

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: P1049623

Luminaire Tested: **GALN-SA5C-735-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049623
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5C-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 5xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24843 lumens
Efficiency: N/A
Efficacy: 105.3 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): 236
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

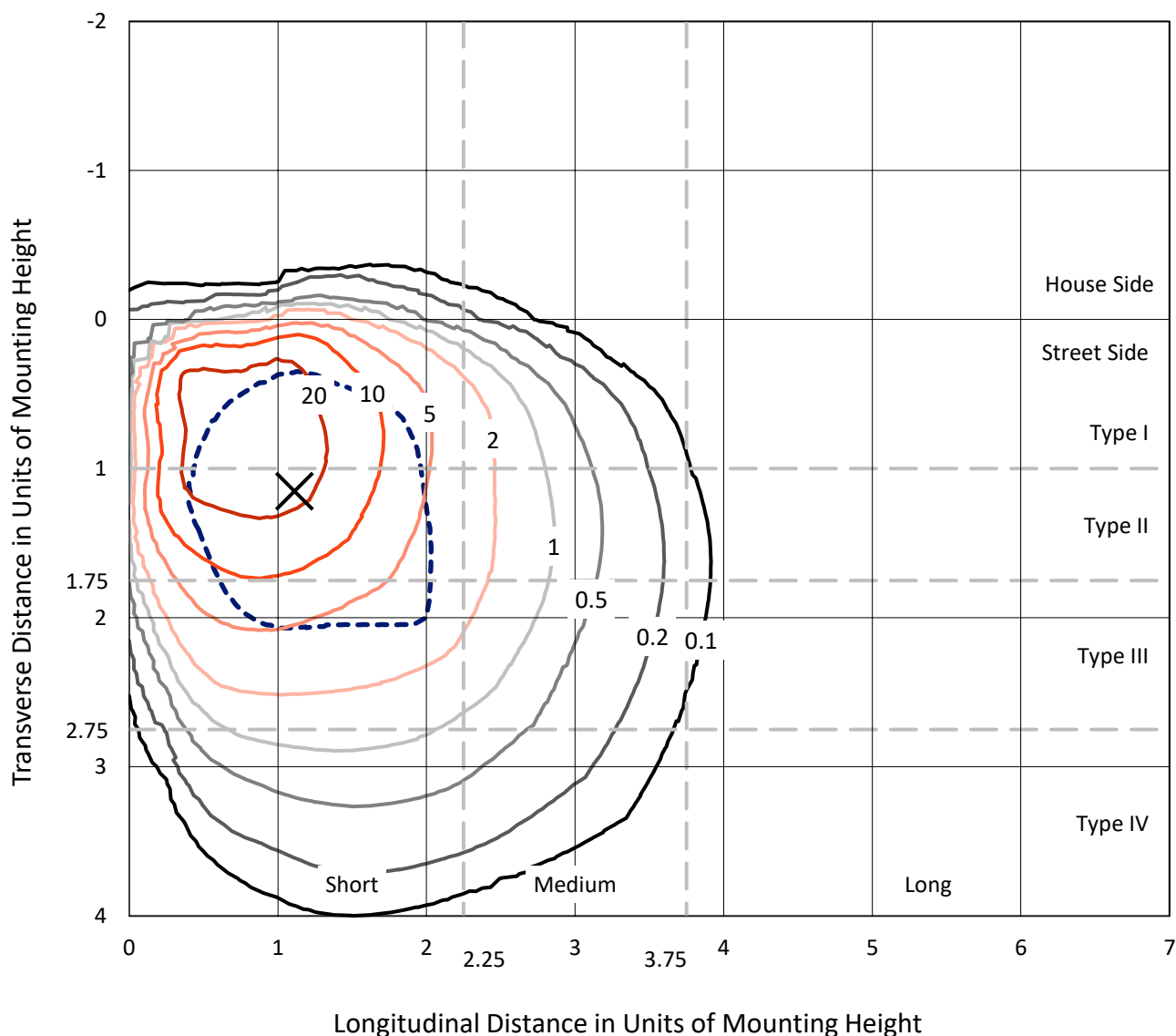
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

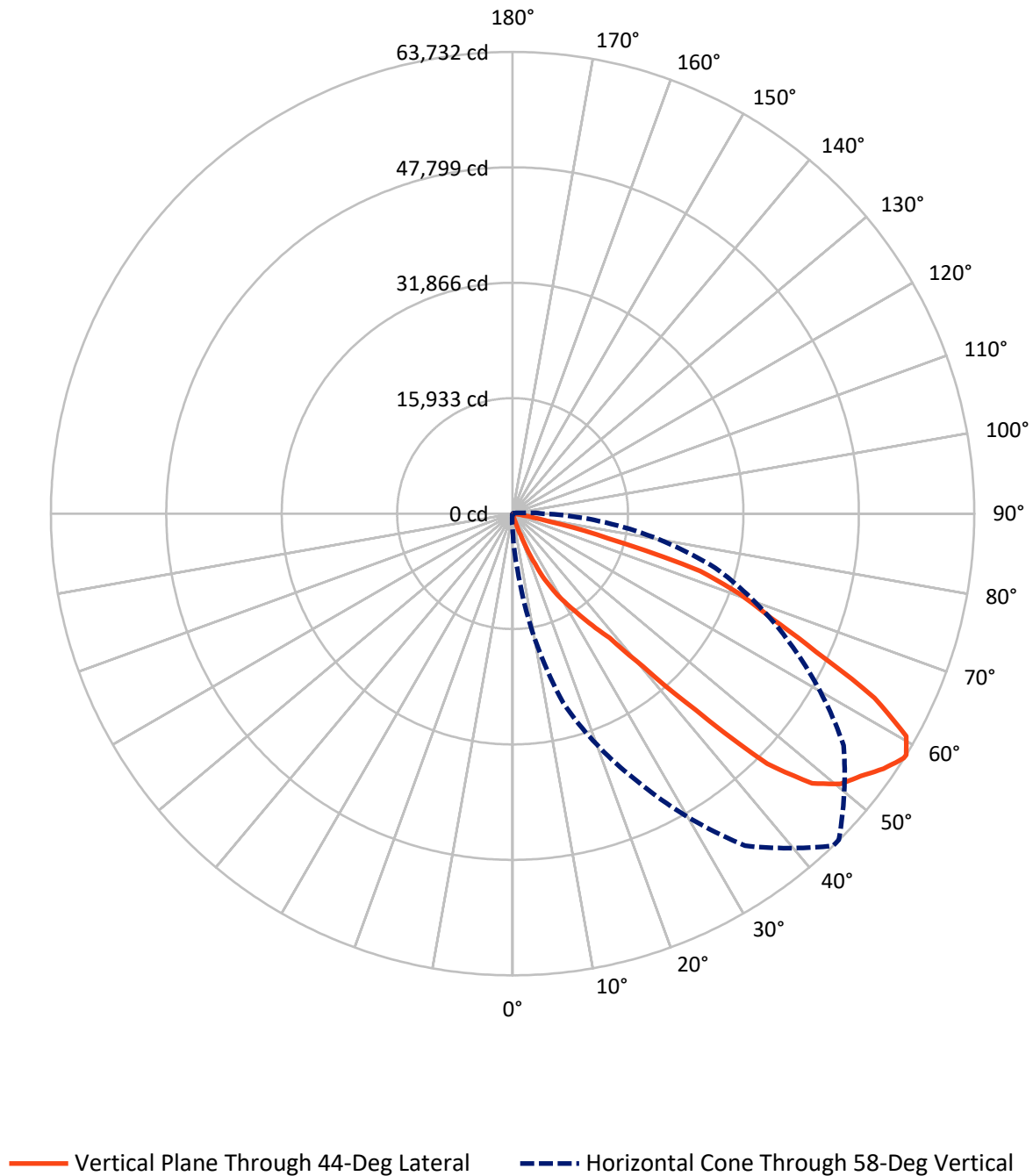


Based on 20 foot mounting height. Maximum calculated value = 43.2 fc

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	169.6	0.0	169.6
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	24673.4	0.0	24673.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	24843.0	0.0	24843.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.0
10°-20°	54.5	0.2
20°-30°	588.5	2.4
30°-40°	1740.5	7.0
40°-50°	5187.6	20.9
50°-60°	8231.5	33.1
60°-70°	6866.0	27.6
70°-80°	2117.6	8.5
80°-90°	47.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	24843.0	100.0
0°-180°	24843.0	100.0



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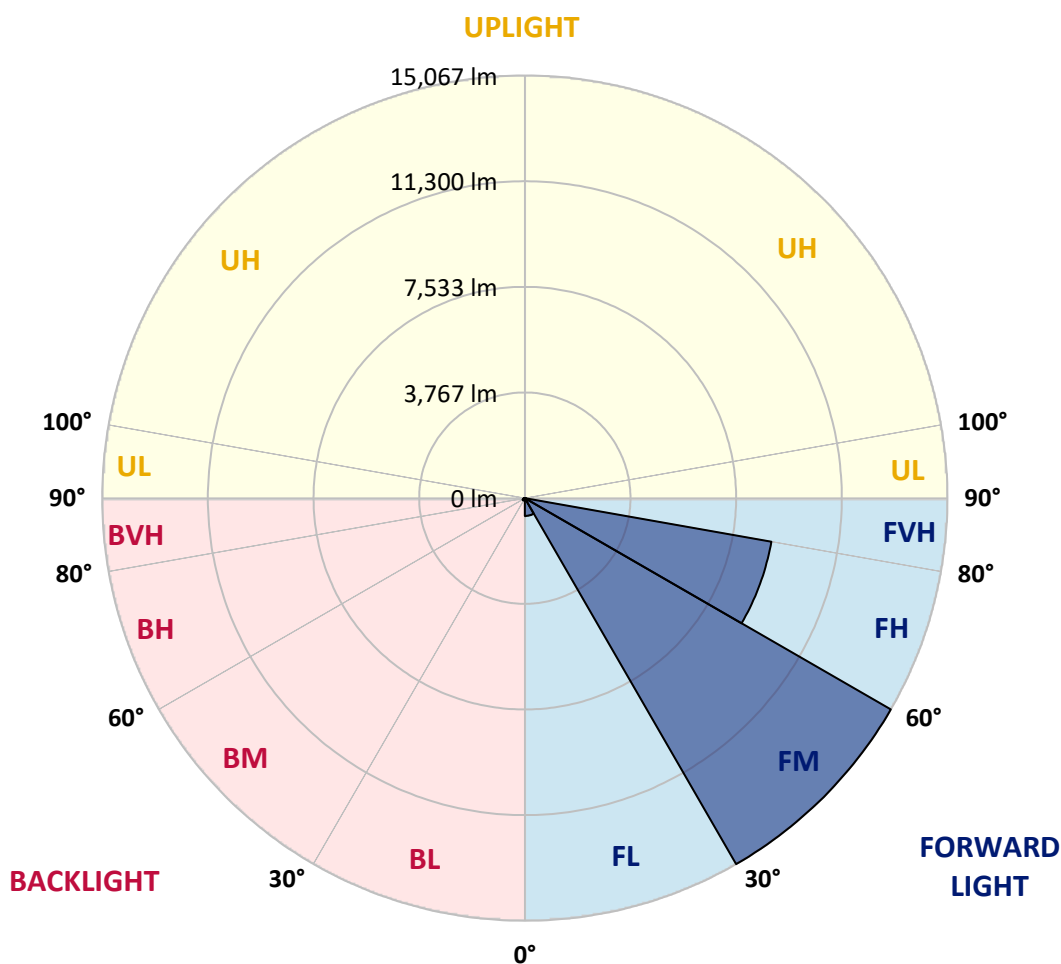
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	636.1	2.6			
FM	(30°-60°)	15066.8	60.6			
FH	(60°-80°)	8925.7	35.9			G4/12000
FVH	(80°-90°)	44.8	0.2			G1/100
BL	(0°-30°)	16.6	0.1	B0/110		
BM	(30°-60°)	92.8	0.4	B0/220		
BH	(60°-80°)	57.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
2.5°	140.8	140.8	135.1	127.6	120.1	112.6	110.7	107.0	105.1	103.2
5°	146.4	146.4	144.5	138.9	131.4	125.7	125.7	120.1	116.4	112.6
7.5°	150.1	152.0	155.8	153.9	150.1	144.5	144.5	140.8	135.1	125.7
10°	155.8	161.4	168.9	172.7	174.5	174.5	172.7	170.8	161.4	148.3
12.5°	161.4	172.7	191.4	210.2	221.4	236.5	234.6	230.8	206.4	178.3
15°	172.7	189.5	229.0	283.4	367.8	420.4	441.0	422.3	341.6	240.2
17.5°	185.8	213.9	332.2	593.0	972.1	1152.3	1261.1	1172.9	776.9	456.0
20°	198.9	260.9	617.4	1537.0	2522.3	3111.5	3274.8	3019.6	1938.6	868.9
22.5°	221.4	366.0	1251.7	3177.2	5434.9	6318.8	6485.8	5669.4	3661.4	1715.3
25°	268.4	531.1	2158.2	5177.8	8111.0	9603.0	9533.5	8463.8	5939.7	2739.9
27.5°	335.9	773.2	3263.5	7356.6	10674.5	11990.1	12147.7	10824.7	7917.7	4029.2
30°	433.5	1071.6	4449.6	9101.9	12729.5	14152.0	14178.3	12810.2	9687.4	5160.9
32.5°	527.3	1353.1	5487.4	10789.0	14754.4	16313.9	16430.3	14746.9	11008.6	6339.4
35°	598.7	1537.0	6538.3	12271.6	16796.3	18945.0	18937.5	16938.9	12573.7	7392.2
37.5°	604.3	1720.9	7489.8	13787.9	19382.3	21788.2	22026.6	19823.3	14465.4	8694.6
40°	591.2	1927.3	8694.6	16152.6	24042.1	27733.5	27943.7	25166.2	18260.1	10924.1
42.5°	606.2	2285.8	10650.1	20519.6	31779.6	37081.2	37486.6	34566.5	25235.7	15473.2
45°	685.0	2959.5	14746.9	27825.5	42808.9	49272.1	49137.0	44931.4	33352.3	22398.1
47.5°	945.8	4609.1	20819.8	34936.2	49857.7	55613.4	55729.8	50589.6	38089.0	27722.3
50°	1454.4	7052.5	25922.5	38695.2	52888.5	58663.0	58554.2	52614.5	39888.8	30344.0
52.5°	1891.7	8820.4	28482.3	40014.5	53277.0	60170.0	60162.5	53147.5	40168.4	30569.2
55°	2000.5	8953.6	28503.0	40085.8	54147.7	62142.4	62390.1	54459.3	40530.6	29585.8
57.5°	1957.4	7927.1	27313.1	40498.7	55697.9	63668.1	63681.3	55729.8	41450.2	28983.4
58°	1919.8	7765.7	27072.9	40733.3	55964.4	63731.9	63700.0	55788.0	42198.9	28960.9
60°	1709.7	6742.9	26136.5	41331.9	55568.4	62422.0	62123.6	54517.4	42088.2	28730.0
62.5°	1343.7	5260.3	25215.0	40639.4	51323.3	56080.7	56204.6	48266.2	38368.6	27384.5
65°	1069.7	3920.4	23293.3	35647.5	42262.8	46053.6	46515.3	39248.8	32025.5	23188.2
67.5°	852.0	2833.8	19540.0	28381.0	33442.4	38436.2	38772.1	32952.6	24811.5	17766.5
70°	692.5	1916.1	13487.7	20756.0	27583.4	33198.4	33219.0	27375.1	18519.0	11641.0
72.5°	613.7	1326.8	7829.5	15137.3	22366.2	27052.3	26506.2	22214.2	14232.7	6894.9
75°	531.1	880.2	3839.7	9253.9	13560.9	13652.8	13861.1	10304.8	7114.5	3278.6
77.5°	437.3	624.9	1512.6	2527.9	4066.8	5205.9	5399.2	4091.2	2366.5	807.0
80°	300.3	296.5	407.2	775.1	1163.5	1458.2	1360.6	1052.8	619.3	309.7
82.5°	129.5	140.8	183.9	221.4	180.2	174.5	167.0	107.0	82.6	63.8
85°	41.3	37.5	39.4	39.4	31.9	24.4	24.4	11.3	0.0	0.0
87.5°	20.6	16.9	16.9	15.0	9.4	3.8	1.9	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°
108.8	0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
101.3	2.5°	99.5	99.5	95.7	92.0	90.1	86.3	84.5	82.6	80.7	78.8
108.8	5°	105.1	103.2	97.6	92.0	86.3	80.7	76.9	73.2	69.4	67.6
120.1	7.5°	114.5	110.7	99.5	90.1	82.6	75.1	71.3	65.7	61.9	56.3
133.2	10°	125.7	118.2	103.2	92.0	80.7	71.3	65.7	60.1	54.4	46.9
152.0	12.5°	140.8	127.6	108.8	90.1	76.9	65.7	60.1	52.5	46.9	41.3
176.4	15°	153.9	137.0	110.7	90.1	73.2	60.1	52.5	45.0	39.4	31.9
221.4	17.5°	172.7	144.5	108.8	84.5	67.6	52.5	45.0	39.4	30.0	18.8
328.4	20°	204.6	150.1	105.1	78.8	58.2	43.2	33.8	26.3	13.1	3.8
493.6	22.5°	255.2	165.1	101.3	71.3	50.7	33.8	22.5	9.4	0.0	0.0
750.7	25°	352.8	191.4	101.3	67.6	45.0	24.4	7.5	0.0	0.0	0.0
1066.0	27.5°	469.2	227.1	101.3	58.2	35.7	13.1	0.0	0.0	0.0	0.0
1452.5	30°	587.4	266.5	101.3	50.7	28.2	1.9	0.0	0.0	0.0	0.0
1788.5	32.5°	700.0	300.3	103.2	43.2	18.8	0.0	0.0	0.0	0.0	0.0
2253.9	35°	814.5	305.9	101.3	37.5	11.3	0.0	0.0	0.0	0.0	0.0
2824.4	37.5°	960.9	294.6	95.7	33.8	5.6	0.0	0.0	0.0	0.0	0.0
3715.8	40°	1182.3	300.3	90.1	31.9	1.9	0.0	0.0	0.0	0.0	0.0
5305.4	42.5°	1591.4	324.7	82.6	31.9	0.0	0.0	0.0	0.0	0.0	0.0
8450.7	45°	2751.2	435.4	75.1	33.8	0.0	0.0	0.0	0.0	0.0	0.0
12686.3	47.5°	4550.9	782.6	73.2	33.8	0.0	0.0	0.0	0.0	0.0	0.0
15281.8	50°	5808.3	985.3	76.9	35.7	0.0	0.0	0.0	0.0	0.0	0.0
15606.4	52.5°	5798.9	1097.9	80.7	37.5	7.5	0.0	0.0	0.0	0.0	0.0
14384.7	55°	5155.2	1118.5	86.3	41.3	24.4	0.0	0.0	0.0	0.0	0.0
12361.7	57.5°	4308.8	1020.9	99.5	50.7	45.0	0.0	0.0	0.0	0.0	0.0
12044.5	58°	4158.7	975.9	103.2	52.5	48.8	0.0	0.0	0.0	0.0	0.0
10447.5	60°	3408.0	795.7	131.4	65.7	65.7	0.0	0.0	0.0	0.0	0.0
8565.2	62.5°	2353.4	694.4	150.1	84.5	67.6	0.0	0.0	0.0	0.0	0.0
6315.0	65°	1664.6	626.8	163.3	90.1	54.4	0.0	0.0	0.0	0.0	0.0
4487.1	67.5°	1244.2	578.0	180.2	92.0	28.2	0.0	0.0	0.0	0.0	0.0
2815.0	70°	953.4	542.4	221.4	97.6	7.5	0.0	0.0	0.0	0.0	0.0
1677.7	72.5°	776.9	501.1	268.4	101.3	0.0	0.0	0.0	0.0	0.0	0.0
1005.9	75°	643.7	452.3	259.0	110.7	0.0	0.0	0.0	0.0	0.0	0.0
536.7	77.5°	427.9	350.9	236.5	110.7	0.0	0.0	0.0	0.0	0.0	0.0
191.4	80°	150.1	138.9	183.9	97.6	0.0	0.0	0.0	0.0	0.0	0.0
39.4	82.5°	22.5	18.8	26.3	33.8	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°
108.8	0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
76.9	2.5°	76.9	76.9	75.1	76.9	76.9	80.7	90.1	103.2	118.2	123.9
65.7	5°	63.8	61.9	60.1	60.1	60.1	65.7	73.2	88.2	105.1	112.6
54.4	7.5°	52.5	50.7	48.8	46.9	46.9	50.7	60.1	76.9	93.8	101.3
45.0	10°	43.2	39.4	37.5	35.7	35.7	39.4	48.8	65.7	84.5	92.0
37.5	12.5°	35.7	30.0	26.3	24.4	22.5	28.2	37.5	52.5	73.2	82.6
28.2	15°	24.4	18.8	13.1	11.3	9.4	15.0	24.4	41.3	61.9	73.2
15.0	17.5°	13.1	5.6	1.9	0.0	0.0	3.8	11.3	30.0	50.7	60.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	37.5	46.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	22.5	31.9
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.4	16.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	5.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	15.0
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):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
108.8	0°	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8	108.8
129.5	2.5°	133.2	131.4	127.6	123.9	123.9	123.9	129.5	135.1	140.8	140.8
116.4	5°	123.9	123.9	122.0	118.2	118.2	120.1	127.6	137.0	144.5	146.4
107.0	7.5°	114.5	118.2	114.5	112.6	114.5	116.4	123.9	135.1	146.4	150.1
99.5	10°	108.8	110.7	110.7	108.8	108.8	112.6	120.1	135.1	150.1	155.8
90.1	12.5°	101.3	105.1	103.2	103.2	103.2	107.0	116.4	133.2	153.9	161.4
80.7	15°	93.8	99.5	99.5	97.6	97.6	99.5	112.6	131.4	159.5	172.7
69.4	17.5°	86.3	92.0	93.8	90.1	90.1	93.8	107.0	131.4	163.3	185.8
56.3	20°	71.3	80.7	86.3	80.7	80.7	84.5	97.6	123.9	165.1	198.9
41.3	22.5°	56.3	65.7	73.2	71.3	71.3	73.2	90.1	118.2	167.0	221.4
24.4	25°	41.3	50.7	56.3	60.1	60.1	65.7	82.6	114.5	174.5	268.4
11.3	27.5°	24.4	35.7	43.2	46.9	48.8	56.3	76.9	110.7	187.7	335.9
0.0	30°	11.3	20.6	30.0	37.5	37.5	50.7	71.3	107.0	204.6	433.5
0.0	32.5°	0.0	9.4	15.0	26.3	28.2	41.3	65.7	103.2	229.0	527.3
0.0	35°	0.0	0.0	7.5	20.6	20.6	33.8	60.1	99.5	266.5	598.7
0.0	37.5°	0.0	0.0	0.0	15.0	16.9	30.0	58.2	97.6	274.0	604.3
0.0	40°	0.0	0.0	0.0	11.3	13.1	28.2	58.2	99.5	247.7	591.2
0.0	42.5°	0.0	0.0	0.0	7.5	9.4	28.2	58.2	103.2	223.3	606.2
0.0	45°	0.0	0.0	0.0	5.6	7.5	30.0	56.3	101.3	210.2	685.0
0.0	47.5°	0.0	0.0	0.0	7.5	11.3	30.0	54.4	99.5	212.1	945.8
0.0	50°	0.0	0.0	0.0	9.4	13.1	30.0	56.3	95.7	232.7	1454.4
0.0	52.5°	0.0	0.0	0.0	7.5	11.3	33.8	61.9	93.8	253.4	1891.7
0.0	55°	0.0	0.0	0.0	1.9	5.6	43.2	67.6	93.8	285.3	2000.5
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	48.8	76.9	99.5	337.8	1957.4
0.0	58°	0.0	0.0	0.0	0.0	0.0	48.8	78.8	99.5	341.6	1919.8
0.0	60°	0.0	0.0	0.0	0.0	0.0	48.8	86.3	110.7	367.8	1709.7
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	41.3	103.2	138.9	382.8	1343.7
0.0	65°	0.0	0.0	0.0	0.0	0.0	33.8	122.0	152.0	394.1	1069.7
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	31.9	125.7	153.9	399.7	852.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	33.8	123.9	165.1	418.5	692.5
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	37.5	112.6	182.0	418.5	613.7
0.0	75°	0.0	0.0	0.0	0.0	0.0	39.4	105.1	204.6	381.0	531.1
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	37.5	103.2	238.3	339.7	437.3
0.0	80°	3.8	5.6	5.6	3.8	3.8	31.9	101.3	242.1	289.0	300.3
1.9	82.5°	11.3	15.0	13.1	9.4	9.4	28.2	90.1	202.7	150.1	129.5
11.3	85°	20.6	24.4	24.4	20.6	20.6	26.3	56.3	73.2	50.7	41.3
20.6	87.5°	28.2	31.9	31.9	28.2	28.2	26.3	24.4	22.5	20.6	20.6
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

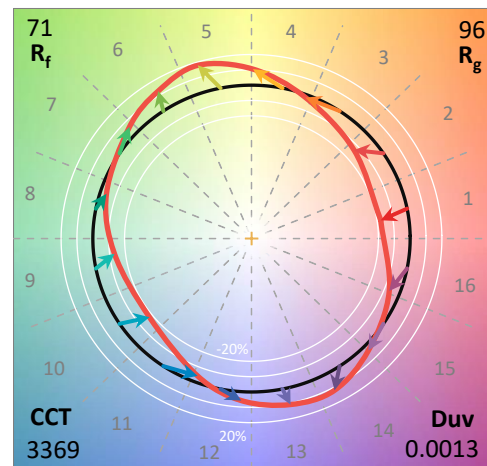
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

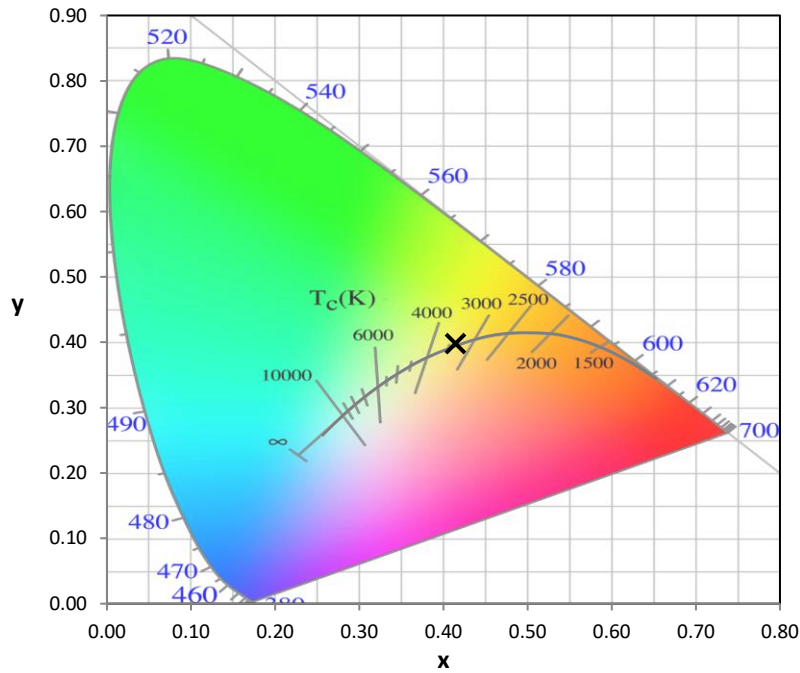
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

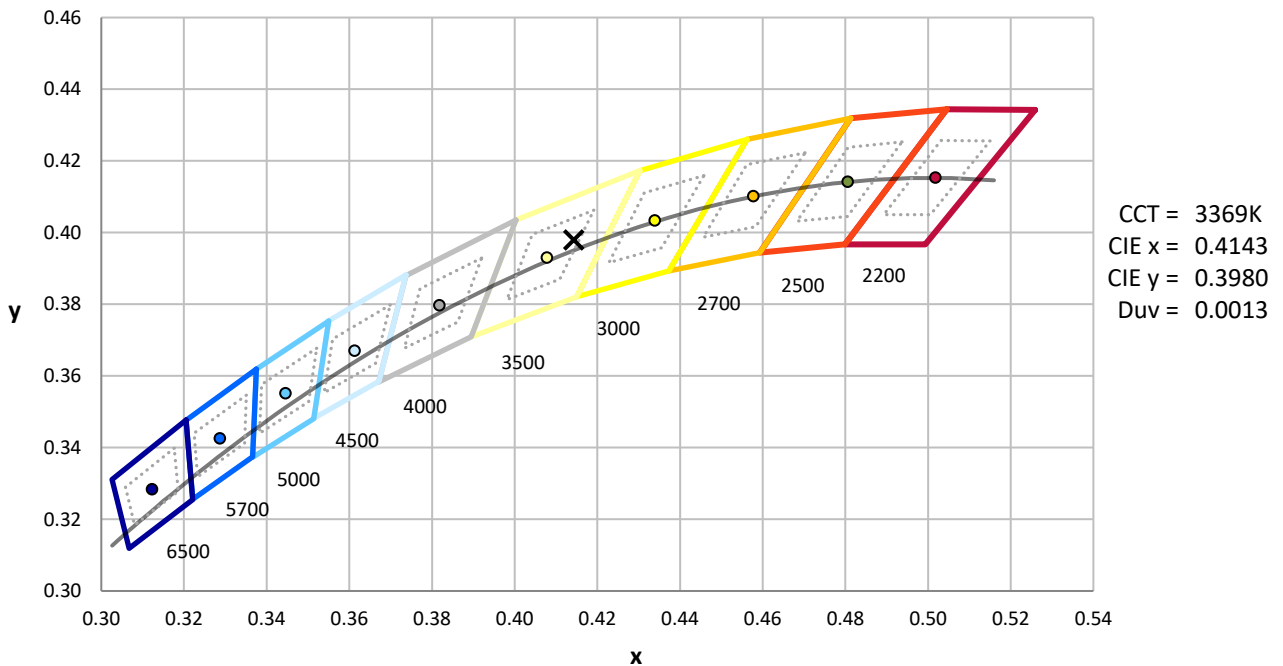
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



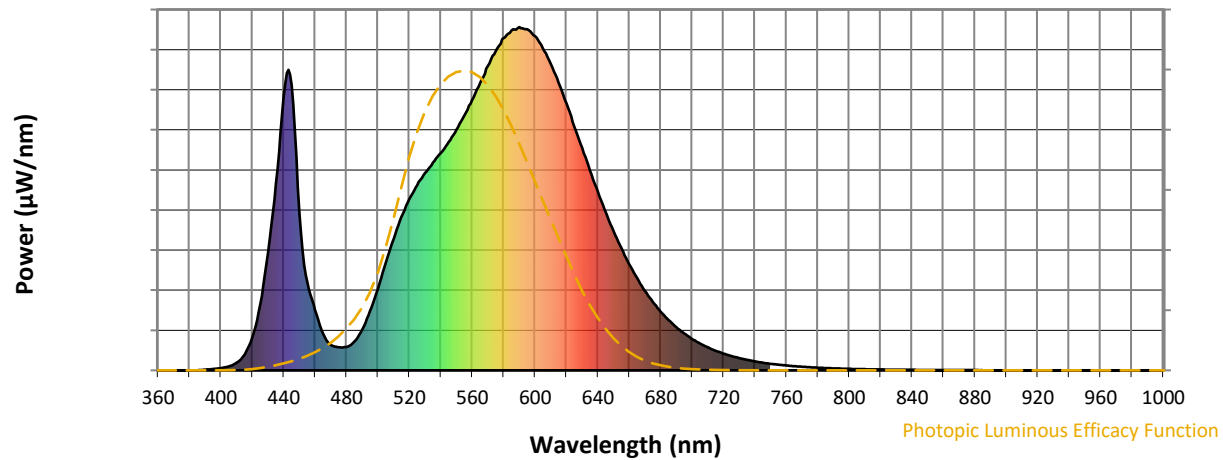
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

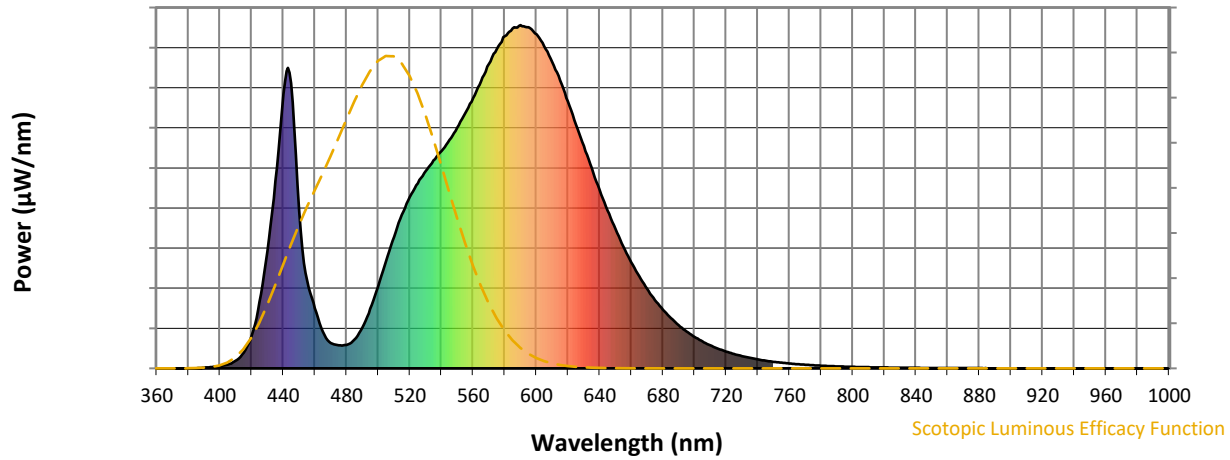


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



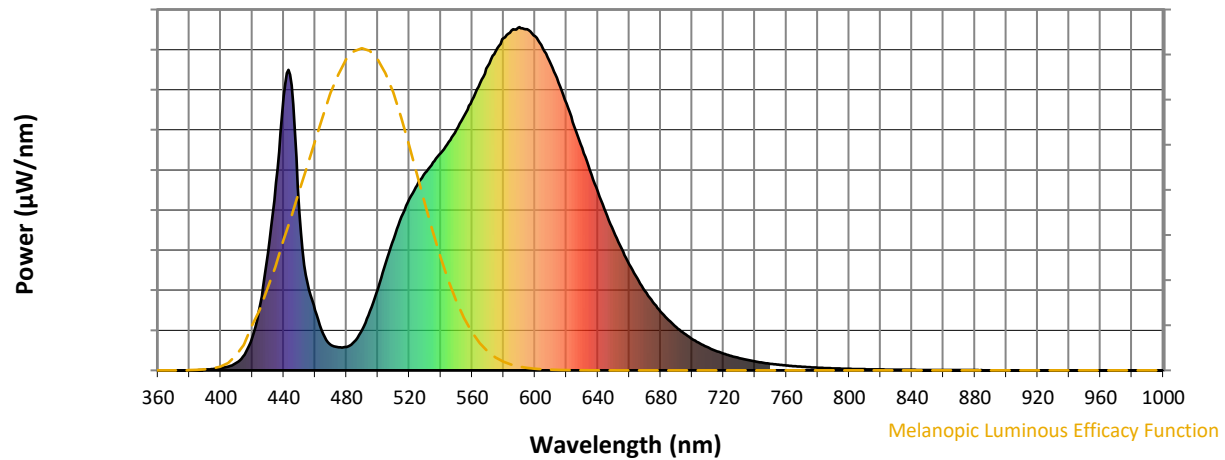
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.36

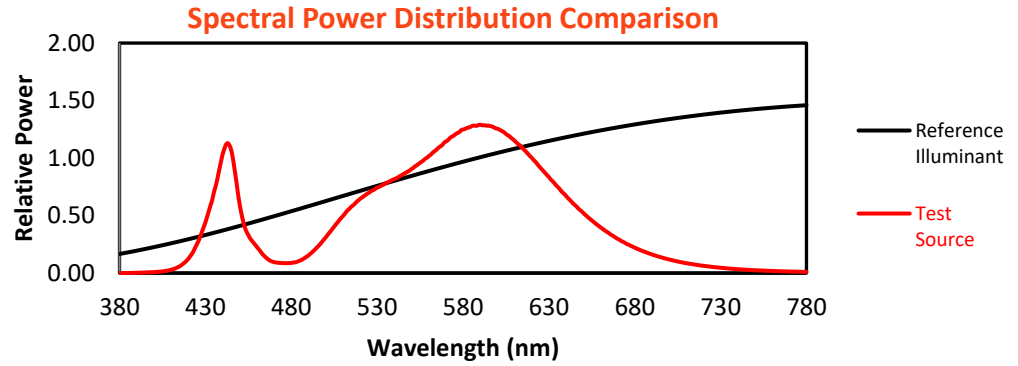
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

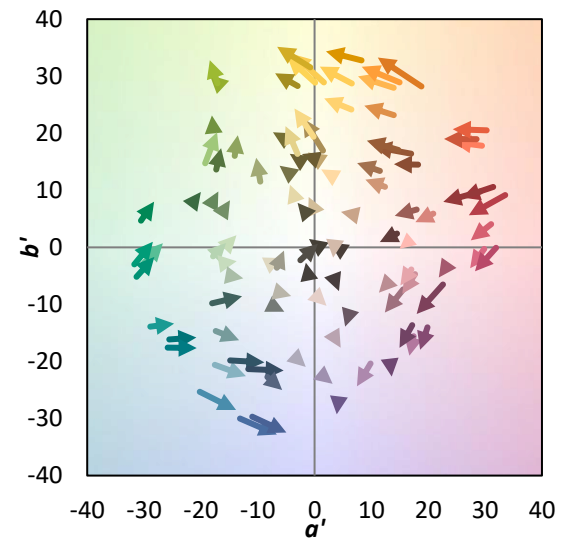
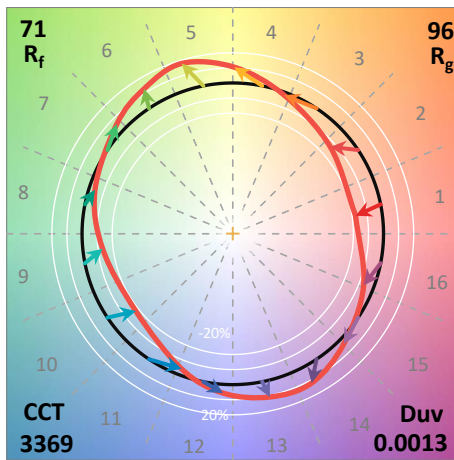
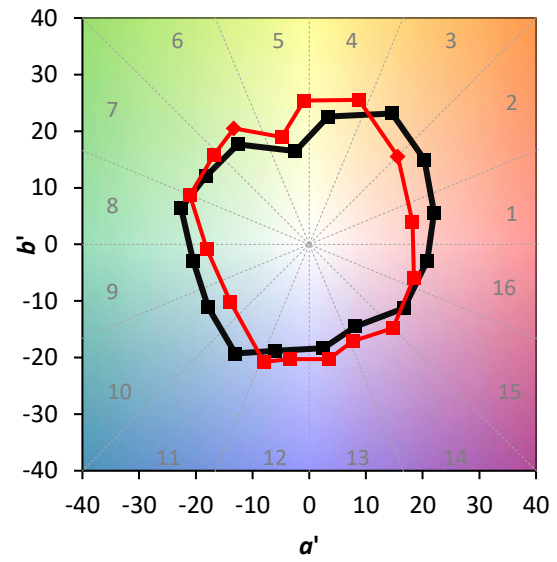
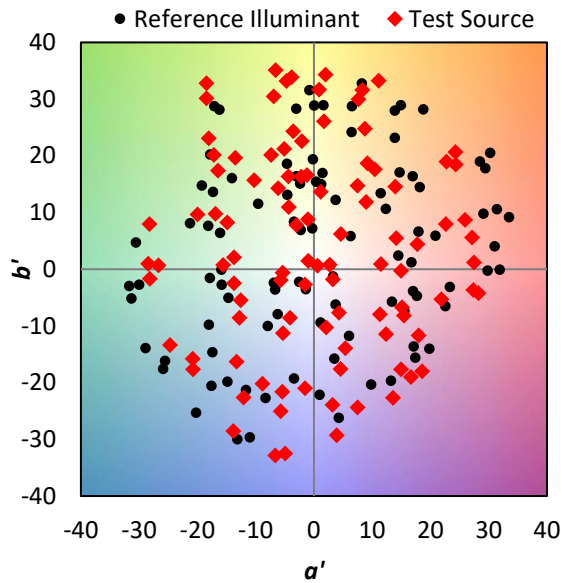
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 $CIE R_a = 70.1$
 $R_g = -40.2$

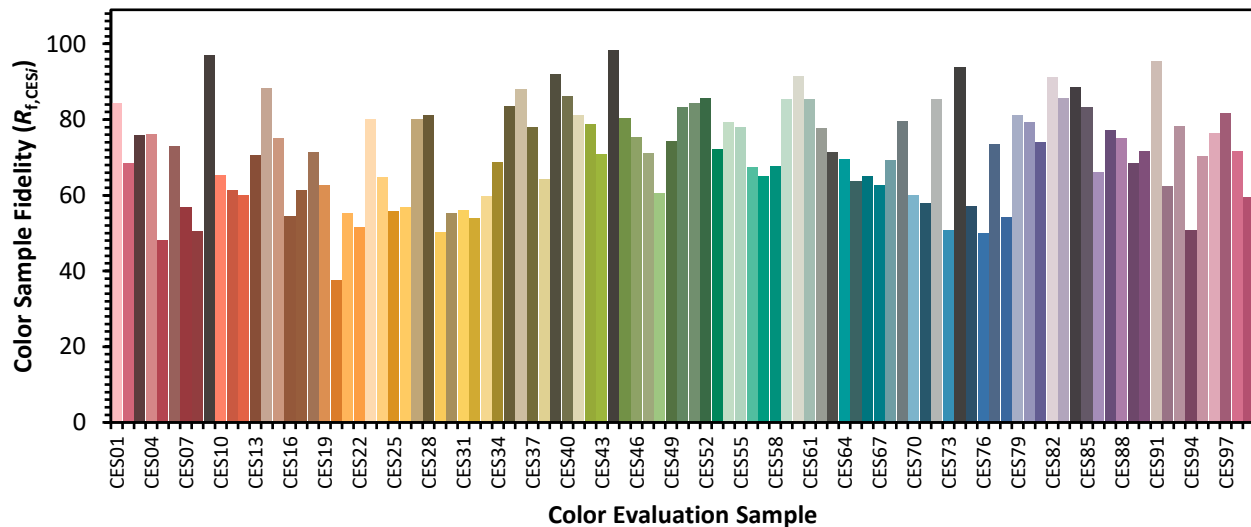


Color Vector Graphics

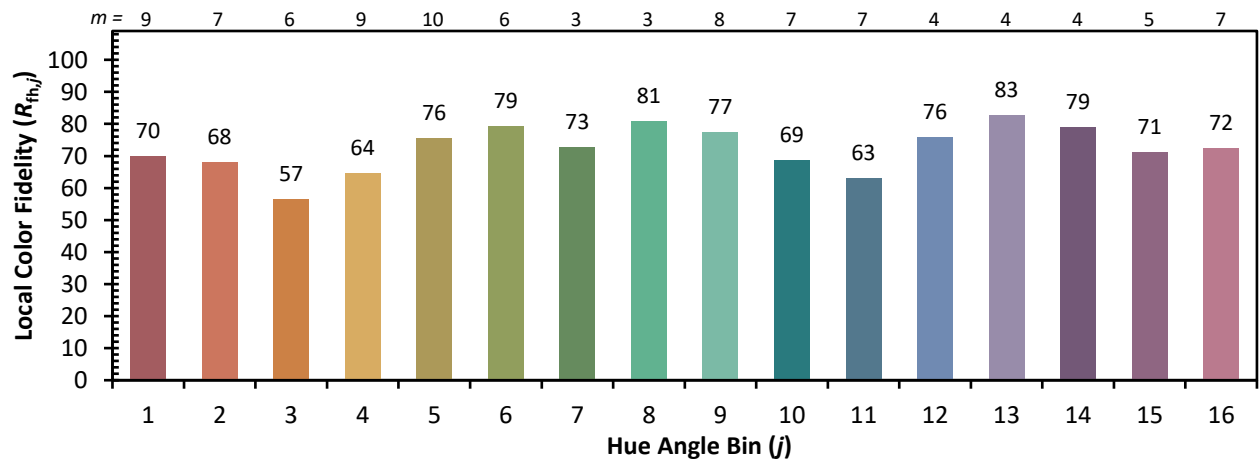
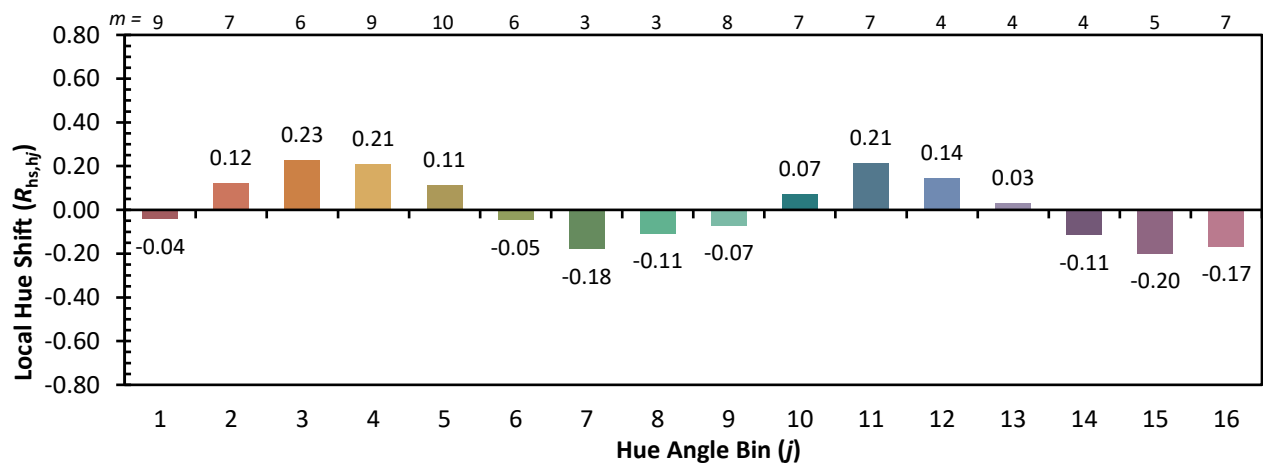
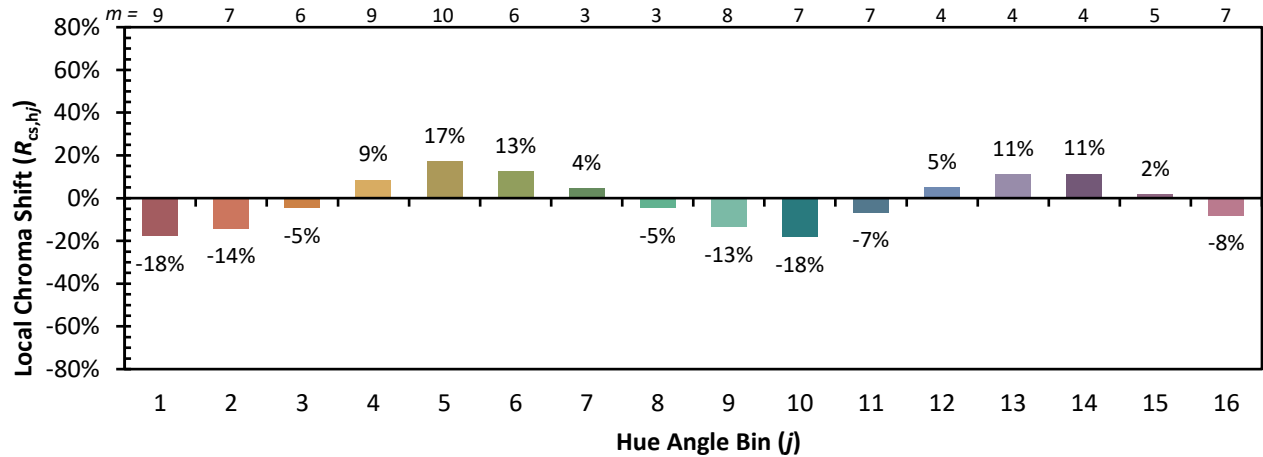


Individual Sample Fidelity Index ($R_{f,i}$)

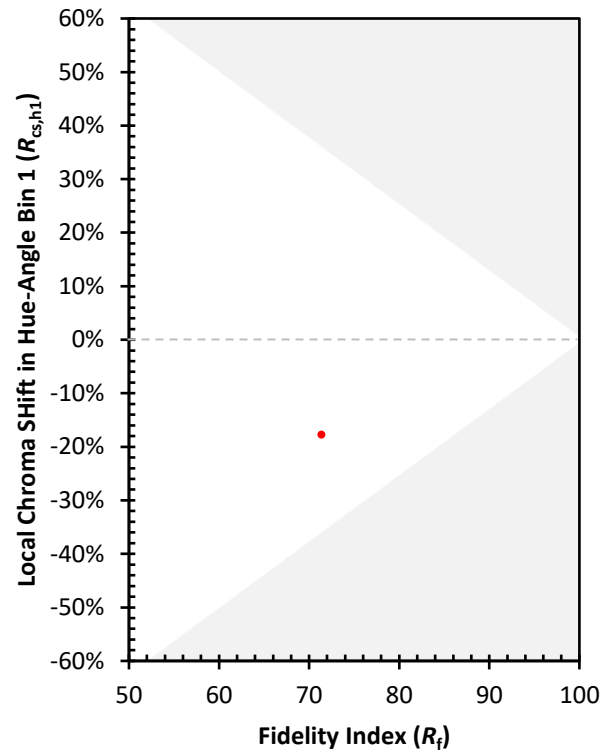
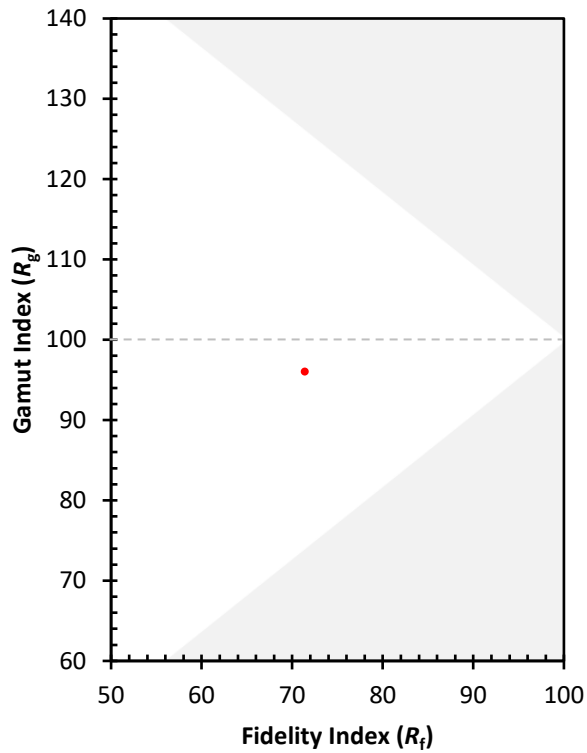
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)