

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1065533

Luminaire Tested: **GLAN-SA2A-927-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065533
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
90CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4171.2 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

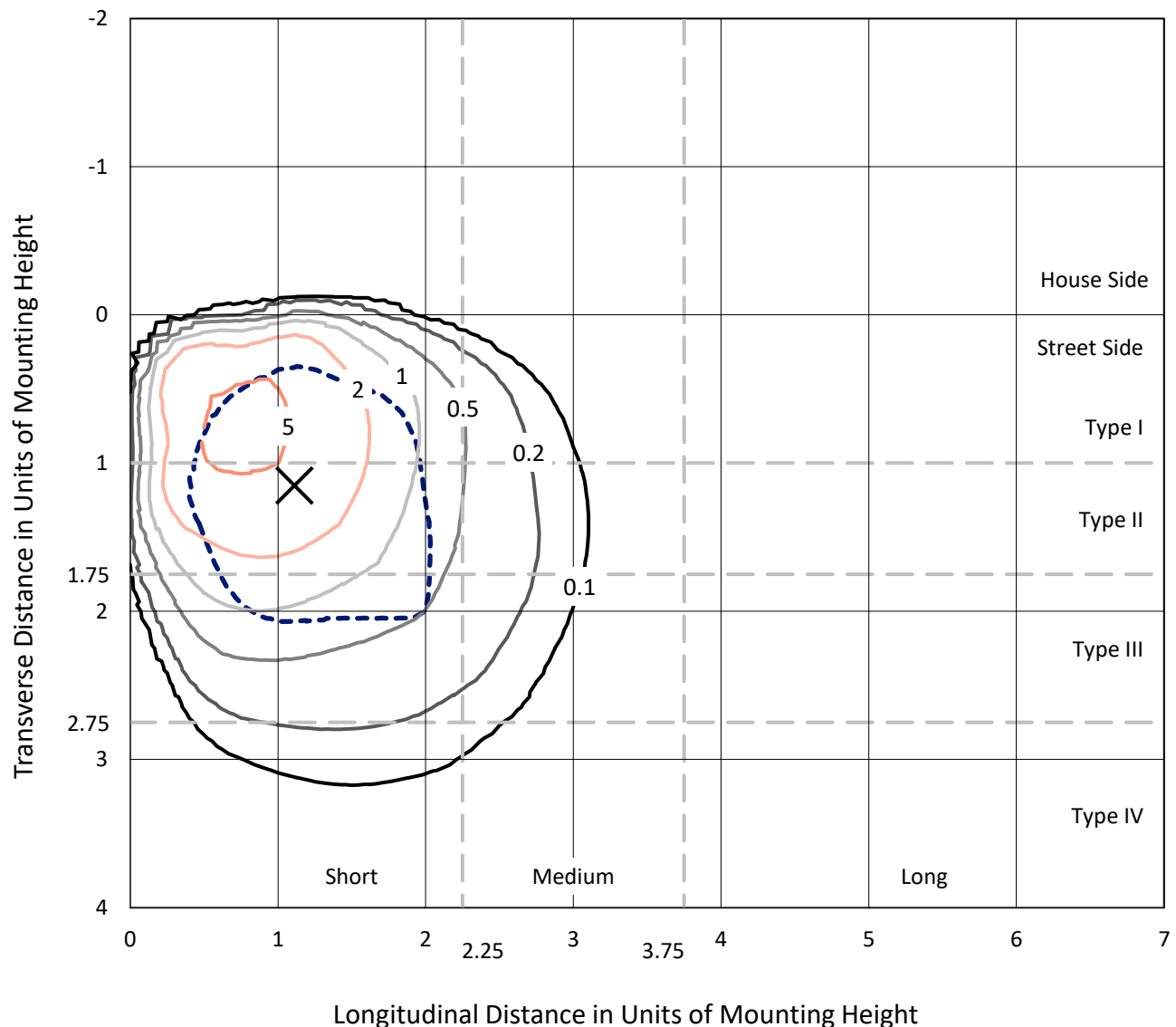
Input Watts (W): 55.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

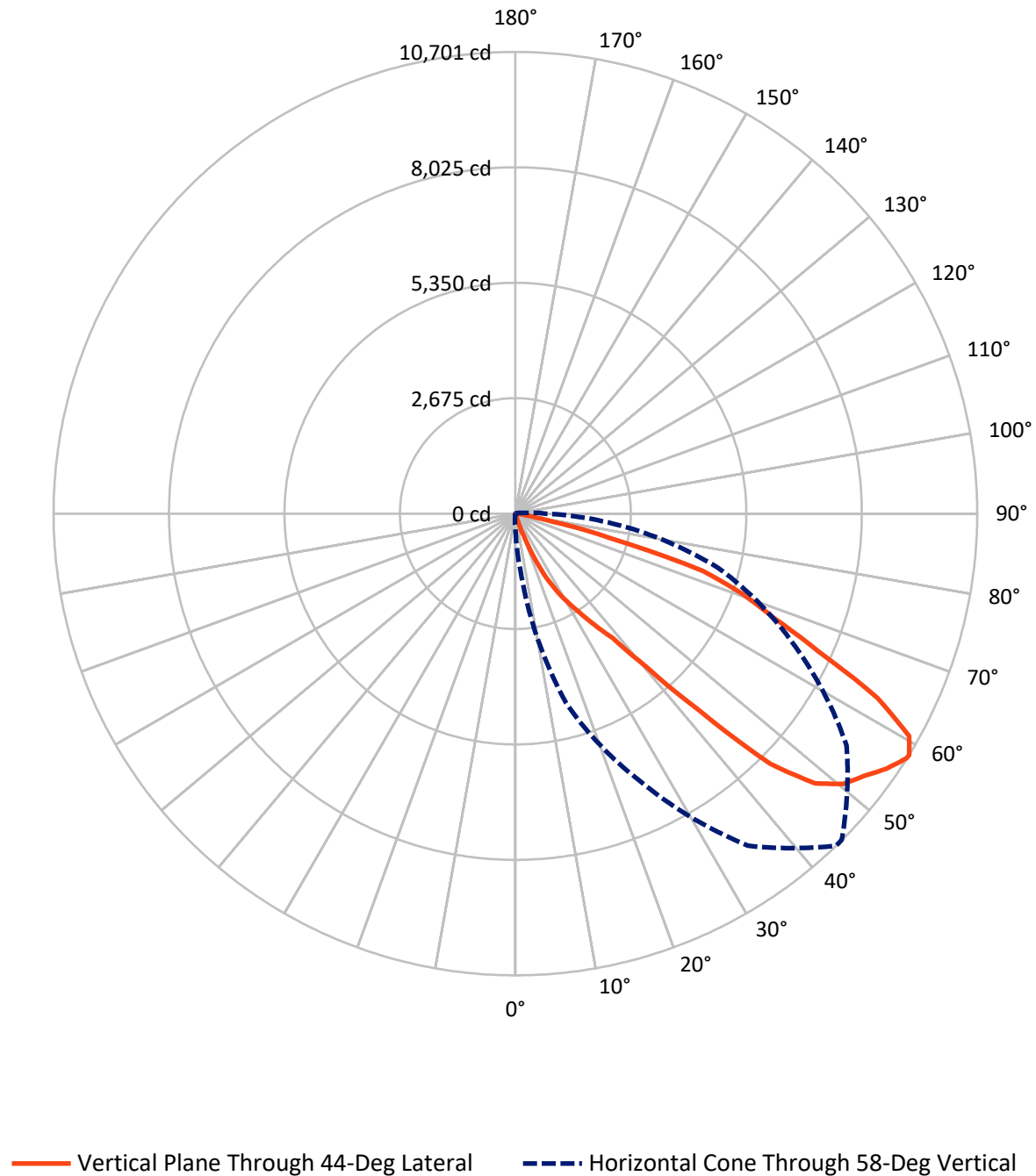
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.3 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	28.5	0.0	28.5
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	4142.7	0.0	4142.7
	% Fixture	99.3	0.0	99.3
Total	Lumens	4171.2	0.0	4171.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	9.1	0.2
20°-30°	98.8	2.4
30°-40°	292.2	7.0
40°-50°	871.0	20.9
50°-60°	1382.1	33.1
60°-70°	1152.8	27.6
70°-80°	355.5	8.5
80°-90°	7.9	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°	4171.2	100.0
0°-180°	4171.2	100.0



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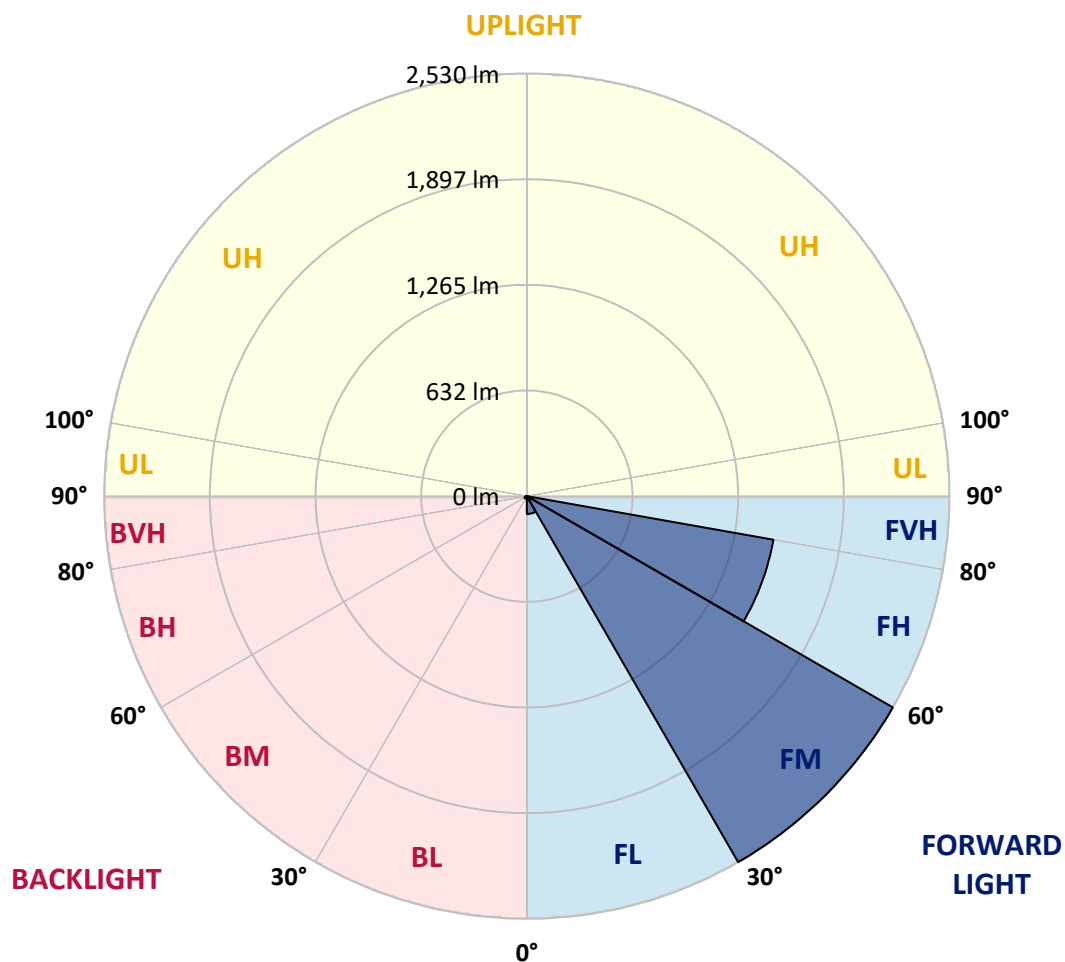
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	106.8	2.6			
FM	(30°-60°)	2529.7	60.6			
FH	(60°-80°)	1498.6	35.9			G1/1800
FVH	(80°-90°)	7.5	0.2			G0/10
BL	(0°-30°)	2.8	0.1	B0/110		
BM	(30°-60°)	15.6	0.4	B0/220		
BH	(60°-80°)	9.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
2.5°	23.6	23.6	22.7	21.4	20.2	18.9	18.6	18.0	17.6	17.3
5°	24.6	24.6	24.3	23.3	22.1	21.1	21.1	20.2	19.5	18.9
7.5°	25.2	25.5	26.2	25.8	25.2	24.3	24.3	23.6	22.7	21.1
10°	26.2	27.1	28.4	29.0	29.3	29.3	29.0	28.7	27.1	24.9
12.5°	27.1	29.0	32.1	35.3	37.2	39.7	39.4	38.8	34.7	29.9
15°	29.0	31.8	38.4	47.6	61.8	70.6	74.0	70.9	57.3	40.3
17.5°	31.2	35.9	55.8	99.6	163.2	193.5	211.7	196.9	130.4	76.6
20°	33.4	43.8	103.7	258.1	423.5	522.4	549.8	507.0	325.5	145.9
22.5°	37.2	61.4	210.2	533.5	912.5	1060.9	1089.0	951.9	614.8	288.0
25°	45.1	89.2	362.4	869.3	1361.8	1612.3	1600.7	1421.1	997.3	460.0
27.5°	56.4	129.8	548.0	1235.2	1792.3	2013.1	2039.6	1817.5	1329.4	676.5
30°	72.8	179.9	747.1	1528.2	2137.3	2376.1	2380.5	2150.8	1626.5	866.5
32.5°	88.5	227.2	921.3	1811.5	2477.3	2739.1	2758.7	2476.0	1848.3	1064.4
35°	100.5	258.1	1097.8	2060.4	2820.1	3180.9	3179.6	2844.0	2111.1	1241.2
37.5°	101.5	288.9	1257.5	2315.0	3254.3	3658.3	3698.3	3328.4	2428.8	1459.8
40°	99.3	323.6	1459.8	2712.0	4036.7	4656.5	4691.8	4225.4	3065.9	1834.2
42.5°	101.8	383.8	1788.2	3445.3	5335.8	6226.0	6294.0	5803.7	4237.1	2598.0
45°	115.0	496.9	2476.0	4671.9	7187.6	8272.8	8250.1	7544.0	5599.9	3760.7
47.5°	158.8	773.9	3495.7	5865.8	8371.1	9337.5	9357.1	8494.0	6395.2	4654.6
50°	244.2	1184.1	4352.4	6496.9	8880.0	9849.6	9831.3	8834.0	6697.3	5094.8
52.5°	317.6	1480.9	4782.2	6718.5	8945.2	10102.6	10101.3	8923.5	6744.3	5132.6
55°	335.9	1503.3	4785.7	6730.4	9091.4	10433.7	10475.3	9143.7	6805.1	4967.5
57.5°	328.6	1331.0	4585.9	6799.8	9351.7	10689.9	10692.1	9357.1	6959.5	4866.3
58°	322.3	1303.9	4545.6	6839.1	9396.5	10700.6	10695.3	9366.8	7085.2	4862.5
60°	287.1	1132.1	4388.3	6939.7	9330.0	10480.7	10430.6	9153.5	7066.6	4823.8
62.5°	225.6	883.2	4233.6	6823.4	8617.2	9416.0	9436.8	8103.9	6442.1	4597.9
65°	179.6	658.2	3911.0	5985.2	7095.9	7732.4	7809.9	6589.9	5377.1	3893.3
67.5°	143.1	475.8	3280.8	4765.2	5615.0	6453.5	6509.9	5532.8	4165.9	2983.0
70°	116.3	321.7	2264.6	3485.0	4631.3	5574.0	5577.5	4596.3	3109.4	1954.5
72.5°	103.0	222.8	1314.6	2541.6	3755.3	4542.1	4450.4	3729.8	2389.7	1157.7
75°	89.2	147.8	644.7	1553.7	2276.9	2292.3	2327.3	1730.2	1194.5	550.5
77.5°	73.4	104.9	254.0	424.4	682.8	874.1	906.5	686.9	397.3	135.5
80°	50.4	49.8	68.4	130.1	195.4	244.8	228.4	176.8	104.0	52.0
82.5°	21.7	23.6	30.9	37.2	30.2	29.3	28.0	18.0	13.9	10.7
85°	6.9	6.3	6.6	6.6	5.4	4.1	4.1	1.9	0.0	0.0
87.5°	3.5	2.8	2.8	2.5	1.6	0.6	0.3	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°
18.3	0°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
17.0	2.5°	16.7	16.7	16.1	15.4	15.1	14.5	14.2	13.9	13.5	13.2
18.3	5°	17.6	17.3	16.4	15.4	14.5	13.5	12.9	12.3	11.7	11.3
20.2	7.5°	19.2	18.6	16.7	15.1	13.9	12.6	12.0	11.0	10.4	9.5
22.4	10°	21.1	19.9	17.3	15.4	13.5	12.0	11.0	10.1	9.1	7.9
25.5	12.5°	23.6	21.4	18.3	15.1	12.9	11.0	10.1	8.8	7.9	6.9
29.6	15°	25.8	23.0	18.6	15.1	12.3	10.1	8.8	7.6	6.6	5.4
37.2	17.5°	29.0	24.3	18.3	14.2	11.3	8.8	7.6	6.6	5.0	3.2
55.1	20°	34.3	25.2	17.6	13.2	9.8	7.2	5.7	4.4	2.2	0.6
82.9	22.5°	42.9	27.7	17.0	12.0	8.5	5.7	3.8	1.6	0.0	0.0
126.0	25°	59.2	32.1	17.0	11.3	7.6	4.1	1.3	0.0	0.0	0.0
179.0	27.5°	78.8	38.1	17.0	9.8	6.0	2.2	0.0	0.0	0.0	0.0
243.9	30°	98.6	44.7	17.0	8.5	4.7	0.3	0.0	0.0	0.0	0.0
300.3	32.5°	117.5	50.4	17.3	7.2	3.2	0.0	0.0	0.0	0.0	0.0
378.4	35°	136.8	51.4	17.0	6.3	1.9	0.0	0.0	0.0	0.0	0.0
474.2	37.5°	161.3	49.5	16.1	5.7	0.9	0.0	0.0	0.0	0.0	0.0
623.9	40°	198.5	50.4	15.1	5.4	0.3	0.0	0.0	0.0	0.0	0.0
890.8	42.5°	267.2	54.5	13.9	5.4	0.0	0.0	0.0	0.0	0.0	0.0
1418.9	45°	461.9	73.1	12.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0
2130.0	47.5°	764.1	131.4	12.3	5.7	0.0	0.0	0.0	0.0	0.0	0.0
2565.8	50°	975.2	165.4	12.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0
2620.3	52.5°	973.6	184.3	13.5	6.3	1.3	0.0	0.0	0.0	0.0	0.0
2415.2	55°	865.6	187.8	14.5	6.9	4.1	0.0	0.0	0.0	0.0	0.0
2075.5	57.5°	723.5	171.4	16.7	8.5	7.6	0.0	0.0	0.0	0.0	0.0
2022.3	58°	698.3	163.8	17.3	8.8	8.2	0.0	0.0	0.0	0.0	0.0
1754.1	60°	572.2	133.6	22.1	11.0	11.0	0.0	0.0	0.0	0.0	0.0
1438.1	62.5°	395.1	116.6	25.2	14.2	11.3	0.0	0.0	0.0	0.0	0.0
1060.3	65°	279.5	105.2	27.4	15.1	9.1	0.0	0.0	0.0	0.0	0.0
753.4	67.5°	208.9	97.0	30.2	15.4	4.7	0.0	0.0	0.0	0.0	0.0
472.6	70°	160.1	91.1	37.2	16.4	1.3	0.0	0.0	0.0	0.0	0.0
281.7	72.5°	130.4	84.1	45.1	17.0	0.0	0.0	0.0	0.0	0.0	0.0
168.9	75°	108.1	75.9	43.5	18.6	0.0	0.0	0.0	0.0	0.0	0.0
90.1	77.5°	71.8	58.9	39.7	18.6	0.0	0.0	0.0	0.0	0.0	0.0
32.1	80°	25.2	23.3	30.9	16.4	0.0	0.0	0.0	0.0	0.0	0.0
6.6	82.5°	3.8	3.2	4.4	5.7	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°
18.3	0°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
12.9	2.5°	12.9	12.9	12.6	12.9	12.9	13.5	15.1	17.3	19.9	20.8
11.0	5°	10.7	10.4	10.1	10.1	10.1	11.0	12.3	14.8	17.6	18.9
9.1	7.5°	8.8	8.5	8.2	7.9	7.9	8.5	10.1	12.9	15.8	17.0
7.6	10°	7.2	6.6	6.3	6.0	6.0	6.6	8.2	11.0	14.2	15.4
6.3	12.5°	6.0	5.0	4.4	4.1	3.8	4.7	6.3	8.8	12.3	13.9
4.7	15°	4.1	3.2	2.2	1.9	1.6	2.5	4.1	6.9	10.4	12.3
2.5	17.5°	2.2	0.9	0.3	0.0	0.0	0.6	1.9	5.0	8.5	10.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.3	7.9
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.8	5.4
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.5
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°
18.3	0°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
21.7	2.5°	22.4	22.1	21.4	20.8	20.8	20.8	21.7	22.7	23.6	23.6
19.5	5°	20.8	20.8	20.5	19.9	19.9	20.2	21.4	23.0	24.3	24.6
18.0	7.5°	19.2	19.9	19.2	18.9	19.2	19.5	20.8	22.7	24.6	25.2
16.7	10°	18.3	18.6	18.6	18.3	18.3	18.9	20.2	22.7	25.2	26.2
15.1	12.5°	17.0	17.6	17.3	17.3	17.3	18.0	19.5	22.4	25.8	27.1
13.5	15°	15.8	16.7	16.7	16.4	16.4	16.7	18.9	22.1	26.8	29.0
11.7	17.5°	14.5	15.4	15.8	15.1	15.1	15.8	18.0	22.1	27.4	31.2
9.5	20°	12.0	13.5	14.5	13.5	13.5	14.2	16.4	20.8	27.7	33.4
6.9	22.5°	9.5	11.0	12.3	12.0	12.0	12.3	15.1	19.9	28.0	37.2
4.1	25°	6.9	8.5	9.5	10.1	10.1	11.0	13.9	19.2	29.3	45.1
1.9	27.5°	4.1	6.0	7.2	7.9	8.2	9.5	12.9	18.6	31.5	56.4
0.0	30°	1.9	3.5	5.0	6.3	6.3	8.5	12.0	18.0	34.3	72.8
0.0	32.5°	0.0	1.6	2.5	4.4	4.7	6.9	11.0	17.3	38.4	88.5
0.0	35°	0.0	0.0	1.3	3.5	3.5	5.7	10.1	16.7	44.7	100.5
0.0	37.5°	0.0	0.0	0.0	2.5	2.8	5.0	9.8	16.4	46.0	101.5
0.0	40°	0.0	0.0	0.0	1.9	2.2	4.7	9.8	16.7	41.6	99.3
0.0	42.5°	0.0	0.0	0.0	1.3	1.6	4.7	9.8	17.3	37.5	101.8
0.0	45°	0.0	0.0	0.0	0.9	1.3	5.0	9.5	17.0	35.3	115.0
0.0	47.5°	0.0	0.0	0.0	1.3	1.9	5.0	9.1	16.7	35.6	158.8
0.0	50°	0.0	0.0	0.0	1.6	2.2	5.0	9.5	16.1	39.1	244.2
0.0	52.5°	0.0	0.0	0.0	1.3	1.9	5.7	10.4	15.8	42.5	317.6
0.0	55°	0.0	0.0	0.0	0.3	0.9	7.2	11.3	15.8	47.9	335.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	8.2	12.9	16.7	56.7	328.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	8.2	13.2	16.7	57.3	322.3
0.0	60°	0.0	0.0	0.0	0.0	0.0	8.2	14.5	18.6	61.8	287.1
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	6.9	17.3	23.3	64.3	225.6
0.0	65°	0.0	0.0	0.0	0.0	0.0	5.7	20.5	25.5	66.2	179.6
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	5.4	21.1	25.8	67.1	143.1
0.0	70°	0.0	0.0	0.0	0.0	0.0	5.7	20.8	27.7	70.3	116.3
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	6.3	18.9	30.6	70.3	103.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	6.6	17.6	34.3	64.0	89.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	6.3	17.3	40.0	57.0	73.4
0.0	80°	0.6	0.9	0.9	0.6	0.6	5.4	17.0	40.6	48.5	50.4
0.3	82.5°	1.9	2.5	2.2	1.6	1.6	4.7	15.1	34.0	25.2	21.7
1.9	85°	3.5	4.1	4.1	3.5	3.5	4.4	9.5	12.3	8.5	6.9
3.5	87.5°	4.7	5.4	5.4	4.7	4.7	4.4	4.1	3.8	3.5	3.5
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: SP1-2407-184-13

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-927-U-5WQ

Data in this report applies to families of products including GSS-SB1A-927-U-5WQ

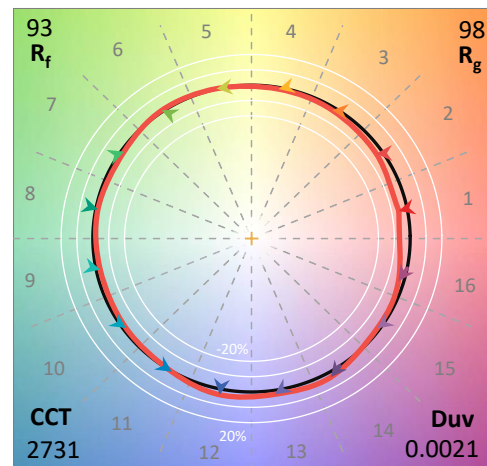
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-13
 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-927-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2731
 CIE u' : 0.2605
 CIE v' : 0.5298
 Duv: 0.0021
 CIE x: 0.4610
 CIE y: 0.4166
 CIE z: 0.1224
 Peak Wavelength (nm): 622
 Dominant Wavelength (nm): 583
 Purity: 63.43685
 R_f: 92.6
 R_g: 98

CRI (Ra): 91.8
 R1: 91.4
 R2: 95.1
 R3: 97.6
 R4: 92.3
 R5: 91.1
 R6: 94.7
 R7: 92.3
 R8: 80.0
 R9: 54.7
 R10: 87.7
 R11: 92.9
 R12: 84.0
 R13: 92.2
 R14: 97.8
 R15: 86.8



Test Conditions

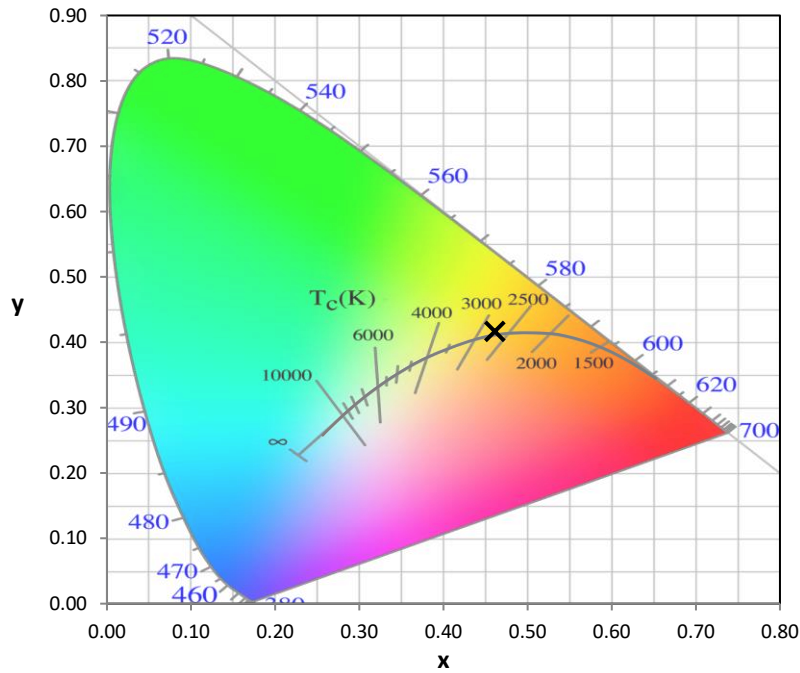
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

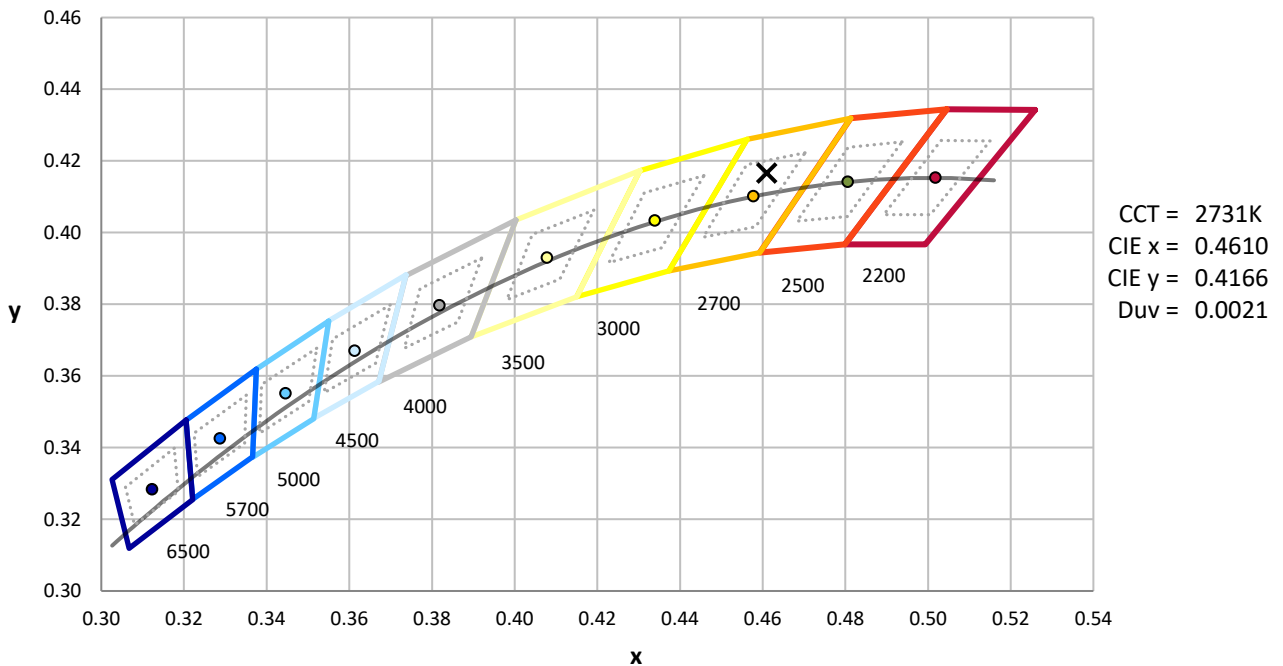
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-13

CIE 1931 Chromaticity Diagram



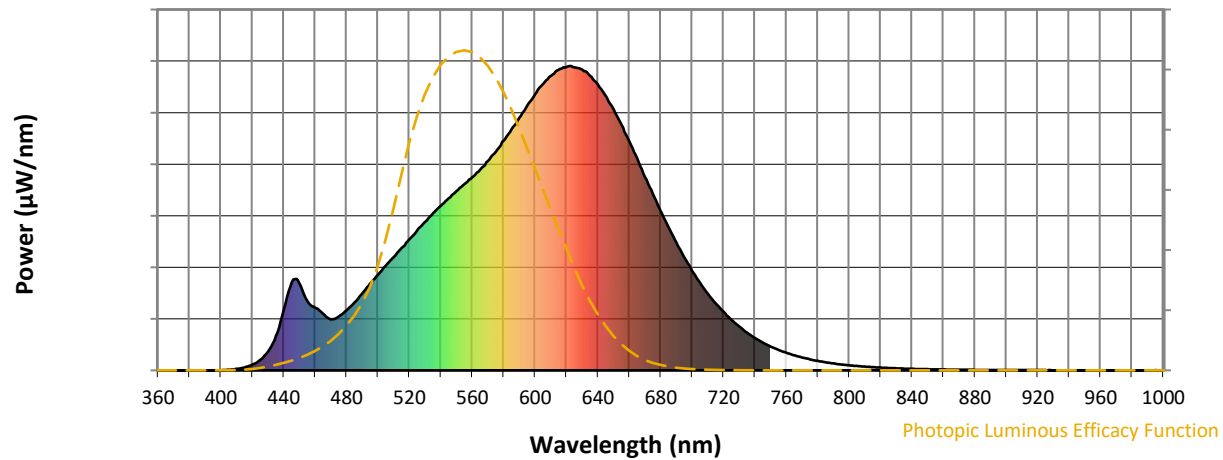
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

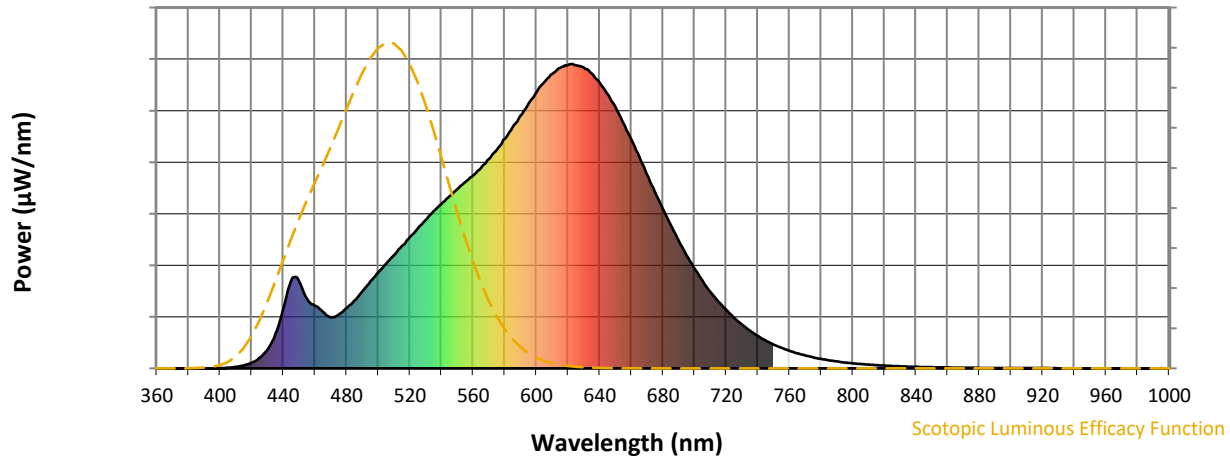


Photopic Lumens: NR

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

Scotopic Flux vs. Wavelength



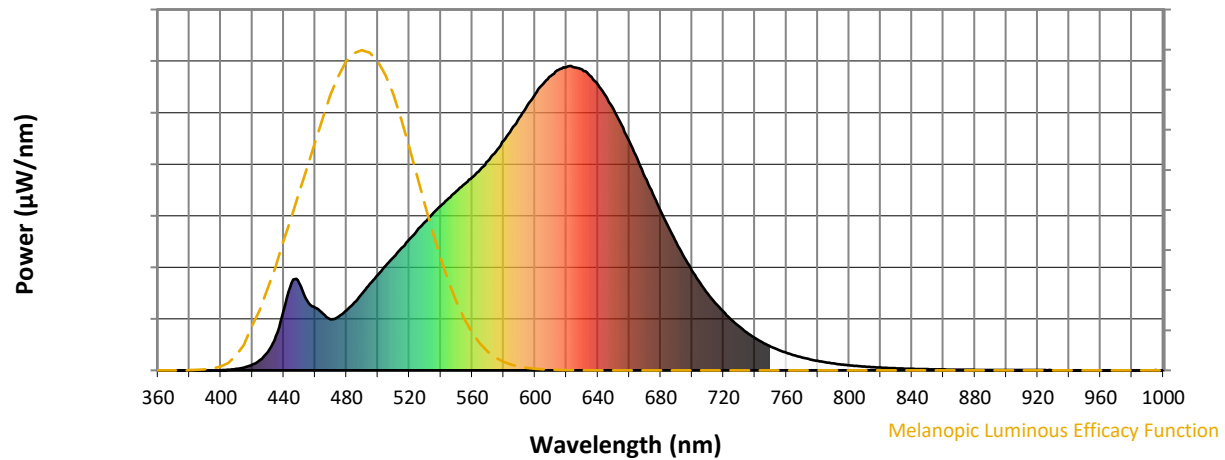
Scotopic Lumens: NR

S/P: 1.27

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	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.38

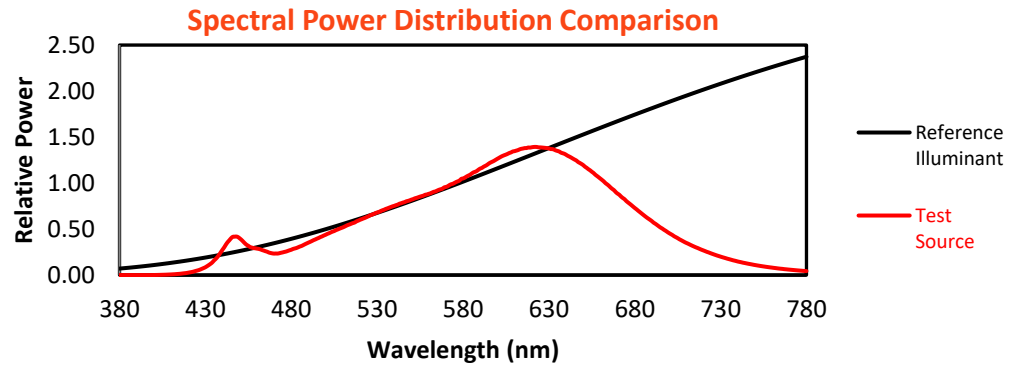
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	989	NR	760	58	NR	890	1	NR
375	0	NR	505	343	NR	635	969	NR	765	50	NR	895	1	NR
380	0	NR	510	372	NR	640	939	NR	770	42	NR	900	1	NR
385	0	NR	515	401	NR	645	901	NR	775	36	NR	905	1	NR
390	0	NR	520	431	NR	650	858	NR	780	31	NR	910	1	NR
395	0	NR	525	459	NR	655	806	NR	785	26	NR	915	1	NR
400	0	NR	530	488	NR	660	752	NR	790	23	NR	920	1	NR
405	2	NR	535	516	NR	665	696	NR	795	19	NR	925	1	NR
410	5	NR	540	540	NR	670	636	NR	800	17	NR	930	0	NR
415	10	NR	545	566	NR	675	579	NR	805	14	NR	935	0	NR
420	19	NR	550	589	NR	680	524	NR	810	12	NR	940	0	NR
425	34	NR	555	612	NR	685	470	NR	815	11	NR	945	0	NR
430	61	NR	560	634	NR	690	421	NR	820	9	NR	950	0	NR
435	113	NR	565	660	NR	695	371	NR	825	8	NR	955	0	NR
440	198	NR	570	688	NR	700	327	NR	830	7	NR	960	0	NR
445	288	NR	575	719	NR	705	288	NR	835	6	NR	965	0	NR
450	286	NR	580	754	NR	710	251	NR	840	5	NR	970	0	NR
455	228	NR	585	791	NR	715	220	NR	845	4	NR	975	0	NR
460	207	NR	590	831	NR	720	192	NR	850	4	NR	980	0	NR
465	186	NR	595	870	NR	725	166	NR	855	3	NR	985	0	NR
470	168	NR	600	907	NR	730	144	NR	860	3	NR	990	1	NR
475	177	NR	605	940	NR	735	124	NR	865	2	NR	995	1	NR
480	198	NR	610	967	NR	740	106	NR	870	2	NR	1000	0	NR
485	223	NR	615	988	NR	745	91	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-13

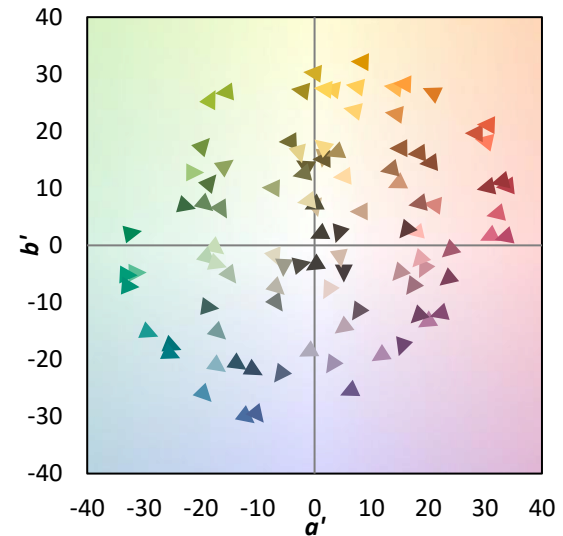
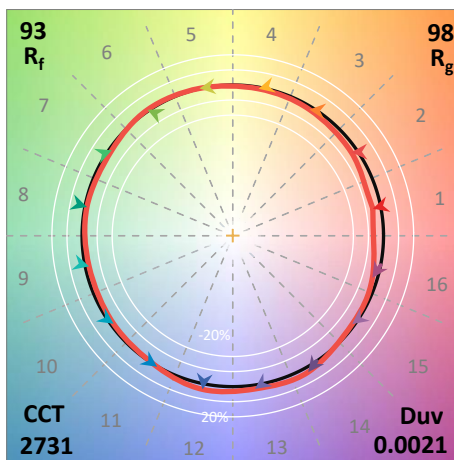
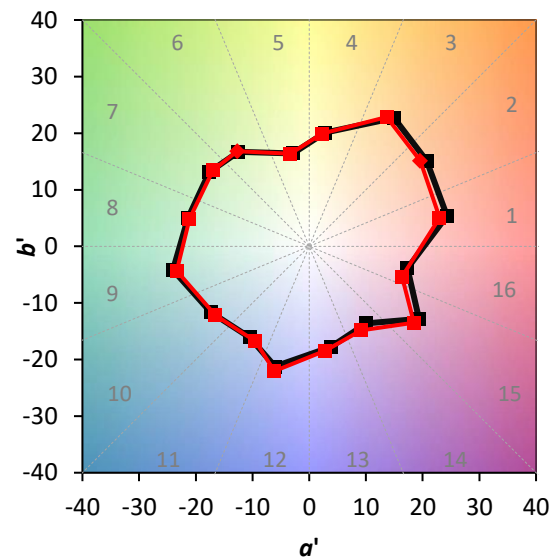
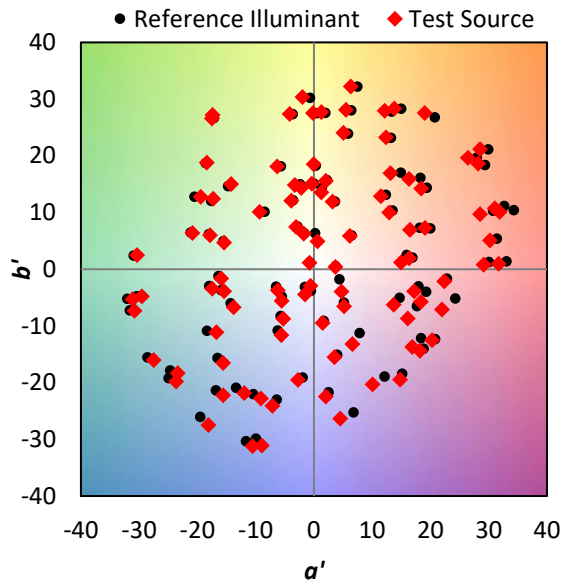
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98$
 $CIE R_a = 91.8$
 $R_9 = 54.7$

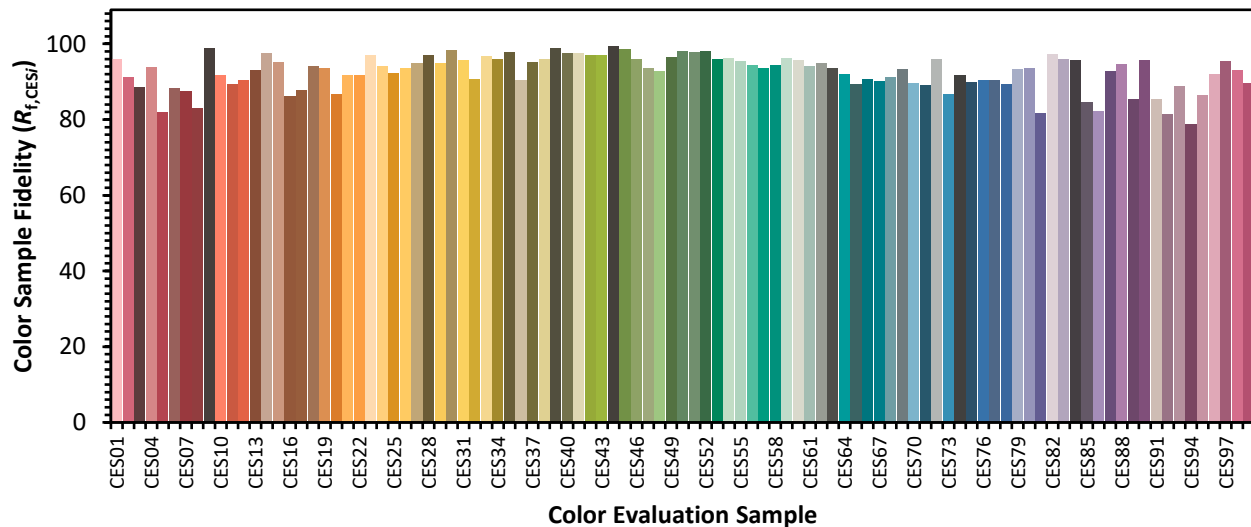


Color Vector Graphics

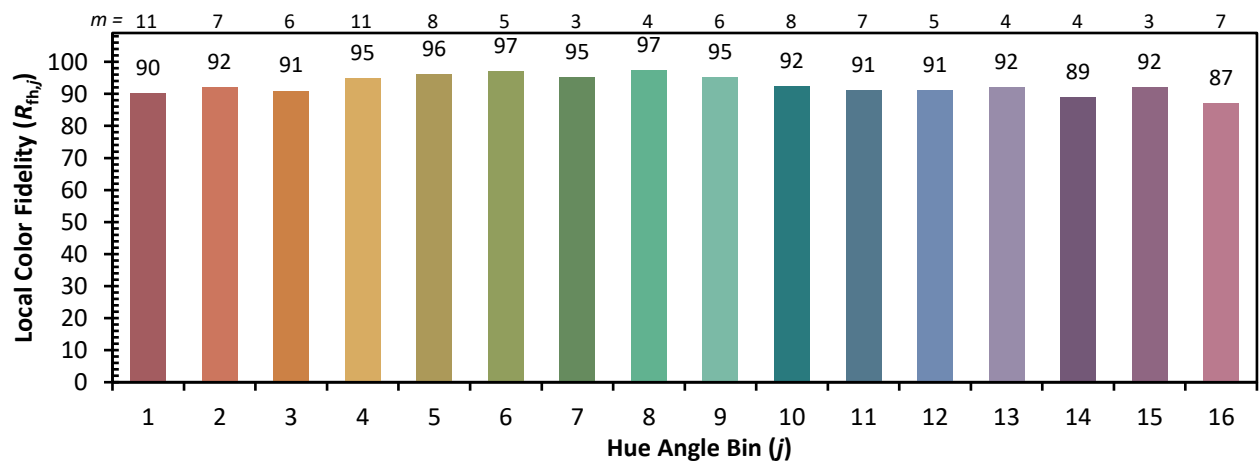
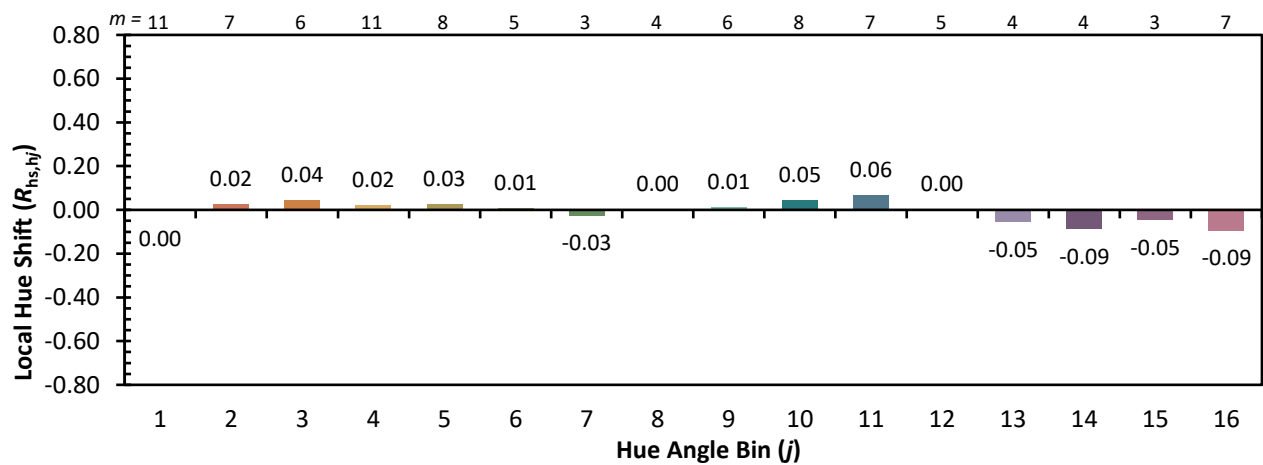
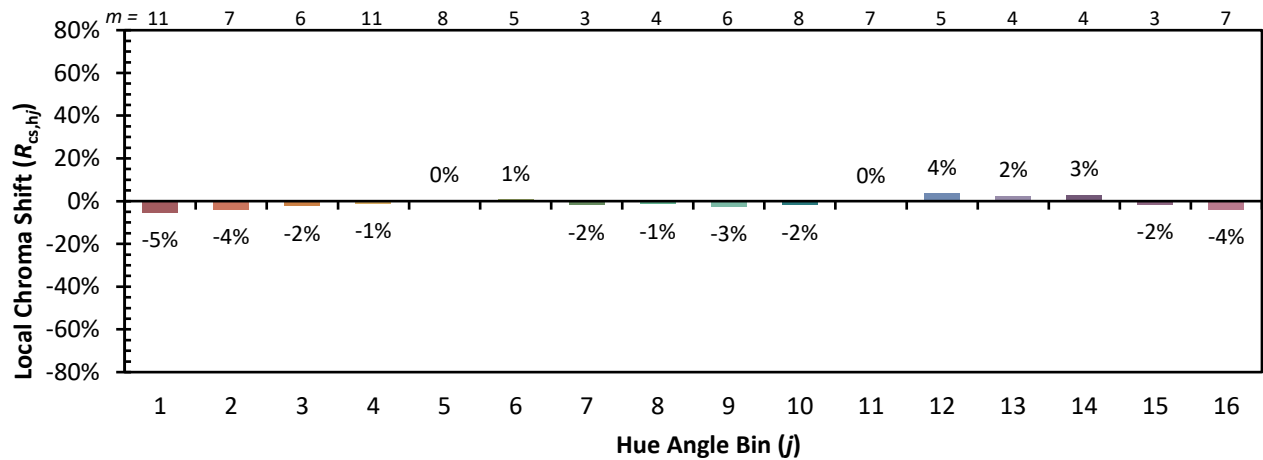


Individual Sample Fidelity Index ($R_{f,i}$)

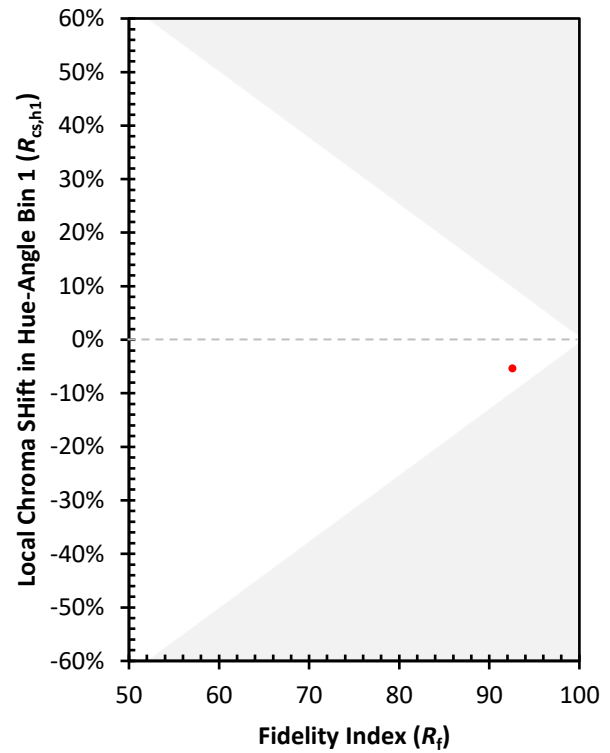
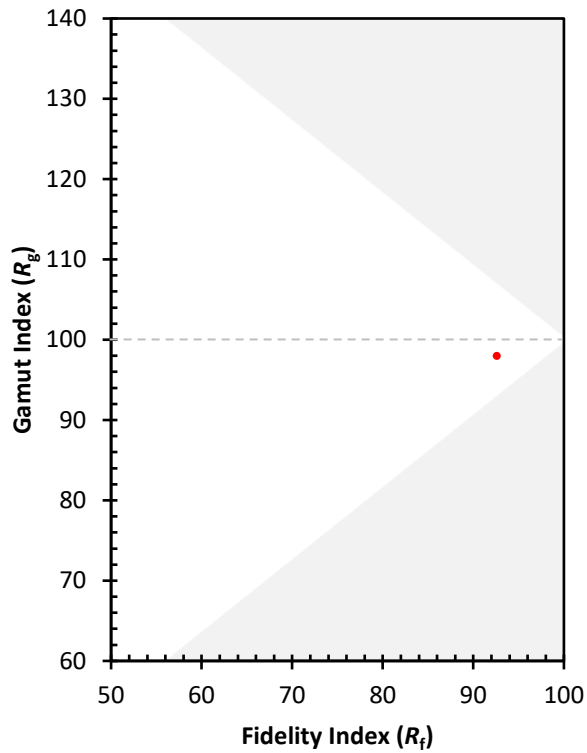
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 43	CES33 = 97	CES58 = 94	CES83 = 96
CES09 = 29	CES34 = 96	CES59 = 96	CES84 = 96
CES10 = 77	CES35 = 98	CES60 = 96	CES85 = 85
CES11 = 59	CES36 = 90	CES61 = 94	CES86 = 82
CES12 = 66	CES37 = 95	CES62 = 95	CES87 = 93
CES13 = 44	CES38 = 96	CES63 = 94	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 85
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 91	CES91 = 85
CES17 = 50	CES42 = 97	CES67 = 90	CES92 = 82
CES18 = 57	CES43 = 97	CES68 = 91	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 93	CES94 = 79
CES20 = 68	CES45 = 99	CES70 = 90	CES95 = 87
CES21 = 87	CES46 = 96	CES71 = 89	CES96 = 92
CES22 = 79	CES47 = 94	CES72 = 96	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 87	CES98 = 93
CES24 = 91	CES49 = 96	CES74 = 92	CES99 = 90
CES25 = 72	CES50 = 98	CES75 = 90	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)