

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: P1065555

Luminaire Tested: **GLAN-SA7C-927-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065555
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 7xLight Square PACKAGE
90CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (98) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22038 lumens
Efficiency: N/A
Efficacy: 66.8 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

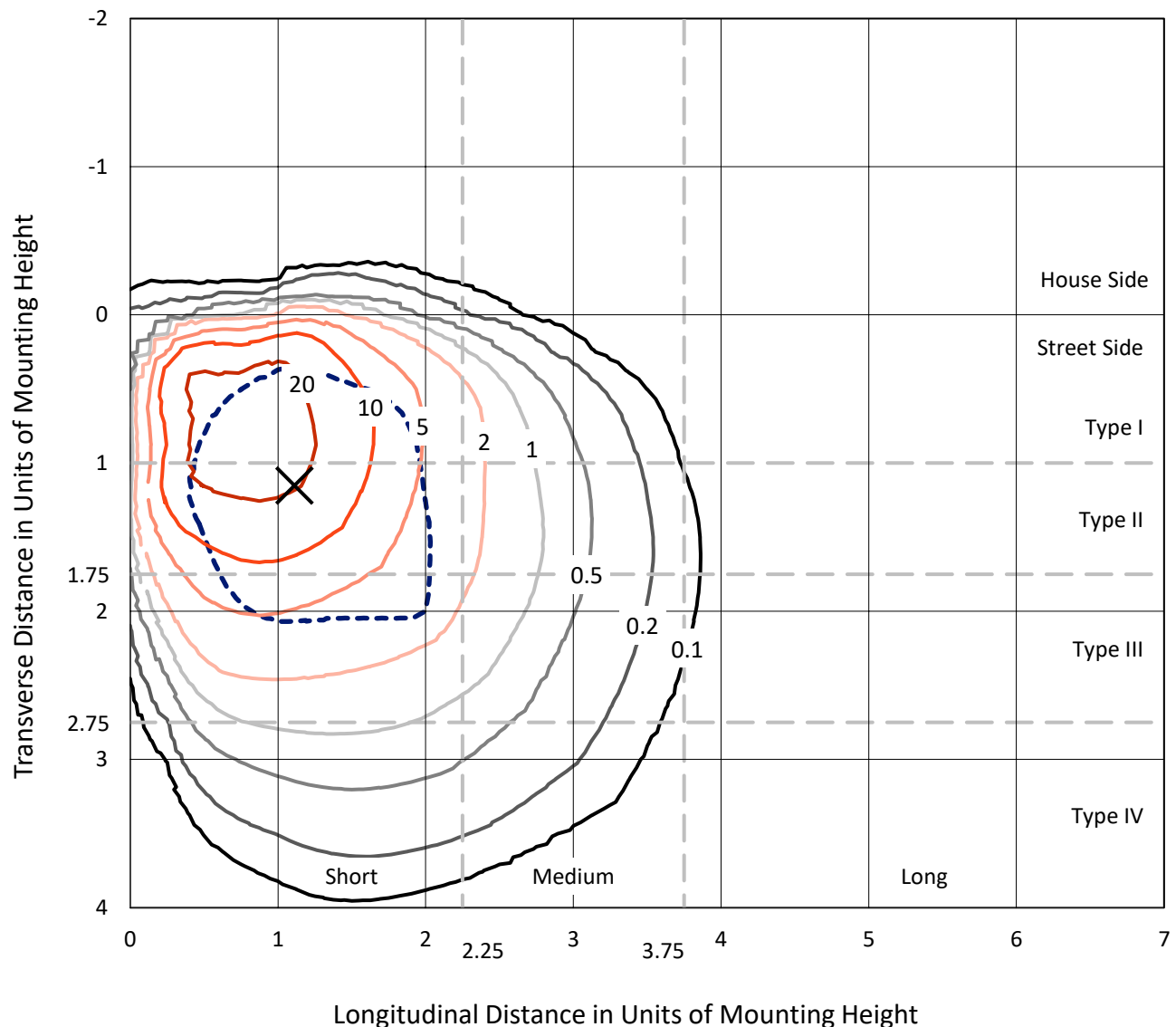
Input Watts (W): 330
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1065555

CATALOG NUMBER: GLAN-SA7C-927-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

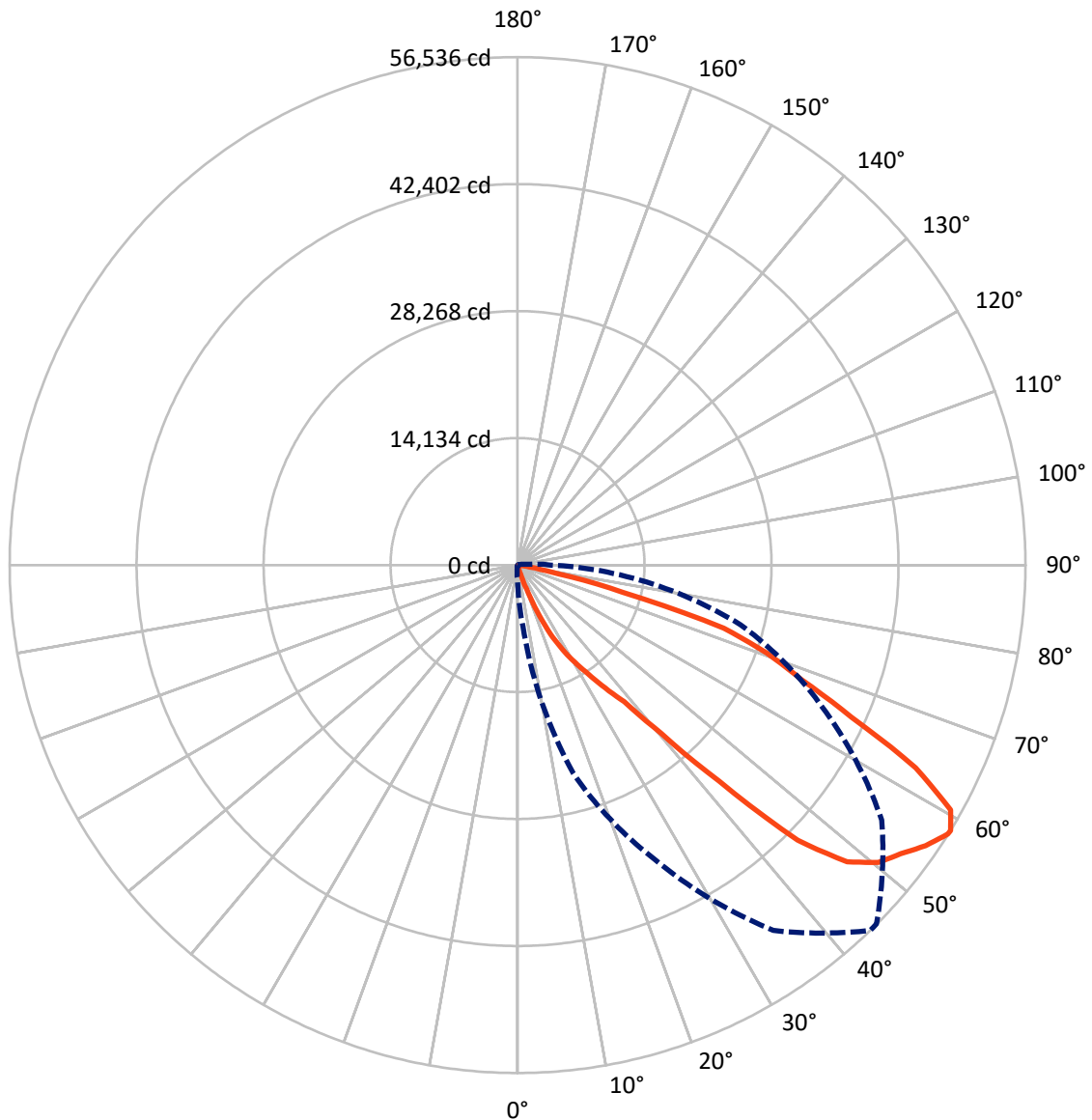
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 38.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1065555
CATALOG NUMBER: GLAN-SA7C-927-U-LBC

Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P1065555

CATALOG NUMBER: GLAN-SA7C-927-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	150.5	0.0	150.5
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	21887.6	0.0	21887.6
	% Fixture	99.3	0.0	99.3
Total	Lumens	22038.0	0.0	22038.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.0
10°-20°	48.3	0.2
20°-30°	522.1	2.4
30°-40°	1544.0	7.0
40°-50°	4601.9	20.9
50°-60°	7302.1	33.1
60°-70°	6090.8	27.6
70°-80°	1878.5	8.5
80°-90°	41.7	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°	22038.0	100.0
0°-180°	22038.0	100.0



REPORT NUMBER: P1065555

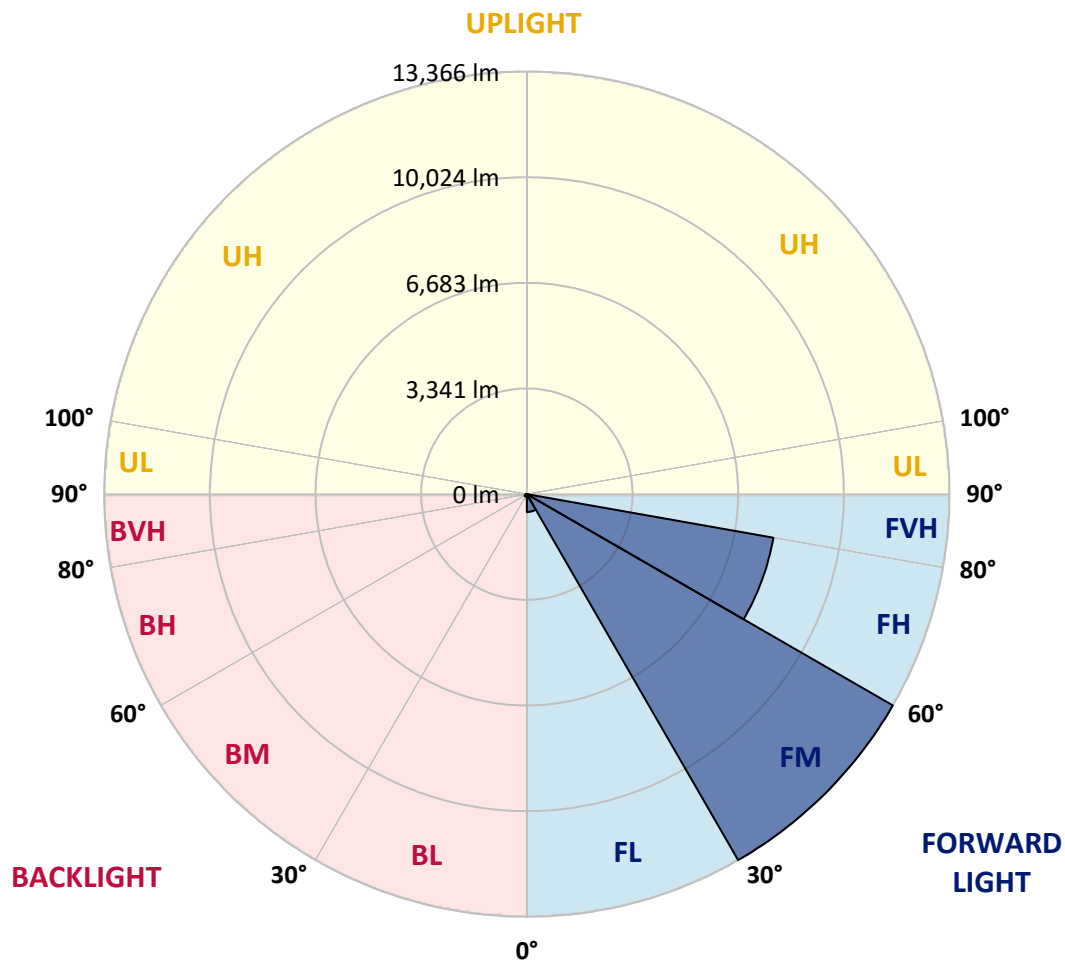
CATALOG NUMBER: GLAN-SA7C-927-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	564.3	2.6			
FM	(30°-60°)	13365.6	60.6			
FH	(60°-80°)	7917.9	35.9			G4/12000
FVH	(80°-90°)	39.7	0.2			G1/100
BL	(0°-30°)	14.7	0.1	B0/110		
BM	(30°-60°)	82.4	0.4	B0/220		
BH	(60°-80°)	51.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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



REPORT NUMBER: P1065555

CATALOG NUMBER: GLAN-SA7C-927-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
2.5°	124.9	124.9	119.9	113.2	106.5	99.9	98.2	94.9	93.2	91.6
5°	129.9	129.9	128.2	123.2	116.5	111.5	111.5	106.5	103.2	99.9
7.5°	133.2	134.8	138.2	136.5	133.2	128.2	128.2	124.9	119.9	111.5
10°	138.2	143.2	149.8	153.2	154.8	154.8	153.2	151.5	143.2	131.5
12.5°	143.2	153.2	169.8	186.5	196.4	209.8	208.1	204.8	183.1	158.2
15°	153.2	168.1	203.1	251.4	326.3	372.9	391.2	374.6	303.0	213.1
17.5°	164.8	189.8	294.7	526.1	862.4	1022.2	1118.7	1040.5	689.2	404.5
20°	176.5	231.4	547.7	1363.5	2237.5	2760.2	2905.1	2678.6	1719.7	770.8
22.5°	196.4	324.6	1110.4	2818.5	4821.2	5605.3	5753.5	5029.3	3248.0	1521.6
25°	238.1	471.1	1914.5	4593.1	7195.2	8518.7	8457.1	7508.2	5269.1	2430.6
27.5°	298.0	685.9	2895.1	6526.0	9469.3	10636.3	10776.2	9602.5	7023.7	3574.3
30°	384.6	950.6	3947.2	8074.2	11292.3	12554.2	12577.5	11363.8	8593.6	4578.2
32.5°	467.8	1200.3	4867.8	9570.9	13088.6	14472.0	14575.2	13081.9	9765.6	5623.7
35°	531.1	1363.5	5800.1	10886.0	14899.8	16806.0	16799.4	15026.4	11154.1	6557.6
37.5°	536.1	1526.6	6644.2	12231.2	17193.9	19328.2	19539.6	17585.1	12832.2	7713.0
40°	524.4	1709.7	7713.0	14328.8	21327.6	24602.2	24788.7	22324.8	16198.4	9690.7
42.5°	537.7	2027.7	9447.7	18202.8	28191.5	32894.5	33254.1	30663.7	22386.4	13726.2
45°	607.6	2625.4	13081.9	24683.8	37975.5	43709.0	43589.1	39858.3	29586.6	19869.2
47.5°	839.1	4088.7	18469.1	30991.7	44228.4	49334.3	49437.5	44877.7	33788.5	24592.2
50°	1290.2	6256.3	22995.7	34326.2	46917.0	52039.6	51943.0	46674.0	35385.0	26917.9
52.5°	1678.1	7824.5	25266.5	35496.6	47261.6	53376.4	53369.7	47146.8	35633.1	27117.7
55°	1774.7	7942.7	25284.8	35559.9	48034.1	55126.1	55345.8	48310.5	35954.4	26245.4
57.5°	1736.4	7032.1	24229.3	35926.1	49409.2	56479.6	56491.2	49437.5	36770.2	25711.0
58°	1703.1	6888.9	24016.2	36134.2	49645.6	56536.2	56507.9	49489.1	37434.4	25691.0
60°	1516.6	5981.6	23185.5	36665.3	49294.3	55374.1	55109.4	48362.1	37336.2	25486.2
62.5°	1192.0	4666.4	22368.1	36051.0	45528.6	49748.8	49858.7	42816.7	34036.6	24292.6
65°	948.9	3477.7	20663.3	31622.6	37491.0	40853.9	41263.4	34817.4	28409.6	20570.1
67.5°	755.8	2513.8	17333.8	25176.6	29666.5	34096.5	34394.5	29232.0	22010.1	15760.5
70°	614.3	1699.7	11964.8	18412.5	24469.0	29450.1	29468.4	24284.2	16428.1	10326.7
72.5°	544.4	1177.0	6945.5	13428.2	19840.9	23997.9	23513.5	19706.1	12625.7	6116.4
75°	471.1	780.8	3406.2	8209.1	12029.8	12111.3	12296.1	9141.3	6311.2	2908.4
77.5°	387.9	554.4	1341.8	2242.5	3607.6	4618.1	4789.6	3629.2	2099.3	715.9
80°	266.4	263.0	361.3	687.6	1032.2	1293.5	1207.0	933.9	549.4	274.7
82.5°	114.9	124.9	163.1	196.4	159.8	154.8	148.2	94.9	73.3	56.6
85°	36.6	33.3	35.0	35.0	28.3	21.6	21.6	10.0	0.0	0.0
87.5°	18.3	15.0	15.0	13.3	8.3	3.3	1.7	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



REPORT NUMBER: P1065555

CATALOG NUMBER: GLAN-SA7C-927-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
96.6	0°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
89.9	2.5°	88.2	88.2	84.9	81.6	79.9	76.6	74.9	73.3	71.6	69.9
96.6	5°	93.2	91.6	86.6	81.6	76.6	71.6	68.3	64.9	61.6	59.9
106.5	7.5°	101.6	98.2	88.2	79.9	73.3	66.6	63.3	58.3	54.9	49.9
118.2	10°	111.5	104.9	91.6	81.6	71.6	63.3	58.3	53.3	48.3	41.6
134.8	12.5°	124.9	113.2	96.6	79.9	68.3	58.3	53.3	46.6	41.6	36.6
156.5	15°	136.5	121.5	98.2	79.9	64.9	53.3	46.6	40.0	35.0	28.3
196.4	17.5°	153.2	128.2	96.6	74.9	59.9	46.6	40.0	35.0	26.6	16.6
291.3	20°	181.5	133.2	93.2	69.9	51.6	38.3	30.0	23.3	11.7	3.3
437.8	22.5°	226.4	146.5	89.9	63.3	44.9	30.0	20.0	8.3	0.0	0.0
665.9	25°	313.0	169.8	89.9	59.9	40.0	21.6	6.7	0.0	0.0	0.0
945.6	27.5°	416.2	201.4	89.9	51.6	31.6	11.7	0.0	0.0	0.0	0.0
1288.5	30°	521.1	236.4	89.9	44.9	25.0	1.7	0.0	0.0	0.0	0.0
1586.5	32.5°	621.0	266.4	91.6	38.3	16.6	0.0	0.0	0.0	0.0	0.0
1999.4	35°	722.5	271.4	89.9	33.3	10.0	0.0	0.0	0.0	0.0	0.0
2505.5	37.5°	852.4	261.4	84.9	30.0	5.0	0.0	0.0	0.0	0.0	0.0
3296.3	40°	1048.8	266.4	79.9	28.3	1.7	0.0	0.0	0.0	0.0	0.0
4706.4	42.5°	1411.7	288.0	73.3	28.3	0.0	0.0	0.0	0.0	0.0	0.0
7496.5	45°	2440.6	386.2	66.6	30.0	0.0	0.0	0.0	0.0	0.0	0.0
11254.0	47.5°	4037.1	694.2	64.9	30.0	0.0	0.0	0.0	0.0	0.0	0.0
13556.4	50°	5152.5	874.0	68.3	31.6	0.0	0.0	0.0	0.0	0.0	0.0
13844.4	52.5°	5144.2	973.9	71.6	33.3	6.7	0.0	0.0	0.0	0.0	0.0
12760.6	55°	4573.2	992.2	76.6	36.6	21.6	0.0	0.0	0.0	0.0	0.0
10966.0	57.5°	3822.4	905.6	88.2	44.9	40.0	0.0	0.0	0.0	0.0	0.0
10684.6	58°	3689.2	865.7	91.6	46.6	43.3	0.0	0.0	0.0	0.0	0.0
9267.9	60°	3023.3	705.9	116.5	58.3	58.3	0.0	0.0	0.0	0.0	0.0
7598.1	62.5°	2087.6	616.0	133.2	74.9	59.9	0.0	0.0	0.0	0.0	0.0
5602.0	65°	1476.7	556.0	144.8	79.9	48.3	0.0	0.0	0.0	0.0	0.0
3980.5	67.5°	1103.8	512.8	159.8	81.6	25.0	0.0	0.0	0.0	0.0	0.0
2497.2	70°	845.7	481.1	196.4	86.6	6.7	0.0	0.0	0.0	0.0	0.0
1488.3	72.5°	689.2	444.5	238.1	89.9	0.0	0.0	0.0	0.0	0.0	0.0
892.3	75°	571.0	401.2	229.7	98.2	0.0	0.0	0.0	0.0	0.0	0.0
476.1	77.5°	379.6	311.3	209.8	98.2	0.0	0.0	0.0	0.0	0.0	0.0
169.8	80°	133.2	123.2	163.1	86.6	0.0	0.0	0.0	0.0	0.0	0.0
35.0	82.5°	20.0	16.6	23.3	30.0	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	0.0
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

REPORT NUMBER: P1065555

CATALOG NUMBER: GLAN-SA7C-927-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
96.6	0°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
68.3	2.5°	68.3	68.3	66.6	68.3	68.3	71.6	79.9	91.6	104.9	109.9
58.3	5°	56.6	54.9	53.3	53.3	53.3	58.3	64.9	78.2	93.2	99.9
48.3	7.5°	46.6	44.9	43.3	41.6	41.6	44.9	53.3	68.3	83.2	89.9
40.0	10°	38.3	35.0	33.3	31.6	31.6	35.0	43.3	58.3	74.9	81.6
33.3	12.5°	31.6	26.6	23.3	21.6	20.0	25.0	33.3	46.6	64.9	73.3
25.0	15°	21.6	16.6	11.7	10.0	8.3	13.3	21.6	36.6	54.9	64.9
13.3	17.5°	11.7	5.0	1.7	0.0	0.0	3.3	10.0	26.6	44.9	53.3
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	33.3	41.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	20.0	28.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	15.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	5.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	13.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1065555

CATALOG NUMBER: GLAN-SA7C-927-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
96.6	0°	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
114.9	2.5°	118.2	116.5	113.2	109.9	109.9	109.9	114.9	119.9	124.9	124.9
103.2	5°	109.9	109.9	108.2	104.9	104.9	106.5	113.2	121.5	128.2	129.9
94.9	7.5°	101.6	104.9	101.6	99.9	101.6	103.2	109.9	119.9	129.9	133.2
88.2	10°	96.6	98.2	98.2	96.6	96.6	99.9	106.5	119.9	133.2	138.2
79.9	12.5°	89.9	93.2	91.6	91.6	91.6	94.9	103.2	118.2	136.5	143.2
71.6	15°	83.2	88.2	88.2	86.6	86.6	88.2	99.9	116.5	141.5	153.2
61.6	17.5°	76.6	81.6	83.2	79.9	79.9	83.2	94.9	116.5	144.8	164.8
49.9	20°	63.3	71.6	76.6	71.6	71.6	74.9	86.6	109.9	146.5	176.5
36.6	22.5°	49.9	58.3	64.9	63.3	63.3	64.9	79.9	104.9	148.2	196.4
21.6	25°	36.6	44.9	49.9	53.3	53.3	58.3	73.3	101.6	154.8	238.1
10.0	27.5°	21.6	31.6	38.3	41.6	43.3	49.9	68.3	98.2	166.5	298.0
0.0	30°	10.0	18.3	26.6	33.3	33.3	44.9	63.3	94.9	181.5	384.6
0.0	32.5°	0.0	8.3	13.3	23.3	25.0	36.6	58.3	91.6	203.1	467.8
0.0	35°	0.0	0.0	6.7	18.3	18.3	30.0	53.3	88.2	236.4	531.1
0.0	37.5°	0.0	0.0	0.0	13.3	15.0	26.6	51.6	86.6	243.1	536.1
0.0	40°	0.0	0.0	0.0	10.0	11.7	25.0	51.6	88.2	219.8	524.4
0.0	42.5°	0.0	0.0	0.0	6.7	8.3	25.0	51.6	91.6	198.1	537.7
0.0	45°	0.0	0.0	0.0	5.0	6.7	26.6	49.9	89.9	186.5	607.6
0.0	47.5°	0.0	0.0	0.0	6.7	10.0	26.6	48.3	88.2	188.1	839.1
0.0	50°	0.0	0.0	0.0	8.3	11.7	26.6	49.9	84.9	206.4	1290.2
0.0	52.5°	0.0	0.0	0.0	6.7	10.0	30.0	54.9	83.2	224.7	1678.1
0.0	55°	0.0	0.0	0.0	1.7	5.0	38.3	59.9	83.2	253.0	1774.7
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	43.3	68.3	88.2	299.7	1736.4
0.0	58°	0.0	0.0	0.0	0.0	0.0	43.3	69.9	88.2	303.0	1703.1
0.0	60°	0.0	0.0	0.0	0.0	0.0	43.3	76.6	98.2	326.3	1516.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	36.6	91.6	123.2	339.6	1192.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	30.0	108.2	134.8	349.6	948.9
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	28.3	111.5	136.5	354.6	755.8
0.0	70°	0.0	0.0	0.0	0.0	0.0	30.0	109.9	146.5	371.2	614.3
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	33.3	99.9	161.5	371.2	544.4
0.0	75°	0.0	0.0	0.0	0.0	0.0	35.0	93.2	181.5	338.0	471.1
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	33.3	91.6	211.4	301.3	387.9
0.0	80°	3.3	5.0	5.0	3.3	3.3	28.3	89.9	214.8	256.4	266.4
1.7	82.5°	10.0	13.3	11.7	8.3	8.3	25.0	79.9	179.8	133.2	114.9
10.0	85°	18.3	21.6	21.6	18.3	18.3	23.3	49.9	64.9	44.9	36.6
18.3	87.5°	25.0	28.3	28.3	25.0	25.0	23.3	21.6	20.0	18.3	18.3
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: SP1-2407-184-13

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

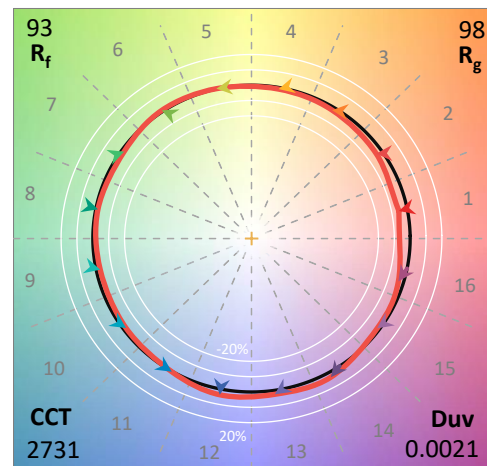
Test Information

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

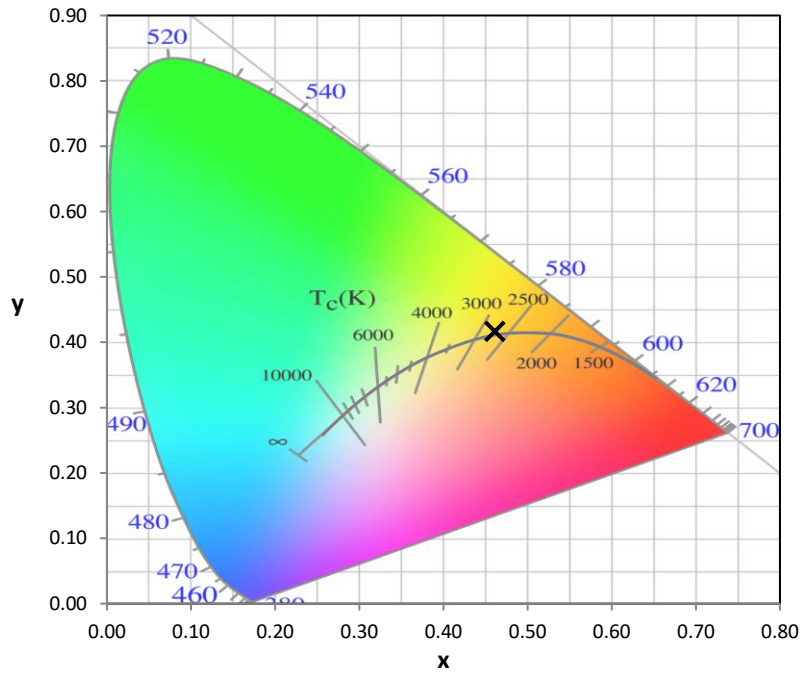
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

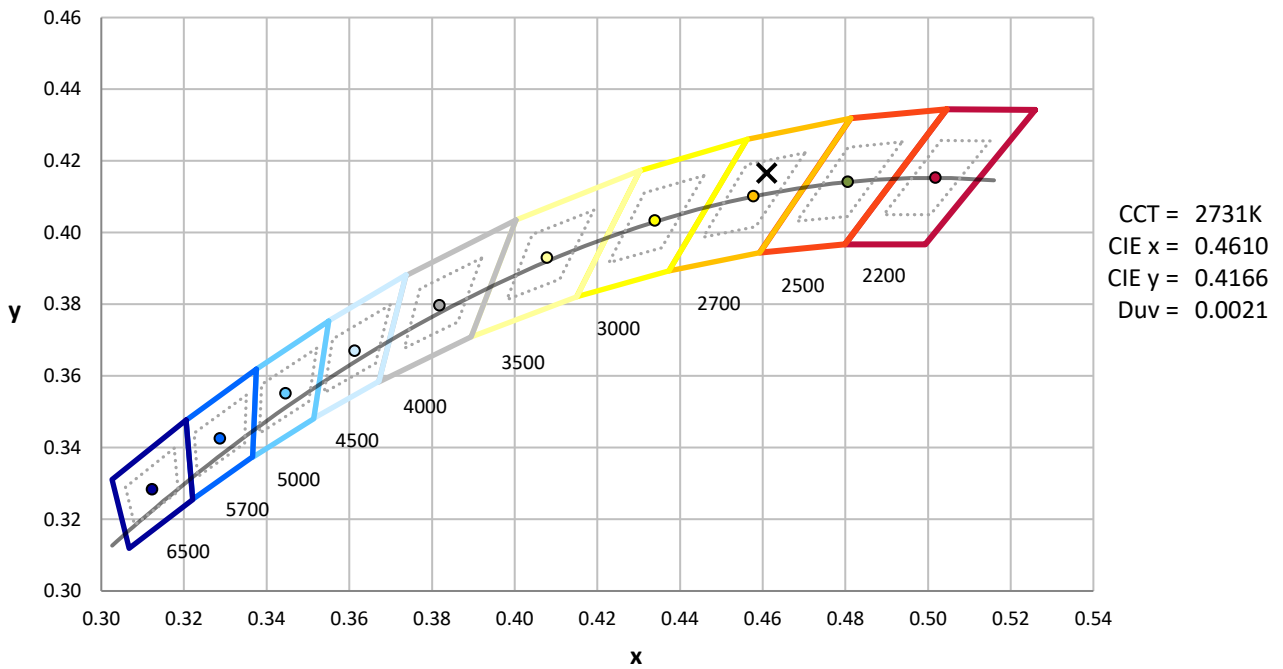
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



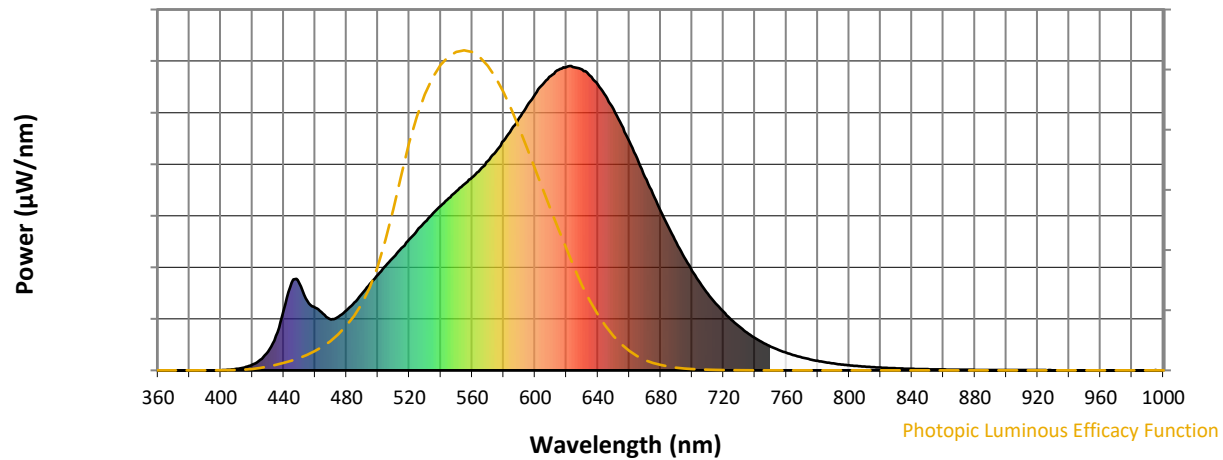
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

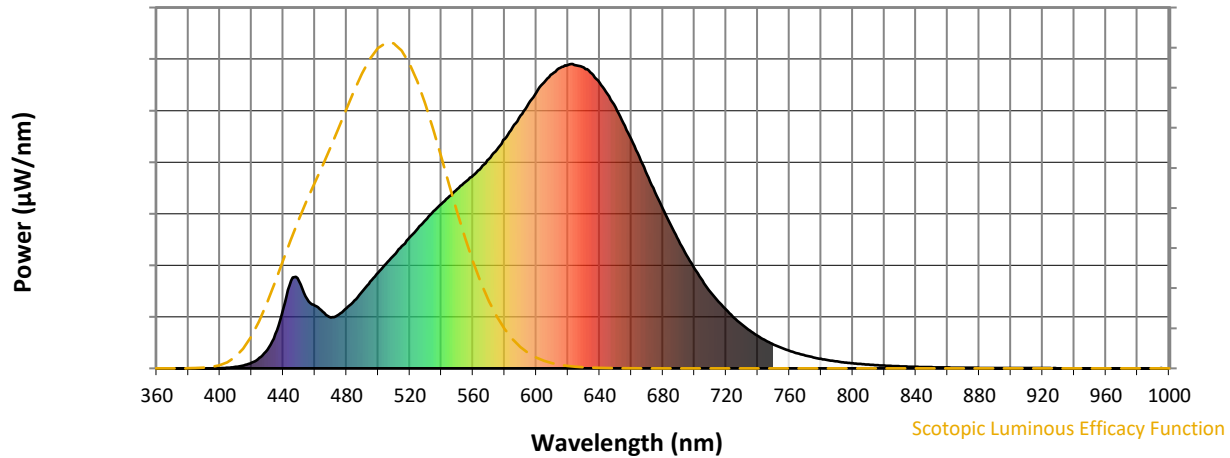


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	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

Scotopic Flux vs. Wavelength



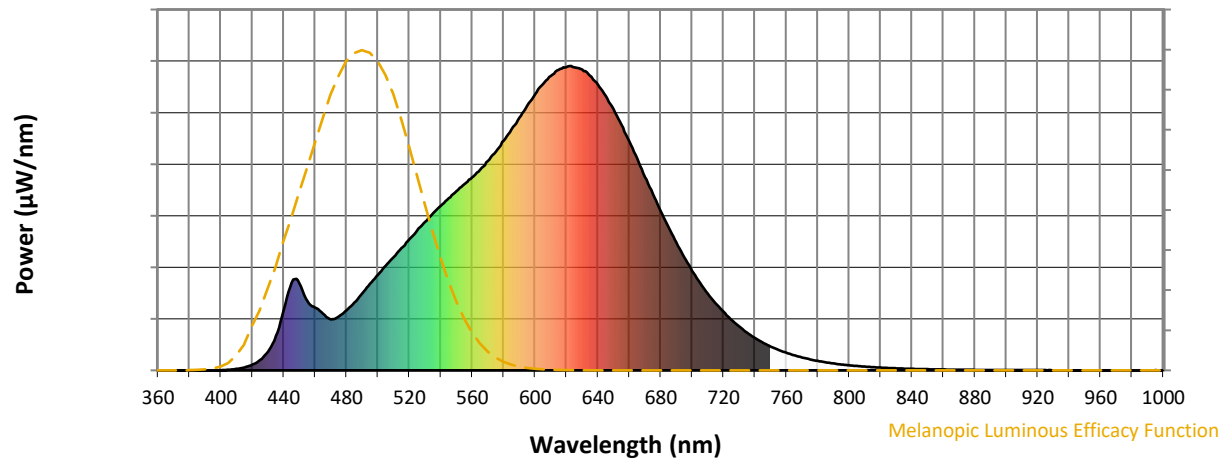
Scotopic Lumens: NR

S/P: 1.27

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

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

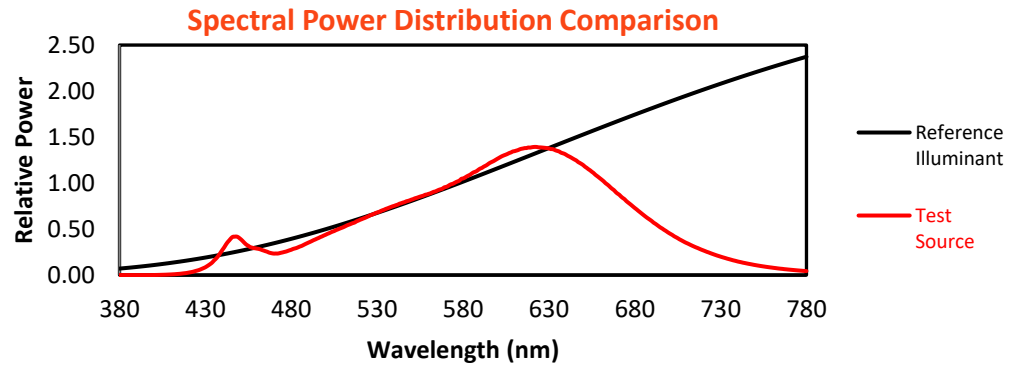
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314	NR	630	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

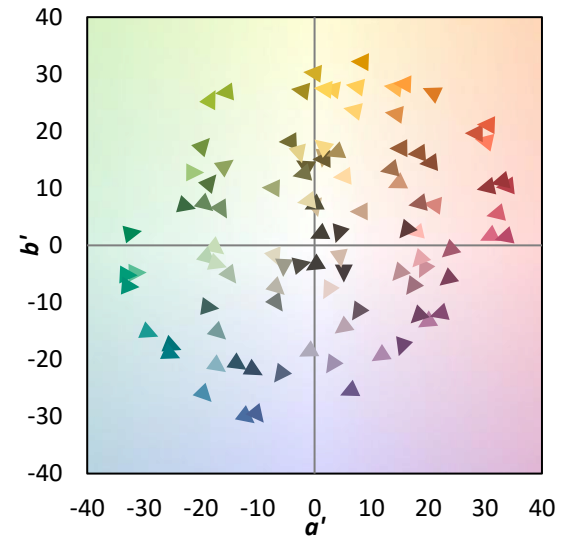
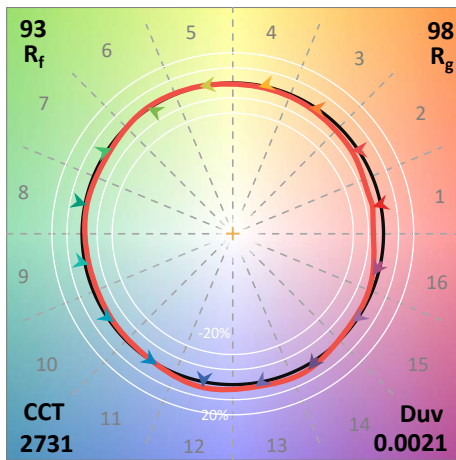
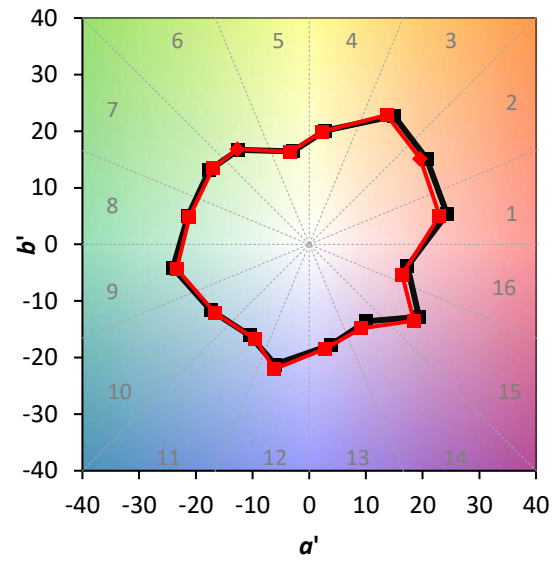
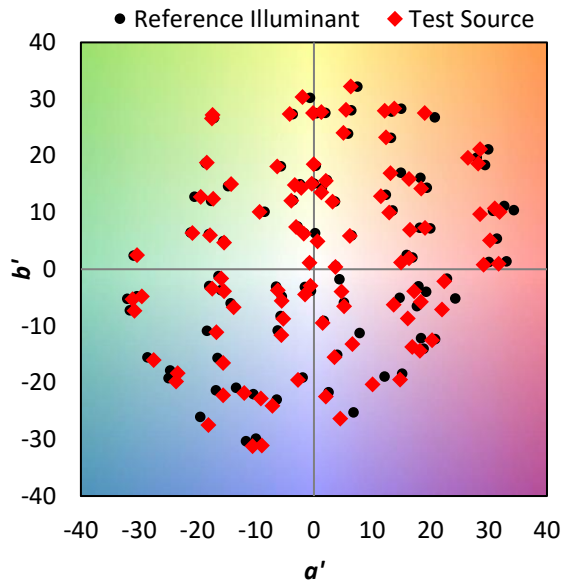
TM-30-18

Summary

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

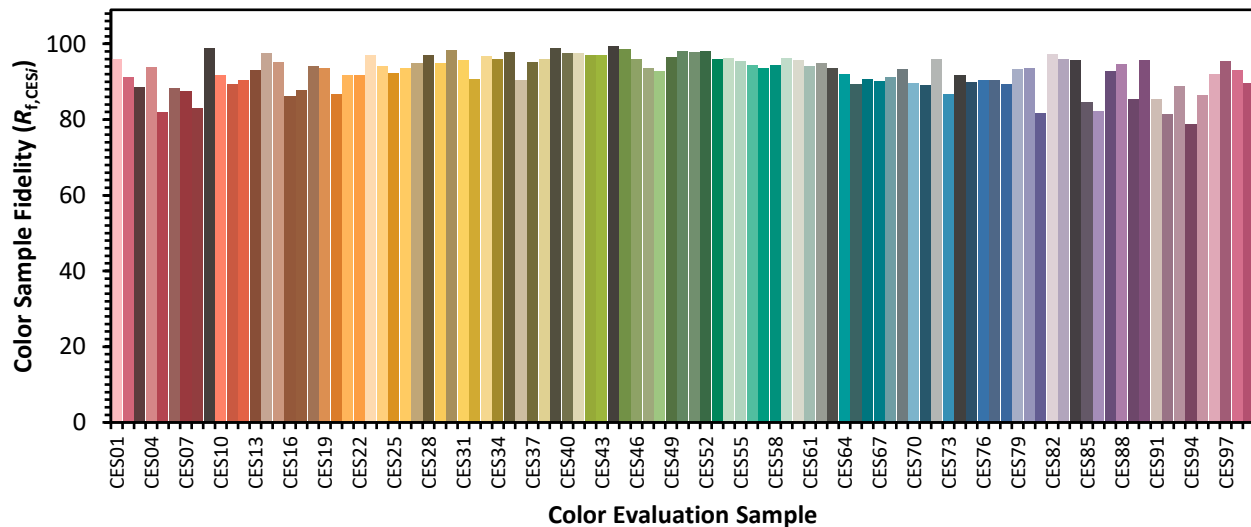


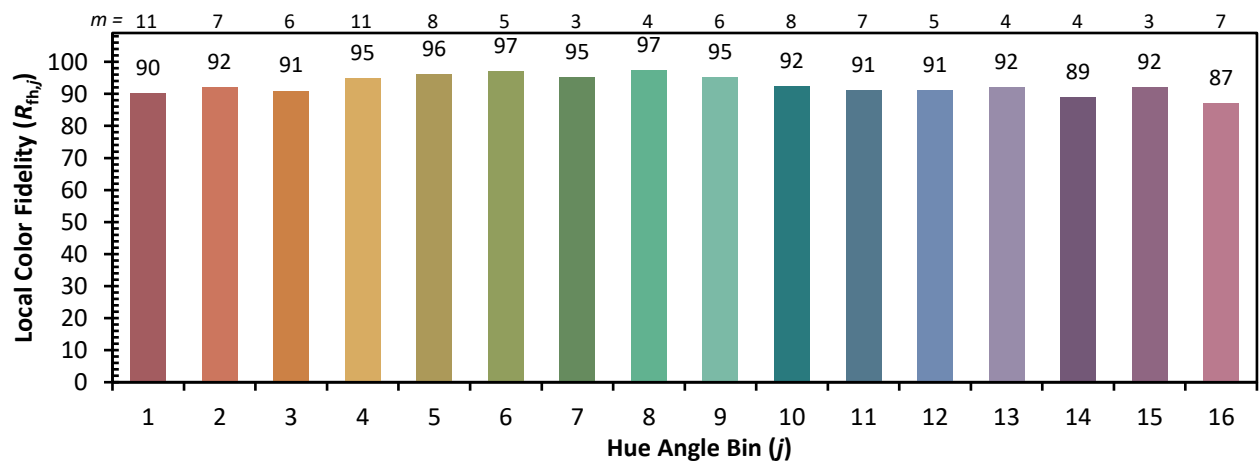
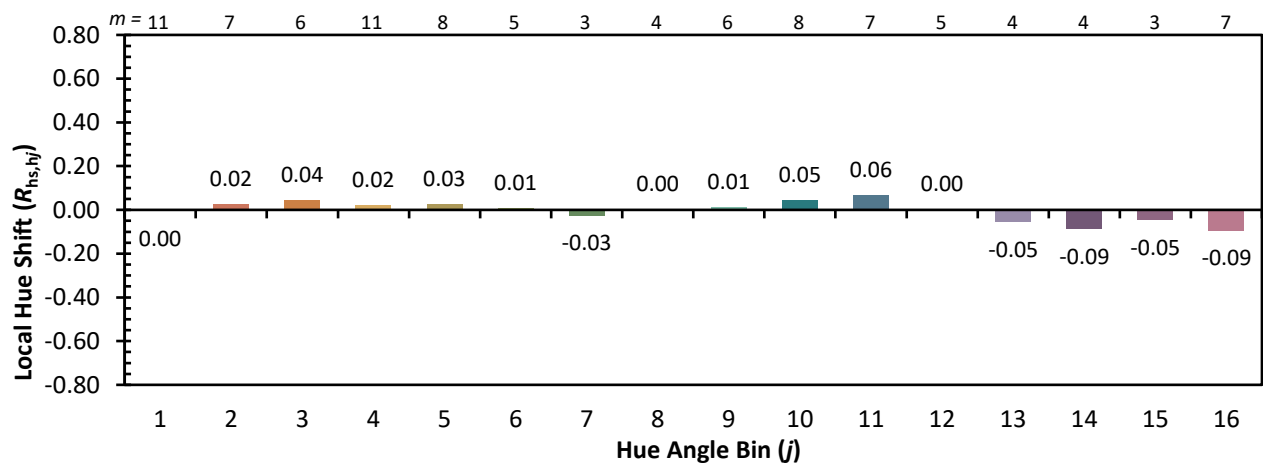
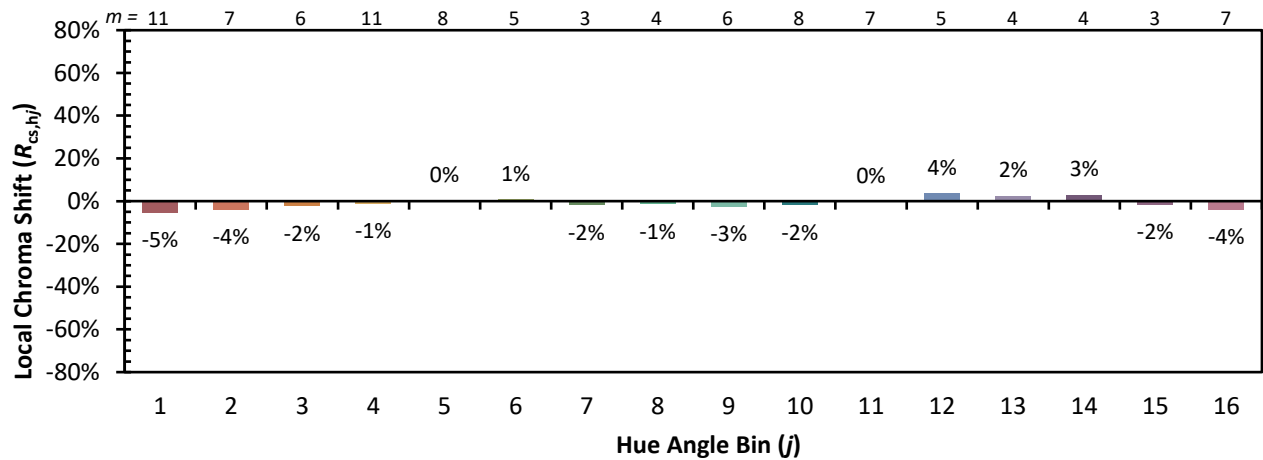
Color Vector Graphics



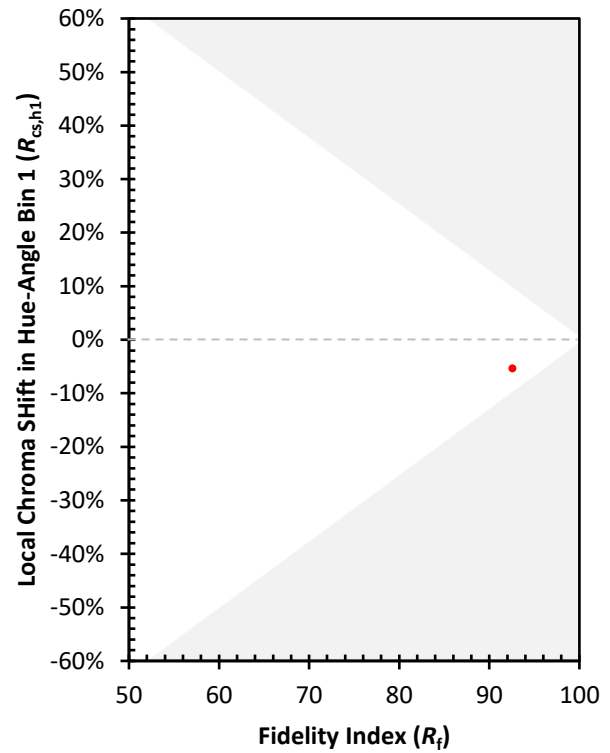
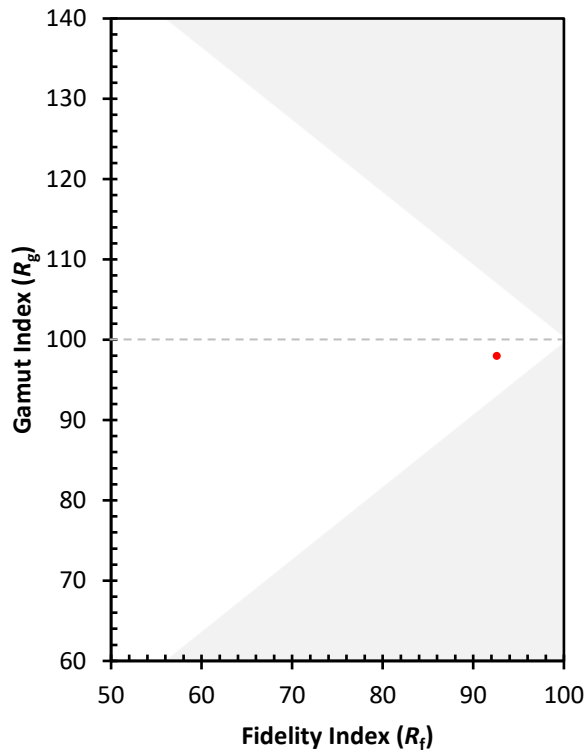
Individual Sample Fidelity Index ($R_{f,i}$)

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)