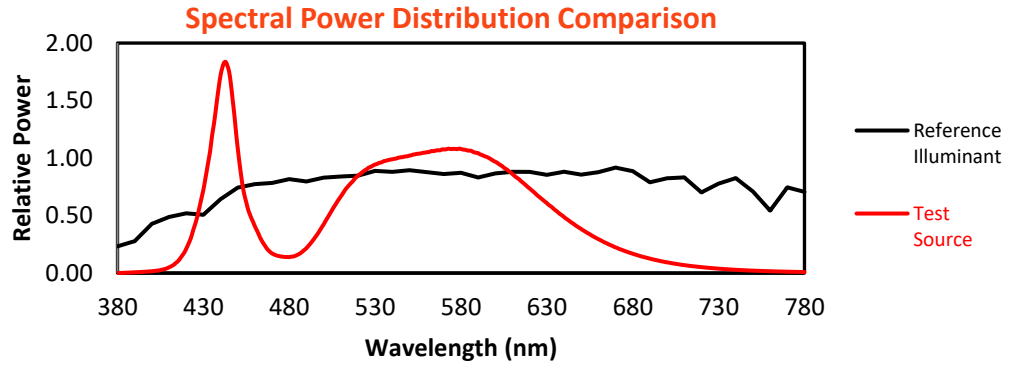
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	118	NR	620	401	NR	750	12	NR	880	0	NR
365	0	NR	495	168	NR	625	365	NR	755	10	NR	885	0	NR
370	0	NR	500	230	NR	630	331	NR	760	9	NR	890	0	NR
375	0	NR	505	299	NR	635	298	NR	765	8	NR	895	0	NR
380	0	NR	510	362	NR	640	266	NR	770	6	NR	900	0	NR
385	2	NR	515	418	NR	645	236	NR	775	6	NR	905	0	NR
390	4	NR	520	461	NR	650	209	NR	780	5	NR	910	0	NR
395	6	NR	525	491	NR	655	184	NR	785	4	NR	915	0	NR
400	9	NR	530	514	NR	660	160	NR	790	4	NR	920	0	NR
405	14	NR	535	530	NR	665	140	NR	795	3	NR	925	0	NR
410	27	NR	540	539	NR	670	122	NR	800	3	NR	930	0	NR
415	55	NR	545	549	NR	675	106	NR	805	2	NR	935	0	NR
420	115	NR	550	557	NR	680	92	NR	810	2	NR	940	0	NR
425	226	NR	555	565	NR	685	79	NR	815	2	NR	945	0	NR
430	395	NR	560	572	NR	690	68	NR	820	2	NR	950	0	NR
435	648	NR	565	580	NR	695	59	NR	825	1	NR	955	0	NR
440	937	NR	570	586	NR	700	51	NR	830	1	NR	960	0	NR
445	953	NR	575	588	NR	705	44	NR	835	1	NR	965	0	NR
450	591	NR	580	588	NR	710	38	NR	840	1	NR	970	0	NR
455	334	NR	585	580	NR	715	32	NR	845	1	NR	975	0	NR
460	221	NR	590	568	NR	720	28	NR	850	1	NR	980	0	NR
465	140	NR	595	550	NR	725	24	NR	855	1	NR	985	0	NR
470	93	NR	600	527	NR	730	21	NR	860	1	NR	990	0	NR
475	79	NR	605	499	NR	735	18	NR	865	0	NR	995	0	NR
480	76	NR	610	469	NR	740	15	NR	870	0	NR	1000	0	NR
485	87	NR	615	435	NR	745	13	NR	875	0	NR			

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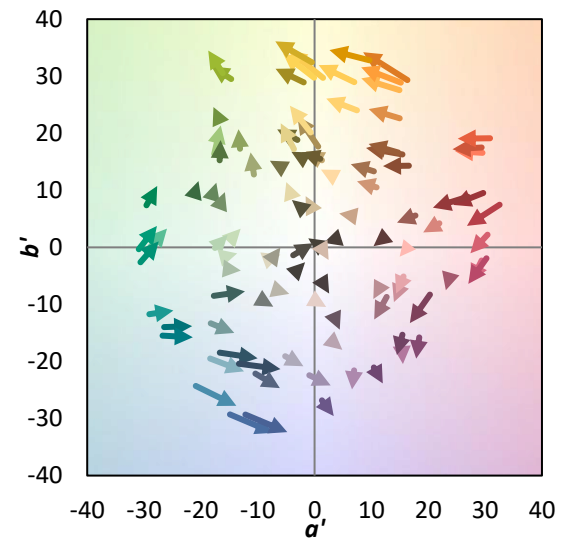
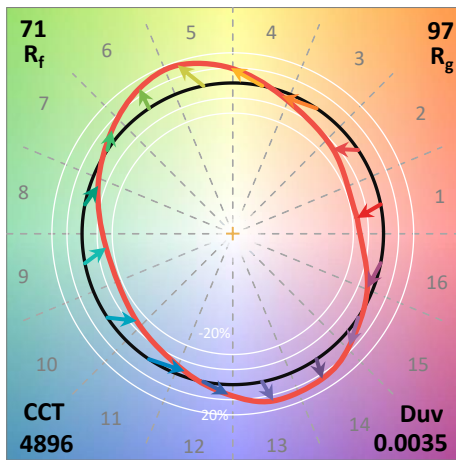
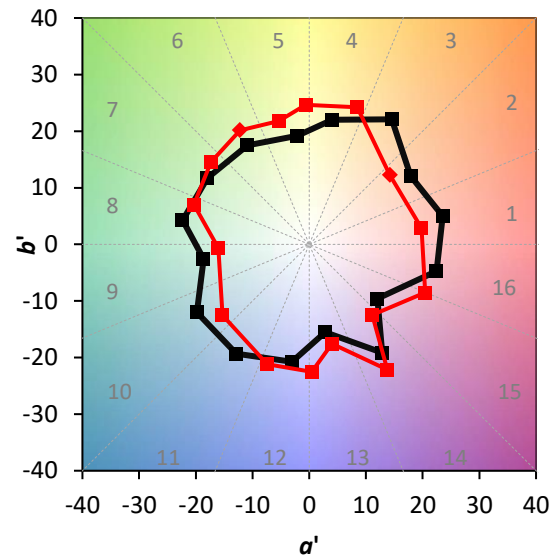
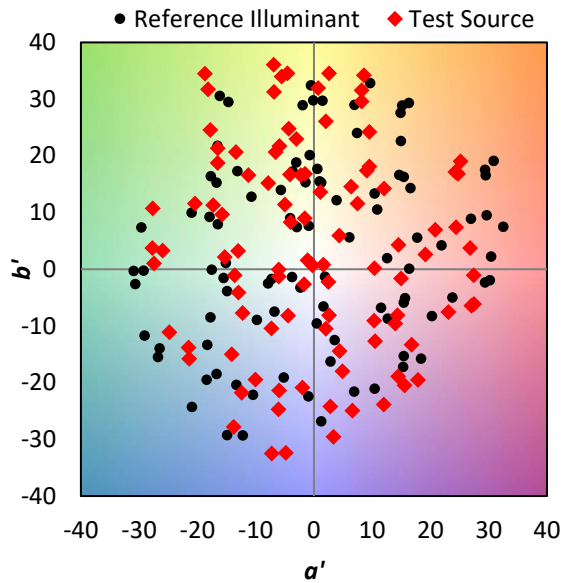
TM-30-18

Summary

$R_f = 70.7$
 $R_g = 96.8$
 $CIE R_a = 70.2$
 $R_g = -35.1$

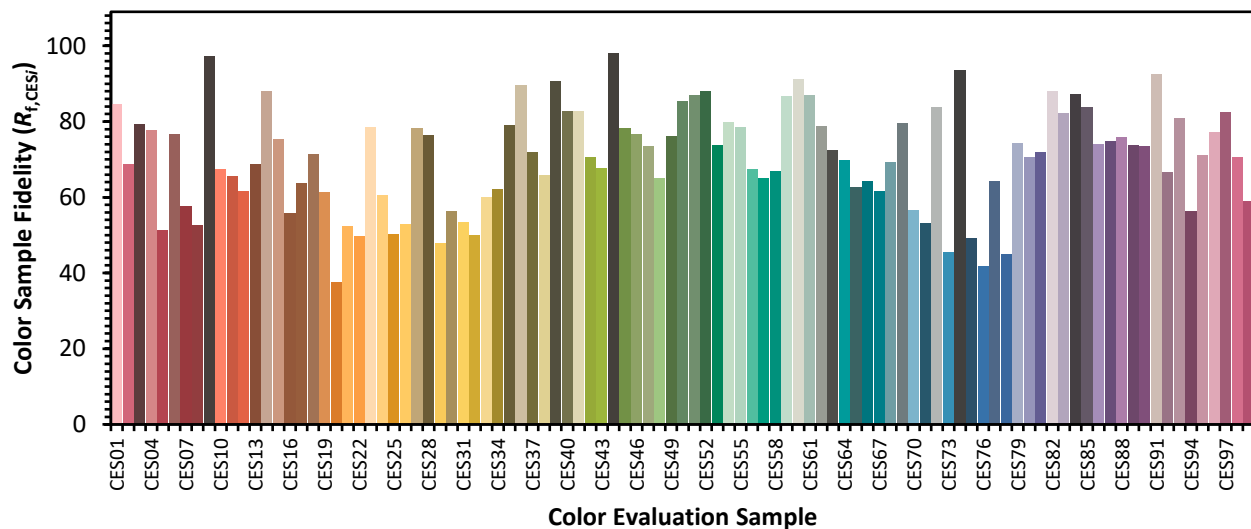


Color Vector Graphics

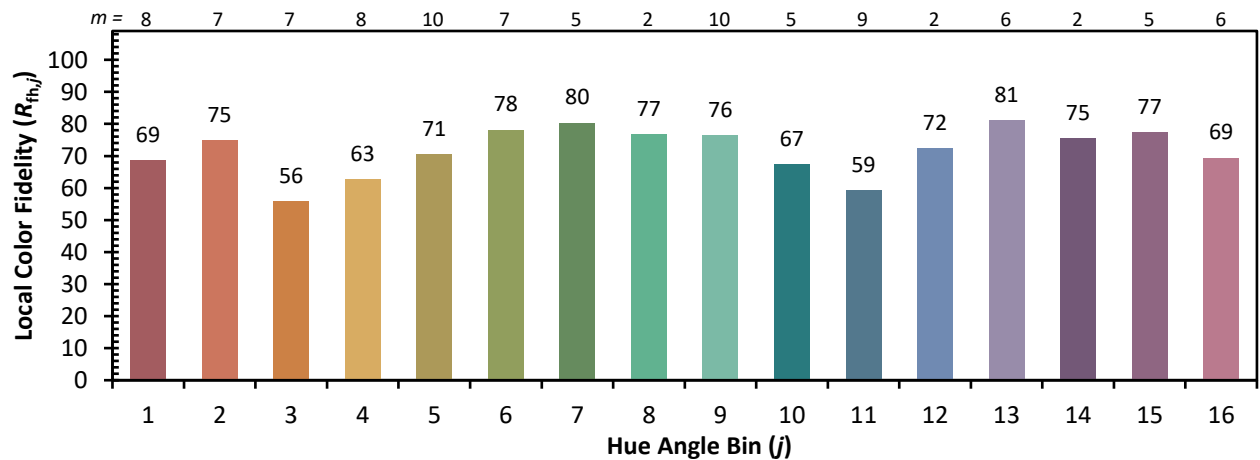
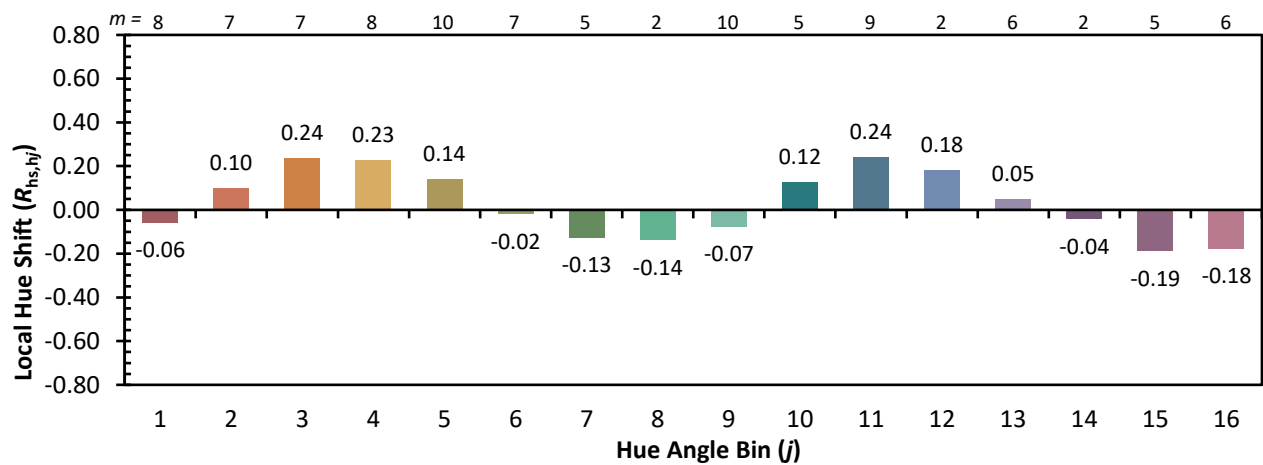
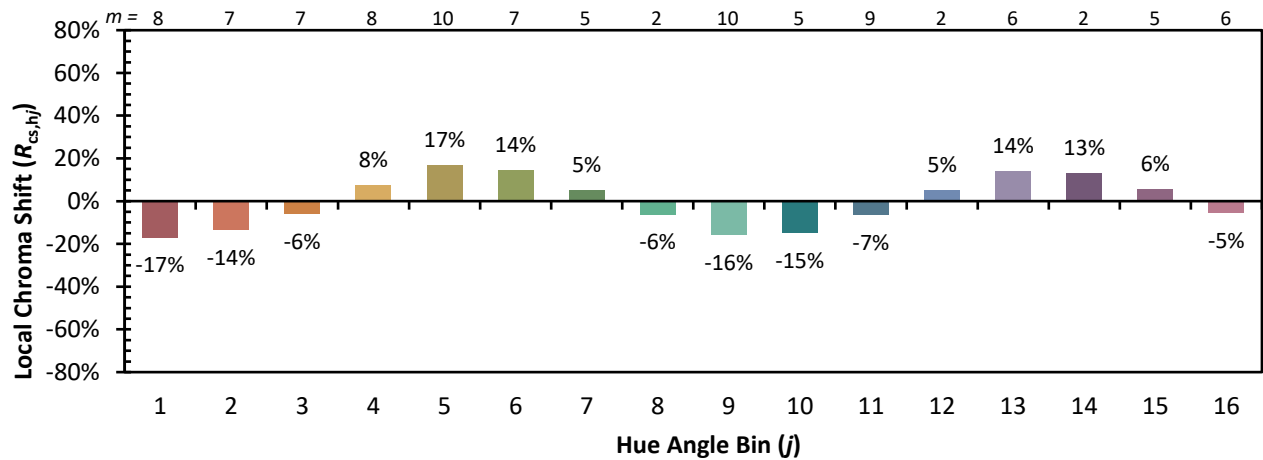


Individual Sample Fidelity Index ($R_{f,i}$)

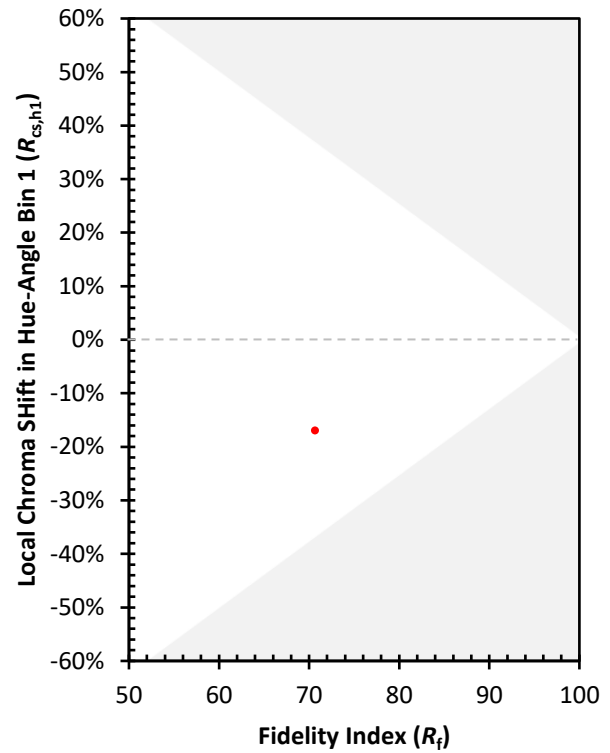
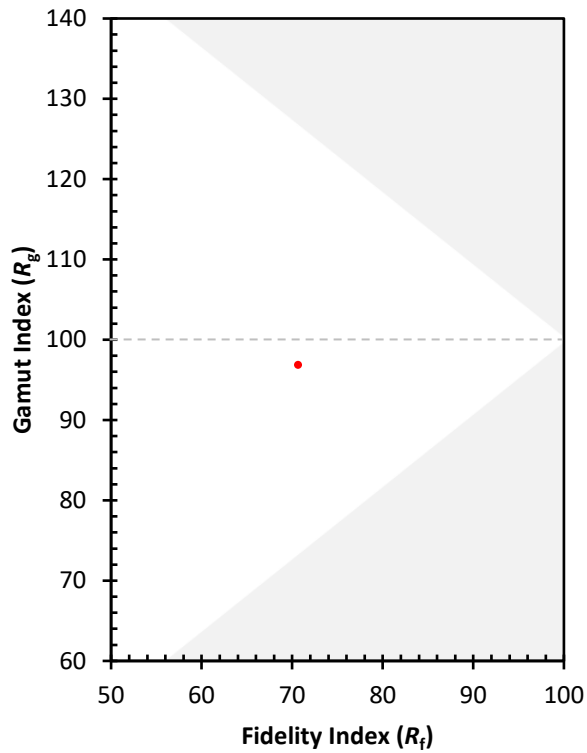
CES01 = 85	CES26 = 53	CES51 = 87	CES76 = 42
CES02 = 59	CES27 = 78	CES52 = 88	CES77 = 64
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 45
CES04 = 69	CES29 = 48	CES54 = 80	CES79 = 74
CES05 = 46	CES30 = 56	CES55 = 79	CES80 = 71
CES06 = 50	CES31 = 54	CES56 = 68	CES81 = 72
CES07 = 39	CES32 = 50	CES57 = 65	CES82 = 88
CES08 = 38	CES33 = 60	CES58 = 67	CES83 = 82
CES09 = 29	CES34 = 62	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 79	CES60 = 91	CES85 = 84
CES11 = 56	CES36 = 90	CES61 = 87	CES86 = 74
CES12 = 61	CES37 = 72	CES62 = 79	CES87 = 75
CES13 = 41	CES38 = 66	CES63 = 72	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 70	CES89 = 74
CES15 = 70	CES40 = 83	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 83	CES66 = 64	CES91 = 92
CES17 = 49	CES42 = 70	CES67 = 62	CES92 = 67
CES18 = 55	CES43 = 68	CES68 = 69	CES93 = 81
CES19 = 71	CES44 = 98	CES69 = 80	CES94 = 56
CES20 = 64	CES45 = 78	CES70 = 56	CES95 = 71
CES21 = 85	CES46 = 77	CES71 = 53	CES96 = 77
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 46	CES98 = 71
CES24 = 90	CES49 = 76	CES74 = 94	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)