

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: P1065693

Luminaire Tested: **GLAN-SA6A-950-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065693
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-950-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
90CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15374.2 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

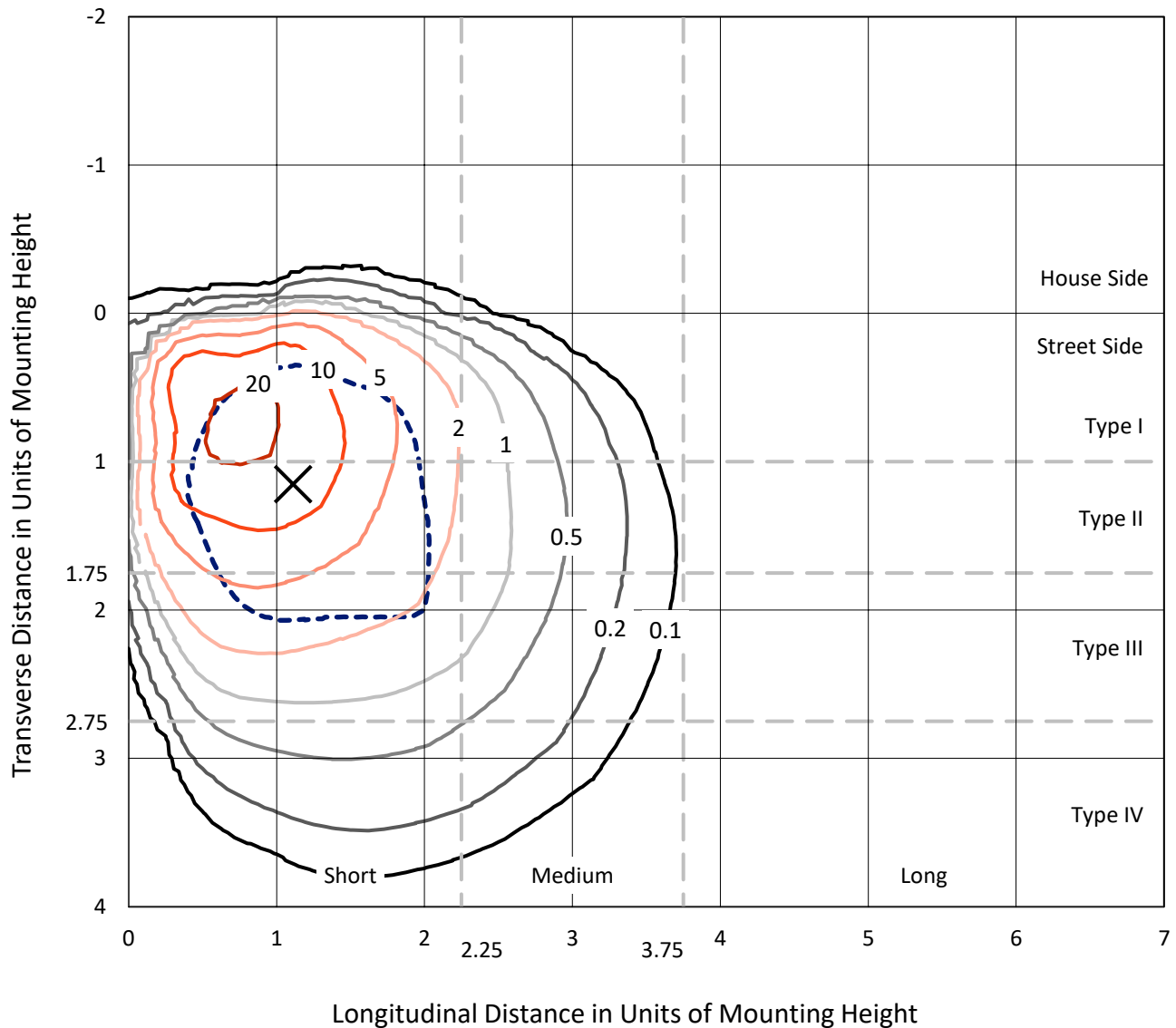
Input Watts (W): 162.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

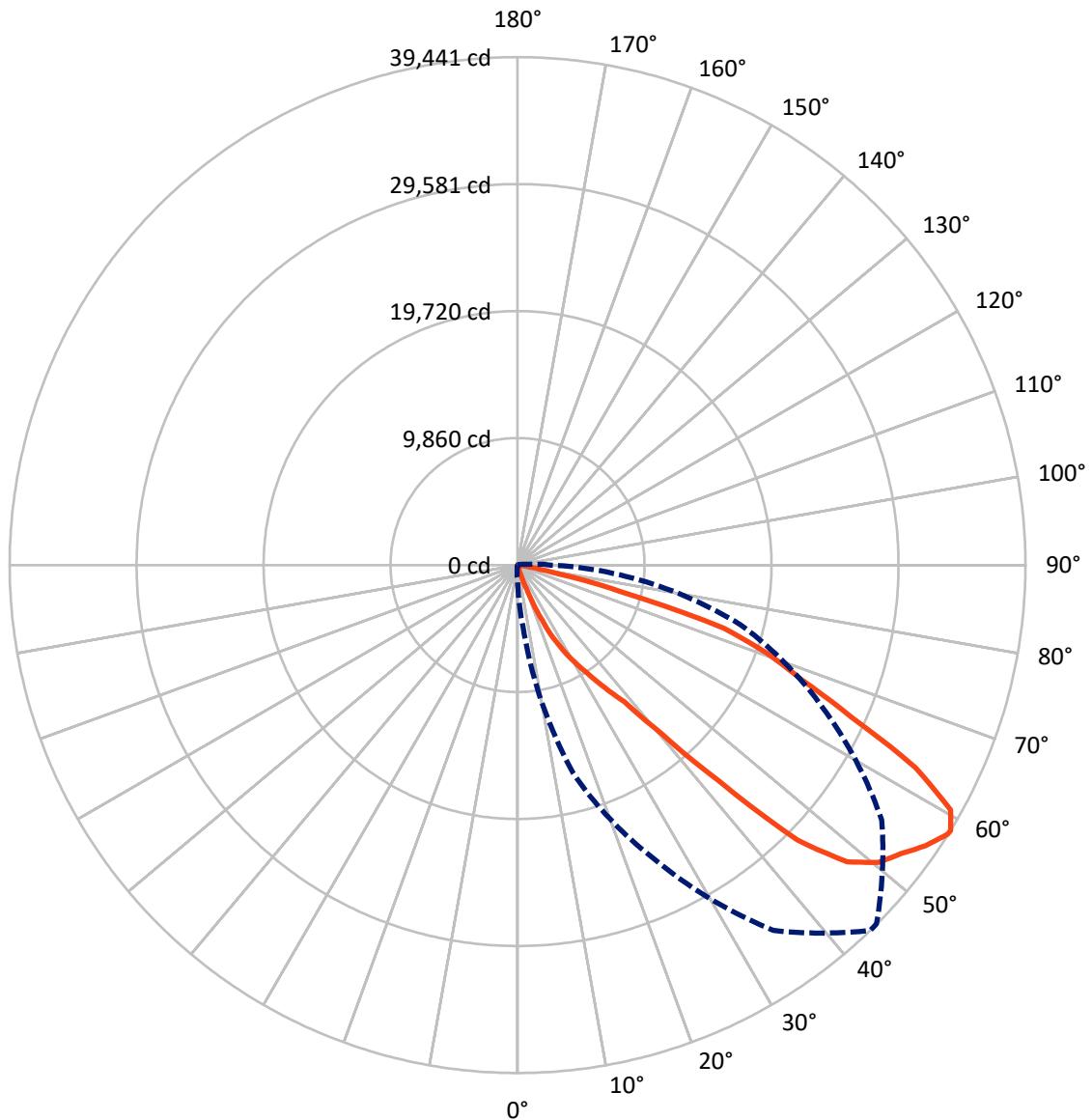
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 26.8 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	105.0	0.0	105.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	15269.3	0.0	15269.3
	% Fixture	99.3	0.0	99.3
Total	Lumens	15374.2	0.0	15374.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.0
10°-20°	33.7	0.2
20°-30°	364.2	2.4
30°-40°	1077.1	7.0
40°-50°	3210.4	20.9
50°-60°	5094.1	33.1
60°-70°	4249.1	27.6
70°-80°	1310.5	8.5
80°-90°	29.1	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°	15374.2	100.0
0°-180°	15374.2	100.0



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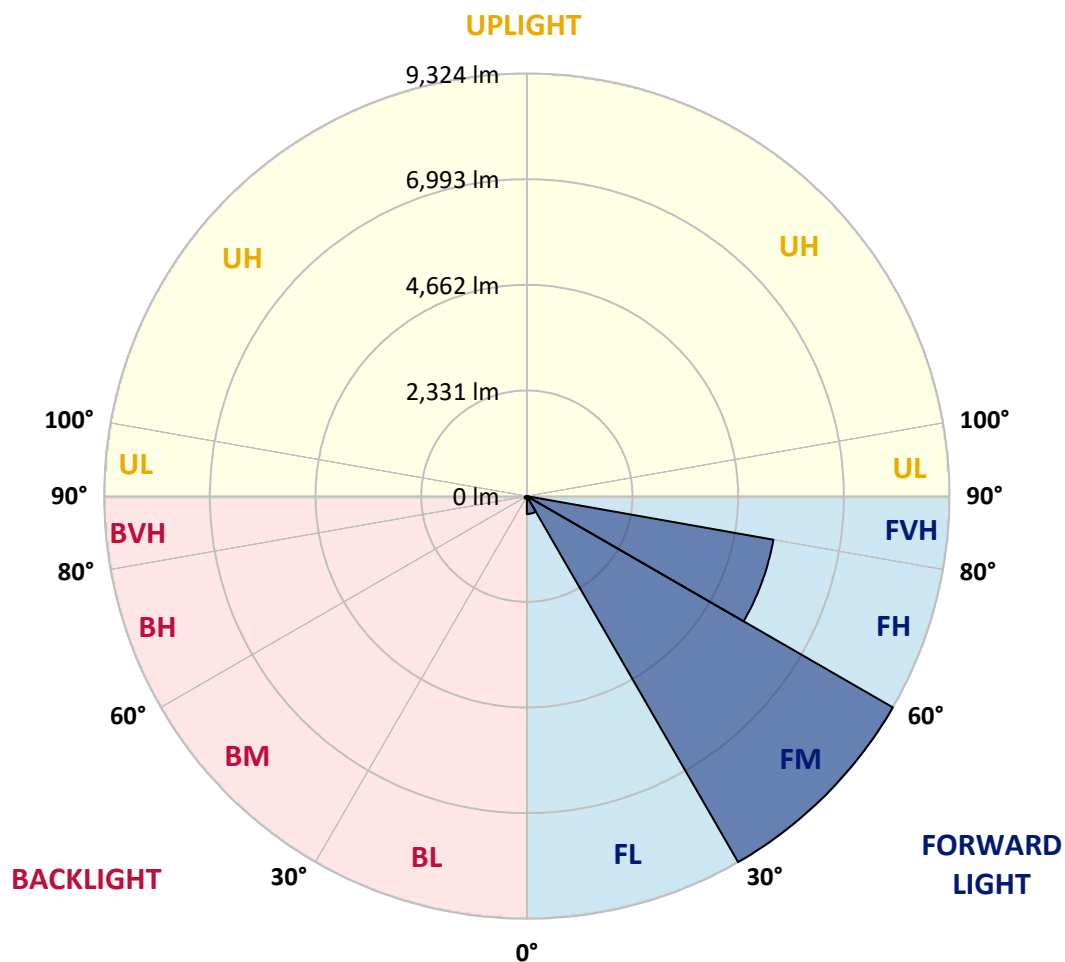
CATALOG NUMBER: GLAN-SA6A-950-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.7	2.6			
FM	(30°-60°)	9324.2	60.6			
FH	(60°-80°)	5523.7	35.9			G3/7500
FVH	(80°-90°)	27.7	0.2			G1/100
BL	(0°-30°)	10.3	0.1	B0/110		
BM	(30°-60°)	57.5	0.4	B0/220		
BH	(60°-80°)	35.8	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2.5°	87.1	87.1	83.6	79.0	74.3	69.7	68.5	66.2	65.0	63.9
5°	90.6	90.6	89.4	85.9	81.3	77.8	77.8	74.3	72.0	69.7
7.5°	92.9	94.1	96.4	95.2	92.9	89.4	89.4	87.1	83.6	77.8
10°	96.4	99.9	104.5	106.8	108.0	108.0	106.8	105.7	99.9	91.8
12.5°	99.9	106.8	118.5	130.1	137.0	146.3	145.2	142.9	127.8	110.3
15°	106.8	117.3	141.7	175.4	227.6	260.2	272.9	261.3	211.4	148.7
17.5°	115.0	132.4	205.6	367.0	601.6	713.1	780.5	725.9	480.8	282.2
20°	123.1	161.4	382.1	951.2	1560.9	1925.6	2026.6	1868.7	1199.7	537.7
22.5°	137.0	226.5	774.6	1966.2	3363.4	3910.4	4013.8	3508.6	2265.9	1061.5
25°	166.1	328.7	1335.6	3204.3	5019.5	5942.9	5899.9	5237.9	3675.8	1695.6
27.5°	207.9	478.5	2019.7	4552.7	6606.0	7420.1	7517.7	6698.9	4899.9	2493.5
30°	268.3	663.2	2753.7	5632.8	7877.7	8758.1	8774.3	7927.7	5995.1	3193.8
32.5°	326.4	837.4	3395.9	6676.9	9130.9	10096.0	10168.0	9126.2	6812.7	3923.2
35°	370.5	951.2	4046.3	7594.4	10394.5	11724.3	11719.6	10482.7	7781.3	4574.7
37.5°	374.0	1065.0	4635.1	8532.8	11994.9	13483.8	13631.3	12267.8	8952.0	5380.7
40°	365.8	1192.8	5380.7	9996.1	14878.6	17163.1	17293.1	15574.3	11300.4	6760.5
42.5°	375.1	1414.6	6590.9	12698.7	19667.0	22948.0	23198.8	21391.7	15617.3	9575.7
45°	423.9	1831.5	9126.2	17220.0	26492.5	30492.4	30408.8	27806.1	20640.3	13861.2
47.5°	585.3	2852.4	12884.5	21620.5	30854.7	34416.7	34488.7	31307.7	23571.6	17156.1
50°	900.1	4364.5	16042.3	23946.8	32730.4	36304.0	36236.6	32560.8	24685.4	18778.6
52.5°	1170.7	5458.5	17626.5	24763.2	32970.8	37236.6	37232.0	32890.7	24858.5	18917.9
55°	1238.0	5541.0	17639.2	24807.4	33509.7	38457.2	38610.5	33702.5	25082.6	18309.4
57.5°	1211.3	4905.7	16902.9	25062.9	34469.0	39401.4	39409.6	34488.7	25651.7	17936.6
58°	1188.1	4805.8	16754.3	25208.0	34633.9	39440.9	39421.2	34524.7	26115.1	17922.6
60°	1058.0	4172.9	16174.7	25578.5	34388.9	38630.3	38445.6	33738.5	26046.6	17779.8
62.5°	831.6	3255.4	15604.5	25150.0	31761.8	34705.9	34782.6	29869.9	23744.7	16947.1
65°	662.0	2426.2	14415.2	22060.7	26154.6	28500.6	28786.3	24289.4	19819.2	14350.2
67.5°	527.3	1753.7	12092.4	17563.8	20696.0	23786.5	23994.4	20392.9	15354.8	10994.9
70°	428.6	1185.8	8346.9	12845.0	17070.2	20545.1	20557.8	16941.2	11460.6	7204.1
72.5°	379.8	821.1	4845.3	9367.8	13841.5	16741.5	16403.5	13747.4	8808.0	4267.0
75°	328.7	544.7	2376.2	5726.8	8392.2	8449.1	8578.1	6377.2	4402.8	2029.0
77.5°	270.6	386.7	936.1	1564.4	2516.7	3221.7	3341.3	2531.8	1464.5	499.4
80°	185.8	183.5	252.0	479.7	720.1	902.4	842.0	651.5	383.3	191.6
82.5°	80.1	87.1	113.8	137.0	111.5	108.0	103.4	66.2	51.1	39.5
85°	25.6	23.2	24.4	24.4	19.7	15.1	15.1	7.0	0.0	0.0
87.5°	12.8	10.5	10.5	9.3	5.8	2.3	1.2	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°
67.4	0°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
62.7	2.5°	61.6	61.6	59.2	56.9	55.7	53.4	52.3	51.1	49.9	48.8
67.4	5°	65.0	63.9	60.4	56.9	53.4	49.9	47.6	45.3	43.0	41.8
74.3	7.5°	70.8	68.5	61.6	55.7	51.1	46.5	44.1	40.6	38.3	34.8
82.5	10°	77.8	73.2	63.9	56.9	49.9	44.1	40.6	37.2	33.7	29.0
94.1	12.5°	87.1	79.0	67.4	55.7	47.6	40.6	37.2	32.5	29.0	25.6
109.2	15°	95.2	84.8	68.5	55.7	45.3	37.2	32.5	27.9	24.4	19.7
137.0	17.5°	106.8	89.4	67.4	52.3	41.8	32.5	27.9	24.4	18.6	11.6
203.2	20°	126.6	92.9	65.0	48.8	36.0	26.7	20.9	16.3	8.1	2.3
305.4	22.5°	157.9	102.2	62.7	44.1	31.4	20.9	13.9	5.8	0.0	0.0
464.6	25°	218.3	118.5	62.7	41.8	27.9	15.1	4.6	0.0	0.0	0.0
659.7	27.5°	290.3	140.5	62.7	36.0	22.1	8.1	0.0	0.0	0.0	0.0
898.9	30°	363.5	164.9	62.7	31.4	17.4	1.2	0.0	0.0	0.0	0.0
1106.8	32.5°	433.2	185.8	63.9	26.7	11.6	0.0	0.0	0.0	0.0	0.0
1394.8	35°	504.0	189.3	62.7	23.2	7.0	0.0	0.0	0.0	0.0	0.0
1747.9	37.5°	594.6	182.3	59.2	20.9	3.5	0.0	0.0	0.0	0.0	0.0
2299.6	40°	731.7	185.8	55.7	19.7	1.2	0.0	0.0	0.0	0.0	0.0
3283.3	42.5°	984.9	200.9	51.1	19.7	0.0	0.0	0.0	0.0	0.0	0.0
5229.8	45°	1702.6	269.4	46.5	20.9	0.0	0.0	0.0	0.0	0.0	0.0
7851.0	47.5°	2816.4	484.3	45.3	20.9	0.0	0.0	0.0	0.0	0.0	0.0
9457.2	50°	3594.5	609.7	47.6	22.1	0.0	0.0	0.0	0.0	0.0	0.0
9658.1	52.5°	3588.7	679.4	49.9	23.2	4.6	0.0	0.0	0.0	0.0	0.0
8902.1	55°	3190.3	692.2	53.4	25.6	15.1	0.0	0.0	0.0	0.0	0.0
7650.1	57.5°	2666.6	631.8	61.6	31.4	27.9	0.0	0.0	0.0	0.0	0.0
7453.8	58°	2573.6	603.9	63.9	32.5	30.2	0.0	0.0	0.0	0.0	0.0
6465.5	60°	2109.1	492.4	81.3	40.6	40.6	0.0	0.0	0.0	0.0	0.0
5300.6	62.5°	1456.4	429.7	92.9	52.3	41.8	0.0	0.0	0.0	0.0	0.0
3908.1	65°	1030.2	387.9	101.0	55.7	33.7	0.0	0.0	0.0	0.0	0.0
2776.9	67.5°	770.0	357.7	111.5	56.9	17.4	0.0	0.0	0.0	0.0	0.0
1742.1	70°	590.0	335.6	137.0	60.4	4.6	0.0	0.0	0.0	0.0	0.0
1038.3	72.5°	480.8	310.1	166.1	62.7	0.0	0.0	0.0	0.0	0.0	0.0
622.5	75°	398.4	279.9	160.3	68.5	0.0	0.0	0.0	0.0	0.0	0.0
332.2	77.5°	264.8	217.2	146.3	68.5	0.0	0.0	0.0	0.0	0.0	0.0
118.5	80°	92.9	85.9	113.8	60.4	0.0	0.0	0.0	0.0	0.0	0.0
24.4	82.5°	13.9	11.6	16.3	20.9	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°
67.4	0°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
47.6	2.5°	47.6	47.6	46.5	47.6	47.6	49.9	55.7	63.9	73.2	76.7
40.6	5°	39.5	38.3	37.2	37.2	37.2	40.6	45.3	54.6	65.0	69.7
33.7	7.5°	32.5	31.4	30.2	29.0	29.0	31.4	37.2	47.6	58.1	62.7
27.9	10°	26.7	24.4	23.2	22.1	22.1	24.4	30.2	40.6	52.3	56.9
23.2	12.5°	22.1	18.6	16.3	15.1	13.9	17.4	23.2	32.5	45.3	51.1
17.4	15°	15.1	11.6	8.1	7.0	5.8	9.3	15.1	25.6	38.3	45.3
9.3	17.5°	8.1	3.5	1.2	0.0	0.0	2.3	7.0	18.6	31.4	37.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	23.2	29.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	13.9	19.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	10.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	3.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	9.3
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°
67.4	0°	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
80.1	2.5°	82.5	81.3	79.0	76.7	76.7	76.7	80.1	83.6	87.1	87.1
72.0	5°	76.7	76.7	75.5	73.2	73.2	74.3	79.0	84.8	89.4	90.6
66.2	7.5°	70.8	73.2	70.8	69.7	70.8	72.0	76.7	83.6	90.6	92.9
61.6	10°	67.4	68.5	68.5	67.4	67.4	69.7	74.3	83.6	92.9	96.4
55.7	12.5°	62.7	65.0	63.9	63.9	63.9	66.2	72.0	82.5	95.2	99.9
49.9	15°	58.1	61.6	61.6	60.4	60.4	61.6	69.7	81.3	98.7	106.8
43.0	17.5°	53.4	56.9	58.1	55.7	55.7	58.1	66.2	81.3	101.0	115.0
34.8	20°	44.1	49.9	53.4	49.9	49.9	52.3	60.4	76.7	102.2	123.1
25.6	22.5°	34.8	40.6	45.3	44.1	44.1	45.3	55.7	73.2	103.4	137.0
15.1	25°	25.6	31.4	34.8	37.2	37.2	40.6	51.1	70.8	108.0	166.1
7.0	27.5°	15.1	22.1	26.7	29.0	30.2	34.8	47.6	68.5	116.1	207.9
0.0	30°	7.0	12.8	18.6	23.2	23.2	31.4	44.1	66.2	126.6	268.3
0.0	32.5°	0.0	5.8	9.3	16.3	17.4	25.6	40.6	63.9	141.7	326.4
0.0	35°	0.0	0.0	4.6	12.8	12.8	20.9	37.2	61.6	164.9	370.5
0.0	37.5°	0.0	0.0	0.0	9.3	10.5	18.6	36.0	60.4	169.6	374.0
0.0	40°	0.0	0.0	0.0	7.0	8.1	17.4	36.0	61.6	153.3	365.8
0.0	42.5°	0.0	0.0	0.0	4.6	5.8	17.4	36.0	63.9	138.2	375.1
0.0	45°	0.0	0.0	0.0	3.5	4.6	18.6	34.8	62.7	130.1	423.9
0.0	47.5°	0.0	0.0	0.0	4.6	7.0	18.6	33.7	61.6	131.2	585.3
0.0	50°	0.0	0.0	0.0	5.8	8.1	18.6	34.8	59.2	144.0	900.1
0.0	52.5°	0.0	0.0	0.0	4.6	7.0	20.9	38.3	58.1	156.8	1170.7
0.0	55°	0.0	0.0	0.0	1.2	3.5	26.7	41.8	58.1	176.5	1238.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	30.2	47.6	61.6	209.1	1211.3
0.0	58°	0.0	0.0	0.0	0.0	0.0	30.2	48.8	61.6	211.4	1188.1
0.0	60°	0.0	0.0	0.0	0.0	0.0	30.2	53.4	68.5	227.6	1058.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	25.6	63.9	85.9	236.9	831.6
0.0	65°	0.0	0.0	0.0	0.0	0.0	20.9	75.5	94.1	243.9	662.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	19.7	77.8	95.2	247.4	527.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	20.9	76.7	102.2	259.0	428.6
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	23.2	69.7	112.7	259.0	379.8
0.0	75°	0.0	0.0	0.0	0.0	0.0	24.4	65.0	126.6	235.8	328.7
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	23.2	63.9	147.5	210.2	270.6
0.0	80°	2.3	3.5	3.5	2.3	2.3	19.7	62.7	149.8	178.9	185.8
1.2	82.5°	7.0	9.3	8.1	5.8	5.8	17.4	55.7	125.4	92.9	80.1
7.0	85°	12.8	15.1	15.1	12.8	12.8	16.3	34.8	45.3	31.4	25.6
12.8	87.5°	17.4	19.7	19.7	17.4	17.4	16.3	15.1	13.9	12.8	12.8
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: SP1-2407-184-17

Test Date: 10/11/2024

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

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

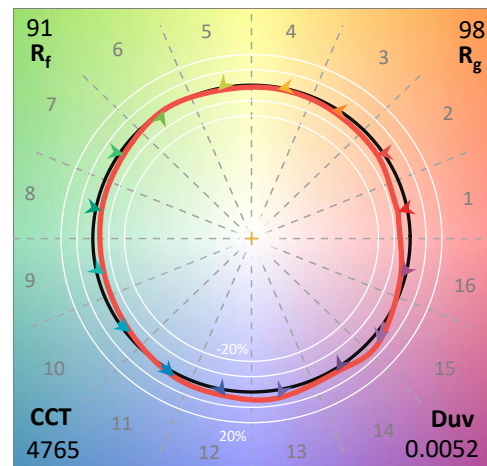
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

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

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



Test Conditions

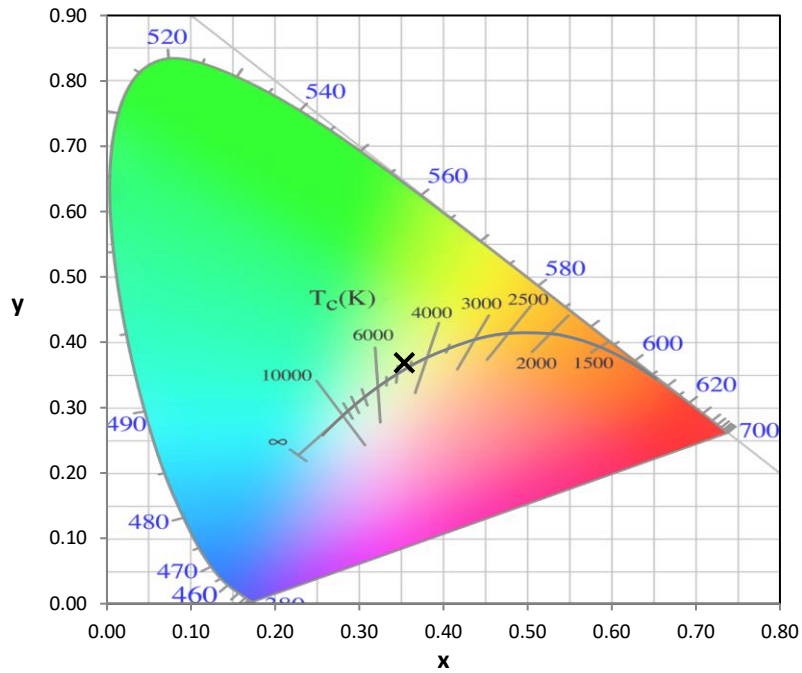
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

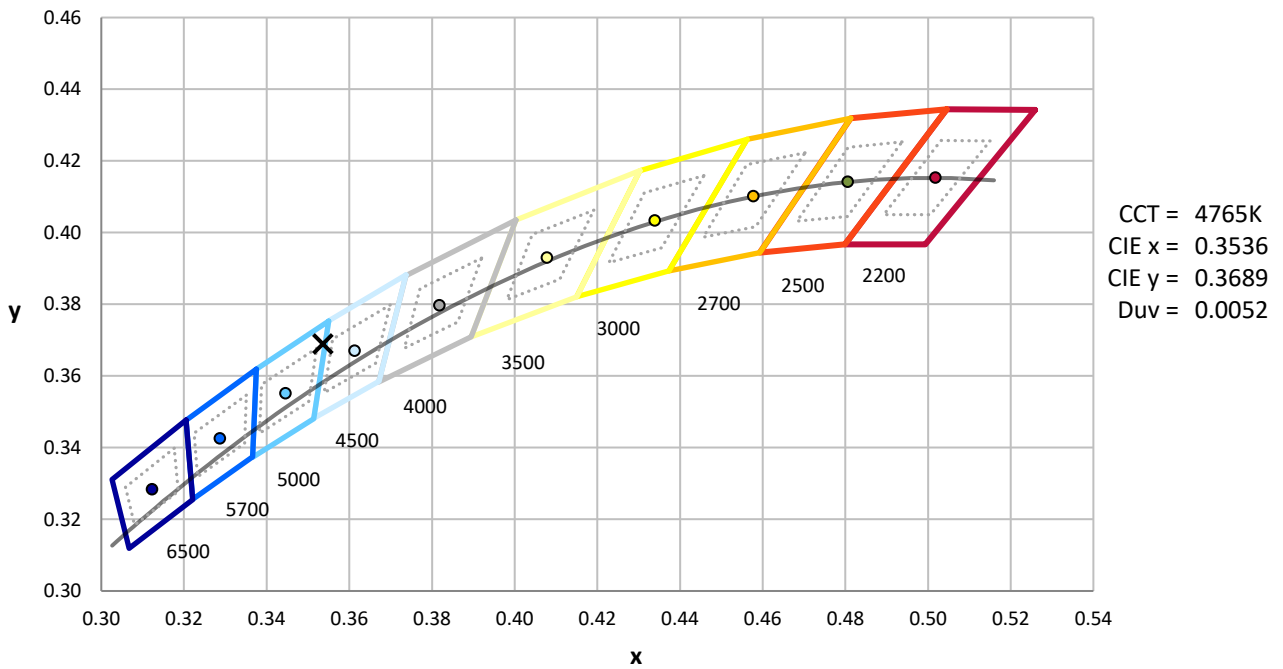
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



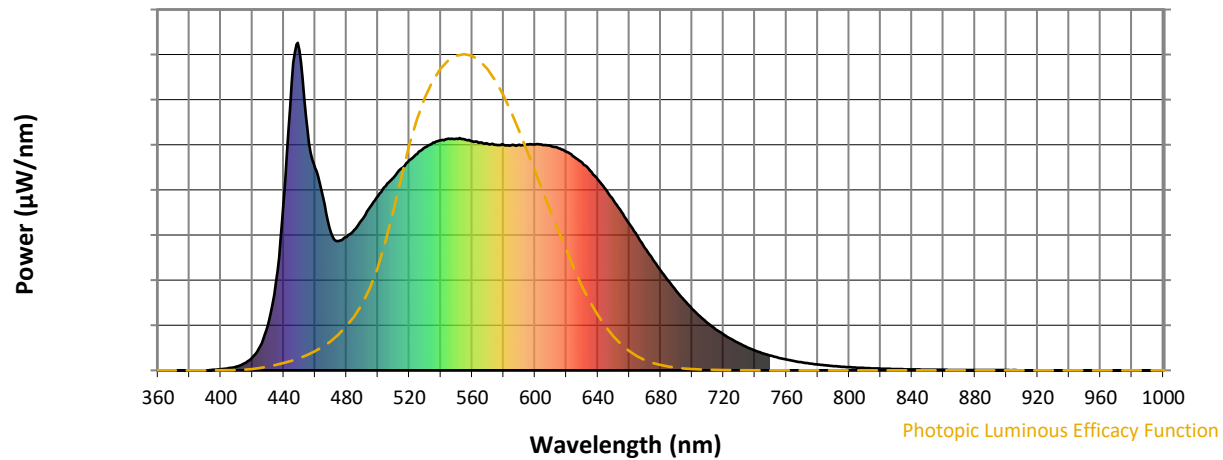
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

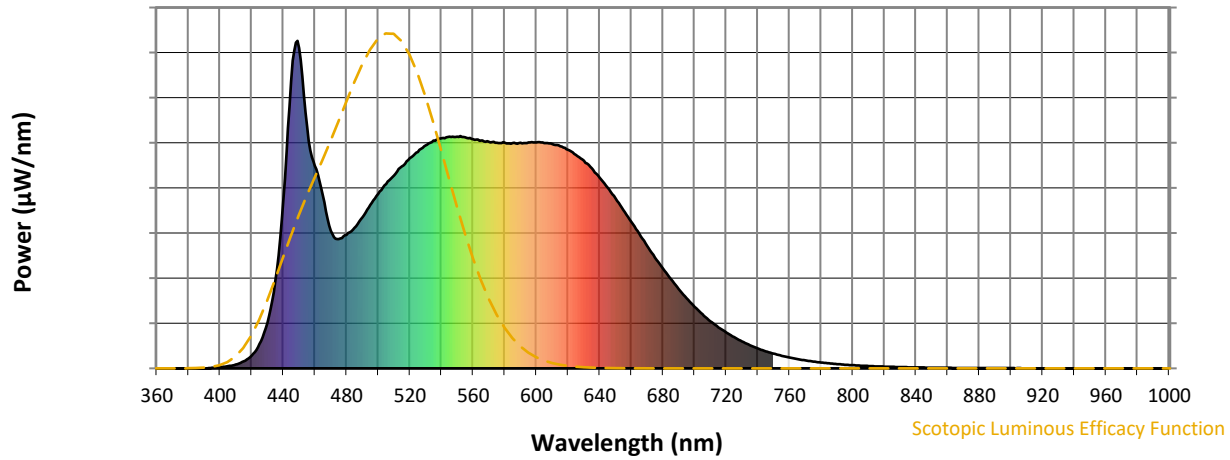


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



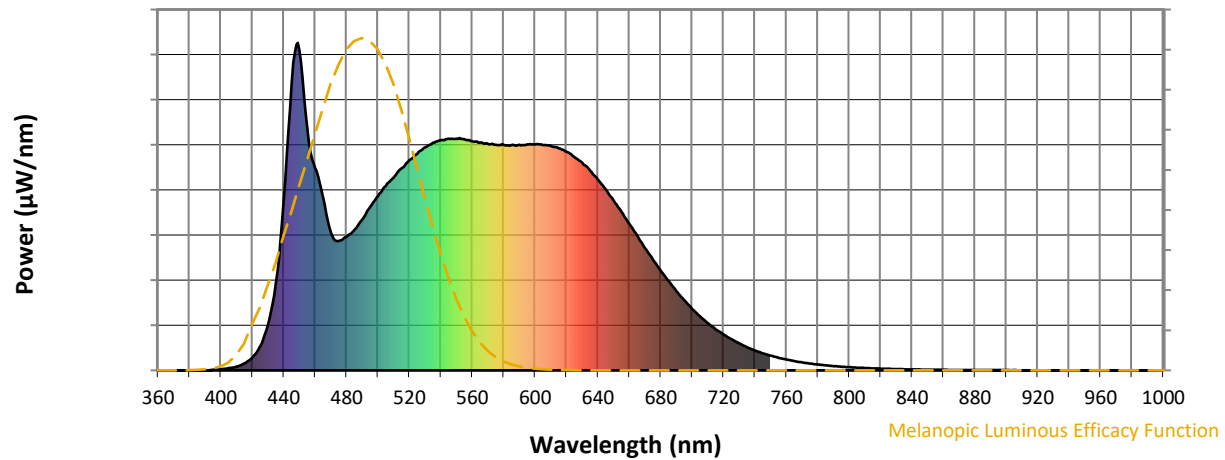
Scotopic Lumens: NR

S/P: 1.99

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

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

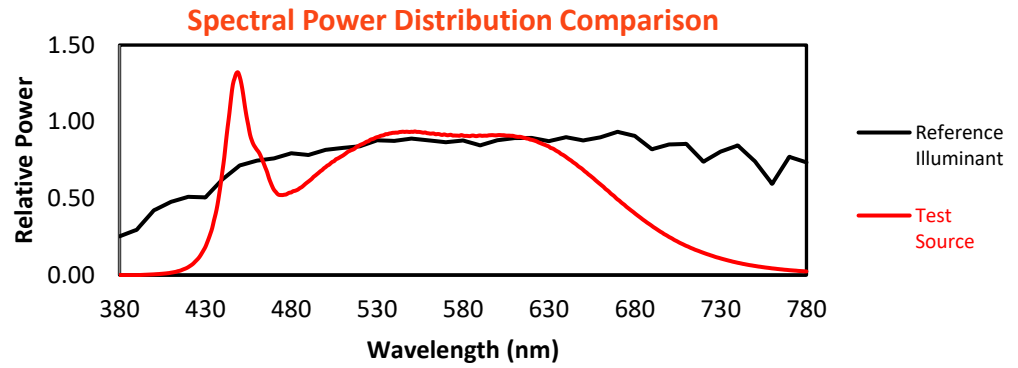
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	462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

REPORT NUMBER: SP1-2407-184-17

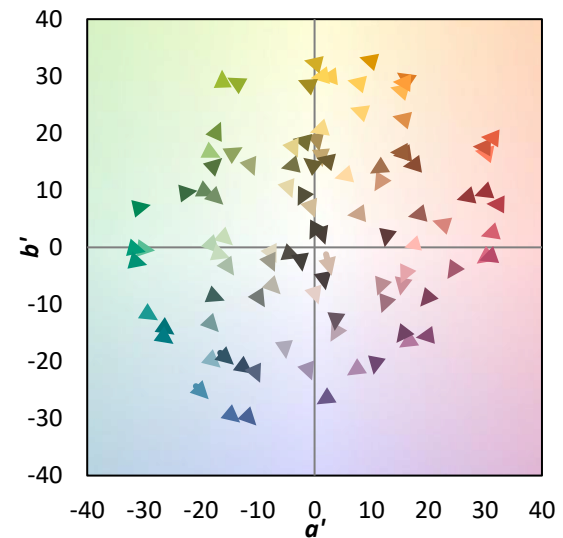
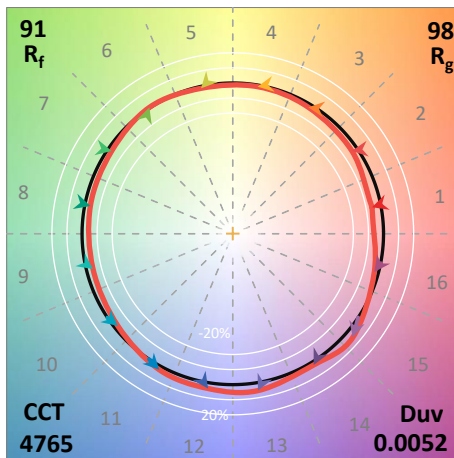
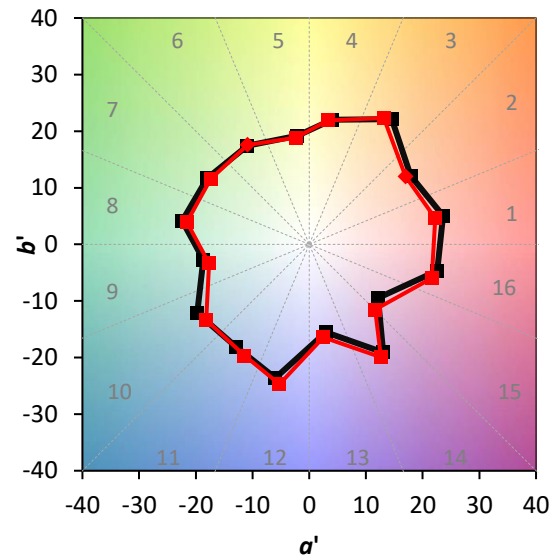
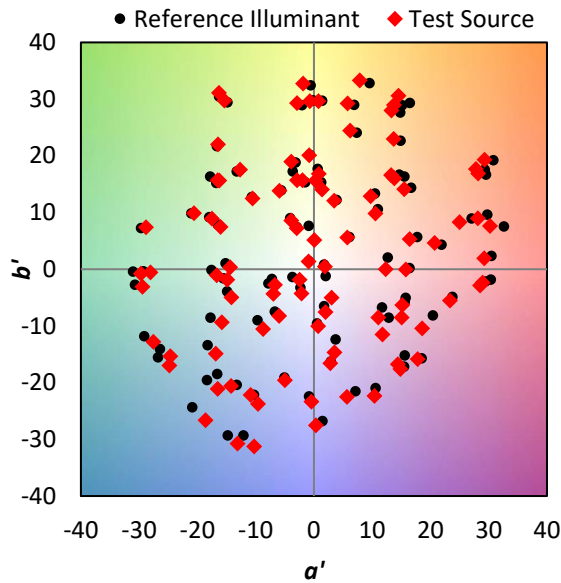
TM-30-18

Summary

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

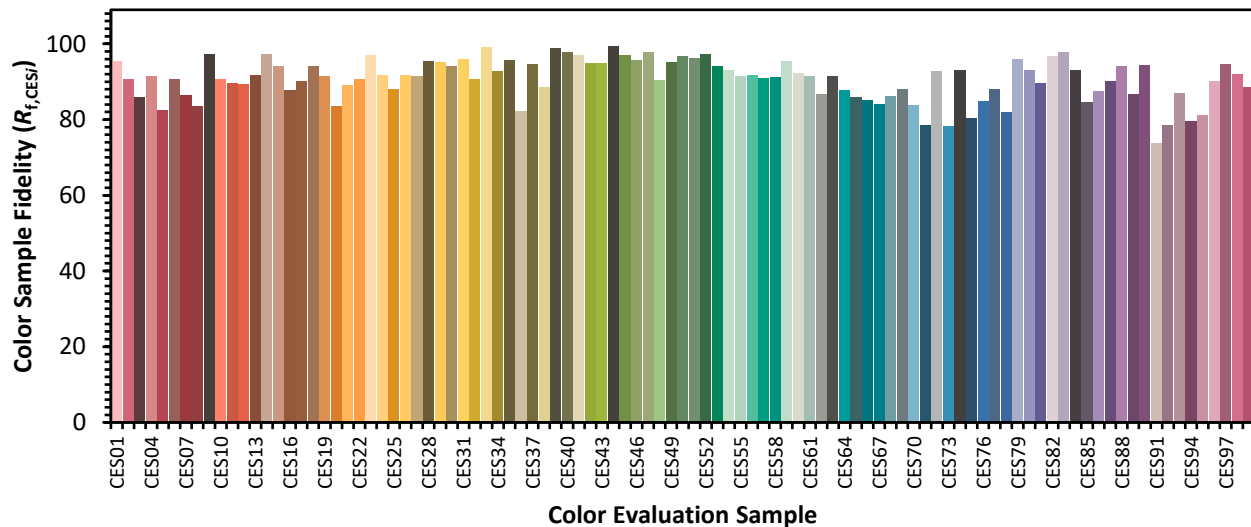


Color Vector Graphics

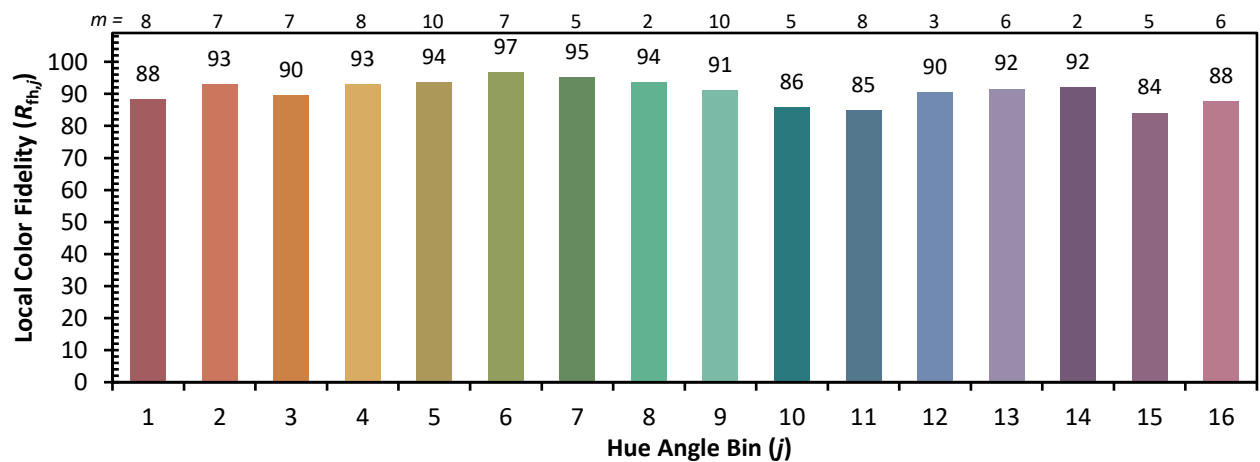
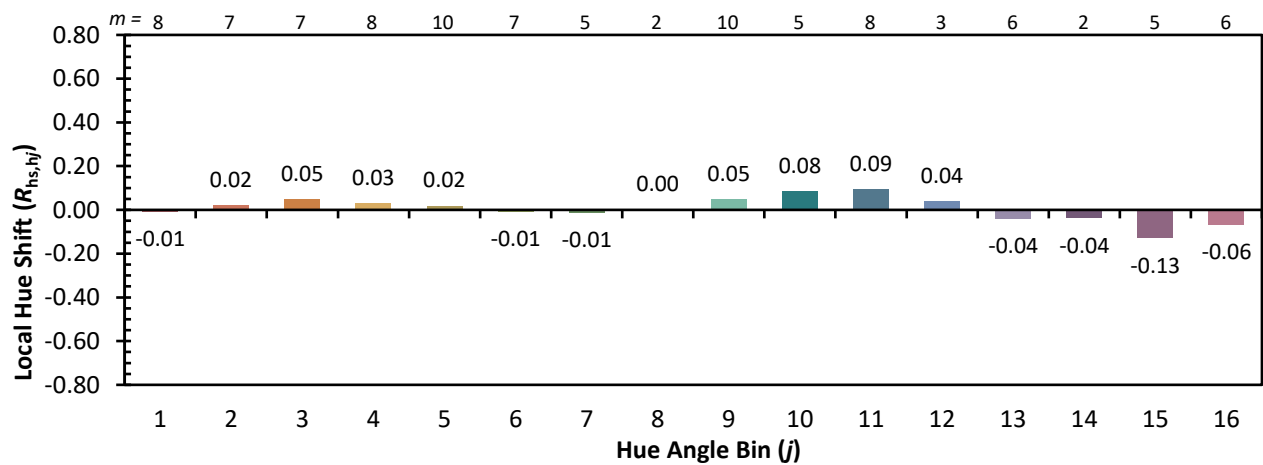
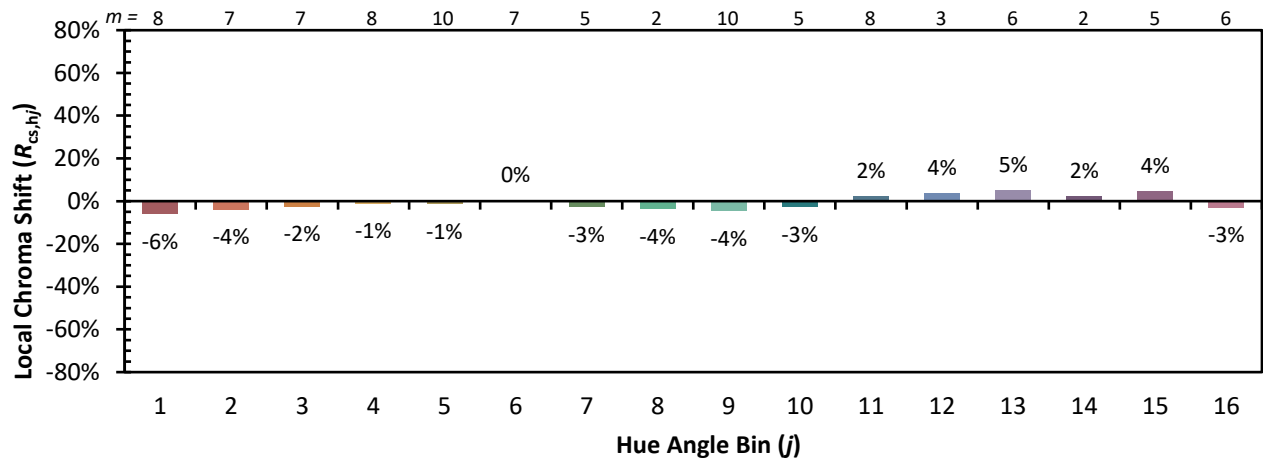


Individual Sample Fidelity Index ($R_{f,i}$)

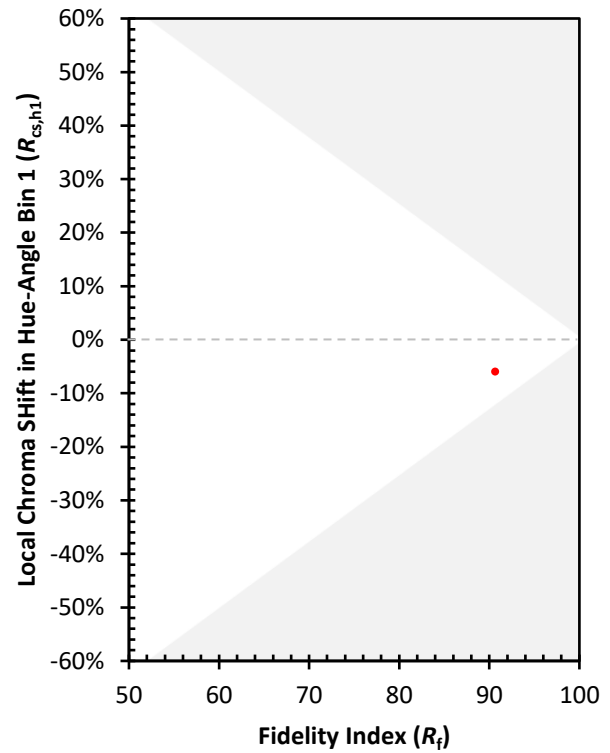
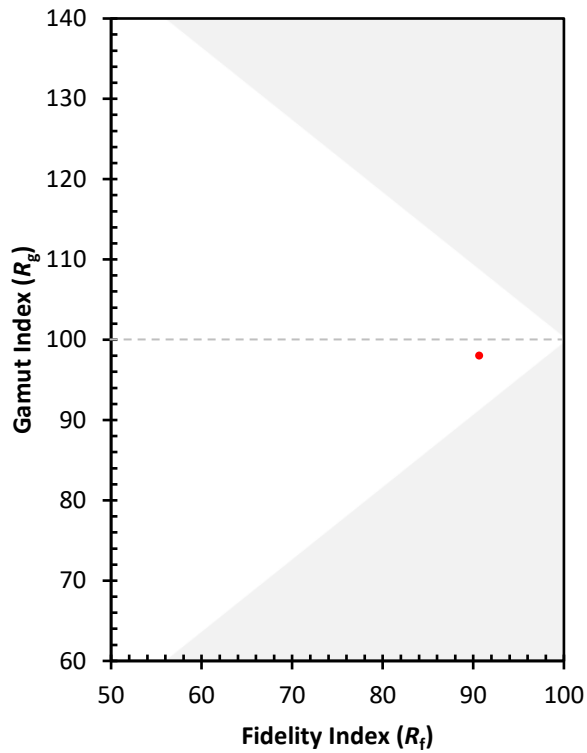
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)