

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: P1049951

Luminaire Tested: **GALN-SA6C-930-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049951
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-930-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
90CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

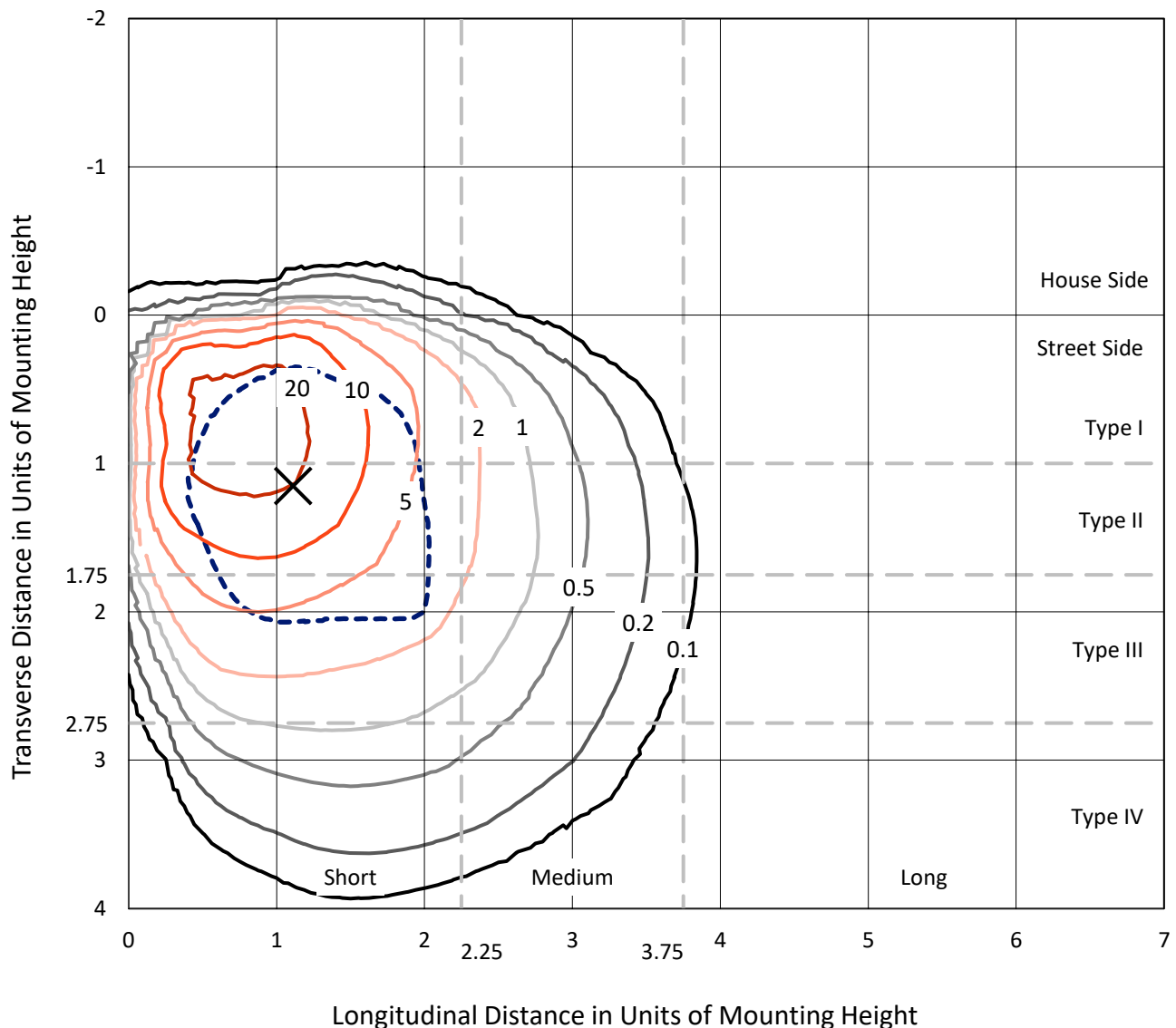
Lumens per Lamp: N/A
Luminaire Lumens: 20909.5 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

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

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Iso-Footcandle Lines of Horizontal Illumination

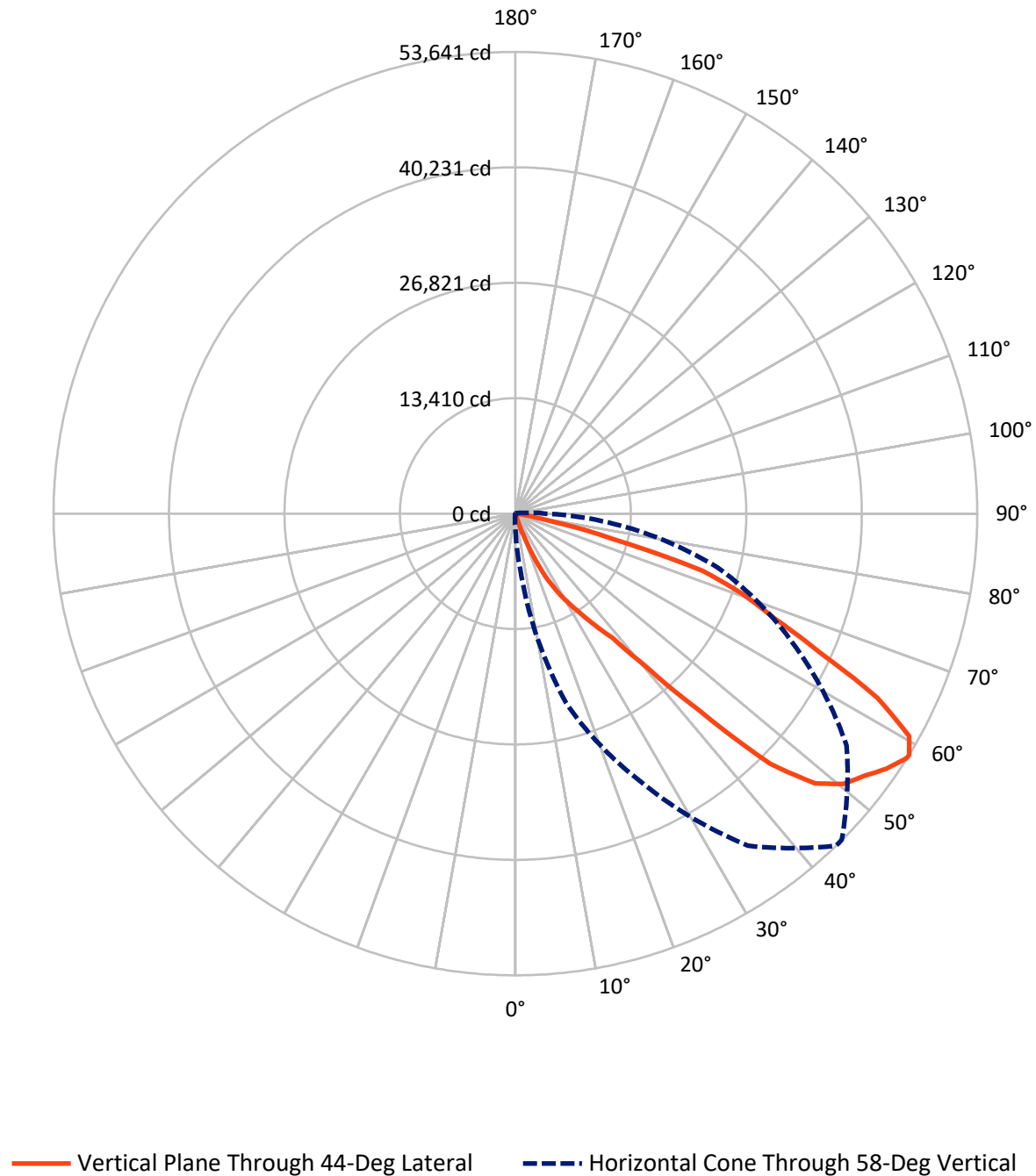
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 36.4 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	142.8	0.0	142.8
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	20766.8	0.0	20766.8
	% Fixture	99.3	0.0	99.3
Total	Lumens	20909.5	0.0	20909.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.0
10°-20°	45.9	0.2
20°-30°	495.3	2.4
30°-40°	1464.9	7.0
40°-50°	4366.2	20.9
50°-60°	6928.2	33.1
60°-70°	5778.9	27.6
70°-80°	1782.3	8.5
80°-90°	39.6	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°	20909.5	100.0
0°-180°	20909.5	100.0



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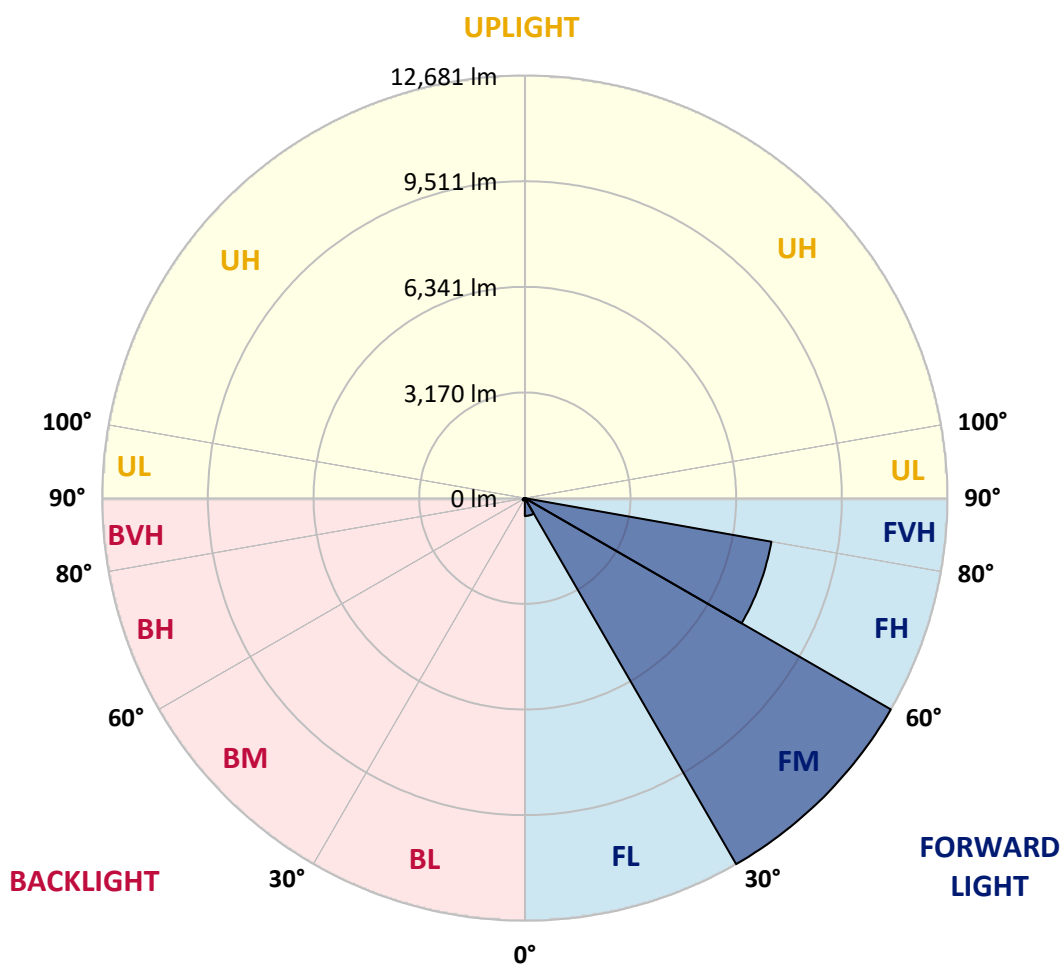
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	535.4	2.6			
FM	(30°-60°)	12681.2	60.6			
FH	(60°-80°)	7512.5	35.9			G4/12000
FVH	(80°-90°)	37.7	0.2			G1/100
BL	(0°-30°)	14.0	0.1	B0/110		
BM	(30°-60°)	78.1	0.4	B0/220		
BH	(60°-80°)	48.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2.5°	118.5	118.5	113.7	107.4	101.1	94.8	93.2	90.0	88.5	86.9
5°	123.2	123.2	121.6	116.9	110.6	105.8	105.8	101.1	97.9	94.8
7.5°	126.4	127.9	131.1	129.5	126.4	121.6	121.6	118.5	113.7	105.8
10°	131.1	135.8	142.2	145.3	146.9	146.9	145.3	143.7	135.8	124.8
12.5°	135.8	145.3	161.1	176.9	186.4	199.0	197.4	194.3	173.7	150.1
15°	145.3	159.5	192.7	238.5	309.6	353.8	371.2	355.4	287.5	202.2
17.5°	156.4	180.1	279.6	499.1	818.2	969.8	1061.4	987.2	653.9	383.8
20°	167.4	219.6	519.7	1293.6	2122.9	2618.9	2756.3	2541.5	1631.7	731.3
22.5°	186.4	308.0	1053.6	2674.2	4574.3	5318.3	5458.9	4771.8	3081.7	1443.7
25°	225.9	447.0	1816.5	4357.9	6826.8	8082.5	8024.0	7123.7	4999.2	2306.1
27.5°	282.7	650.8	2746.8	6191.8	8984.4	10091.7	10224.3	9110.8	6664.1	3391.3
30°	364.9	901.9	3745.1	7660.8	10714.0	11911.3	11933.4	10781.9	8153.6	4343.7
32.5°	443.8	1138.8	4618.6	9080.8	12418.3	13730.9	13828.8	12412.0	9265.6	5335.7
35°	503.9	1293.6	5503.1	10328.6	14136.9	15945.4	15939.1	14256.9	10582.9	6221.8
37.5°	508.6	1448.4	6303.9	11604.9	16313.5	18338.4	18539.0	16684.7	12175.1	7318.0
40°	497.6	1622.2	7318.0	13595.1	20235.5	23342.4	23519.3	21181.6	15368.9	9194.5
42.5°	510.2	1923.9	8963.9	17270.7	26747.9	31210.1	31551.3	29093.5	21240.0	13023.3
45°	576.5	2490.9	12412.0	23419.8	36030.8	41470.8	41357.0	37817.3	28071.5	18851.8
47.5°	796.1	3879.3	17523.4	29404.7	41963.6	46808.0	46905.9	42579.6	32058.3	23332.9
50°	1224.1	5935.9	21818.1	32568.5	44514.5	49374.8	49283.1	44283.9	33573.1	25539.5
52.5°	1592.2	7423.8	23972.6	33678.9	44841.5	50643.1	50636.8	44732.5	33808.4	25729.1
55°	1683.8	7536.0	23990.0	33738.9	45574.4	52303.2	52511.7	45836.6	34113.3	24901.4
57.5°	1647.5	6672.0	22988.6	34086.4	46879.1	53587.4	53598.4	46905.9	34887.2	24394.4
58°	1615.9	6536.1	22786.4	34283.9	47103.4	53641.1	53614.2	46954.9	35517.5	24375.4
60°	1439.0	5675.3	21998.2	34787.7	46770.1	52538.6	52287.4	45885.6	35424.3	24181.1
62.5°	1130.9	4427.4	21222.7	34204.9	43197.2	47201.3	47305.6	40624.1	32293.6	23048.6
65°	900.3	3299.7	19605.2	30003.3	35571.2	38761.8	39150.4	33034.4	26954.8	19516.8
67.5°	717.1	2385.1	16446.1	23887.3	28147.4	32350.5	32633.2	27735.1	20883.1	14953.5
70°	582.8	1612.7	11352.1	17469.7	23216.0	27942.0	27959.4	23040.7	15586.9	9797.9
72.5°	516.5	1116.7	6589.8	12740.5	18824.9	22769.0	22309.4	18697.0	11979.2	5803.2
75°	447.0	740.8	3231.7	7788.7	11413.7	11491.1	11666.5	8673.2	5988.0	2759.5
77.5°	368.0	526.0	1273.1	2127.6	3422.9	4381.6	4544.3	3443.4	1991.8	679.2
80°	252.7	249.6	342.8	652.3	979.3	1227.3	1145.2	886.1	521.2	260.6
82.5°	109.0	118.5	154.8	186.4	151.6	146.9	140.6	90.0	69.5	53.7
85°	34.7	31.6	33.2	33.2	26.9	20.5	20.5	9.5	0.0	0.0
87.5°	17.4	14.2	14.2	12.6	7.9	3.2	1.6	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



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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
91.6	0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
85.3	2.5°	83.7	83.7	80.6	77.4	75.8	72.7	71.1	69.5	67.9	66.3
91.6	5°	88.5	86.9	82.1	77.4	72.7	67.9	64.8	61.6	58.4	56.9
101.1	7.5°	96.4	93.2	83.7	75.8	69.5	63.2	60.0	55.3	52.1	47.4
112.1	10°	105.8	99.5	86.9	77.4	67.9	60.0	55.3	50.5	45.8	39.5
127.9	12.5°	118.5	107.4	91.6	75.8	64.8	55.3	50.5	44.2	39.5	34.7
148.5	15°	129.5	115.3	93.2	75.8	61.6	50.5	44.2	37.9	33.2	26.9
186.4	17.5°	145.3	121.6	91.6	71.1	56.9	44.2	37.9	33.2	25.3	15.8
276.4	20°	172.2	126.4	88.5	66.3	49.0	36.3	28.4	22.1	11.1	3.2
415.4	22.5°	214.8	139.0	85.3	60.0	42.6	28.4	19.0	7.9	0.0	0.0
631.8	25°	297.0	161.1	85.3	56.9	37.9	20.5	6.3	0.0	0.0	0.0
897.2	27.5°	394.9	191.1	85.3	49.0	30.0	11.1	0.0	0.0	0.0	0.0
1222.6	30°	494.4	224.3	85.3	42.6	23.7	1.6	0.0	0.0	0.0	0.0
1505.3	32.5°	589.2	252.7	86.9	36.3	15.8	0.0	0.0	0.0	0.0	0.0
1897.0	35°	685.5	257.5	85.3	31.6	9.5	0.0	0.0	0.0	0.0	0.0
2377.2	37.5°	808.7	248.0	80.6	28.4	4.7	0.0	0.0	0.0	0.0	0.0
3127.5	40°	995.1	252.7	75.8	26.9	1.6	0.0	0.0	0.0	0.0	0.0
4465.4	42.5°	1339.4	273.3	69.5	26.9	0.0	0.0	0.0	0.0	0.0	0.0
7112.7	45°	2315.6	366.5	63.2	28.4	0.0	0.0	0.0	0.0	0.0	0.0
10677.7	47.5°	3830.4	658.7	61.6	28.4	0.0	0.0	0.0	0.0	0.0	0.0
12862.2	50°	4888.7	829.3	64.8	30.0	0.0	0.0	0.0	0.0	0.0	0.0
13135.4	52.5°	4880.8	924.0	67.9	31.6	6.3	0.0	0.0	0.0	0.0	0.0
12107.2	55°	4339.0	941.4	72.7	34.7	20.5	0.0	0.0	0.0	0.0	0.0
10404.4	57.5°	3626.6	859.3	83.7	42.6	37.9	0.0	0.0	0.0	0.0	0.0
10137.5	58°	3500.3	821.4	86.9	44.2	41.1	0.0	0.0	0.0	0.0	0.0
8793.3	60°	2868.4	669.7	110.6	55.3	55.3	0.0	0.0	0.0	0.0	0.0
7209.0	62.5°	1980.7	584.4	126.4	71.1	56.9	0.0	0.0	0.0	0.0	0.0
5315.1	65°	1401.0	527.6	137.4	75.8	45.8	0.0	0.0	0.0	0.0	0.0
3776.7	67.5°	1047.2	486.5	151.6	77.4	23.7	0.0	0.0	0.0	0.0	0.0
2369.3	70°	802.4	456.5	186.4	82.1	6.3	0.0	0.0	0.0	0.0	0.0
1412.1	72.5°	653.9	421.7	225.9	85.3	0.0	0.0	0.0	0.0	0.0	0.0
846.6	75°	541.8	380.7	218.0	93.2	0.0	0.0	0.0	0.0	0.0	0.0
451.7	77.5°	360.1	295.4	199.0	93.2	0.0	0.0	0.0	0.0	0.0	0.0
161.1	80°	126.4	116.9	154.8	82.1	0.0	0.0	0.0	0.0	0.0	0.0
33.2	82.5°	19.0	15.8	22.1	28.4	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

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
91.6	0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
64.8	2.5°	64.8	64.8	63.2	64.8	64.8	67.9	75.8	86.9	99.5	104.2
55.3	5°	53.7	52.1	50.5	50.5	50.5	55.3	61.6	74.2	88.5	94.8
45.8	7.5°	44.2	42.6	41.1	39.5	39.5	42.6	50.5	64.8	79.0	85.3
37.9	10°	36.3	33.2	31.6	30.0	30.0	33.2	41.1	55.3	71.1	77.4
31.6	12.5°	30.0	25.3	22.1	20.5	19.0	23.7	31.6	44.2	61.6	69.5
23.7	15°	20.5	15.8	11.1	9.5	7.9	12.6	20.5	34.7	52.1	61.6
12.6	17.5°	11.1	4.7	1.6	0.0	0.0	3.2	9.5	25.3	42.6	50.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	31.6	39.5
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	19.0	26.9
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	14.2
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	4.7
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	12.6
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°
91.6	0°	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
109.0	2.5°	112.1	110.6	107.4	104.2	104.2	104.2	109.0	113.7	118.5	118.5
97.9	5°	104.2	104.2	102.7	99.5	99.5	101.1	107.4	115.3	121.6	123.2
90.0	7.5°	96.4	99.5	96.4	94.8	96.4	97.9	104.2	113.7	123.2	126.4
83.7	10°	91.6	93.2	93.2	91.6	91.6	94.8	101.1	113.7	126.4	131.1
75.8	12.5°	85.3	88.5	86.9	86.9	86.9	90.0	97.9	112.1	129.5	135.8
67.9	15°	79.0	83.7	83.7	82.1	82.1	83.7	94.8	110.6	134.3	145.3
58.4	17.5°	72.7	77.4	79.0	75.8	75.8	79.0	90.0	110.6	137.4	156.4
47.4	20°	60.0	67.9	72.7	67.9	67.9	71.1	82.1	104.2	139.0	167.4
34.7	22.5°	47.4	55.3	61.6	60.0	60.0	61.6	75.8	99.5	140.6	186.4
20.5	25°	34.7	42.6	47.4	50.5	50.5	55.3	69.5	96.4	146.9	225.9
9.5	27.5°	20.5	30.0	36.3	39.5	41.1	47.4	64.8	93.2	158.0	282.7
0.0	30°	9.5	17.4	25.3	31.6	31.6	42.6	60.0	90.0	172.2	364.9
0.0	32.5°	0.0	7.9	12.6	22.1	23.7	34.7	55.3	86.9	192.7	443.8
0.0	35°	0.0	0.0	6.3	17.4	17.4	28.4	50.5	83.7	224.3	503.9
0.0	37.5°	0.0	0.0	0.0	12.6	14.2	25.3	49.0	82.1	230.6	508.6
0.0	40°	0.0	0.0	0.0	9.5	11.1	23.7	49.0	83.7	208.5	497.6
0.0	42.5°	0.0	0.0	0.0	6.3	7.9	23.7	49.0	86.9	188.0	510.2
0.0	45°	0.0	0.0	0.0	4.7	6.3	25.3	47.4	85.3	176.9	576.5
0.0	47.5°	0.0	0.0	0.0	6.3	9.5	25.3	45.8	83.7	178.5	796.1
0.0	50°	0.0	0.0	0.0	7.9	11.1	25.3	47.4	80.6	195.9	1224.1
0.0	52.5°	0.0	0.0	0.0	6.3	9.5	28.4	52.1	79.0	213.2	1592.2
0.0	55°	0.0	0.0	0.0	1.6	4.7	36.3	56.9	79.0	240.1	1683.8
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	41.1	64.8	83.7	284.3	1647.5
0.0	58°	0.0	0.0	0.0	0.0	0.0	41.1	66.3	83.7	287.5	1615.9
0.0	60°	0.0	0.0	0.0	0.0	0.0	41.1	72.7	93.2	309.6	1439.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	34.7	86.9	116.9	322.2	1130.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	28.4	102.7	127.9	331.7	900.3
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	26.9	105.8	129.5	336.4	717.1
0.0	70°	0.0	0.0	0.0	0.0	0.0	28.4	104.2	139.0	352.2	582.8
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	31.6	94.8	153.2	352.2	516.5
0.0	75°	0.0	0.0	0.0	0.0	0.0	33.2	88.5	172.2	320.6	447.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	31.6	86.9	200.6	285.9	368.0
0.0	80°	3.2	4.7	4.7	3.2	3.2	26.9	85.3	203.8	243.2	252.7
1.6	82.5°	9.5	12.6	11.1	7.9	7.9	23.7	75.8	170.6	126.4	109.0
9.5	85°	17.4	20.5	20.5	17.4	17.4	22.1	47.4	61.6	42.6	34.7
17.4	87.5°	23.7	26.9	26.9	23.7	23.7	22.1	20.5	19.0	17.4	17.4
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

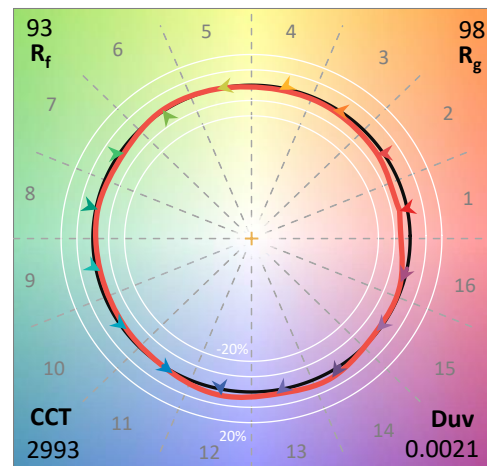
Test Information

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

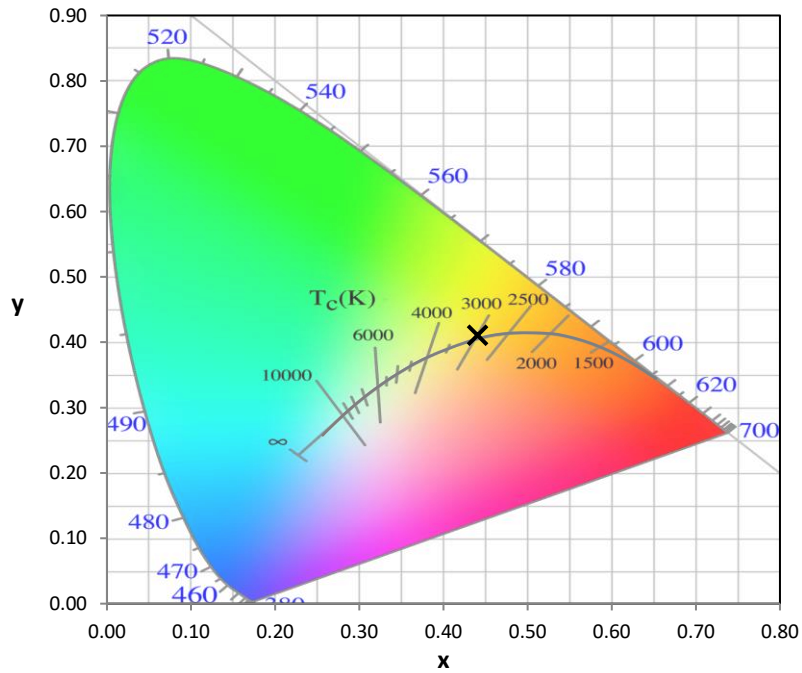
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-14

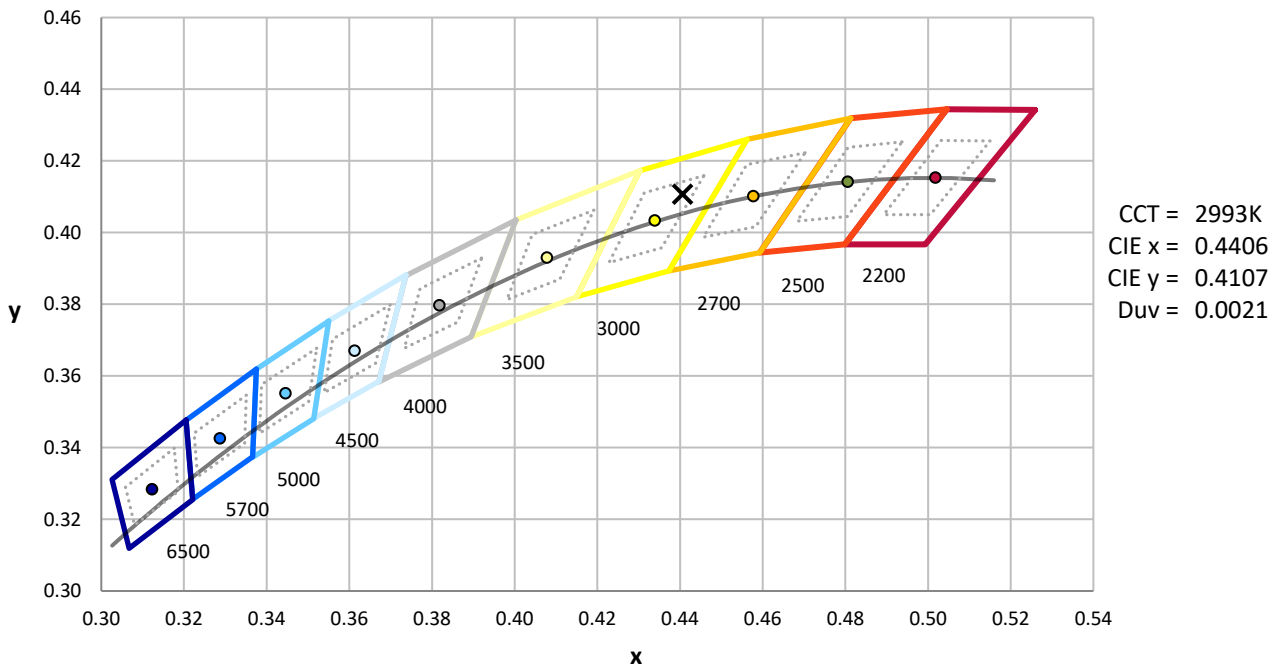
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



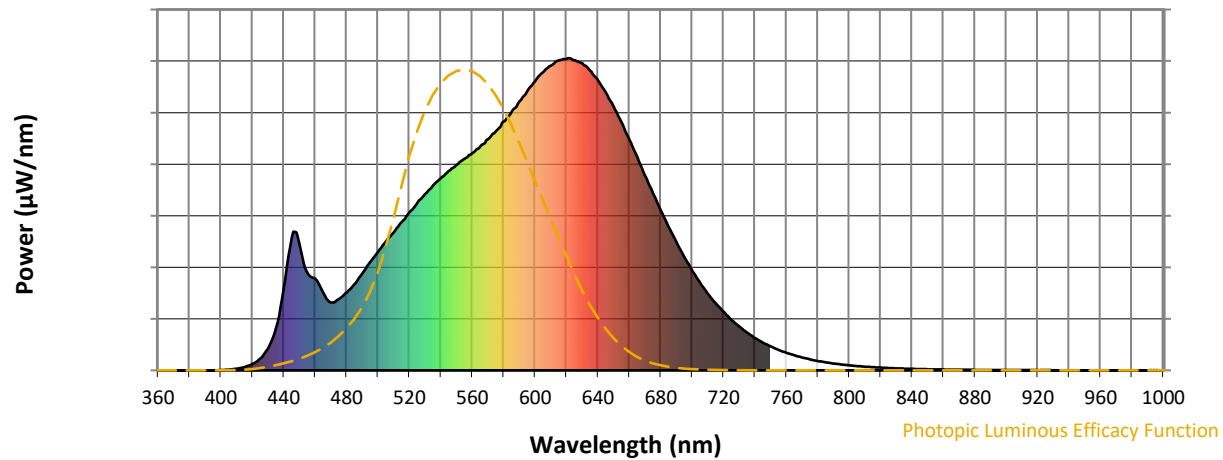
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-14

Photopic Flux vs. Wavelength

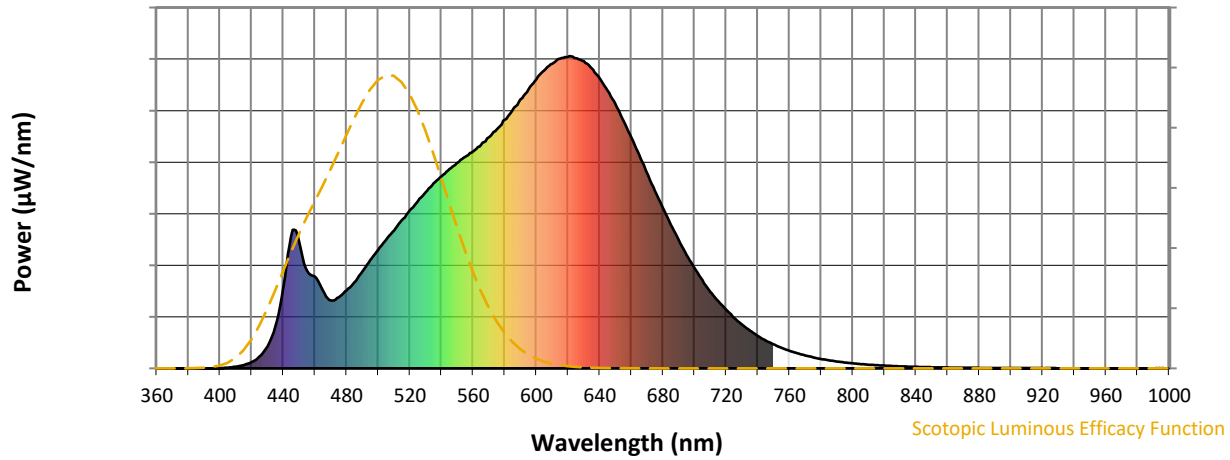


Photopic Lumens: NR

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



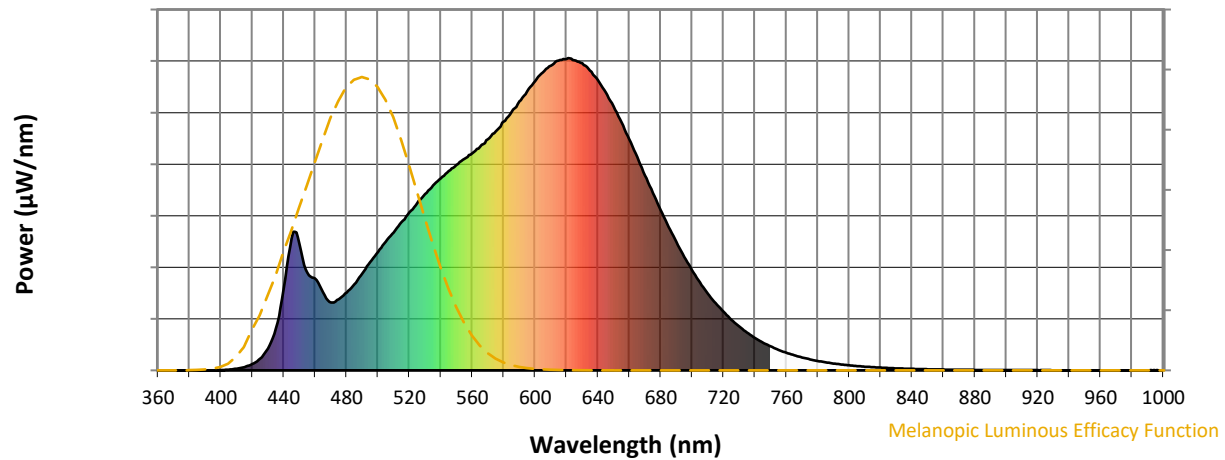
Scotopic Lumens: NR

S/P: 1.39

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

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.69

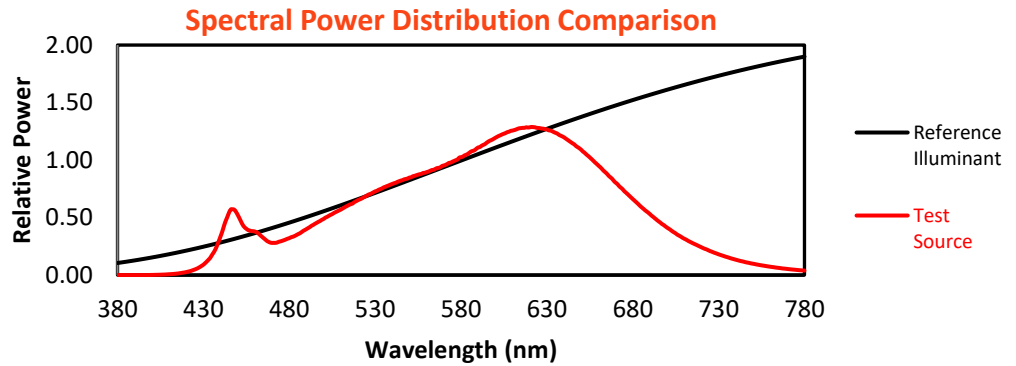
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	310	NR	620	998	NR	750	77	NR	880	2	NR
365	0	NR	495	347	NR	625	993	NR	755	66	NR	885	1	NR
370	0	NR	500	379	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

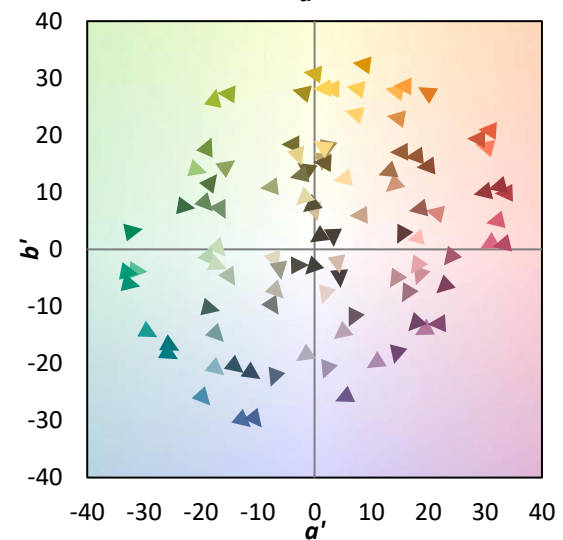
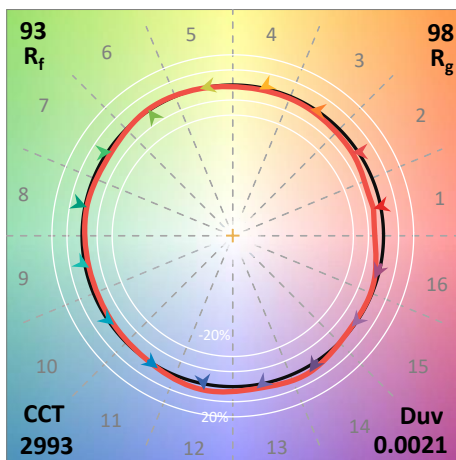
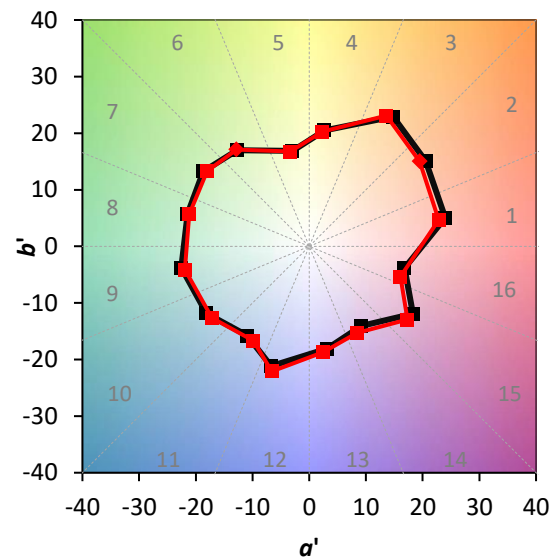
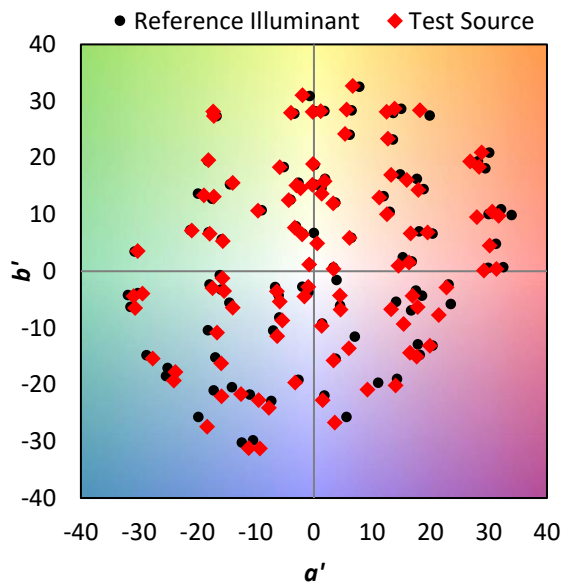
TM-30-18

Summary

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

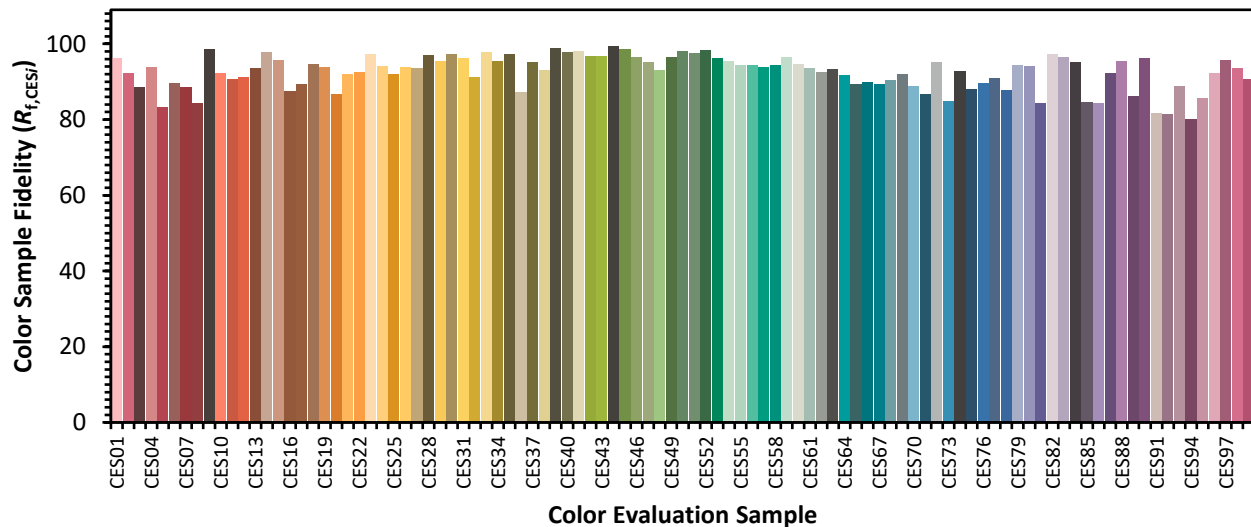


Color Vector Graphics

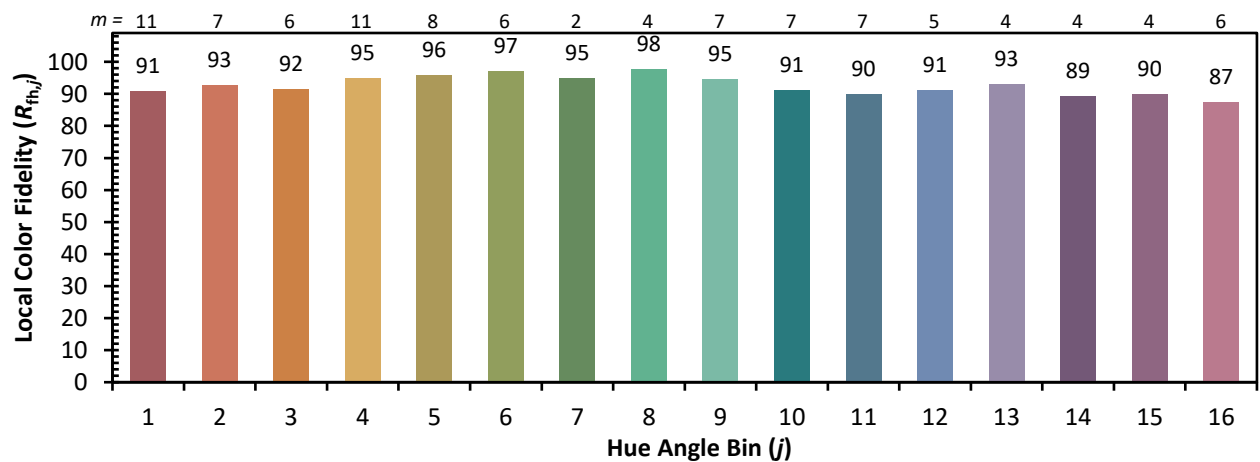
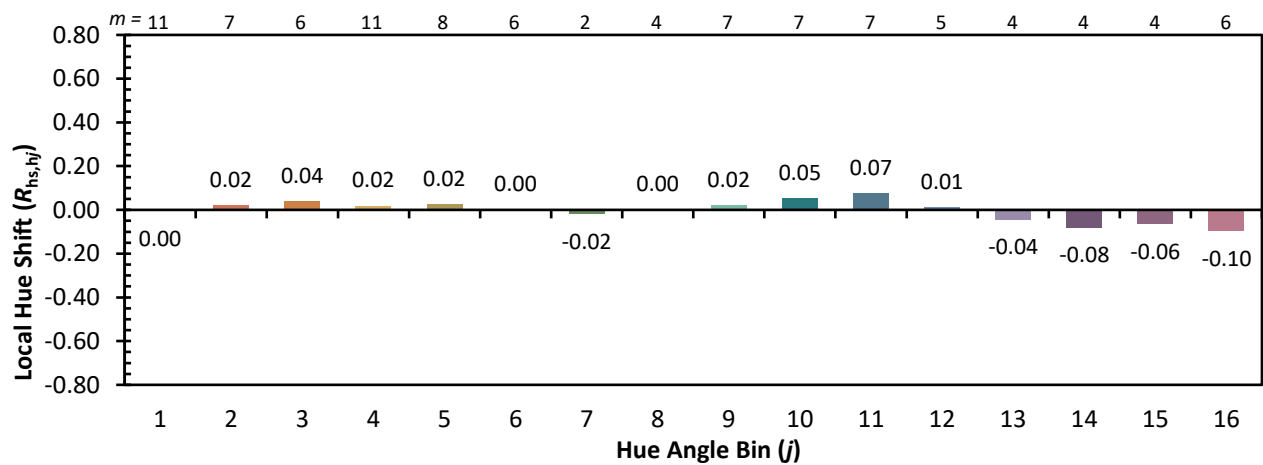
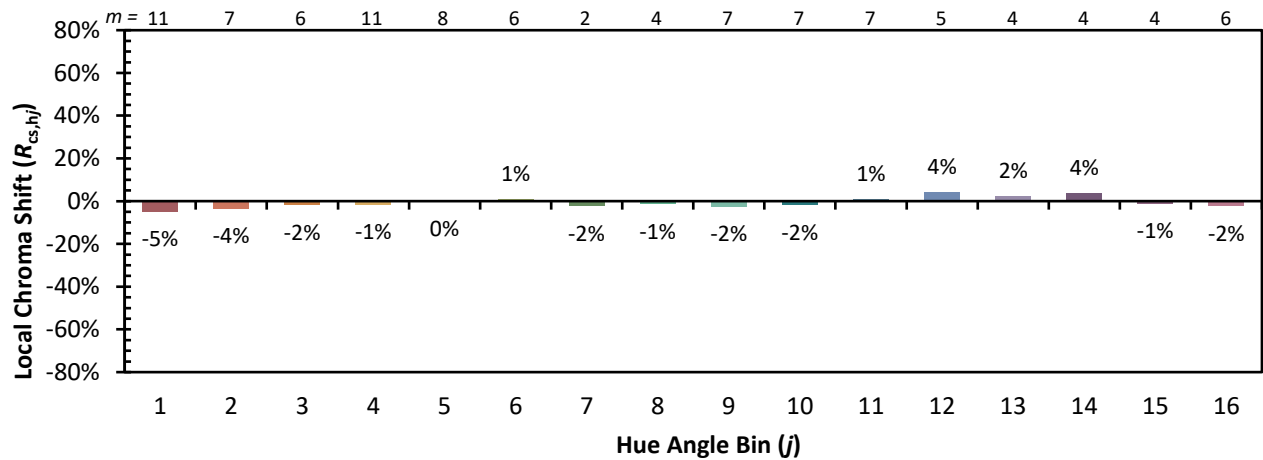


Individual Sample Fidelity Index ($R_{f,i}$)

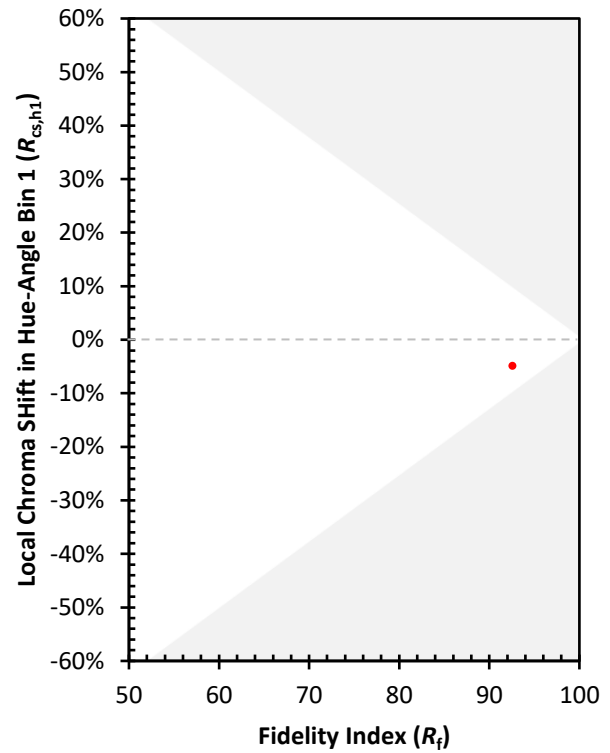
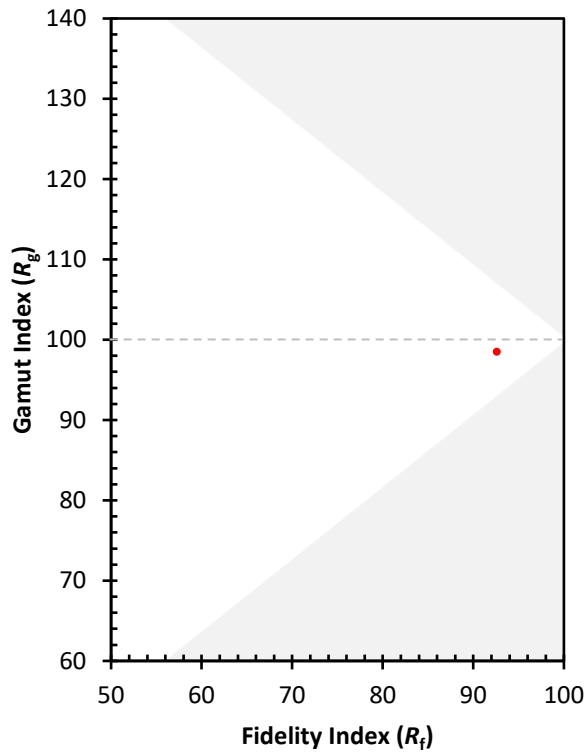
CES01 = 86	CES26 = 94	CES51 = 98	CES76 = 90
CES02 = 63	CES27 = 94	CES52 = 98	CES77 = 91
CES03 = 32	CES28 = 97	CES53 = 96	CES78 = 88
CES04 = 70	CES29 = 95	CES54 = 95	CES79 = 94
CES05 = 51	CES30 = 97	CES55 = 94	CES80 = 94
CES06 = 51	CES31 = 96	CES56 = 94	CES81 = 84
CES07 = 43	CES32 = 91	CES57 = 94	CES82 = 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)