

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: McGRAW-EDISON

Report Number: P1049953

Luminaire Tested: **GALN-SA7A-930-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049953
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7A-930-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 7xLight Square PACKAGE
90CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (98) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15694.3 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

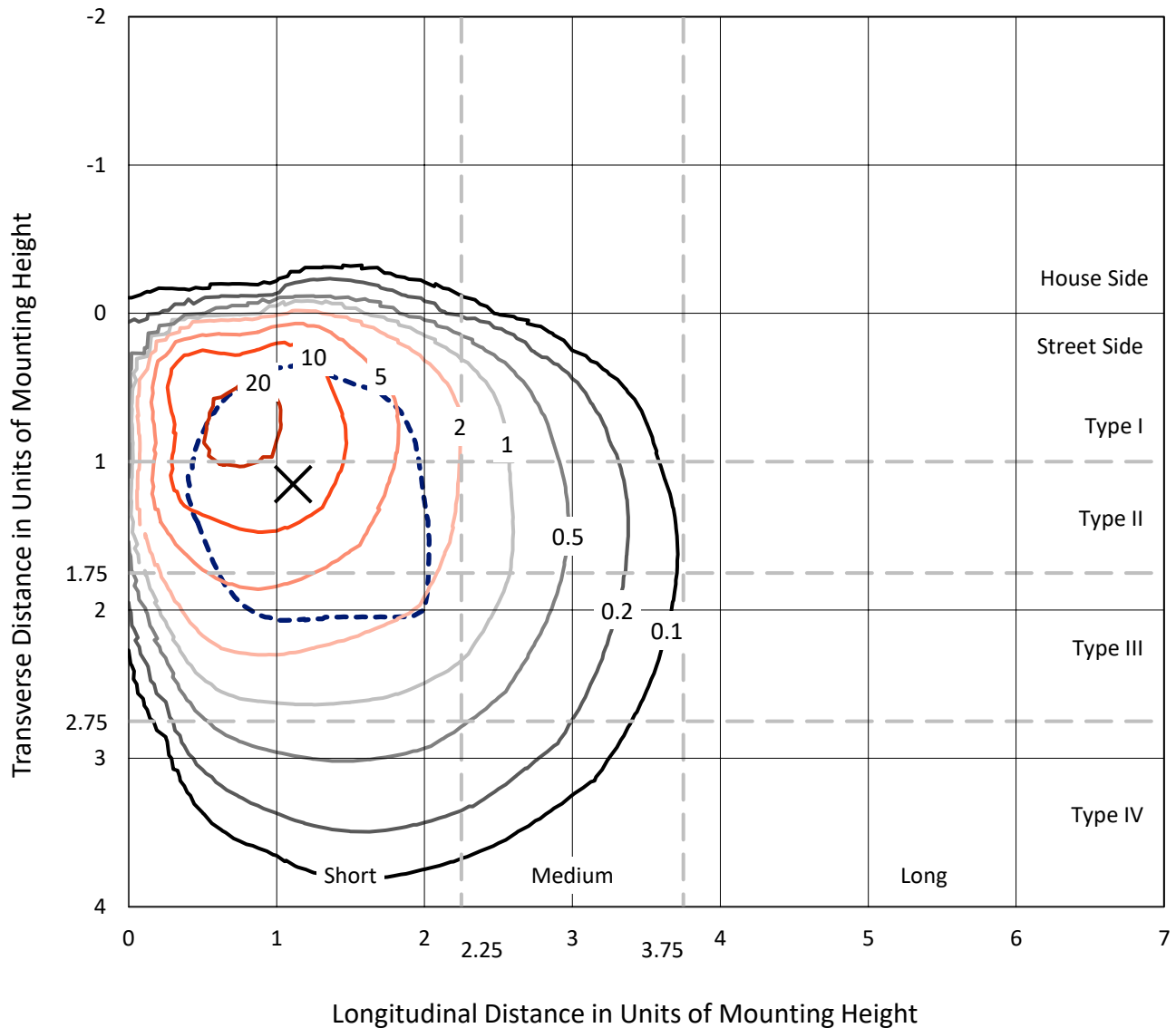
Input Watts (W): 193.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049953

CATALOG NUMBER: GALN-SA7A-930-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

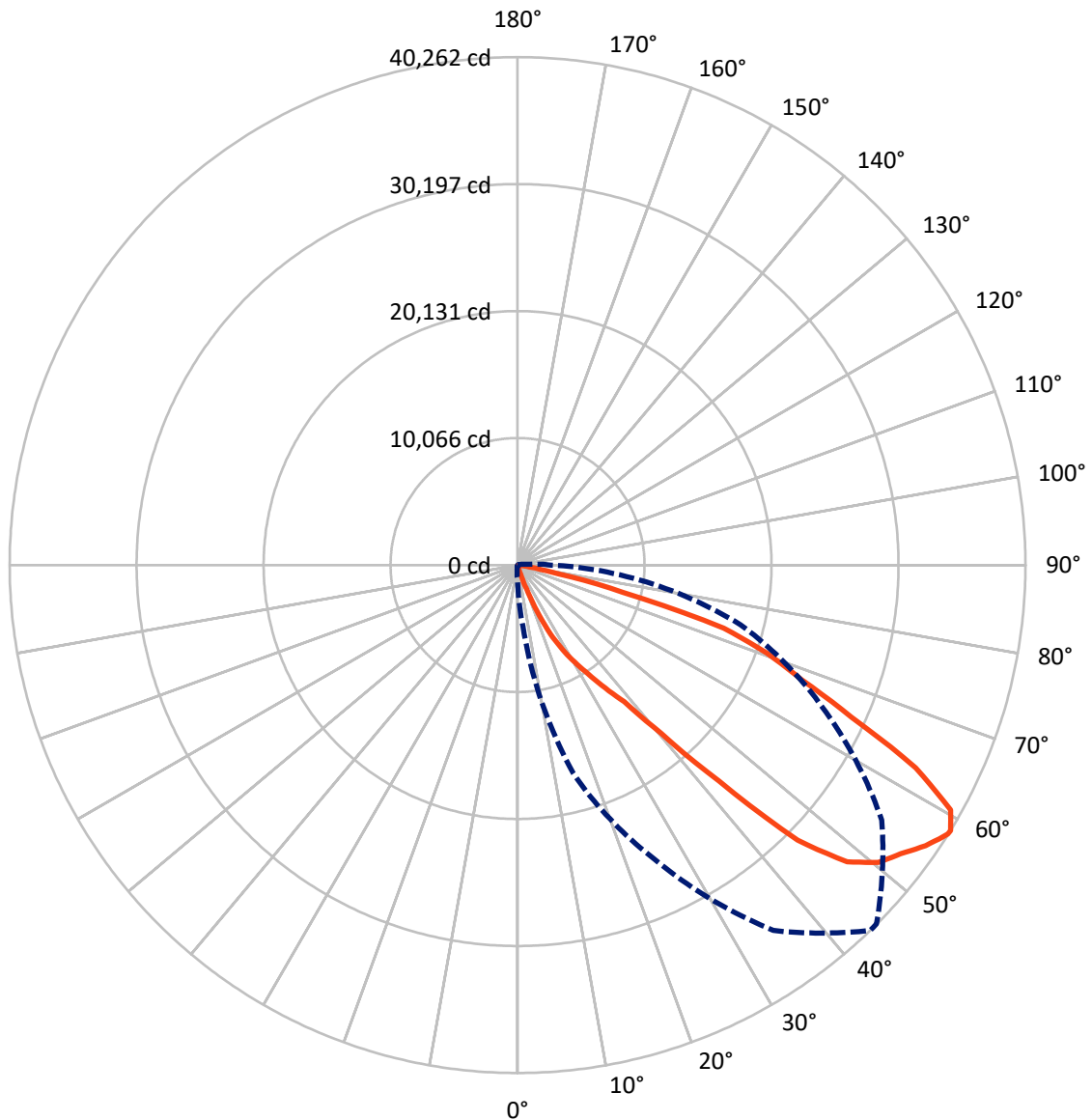
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 27.3 fc
 Type III - Short - N/A

REPORT NUMBER: P1049953
CATALOG NUMBER: GALN-SA7A-930-U-LBC

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1049953

CATALOG NUMBER: GALN-SA7A-930-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	107.2	0.0	107.2
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	15587.2	0.0	15587.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	15694.3	0.0	15694.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.0
10°-20°	34.4	0.2
20°-30°	371.8	2.4
30°-40°	1099.5	7.0
40°-50°	3277.2	20.9
50°-60°	5200.2	33.1
60°-70°	4337.6	27.6
70°-80°	1337.8	8.5
80°-90°	29.7	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°	15694.3	100.0
0°-180°	15694.3	100.0



REPORT NUMBER: P1049953

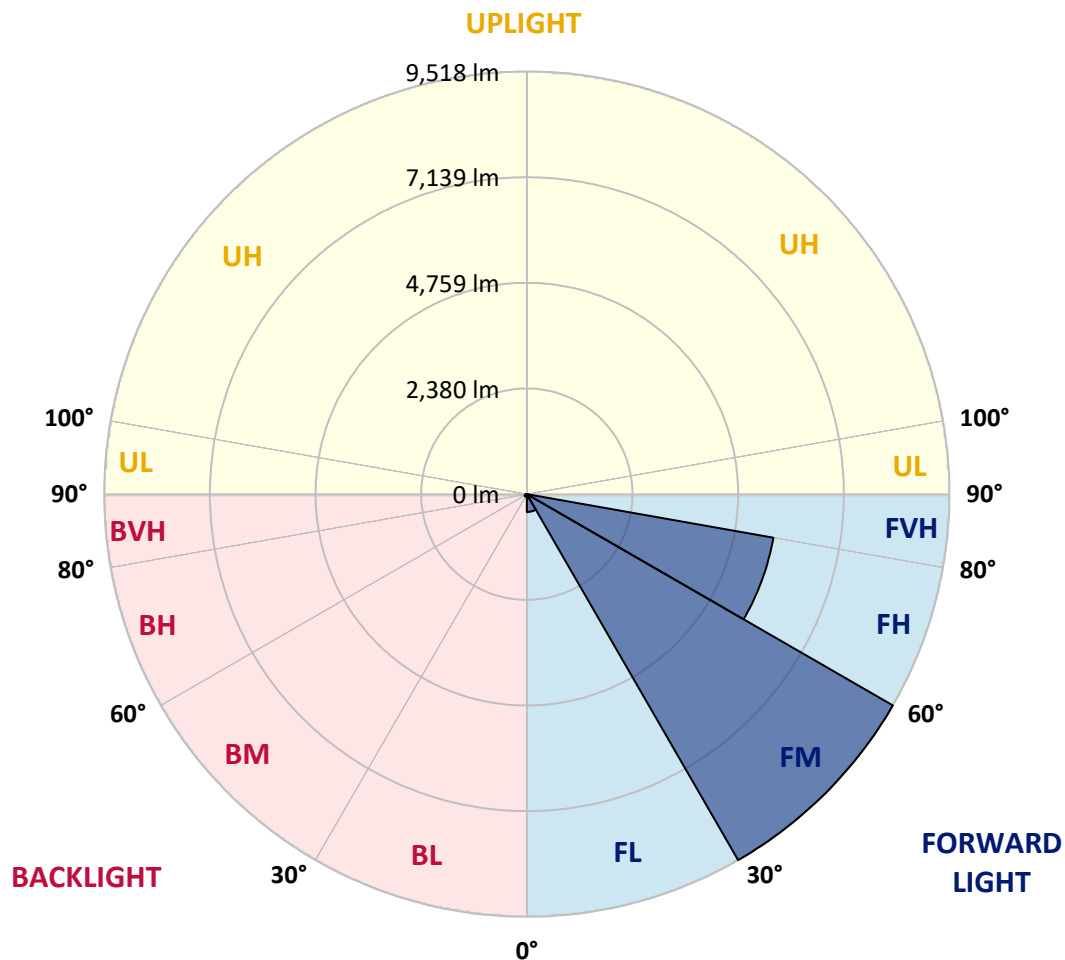
CATALOG NUMBER: GALN-SA7A-930-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.9	2.6			
FM	(30°-60°)	9518.3	60.6			
FH	(60°-80°)	5638.7	35.9			G3/7500
FVH	(80°-90°)	28.3	0.2			G1/100
BL	(0°-30°)	10.5	0.1	B0/110		
BM	(30°-60°)	58.7	0.4	B0/220		
BH	(60°-80°)	36.6	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



REPORT NUMBER: P1049953

CATALOG NUMBER: GALN-SA7A-930-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	88.9	88.9	85.4	80.6	75.9	71.1	69.9	67.6	66.4	65.2
5°	92.5	92.5	91.3	87.7	83.0	79.4	79.4	75.9	73.5	71.1
7.5°	94.8	96.0	98.4	97.2	94.8	91.3	91.3	88.9	85.4	79.4
10°	98.4	102.0	106.7	109.1	110.3	110.3	109.1	107.9	102.0	93.7
12.5°	102.0	109.1	120.9	132.8	139.9	149.4	148.2	145.8	130.4	112.6
15°	109.1	119.7	144.6	179.0	232.4	265.6	278.6	266.8	215.8	151.8
17.5°	117.4	135.2	209.8	374.6	614.1	727.9	796.7	741.0	490.8	288.1
20°	125.7	164.8	390.1	971.0	1593.4	1965.7	2068.8	1907.6	1224.7	548.9
22.5°	139.9	231.2	790.8	2007.2	3433.4	3991.8	4097.3	3581.6	2313.1	1083.6
25°	169.5	335.5	1363.4	3271.0	5124.0	6066.6	6022.7	5346.9	3752.3	1730.9
27.5°	212.2	488.5	2061.7	4647.4	6743.5	7574.6	7674.2	6838.4	5001.9	2545.4
30°	273.9	677.0	2811.0	5750.0	8041.7	8940.4	8957.0	8092.7	6119.9	3260.3
32.5°	333.1	854.8	3466.6	6815.9	9321.0	10306.2	10379.7	9316.2	6954.6	4004.9
35°	378.2	971.0	4130.5	7752.5	10610.9	11968.4	11963.6	10701.0	7943.3	4670.0
37.5°	381.8	1087.2	4731.6	8710.4	12244.6	13764.5	13915.1	12523.2	9138.4	5492.8
40°	373.5	1217.6	5492.8	10204.2	15188.4	17520.4	17653.2	15898.5	11535.6	6901.2
42.5°	382.9	1444.0	6728.1	12963.1	20076.5	23425.7	23681.8	21837.1	15942.4	9775.0
45°	432.7	1869.6	9316.2	17578.5	27044.1	31127.2	31041.9	28385.0	21070.0	14149.8
47.5°	597.5	2911.8	13152.7	22070.6	31497.1	35133.3	35206.8	31959.5	24062.4	17513.3
50°	918.8	4455.4	16376.3	24445.3	33411.8	37059.8	36991.1	33238.7	25199.3	19169.5
52.5°	1195.1	5572.2	17993.4	25278.8	33657.2	38011.8	38007.1	33575.4	25376.0	19311.8
55°	1263.8	5656.4	18006.5	25323.8	34207.3	39257.9	39414.4	34404.1	25604.8	18690.6
57.5°	1236.6	5007.9	17254.8	25584.7	35186.6	40221.7	40230.0	35206.8	26185.7	18310.0
58°	1212.8	4905.9	17103.1	25732.9	35355.0	40262.0	40241.9	35243.5	26658.8	18295.8
60°	1080.1	4259.8	16511.5	26111.1	35104.8	39434.5	39246.0	34440.9	26588.8	18149.9
62.5°	848.9	3323.2	15929.4	25673.6	32423.0	35428.5	35506.7	30491.7	24239.0	17299.9
65°	675.8	2476.7	14715.3	22520.0	26699.1	29094.0	29385.6	24795.1	20231.8	14648.9
67.5°	538.3	1790.2	12344.2	17929.4	21126.9	24281.7	24493.9	20817.5	15674.5	11223.8
70°	437.5	1210.5	8520.7	13112.4	17425.5	20972.8	20985.8	17293.9	11699.2	7354.1
72.5°	387.7	838.2	4946.2	9562.8	14129.7	17090.0	16745.0	14033.6	8991.4	4355.8
75°	335.5	556.0	2425.7	5846.1	8566.9	8625.0	8756.6	6510.0	4494.5	2071.2
77.5°	276.2	394.8	955.6	1597.0	2569.1	3288.8	3410.9	2584.5	1495.0	509.8
80°	189.7	187.3	257.3	489.6	735.1	921.2	859.5	665.1	391.2	195.6
82.5°	81.8	88.9	116.2	139.9	113.8	110.3	105.5	67.6	52.2	40.3
85°	26.1	23.7	24.9	24.9	20.2	15.4	15.4	7.1	0.0	0.0
87.5°	13.0	10.7	10.7	9.5	5.9	2.4	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

REPORT NUMBER: P1049953

CATALOG NUMBER: GALN-SA7A-930-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
68.8	0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
64.0	2.5°	62.8	62.8	60.5	58.1	56.9	54.5	53.4	52.2	51.0	49.8
68.8	5°	66.4	65.2	61.6	58.1	54.5	51.0	48.6	46.2	43.9	42.7
75.9	7.5°	72.3	69.9	62.8	56.9	52.2	47.4	45.1	41.5	39.1	35.6
84.2	10°	79.4	74.7	65.2	58.1	51.0	45.1	41.5	37.9	34.4	29.6
96.0	12.5°	88.9	80.6	68.8	56.9	48.6	41.5	37.9	33.2	29.6	26.1
111.4	15°	97.2	86.5	69.9	56.9	46.2	37.9	33.2	28.5	24.9	20.2
139.9	17.5°	109.1	91.3	68.8	53.4	42.7	33.2	28.5	24.9	19.0	11.9
207.5	20°	129.2	94.8	66.4	49.8	36.8	27.3	21.3	16.6	8.3	2.4
311.8	22.5°	161.2	104.3	64.0	45.1	32.0	21.3	14.2	5.9	0.0	0.0
474.2	25°	222.9	120.9	64.0	42.7	28.5	15.4	4.7	0.0	0.0	0.0
673.4	27.5°	296.4	143.5	64.0	36.8	22.5	8.3	0.0	0.0	0.0	0.0
917.6	30°	371.1	168.4	64.0	32.0	17.8	1.2	0.0	0.0	0.0	0.0
1129.9	32.5°	442.2	189.7	65.2	27.3	11.9	0.0	0.0	0.0	0.0	0.0
1423.9	35°	514.5	193.2	64.0	23.7	7.1	0.0	0.0	0.0	0.0	0.0
1784.3	37.5°	607.0	186.1	60.5	21.3	3.6	0.0	0.0	0.0	0.0	0.0
2347.4	40°	746.9	189.7	56.9	20.2	1.2	0.0	0.0	0.0	0.0	0.0
3351.6	42.5°	1005.4	205.1	52.2	20.2	0.0	0.0	0.0	0.0	0.0	0.0
5338.6	45°	1738.0	275.1	47.4	21.3	0.0	0.0	0.0	0.0	0.0	0.0
8014.5	47.5°	2875.0	494.4	46.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0
9654.1	50°	3669.3	622.4	48.6	22.5	0.0	0.0	0.0	0.0	0.0	0.0
9859.2	52.5°	3663.4	693.6	51.0	23.7	4.7	0.0	0.0	0.0	0.0	0.0
9087.4	55°	3256.8	706.6	54.5	26.1	15.4	0.0	0.0	0.0	0.0	0.0
7809.4	57.5°	2722.1	645.0	62.8	32.0	28.5	0.0	0.0	0.0	0.0	0.0
7609.0	58°	2627.2	616.5	65.2	33.2	30.8	0.0	0.0	0.0	0.0	0.0
6600.1	60°	2153.0	502.7	83.0	41.5	41.5	0.0	0.0	0.0	0.0	0.0
5411.0	62.5°	1486.7	438.7	94.8	53.4	42.7	0.0	0.0	0.0	0.0	0.0
3989.5	65°	1051.6	396.0	103.1	56.9	34.4	0.0	0.0	0.0	0.0	0.0
2834.7	67.5°	786.0	365.2	113.8	58.1	17.8	0.0	0.0	0.0	0.0	0.0
1778.4	70°	602.3	342.6	139.9	61.6	4.7	0.0	0.0	0.0	0.0	0.0
1059.9	72.5°	490.8	316.5	169.5	64.0	0.0	0.0	0.0	0.0	0.0	0.0
635.5	75°	406.7	285.7	163.6	69.9	0.0	0.0	0.0	0.0	0.0	0.0
339.1	77.5°	270.3	221.7	149.4	69.9	0.0	0.0	0.0	0.0	0.0	0.0
120.9	80°	94.8	87.7	116.2	61.6	0.0	0.0	0.0	0.0	0.0	0.0
24.9	82.5°	14.2	11.9	16.6	21.3	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: P1049953

CATALOG NUMBER: GALN-SA7A-930-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
68.8	0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
48.6	2.5°	48.6	48.6	47.4	48.6	48.6	51.0	56.9	65.2	74.7	78.2
41.5	5°	40.3	39.1	37.9	37.9	37.9	41.5	46.2	55.7	66.4	71.1
34.4	7.5°	33.2	32.0	30.8	29.6	29.6	32.0	37.9	48.6	59.3	64.0
28.5	10°	27.3	24.9	23.7	22.5	22.5	24.9	30.8	41.5	53.4	58.1
23.7	12.5°	22.5	19.0	16.6	15.4	14.2	17.8	23.7	33.2	46.2	52.2
17.8	15°	15.4	11.9	8.3	7.1	5.9	9.5	15.4	26.1	39.1	46.2
9.5	17.5°	8.3	3.6	1.2	0.0	0.0	2.4	7.1	19.0	32.0	37.9
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	23.7	29.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	14.2	20.2
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	10.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
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	3.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	9.5
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: P1049953

CATALOG NUMBER: GALN-SA7A-930-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
68.8	0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
81.8	2.5°	84.2	83.0	80.6	78.2	78.2	78.2	81.8	85.4	88.9	88.9
73.5	5°	78.2	78.2	77.1	74.7	74.7	75.9	80.6	86.5	91.3	92.5
67.6	7.5°	72.3	74.7	72.3	71.1	72.3	73.5	78.2	85.4	92.5	94.8
62.8	10°	68.8	69.9	69.9	68.8	68.8	71.1	75.9	85.4	94.8	98.4
56.9	12.5°	64.0	66.4	65.2	65.2	65.2	67.6	73.5	84.2	97.2	102.0
51.0	15°	59.3	62.8	62.8	61.6	61.6	62.8	71.1	83.0	100.8	109.1
43.9	17.5°	54.5	58.1	59.3	56.9	56.9	59.3	67.6	83.0	103.1	117.4
35.6	20°	45.1	51.0	54.5	51.0	51.0	53.4	61.6	78.2	104.3	125.7
26.1	22.5°	35.6	41.5	46.2	45.1	45.1	46.2	56.9	74.7	105.5	139.9
15.4	25°	26.1	32.0	35.6	37.9	37.9	41.5	52.2	72.3	110.3	169.5
7.1	27.5°	15.4	22.5	27.3	29.6	30.8	35.6	48.6	69.9	118.6	212.2
0.0	30°	7.1	13.0	19.0	23.7	23.7	32.0	45.1	67.6	129.2	273.9
0.0	32.5°	0.0	5.9	9.5	16.6	17.8	26.1	41.5	65.2	144.6	333.1
0.0	35°	0.0	0.0	4.7	13.0	13.0	21.3	37.9	62.8	168.4	378.2
0.0	37.5°	0.0	0.0	0.0	9.5	10.7	19.0	36.8	61.6	173.1	381.8
0.0	40°	0.0	0.0	0.0	7.1	8.3	17.8	36.8	62.8	156.5	373.5
0.0	42.5°	0.0	0.0	0.0	4.7	5.9	17.8	36.8	65.2	141.1	382.9
0.0	45°	0.0	0.0	0.0	3.6	4.7	19.0	35.6	64.0	132.8	432.7
0.0	47.5°	0.0	0.0	0.0	4.7	7.1	19.0	34.4	62.8	134.0	597.5
0.0	50°	0.0	0.0	0.0	5.9	8.3	19.0	35.6	60.5	147.0	918.8
0.0	52.5°	0.0	0.0	0.0	4.7	7.1	21.3	39.1	59.3	160.1	1195.1
0.0	55°	0.0	0.0	0.0	1.2	3.6	27.3	42.7	59.3	180.2	1263.8
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	30.8	48.6	62.8	213.4	1236.6
0.0	58°	0.0	0.0	0.0	0.0	0.0	30.8	49.8	62.8	215.8	1212.8
0.0	60°	0.0	0.0	0.0	0.0	0.0	30.8	54.5	69.9	232.4	1080.1
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	26.1	65.2	87.7	241.9	848.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	21.3	77.1	96.0	249.0	675.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	20.2	79.4	97.2	252.5	538.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	21.3	78.2	104.3	264.4	437.5
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	23.7	71.1	115.0	264.4	387.7
0.0	75°	0.0	0.0	0.0	0.0	0.0	24.9	66.4	129.2	240.7	335.5
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	23.7	65.2	150.6	214.6	276.2
0.0	80°	2.4	3.6	3.6	2.4	2.4	20.2	64.0	152.9	182.6	189.7
1.2	82.5°	7.1	9.5	8.3	5.9	5.9	17.8	56.9	128.0	94.8	81.8
7.1	85°	13.0	15.4	15.4	13.0	13.0	16.6	35.6	46.2	32.0	26.1
13.0	87.5°	17.8	20.2	20.2	17.8	17.8	16.6	15.4	14.2	13.0	13.0
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

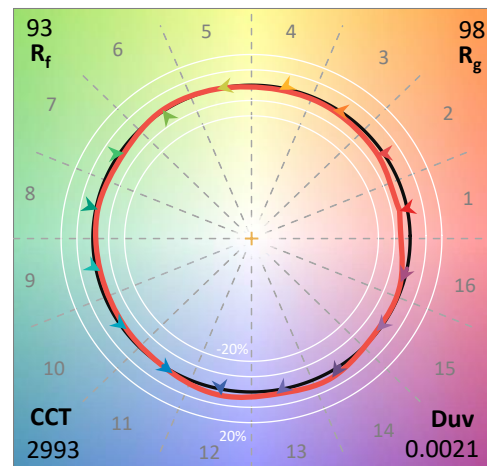
Test Information

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

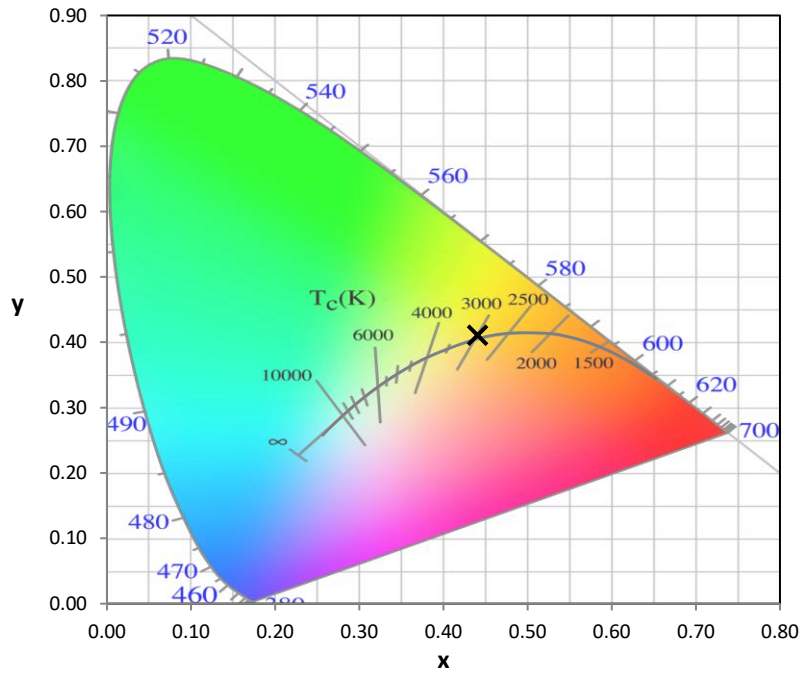
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

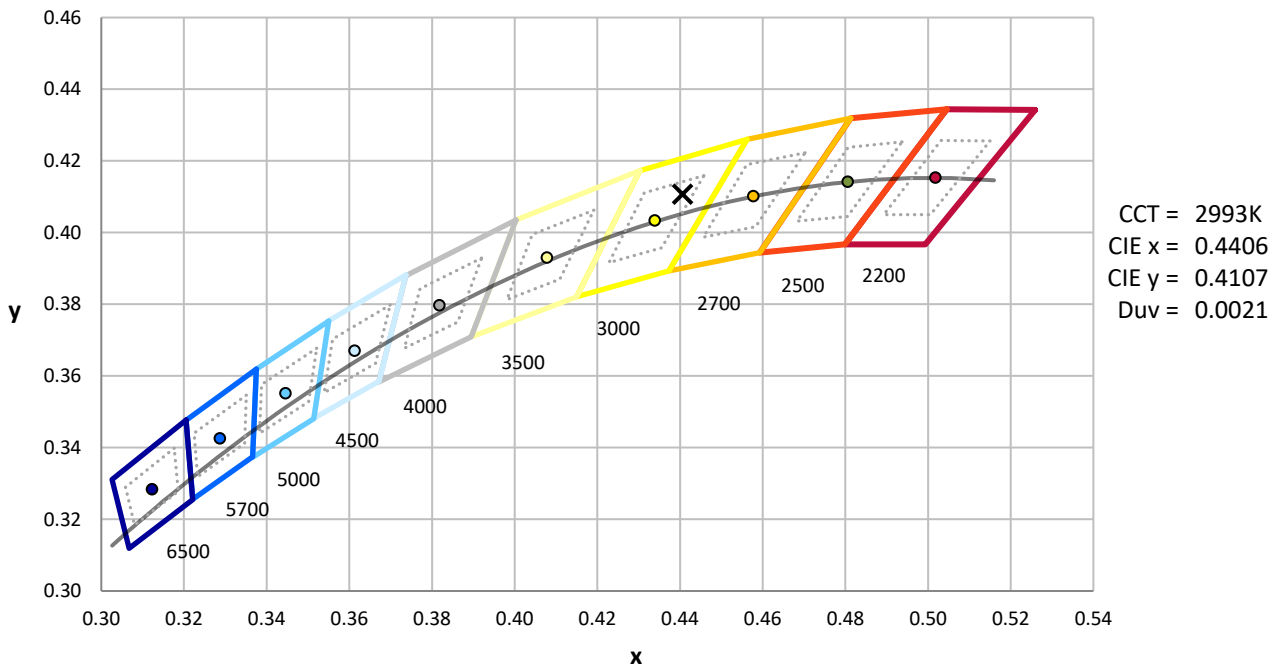
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-14

CIE 1931 Chromaticity Diagram



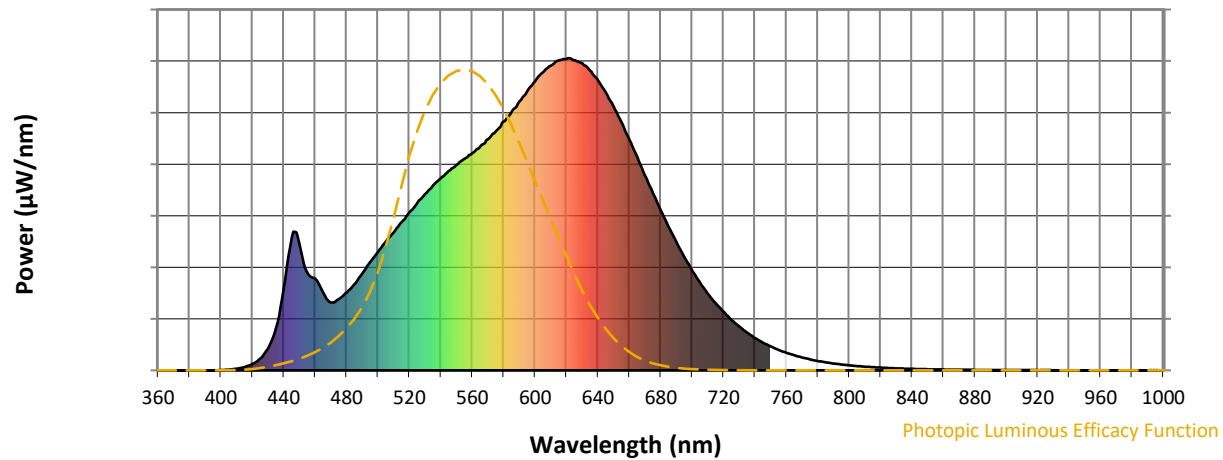
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

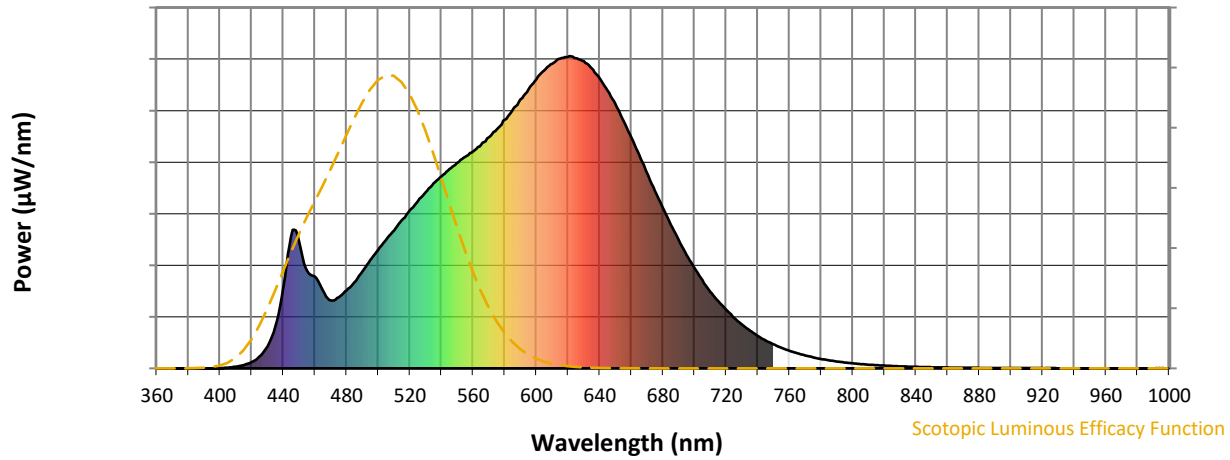


Photopic Lumens: NR

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



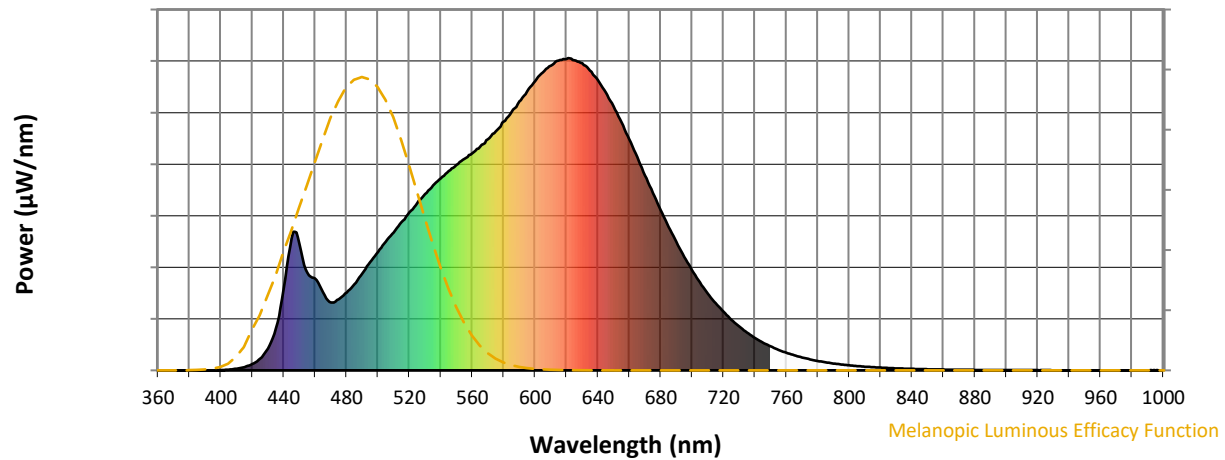
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-14

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

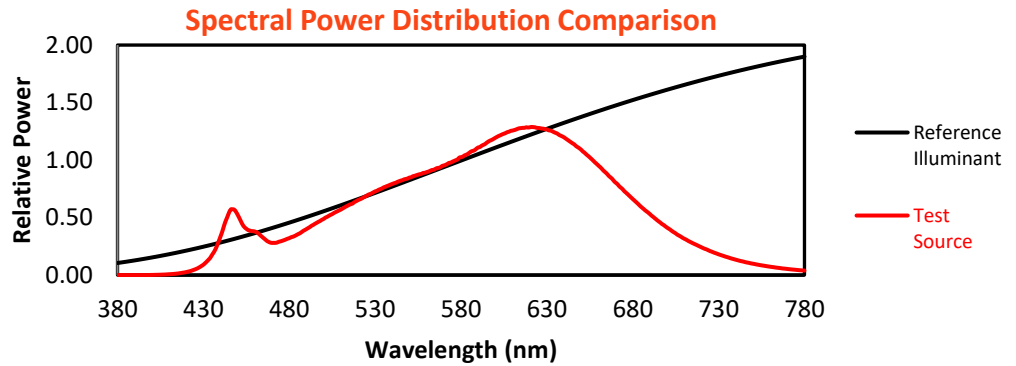
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	310	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			

REPORT NUMBER: SP1-2407-184-14

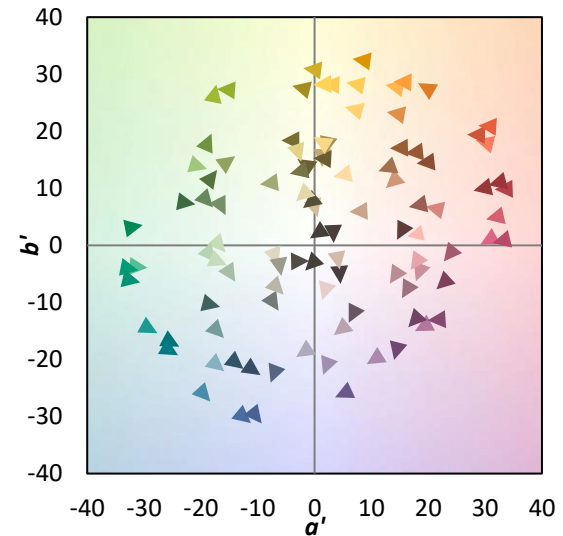
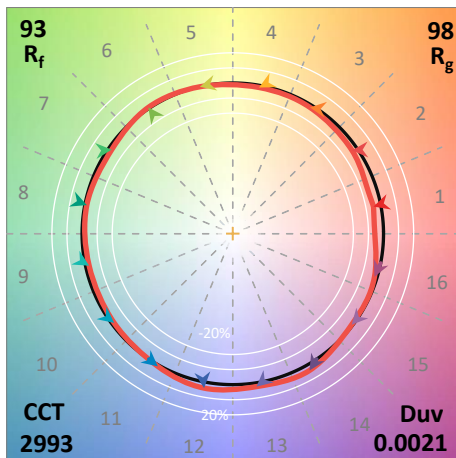
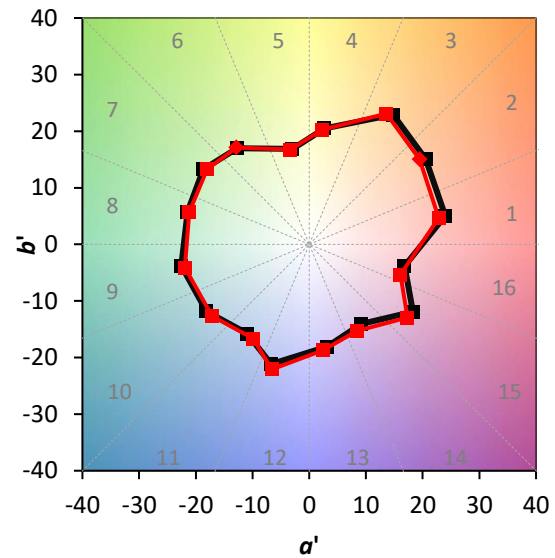
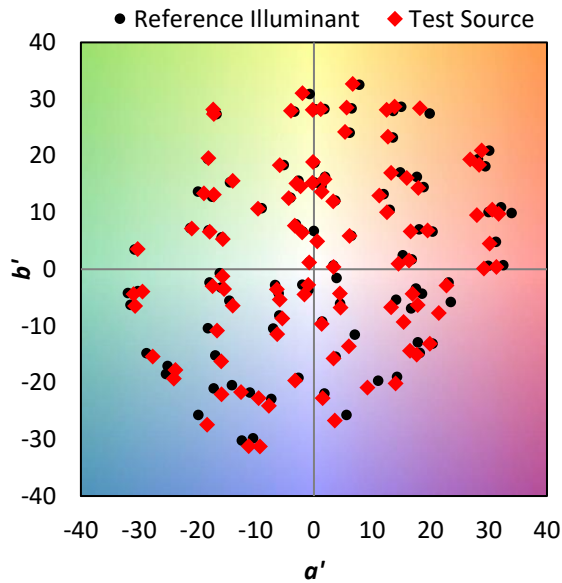
TM-30-18

Summary

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

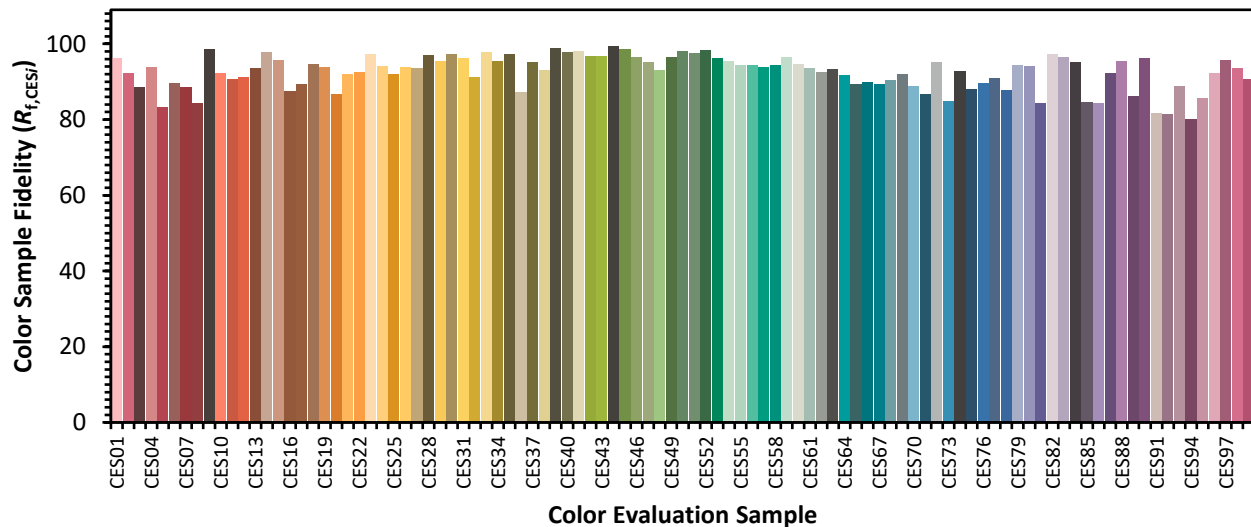


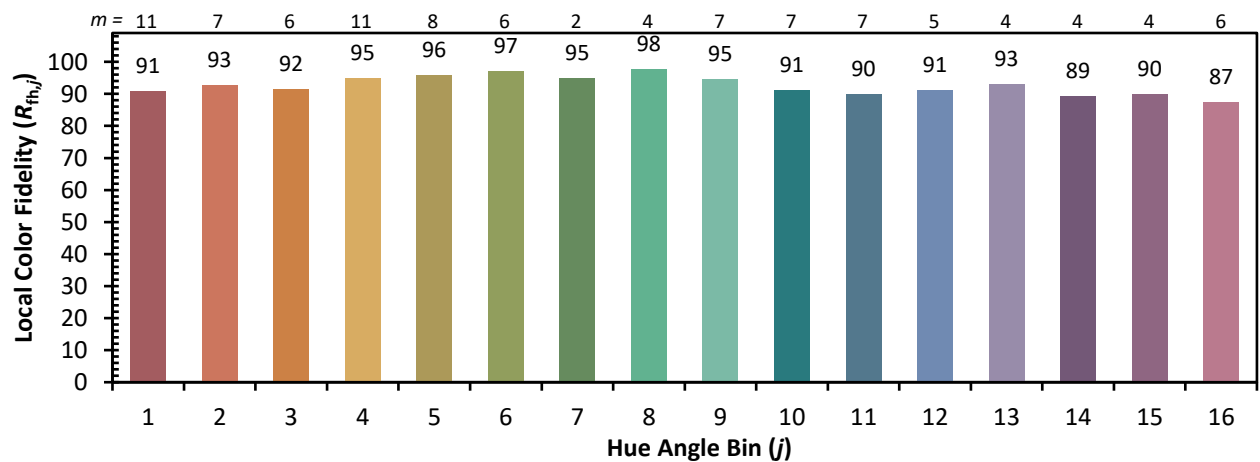
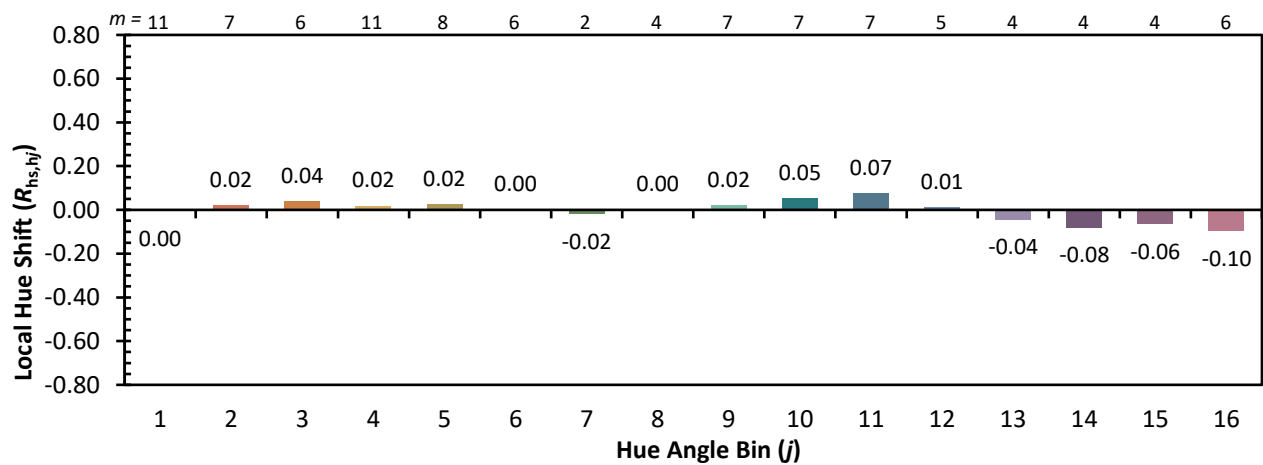
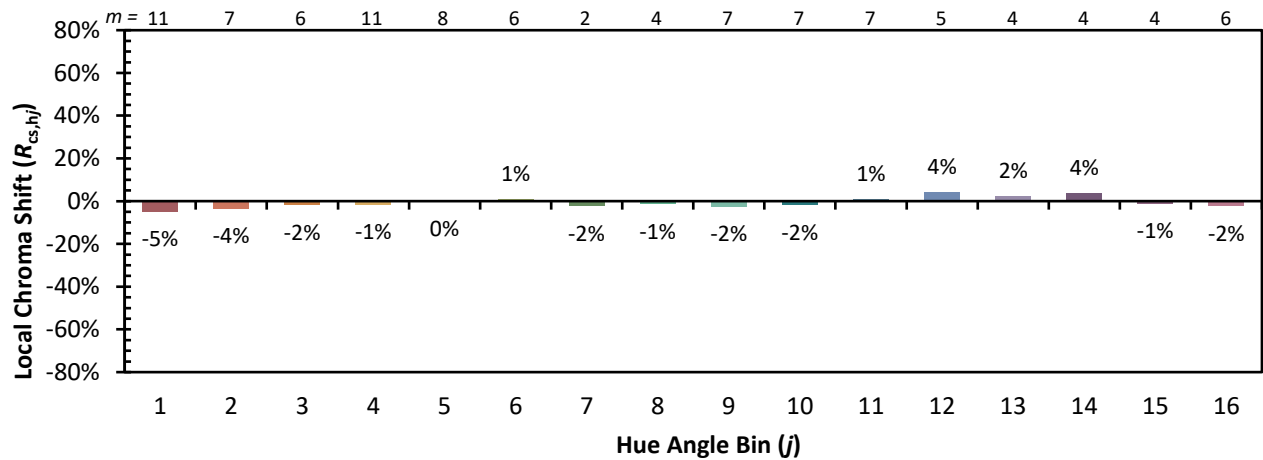
Color Vector Graphics



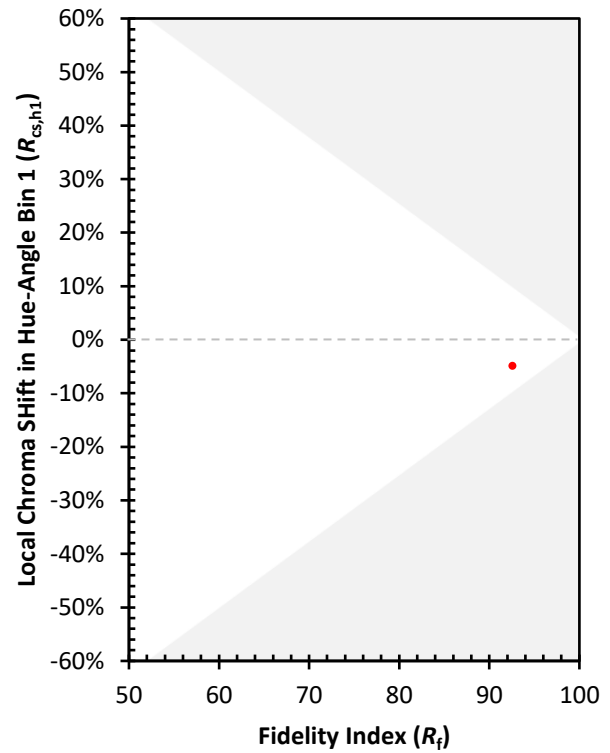
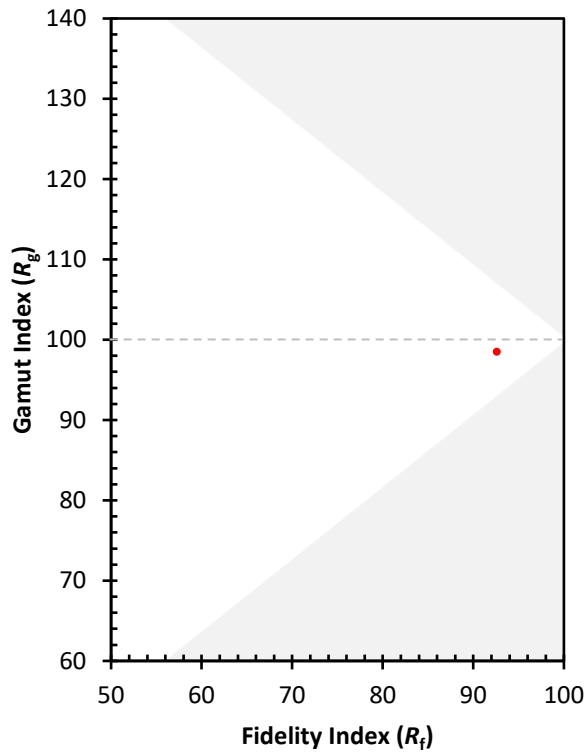
Individual Sample Fidelity Index ($R_{f,i}$)

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)