

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: P1065679

Luminaire Tested: **GLAN-SA2C-950-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065679
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-950-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
90CRI 5000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8189.4 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

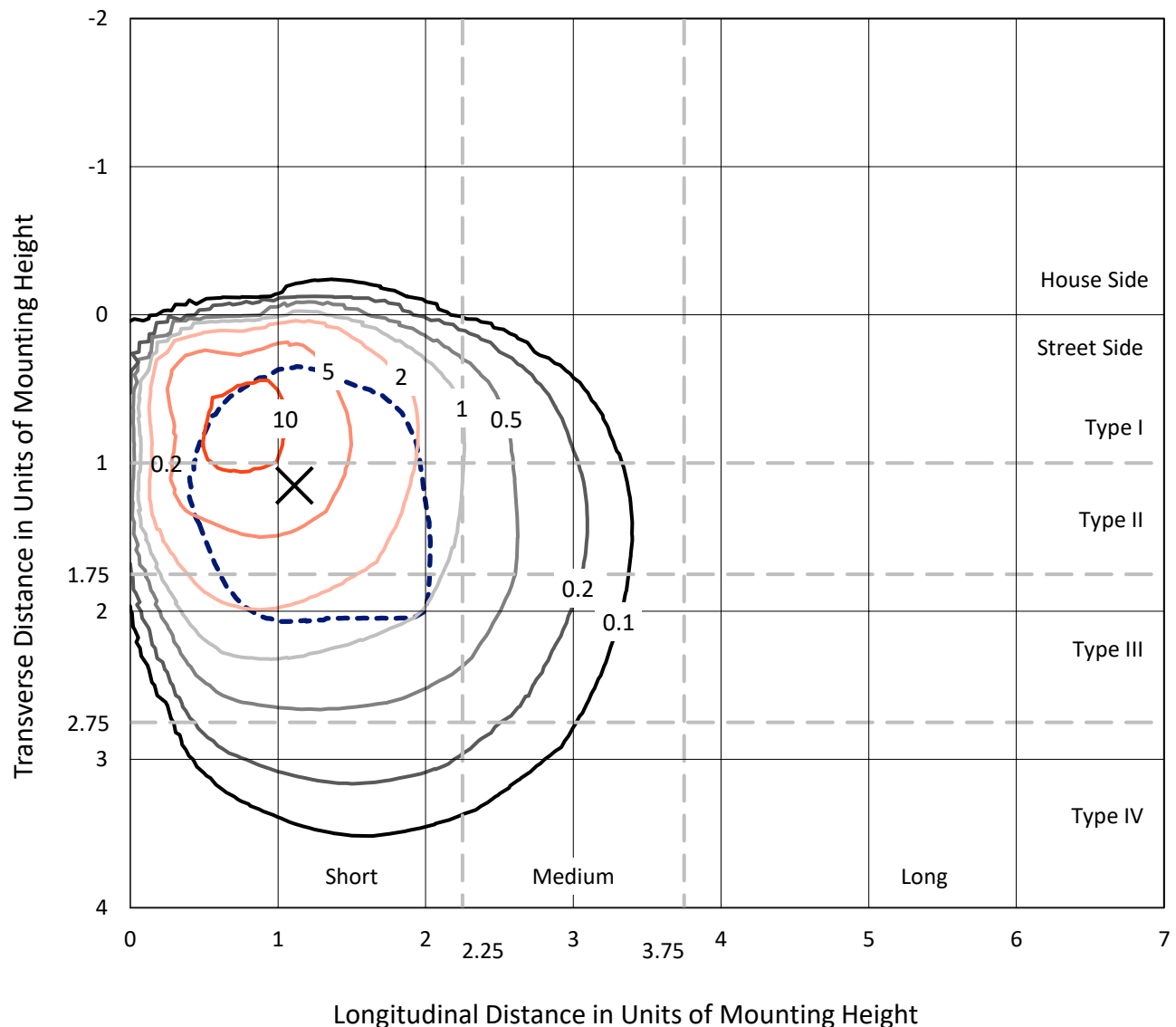
Input Watts (W): 96.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1065679

CATALOG NUMBER: GLAN-SA2C-950-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

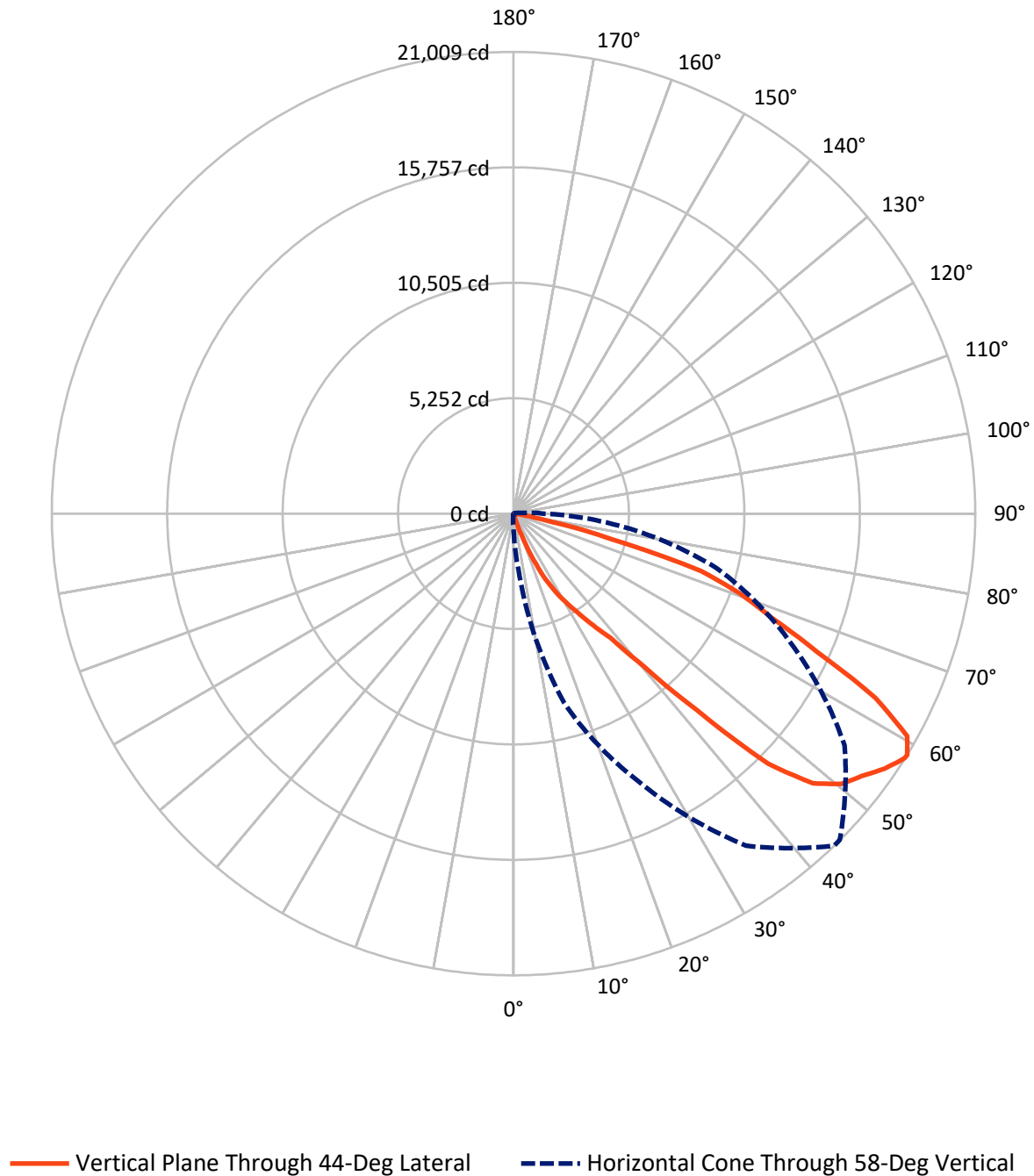
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.3 fc
 Type III - Short - N/A

REPORT NUMBER: P1065679
CATALOG NUMBER: GLAN-SA2C-950-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1065679

CATALOG NUMBER: GLAN-SA2C-950-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	55.9	0.0	55.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	8133.5	0.0	8133.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	8189.4	0.0	8189.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	18.0	0.2
20°-30°	194.0	2.4
30°-40°	573.7	7.0
40°-50°	1710.1	20.9
50°-60°	2713.5	33.1
60°-70°	2263.4	27.6
70°-80°	698.1	8.5
80°-90°	15.5	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°	8189.4	100.0
0°-180°	8189.4	100.0



REPORT NUMBER: P1065679

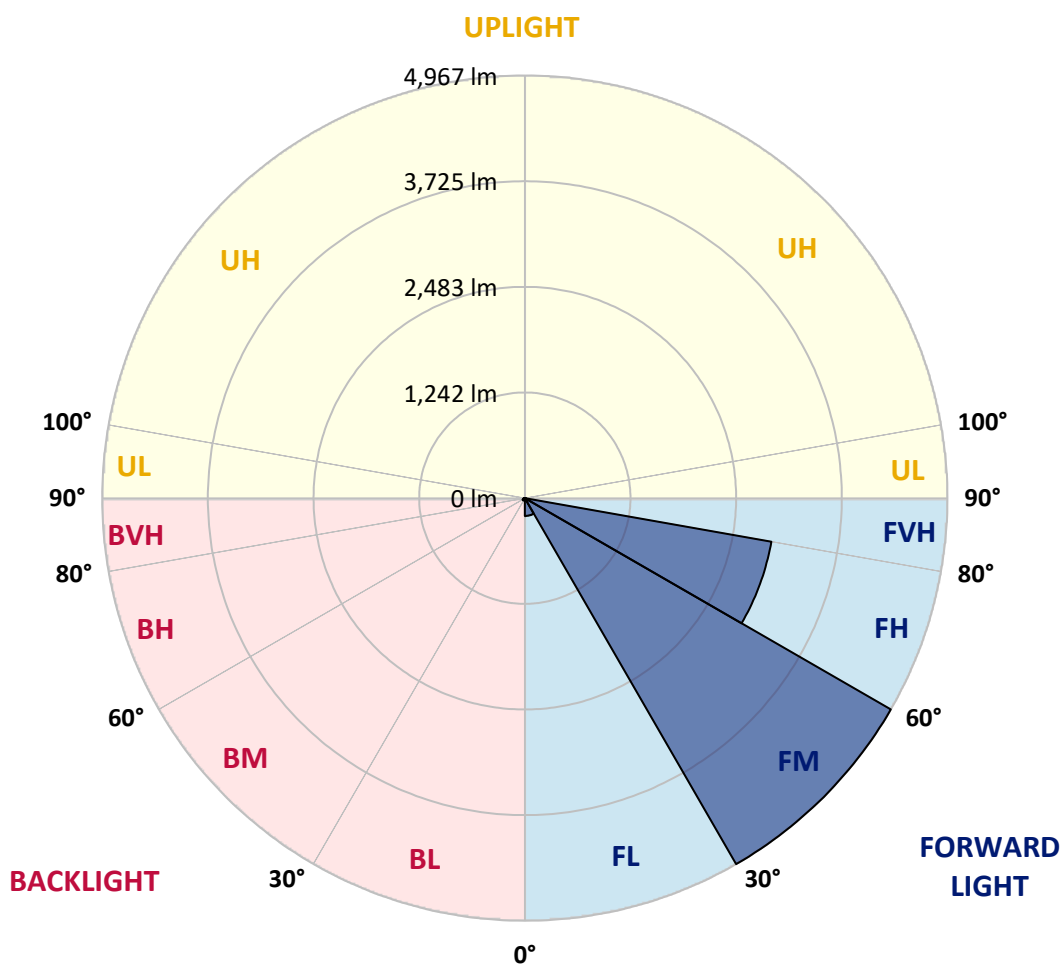
CATALOG NUMBER: GLAN-SA2C-950-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.7	2.6			
FM	(30°-60°)	4966.7	60.6			
FH	(60°-80°)	2942.3	35.9			G2/5000
FVH	(80°-90°)	14.8	0.2			G1/100
BL	(0°-30°)	5.5	0.1	B0/110		
BM	(30°-60°)	30.6	0.4	B0/220		
BH	(60°-80°)	19.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G2

Type III Short



REPORT NUMBER: P1065679

CATALOG NUMBER: GLAN-SA2C-950-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
2.5°	46.4	46.4	44.5	42.1	39.6	37.1	36.5	35.3	34.6	34.0
5°	48.3	48.3	47.6	45.8	43.3	41.4	41.4	39.6	38.4	37.1
7.5°	49.5	50.1	51.3	50.7	49.5	47.6	47.6	46.4	44.5	41.4
10°	51.3	53.2	55.7	56.9	57.5	57.5	56.9	56.3	53.2	48.9
12.5°	53.2	56.9	63.1	69.3	73.0	77.9	77.3	76.1	68.1	58.8
15°	56.9	62.5	75.5	93.4	121.3	138.6	145.4	139.2	112.6	79.2
17.5°	61.2	70.5	109.5	195.5	320.5	379.8	415.7	386.7	256.1	150.3
20°	65.6	86.0	203.5	506.7	831.5	1025.7	1079.5	995.4	639.1	286.4
22.5°	73.0	120.6	412.6	1047.4	1791.6	2083.0	2138.0	1868.9	1207.0	565.4
25°	88.5	175.1	711.4	1706.8	2673.8	3165.6	3142.7	2790.1	1958.0	903.2
27.5°	110.7	254.9	1075.8	2425.1	3518.8	3952.5	4004.5	3568.3	2610.0	1328.2
30°	142.9	353.2	1466.8	3000.4	4196.2	4665.2	4673.8	4222.8	3193.4	1701.3
32.5°	173.8	446.0	1808.9	3556.6	4863.8	5377.8	5416.2	4861.3	3628.9	2089.8
35°	197.3	506.7	2155.3	4045.3	5536.8	6245.2	6242.7	5583.8	4144.9	2436.8
37.5°	199.2	567.3	2469.0	4545.2	6389.3	7182.4	7261.0	6534.7	4768.5	2866.2
40°	194.9	635.3	2866.2	5324.6	7925.4	9142.3	9211.6	8296.0	6019.4	3601.1
42.5°	199.8	753.5	3510.8	6764.2	10476.1	12223.7	12357.3	11394.7	8318.9	5100.7
45°	225.8	975.6	4861.3	9172.6	14111.8	16242.4	16197.9	14811.5	10994.5	7383.5
47.5°	311.8	1519.4	6863.2	11516.6	16435.4	18332.8	18371.2	16676.7	12555.9	9138.6
50°	479.4	2324.9	8545.3	12755.7	17434.5	19338.1	19302.2	17344.2	13149.2	10002.8
52.5°	623.6	2907.6	9389.1	13190.7	17562.6	19834.9	19832.4	17519.9	13241.4	10077.0
55°	659.5	2951.5	9395.9	13214.2	17849.6	20485.0	20566.7	17952.3	13360.8	9752.9
57.5°	645.2	2613.1	9003.7	13350.3	18360.6	20988.0	20992.3	18371.2	13663.9	9554.3
58°	632.9	2559.9	8924.5	13427.6	18448.5	21009.0	20998.5	18390.3	13910.8	9546.9
60°	563.6	2222.8	8615.8	13624.9	18317.9	20577.2	20478.9	17971.5	13874.3	9470.8
62.5°	442.9	1734.0	8312.1	13396.7	16918.6	18486.8	18527.7	15910.8	12648.1	9027.2
65°	352.6	1292.3	7678.6	11751.1	13931.8	15181.4	15333.6	12938.2	10557.1	7643.9
67.5°	280.9	934.1	6441.3	9355.7	11024.2	12670.4	12781.1	10862.7	8179.0	5856.7
70°	228.3	631.6	4446.2	6842.2	9092.8	10943.8	10950.6	9024.1	6104.7	3837.4
72.5°	202.3	437.4	2581.0	4990.0	7373.0	8917.7	8737.7	7322.8	4691.8	2272.9
75°	175.1	290.1	1265.7	3050.5	4470.3	4500.6	4569.3	3397.0	2345.3	1080.8
77.5°	144.1	206.0	498.6	833.3	1340.6	1716.1	1779.8	1348.6	780.1	266.0
80°	99.0	97.7	134.2	255.5	383.6	480.7	448.5	347.1	204.2	102.1
82.5°	42.7	46.4	60.6	73.0	59.4	57.5	55.1	35.3	27.2	21.0
85°	13.6	12.4	13.0	13.0	10.5	8.0	8.0	3.7	0.0	0.0
87.5°	6.8	5.6	5.6	4.9	3.1	1.2	0.6	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: P1065679

CATALOG NUMBER: GLAN-SA2C-950-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
35.9	0°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
33.4	2.5°	32.8	32.8	31.6	30.3	29.7	28.5	27.8	27.2	26.6	26.0
35.9	5°	34.6	34.0	32.2	30.3	28.5	26.6	25.4	24.1	22.9	22.3
39.6	7.5°	37.7	36.5	32.8	29.7	27.2	24.7	23.5	21.7	20.4	18.6
43.9	10°	41.4	39.0	34.0	30.3	26.6	23.5	21.7	19.8	17.9	15.5
50.1	12.5°	46.4	42.1	35.9	29.7	25.4	21.7	19.8	17.3	15.5	13.6
58.2	15°	50.7	45.2	36.5	29.7	24.1	19.8	17.3	14.8	13.0	10.5
73.0	17.5°	56.9	47.6	35.9	27.8	22.3	17.3	14.8	13.0	9.9	6.2
108.3	20°	67.4	49.5	34.6	26.0	19.2	14.2	11.1	8.7	4.3	1.2
162.7	22.5°	84.1	54.4	33.4	23.5	16.7	11.1	7.4	3.1	0.0	0.0
247.5	25°	116.3	63.1	33.4	22.3	14.8	8.0	2.5	0.0	0.0	0.0
351.4	27.5°	154.7	74.9	33.4	19.2	11.8	4.3	0.0	0.0	0.0	0.0
478.8	30°	193.6	87.8	33.4	16.7	9.3	0.6	0.0	0.0	0.0	0.0
589.6	32.5°	230.8	99.0	34.0	14.2	6.2	0.0	0.0	0.0	0.0	0.0
743.0	35°	268.5	100.8	33.4	12.4	3.7	0.0	0.0	0.0	0.0	0.0
931.1	37.5°	316.7	97.1	31.6	11.1	1.9	0.0	0.0	0.0	0.0	0.0
1224.9	40°	389.7	99.0	29.7	10.5	0.6	0.0	0.0	0.0	0.0	0.0
1748.9	42.5°	524.6	107.0	27.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0
2785.7	45°	906.9	143.5	24.7	11.1	0.0	0.0	0.0	0.0	0.0	0.0
4182.0	47.5°	1500.2	258.0	24.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
5037.6	50°	1914.7	324.8	25.4	11.8	0.0	0.0	0.0	0.0	0.0	0.0
5144.6	52.5°	1911.6	361.9	26.6	12.4	2.5	0.0	0.0	0.0	0.0	0.0
4741.9	55°	1699.4	368.7	28.5	13.6	8.0	0.0	0.0	0.0	0.0	0.0
4075.0	57.5°	1420.4	336.5	32.8	16.7	14.8	0.0	0.0	0.0	0.0	0.0
3970.4	58°	1370.9	321.7	34.0	17.3	16.1	0.0	0.0	0.0	0.0	0.0
3444.0	60°	1123.5	262.3	43.3	21.7	21.7	0.0	0.0	0.0	0.0	0.0
2823.5	62.5°	775.8	228.9	49.5	27.8	22.3	0.0	0.0	0.0	0.0	0.0
2081.7	65°	548.7	206.6	53.8	29.7	17.9	0.0	0.0	0.0	0.0	0.0
1479.2	67.5°	410.2	190.5	59.4	30.3	9.3	0.0	0.0	0.0	0.0	0.0
928.0	70°	314.3	178.8	73.0	32.2	2.5	0.0	0.0	0.0	0.0	0.0
553.1	72.5°	256.1	165.2	88.5	33.4	0.0	0.0	0.0	0.0	0.0	0.0
331.6	75°	212.2	149.1	85.4	36.5	0.0	0.0	0.0	0.0	0.0	0.0
176.9	77.5°	141.1	115.7	77.9	36.5	0.0	0.0	0.0	0.0	0.0	0.0
63.1	80°	49.5	45.8	60.6	32.2	0.0	0.0	0.0	0.0	0.0	0.0
13.0	82.5°	7.4	6.2	8.7	11.1	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

REPORT NUMBER: P1065679

CATALOG NUMBER: GLAN-SA2C-950-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
35.9	0°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
25.4	2.5°	25.4	25.4	24.7	25.4	25.4	26.6	29.7	34.0	39.0	40.8
21.7	5°	21.0	20.4	19.8	19.8	19.8	21.7	24.1	29.1	34.6	37.1
17.9	7.5°	17.3	16.7	16.1	15.5	15.5	16.7	19.8	25.4	30.9	33.4
14.8	10°	14.2	13.0	12.4	11.8	11.8	13.0	16.1	21.7	27.8	30.3
12.4	12.5°	11.8	9.9	8.7	8.0	7.4	9.3	12.4	17.3	24.1	27.2
9.3	15°	8.0	6.2	4.3	3.7	3.1	4.9	8.0	13.6	20.4	24.1
4.9	17.5°	4.3	1.9	0.6	0.0	0.0	1.2	3.7	9.9	16.7	19.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	12.4	15.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	7.4	10.5
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.6
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.9
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: P1065679

CATALOG NUMBER: GLAN-SA2C-950-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
35.9	0°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
42.7	2.5°	43.9	43.3	42.1	40.8	40.8	40.8	42.7	44.5	46.4	46.4
38.4	5°	40.8	40.8	40.2	39.0	39.0	39.6	42.1	45.2	47.6	48.3
35.3	7.5°	37.7	39.0	37.7	37.1	37.7	38.4	40.8	44.5	48.3	49.5
32.8	10°	35.9	36.5	36.5	35.9	35.9	37.1	39.6	44.5	49.5	51.3
29.7	12.5°	33.4	34.6	34.0	34.0	34.0	35.3	38.4	43.9	50.7	53.2
26.6	15°	30.9	32.8	32.8	32.2	32.2	32.8	37.1	43.3	52.6	56.9
22.9	17.5°	28.5	30.3	30.9	29.7	29.7	30.9	35.3	43.3	53.8	61.2
18.6	20°	23.5	26.6	28.5	26.6	26.6	27.8	32.2	40.8	54.4	65.6
13.6	22.5°	18.6	21.7	24.1	23.5	23.5	24.1	29.7	39.0	55.1	73.0
8.0	25°	13.6	16.7	18.6	19.8	19.8	21.7	27.2	37.7	57.5	88.5
3.7	27.5°	8.0	11.8	14.2	15.5	16.1	18.6	25.4	36.5	61.9	110.7
0.0	30°	3.7	6.8	9.9	12.4	12.4	16.7	23.5	35.3	67.4	142.9
0.0	32.5°	0.0	3.1	4.9	8.7	9.3	13.6	21.7	34.0	75.5	173.8
0.0	35°	0.0	0.0	2.5	6.8	6.8	11.1	19.8	32.8	87.8	197.3
0.0	37.5°	0.0	0.0	0.0	4.9	5.6	9.9	19.2	32.2	90.3	199.2
0.0	40°	0.0	0.0	0.0	3.7	4.3	9.3	19.2	32.8	81.7	194.9
0.0	42.5°	0.0	0.0	0.0	2.5	3.1	9.3	19.2	34.0	73.6	199.8
0.0	45°	0.0	0.0	0.0	1.9	2.5	9.9	18.6	33.4	69.3	225.8
0.0	47.5°	0.0	0.0	0.0	2.5	3.7	9.9	17.9	32.8	69.9	311.8
0.0	50°	0.0	0.0	0.0	3.1	4.3	9.9	18.6	31.6	76.7	479.4
0.0	52.5°	0.0	0.0	0.0	2.5	3.7	11.1	20.4	30.9	83.5	623.6
0.0	55°	0.0	0.0	0.0	0.6	1.9	14.2	22.3	30.9	94.0	659.5
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	16.1	25.4	32.8	111.4	645.2
0.0	58°	0.0	0.0	0.0	0.0	0.0	16.1	26.0	32.8	112.6	632.9
0.0	60°	0.0	0.0	0.0	0.0	0.0	16.1	28.5	36.5	121.3	563.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	13.6	34.0	45.8	126.2	442.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	11.1	40.2	50.1	129.9	352.6
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	10.5	41.4	50.7	131.8	280.9
0.0	70°	0.0	0.0	0.0	0.0	0.0	11.1	40.8	54.4	138.0	228.3
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	12.4	37.1	60.0	138.0	202.3
0.0	75°	0.0	0.0	0.0	0.0	0.0	13.0	34.6	67.4	125.6	175.1
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	12.4	34.0	78.6	112.0	144.1
0.0	80°	1.2	1.9	1.9	1.2	1.2	10.5	33.4	79.8	95.3	99.0
0.6	82.5°	3.7	4.9	4.3	3.1	3.1	9.3	29.7	66.8	49.5	42.7
3.7	85°	6.8	8.0	8.0	6.8	6.8	8.7	18.6	24.1	16.7	13.6
6.8	87.5°	9.3	10.5	10.5	9.3	9.3	8.7	8.0	7.4	6.8	6.8
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

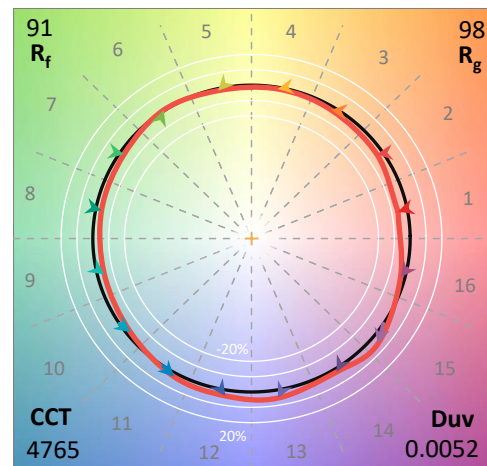
Test Information

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

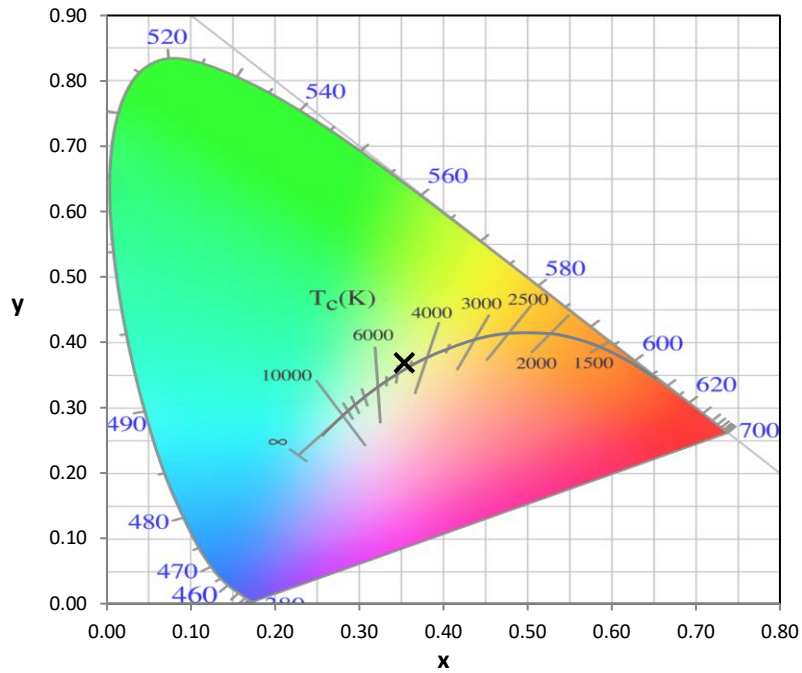
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

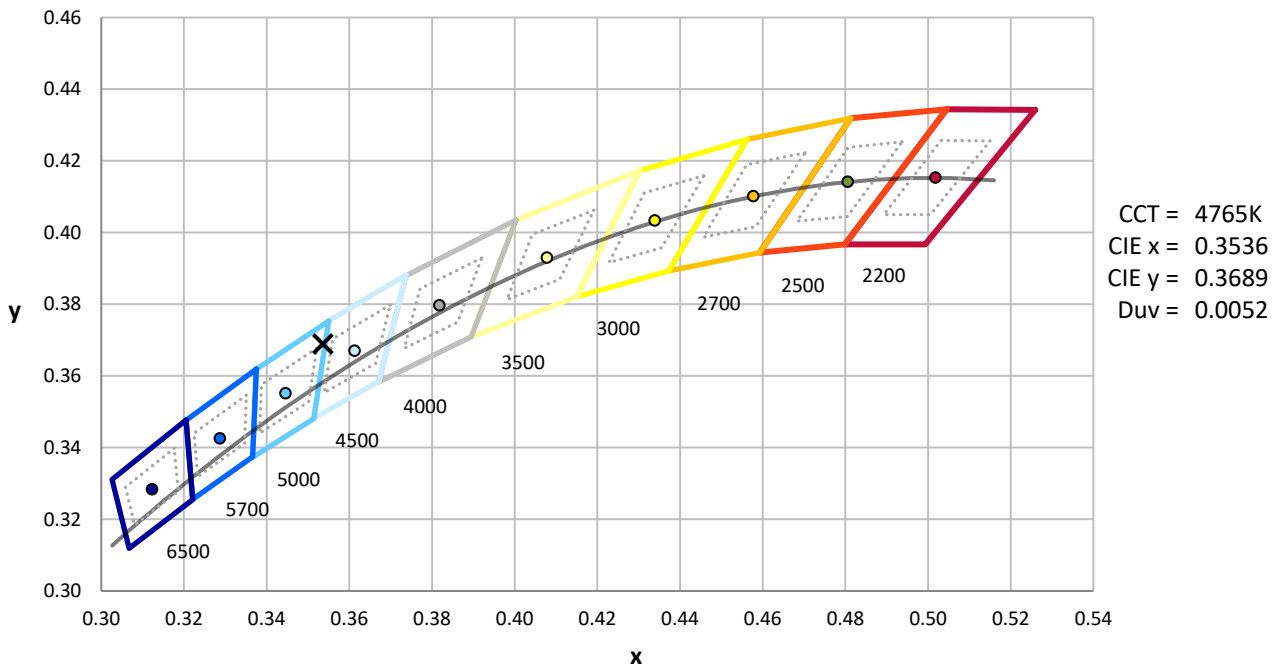
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



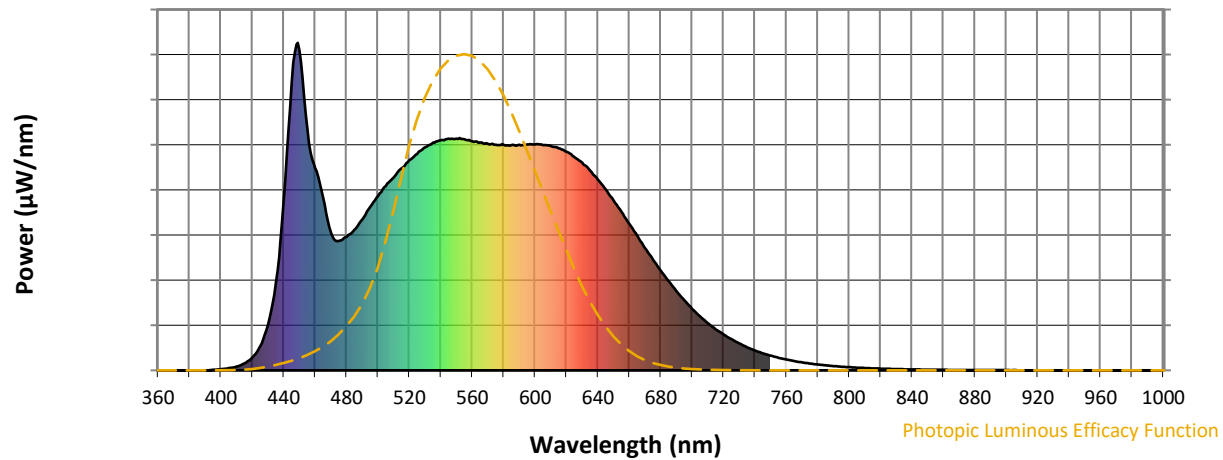
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

Photopic Flux vs. Wavelength

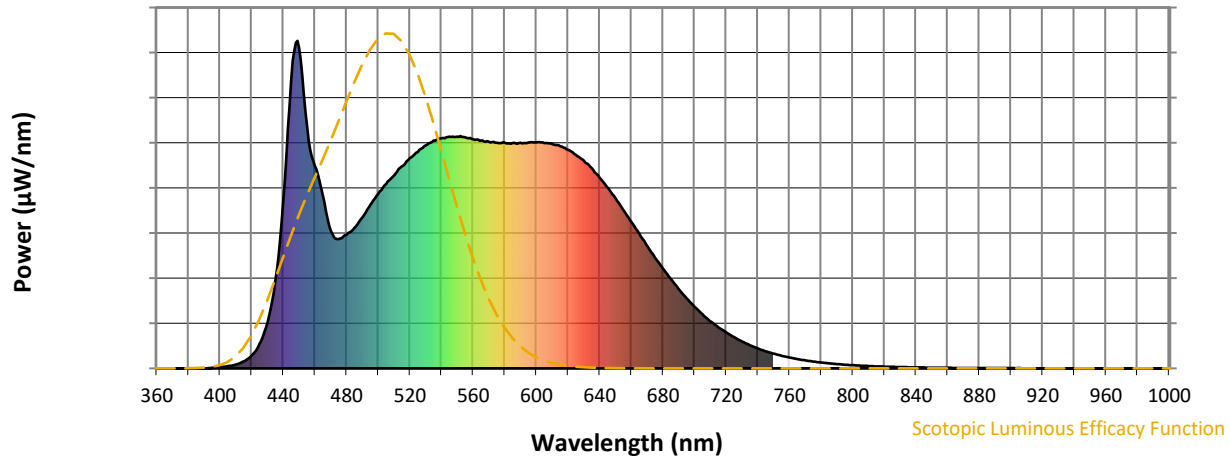


Photopic Lumens: NR

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



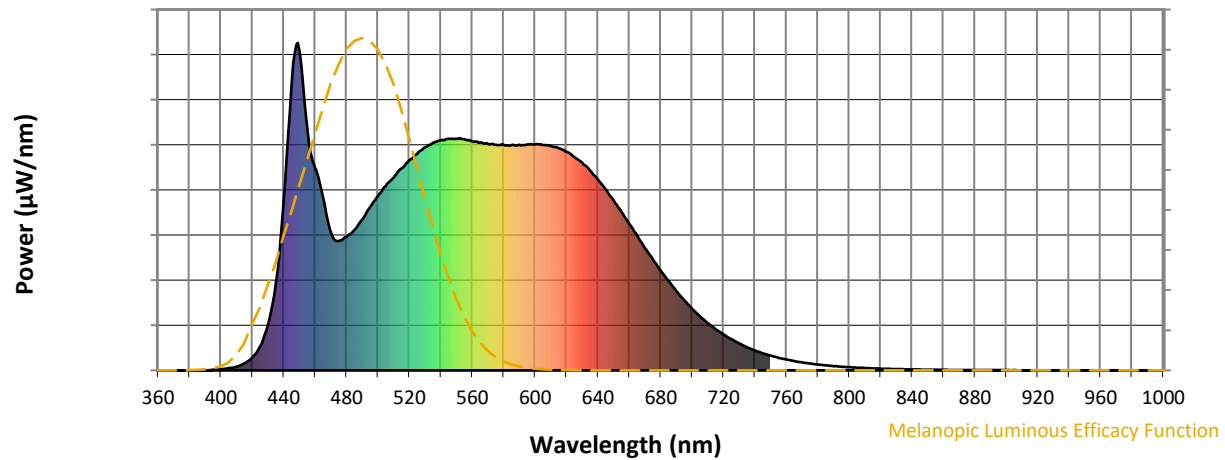
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-17

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 4.22

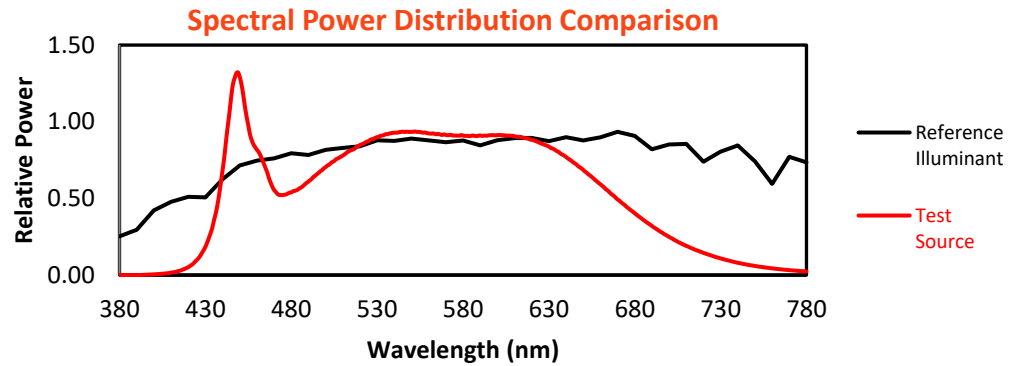
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	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

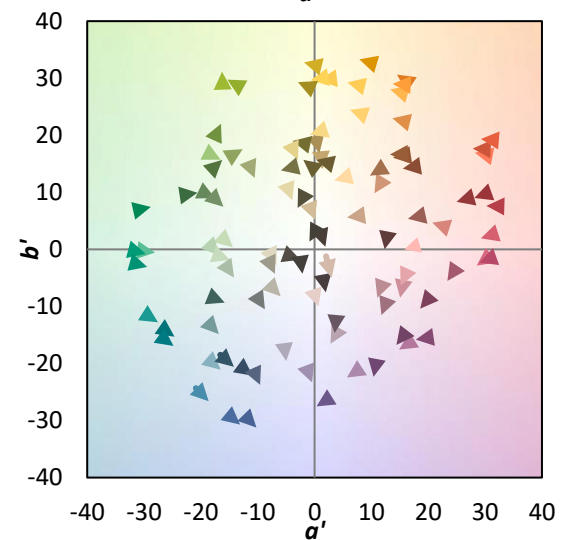
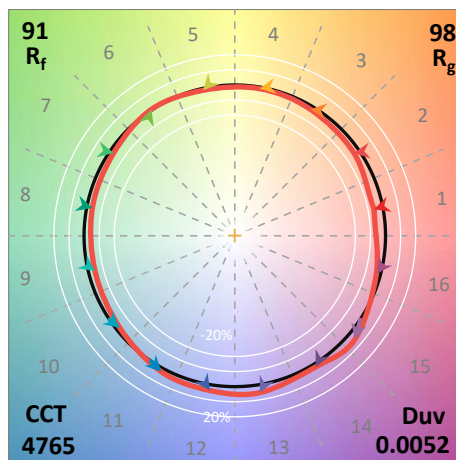
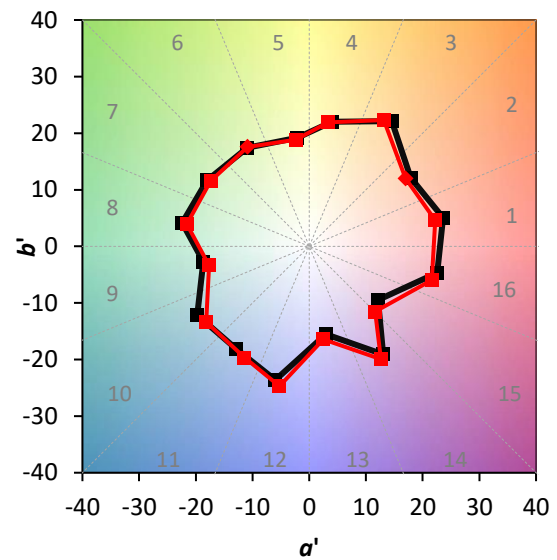
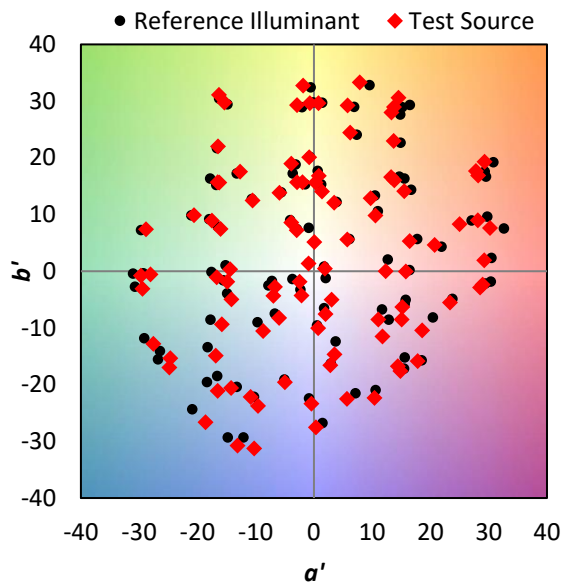
TM-30-18

Summary

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

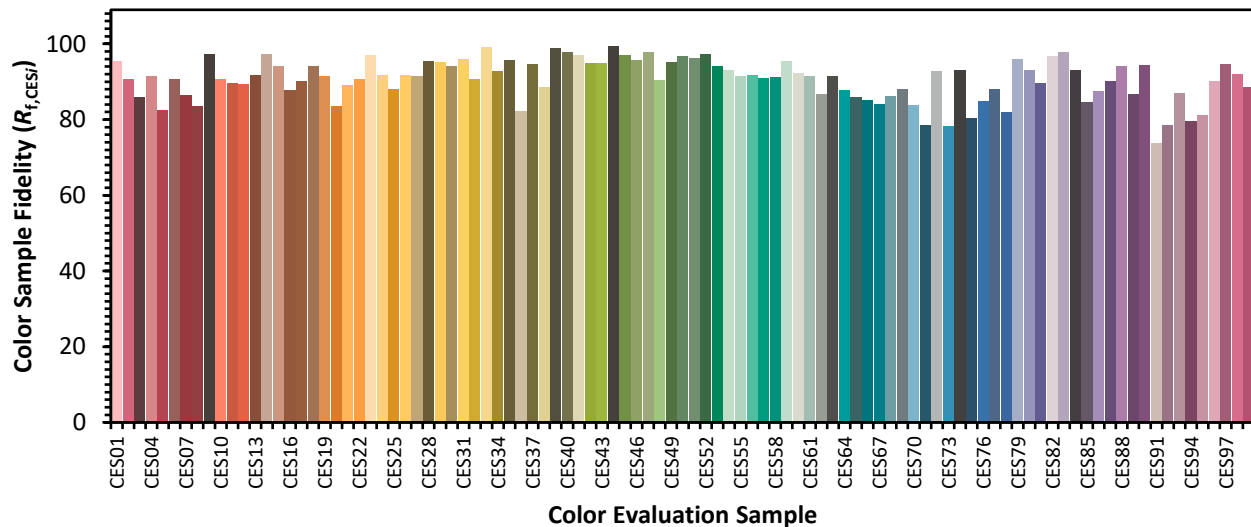


Color Vector Graphics

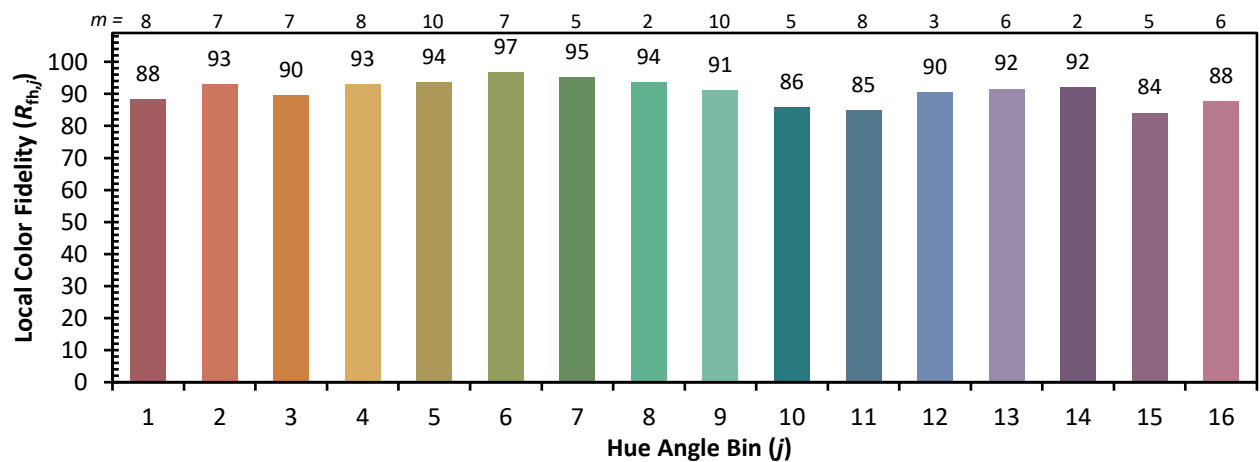
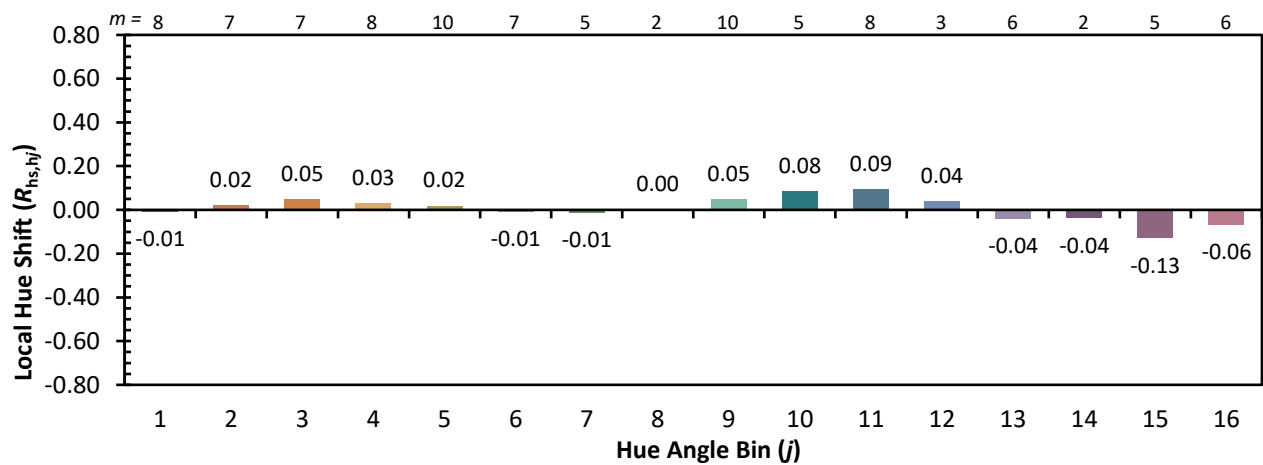
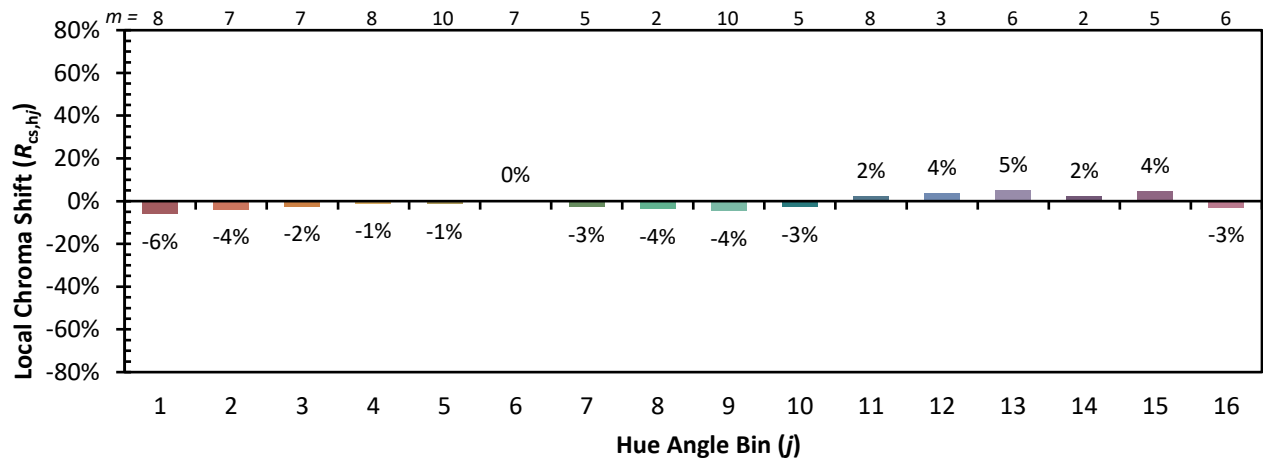


Individual Sample Fidelity Index ($R_{f,i}$)

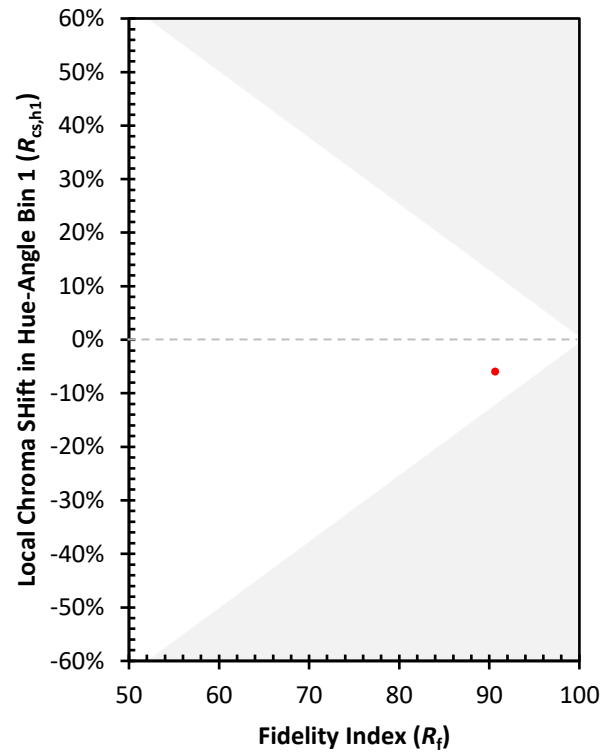
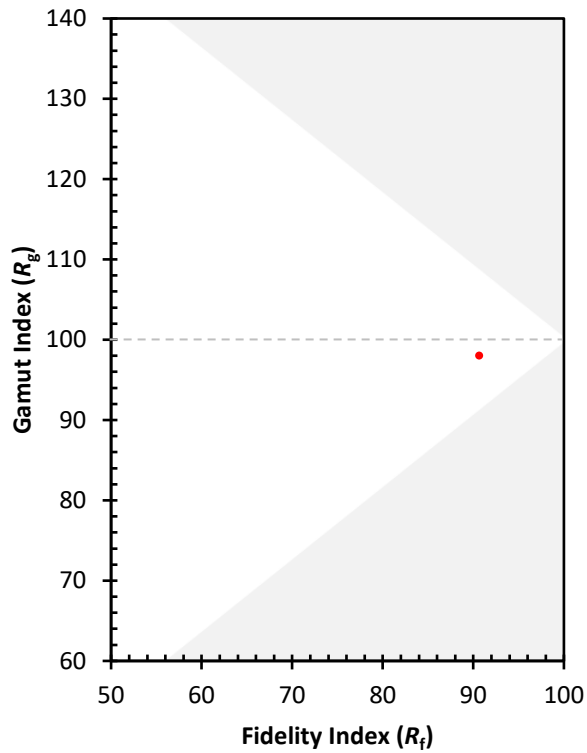
CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 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)