

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: P1065565

Luminaire Tested: **GLAN-SA1A-930-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065565
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-930-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
90CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2299.2 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29
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

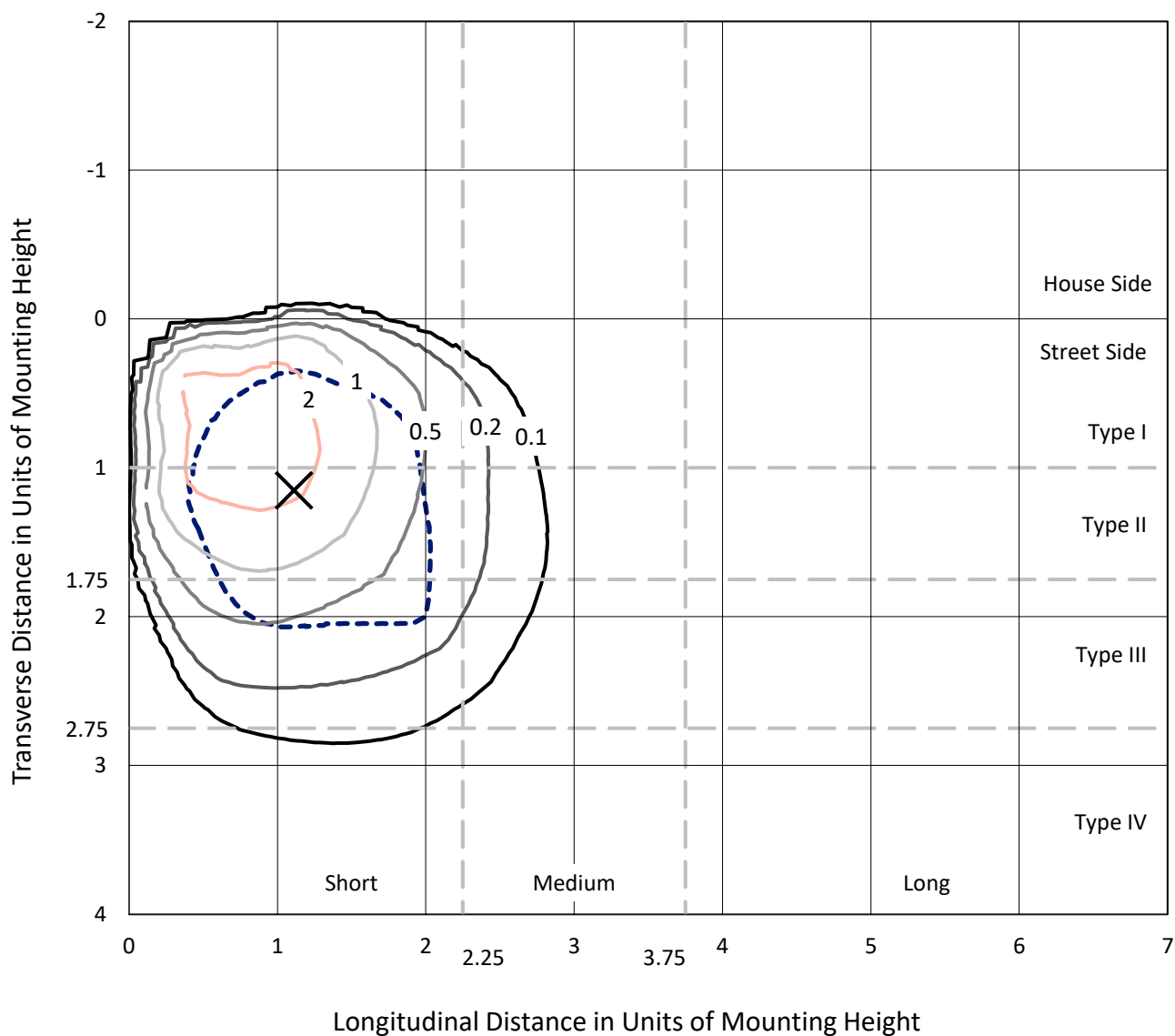
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

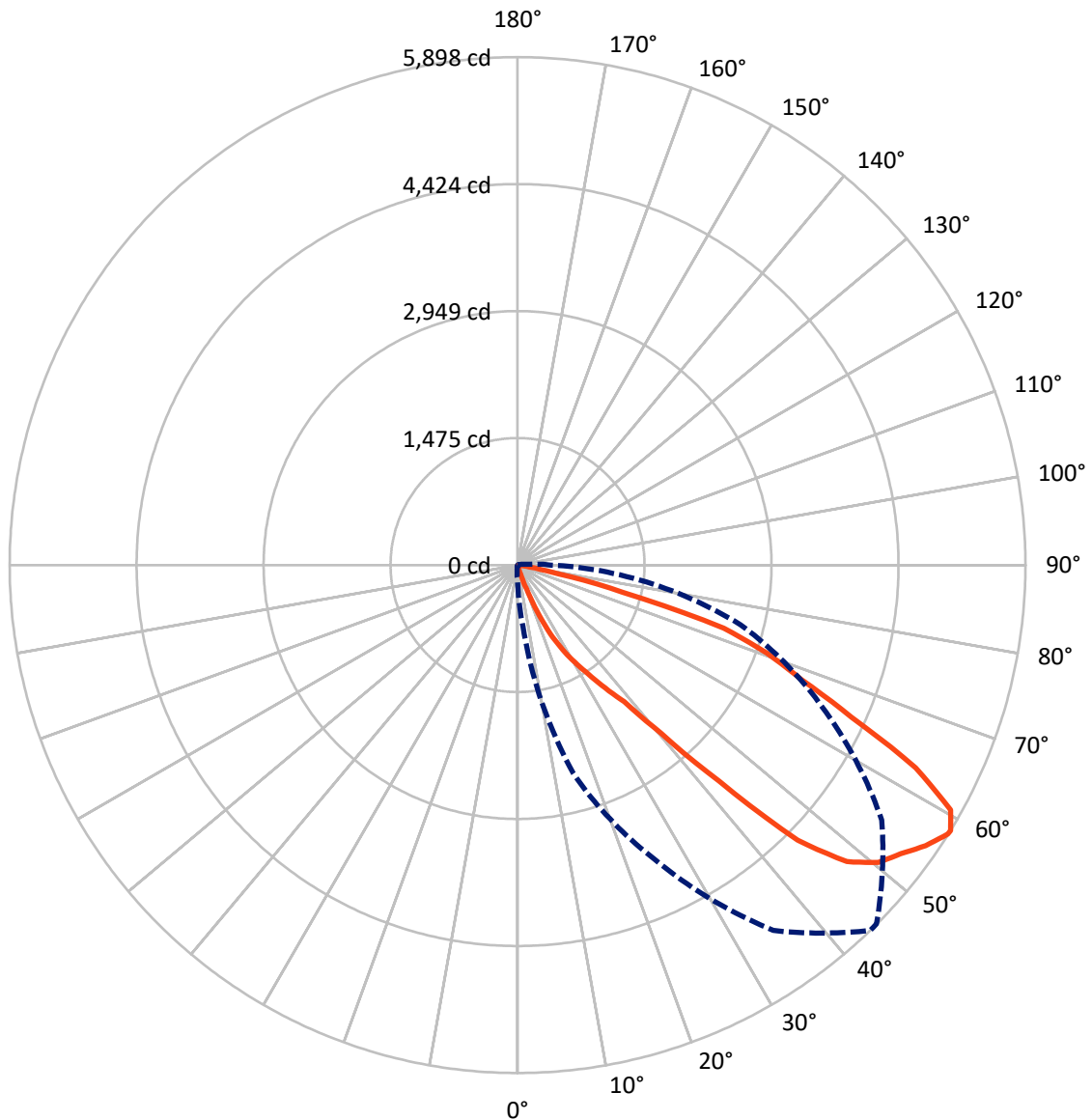


Based on 20 foot mounting height. Maximum calculated value = 4 fc

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	15.7	0.0	15.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	2283.5	0.0	2283.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	2299.2	0.0	2299.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	5.0	0.2
20°-30°	54.5	2.4
30°-40°	161.1	7.0
40°-50°	480.1	20.9
50°-60°	761.8	33.1
60°-70°	635.4	27.6
70°-80°	196.0	8.5
80°-90°	4.4	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°	2299.2	100.0
0°-180°	2299.2	100.0



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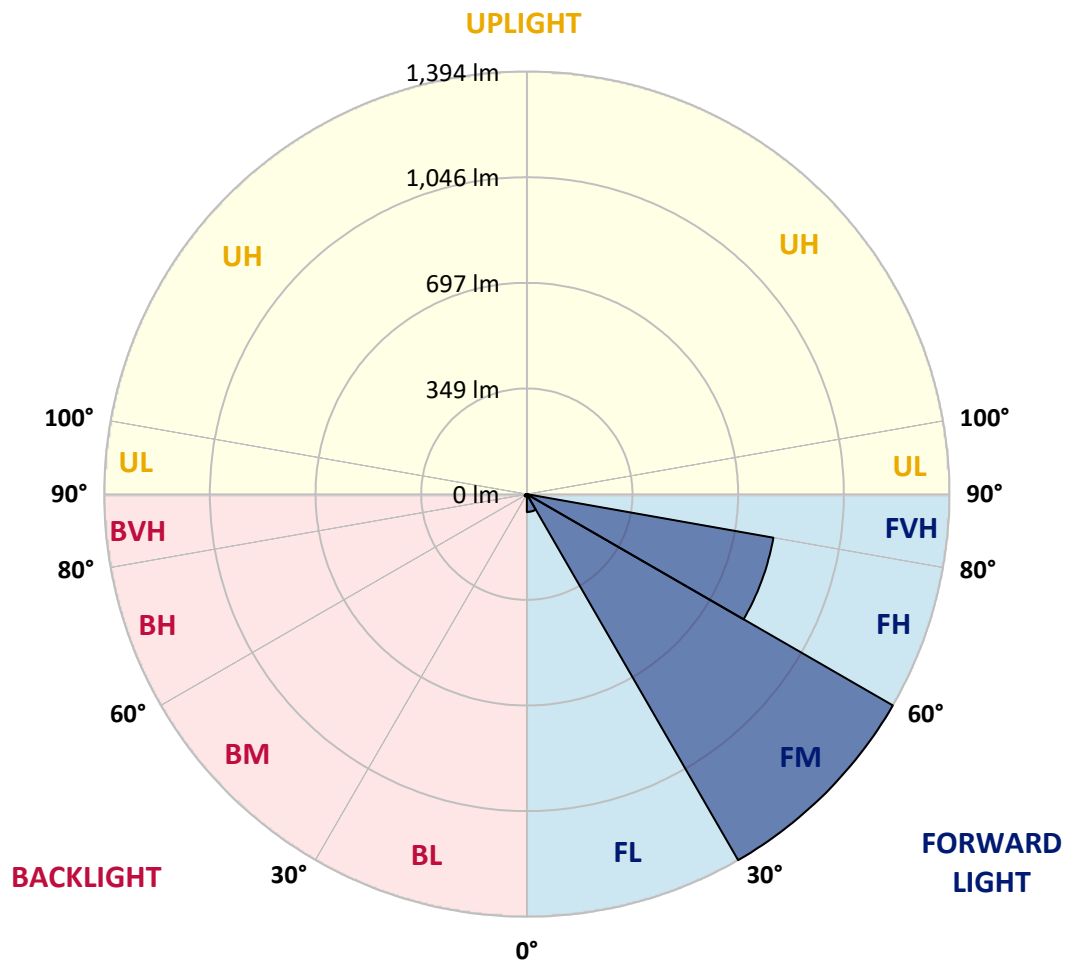
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.9	2.6			
FM	(30°-60°)	1394.4	60.6			
FH	(60°-80°)	826.1	35.9			G1/1800
FVH	(80°-90°)	4.1	0.2			G0/10
BL	(0°-30°)	1.5	0.1	B0/110		
BM	(30°-60°)	8.6	0.4	B0/220		
BH	(60°-80°)	5.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
2.5°	13.0	13.0	12.5	11.8	11.1	10.4	10.2	9.9	9.7	9.6
5°	13.5	13.5	13.4	12.9	12.2	11.6	11.6	11.1	10.8	10.4
7.5°	13.9	14.1	14.4	14.2	13.9	13.4	13.4	13.0	12.5	11.6
10°	14.4	14.9	15.6	16.0	16.2	16.2	16.0	15.8	14.9	13.7
12.5°	14.9	16.0	17.7	19.5	20.5	21.9	21.7	21.4	19.1	16.5
15°	16.0	17.5	21.2	26.2	34.0	38.9	40.8	39.1	31.6	22.2
17.5°	17.2	19.8	30.7	54.9	90.0	106.6	116.7	108.6	71.9	42.2
20°	18.4	24.1	57.1	142.2	233.4	288.0	303.1	279.5	179.4	80.4
22.5°	20.5	33.9	115.8	294.0	503.0	584.8	600.2	524.7	338.9	158.7
25°	24.8	49.2	199.7	479.2	750.7	888.7	882.3	783.3	549.7	253.6
27.5°	31.1	71.6	302.0	680.8	987.9	1109.7	1124.2	1001.8	732.8	372.9
30°	40.1	99.2	411.8	842.4	1178.1	1309.7	1312.2	1185.6	896.5	477.6
32.5°	48.8	125.2	507.8	998.5	1365.5	1509.8	1520.6	1364.8	1018.8	586.7
35°	55.4	142.2	605.1	1135.7	1554.5	1753.3	1752.6	1567.7	1163.7	684.1
37.5°	55.9	159.3	693.2	1276.0	1793.8	2016.5	2038.5	1834.6	1338.7	804.7
40°	54.7	178.4	804.7	1494.9	2225.0	2566.7	2586.1	2329.1	1689.9	1011.0
42.5°	56.1	211.5	985.6	1899.0	2941.1	3431.8	3469.3	3199.1	2335.5	1432.0
45°	63.4	273.9	1364.8	2575.2	3961.9	4560.0	4547.5	4158.3	3086.7	2072.9
47.5°	87.5	426.6	1926.8	3233.3	4614.2	5146.9	5157.7	4682.0	3525.1	2565.6
50°	134.6	652.7	2399.1	3581.2	4894.7	5429.1	5419.1	4869.4	3691.6	2808.3
52.5°	175.1	816.3	2636.0	3703.3	4930.7	5568.6	5567.9	4918.7	3717.5	2829.1
55°	185.1	828.6	2637.9	3709.9	5011.3	5751.1	5774.1	5040.1	3751.0	2738.1
57.5°	181.2	733.6	2527.8	3748.1	5154.7	5892.3	5893.6	5157.7	3836.1	2682.4
58°	177.7	718.7	2505.5	3769.8	5179.4	5898.3	5895.3	5163.1	3905.4	2680.3
60°	158.2	624.0	2418.9	3825.2	5142.7	5777.0	5749.4	5045.5	3895.2	2658.9
62.5°	124.4	486.8	2333.6	3761.1	4749.9	5190.1	5201.6	4466.9	3550.9	2534.4
65°	99.0	362.8	2155.7	3299.1	3911.3	4262.2	4304.9	3632.4	2963.9	2146.0
67.5°	78.9	262.3	1808.4	2626.6	3095.0	3557.2	3588.3	3049.7	2296.3	1644.3
70°	64.1	177.3	1248.3	1920.9	2552.8	3072.4	3074.4	2533.5	1713.9	1077.4
72.5°	56.8	122.8	724.6	1400.9	2069.9	2503.6	2453.1	2055.9	1317.2	638.1
75°	49.2	81.5	355.4	856.4	1255.0	1263.5	1282.8	953.7	658.4	303.4
77.5°	40.5	57.8	140.0	234.0	376.4	481.8	499.7	378.6	219.0	74.7
80°	27.8	27.4	37.7	71.7	107.7	135.0	125.9	97.4	57.3	28.7
82.5°	12.0	13.0	17.0	20.5	16.7	16.2	15.5	9.9	7.6	5.9
85°	3.8	3.5	3.6	3.6	3.0	2.3	2.3	1.0	0.0	0.0
87.5°	1.9	1.6	1.6	1.4	0.9	0.3	0.2	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°
10.1	0°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
9.4	2.5°	9.2	9.2	8.9	8.5	8.3	8.0	7.8	7.6	7.5	7.3
10.1	5°	9.7	9.6	9.0	8.5	8.0	7.5	7.1	6.8	6.4	6.3
11.1	7.5°	10.6	10.2	9.2	8.3	7.6	6.9	6.6	6.1	5.7	5.2
12.3	10°	11.6	10.9	9.6	8.5	7.5	6.6	6.1	5.6	5.0	4.3
14.1	12.5°	13.0	11.8	10.1	8.3	7.1	6.1	5.6	4.9	4.3	3.8
16.3	15°	14.2	12.7	10.2	8.3	6.8	5.6	4.9	4.2	3.6	3.0
20.5	17.5°	16.0	13.4	10.1	7.8	6.3	4.9	4.2	3.6	2.8	1.7
30.4	20°	18.9	13.9	9.7	7.3	5.4	4.0	3.1	2.4	1.2	0.3
45.7	22.5°	23.6	15.3	9.4	6.6	4.7	3.1	2.1	0.9	0.0	0.0
69.5	25°	32.7	17.7	9.4	6.3	4.2	2.3	0.7	0.0	0.0	0.0
98.7	27.5°	43.4	21.0	9.4	5.4	3.3	1.2	0.0	0.0	0.0	0.0
134.4	30°	54.4	24.7	9.4	4.7	2.6	0.2	0.0	0.0	0.0	0.0
165.5	32.5°	64.8	27.8	9.6	4.0	1.7	0.0	0.0	0.0	0.0	0.0
208.6	35°	75.4	28.3	9.4	3.5	1.0	0.0	0.0	0.0	0.0	0.0
261.4	37.5°	88.9	27.3	8.9	3.1	0.5	0.0	0.0	0.0	0.0	0.0
343.9	40°	109.4	27.8	8.3	3.0	0.2	0.0	0.0	0.0	0.0	0.0
491.0	42.5°	147.3	30.0	7.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0
782.1	45°	254.6	40.3	6.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0
1174.1	47.5°	421.2	72.4	6.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0
1414.3	50°	537.5	91.2	7.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0
1444.3	52.5°	536.7	101.6	7.5	3.5	0.7	0.0	0.0	0.0	0.0	0.0
1331.3	55°	477.1	103.5	8.0	3.8	2.3	0.0	0.0	0.0	0.0	0.0
1144.0	57.5°	398.8	94.5	9.2	4.7	4.2	0.0	0.0	0.0	0.0	0.0
1114.7	58°	384.9	90.3	9.6	4.9	4.5	0.0	0.0	0.0	0.0	0.0
966.9	60°	315.4	73.6	12.2	6.1	6.1	0.0	0.0	0.0	0.0	0.0
792.7	62.5°	217.8	64.3	13.9	7.8	6.3	0.0	0.0	0.0	0.0	0.0
584.4	65°	154.1	58.0	15.1	8.3	5.0	0.0	0.0	0.0	0.0	0.0
415.3	67.5°	115.2	53.5	16.7	8.5	2.6	0.0	0.0	0.0	0.0	0.0
260.5	70°	88.2	50.2	20.5	9.0	0.7	0.0	0.0	0.0	0.0	0.0
155.3	72.5°	71.9	46.4	24.8	9.4	0.0	0.0	0.0	0.0	0.0	0.0
93.1	75°	59.6	41.9	24.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0
49.7	77.5°	39.6	32.5	21.9	10.2	0.0	0.0	0.0	0.0	0.0	0.0
17.7	80°	13.9	12.9	17.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
3.6	82.5°	2.1	1.7	2.4	3.1	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°
10.1	0°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
7.1	2.5°	7.1	7.1	6.9	7.1	7.1	7.5	8.3	9.6	10.9	11.5
6.1	5°	5.9	5.7	5.6	5.6	5.6	6.1	6.8	8.2	9.7	10.4
5.0	7.5°	4.9	4.7	4.5	4.3	4.3	4.7	5.6	7.1	8.7	9.4
4.2	10°	4.0	3.6	3.5	3.3	3.3	3.6	4.5	6.1	7.8	8.5
3.5	12.5°	3.3	2.8	2.4	2.3	2.1	2.6	3.5	4.9	6.8	7.6
2.6	15°	2.3	1.7	1.2	1.0	0.9	1.4	2.3	3.8	5.7	6.8
1.4	17.5°	1.2	0.5	0.2	0.0	0.0	0.3	1.0	2.8	4.7	5.6
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.5	4.3
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	2.1	3.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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	0.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
10.1	0°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
12.0	2.5°	12.3	12.2	11.8	11.5	11.5	11.5	12.0	12.5	13.0	13.0
10.8	5°	11.5	11.5	11.3	10.9	10.9	11.1	11.8	12.7	13.4	13.5
9.9	7.5°	10.6	10.9	10.6	10.4	10.6	10.8	11.5	12.5	13.5	13.9
9.2	10°	10.1	10.2	10.2	10.1	10.1	10.4	11.1	12.5	13.9	14.4
8.3	12.5°	9.4	9.7	9.6	9.6	9.6	9.9	10.8	12.3	14.2	14.9
7.5	15°	8.7	9.2	9.2	9.0	9.0	9.2	10.4	12.2	14.8	16.0
6.4	17.5°	8.0	8.5	8.7	8.3	8.3	8.7	9.9	12.2	15.1	17.2
5.2	20°	6.6	7.5	8.0	7.5	7.5	7.8	9.0	11.5	15.3	18.4
3.8	22.5°	5.2	6.1	6.8	6.6	6.6	6.8	8.3	10.9	15.5	20.5
2.3	25°	3.8	4.7	5.2	5.6	5.6	6.1	7.6	10.6	16.2	24.8
1.0	27.5°	2.3	3.3	4.0	4.3	4.5	5.2	7.1	10.2	17.4	31.1
0.0	30°	1.0	1.9	2.8	3.5	3.5	4.7	6.6	9.9	18.9	40.1
0.0	32.5°	0.0	0.9	1.4	2.4	2.6	3.8	6.1	9.6	21.2	48.8
0.0	35°	0.0	0.0	0.7	1.9	1.9	3.1	5.6	9.2	24.7	55.4
0.0	37.5°	0.0	0.0	0.0	1.4	1.6	2.8	5.4	9.0	25.4	55.9
0.0	40°	0.0	0.0	0.0	1.0	1.2	2.6	5.4	9.2	22.9	54.7
0.0	42.5°	0.0	0.0	0.0	0.7	0.9	2.6	5.4	9.6	20.7	56.1
0.0	45°	0.0	0.0	0.0	0.5	0.7	2.8	5.2	9.4	19.5	63.4
0.0	47.5°	0.0	0.0	0.0	0.7	1.0	2.8	5.0	9.2	19.6	87.5
0.0	50°	0.0	0.0	0.0	0.9	1.2	2.8	5.2	8.9	21.5	134.6
0.0	52.5°	0.0	0.0	0.0	0.7	1.0	3.1	5.7	8.7	23.4	175.1
0.0	55°	0.0	0.0	0.0	0.2	0.5	4.0	6.3	8.7	26.4	185.1
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	4.5	7.1	9.2	31.3	181.2
0.0	58°	0.0	0.0	0.0	0.0	0.0	4.5	7.3	9.2	31.6	177.7
0.0	60°	0.0	0.0	0.0	0.0	0.0	4.5	8.0	10.2	34.0	158.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	3.8	9.6	12.9	35.4	124.4
0.0	65°	0.0	0.0	0.0	0.0	0.0	3.1	11.3	14.1	36.5	99.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	3.0	11.6	14.2	37.0	78.9
0.0	70°	0.0	0.0	0.0	0.0	0.0	3.1	11.5	15.3	38.7	64.1
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	3.5	10.4	16.8	38.7	56.8
0.0	75°	0.0	0.0	0.0	0.0	0.0	3.6	9.7	18.9	35.3	49.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	3.5	9.6	22.1	31.4	40.5
0.0	80°	0.3	0.5	0.5	0.3	0.3	3.0	9.4	22.4	26.7	27.8
0.2	82.5°	1.0	1.4	1.2	0.9	0.9	2.6	8.3	18.8	13.9	12.0
1.0	85°	1.9	2.3	2.3	1.9	1.9	2.4	5.2	6.8	4.7	3.8
1.9	87.5°	2.6	3.0	3.0	2.6	2.6	2.4	2.3	2.1	1.9	1.9
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: SP1-2407-184-14

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-930-U-5WQ

Data in this report applies to families of products including GSS-SB1A-930-U-5WQ

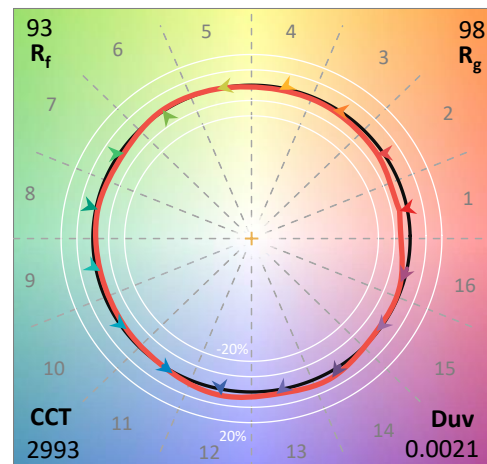
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-14
 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-930-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 2993
 CIE u' : 0.2501
 CIE v' : 0.5245
 Duv: 0.0021
 CIE x: 0.4406
 CIE y: 0.4107
 CIE z: 0.1487
 Peak Wavelength (nm): 621
 Dominant Wavelength (nm): 582
 Purity: 55.53327
 R_f: 92.6
 R_g: 98.5

CRI (Ra): 92.4
 R1: 92.2
 R2: 95.2
 R3: 97.0
 R4: 93.1
 R5: 91.7
 R6: 94.2
 R7: 93.3
 R8: 82.3
 R9: 58.2
 R10: 87.7
 R11: 93.5
 R12: 81.7
 R13: 92.9
 R14: 97.6
 R15: 88.1



Test Conditions

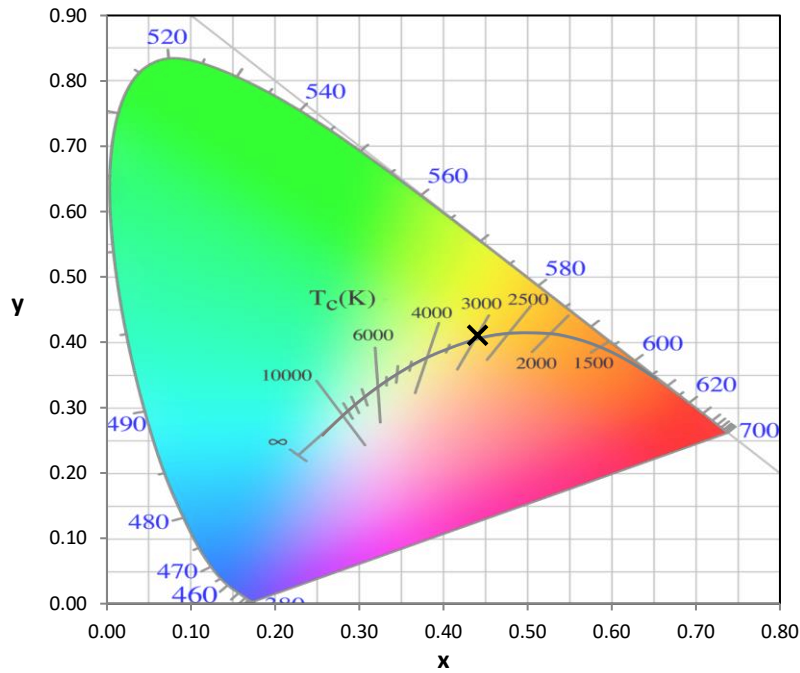
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

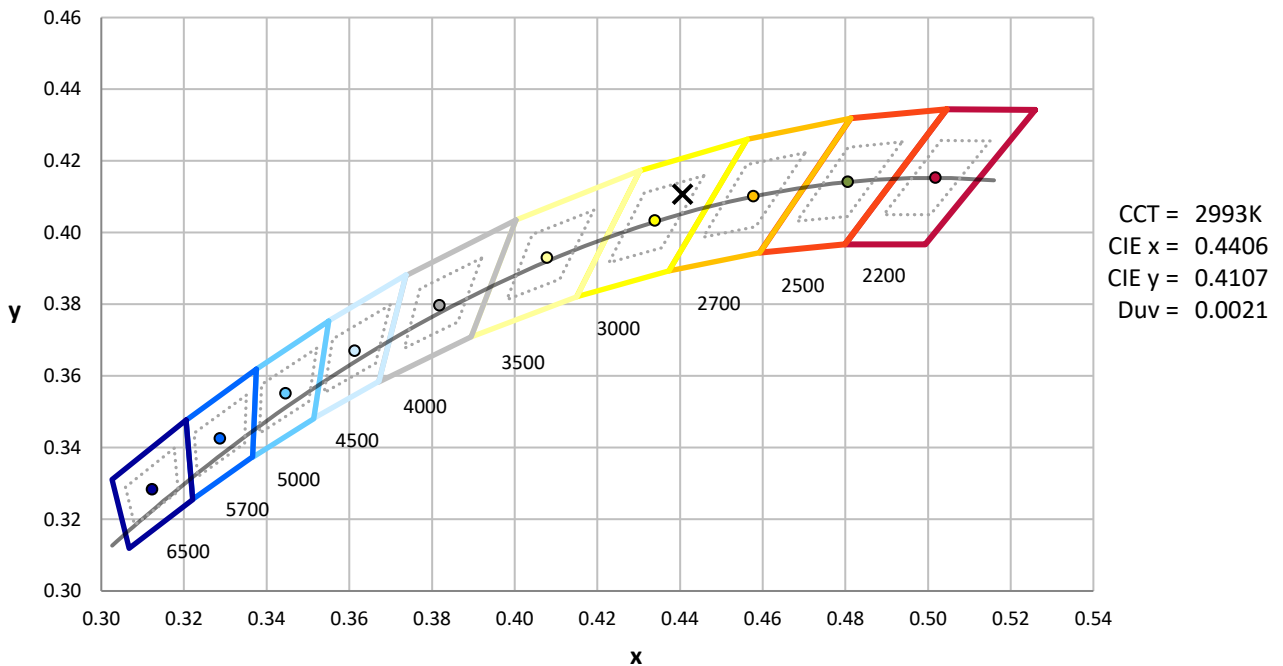
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



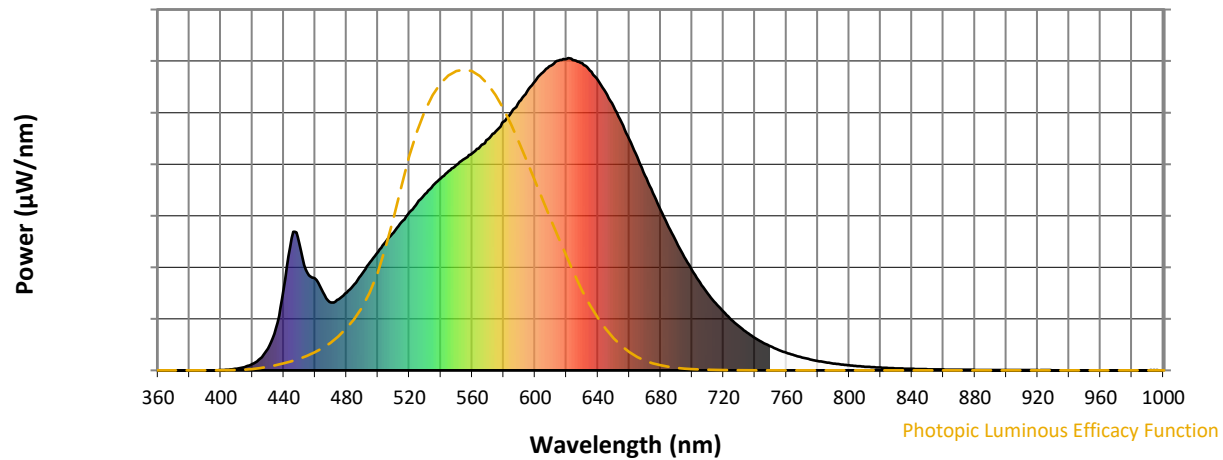
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

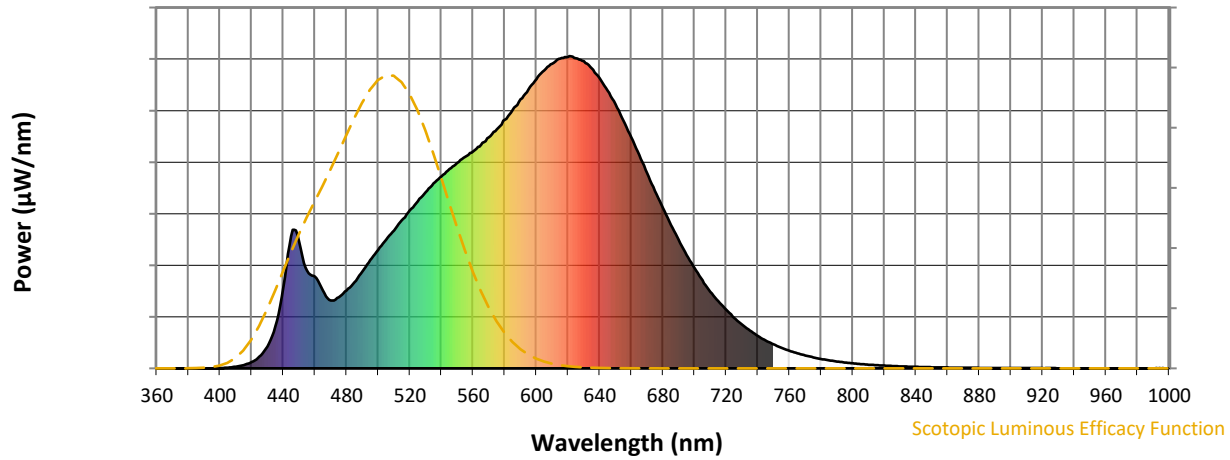


Photopic Lumens: NR

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-14

Scotopic Flux vs. Wavelength



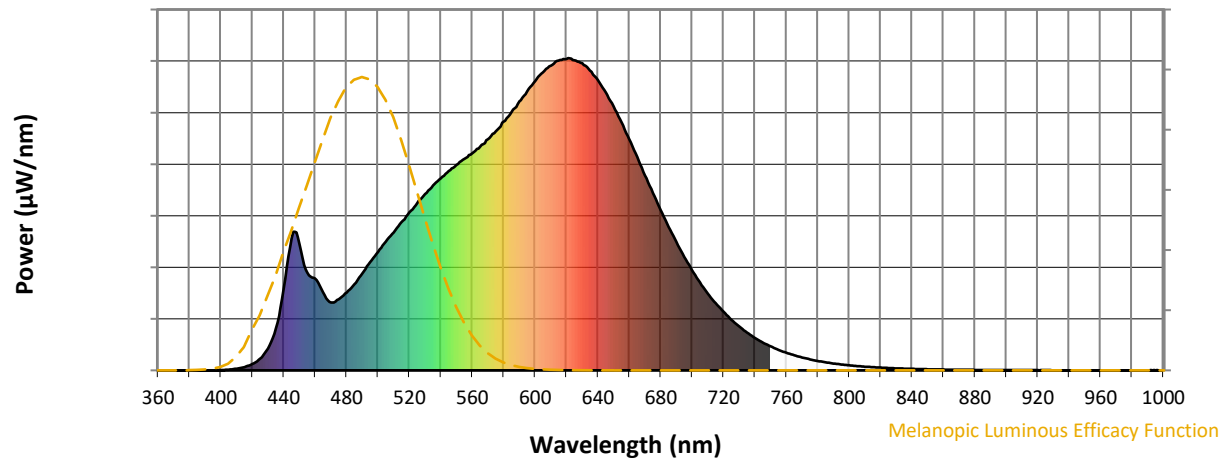
Scotopic Lumens: NR

S/P: 1.39

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	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

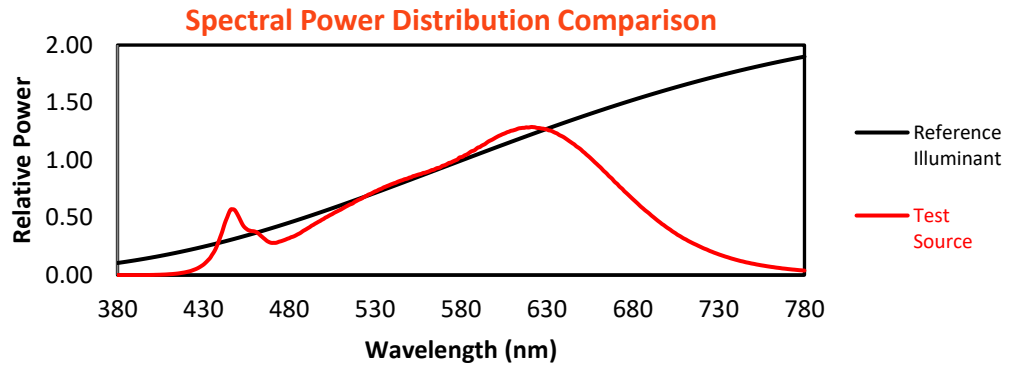
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	NR	630	983	NR	760	56	NR	890	1	NR
375	0	NR	505	412	NR	635	960	NR	765	48	NR	895	1	NR
380	0	NR	510	442	NR	640	930	NR	770	41	NR	900	1	NR
385	0	NR	515	475	NR	645	889	NR	775	35	NR	905	1	NR
390	0	NR	520	506	NR	650	846	NR	780	30	NR	910	1	NR
395	0	NR	525	535	NR	655	794	NR	785	26	NR	915	1	NR
400	1	NR	530	565	NR	660	740	NR	790	22	NR	920	1	NR
405	2	NR	535	592	NR	665	684	NR	795	19	NR	925	1	NR
410	6	NR	540	615	NR	670	624	NR	800	16	NR	930	0	NR
415	10	NR	545	638	NR	675	567	NR	805	14	NR	935	0	NR
420	20	NR	550	658	NR	680	513	NR	810	12	NR	940	0	NR
425	38	NR	555	678	NR	685	459	NR	815	10	NR	945	0	NR
430	70	NR	560	695	NR	690	412	NR	820	9	NR	950	0	NR
435	136	NR	565	716	NR	695	363	NR	825	8	NR	955	0	NR
440	262	NR	570	740	NR	700	320	NR	830	7	NR	960	0	NR
445	424	NR	575	765	NR	705	281	NR	835	6	NR	965	0	NR
450	406	NR	580	796	NR	710	245	NR	840	5	NR	970	0	NR
455	313	NR	585	827	NR	715	215	NR	845	4	NR	975	0	NR
460	294	NR	590	861	NR	720	188	NR	850	4	NR	980	0	NR
465	250	NR	595	894	NR	725	162	NR	855	3	NR	985	0	NR
470	217	NR	600	927	NR	730	140	NR	860	3	NR	990	0	NR
475	228	NR	605	954	NR	735	121	NR	865	2	NR	995	0	NR
480	249	NR	610	976	NR	740	104	NR	870	2	NR	1000	0	NR
485	276	NR	615	992	NR	745	89	NR	875	2	NR			

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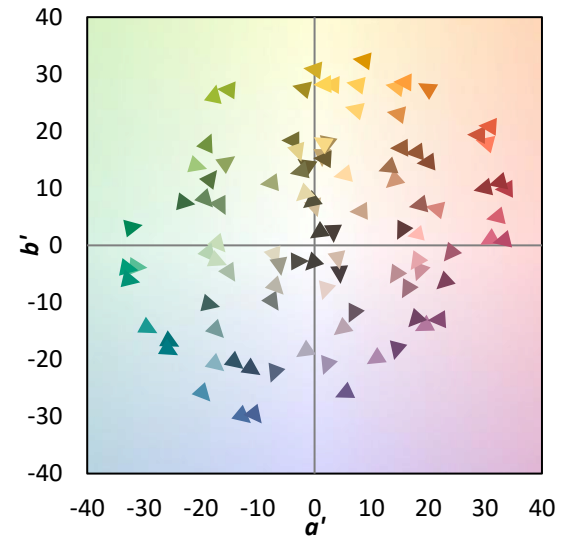
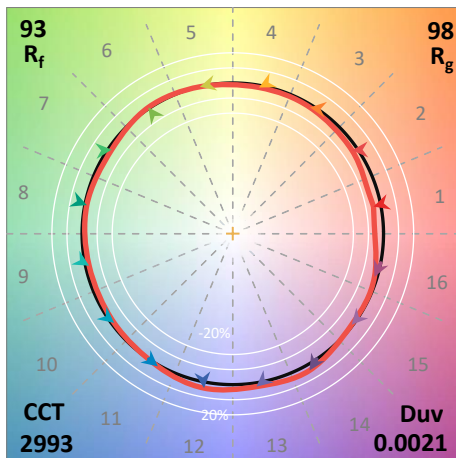
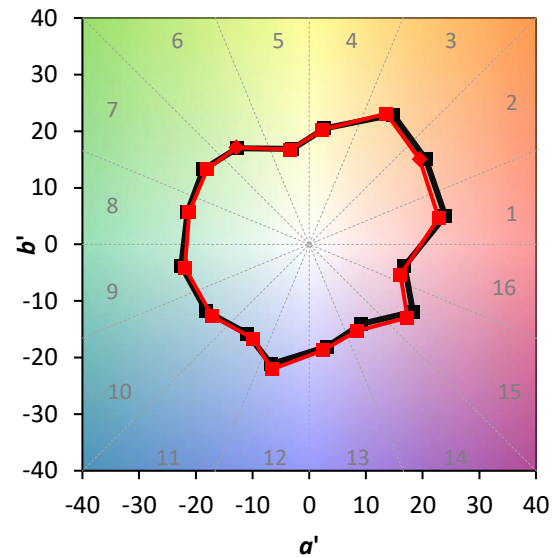
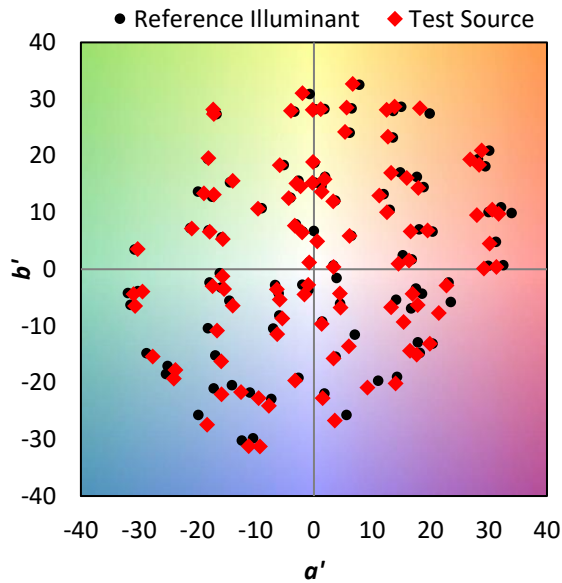
TM-30-18

Summary

$R_f = 92.6$
 $R_g = 98.5$
 $CIE R_a = 92.4$
 $R_9 = 58.2$

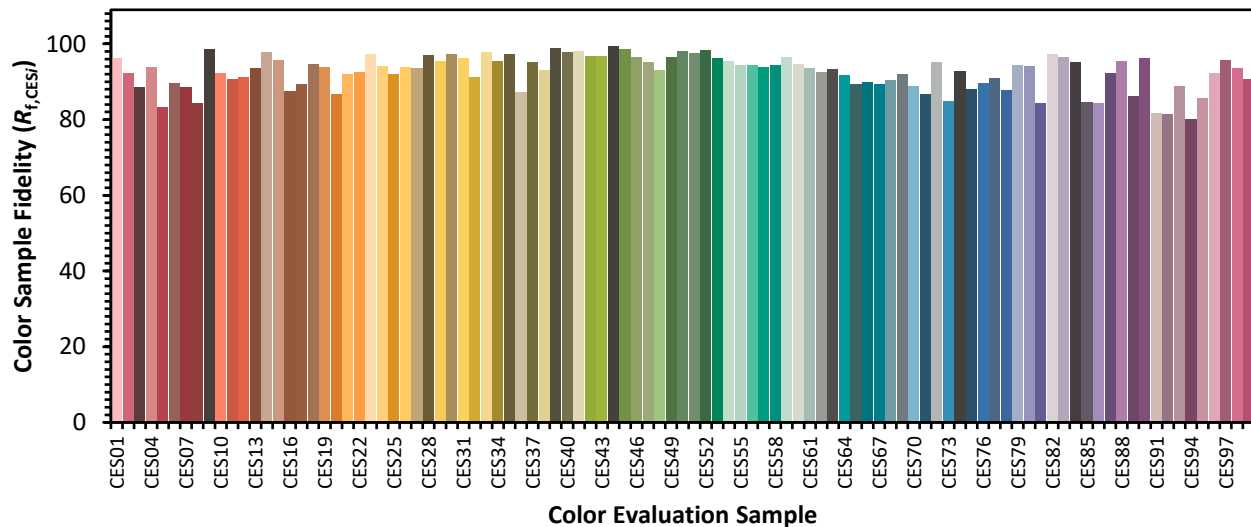


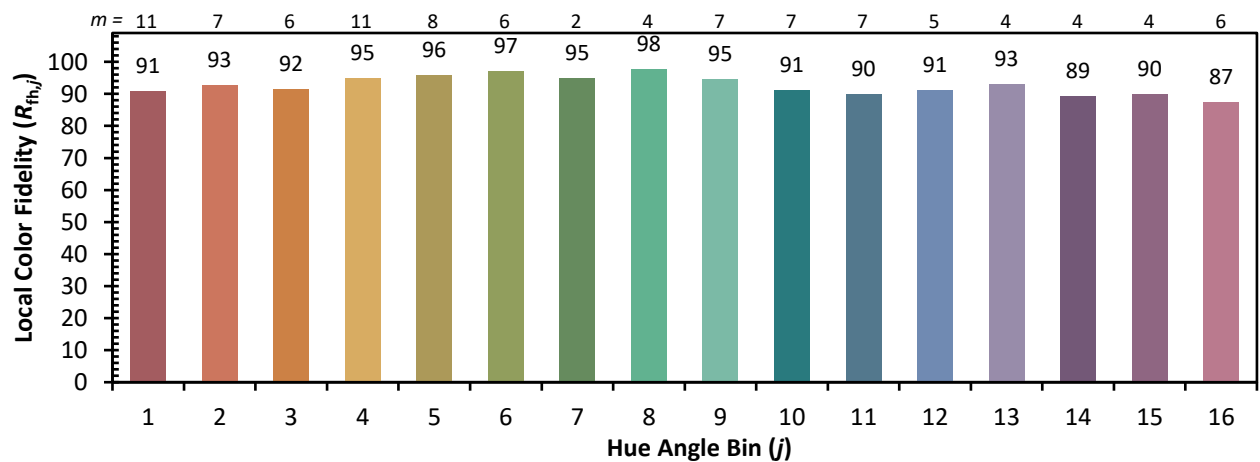
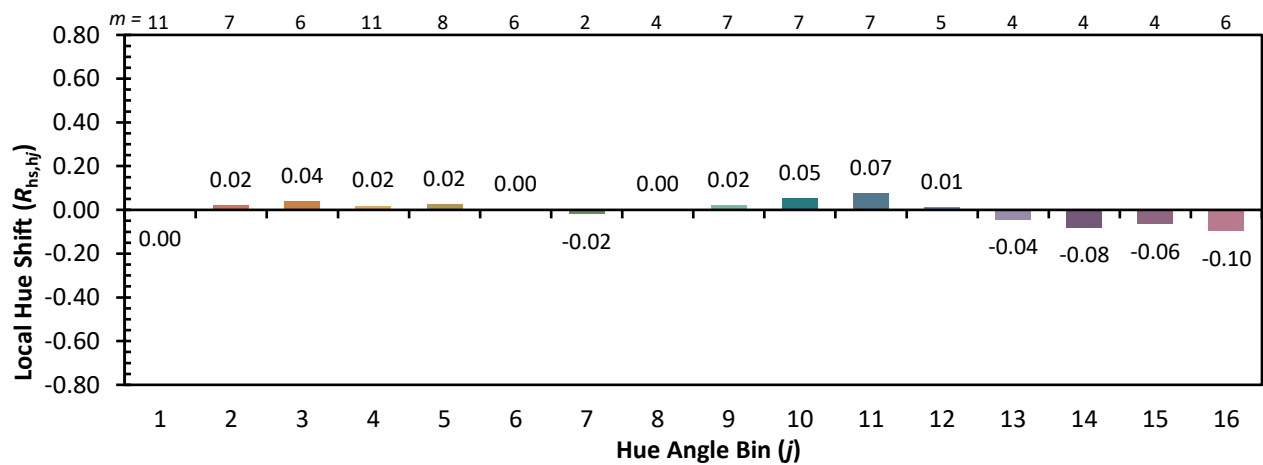
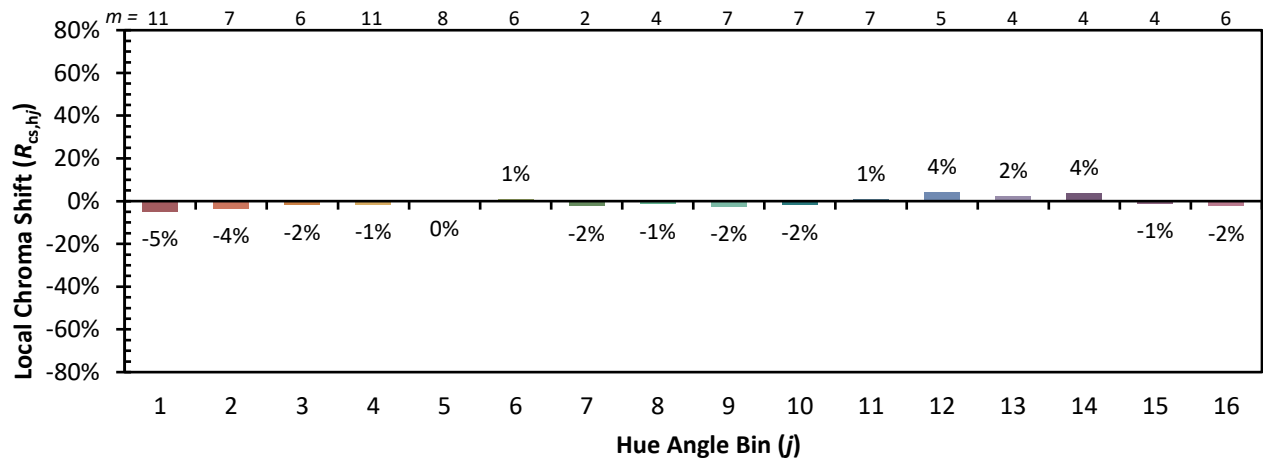
Color Vector Graphics



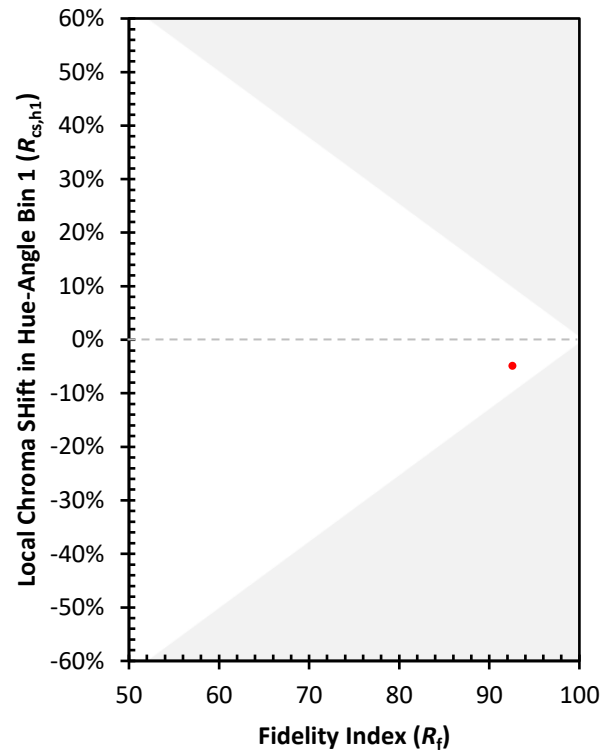
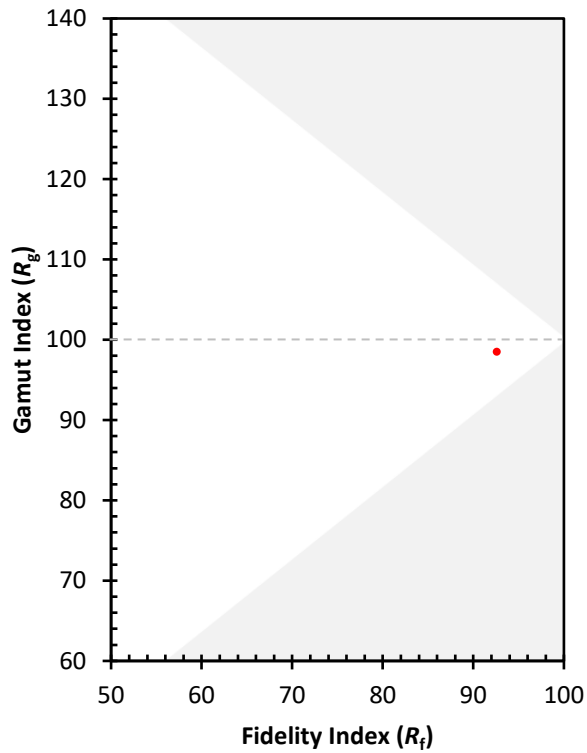
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 97
CES08 = 42	CES33 = 98	CES58 = 94	CES83 = 97
CES09 = 29	CES34 = 96	CES59 = 97	CES84 = 95
CES10 = 76	CES35 = 97	CES60 = 95	CES85 = 85
CES11 = 59	CES36 = 87	CES61 = 94	CES86 = 84
CES12 = 65	CES37 = 95	CES62 = 92	CES87 = 92
CES13 = 44	CES38 = 93	CES63 = 93	CES88 = 95
CES14 = 74	CES39 = 99	CES64 = 92	CES89 = 86
CES15 = 72	CES40 = 98	CES65 = 89	CES90 = 96
CES16 = 48	CES41 = 98	CES66 = 90	CES91 = 82
CES17 = 50	CES42 = 97	CES67 = 89	CES92 = 81
CES18 = 57	CES43 = 97	CES68 = 90	CES93 = 89
CES19 = 72	CES44 = 99	CES69 = 92	CES94 = 80
CES20 = 67	CES45 = 99	CES70 = 89	CES95 = 86
CES21 = 86	CES46 = 96	CES71 = 87	CES96 = 92
CES22 = 79	CES47 = 95	CES72 = 95	CES97 = 96
CES23 = 92	CES48 = 93	CES73 = 85	CES98 = 94
CES24 = 91	CES49 = 97	CES74 = 93	CES99 = 91
CES25 = 72	CES50 = 98	CES75 = 88	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)