

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: P1049630

Luminaire Tested: **GALN-SA7B-735-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049630
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 7xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (98) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28019 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

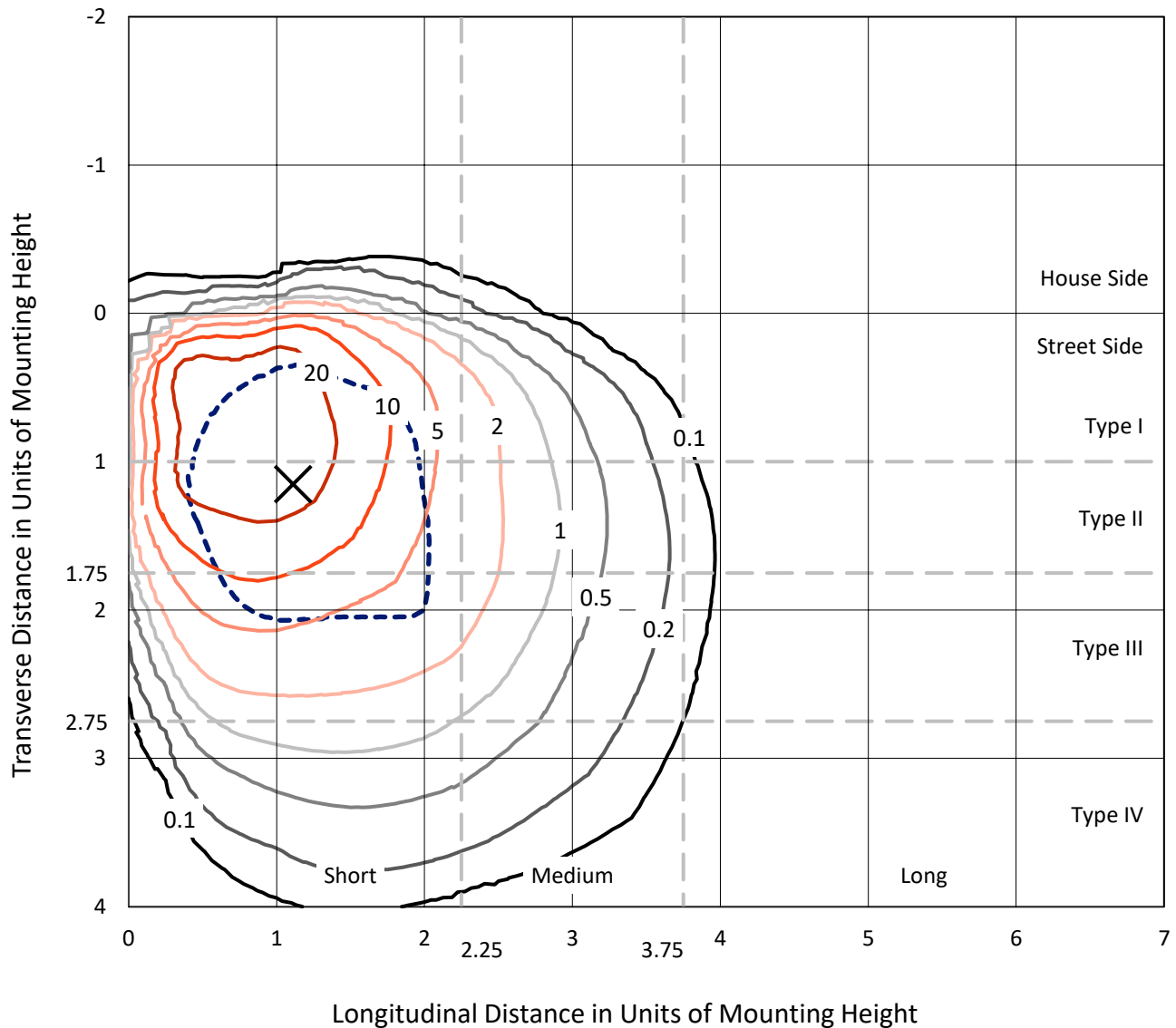
Input Watts (W): 249.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

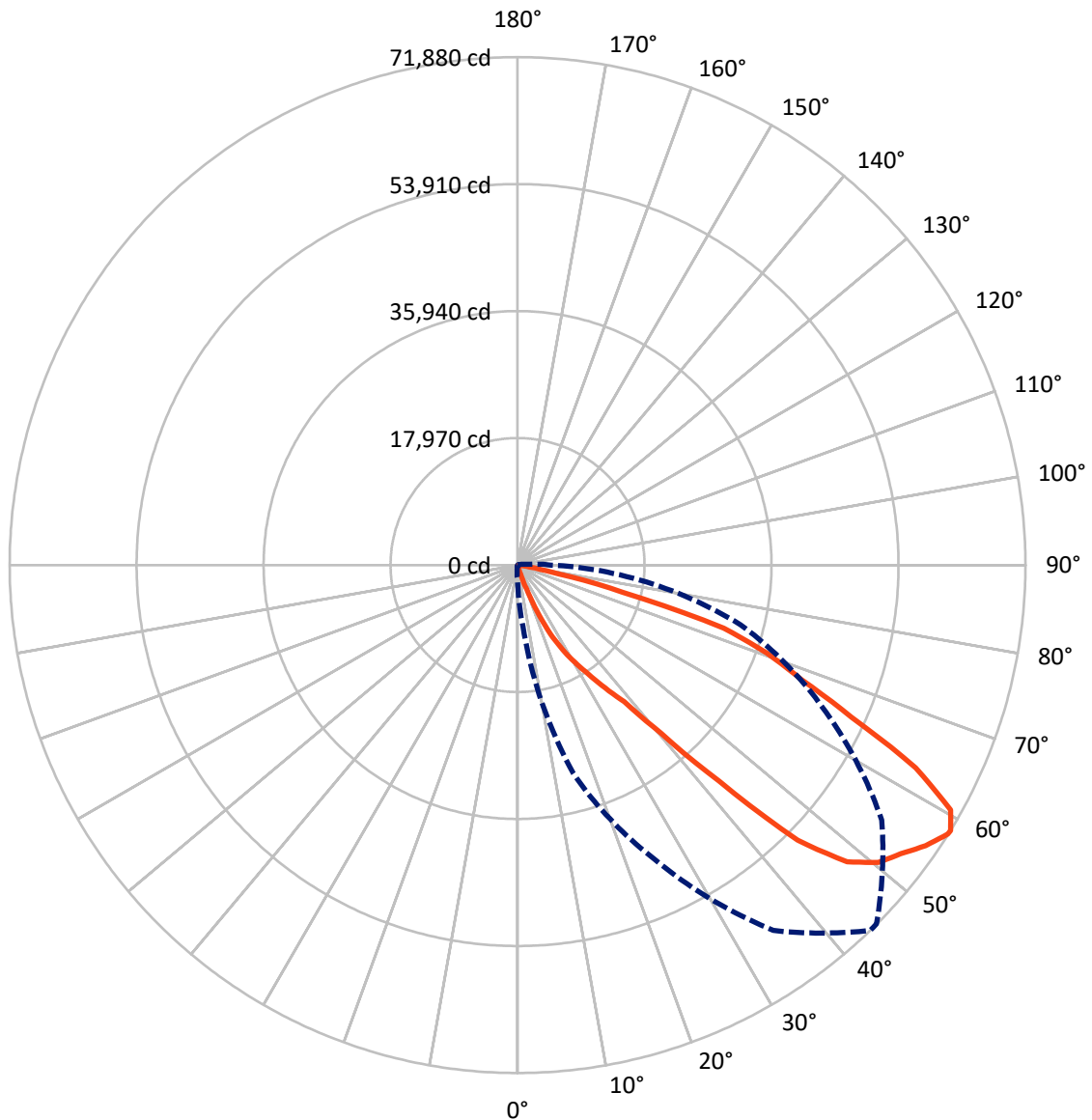
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 48.8 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	191.3	0.0	191.3
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	27827.7	0.0	27827.7
	% Fixture	99.3	0.0	99.3
Total	Lumens	28019.0	0.0	28019.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.0
10°-20°	61.4	0.2
20°-30°	663.8	2.4
30°-40°	1963.0	7.0
40°-50°	5850.8	20.9
50°-60°	9283.8	33.1
60°-70°	7743.8	27.6
70°-80°	2388.3	8.5
80°-90°	53.0	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°	28019.0	100.0
0°-180°	28019.0	100.0



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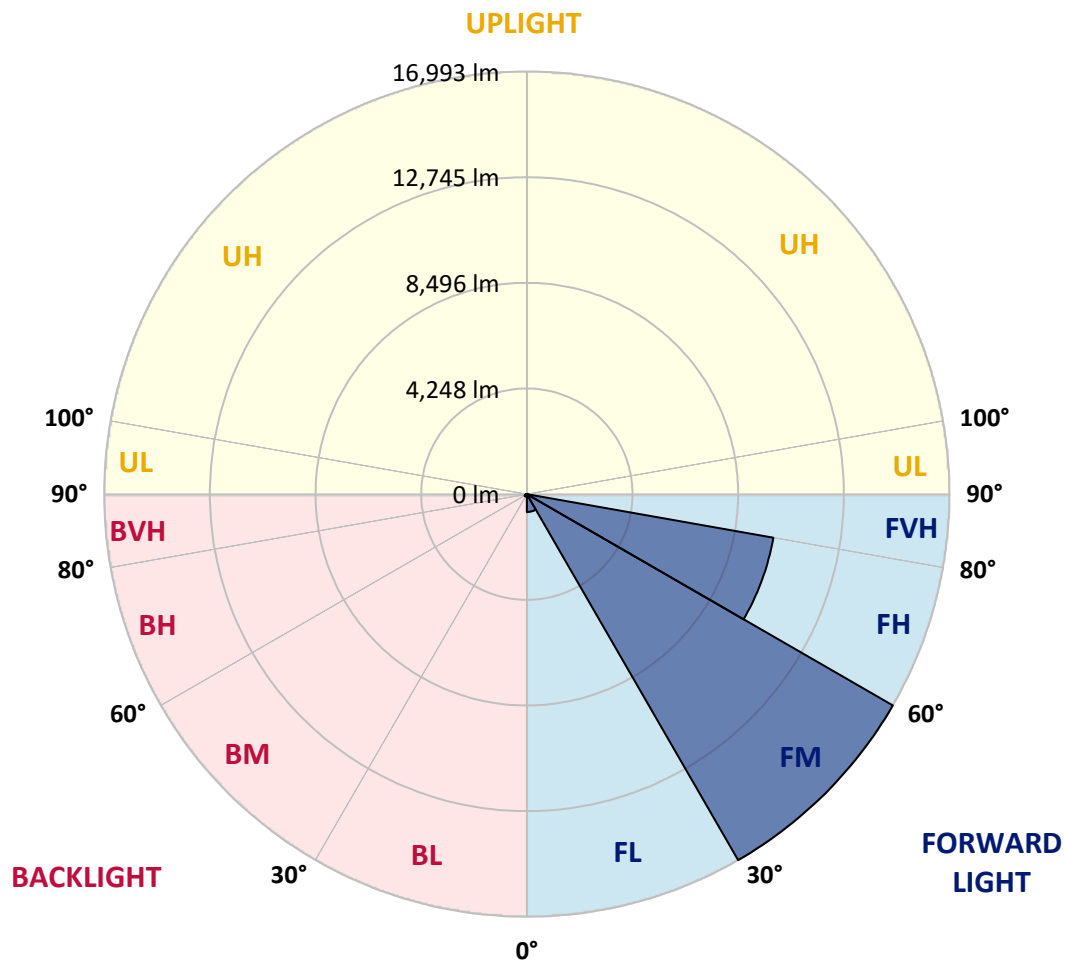
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	717.5	2.6			
FM	(30°-60°)	16992.9	60.6			
FH	(60°-80°)	10066.8	35.9			G4/12000
FVH	(80°-90°)	50.5	0.2			G1/100
BL	(0°-30°)	18.7	0.1	B0/110		
BM	(30°-60°)	104.7	0.4	B0/220		
BH	(60°-80°)	65.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.6	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°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	158.7	158.7	152.4	143.9	135.5	127.0	124.9	120.6	118.5	116.4
5°	165.1	165.1	163.0	156.6	148.2	141.8	141.8	135.5	131.2	127.0
7.5°	169.3	171.4	175.7	173.6	169.3	163.0	163.0	158.7	152.4	141.8
10°	175.7	182.0	190.5	194.7	196.8	196.8	194.7	192.6	182.0	167.2
12.5°	182.0	194.7	215.9	237.1	249.8	266.7	264.6	260.3	232.8	201.1
15°	194.7	213.8	258.2	319.6	414.9	474.1	497.4	476.2	385.2	270.9
17.5°	209.5	241.3	374.6	668.8	1096.4	1299.6	1422.4	1322.9	876.3	514.3
20°	224.4	294.2	696.4	1733.5	2844.7	3509.3	3693.5	3405.6	2186.4	980.0
22.5°	249.8	412.7	1411.8	3583.4	6129.7	7126.6	7315.0	6394.2	4129.5	1934.6
25°	302.7	599.0	2434.1	5839.7	9147.9	10830.6	10752.3	9545.8	6699.0	3090.2
27.5°	378.9	872.0	3680.8	8297.1	12039.2	13522.9	13700.7	12208.5	8929.9	4544.3
30°	488.9	1208.6	5018.4	10265.5	14356.9	15961.3	15990.9	14447.9	10925.9	5820.6
32.5°	594.8	1526.1	6188.9	12168.3	16640.7	18399.6	18530.8	16632.2	12416.0	7149.9
35°	675.2	1733.5	7374.2	13840.4	18943.5	21367.0	21358.6	19104.4	14181.2	8337.3
37.5°	681.5	1940.9	8447.3	15550.6	21860.2	24573.7	24842.5	22357.6	16314.7	9806.2
40°	666.7	2173.7	9806.2	18217.5	27115.7	31279.1	31516.1	28383.6	20594.5	12320.7
42.5°	683.7	2578.0	12011.7	23142.9	35842.4	41821.8	42279.0	38985.6	28461.9	17451.3
45°	772.6	3337.9	16632.2	31382.8	48281.7	55571.2	55418.8	50675.5	37616.1	25261.6
47.5°	1066.8	5198.4	23481.5	39402.6	56231.6	62723.2	62854.4	57057.1	42958.4	31266.4
50°	1640.4	7954.2	29236.5	43642.1	59649.9	66162.7	66039.9	59340.9	44988.2	34223.2
52.5°	2133.5	9948.0	32123.6	45130.1	60088.0	67862.3	67853.8	59942.0	45303.6	34477.2
55°	2256.3	10098.3	32146.9	45210.5	61070.1	70086.8	70366.2	61421.5	45712.1	33368.1
57.5°	2207.6	8940.5	30804.9	45676.1	62818.5	71807.6	71822.5	62854.4	46749.3	32688.7
58°	2165.3	8758.5	30534.0	45940.7	63119.0	71879.6	71843.6	62920.1	47593.8	32663.3
60°	1928.2	7604.9	29477.8	46615.9	62672.4	70402.2	70065.7	61487.1	47468.9	32403.0
62.5°	1515.5	5932.8	28438.6	45834.9	57884.7	63250.2	63389.9	54436.7	43273.8	30885.4
65°	1206.5	4421.6	26271.2	40204.7	47665.7	51941.3	52461.9	44266.5	36119.7	26152.7
67.5°	960.9	3196.1	22038.0	32009.3	37717.7	43350.0	43728.9	37165.3	27983.5	20037.8
70°	781.0	2161.0	15212.0	23409.6	31109.7	37442.6	37465.9	30874.8	20886.6	13129.2
72.5°	692.1	1496.4	8830.4	17072.5	25225.6	30510.7	29894.8	25054.1	16052.3	7776.4
75°	599.0	992.7	4330.6	10436.9	15294.5	15398.2	15633.2	11622.2	8024.0	3697.7
77.5°	493.2	704.8	1706.0	2851.1	4586.7	5871.4	6089.4	4614.2	2669.0	910.1
80°	338.7	334.4	459.3	874.2	1312.3	1644.6	1534.5	1187.4	698.5	349.2
82.5°	146.0	158.7	207.4	249.8	203.2	196.8	188.4	120.6	93.1	72.0
85°	46.6	42.3	44.4	44.4	36.0	27.5	27.5	12.7	0.0	0.0
87.5°	23.3	19.0	19.0	16.9	10.6	4.2	2.1	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°
122.8	0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
114.3	2.5°	112.2	112.2	107.9	103.7	101.6	97.4	95.2	93.1	91.0	88.9
122.8	5°	118.5	116.4	110.1	103.7	97.4	91.0	86.8	82.5	78.3	76.2
135.5	7.5°	129.1	124.9	112.2	101.6	93.1	84.7	80.4	74.1	69.8	63.5
150.3	10°	141.8	133.3	116.4	103.7	91.0	80.4	74.1	67.7	61.4	52.9
171.4	12.5°	158.7	143.9	122.8	101.6	86.8	74.1	67.7	59.3	52.9	46.6
199.0	15°	173.6	154.5	124.9	101.6	82.5	67.7	59.3	50.8	44.4	36.0
249.8	17.5°	194.7	163.0	122.8	95.2	76.2	59.3	50.8	44.4	33.9	21.2
370.4	20°	230.7	169.3	118.5	88.9	65.6	48.7	38.1	29.6	14.8	4.2
556.7	22.5°	287.9	186.3	114.3	80.4	57.1	38.1	25.4	10.6	0.0	0.0
846.6	25°	397.9	215.9	114.3	76.2	50.8	27.5	8.5	0.0	0.0	0.0
1202.2	27.5°	529.1	256.1	114.3	65.6	40.2	14.8	0.0	0.0	0.0	0.0
1638.2	30°	662.5	300.6	114.3	57.1	31.7	2.1	0.0	0.0	0.0	0.0
2017.1	32.5°	789.5	338.7	116.4	48.7	21.2	0.0	0.0	0.0	0.0	0.0
2542.0	35°	918.6	345.0	114.3	42.3	12.7	0.0	0.0	0.0	0.0	0.0
3185.5	37.5°	1083.7	332.3	107.9	38.1	6.3	0.0	0.0	0.0	0.0	0.0
4190.9	40°	1333.5	338.7	101.6	36.0	2.1	0.0	0.0	0.0	0.0	0.0
5983.6	42.5°	1794.9	366.2	93.1	36.0	0.0	0.0	0.0	0.0	0.0	0.0
9531.0	45°	3102.9	491.1	84.7	38.1	0.0	0.0	0.0	0.0	0.0	0.0
14308.2	47.5°	5132.7	882.6	82.5	38.1	0.0	0.0	0.0	0.0	0.0	0.0
17235.4	50°	6550.9	1111.2	86.8	40.2	0.0	0.0	0.0	0.0	0.0	0.0
17601.6	52.5°	6540.3	1238.2	91.0	42.3	8.5	0.0	0.0	0.0	0.0	0.0
16223.7	55°	5814.3	1261.5	97.4	46.6	27.5	0.0	0.0	0.0	0.0	0.0
13942.0	57.5°	4859.7	1151.4	112.2	57.1	50.8	0.0	0.0	0.0	0.0	0.0
13584.3	58°	4690.4	1100.6	116.4	59.3	55.0	0.0	0.0	0.0	0.0	0.0
11783.1	60°	3843.7	897.4	148.2	74.1	74.1	0.0	0.0	0.0	0.0	0.0
9660.1	62.5°	2654.2	783.1	169.3	95.2	76.2	0.0	0.0	0.0	0.0	0.0
7122.3	65°	1877.4	706.9	184.1	101.6	61.4	0.0	0.0	0.0	0.0	0.0
5060.8	67.5°	1403.3	651.9	203.2	103.7	31.7	0.0	0.0	0.0	0.0	0.0
3174.9	70°	1075.2	611.7	249.8	110.1	8.5	0.0	0.0	0.0	0.0	0.0
1892.2	72.5°	876.3	565.1	302.7	114.3	0.0	0.0	0.0	0.0	0.0	0.0
1134.5	75°	726.0	510.1	292.1	124.9	0.0	0.0	0.0	0.0	0.0	0.0
605.3	77.5°	482.6	395.8	266.7	124.9	0.0	0.0	0.0	0.0	0.0	0.0
215.9	80°	169.3	156.6	207.4	110.1	0.0	0.0	0.0	0.0	0.0	0.0
44.4	82.5°	25.4	21.2	29.6	38.1	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°
122.8	0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
86.8	2.5°	86.8	86.8	84.7	86.8	86.8	91.0	101.6	116.4	133.3	139.7
74.1	5°	72.0	69.8	67.7	67.7	67.7	74.1	82.5	99.5	118.5	127.0
61.4	7.5°	59.3	57.1	55.0	52.9	52.9	57.1	67.7	86.8	105.8	114.3
50.8	10°	48.7	44.4	42.3	40.2	40.2	44.4	55.0	74.1	95.2	103.7
42.3	12.5°	40.2	33.9	29.6	27.5	25.4	31.7	42.3	59.3	82.5	93.1
31.7	15°	27.5	21.2	14.8	12.7	10.6	16.9	27.5	46.6	69.8	82.5
16.9	17.5°	14.8	6.3	2.1	0.0	0.0	4.2	12.7	33.9	57.1	67.7
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	42.3	52.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	25.4	36.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	19.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	16.9
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°
122.8	0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
146.0	2.5°	150.3	148.2	143.9	139.7	139.7	139.7	146.0	152.4	158.7	158.7
131.2	5°	139.7	139.7	137.6	133.3	133.3	135.5	143.9	154.5	163.0	165.1
120.6	7.5°	129.1	133.3	129.1	127.0	129.1	131.2	139.7	152.4	165.1	169.3
112.2	10°	122.8	124.9	124.9	122.8	122.8	127.0	135.5	152.4	169.3	175.7
101.6	12.5°	114.3	118.5	116.4	116.4	116.4	120.6	131.2	150.3	173.6	182.0
91.0	15°	105.8	112.2	112.2	110.1	110.1	112.2	127.0	148.2	179.9	194.7
78.3	17.5°	97.4	103.7	105.8	101.6	101.6	105.8	120.6	148.2	184.1	209.5
63.5	20°	80.4	91.0	97.4	91.0	91.0	95.2	110.1	139.7	186.3	224.4
46.6	22.5°	63.5	74.1	82.5	80.4	80.4	82.5	101.6	133.3	188.4	249.8
27.5	25°	46.6	57.1	63.5	67.7	67.7	74.1	93.1	129.1	196.8	302.7
12.7	27.5°	27.5	40.2	48.7	52.9	55.0	63.5	86.8	124.9	211.7	378.9
0.0	30°	12.7	23.3	33.9	42.3	42.3	57.1	80.4	120.6	230.7	488.9
0.0	32.5°	0.0	10.6	16.9	29.6	31.7	46.6	74.1	116.4	258.2	594.8
0.0	35°	0.0	0.0	8.5	23.3	23.3	38.1	67.7	112.2	300.6	675.2
0.0	37.5°	0.0	0.0	0.0	16.9	19.0	33.9	65.6	110.1	309.0	681.5
0.0	40°	0.0	0.0	0.0	12.7	14.8	31.7	65.6	112.2	279.4	666.7
0.0	42.5°	0.0	0.0	0.0	8.5	10.6	31.7	65.6	116.4	251.9	683.7
0.0	45°	0.0	0.0	0.0	6.3	8.5	33.9	63.5	114.3	237.1	772.6
0.0	47.5°	0.0	0.0	0.0	8.5	12.7	33.9	61.4	112.2	239.2	1066.8
0.0	50°	0.0	0.0	0.0	10.6	14.8	33.9	63.5	107.9	262.5	1640.4
0.0	52.5°	0.0	0.0	0.0	8.5	12.7	38.1	69.8	105.8	285.7	2133.5
0.0	55°	0.0	0.0	0.0	2.1	6.3	48.7	76.2	105.8	321.7	2256.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	55.0	86.8	112.2	381.0	2207.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	55.0	88.9	112.2	385.2	2165.3
0.0	60°	0.0	0.0	0.0	0.0	0.0	55.0	97.4	124.9	414.9	1928.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	46.6	116.4	156.6	431.8	1515.5
0.0	65°	0.0	0.0	0.0	0.0	0.0	38.1	137.6	171.4	444.5	1206.5
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	36.0	141.8	173.6	450.8	960.9
0.0	70°	0.0	0.0	0.0	0.0	0.0	38.1	139.7	186.3	472.0	781.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	42.3	127.0	205.3	472.0	692.1
0.0	75°	0.0	0.0	0.0	0.0	0.0	44.4	118.5	230.7	429.7	599.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	42.3	116.4	268.8	383.1	493.2
0.0	80°	4.2	6.3	6.3	4.2	4.2	36.0	114.3	273.0	326.0	338.7
2.1	82.5°	12.7	16.9	14.8	10.6	10.6	31.7	101.6	228.6	169.3	146.0
12.7	85°	23.3	27.5	27.5	23.3	23.3	29.6	63.5	82.5	57.1	46.6
23.3	87.5°	31.7	36.0	36.0	31.7	31.7	29.6	27.5	25.4	23.3	23.3
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: SP1-2407-184-5

Test Date: 10/10/2024

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

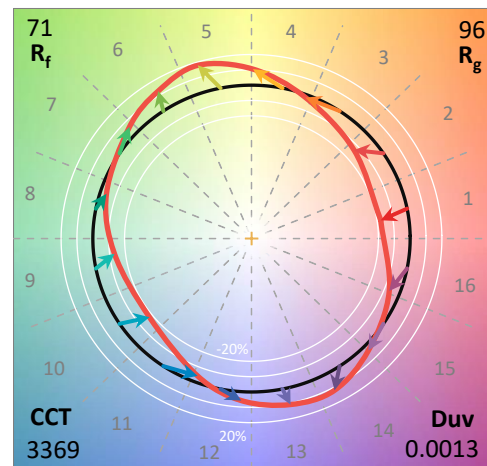
Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

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

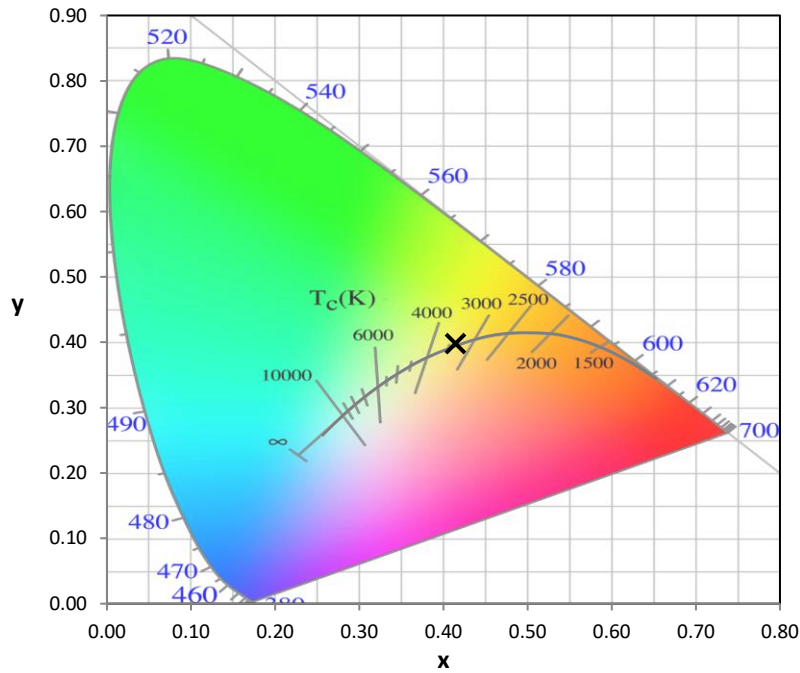
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

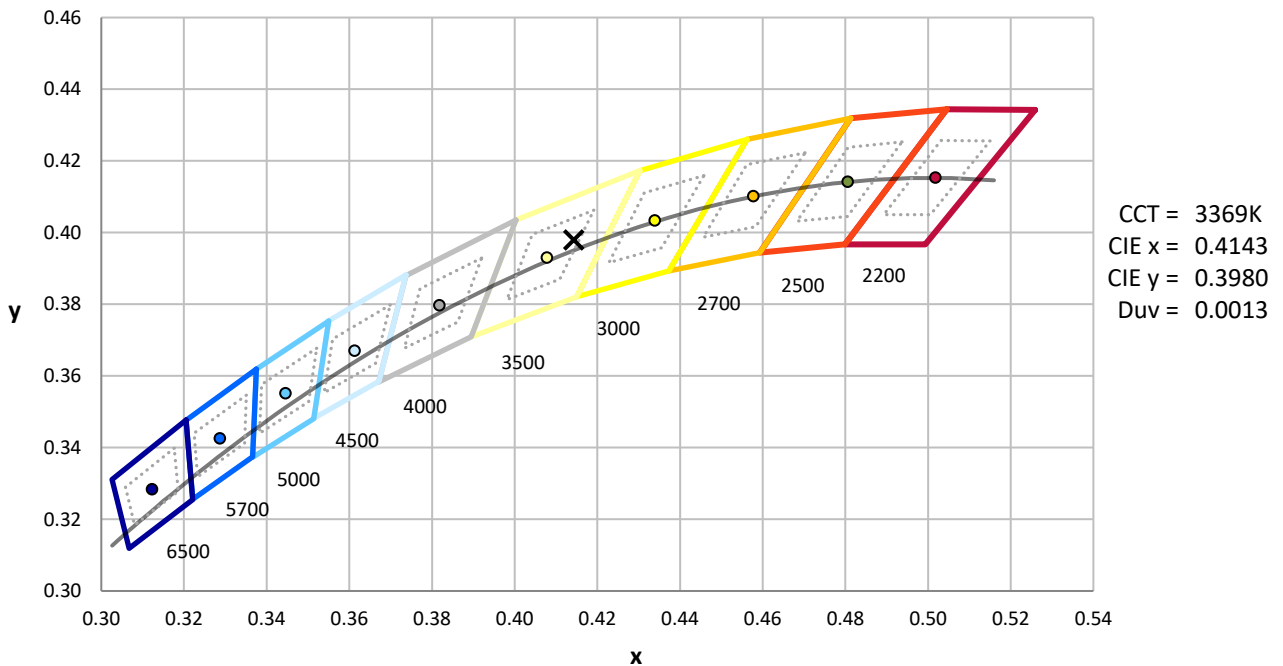
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



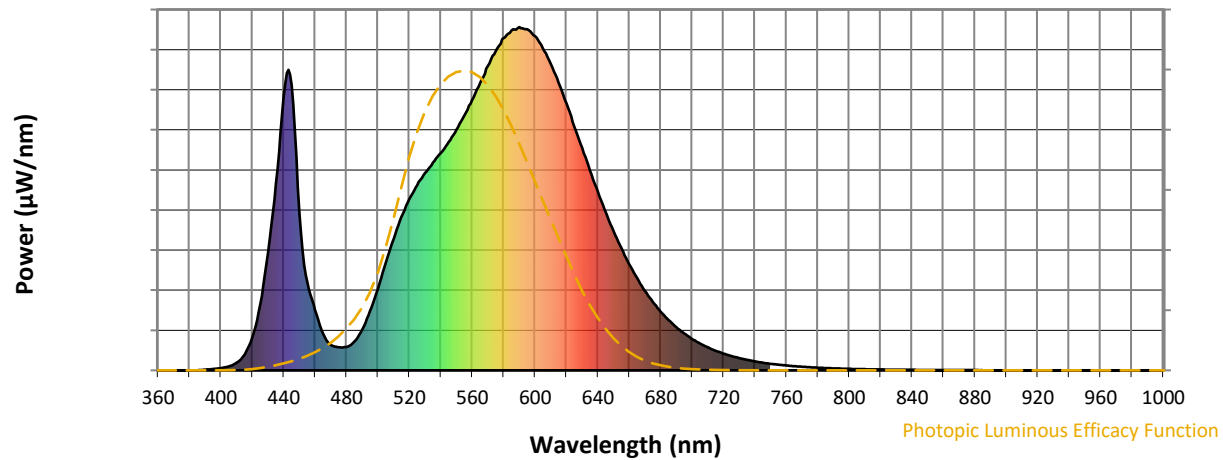
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

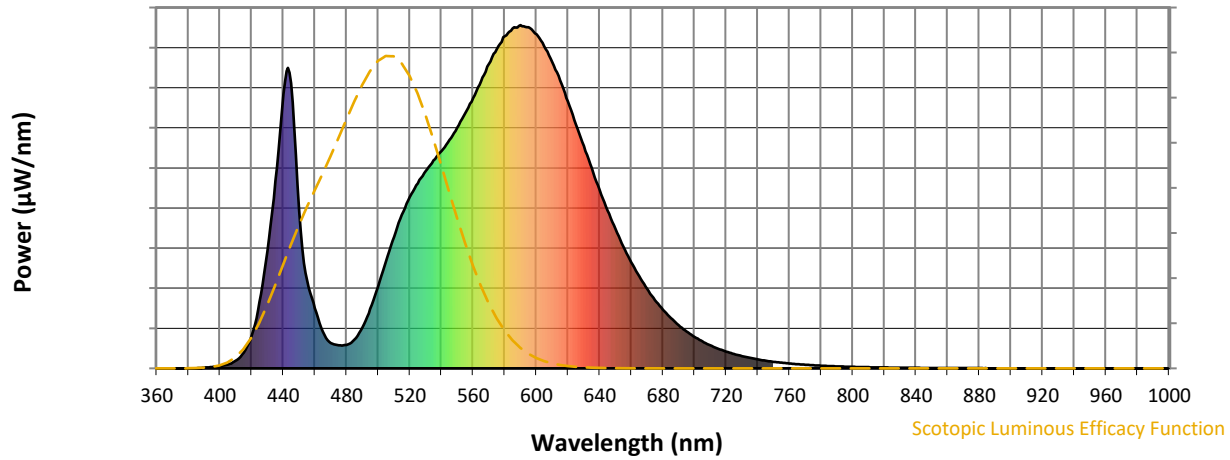


Photopic Lumens: NR

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

Scotopic Flux vs. Wavelength



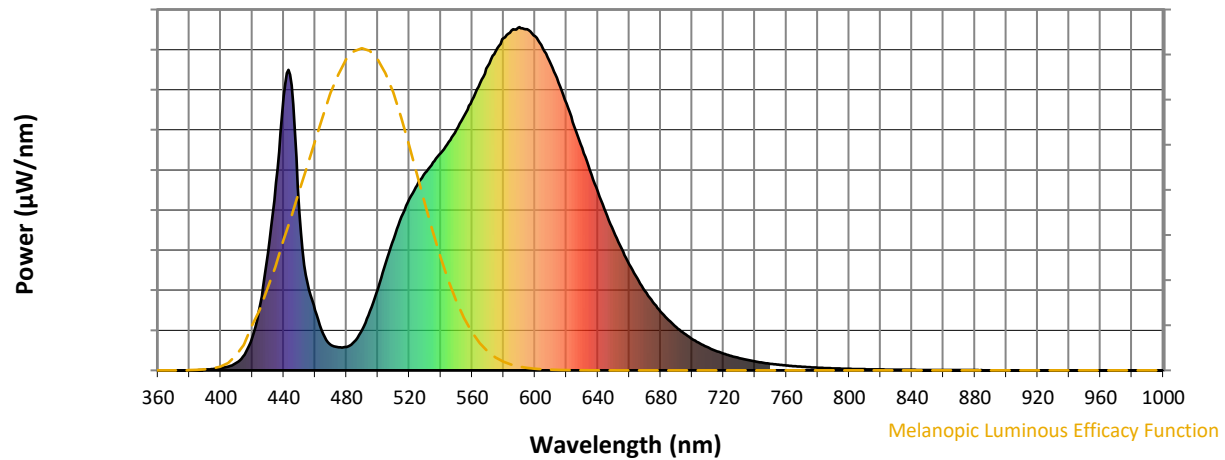
Scotopic Lumens: NR

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

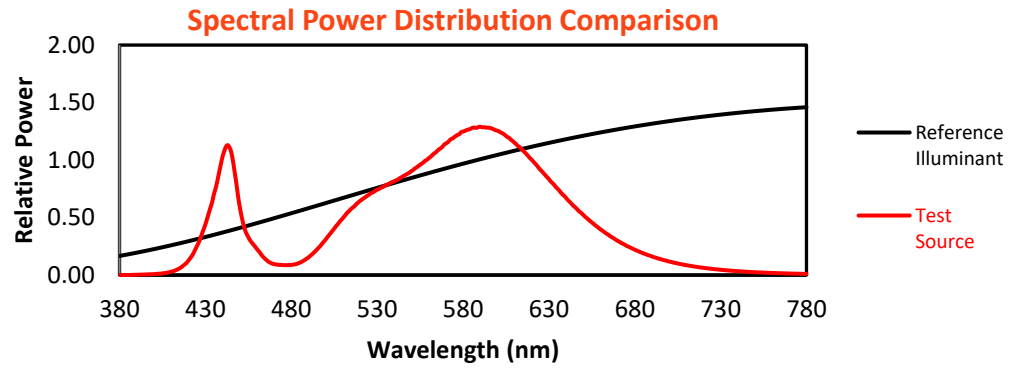
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	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

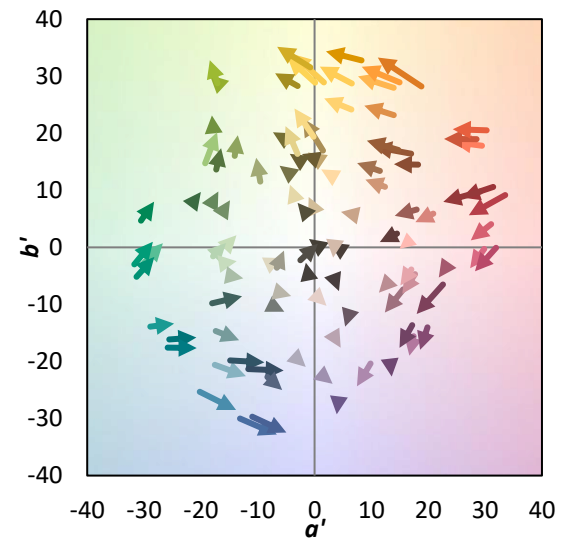
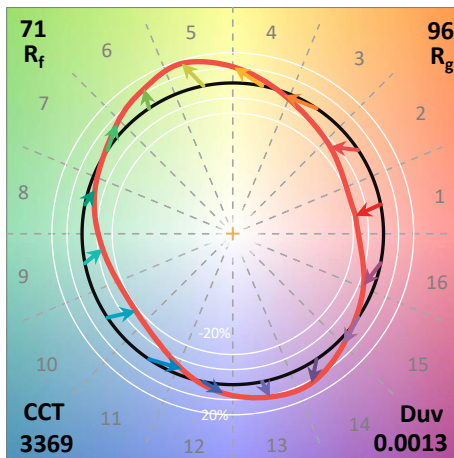
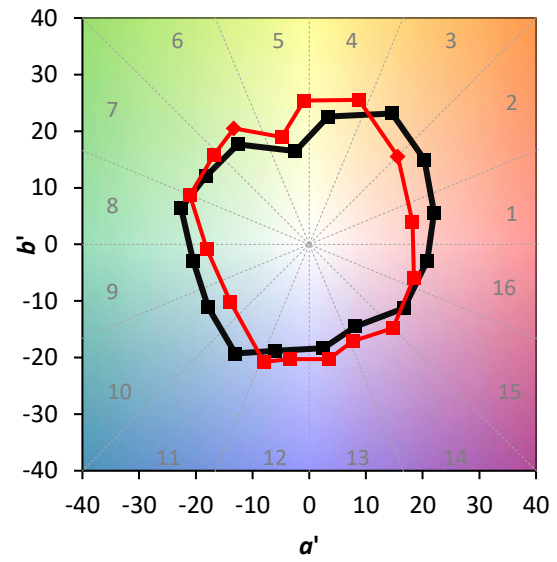
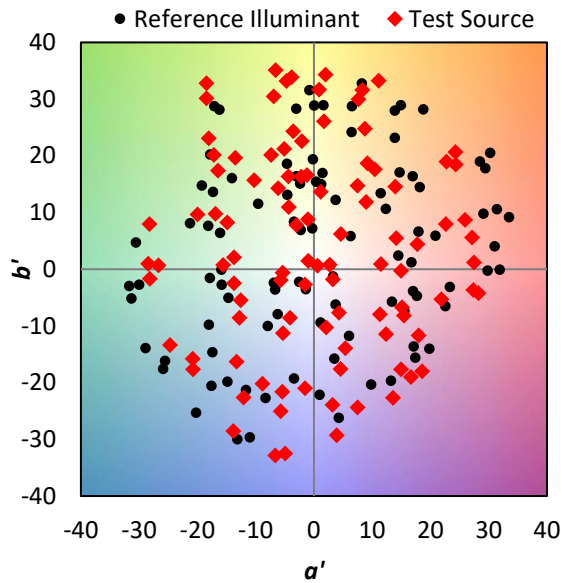
TM-30-18

Summary

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

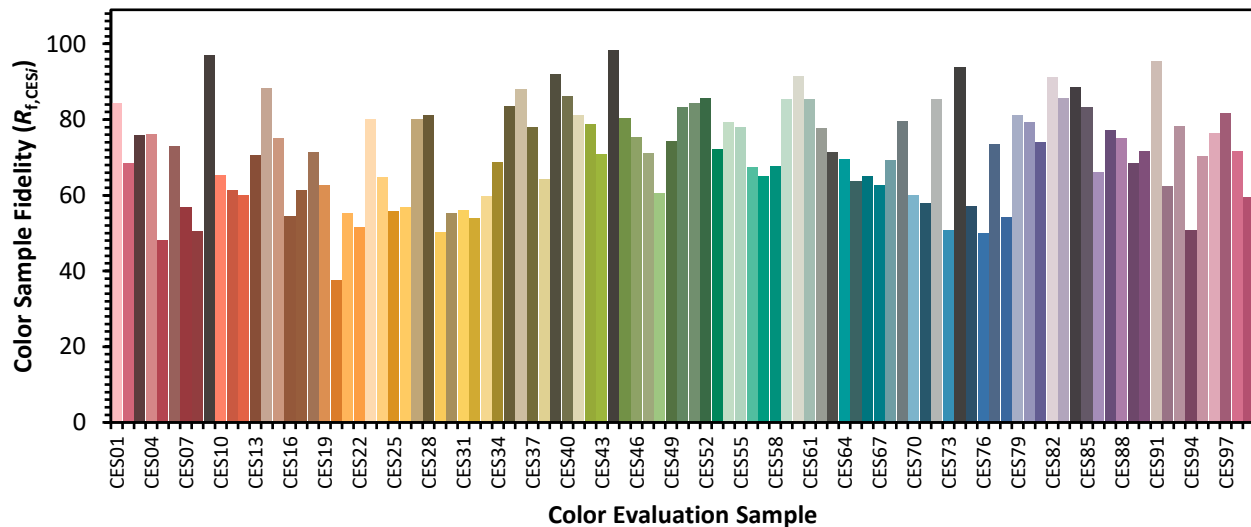


Color Vector Graphics

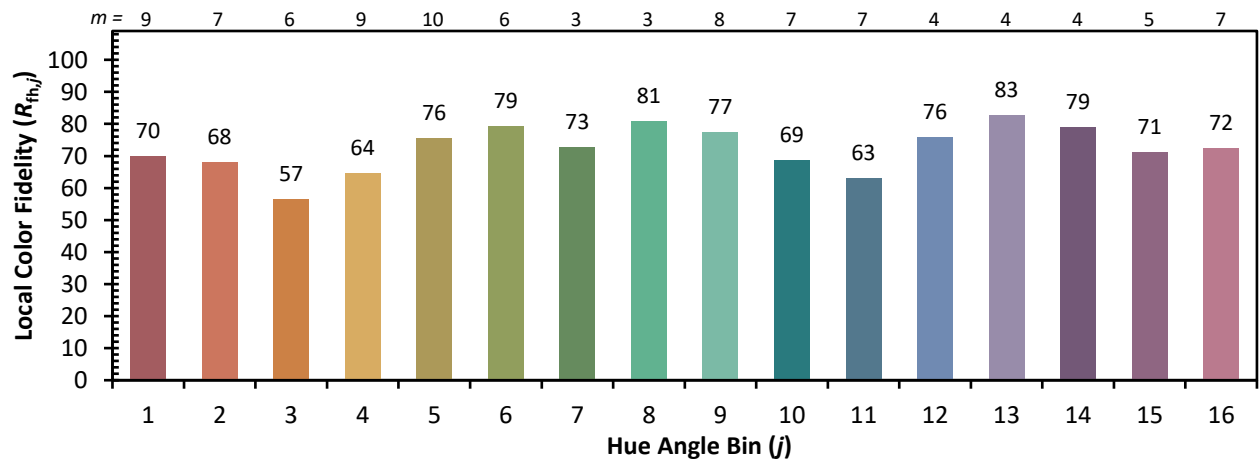
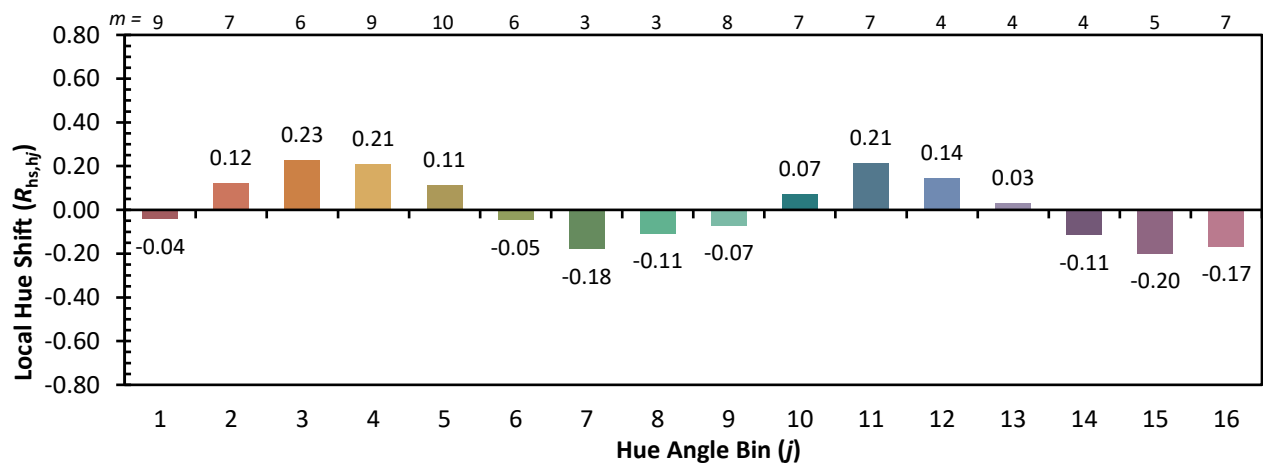
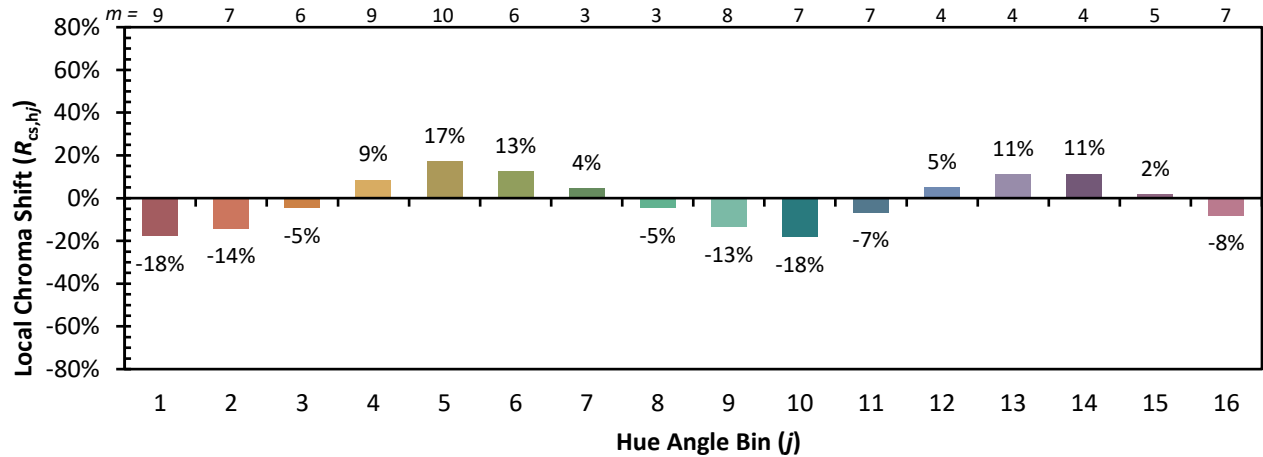


Individual Sample Fidelity Index ($R_{f,i}$)

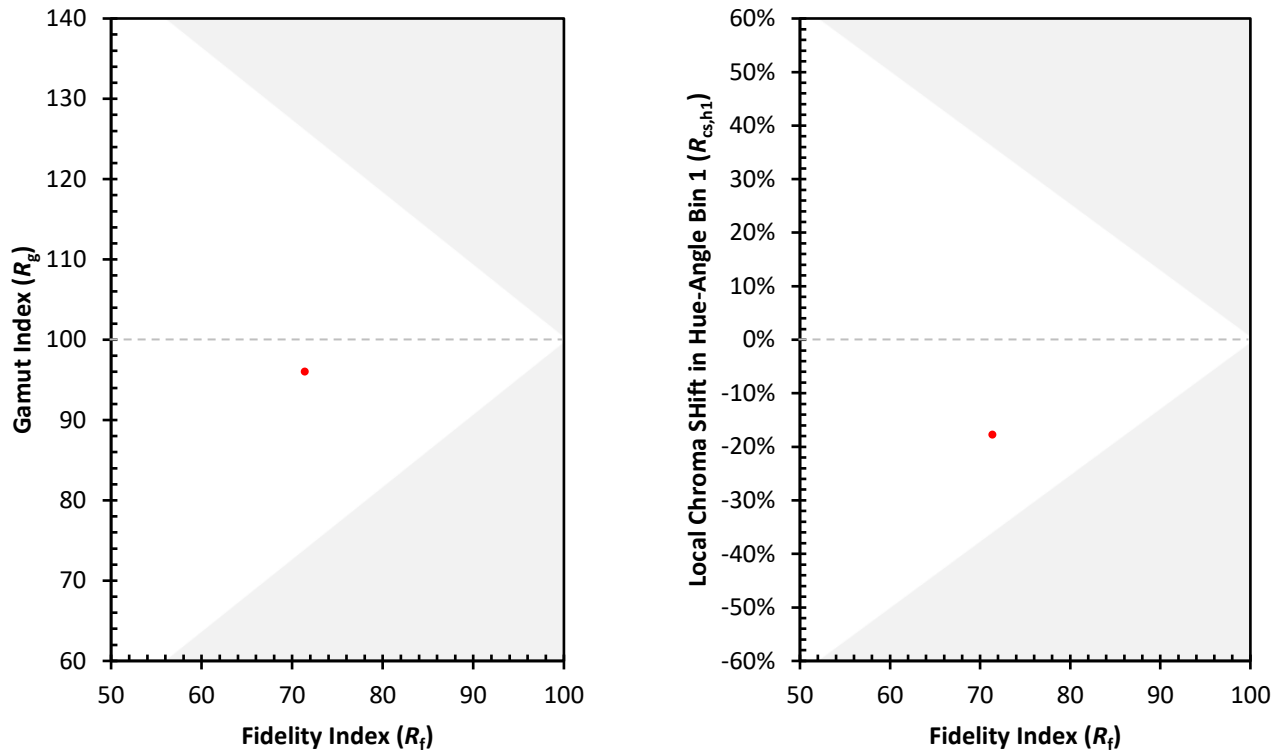
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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)