

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1065219

Luminaire Tested: **GLAN-SA4C-730-U-LBC**

Issue Date: 08/07/2025



Test Information

Test Method: LM-79-08
Report Number: P1065219
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-730-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 3000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19917.4 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
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

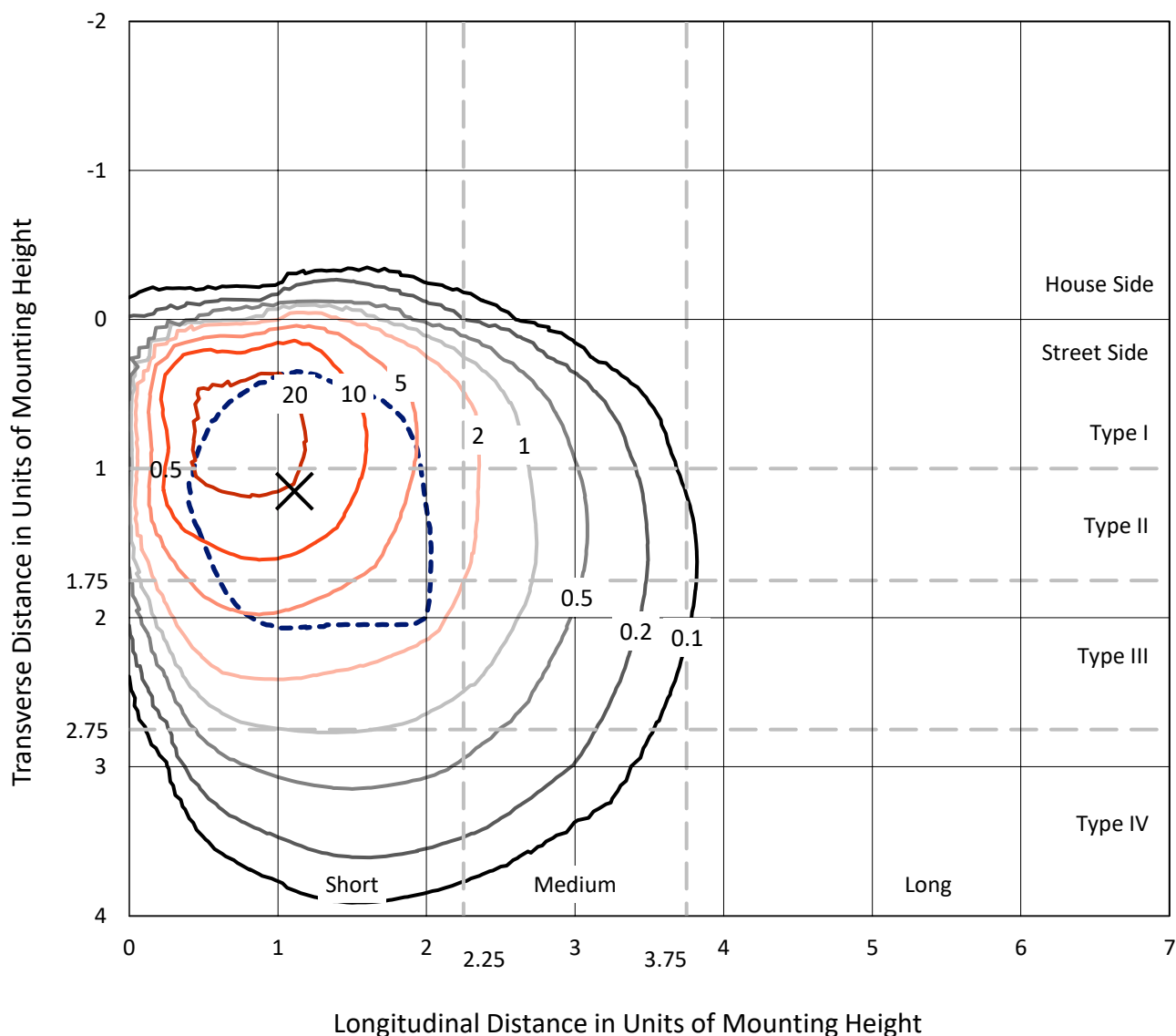
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

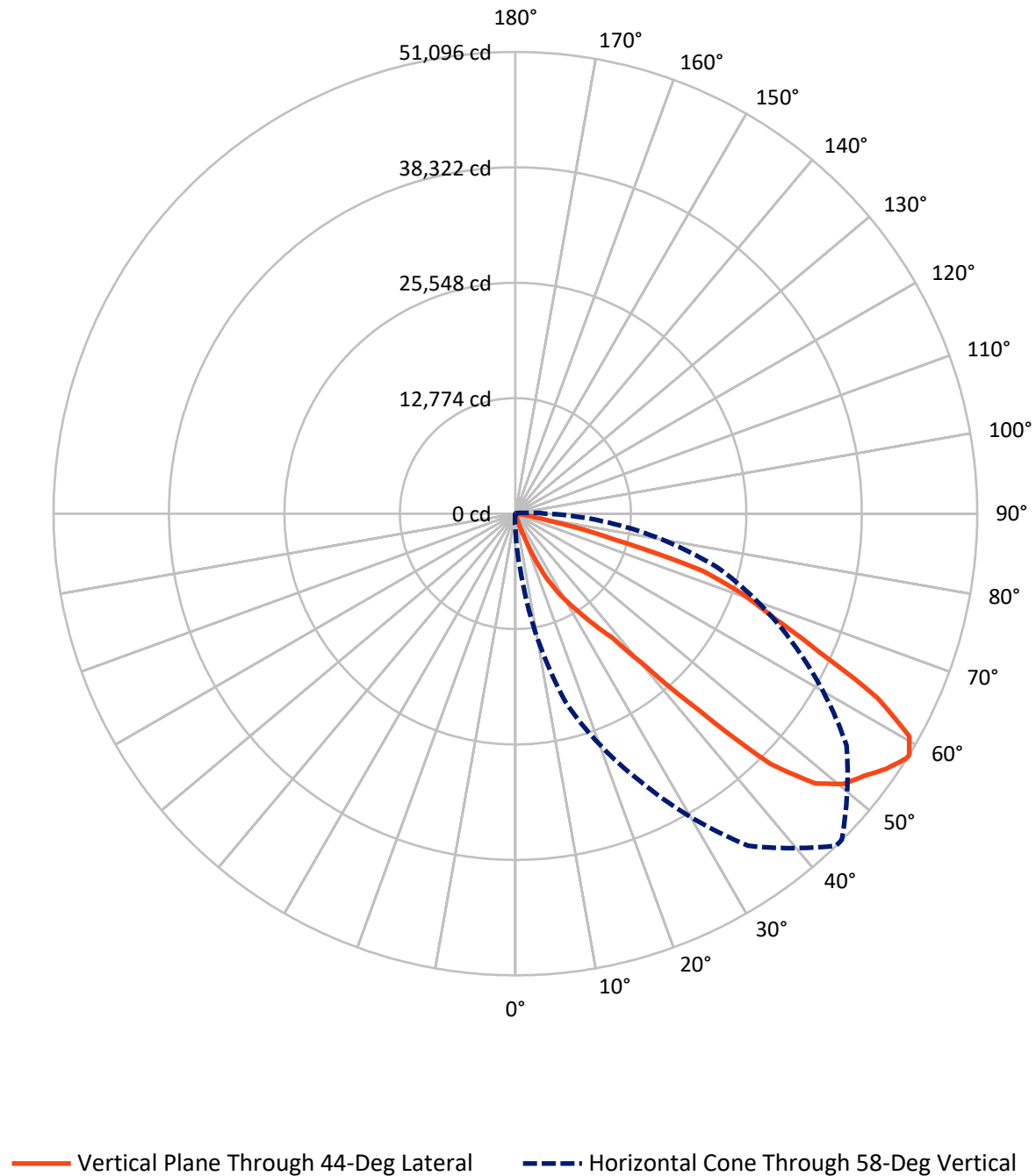


Based on 20 foot mounting height. Maximum calculated value = 34.7 fc

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	136.0	0.0	136.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	19781.4	0.0	19781.4
	% Fixture	99.3	0.0	99.3
Total	Lumens	19917.4	0.0	19917.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	0.0
10°-20°	43.7	0.2
20°-30°	471.8	2.4
30°-40°	1395.4	7.0
40°-50°	4159.1	20.9
50°-60°	6599.4	33.1
60°-70°	5504.7	27.6
70°-80°	1697.7	8.5
80°-90°	37.7	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°	19917.4	100.0
0°-180°	19917.4	100.0



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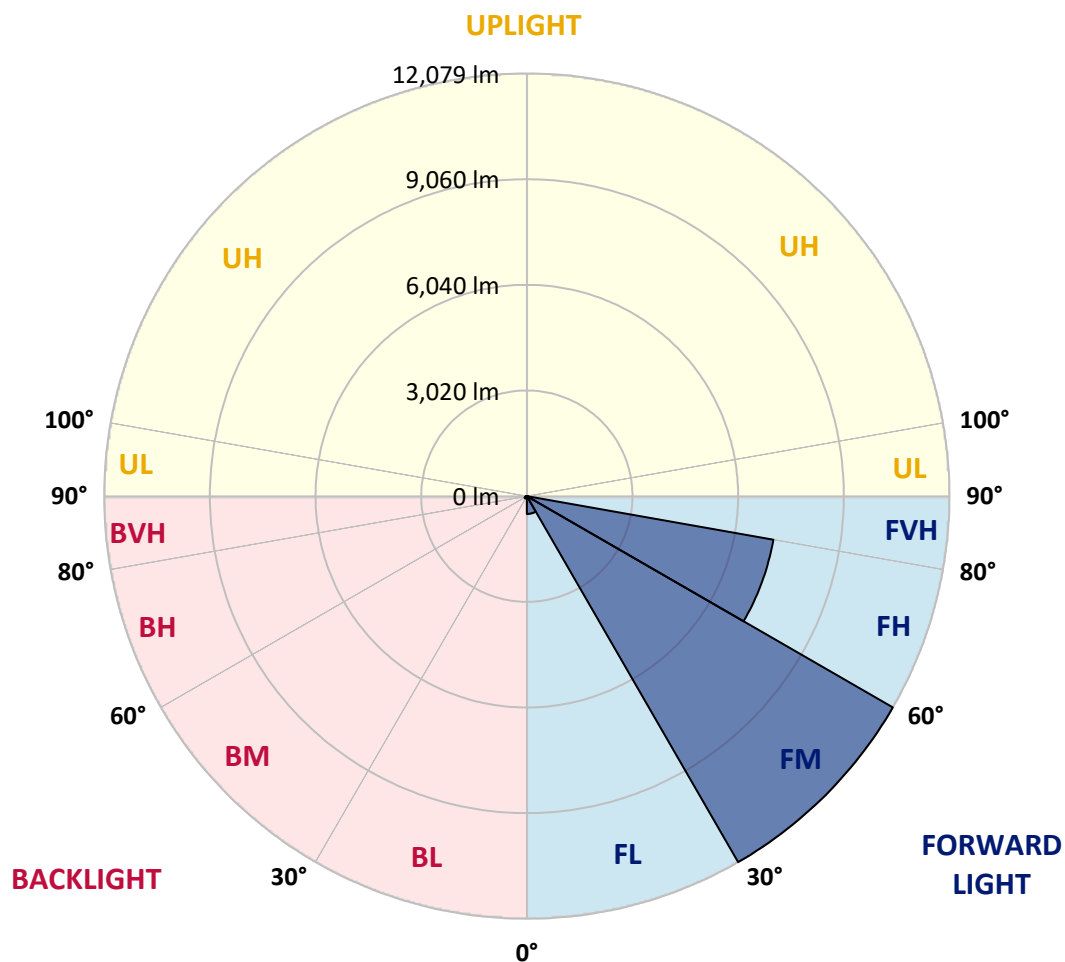
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	510.0	2.6			
FM	(30°-60°)	12079.5	60.6			
FH	(60°-80°)	7156.0	35.9			G3/7500
FVH	(80°-90°)	35.9	0.2			G1/100
BL	(0°-30°)	13.3	0.1	B0/110		
BM	(30°-60°)	74.4	0.4	B0/220		
BH	(60°-80°)	46.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2.5°	112.8	112.8	108.3	102.3	96.3	90.3	88.8	85.8	84.3	82.8
5°	117.4	117.4	115.9	111.3	105.3	100.8	100.8	96.3	93.3	90.3
7.5°	120.4	121.9	124.9	123.4	120.4	115.9	115.9	112.8	108.3	100.8
10°	124.9	129.4	135.4	138.4	139.9	139.9	138.4	136.9	129.4	118.9
12.5°	129.4	138.4	153.5	168.5	177.5	189.6	188.1	185.1	165.5	142.9
15°	138.4	152.0	183.6	227.2	294.9	337.0	353.6	338.5	273.8	192.6
17.5°	149.0	171.5	266.3	475.4	779.4	923.8	1011.1	940.4	622.9	365.6
20°	159.5	209.1	495.0	1232.3	2022.2	2494.6	2625.5	2420.9	1554.2	696.6
22.5°	177.5	293.4	1003.6	2547.3	4357.3	5065.9	5199.9	4545.4	2935.5	1375.2
25°	215.2	425.8	1730.3	4151.2	6502.8	7699.0	7643.3	6785.7	4762.0	2196.7
27.5°	269.3	619.9	2616.5	5898.0	8558.1	9612.8	9739.2	8678.5	6347.9	3230.4
30°	347.6	859.1	3567.4	7297.3	10205.6	11346.1	11367.2	10270.3	7766.7	4137.6
32.5°	422.8	1084.8	4399.4	8649.9	11829.1	13079.4	13172.7	11823.1	8825.9	5082.5
35°	480.0	1232.3	5242.0	9838.5	13466.1	15188.8	15182.8	13580.4	10080.7	5926.6
37.5°	484.5	1379.7	6004.8	11054.2	15539.4	17468.3	17659.4	15893.0	11597.4	6970.8
40°	473.9	1545.2	6970.8	12950.0	19275.3	22234.8	22403.3	20176.5	14639.6	8758.2
42.5°	486.0	1832.6	8538.5	16451.2	25478.7	29729.2	30054.2	27713.0	20232.2	12405.3
45°	549.2	2372.7	11823.1	22308.5	34321.2	39503.0	39394.6	36022.9	26739.5	17957.3
47.5°	758.3	3695.3	16691.9	28009.4	39972.4	44587.0	44680.3	40559.2	30537.1	22225.8
50°	1166.1	5654.2	20782.9	31023.1	42402.3	47031.9	46944.7	42182.6	31980.0	24327.7
52.5°	1516.6	7071.6	22835.1	32080.8	42713.8	48240.1	48234.1	42609.9	32204.2	24508.2
55°	1603.9	7178.4	22851.7	32138.0	43411.9	49821.4	50020.0	43661.7	32494.6	23719.8
57.5°	1569.3	6355.4	21897.8	32469.0	44654.7	51044.7	51055.2	44680.3	33231.8	23236.9
58°	1539.2	6226.0	21705.2	32657.1	44868.3	51095.8	51070.2	44726.9	33832.2	23218.8
60°	1370.7	5406.0	20954.4	33137.1	44550.9	50045.6	49806.4	43708.3	33743.4	23033.7
62.5°	1077.3	4217.4	20215.6	32581.9	41147.5	44961.6	45060.9	38696.5	30761.3	21955.0
65°	857.6	3143.1	18675.0	28579.7	33883.3	36922.6	37292.7	31467.0	25675.8	18590.7
67.5°	683.1	2271.9	15665.8	22753.9	26811.8	30815.5	31084.8	26419.1	19892.2	14243.9
70°	555.2	1536.2	10813.5	16640.7	22114.4	26616.2	26632.7	21947.4	14847.3	9333.0
72.5°	492.0	1063.7	6277.1	12136.0	17931.7	21688.6	21250.8	17809.8	11410.8	5527.9
75°	425.8	705.7	3078.4	7419.1	10872.2	10945.9	11112.9	8261.7	5703.9	2628.5
77.5°	350.6	501.0	1212.7	2026.7	3260.4	4173.7	4328.7	3280.0	1897.3	647.0
80°	240.7	237.7	326.5	621.4	932.8	1169.1	1090.8	844.1	496.5	248.3
82.5°	103.8	112.8	147.4	177.5	144.4	139.9	133.9	85.8	66.2	51.2
85°	33.1	30.1	31.6	31.6	25.6	19.6	19.6	9.0	0.0	0.0
87.5°	16.6	13.5	13.5	12.0	7.5	3.0	1.5	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°
87.3	0°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
81.2	2.5°	79.7	79.7	76.7	73.7	72.2	69.2	67.7	66.2	64.7	63.2
87.3	5°	84.3	82.8	78.2	73.7	69.2	64.7	61.7	58.7	55.7	54.2
96.3	7.5°	91.8	88.8	79.7	72.2	66.2	60.2	57.2	52.7	49.7	45.1
106.8	10°	100.8	94.8	82.8	73.7	64.7	57.2	52.7	48.1	43.6	37.6
121.9	12.5°	112.8	102.3	87.3	72.2	61.7	52.7	48.1	42.1	37.6	33.1
141.4	15°	123.4	109.8	88.8	72.2	58.7	48.1	42.1	36.1	31.6	25.6
177.5	17.5°	138.4	115.9	87.3	67.7	54.2	42.1	36.1	31.6	24.1	15.0
263.3	20°	164.0	120.4	84.3	63.2	46.6	34.6	27.1	21.1	10.5	3.0
395.7	22.5°	204.6	132.4	81.2	57.2	40.6	27.1	18.1	7.5	0.0	0.0
601.8	25°	282.9	153.5	81.2	54.2	36.1	19.6	6.0	0.0	0.0	0.0
854.6	27.5°	376.1	182.1	81.2	46.6	28.6	10.5	0.0	0.0	0.0	0.0
1164.6	30°	470.9	213.7	81.2	40.6	22.6	1.5	0.0	0.0	0.0	0.0
1433.9	32.5°	561.2	240.7	82.8	34.6	15.0	0.0	0.0	0.0	0.0	0.0
1807.0	35°	653.0	245.2	81.2	30.1	9.0	0.0	0.0	0.0	0.0	0.0
2264.4	37.5°	770.3	236.2	76.7	27.1	4.5	0.0	0.0	0.0	0.0	0.0
2979.1	40°	947.9	240.7	72.2	25.6	1.5	0.0	0.0	0.0	0.0	0.0
4253.5	42.5°	1275.9	260.3	66.2	25.6	0.0	0.0	0.0	0.0	0.0	0.0
6775.2	45°	2205.7	349.1	60.2	27.1	0.0	0.0	0.0	0.0	0.0	0.0
10171.0	47.5°	3648.6	627.4	58.7	27.1	0.0	0.0	0.0	0.0	0.0	0.0
12251.9	50°	4656.7	789.9	61.7	28.6	0.0	0.0	0.0	0.0	0.0	0.0
12512.2	52.5°	4649.2	880.2	64.7	30.1	6.0	0.0	0.0	0.0	0.0	0.0
11532.7	55°	4133.1	896.7	69.2	33.1	19.6	0.0	0.0	0.0	0.0	0.0
9910.7	57.5°	3454.5	818.5	79.7	40.6	36.1	0.0	0.0	0.0	0.0	0.0
9656.4	58°	3334.2	782.4	82.8	42.1	39.1	0.0	0.0	0.0	0.0	0.0
8376.0	60°	2732.3	637.9	105.3	52.7	52.7	0.0	0.0	0.0	0.0	0.0
6866.9	62.5°	1886.8	556.7	120.4	67.7	54.2	0.0	0.0	0.0	0.0	0.0
5062.9	65°	1334.6	502.5	130.9	72.2	43.6	0.0	0.0	0.0	0.0	0.0
3597.5	67.5°	997.5	463.4	144.4	73.7	22.6	0.0	0.0	0.0	0.0	0.0
2256.9	70°	764.3	434.8	177.5	78.2	6.0	0.0	0.0	0.0	0.0	0.0
1345.1	72.5°	622.9	401.7	215.2	81.2	0.0	0.0	0.0	0.0	0.0	0.0
806.5	75°	516.1	362.6	207.6	88.8	0.0	0.0	0.0	0.0	0.0	0.0
430.3	77.5°	343.0	281.4	189.6	88.8	0.0	0.0	0.0	0.0	0.0	0.0
153.5	80°	120.4	111.3	147.4	78.2	0.0	0.0	0.0	0.0	0.0	0.0
31.6	82.5°	18.1	15.0	21.1	27.1	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
87.3	0°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
61.7	2.5°	61.7	61.7	60.2	61.7	61.7	64.7	72.2	82.8	94.8	99.3
52.7	5°	51.2	49.7	48.1	48.1	48.1	52.7	58.7	70.7	84.3	90.3
43.6	7.5°	42.1	40.6	39.1	37.6	37.6	40.6	48.1	61.7	75.2	81.2
36.1	10°	34.6	31.6	30.1	28.6	28.6	31.6	39.1	52.7	67.7	73.7
30.1	12.5°	28.6	24.1	21.1	19.6	18.1	22.6	30.1	42.1	58.7	66.2
22.6	15°	19.6	15.0	10.5	9.0	7.5	12.0	19.6	33.1	49.7	58.7
12.0	17.5°	10.5	4.5	1.5	0.0	0.0	3.0	9.0	24.1	40.6	48.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	30.1	37.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	18.1	25.6
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	13.5
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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	4.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	12.0
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):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
87.3	0°	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
103.8	2.5°	106.8	105.3	102.3	99.3	99.3	99.3	103.8	108.3	112.8	112.8
93.3	5°	99.3	99.3	97.8	94.8	94.8	96.3	102.3	109.8	115.9	117.4
85.8	7.5°	91.8	94.8	91.8	90.3	91.8	93.3	99.3	108.3	117.4	120.4
79.7	10°	87.3	88.8	88.8	87.3	87.3	90.3	96.3	108.3	120.4	124.9
72.2	12.5°	81.2	84.3	82.8	82.8	82.8	85.8	93.3	106.8	123.4	129.4
64.7	15°	75.2	79.7	79.7	78.2	78.2	79.7	90.3	105.3	127.9	138.4
55.7	17.5°	69.2	73.7	75.2	72.2	72.2	75.2	85.8	105.3	130.9	149.0
45.1	20°	57.2	64.7	69.2	64.7	64.7	67.7	78.2	99.3	132.4	159.5
33.1	22.5°	45.1	52.7	58.7	57.2	57.2	58.7	72.2	94.8	133.9	177.5
19.6	25°	33.1	40.6	45.1	48.1	48.1	52.7	66.2	91.8	139.9	215.2
9.0	27.5°	19.6	28.6	34.6	37.6	39.1	45.1	61.7	88.8	150.5	269.3
0.0	30°	9.0	16.6	24.1	30.1	30.1	40.6	57.2	85.8	164.0	347.6
0.0	32.5°	0.0	7.5	12.0	21.1	22.6	33.1	52.7	82.8	183.6	422.8
0.0	35°	0.0	0.0	6.0	16.6	16.6	27.1	48.1	79.7	213.7	480.0
0.0	37.5°	0.0	0.0	0.0	12.0	13.5	24.1	46.6	78.2	219.7	484.5
0.0	40°	0.0	0.0	0.0	9.0	10.5	22.6	46.6	79.7	198.6	473.9
0.0	42.5°	0.0	0.0	0.0	6.0	7.5	22.6	46.6	82.8	179.0	486.0
0.0	45°	0.0	0.0	0.0	4.5	6.0	24.1	45.1	81.2	168.5	549.2
0.0	47.5°	0.0	0.0	0.0	6.0	9.0	24.1	43.6	79.7	170.0	758.3
0.0	50°	0.0	0.0	0.0	7.5	10.5	24.1	45.1	76.7	186.6	1166.1
0.0	52.5°	0.0	0.0	0.0	6.0	9.0	27.1	49.7	75.2	203.1	1516.6
0.0	55°	0.0	0.0	0.0	1.5	4.5	34.6	54.2	75.2	228.7	1603.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	39.1	61.7	79.7	270.8	1569.3
0.0	58°	0.0	0.0	0.0	0.0	0.0	39.1	63.2	79.7	273.8	1539.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	39.1	69.2	88.8	294.9	1370.7
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	33.1	82.8	111.3	306.9	1077.3
0.0	65°	0.0	0.0	0.0	0.0	0.0	27.1	97.8	121.9	316.0	857.6
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	25.6	100.8	123.4	320.5	683.1
0.0	70°	0.0	0.0	0.0	0.0	0.0	27.1	99.3	132.4	335.5	555.2
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	30.1	90.3	145.9	335.5	492.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	31.6	84.3	164.0	305.4	425.8
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	30.1	82.8	191.1	272.3	350.6
0.0	80°	3.0	4.5	4.5	3.0	3.0	25.6	81.2	194.1	231.7	240.7
1.5	82.5°	9.0	12.0	10.5	7.5	7.5	22.6	72.2	162.5	120.4	103.8
9.0	85°	16.6	19.6	19.6	16.6	16.6	21.1	45.1	58.7	40.6	33.1
16.6	87.5°	22.6	25.6	25.6	22.6	22.6	21.1	19.6	18.1	16.6	16.6
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: SP1-2407-184-4

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-730-U-5WQ

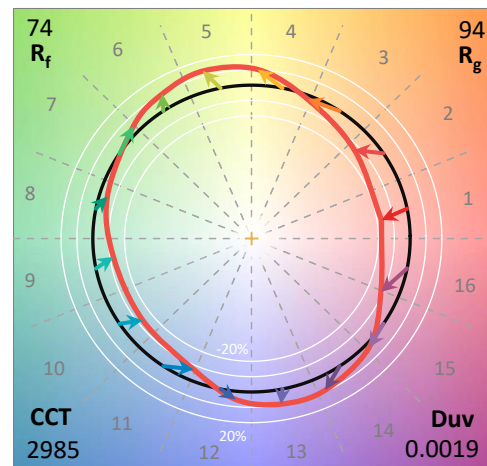
Data in this report applies to families of products including GSS-SB1A-730-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-4
 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-730-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K):	2985	CRI (Ra):	70.8		
CIE u':	0.2504	R1:	66.3	R9:	-43.2
CIE v':	0.5243	R2:	80.6	R10:	57.6
Duv:	0.0019	R3:	94.5	R11:	64.8
CIE x:	0.4408	R4:	68.2	R12:	53.5
CIE y:	0.4101	R5:	66.5	R13:	68.7
CIE z:	0.1491	R6:	74.7	R14:	97.0
Peak Wavelength (nm):	595	R7:	76.2	R15:	56.4
Dominant Wavelength (nm):	582	R8:	39.6		
Purity:	55.41818				
Rf:	73.8				
Rg:	94.4				



Test Conditions

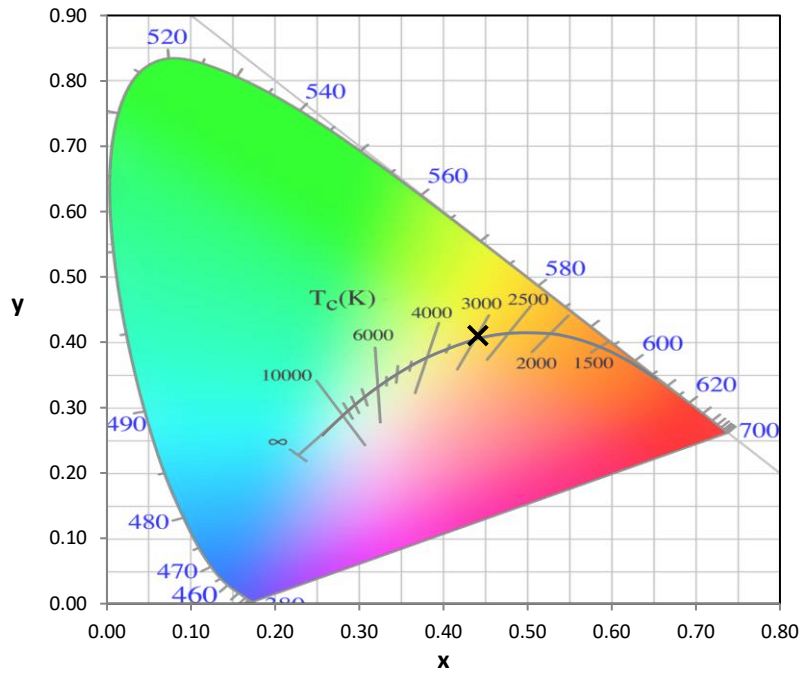
Stabilization Time: 36M
 Operation Time: 1H 36M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-4

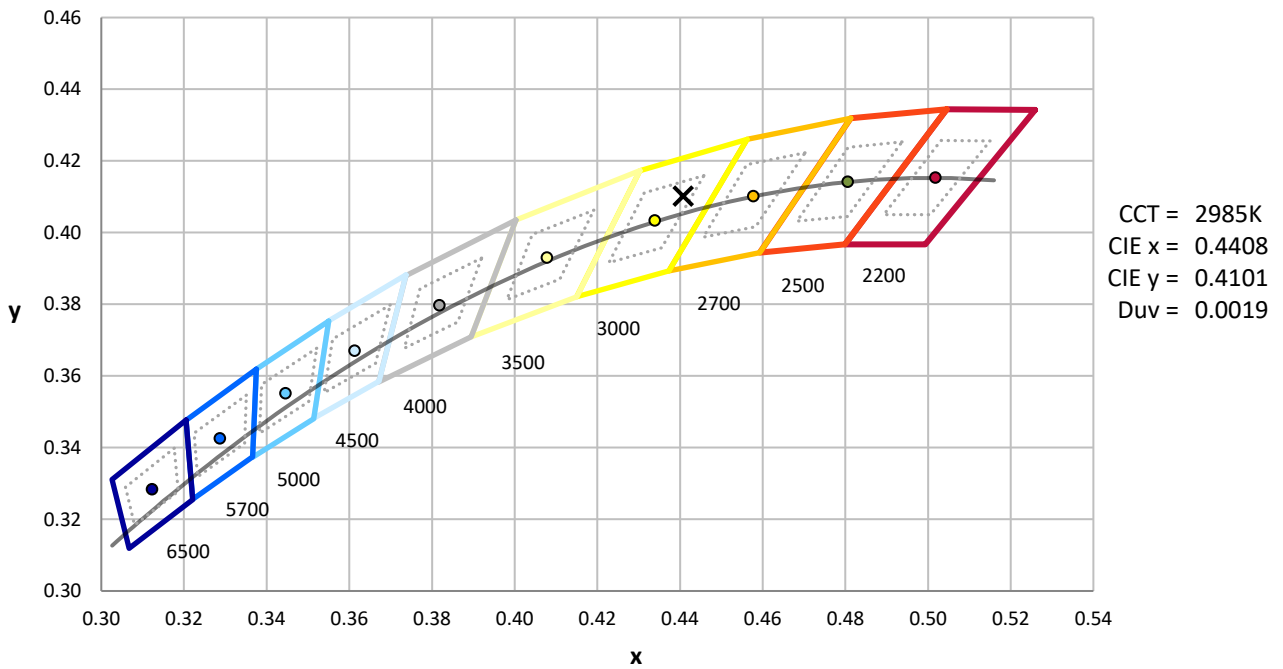
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

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CIE 1931 Chromaticity Diagram



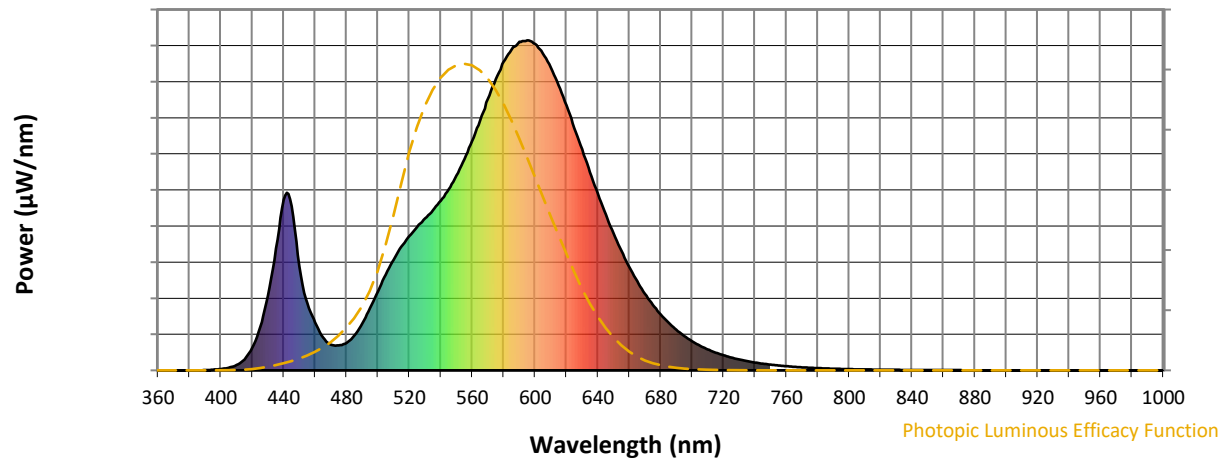
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-4

Photopic Flux vs. Wavelength

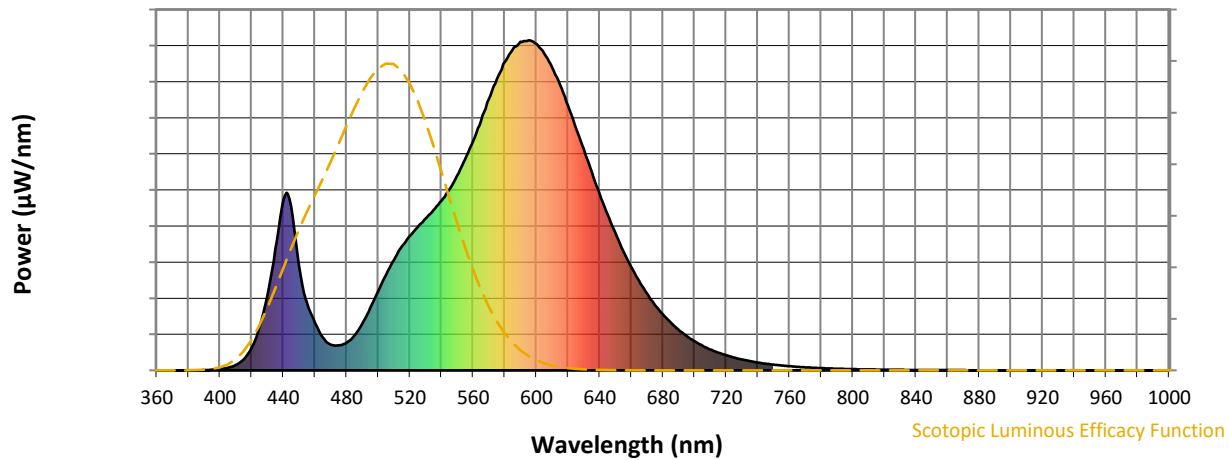


Photopic Lumens: NR

λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)	λ (nm)	Power W/nm	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-4

Scotopic Flux vs. Wavelength



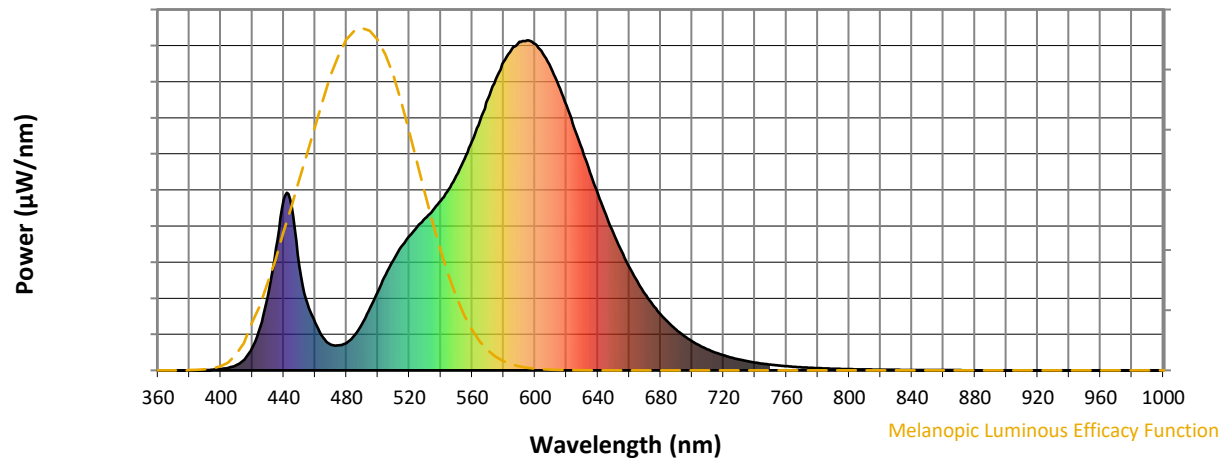
Scotopic Lumens: NR

S/P: 1.19

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	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.13

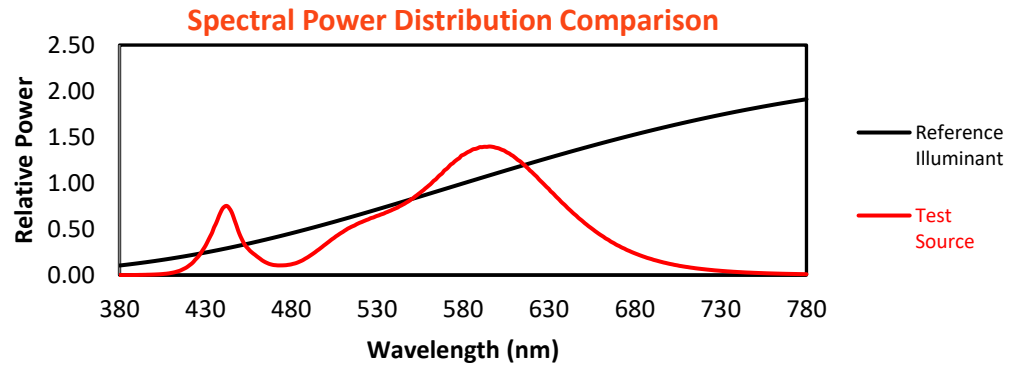
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	142	NR	620	803	NR	750	17	NR	880	0	NR
365	0	NR	495	189	NR	625	734	NR	755	15	NR	885	0	NR
370	0	NR	500	240	NR	630	670	NR	760	13	NR	890	0	NR
375	0	NR	505	290	NR	635	600	NR	765	11	NR	895	0	NR
380	0	NR	510	335	NR	640	535	NR	770	9	NR	900	0	NR
385	0	NR	515	375	NR	645	473	NR	775	8	NR	905	0	NR
390	1	NR	520	408	NR	650	415	NR	780	7	NR	910	0	NR
395	2	NR	525	434	NR	655	362	NR	785	6	NR	915	0	NR
400	4	NR	530	461	NR	660	313	NR	790	5	NR	920	0	NR
405	8	NR	535	486	NR	665	271	NR	795	4	NR	925	0	NR
410	16	NR	540	514	NR	670	231	NR	800	4	NR	930	0	NR
415	33	NR	545	549	NR	675	198	NR	805	3	NR	935	0	NR
420	69	NR	550	591	NR	680	169	NR	810	3	NR	940	0	NR
425	131	NR	555	640	NR	685	144	NR	815	2	NR	945	0	NR
430	227	NR	560	695	NR	690	123	NR	820	2	NR	950	0	NR
435	369	NR	565	757	NR	695	104	NR	825	2	NR	955	0	NR
440	517	NR	570	822	NR	700	88	NR	830	2	NR	960	0	NR
445	498	NR	575	882	NR	705	75	NR	835	1	NR	965	0	NR
450	315	NR	580	935	NR	710	63	NR	840	1	NR	970	0	NR
455	204	NR	585	972	NR	715	54	NR	845	1	NR	975	0	NR
460	145	NR	590	996	NR	720	46	NR	850	1	NR	980	0	NR
465	100	NR	595	1000	NR	725	39	NR	855	1	NR	985	0	NR
470	78	NR	600	989	NR	730	33	NR	860	1	NR	990	0	NR
475	76	NR	605	960	NR	735	28	NR	865	1	NR	995	0	NR
480	83	NR	610	918	NR	740	24	NR	870	1	NR	1000	0	NR
485	105	NR	615	864	NR	745	20	NR	875	1	NR			

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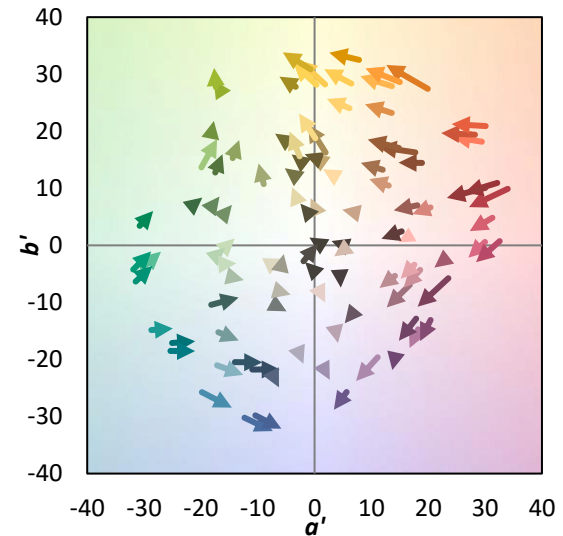
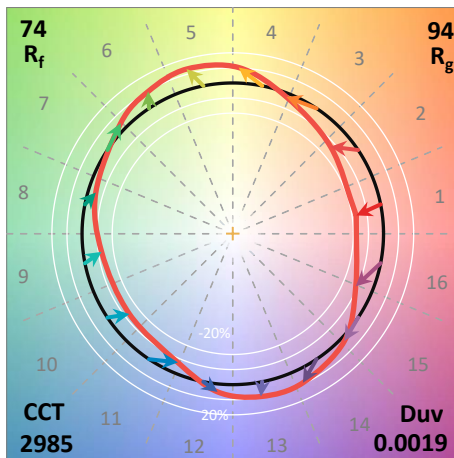
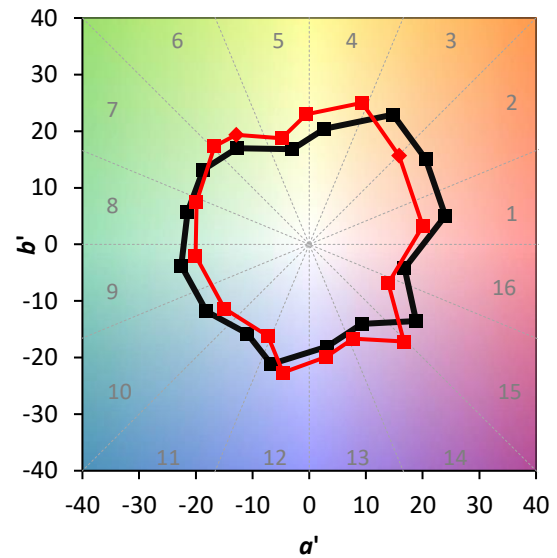
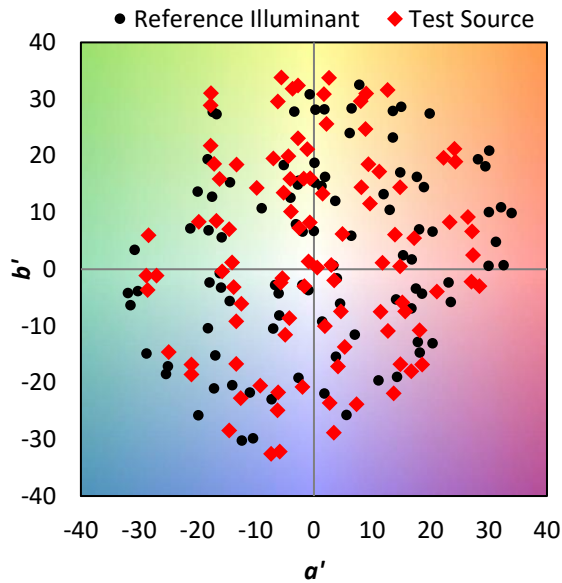
TM-30-18

Summary

$R_f = 73.8$
 $R_g = 94.4$
 $CIE\ R_a = 70.8$
 $R_g = -43.2$

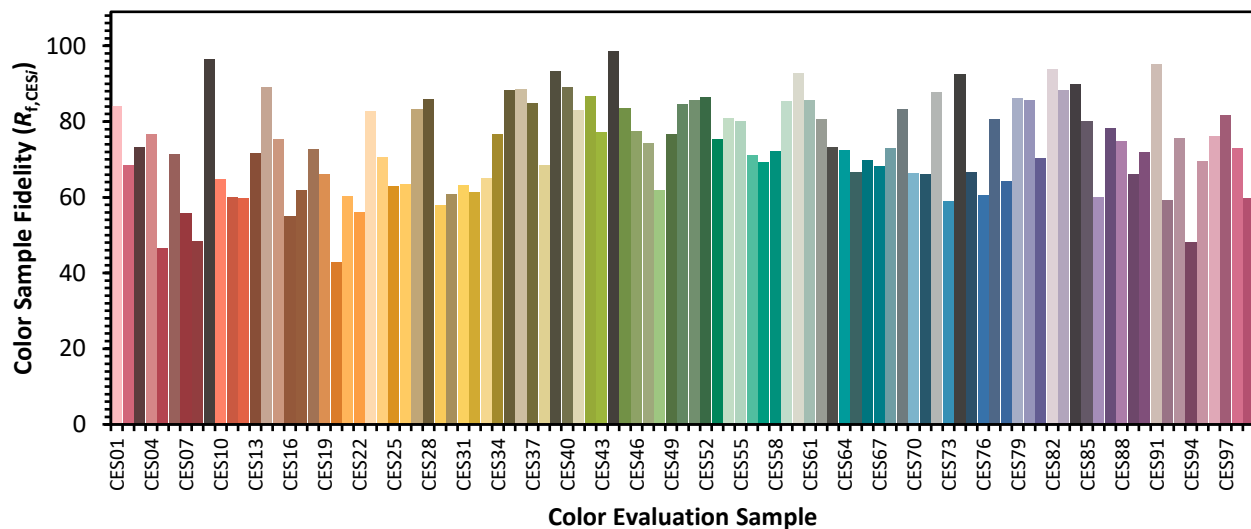


Color Vector Graphics

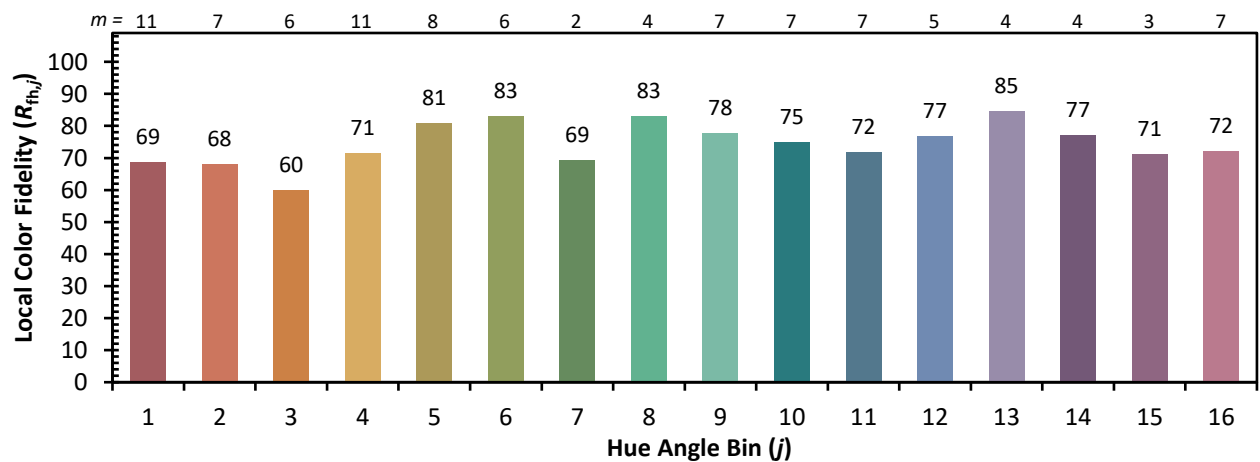
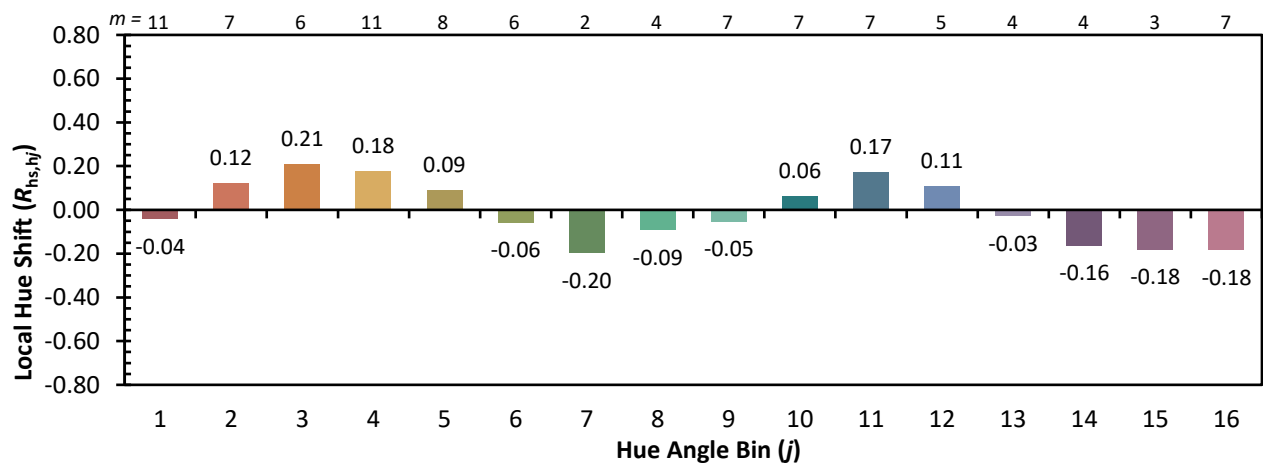
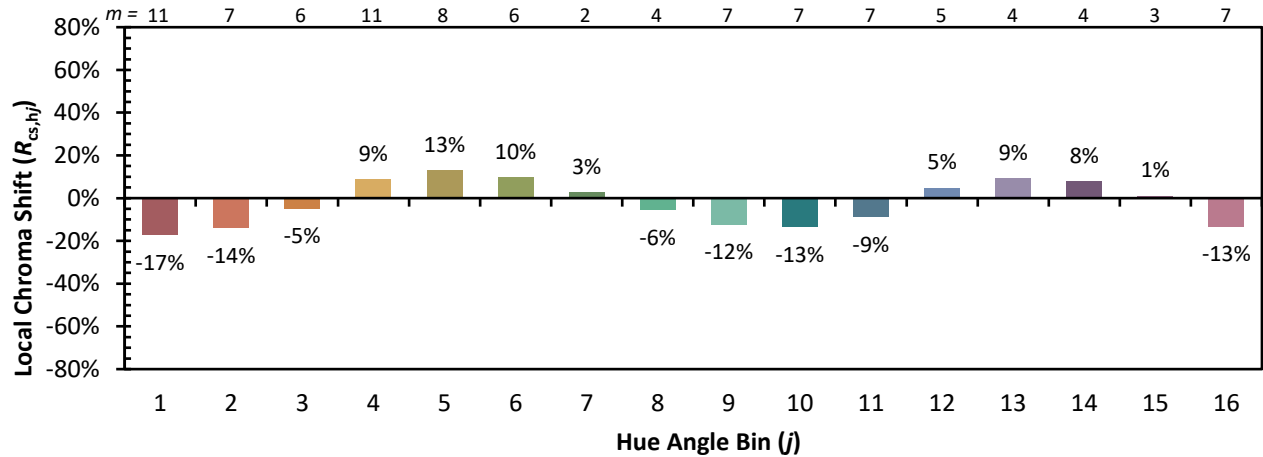


Individual Sample Fidelity Index ($R_{f,i}$)

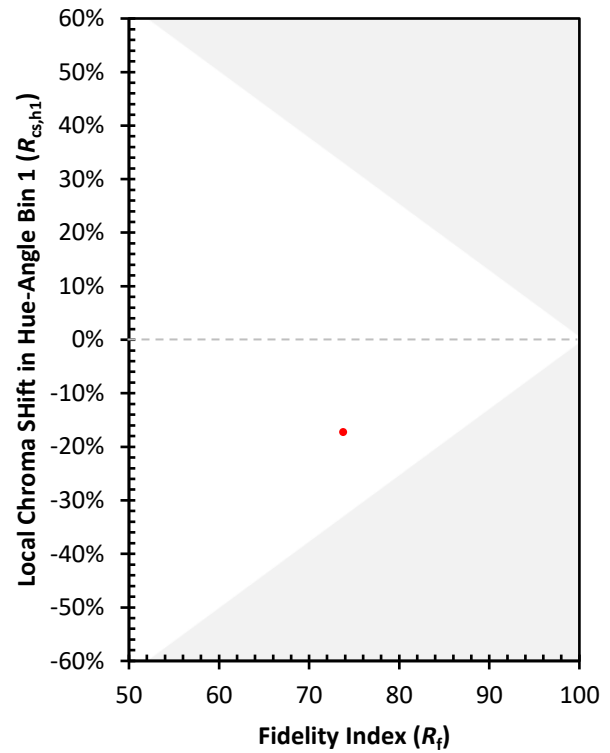
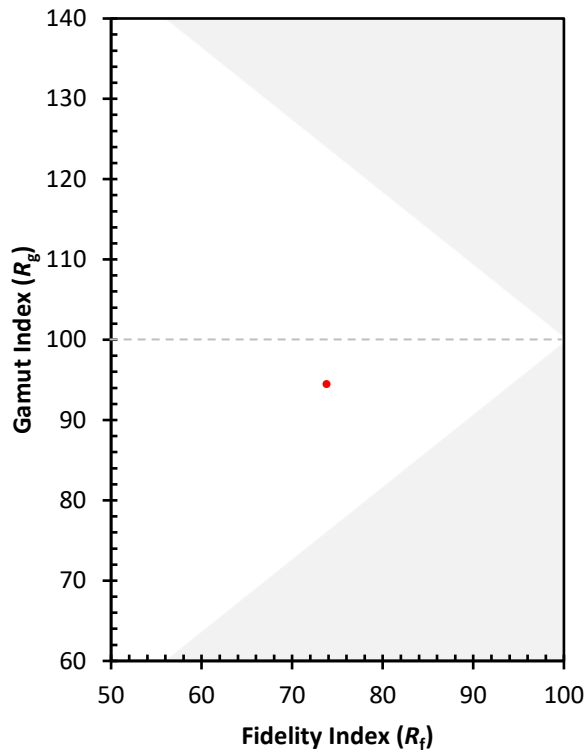
CES01 = 86	CES26 = 63	CES51 = 86	CES76 = 61
CES02 = 62	CES27 = 83	CES52 = 86	CES77 = 81
CES03 = 31	CES28 = 86	CES53 = 75	CES78 = 64
CES04 = 71	CES29 = 58	CES54 = 81	CES79 = 86
CES05 = 49	CES30 = 61	CES55 = 80	CES80 = 86
CES06 = 51	CES31 = 63	CES56 = 71	CES81 = 70
CES07 = 41	CES32 = 61	CES57 = 69	CES82 = 94
CES08 = 40	CES33 = 65	CES58 = 72	CES83 = 88
CES09 = 29	CES34 = 77	CES59 = 85	CES84 = 90
CES10 = 76	CES35 = 88	CES60 = 93	CES85 = 80
CES11 = 59	CES36 = 89	CES61 = 86	CES86 = 60
CES12 = 65	CES37 = 85	CES62 = 81	CES87 = 78
CES13 = 43	CES38 = 69	CES63 = 73	CES88 = 75
CES14 = 74	CES39 = 93	CES64 = 72	CES89 = 66
CES15 = 71	CES40 = 89	CES65 = 67	CES90 = 72
CES16 = 47	CES41 = 83	CES66 = 70	CES91 = 95
CES17 = 50	CES42 = 87	CES67 = 68	CES92 = 59
CES18 = 56	CES43 = 77	CES68 = 73	CES93 = 76
CES19 = 73	CES44 = 99	CES69 = 83	CES94 = 48
CES20 = 66	CES45 = 83	CES70 = 66	CES95 = 70
CES21 = 87	CES46 = 77	CES71 = 66	CES96 = 76
CES22 = 79	CES47 = 74	CES72 = 88	CES97 = 82
CES23 = 92	CES48 = 62	CES73 = 59	CES98 = 73
CES24 = 91	CES49 = 77	CES74 = 93	CES99 = 60
CES25 = 73	CES50 = 85	CES75 = 67	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)