

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: P1049555

Luminaire Tested: **GALN-SA6C-727-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049555
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-727-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
70CRI 2700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27496.1 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

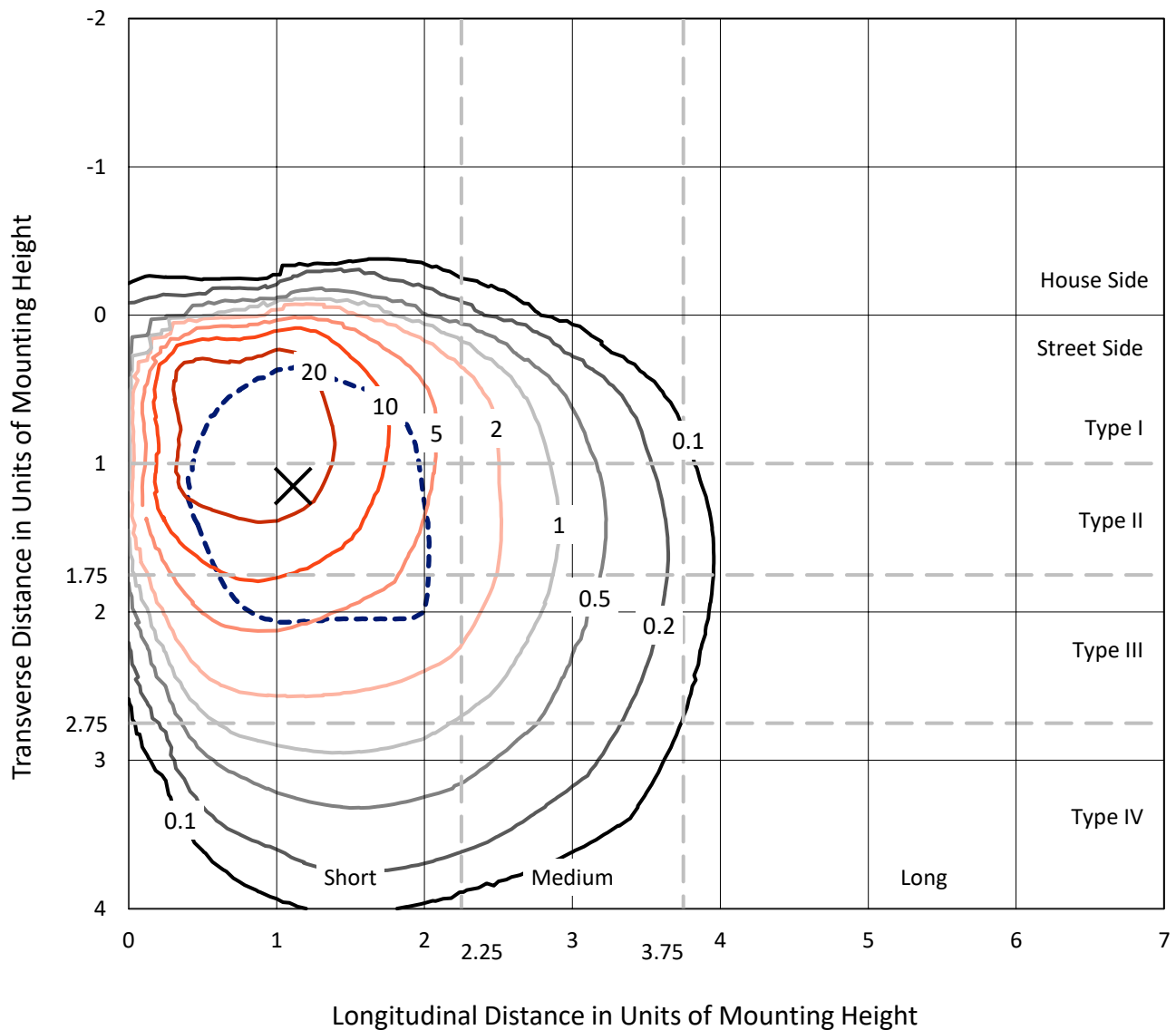
Input Watts (W): 282.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049555

CATALOG NUMBER: GALN-SA6C-727-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

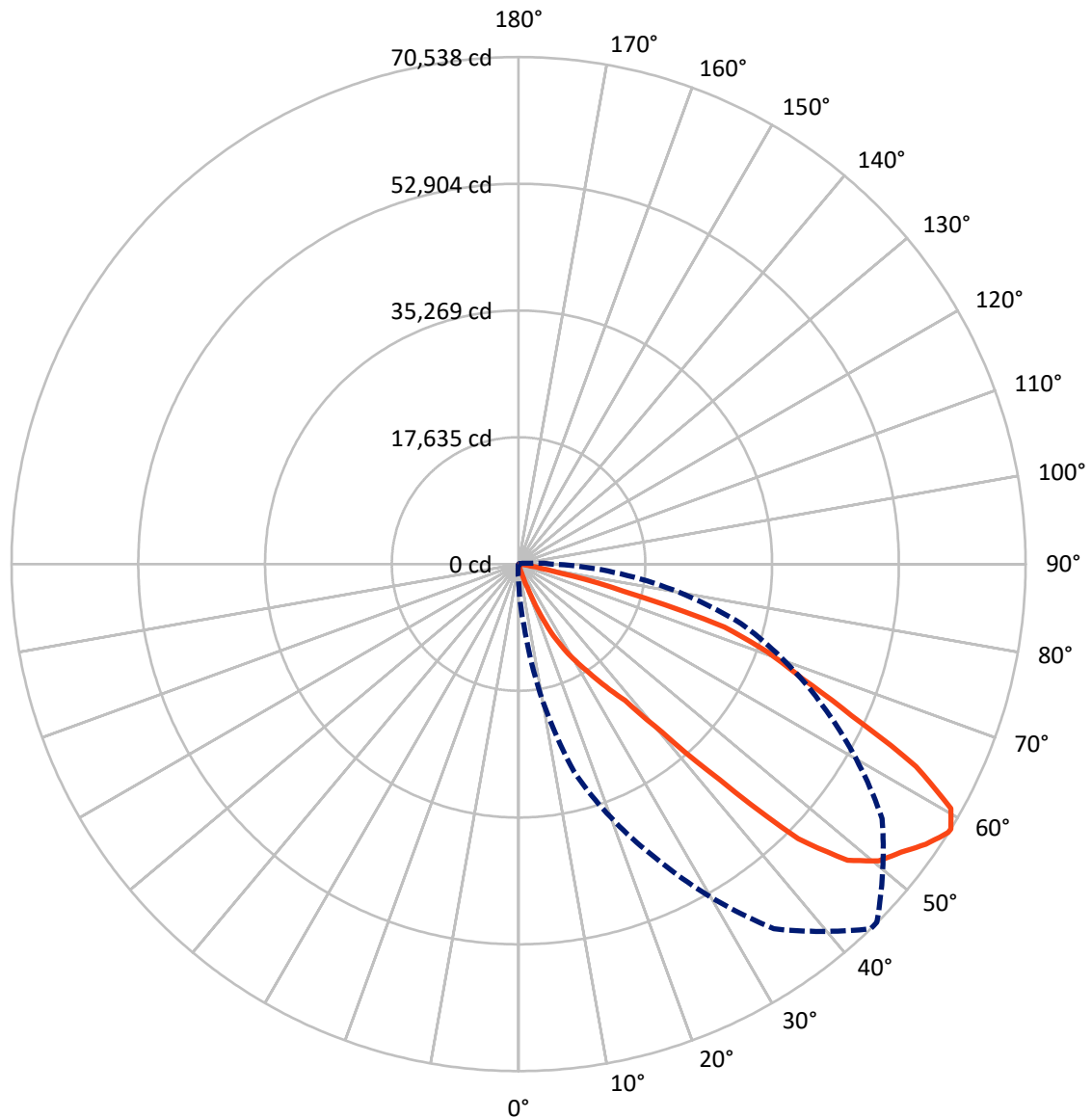
× Max cd
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 47.9 fc
Type III - Short - N/A

REPORT NUMBER: P1049555
CATALOG NUMBER: GALN-SA6C-727-U-LBC

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1049555

CATALOG NUMBER: GALN-SA6C-727-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.7	0.0	187.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	27308.4	0.0	27308.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	27496.1	0.0	27496.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.7	0.0
10°-20°	60.3	0.2
20°-30°	651.4	2.4
30°-40°	1926.4	7.0
40°-50°	5741.6	20.9
50°-60°	9110.6	33.1
60°-70°	7599.3	27.6
70°-80°	2343.8	8.5
80°-90°	52.1	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	27496.1	100.0
0°-180°	27496.1	100.0



REPORT NUMBER: P1049555

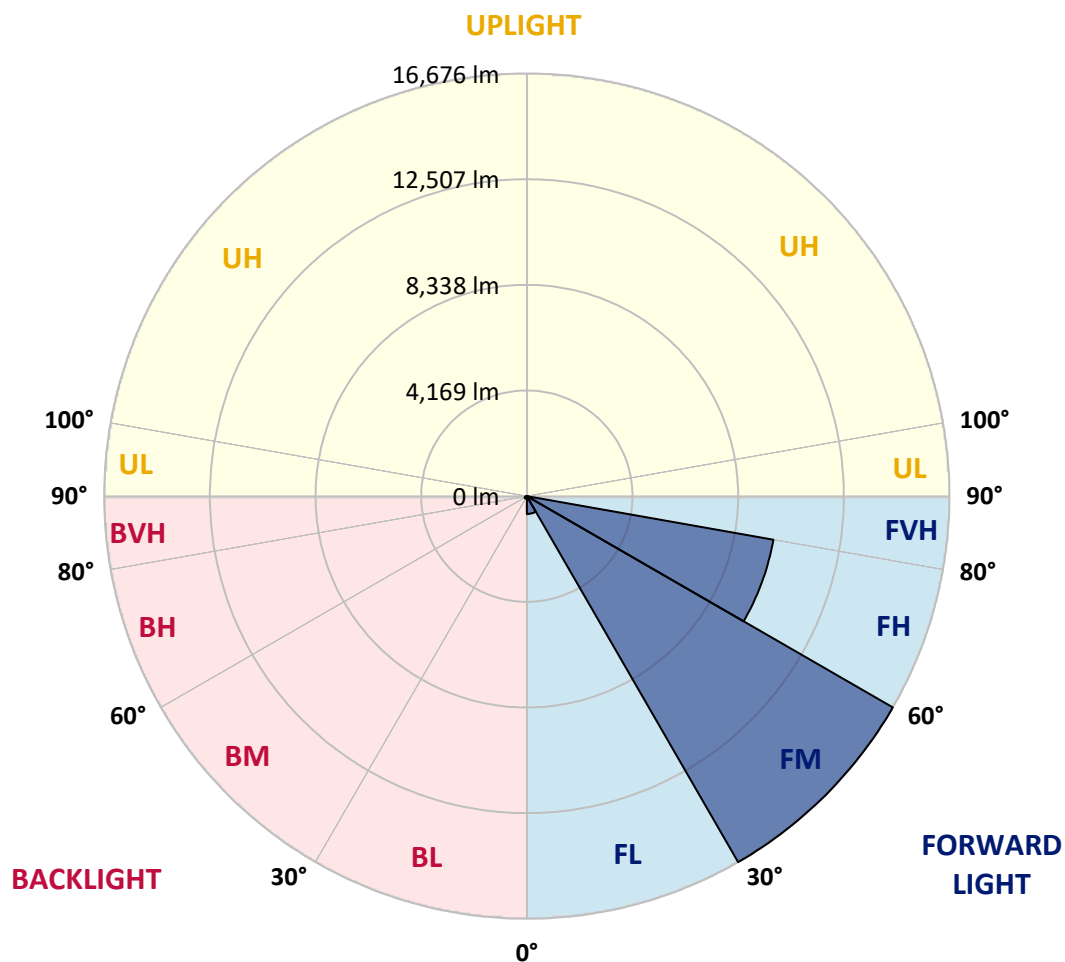
CATALOG NUMBER: GALN-SA6C-727-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	704.1	2.6			
FM	(30°-60°)	16675.8	60.6			
FH	(60°-80°)	9879.0	35.9			G4/12000
FVH	(80°-90°)	49.5	0.2			G1/100
BL	(0°-30°)	18.4	0.1	B0/110		
BM	(30°-60°)	102.8	0.4	B0/220		
BH	(60°-80°)	64.1	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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: P1049555

CATALOG NUMBER: GALN-SA6C-727-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
2.5°	155.8	155.8	149.6	141.2	132.9	124.6	122.5	118.4	116.3	114.2	112.2
5°	162.0	162.0	159.9	153.7	145.4	139.2	139.2	132.9	128.8	124.6	120.5
7.5°	166.2	168.2	172.4	170.3	166.2	159.9	159.9	155.8	149.6	139.2	132.9
10°	172.4	178.6	186.9	191.1	193.2	193.2	191.1	189.0	178.6	164.1	147.5
12.5°	178.6	191.1	211.9	232.6	245.1	261.7	259.6	255.5	228.5	197.3	168.2
15°	191.1	209.8	253.4	313.6	407.1	465.3	488.1	467.3	378.0	265.9	195.2
17.5°	205.6	236.8	367.6	656.4	1075.9	1275.3	1395.8	1298.2	859.9	504.7	245.1
20°	220.2	288.7	683.4	1701.1	2791.6	3443.8	3624.5	3342.1	2145.6	961.7	363.5
22.5°	245.1	405.0	1385.4	3516.5	6015.3	6993.6	7178.5	6274.9	4052.4	1898.5	546.3
25°	297.0	587.8	2388.7	5730.7	8977.2	10628.5	10551.7	9367.7	6574.0	3032.6	830.8
27.5°	371.8	855.8	3612.1	8142.2	11814.5	13270.6	13445.1	11980.7	8763.3	4459.5	1179.8
30°	479.8	1186.0	4924.8	10073.9	14089.0	15663.4	15692.5	14178.3	10722.0	5712.0	1607.7
32.5°	583.7	1497.6	6073.4	11941.2	16330.2	18056.2	18185.0	16321.8	12184.3	7016.4	1979.5
35°	662.6	1701.1	7236.6	13582.2	18590.0	20968.3	20960.0	18747.9	13916.6	8181.7	2494.6
37.5°	668.8	1904.7	8289.7	15260.5	21452.3	24115.1	24378.9	21940.4	16010.3	9623.2	3126.0
40°	654.3	2133.2	9623.2	17877.6	26609.7	30695.4	30928.0	27853.9	20210.2	12090.8	4112.7
42.5°	670.9	2529.9	11787.5	22711.0	35173.6	41041.4	41490.1	38258.1	27930.8	17125.7	5872.0
45°	758.1	3275.6	16321.8	30797.2	47380.7	54534.2	54384.7	49729.9	36914.2	24790.2	9353.2
47.5°	1046.9	5101.4	23043.3	38667.3	55182.3	61552.8	61681.5	55992.4	42156.8	30682.9	14041.2
50°	1609.8	7805.7	28691.0	42827.7	58536.8	64928.1	64807.6	58233.6	44148.8	33584.6	16913.8
52.5°	2093.7	9762.4	31524.1	44287.9	58966.8	66596.0	66587.7	58823.5	44458.2	33833.9	17273.2
55°	2214.2	9909.8	31547.0	44366.8	59930.6	68779.0	69053.2	60275.4	44859.1	32745.5	15921.0
57.5°	2166.4	8773.7	30230.1	44823.8	61646.2	70467.7	70482.2	61681.5	45876.9	32078.7	13681.9
58°	2124.9	8595.0	29964.2	45083.4	61941.2	70538.3	70503.0	61745.9	46705.7	32053.8	13330.8
60°	1892.2	7463.0	28927.8	45746.0	61502.9	69088.5	68758.2	60339.7	46583.1	31798.3	11563.2
62.5°	1487.2	5822.1	27907.9	44979.6	56804.5	62070.0	62207.1	53420.9	42466.3	30309.0	9479.9
65°	1183.9	4339.1	25781.0	39454.5	46776.3	50972.0	51483.0	43440.5	35445.7	25664.6	6989.4
67.5°	943.0	3136.4	21626.8	31412.0	37013.9	42541.1	42912.9	36471.8	27461.3	19663.9	4966.3
70°	766.4	2120.7	14928.1	22972.7	30529.2	36743.9	36766.7	30298.7	20496.8	12884.2	3115.6
72.5°	679.2	1468.5	8665.7	16753.9	24754.9	29941.4	29337.0	24586.6	15752.7	7631.3	1856.9
75°	587.8	974.2	4249.7	10242.2	15009.1	15110.9	15341.5	11405.4	7874.3	3628.7	1113.3
77.5°	484.0	691.7	1674.1	2797.9	4501.1	5761.9	5975.8	4528.1	2619.2	893.2	594.1
80°	332.3	328.2	450.7	857.8	1287.8	1613.9	1505.9	1165.3	685.4	342.7	211.9
82.5°	143.3	155.8	203.6	245.1	199.4	193.2	184.9	118.4	91.4	70.6	43.6
85°	45.7	41.5	43.6	43.6	35.3	27.0	27.0	12.5	0.0	0.0	0.0
87.5°	22.8	18.7	18.7	16.6	10.4	4.2	2.1	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	0.0



REPORT NUMBER: P1049555

CATALOG NUMBER: GALN-SA6C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
2.5°	110.1	110.1	105.9	101.8	99.7	95.5	93.5	91.4	89.3	87.2	85.2
5°	116.3	114.2	108.0	101.8	95.5	89.3	85.2	81.0	76.9	74.8	72.7
7.5°	126.7	122.5	110.1	99.7	91.4	83.1	78.9	72.7	68.5	62.3	60.2
10°	139.2	130.9	114.2	101.8	89.3	78.9	72.7	66.5	60.2	51.9	49.9
12.5°	155.8	141.2	120.5	99.7	85.2	72.7	66.5	58.2	51.9	45.7	41.5
15°	170.3	151.6	122.5	99.7	81.0	66.5	58.2	49.9	43.6	35.3	31.2
17.5°	191.1	159.9	120.5	93.5	74.8	58.2	49.9	43.6	33.2	20.8	16.6
20°	226.4	166.2	116.3	87.2	64.4	47.8	37.4	29.1	14.5	4.2	0.0
22.5°	282.5	182.8	112.2	78.9	56.1	37.4	24.9	10.4	0.0	0.0	0.0
25°	390.5	211.9	112.2	74.8	49.9	27.0	8.3	0.0	0.0	0.0	0.0
27.5°	519.3	251.3	112.2	64.4	39.5	14.5	0.0	0.0	0.0	0.0	0.0
30°	650.1	294.9	112.2	56.1	31.2	2.1	0.0	0.0	0.0	0.0	0.0
32.5°	774.8	332.3	114.2	47.8	20.8	0.0	0.0	0.0	0.0	0.0	0.0
35°	901.5	338.6	112.2	41.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	1063.5	326.1	105.9	37.4	6.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	1308.6	332.3	99.7	35.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	1761.4	359.3	91.4	35.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	3045.0	481.9	83.1	37.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5037.0	866.2	81.0	37.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6428.6	1090.5	85.2	39.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6418.2	1215.1	89.3	41.5	8.3	0.0	0.0	0.0	0.0	0.0	0.0
55°	5705.8	1238.0	95.5	45.7	27.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	4769.0	1129.9	110.1	56.1	49.9	0.0	0.0	0.0	0.0	0.0	0.0
58°	4602.9	1080.1	114.2	58.2	54.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	3772.0	880.7	145.4	72.7	72.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	2604.7	768.5	166.2	93.5	74.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	1842.4	693.8	180.7	99.7	60.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1377.1	639.7	199.4	101.8	31.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1055.2	600.3	245.1	108.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	859.9	554.6	297.0	112.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	712.4	500.6	286.6	122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	473.6	388.4	261.7	122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	166.2	153.7	203.6	108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	24.9	20.8	29.1	37.4	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	0.0



REPORT NUMBER: P1049555

CATALOG NUMBER: GALN-SA6C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
2.5°	85.2	85.2	83.1	85.2	85.2	89.3	99.7	114.2	130.9	137.1	143.3
5°	70.6	68.5	66.5	66.5	66.5	72.7	81.0	97.6	116.3	124.6	128.8
7.5°	58.2	56.1	54.0	51.9	51.9	56.1	66.5	85.2	103.9	112.2	118.4
10°	47.8	43.6	41.5	39.5	39.5	43.6	54.0	72.7	93.5	101.8	110.1
12.5°	39.5	33.2	29.1	27.0	24.9	31.2	41.5	58.2	81.0	91.4	99.7
15°	27.0	20.8	14.5	12.5	10.4	16.6	27.0	45.7	68.5	81.0	89.3
17.5°	14.5	6.2	2.1	0.0	0.0	4.2	12.5	33.2	56.1	66.5	76.9
20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	41.5	51.9	62.3
22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	24.9	35.3	45.7
25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	18.7	27.0
27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	12.5
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	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	12.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	16.6	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1049555

CATALOG NUMBER: GALN-SA6C-727-U-LBC

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
0°	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5	120.5
2.5°	147.5	145.4	141.2	137.1	137.1	137.1	143.3	149.6	155.8	155.8
5°	137.1	137.1	135.0	130.9	130.9	132.9	141.2	151.6	159.9	162.0
7.5°	126.7	130.9	126.7	124.6	126.7	128.8	137.1	149.6	162.0	166.2
10°	120.5	122.5	122.5	120.5	120.5	124.6	132.9	149.6	166.2	172.4
12.5°	112.2	116.3	114.2	114.2	114.2	118.4	128.8	147.5	170.3	178.6
15°	103.9	110.1	110.1	108.0	108.0	110.1	124.6	145.4	176.6	191.1
17.5°	95.5	101.8	103.9	99.7	99.7	103.9	118.4	145.4	180.7	205.6
20°	78.9	89.3	95.5	89.3	89.3	93.5	108.0	137.1	182.8	220.2
22.5°	62.3	72.7	81.0	78.9	78.9	81.0	99.7	130.9	184.9	245.1
25°	45.7	56.1	62.3	66.5	66.5	72.7	91.4	126.7	193.2	297.0
27.5°	27.0	39.5	47.8	51.9	54.0	62.3	85.2	122.5	207.7	371.8
30°	12.5	22.8	33.2	41.5	41.5	56.1	78.9	118.4	226.4	479.8
32.5°	0.0	10.4	16.6	29.1	31.2	45.7	72.7	114.2	253.4	583.7
35°	0.0	0.0	8.3	22.8	22.8	37.4	66.5	110.1	294.9	662.6
37.5°	0.0	0.0	0.0	16.6	18.7	33.2	64.4	108.0	303.3	668.8
40°	0.0	0.0	0.0	12.5	14.5	31.2	64.4	110.1	274.2	654.3
42.5°	0.0	0.0	0.0	8.3	10.4	31.2	64.4	114.2	247.2	670.9
45°	0.0	0.0	0.0	6.2	8.3	33.2	62.3	112.2	232.6	758.1
47.5°	0.0	0.0	0.0	8.3	12.5	33.2	60.2	110.1	234.7	1046.9
50°	0.0	0.0	0.0	10.4	14.5	33.2	62.3	105.9	257.6	1609.8
52.5°	0.0	0.0	0.0	8.3	12.5	37.4	68.5	103.9	280.4	2093.7
55°	0.0	0.0	0.0	2.1	6.2	47.8	74.8	103.9	315.7	2214.2
57.5°	0.0	0.0	0.0	0.0	0.0	54.0	85.2	110.1	373.9	2166.4
58°	0.0	0.0	0.0	0.0	0.0	54.0	87.2	110.1	378.0	2124.9
60°	0.0	0.0	0.0	0.0	0.0	54.0	95.5	122.5	407.1	1892.2
62.5°	0.0	0.0	0.0	0.0	0.0	45.7	114.2	153.7	423.7	1487.2
65°	0.0	0.0	0.0	0.0	0.0	37.4	135.0	168.2	436.2	1183.9
67.5°	0.0	0.0	0.0	0.0	0.0	35.3	139.2	170.3	442.4	943.0
70°	0.0	0.0	0.0	0.0	0.0	37.4	137.1	182.8	463.2	766.4
72.5°	0.0	0.0	0.0	0.0	0.0	41.5	124.6	201.5	463.2	679.2
75°	0.0	0.0	0.0	0.0	0.0	43.6	116.3	226.4	421.7	587.8
77.5°	0.0	0.0	0.0	0.0	0.0	41.5	114.2	263.8	376.0	484.0
80°	4.2	6.2	6.2	4.2	4.2	35.3	112.2	267.9	319.9	332.3
82.5°	12.5	16.6	14.5	10.4	10.4	31.2	99.7	224.3	166.2	143.3
85°	22.8	27.0	27.0	22.8	22.8	29.1	62.3	81.0	56.1	45.7
87.5°	31.2	35.3	35.3	31.2	31.2	29.1	27.0	24.9	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

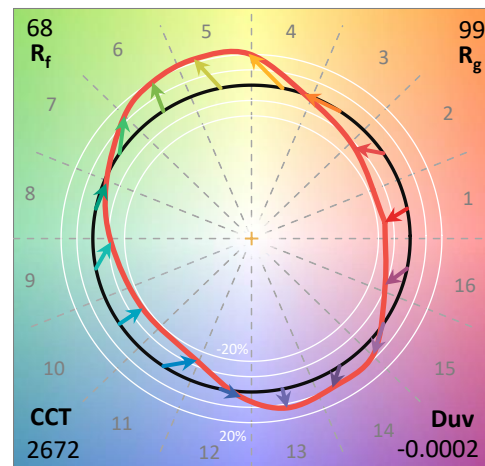
Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

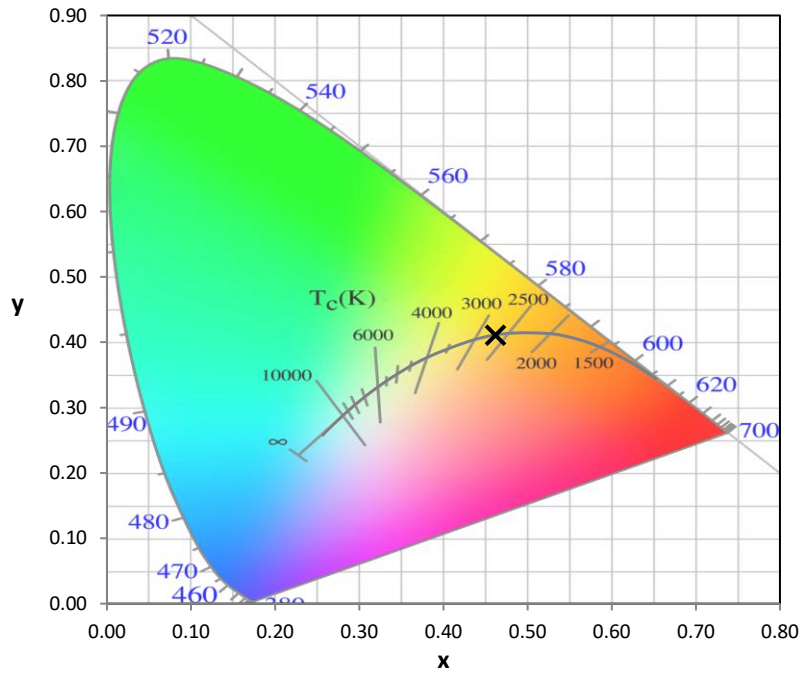
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

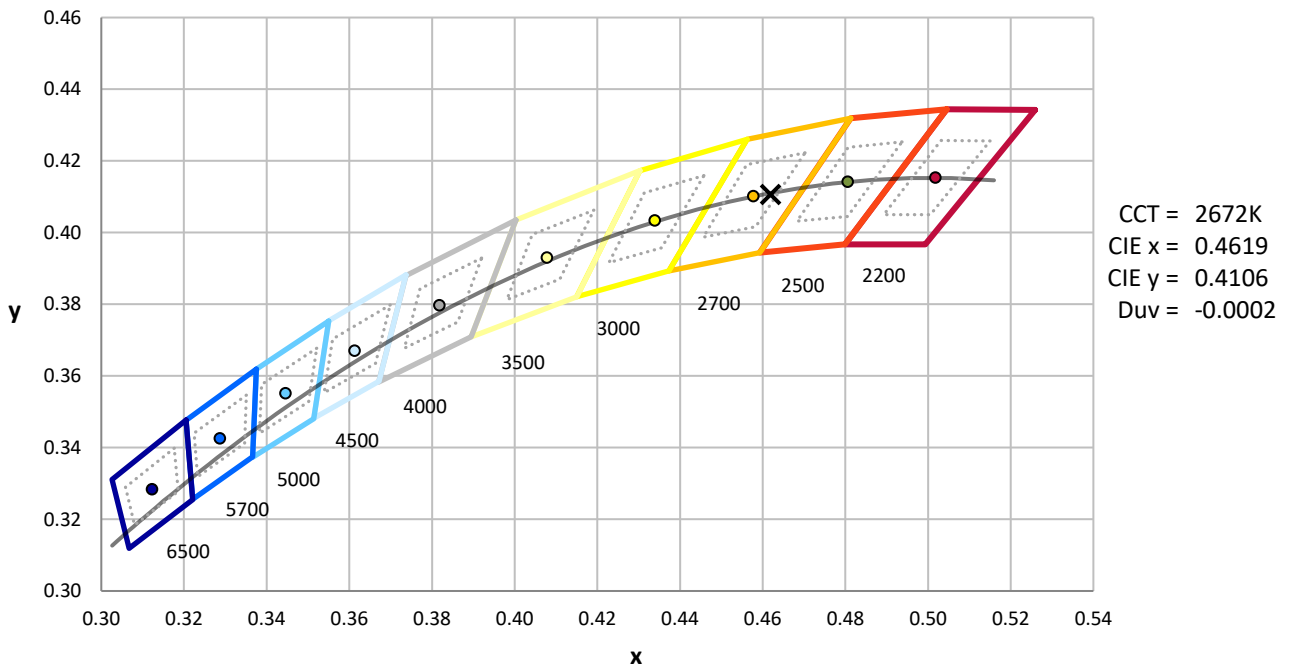
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-3

CIE 1931 Chromaticity Diagram



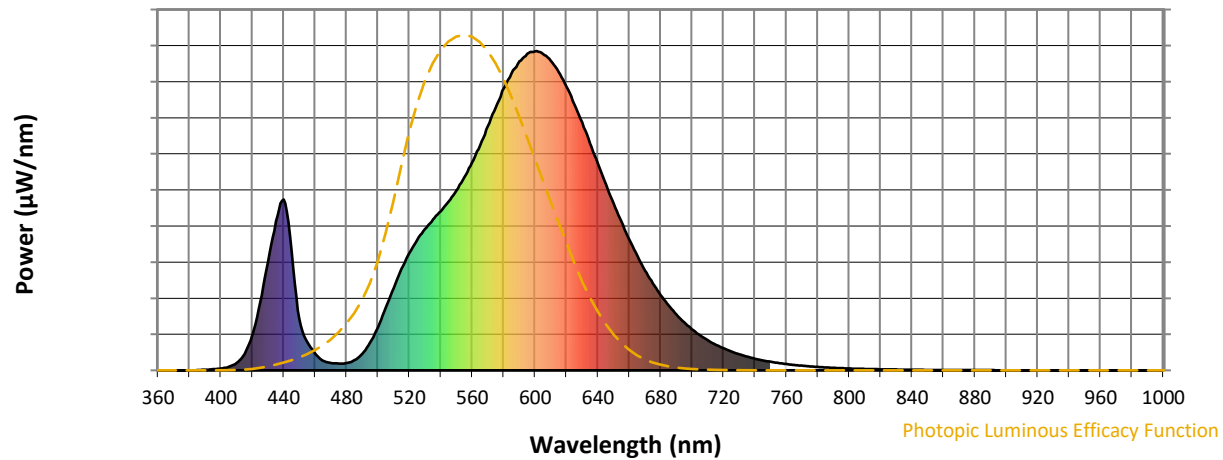
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-3

Photopic Flux vs. Wavelength

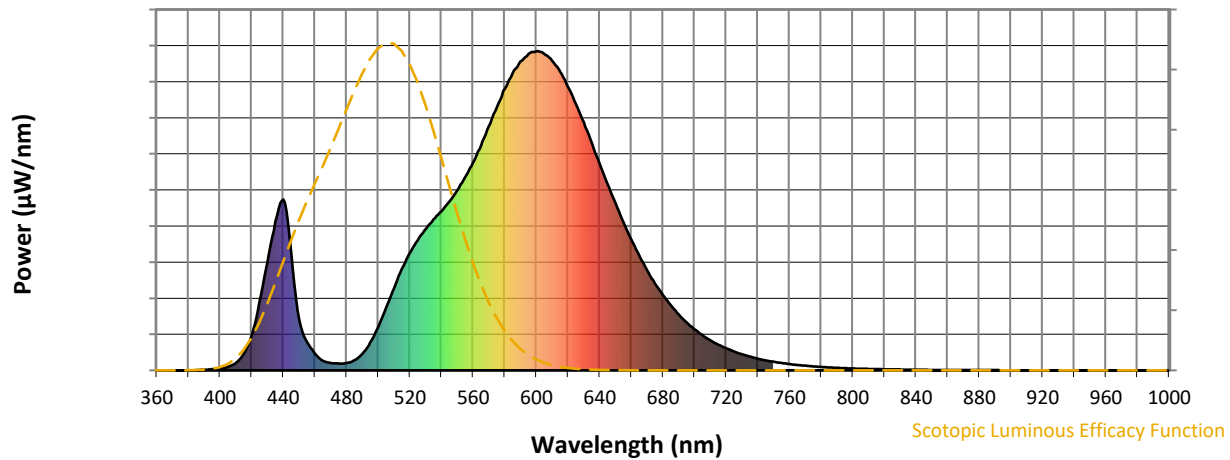


Photopic Lumens: NR

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



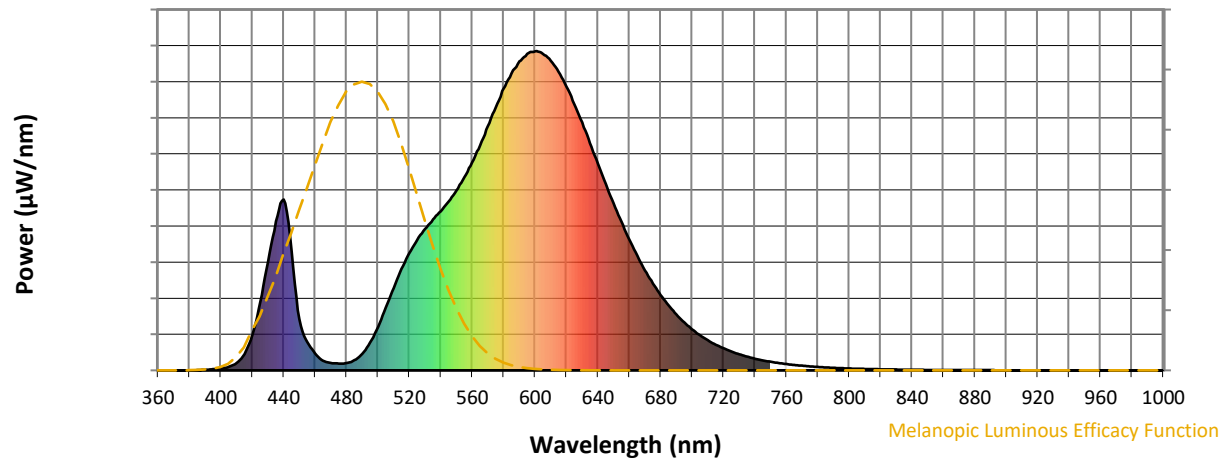
Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

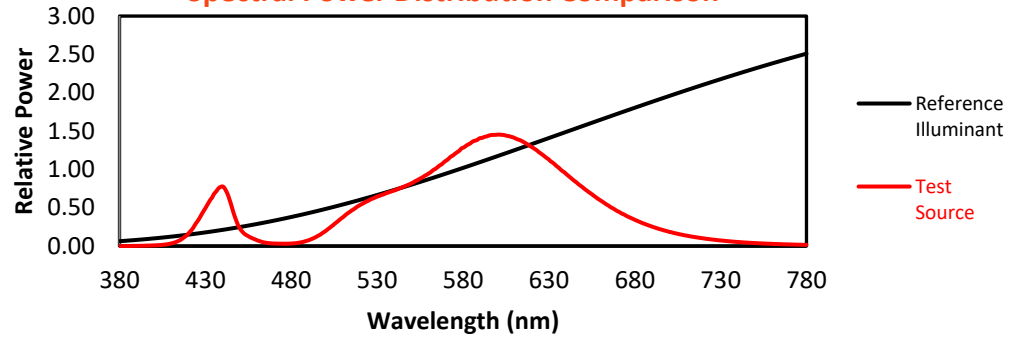
REPORT NUMBER: SP1-2407-184-3

TM-30-18

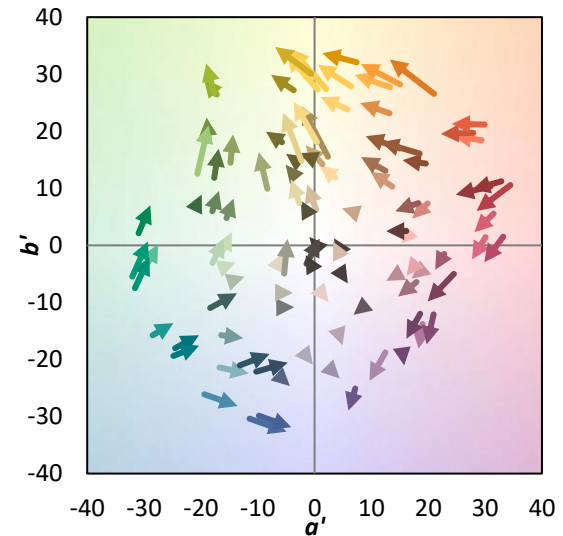
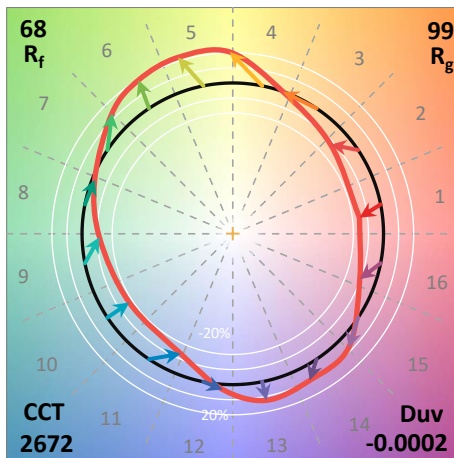
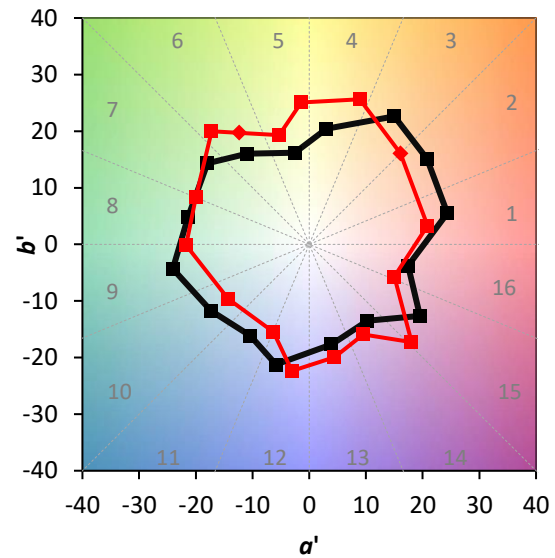
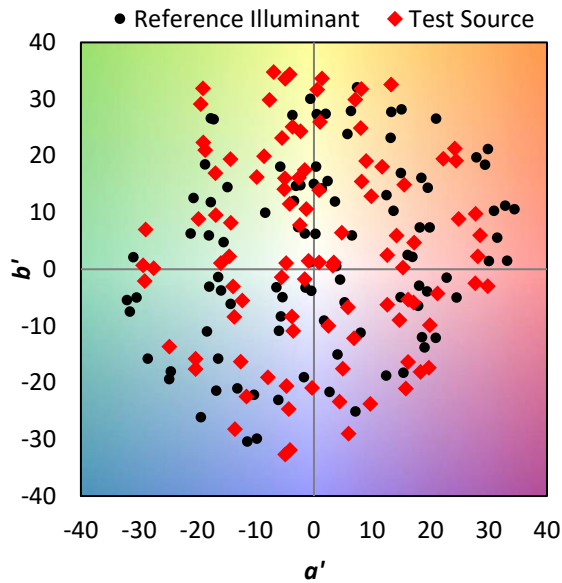
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE\ R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison

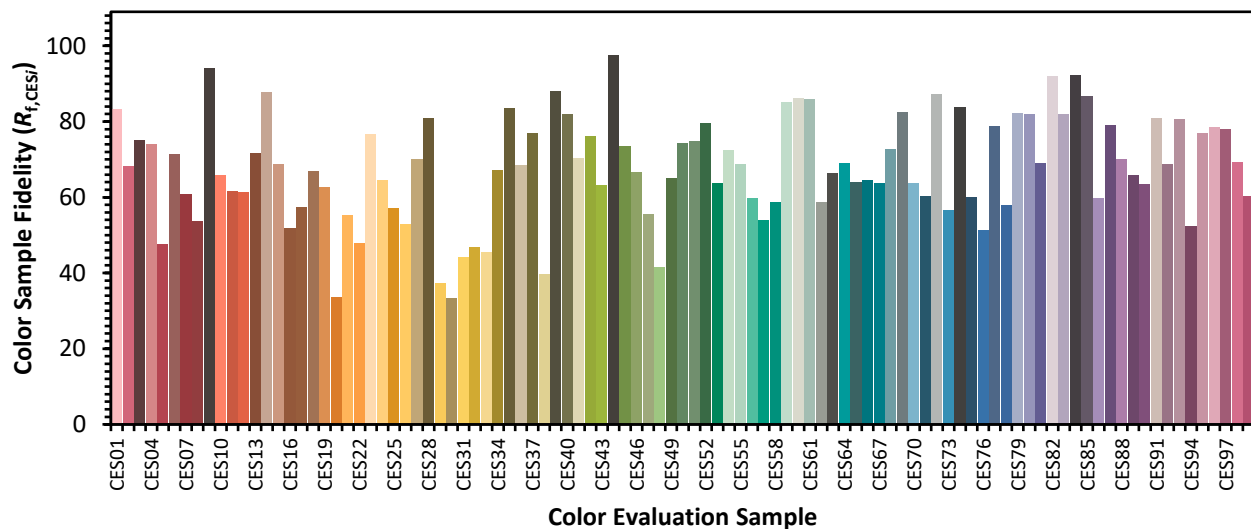


Color Vector Graphics

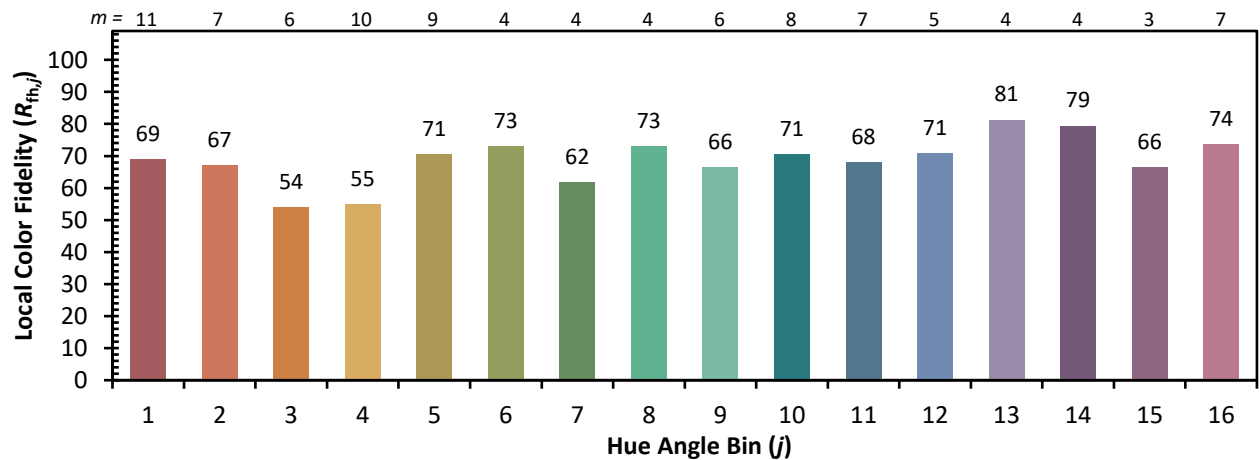
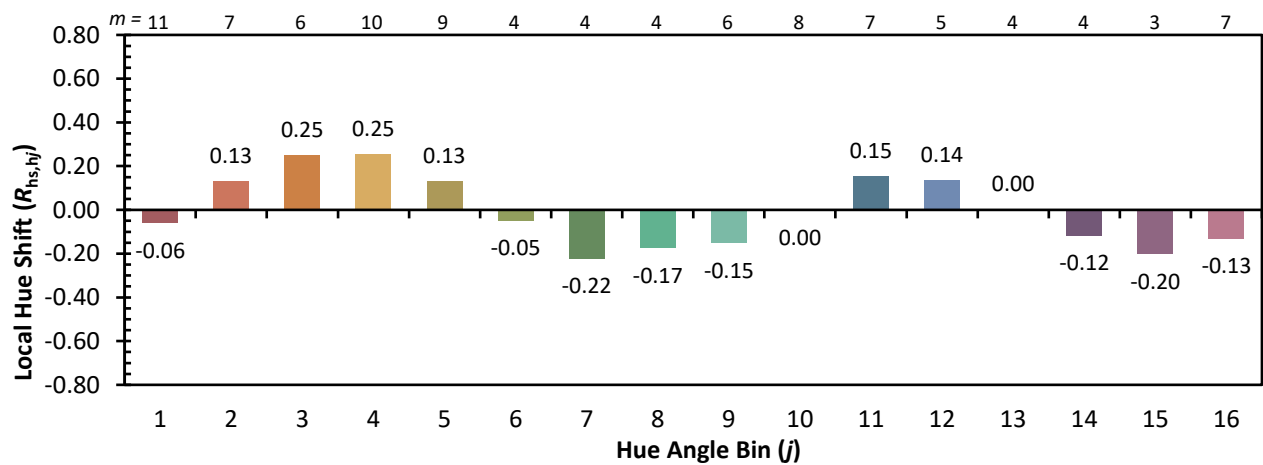
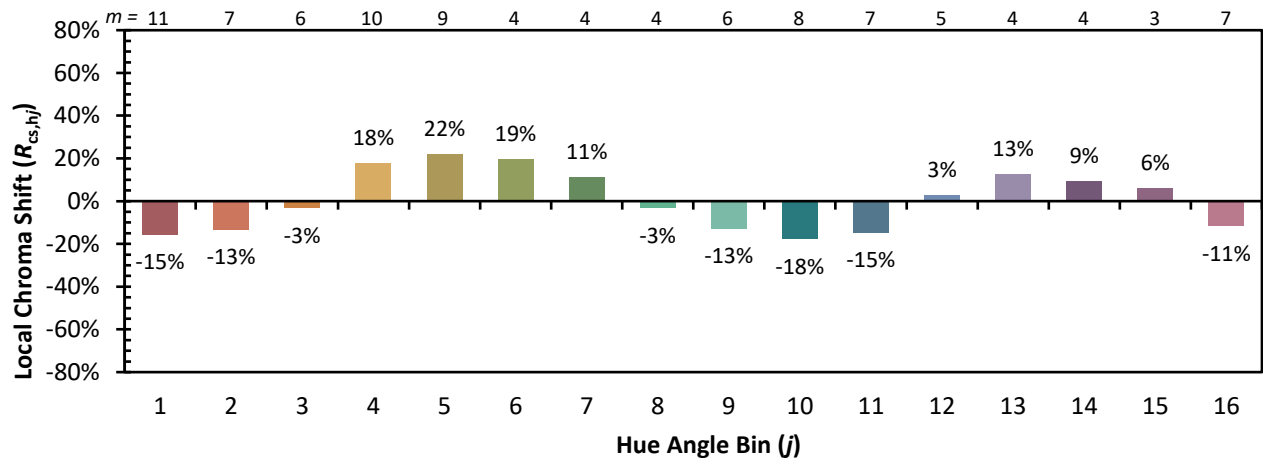


Individual Sample Fidelity Index ($R_{f,i}$)

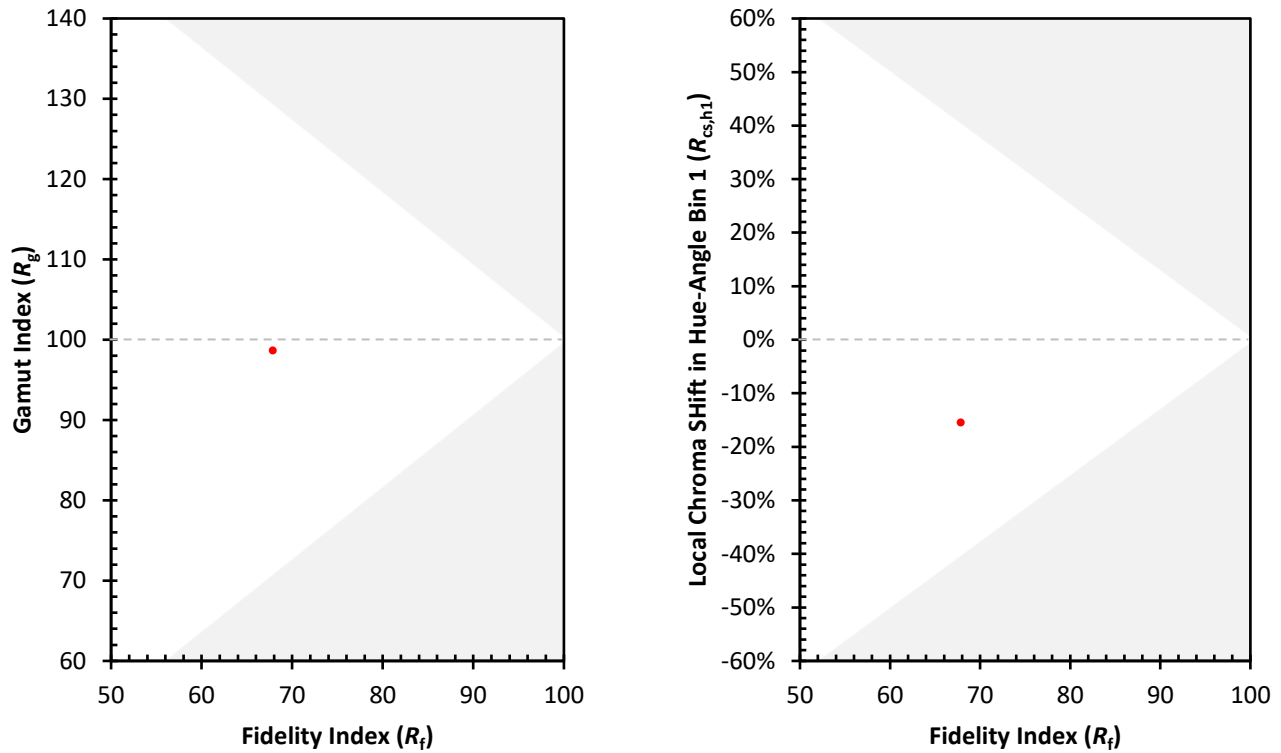
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)