

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: P1049918

Luminaire Tested: **GALN-SA7B-927-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049918
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-927-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 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: 17799.5 lumens
Efficiency: N/A
Efficacy: 71.3 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

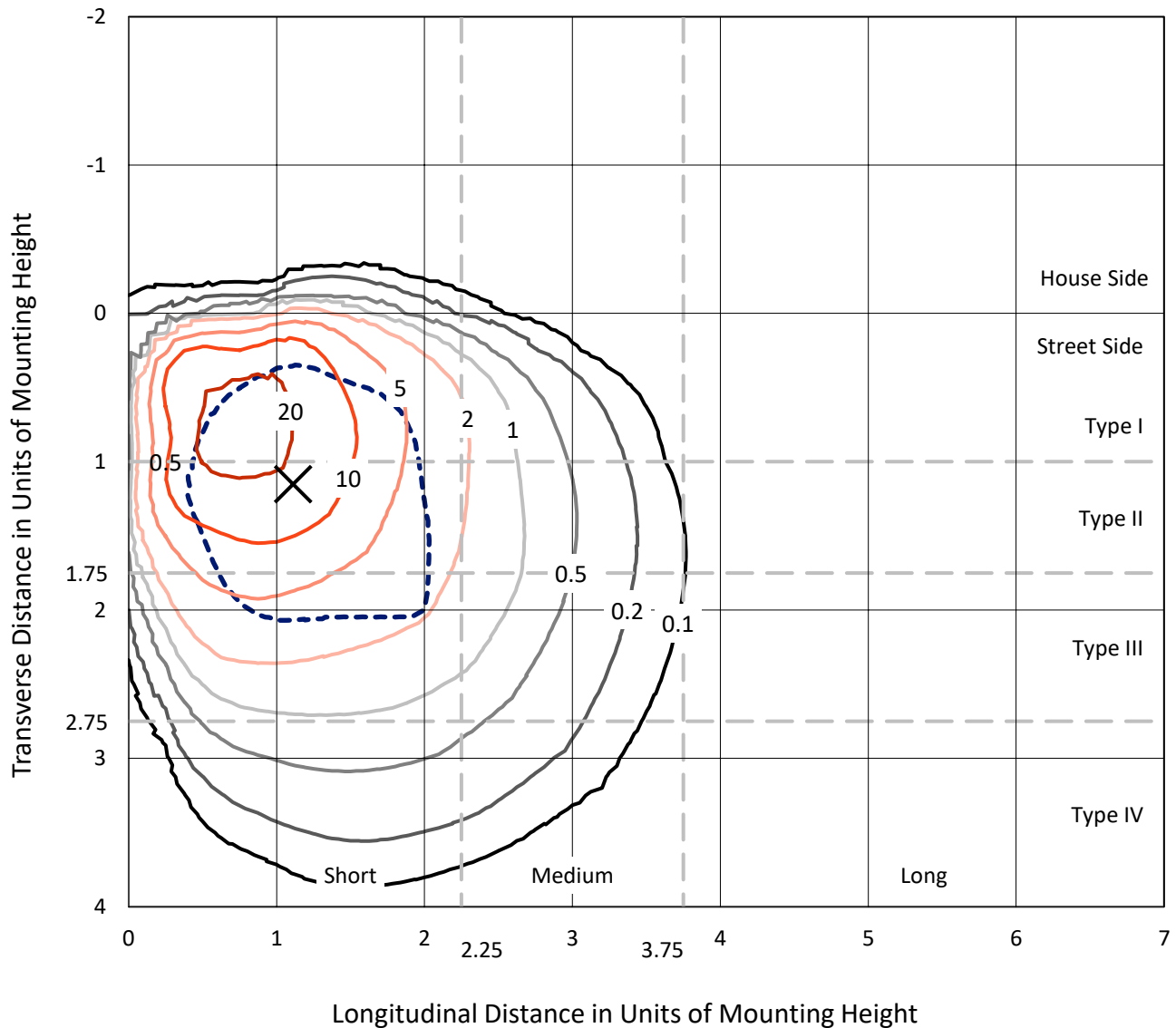
Input Watts (W): 249.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

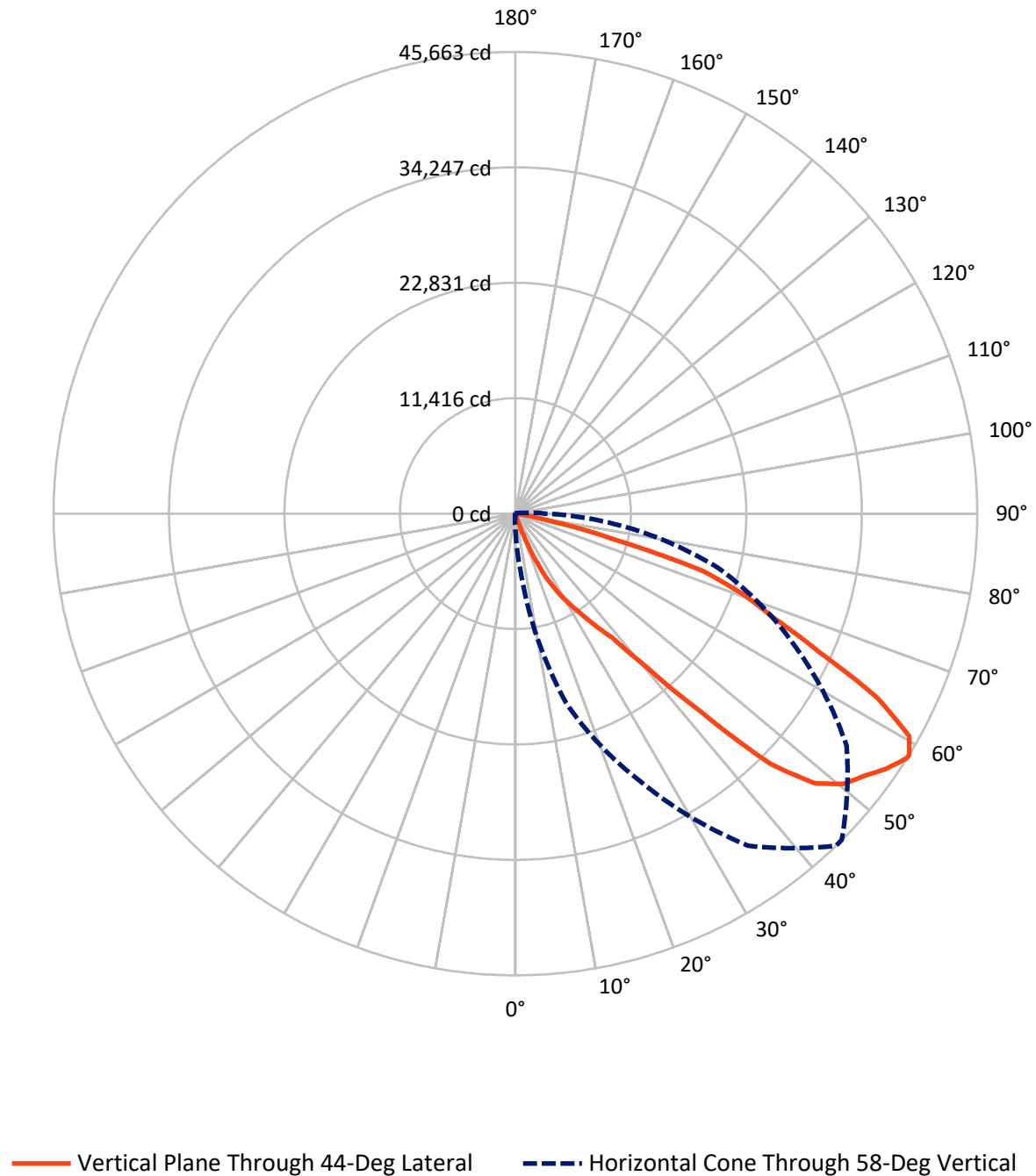
× Max cd
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 31 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	121.5	0.0	121.5
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	17677.9	0.0	17677.9
	% Fixture	99.3	0.0	99.3
Total	Lumens	17799.5	0.0	17799.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.0
10°-20°	39.0	0.2
20°-30°	421.7	2.4
30°-40°	1247.0	7.0
40°-50°	3716.8	20.9
50°-60°	5897.7	33.1
60°-70°	4919.4	27.6
70°-80°	1517.2	8.5
80°-90°	33.7	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°	17799.5	100.0
0°-180°	17799.5	100.0

Coefficient of Utilization



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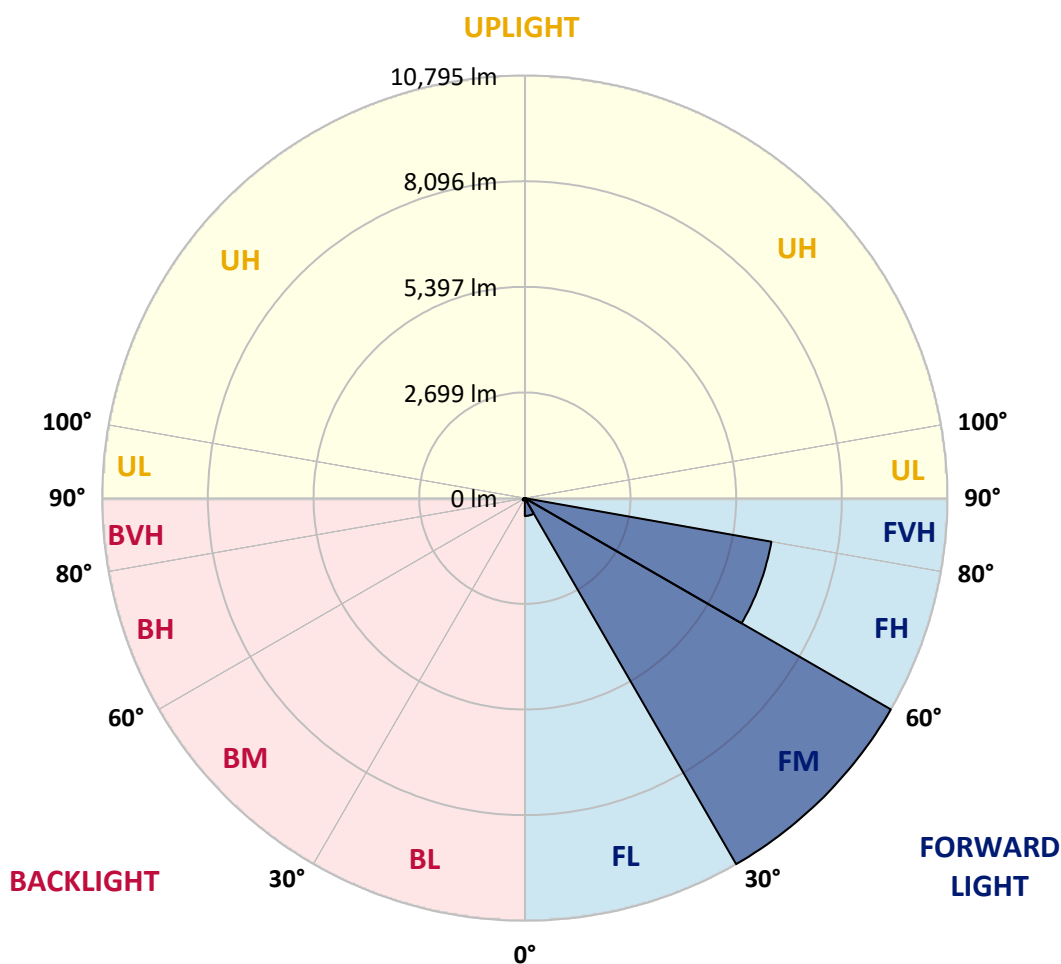
CATALOG NUMBER: GALN-SA7B-927-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.8	2.6			
FM	(30°-60°)	10795.0	60.6			
FH	(60°-80°)	6395.1	35.9			G3/7500
FVH	(80°-90°)	32.1	0.2			G1/100
BL	(0°-30°)	11.9	0.1	B0/110		
BM	(30°-60°)	66.5	0.4	B0/220		
BH	(60°-80°)	41.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	100.8	100.8	96.8	91.4	86.1	80.7	79.3	76.6	75.3	74.0
5°	104.9	104.9	103.5	99.5	94.1	90.1	90.1	86.1	83.4	80.7
7.5°	107.6	108.9	111.6	110.3	107.6	103.5	103.5	100.8	96.8	90.1
10°	111.6	115.6	121.0	123.7	125.0	125.0	123.7	122.4	115.6	106.2
12.5°	115.6	123.7	137.1	150.6	158.7	169.4	168.1	165.4	147.9	127.7
15°	123.7	135.8	164.0	203.0	263.5	301.2	316.0	302.5	244.7	172.1
17.5°	133.1	153.3	238.0	424.9	696.5	825.6	903.6	840.4	556.7	326.7
20°	142.5	186.9	442.4	1101.2	1807.1	2229.3	2346.3	2163.5	1389.0	622.5
22.5°	158.7	262.2	896.8	2276.4	3894.0	4527.3	4646.9	4062.0	2623.3	1229.0
25°	192.3	380.5	1546.3	3709.7	5811.4	6880.3	6830.6	6064.1	4255.7	1963.1
27.5°	240.7	554.0	2338.3	5270.8	7648.1	8590.6	8703.6	7755.6	5672.9	2886.9
30°	310.6	767.8	3188.0	6521.3	9120.4	10139.6	10158.4	9178.2	6940.8	3697.6
32.5°	377.8	969.5	3931.6	7730.1	10571.2	11688.6	11772.0	10565.8	7887.4	4542.1
35°	428.9	1101.2	4684.6	8792.3	12034.1	13573.7	13568.3	12136.3	9008.8	5296.4
37.5°	433.0	1233.0	5366.3	9878.8	13887.0	15610.8	15781.5	14203.0	10364.2	6229.5
40°	423.5	1380.9	6229.5	11573.0	17225.6	19870.5	20021.1	18031.1	13082.9	7826.9
42.5°	434.3	1637.7	7630.6	14701.8	22769.4	26567.9	26858.3	24766.1	18080.8	11086.2
45°	490.8	2120.4	10565.8	19936.4	30671.6	35302.4	35205.6	32192.4	23896.2	16047.8
47.5°	677.7	3302.3	14917.0	25031.0	35721.9	39845.8	39929.2	36246.3	27290.0	19862.4
50°	1042.1	5053.0	18572.9	27724.3	37893.5	42030.8	41952.8	37697.1	28579.4	21740.8
52.5°	1355.4	6319.6	20407.0	28669.5	38171.8	43110.5	43105.1	38079.0	28779.8	21902.2
55°	1433.3	6415.1	20421.8	28720.6	38795.7	44523.7	44701.2	39018.9	29039.3	21197.6
57.5°	1402.4	5679.6	19569.3	29016.4	39906.3	45616.8	45626.2	39929.2	29698.1	20766.0
58°	1375.5	5563.9	19397.2	29184.5	40097.2	45662.5	45639.7	39970.9	30234.6	20749.8
60°	1224.9	4831.1	18726.2	29613.4	39813.5	44724.0	44510.2	39060.6	30155.3	20584.4
62.5°	962.7	3768.9	18066.0	29117.3	36772.1	40180.6	40269.4	34581.7	27490.3	19620.4
65°	766.4	2808.9	16689.1	25540.6	30280.3	32996.4	33327.2	28120.9	22945.6	16613.8
67.5°	610.4	2030.3	14000.0	20334.4	23960.7	27538.7	27779.4	23609.8	17776.9	12729.3
70°	496.2	1372.8	9663.6	14871.3	19762.9	23785.9	23800.7	19613.6	13268.5	8340.5
72.5°	439.7	950.6	5609.7	10845.5	16024.9	19382.4	18991.1	15916.0	10197.4	4940.1
75°	380.5	630.6	2751.0	6630.2	9716.1	9781.9	9931.2	7383.2	5097.4	2349.0
77.5°	313.3	447.8	1083.7	1811.2	2913.7	3729.9	3868.4	2931.2	1695.5	578.2
80°	215.1	212.4	291.8	555.3	833.7	1044.8	974.8	754.3	443.7	221.9
82.5°	92.8	100.8	131.8	158.7	129.1	125.0	119.7	76.6	59.2	45.7
85°	29.6	26.9	28.2	28.2	22.9	17.5	17.5	8.1	0.0	0.0
87.5°	14.8	12.1	12.1	10.8	6.7	2.7	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
78.0	0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
72.6	2.5°	71.3	71.3	68.6	65.9	64.5	61.9	60.5	59.2	57.8	56.5
78.0	5°	75.3	74.0	69.9	65.9	61.9	57.8	55.1	52.4	49.8	48.4
86.1	7.5°	82.0	79.3	71.3	64.5	59.2	53.8	51.1	47.1	44.4	40.3
95.5	10°	90.1	84.7	74.0	65.9	57.8	51.1	47.1	43.0	39.0	33.6
108.9	12.5°	100.8	91.4	78.0	64.5	55.1	47.1	43.0	37.6	33.6	29.6
126.4	15°	110.3	98.2	79.3	64.5	52.4	43.0	37.6	32.3	28.2	22.9
158.7	17.5°	123.7	103.5	78.0	60.5	48.4	37.6	32.3	28.2	21.5	13.4
235.3	20°	146.6	107.6	75.3	56.5	41.7	30.9	24.2	18.8	9.4	2.7
353.6	22.5°	182.9	118.3	72.6	51.1	36.3	24.2	16.1	6.7	0.0	0.0
537.8	25°	252.8	137.1	72.6	48.4	32.3	17.5	5.4	0.0	0.0	0.0
763.7	27.5°	336.1	162.7	72.6	41.7	25.5	9.4	0.0	0.0	0.0	0.0
1040.7	30°	420.9	190.9	72.6	36.3	20.2	1.3	0.0	0.0	0.0	0.0
1281.4	32.5°	501.5	215.1	74.0	30.9	13.4	0.0	0.0	0.0	0.0	0.0
1614.9	35°	583.6	219.2	72.6	26.9	8.1	0.0	0.0	0.0	0.0	0.0
2023.6	37.5°	688.4	211.1	68.6	24.2	4.0	0.0	0.0	0.0	0.0	0.0
2662.3	40°	847.1	215.1	64.5	22.9	1.3	0.0	0.0	0.0	0.0	0.0
3801.2	42.5°	1140.2	232.6	59.2	22.9	0.0	0.0	0.0	0.0	0.0	0.0
6054.7	45°	1971.2	311.9	53.8	24.2	0.0	0.0	0.0	0.0	0.0	0.0
9089.5	47.5°	3260.6	560.7	52.4	24.2	0.0	0.0	0.0	0.0	0.0	0.0
10949.1	50°	4161.5	705.9	55.1	25.5	0.0	0.0	0.0	0.0	0.0	0.0
11181.7	52.5°	4154.8	786.6	57.8	26.9	5.4	0.0	0.0	0.0	0.0	0.0
10306.3	55°	3693.6	801.4	61.9	29.6	17.5	0.0	0.0	0.0	0.0	0.0
8856.9	57.5°	3087.2	731.5	71.3	36.3	32.3	0.0	0.0	0.0	0.0	0.0
8629.6	58°	2979.6	699.2	74.0	37.6	35.0	0.0	0.0	0.0	0.0	0.0
7485.4	60°	2441.8	570.1	94.1	47.1	47.1	0.0	0.0	0.0	0.0	0.0
6136.7	62.5°	1686.1	497.5	107.6	60.5	48.4	0.0	0.0	0.0	0.0	0.0
4524.6	65°	1192.7	449.1	117.0	64.5	39.0	0.0	0.0	0.0	0.0	0.0
3214.9	67.5°	891.5	414.1	129.1	65.9	20.2	0.0	0.0	0.0	0.0	0.0
2016.9	70°	683.1	388.6	158.7	69.9	5.4	0.0	0.0	0.0	0.0	0.0
1202.1	72.5°	556.7	359.0	192.3	72.6	0.0	0.0	0.0	0.0	0.0	0.0
720.7	75°	461.2	324.0	185.6	79.3	0.0	0.0	0.0	0.0	0.0	0.0
384.6	77.5°	306.6	251.4	169.4	79.3	0.0	0.0	0.0	0.0	0.0	0.0
137.1	80°	107.6	99.5	131.8	69.9	0.0	0.0	0.0	0.0	0.0	0.0
28.2	82.5°	16.1	13.4	18.8	24.2	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
78.0	0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
55.1	2.5°	55.1	55.1	53.8	55.1	55.1	57.8	64.5	74.0	84.7	88.7
47.1	5°	45.7	44.4	43.0	43.0	43.0	47.1	52.4	63.2	75.3	80.7
39.0	7.5°	37.6	36.3	35.0	33.6	33.6	36.3	43.0	55.1	67.2	72.6
32.3	10°	30.9	28.2	26.9	25.5	25.5	28.2	35.0	47.1	60.5	65.9
26.9	12.5°	25.5	21.5	18.8	17.5	16.1	20.2	26.9	37.6	52.4	59.2
20.2	15°	17.5	13.4	9.4	8.1	6.7	10.8	17.5	29.6	44.4	52.4
10.8	17.5°	9.4	4.0	1.3	0.0	0.0	2.7	8.1	21.5	36.3	43.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	26.9	33.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	16.1	22.9
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	12.1
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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	4.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	10.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
78.0	0°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
92.8	2.5°	95.5	94.1	91.4	88.7	88.7	88.7	92.8	96.8	100.8	100.8
83.4	5°	88.7	88.7	87.4	84.7	84.7	86.1	91.4	98.2	103.5	104.9
76.6	7.5°	82.0	84.7	82.0	80.7	82.0	83.4	88.7	96.8	104.9	107.6
71.3	10°	78.0	79.3	79.3	78.0	78.0	80.7	86.1	96.8	107.6	111.6
64.5	12.5°	72.6	75.3	74.0	74.0	74.0	76.6	83.4	95.5	110.3	115.6
57.8	15°	67.2	71.3	71.3	69.9	69.9	71.3	80.7	94.1	114.3	123.7
49.8	17.5°	61.9	65.9	67.2	64.5	64.5	67.2	76.6	94.1	117.0	133.1
40.3	20°	51.1	57.8	61.9	57.8	57.8	60.5	69.9	88.7	118.3	142.5
29.6	22.5°	40.3	47.1	52.4	51.1	51.1	52.4	64.5	84.7	119.7	158.7
17.5	25°	29.6	36.3	40.3	43.0	43.0	47.1	59.2	82.0	125.0	192.3
8.1	27.5°	17.5	25.5	30.9	33.6	35.0	40.3	55.1	79.3	134.5	240.7
0.0	30°	8.1	14.8	21.5	26.9	26.9	36.3	51.1	76.6	146.6	310.6
0.0	32.5°	0.0	6.7	10.8	18.8	20.2	29.6	47.1	74.0	164.0	377.8
0.0	35°	0.0	0.0	5.4	14.8	14.8	24.2	43.0	71.3	190.9	428.9
0.0	37.5°	0.0	0.0	0.0	10.8	12.1	21.5	41.7	69.9	196.3	433.0
0.0	40°	0.0	0.0	0.0	8.1	9.4	20.2	41.7	71.3	177.5	423.5
0.0	42.5°	0.0	0.0	0.0	5.4	6.7	20.2	41.7	74.0	160.0	434.3
0.0	45°	0.0	0.0	0.0	4.0	5.4	21.5	40.3	72.6	150.6	490.8
0.0	47.5°	0.0	0.0	0.0	5.4	8.1	21.5	39.0	71.3	151.9	677.7
0.0	50°	0.0	0.0	0.0	6.7	9.4	21.5	40.3	68.6	166.7	1042.1
0.0	52.5°	0.0	0.0	0.0	5.4	8.1	24.2	44.4	67.2	181.5	1355.4
0.0	55°	0.0	0.0	0.0	1.3	4.0	30.9	48.4	67.2	204.4	1433.3
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	35.0	55.1	71.3	242.0	1402.4
0.0	58°	0.0	0.0	0.0	0.0	0.0	35.0	56.5	71.3	244.7	1375.5
0.0	60°	0.0	0.0	0.0	0.0	0.0	35.0	61.9	79.3	263.5	1224.9
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	29.6	74.0	99.5	274.3	962.7
0.0	65°	0.0	0.0	0.0	0.0	0.0	24.2	87.4	108.9	282.4	766.4
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	22.9	90.1	110.3	286.4	610.4
0.0	70°	0.0	0.0	0.0	0.0	0.0	24.2	88.7	118.3	299.8	496.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	26.9	80.7	130.4	299.8	439.7
0.0	75°	0.0	0.0	0.0	0.0	0.0	28.2	75.3	146.6	273.0	380.5
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	26.9	74.0	170.8	243.4	313.3
0.0	80°	2.7	4.0	4.0	2.7	2.7	22.9	72.6	173.5	207.1	215.1
1.3	82.5°	8.1	10.8	9.4	6.7	6.7	20.2	64.5	145.2	107.6	92.8
8.1	85°	14.8	17.5	17.5	14.8	14.8	18.8	40.3	52.4	36.3	29.6
14.8	87.5°	20.2	22.9	22.9	20.2	20.2	18.8	17.5	16.1	14.8	14.8
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: SP1-2407-184-13

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

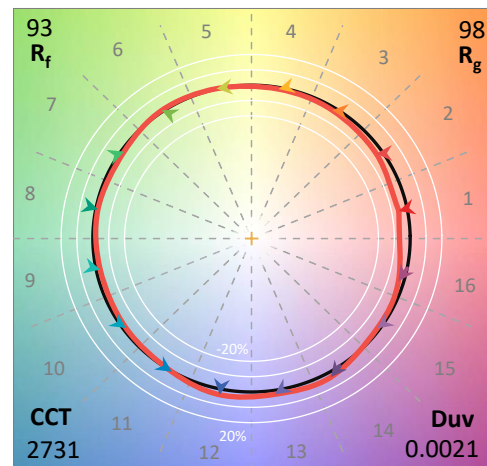
Test Information

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

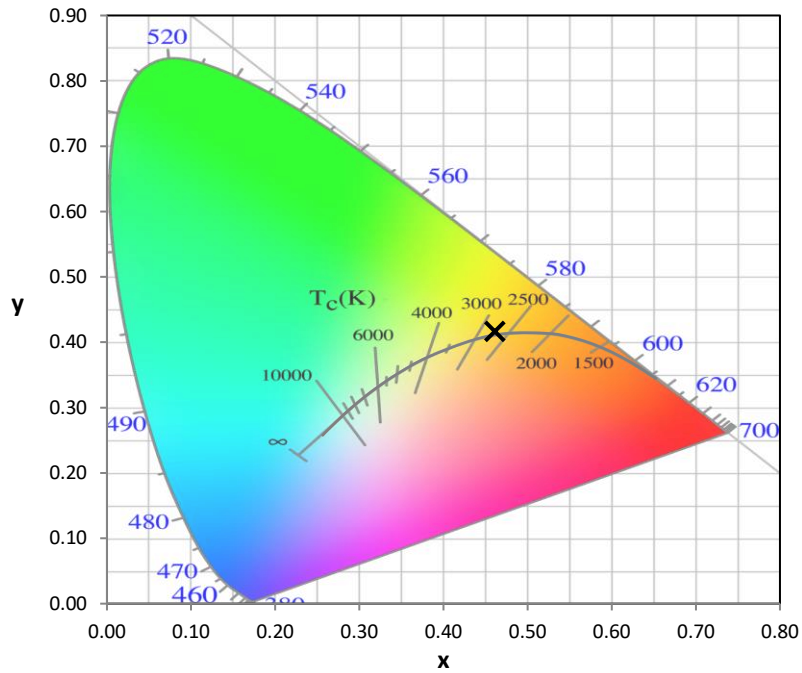
Stabilization Time: M
 Operation Time: 1H 0M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-13

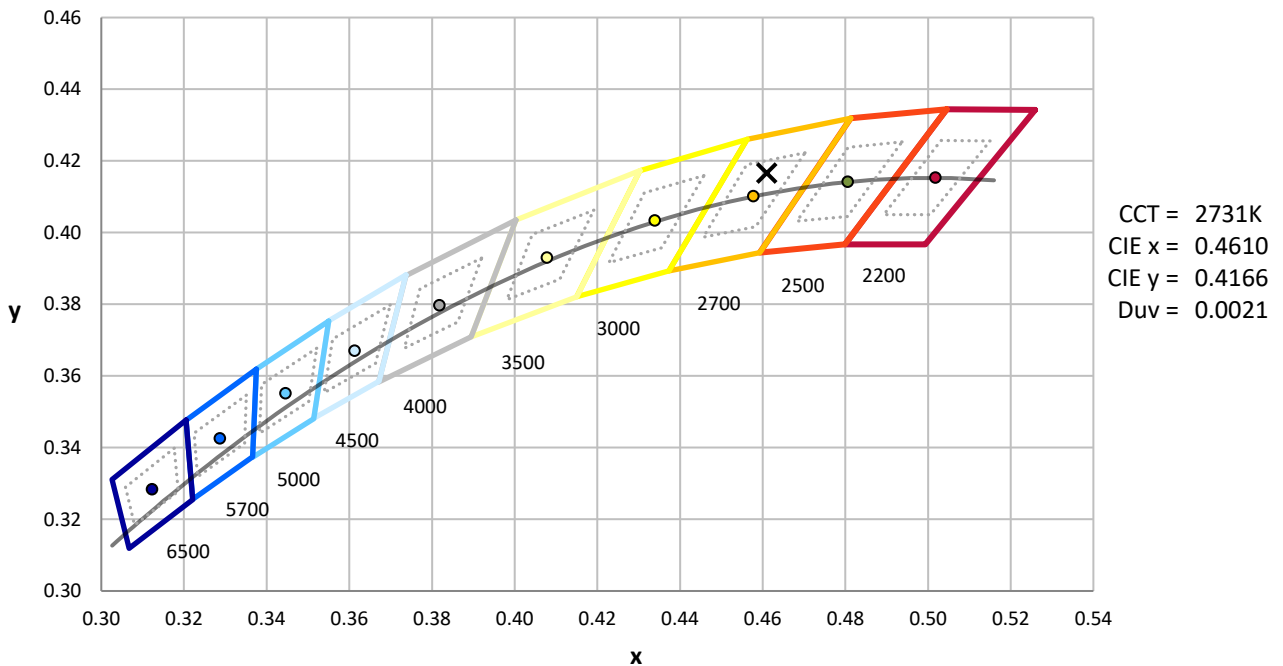
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



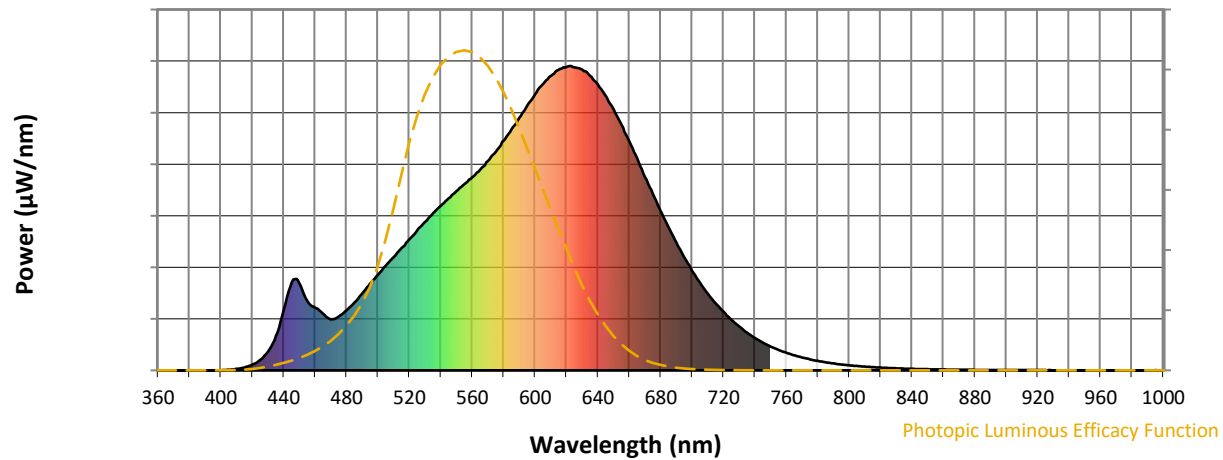
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-13

Photopic Flux vs. Wavelength

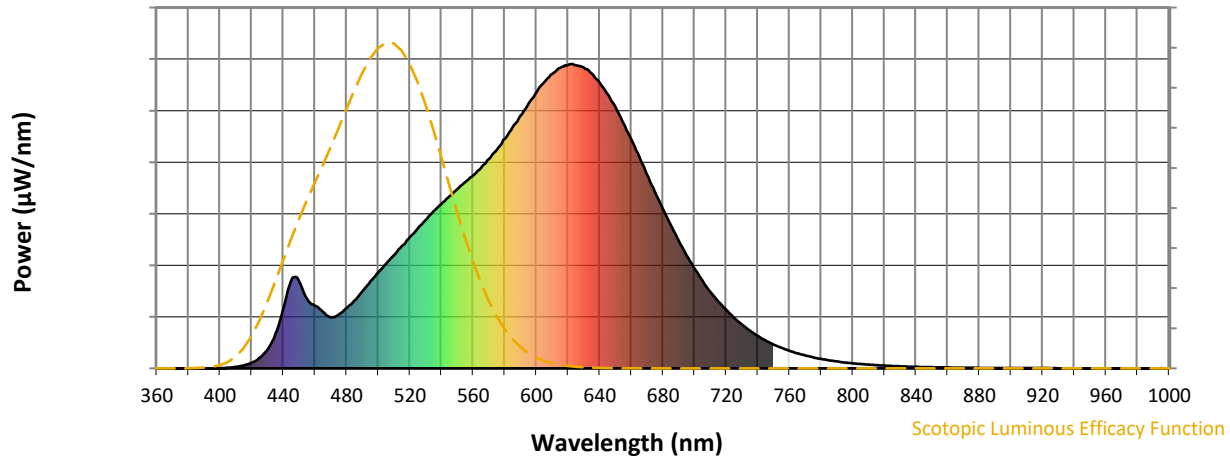


Photopic Lumens: NR

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



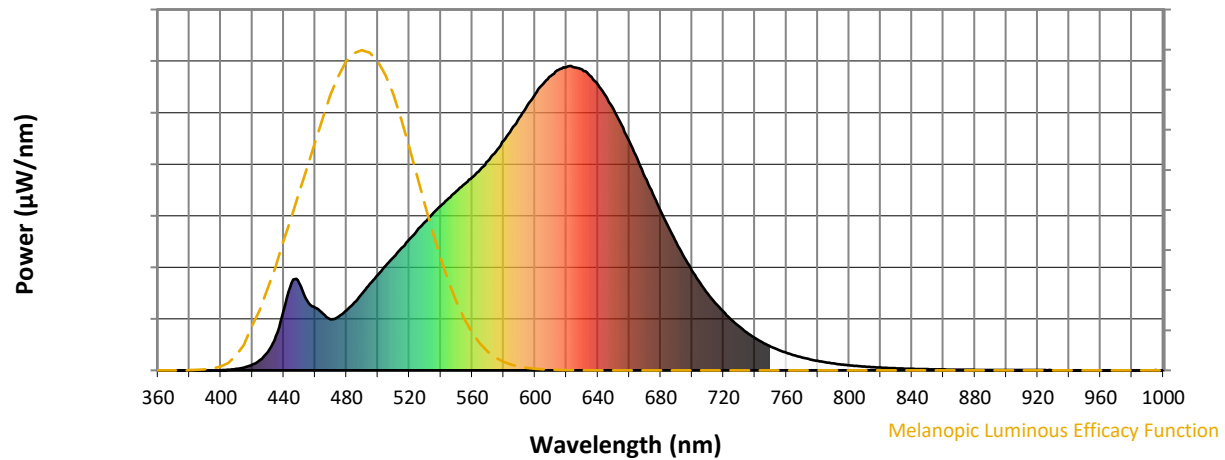
Scotopic Lumens: NR

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.38

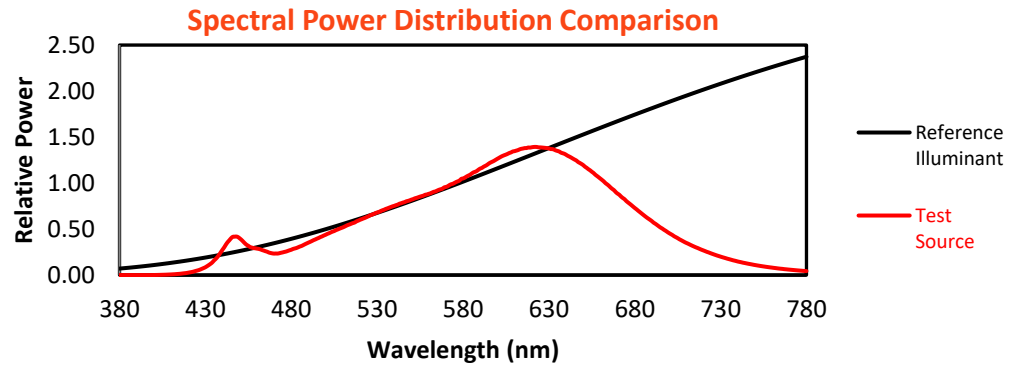
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	253	NR	620	997	NR	750	78	NR	880	2	NR
365	0	NR	495	285	NR	625	996	NR	755	67	NR	885	1	NR
370	0	NR	500	314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

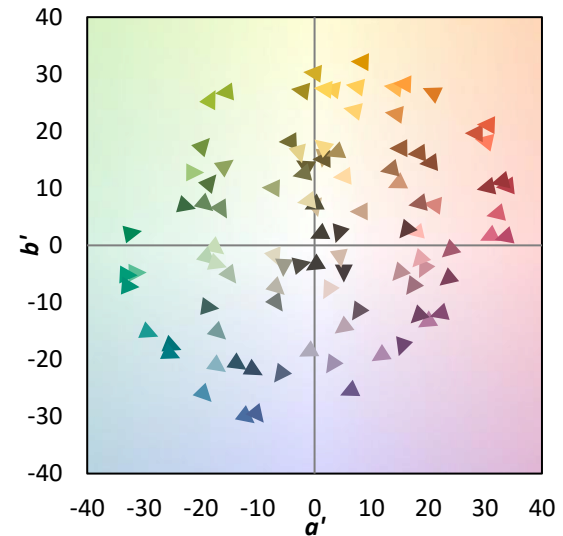
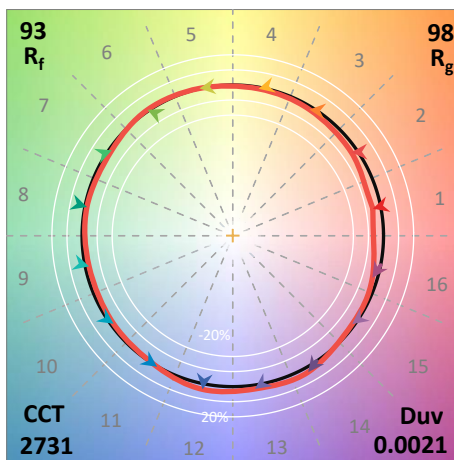
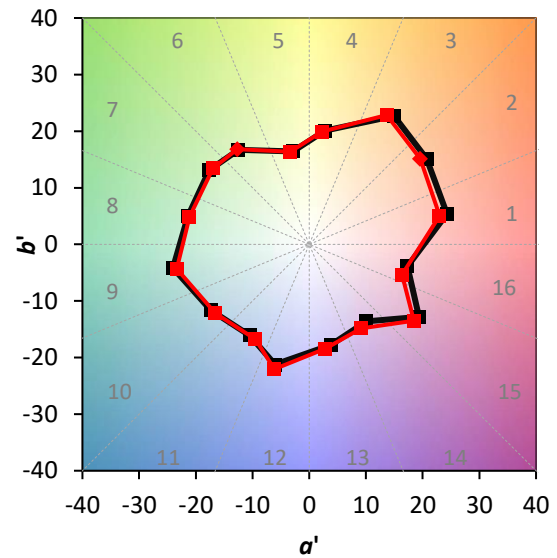
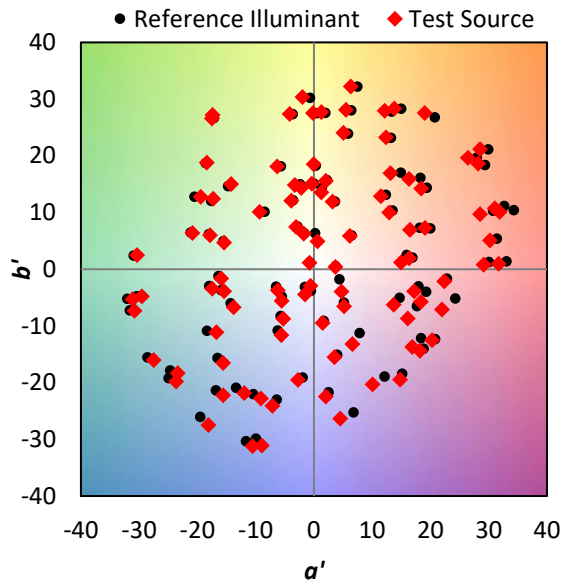
TM-30-18

Summary

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

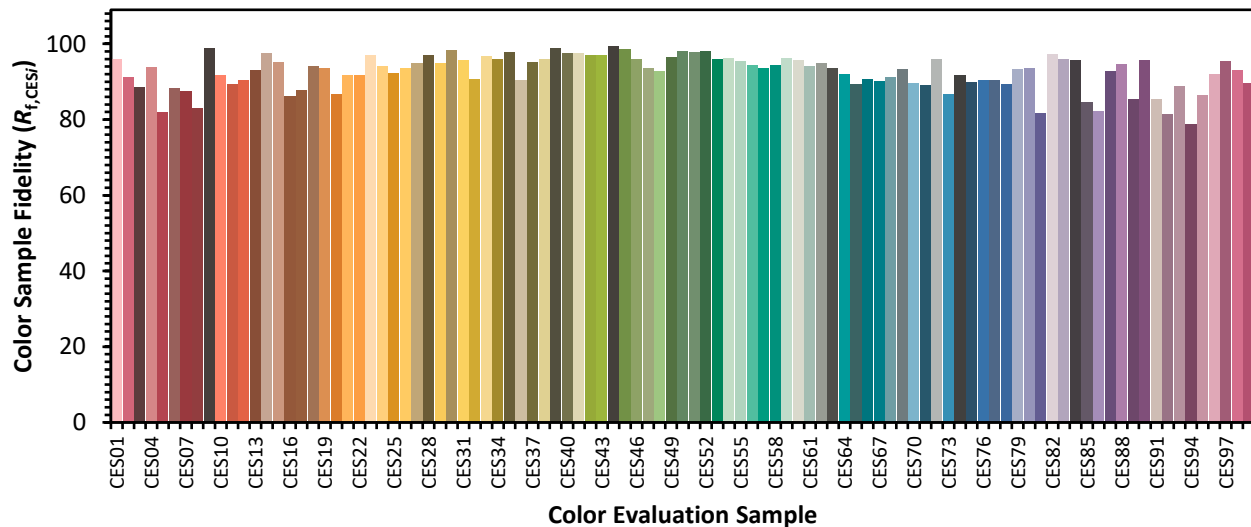


Color Vector Graphics

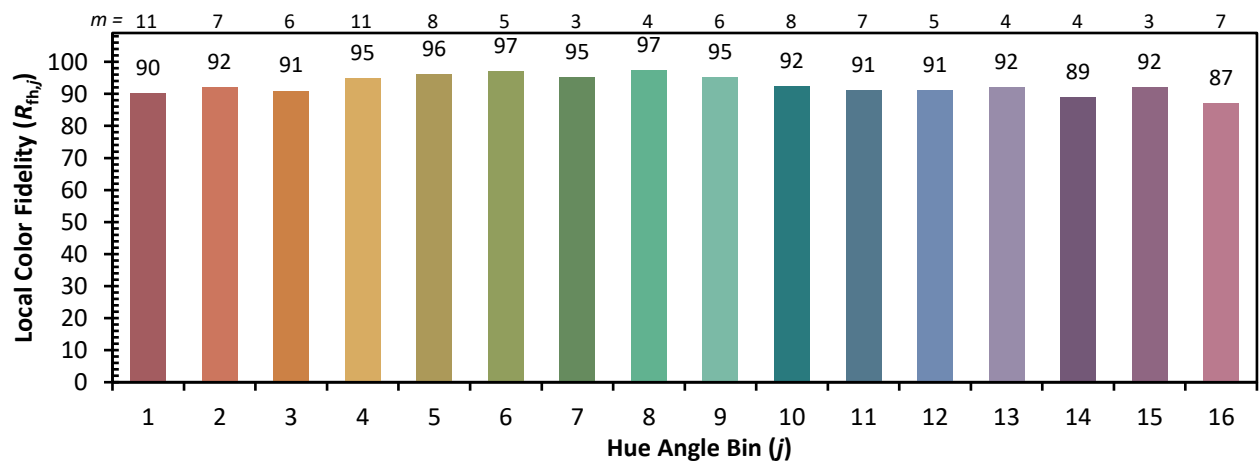
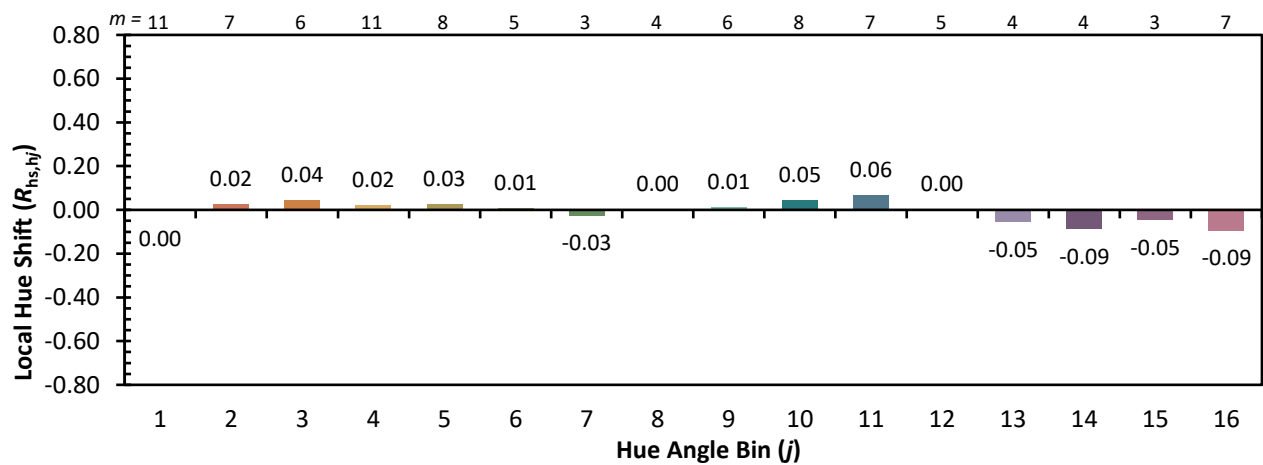
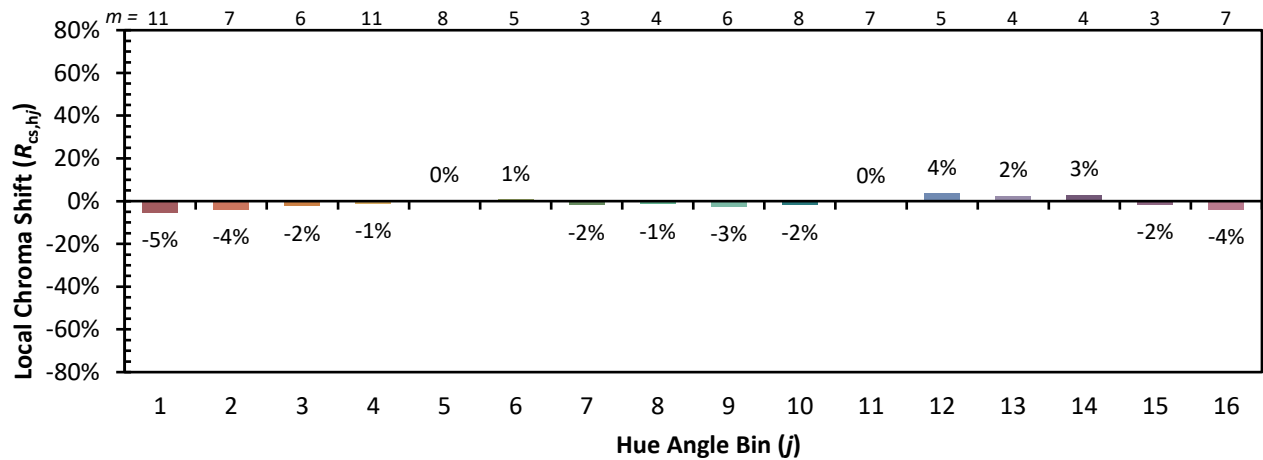


Individual Sample Fidelity Index ($R_{f,i}$)

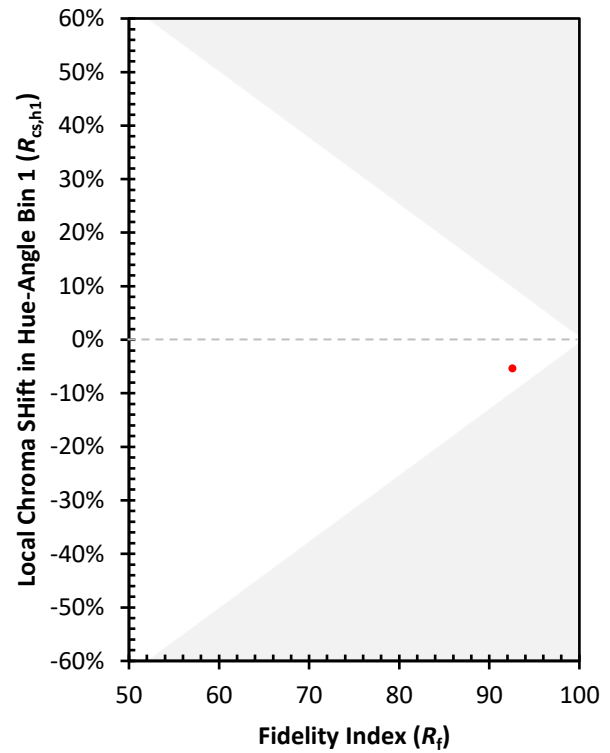
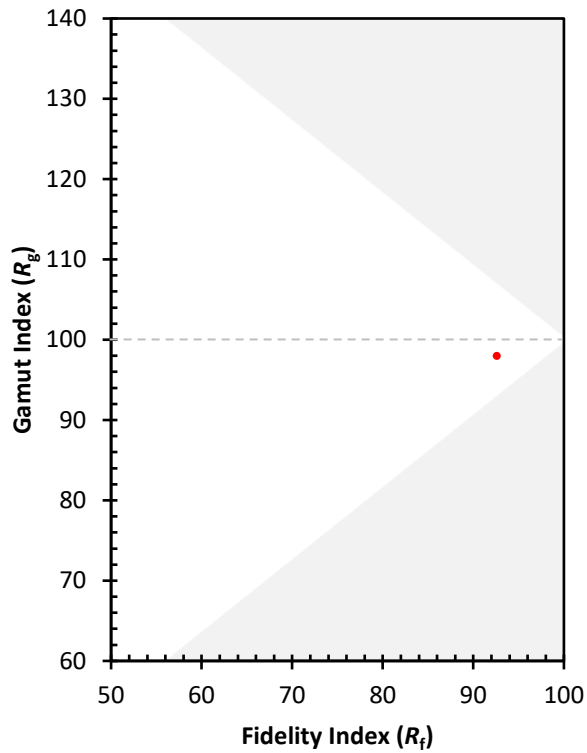
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 64	CES27 = 95	CES52 = 98	CES77 = 90
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 89
CES04 = 71	CES29 = 95	CES54 = 96	CES79 = 93
CES05 = 51	CES30 = 98	CES55 = 95	CES80 = 94
CES06 = 52	CES31 = 96	CES56 = 94	CES81 = 82
CES07 = 44	CES32 = 91	CES57 = 94	CES82 = 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)