

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: P1065114

Luminaire Tested: **GLAN-SA5B-740-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065114
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (70) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20308.9 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

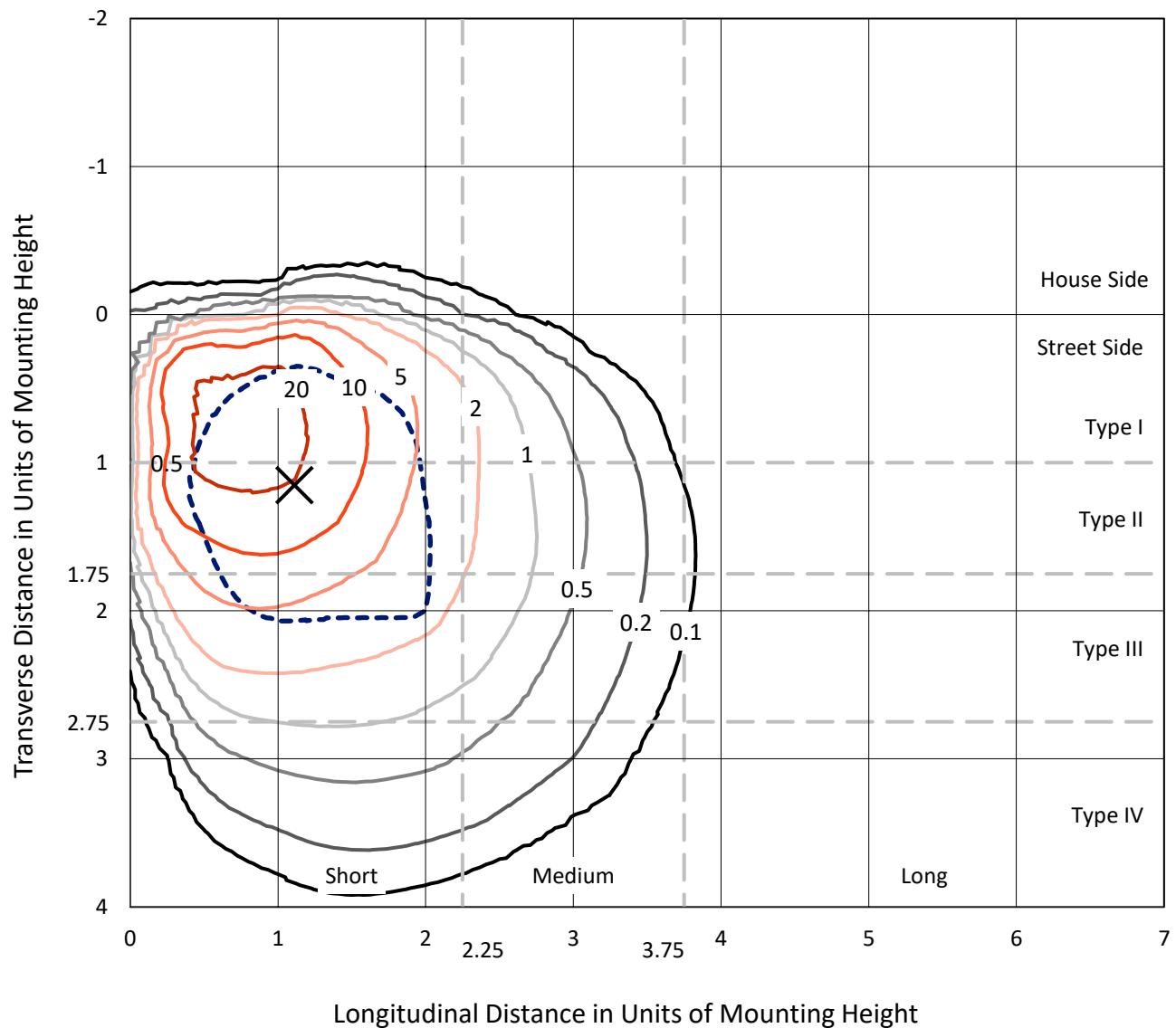
Input Watts (W): 178.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

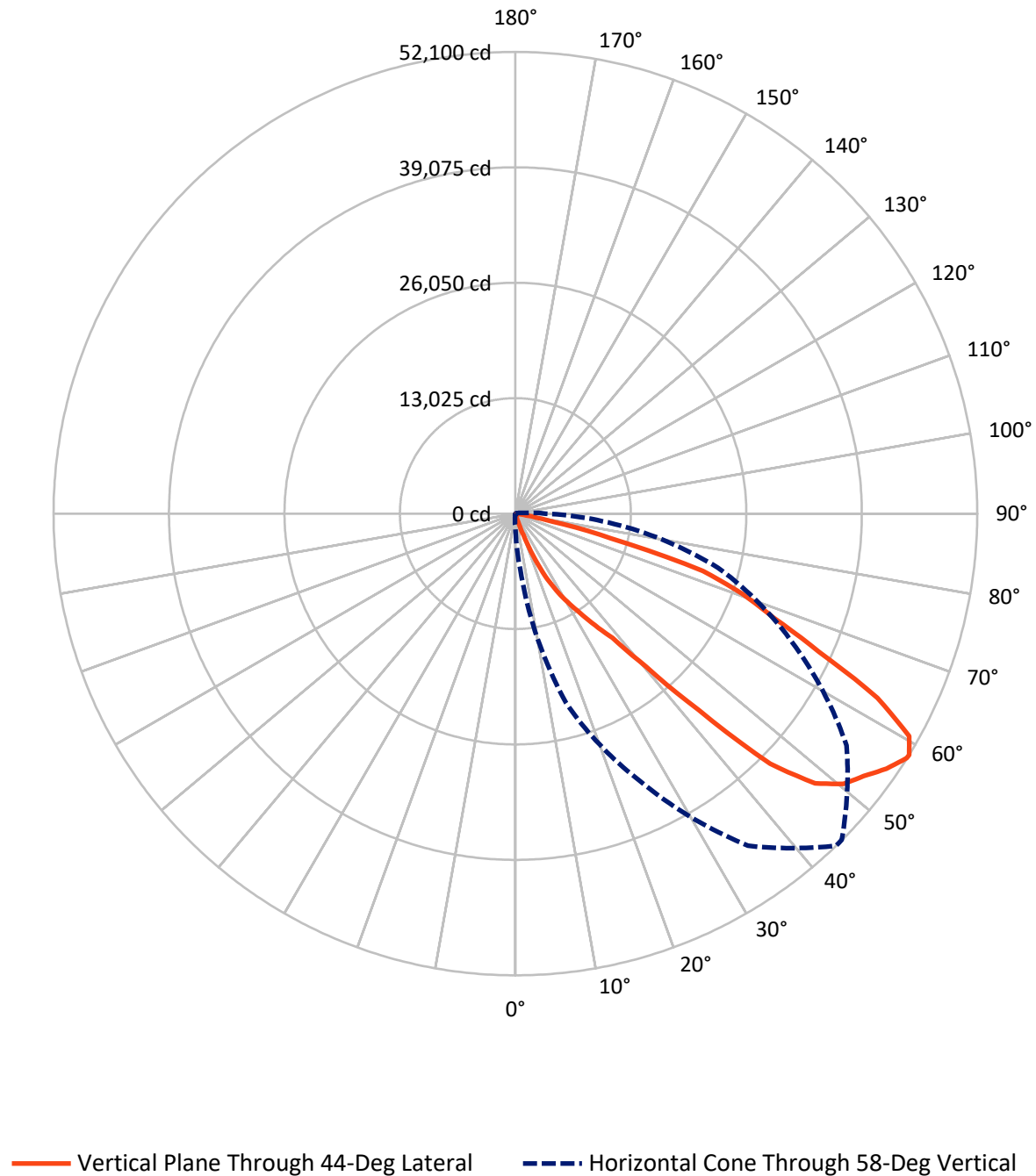
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 35.4 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	138.7	0.0	138.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	20170.2	0.0	20170.2
	% Fixture	99.3	0.0	99.3
Total	Lumens	20308.9	0.0	20308.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.0
10°-20°	44.5	0.2
20°-30°	481.1	2.4
30°-40°	1422.8	7.0
40°-50°	4240.8	20.9
50°-60°	6729.2	33.1
60°-70°	5612.9	27.6
70°-80°	1731.1	8.5
80°-90°	38.4	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°	20308.9	100.0
0°-180°	20308.9	100.0



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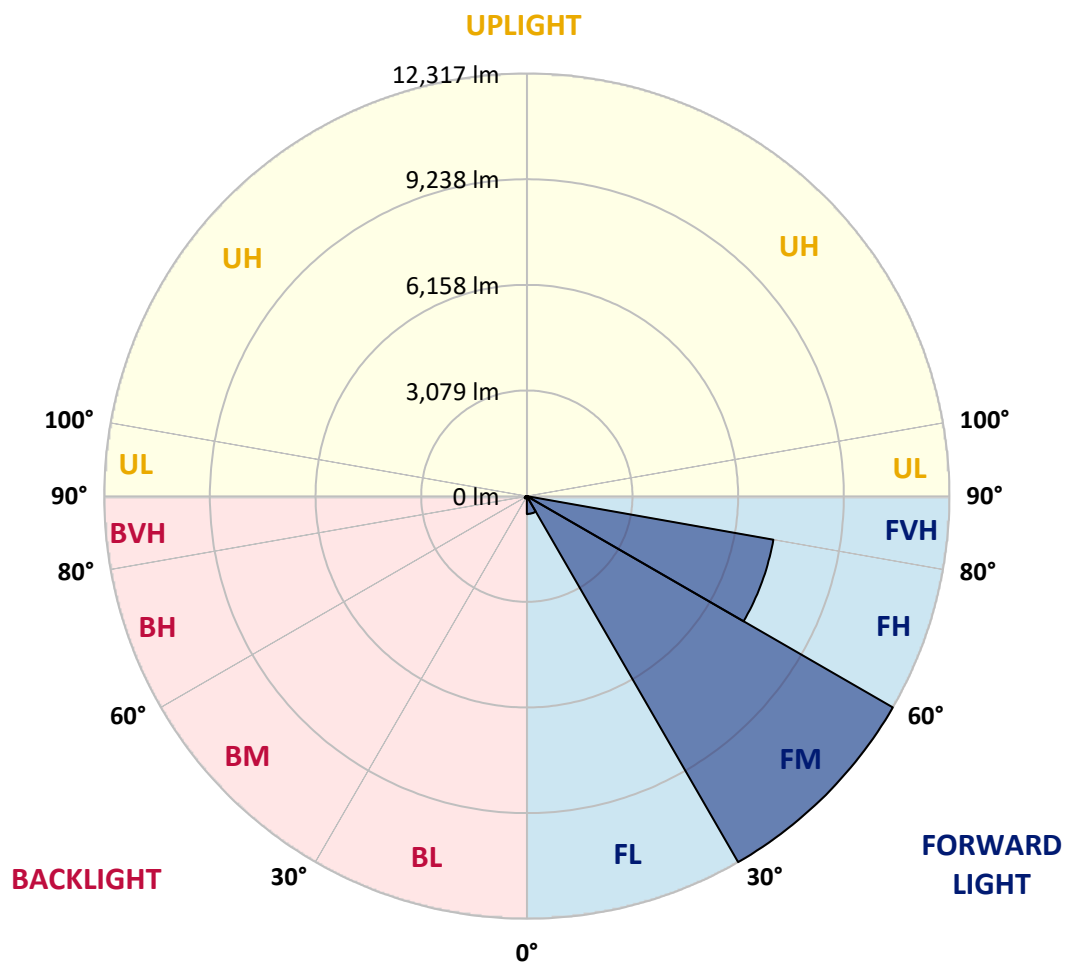
CATALOG NUMBER: GLAN-SA5B-740-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.0	2.6			
FM	(30°-60°)	12316.9	60.6			
FH	(60°-80°)	7296.7	35.9			G3/7500
FVH	(80°-90°)	36.6	0.2			G1/100
BL	(0°-30°)	13.6	0.1	B0/110		
BM	(30°-60°)	75.9	0.4	B0/220		
BH	(60°-80°)	47.3	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
2.5°	115.1	115.1	110.5	104.3	98.2	92.0	90.5	87.4	85.9	84.4
5°	119.7	119.7	118.1	113.5	107.4	102.8	102.8	98.2	95.1	92.0
7.5°	122.7	124.3	127.3	125.8	122.7	118.1	118.1	115.1	110.5	102.8
10°	127.3	131.9	138.1	141.1	142.7	142.7	141.1	139.6	131.9	121.2
12.5°	131.9	141.1	156.5	171.8	181.0	193.3	191.8	188.7	168.8	145.7
15°	141.1	155.0	187.2	231.7	300.7	343.7	360.5	345.2	279.2	196.4
17.5°	151.9	174.9	271.5	484.8	794.7	942.0	1031.0	958.9	635.1	372.8
20°	162.6	213.2	504.7	1256.5	2061.9	2543.6	2677.1	2468.5	1584.8	710.3
22.5°	181.0	299.2	1023.3	2597.3	4442.9	5165.5	5302.1	4634.7	2993.2	1402.2
25°	219.4	434.2	1764.3	4232.8	6630.7	7850.3	7793.6	6919.1	4855.6	2239.9
27.5°	274.6	632.1	2667.9	6013.9	8726.3	9801.8	9930.7	8849.1	6472.6	3293.9
30°	354.4	876.0	3637.5	7440.7	10406.2	11569.1	11590.6	10472.2	7919.4	4219.0
32.5°	431.1	1106.1	4485.9	8819.9	12061.6	13336.5	13431.6	12055.5	8999.4	5182.4
35°	489.4	1256.5	5345.0	10031.9	13730.8	15487.4	15481.3	13847.4	10278.9	6043.1
37.5°	494.0	1406.8	6122.9	11271.5	15844.9	17811.7	18006.5	16205.4	11825.3	7107.8
40°	483.3	1575.6	7107.8	13204.6	19654.2	22671.9	22843.7	20573.2	14927.4	8930.4
42.5°	495.5	1868.6	8706.4	16774.6	25979.6	30313.6	30645.0	28257.8	20629.9	12649.2
45°	560.0	2419.4	12055.5	22747.1	34995.8	40279.5	40169.0	36731.0	27265.2	18310.3
47.5°	773.2	3767.9	17020.0	28560.0	40758.2	45463.5	45558.6	41356.5	31137.4	22662.7
50°	1189.0	5765.4	21191.4	31633.0	43235.8	47956.5	47867.5	43011.9	32608.7	24805.9
52.5°	1546.4	7210.6	23284.0	32711.5	43553.4	49188.4	49182.3	43447.6	32837.3	24990.0
55°	1635.4	7319.5	23300.9	32769.8	44265.3	50800.8	51003.3	44519.9	33133.4	24186.1
57.5°	1600.1	6480.3	22328.2	33107.3	45532.5	52048.1	52058.8	45558.6	33885.1	23693.6
58°	1569.5	6348.4	22131.9	33299.1	45750.3	52100.3	52074.2	45606.1	34497.2	23675.2
60°	1397.6	5512.3	21366.3	33788.5	45426.6	51029.4	50785.5	44567.5	34406.7	23486.5
62.5°	1098.5	4300.3	20613.0	33222.3	41956.4	45845.5	45946.7	39457.2	31366.0	22386.5
65°	874.5	3204.9	19042.1	29141.5	34549.4	37648.4	38025.8	32085.5	26180.5	18956.1
67.5°	696.5	2316.6	15973.7	23201.2	27338.8	31421.2	31695.9	26938.4	20283.2	14523.9
70°	566.1	1566.4	11026.0	16967.9	22549.2	27139.4	27156.3	22378.9	15139.1	9516.4
72.5°	501.7	1084.7	6400.5	12374.6	18284.2	22115.0	21668.6	18159.9	11635.1	5636.5
75°	434.2	719.5	3138.9	7565.0	11085.9	11161.1	11331.3	8424.1	5816.0	2680.2
77.5°	357.5	510.9	1236.5	2066.5	3324.5	4255.8	4413.8	3344.5	1934.6	659.7
80°	245.5	242.4	332.9	633.6	951.2	1192.0	1112.3	860.7	506.3	253.1
82.5°	105.9	115.1	150.3	181.0	147.3	142.7	136.5	87.4	67.5	52.2
85°	33.8	30.7	32.2	32.2	26.1	19.9	19.9	9.2	0.0	0.0
87.5°	16.9	13.8	13.8	12.3	7.7	3.1	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°
89.0	0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
82.8	2.5°	81.3	81.3	78.2	75.2	73.6	70.6	69.0	67.5	66.0	64.4
89.0	5°	85.9	84.4	79.8	75.2	70.6	66.0	62.9	59.8	56.8	55.2
98.2	7.5°	93.6	90.5	81.3	73.6	67.5	61.4	58.3	53.7	50.6	46.0
108.9	10°	102.8	96.7	84.4	75.2	66.0	58.3	53.7	49.1	44.5	38.4
124.3	12.5°	115.1	104.3	89.0	73.6	62.9	53.7	49.1	43.0	38.4	33.8
144.2	15°	125.8	112.0	90.5	73.6	59.8	49.1	43.0	36.8	32.2	26.1
181.0	17.5°	141.1	118.1	89.0	69.0	55.2	43.0	36.8	32.2	24.5	15.3
268.5	20°	167.2	122.7	85.9	64.4	47.6	35.3	27.6	21.5	10.7	3.1
403.5	22.5°	208.6	135.0	82.8	58.3	41.4	27.6	18.4	7.7	0.0	0.0
613.7	25°	288.4	156.5	82.8	55.2	36.8	19.9	6.1	0.0	0.0	0.0
871.4	27.5°	383.5	185.6	82.8	47.6	29.1	10.7	0.0	0.0	0.0	0.0
1187.4	30°	480.2	217.9	82.8	41.4	23.0	1.5	0.0	0.0	0.0	0.0
1462.1	32.5°	572.2	245.5	84.4	35.3	15.3	0.0	0.0	0.0	0.0	0.0
1842.5	35°	665.8	250.1	82.8	30.7	9.2	0.0	0.0	0.0	0.0	0.0
2308.9	37.5°	785.5	240.9	78.2	27.6	4.6	0.0	0.0	0.0	0.0	0.0
3037.6	40°	966.5	245.5	73.6	26.1	1.5	0.0	0.0	0.0	0.0	0.0
4337.1	42.5°	1301.0	265.4	67.5	26.1	0.0	0.0	0.0	0.0	0.0	0.0
6908.3	45°	2249.1	355.9	61.4	27.6	0.0	0.0	0.0	0.0	0.0	0.0
10371.0	47.5°	3720.4	639.7	59.8	27.6	0.0	0.0	0.0	0.0	0.0	0.0
12492.7	50°	4748.2	805.4	62.9	29.1	0.0	0.0	0.0	0.0	0.0	0.0
12758.1	52.5°	4740.6	897.5	66.0	30.7	6.1	0.0	0.0	0.0	0.0	0.0
11759.4	55°	4214.4	914.4	70.6	33.8	19.9	0.0	0.0	0.0	0.0	0.0
10105.5	57.5°	3522.4	834.6	81.3	41.4	36.8	0.0	0.0	0.0	0.0	0.0
9846.3	58°	3399.7	797.8	84.4	43.0	39.9	0.0	0.0	0.0	0.0	0.0
8540.7	60°	2786.0	650.5	107.4	53.7	53.7	0.0	0.0	0.0	0.0	0.0
7001.9	62.5°	1923.8	567.6	122.7	69.0	55.2	0.0	0.0	0.0	0.0	0.0
5162.5	65°	1360.8	512.4	133.5	73.6	44.5	0.0	0.0	0.0	0.0	0.0
3668.2	67.5°	1017.2	472.5	147.3	75.2	23.0	0.0	0.0	0.0	0.0	0.0
2301.2	70°	779.4	443.4	181.0	79.8	6.1	0.0	0.0	0.0	0.0	0.0
1371.5	72.5°	635.1	409.6	219.4	82.8	0.0	0.0	0.0	0.0	0.0	0.0
822.3	75°	526.2	369.7	211.7	90.5	0.0	0.0	0.0	0.0	0.0	0.0
438.8	77.5°	349.8	286.9	193.3	90.5	0.0	0.0	0.0	0.0	0.0	0.0
156.5	80°	122.7	113.5	150.3	79.8	0.0	0.0	0.0	0.0	0.0	0.0
32.2	82.5°	18.4	15.3	21.5	27.6	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°
89.0	0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
62.9	2.5°	62.9	62.9	61.4	62.9	62.9	66.0	73.6	84.4	96.7	101.3
53.7	5°	52.2	50.6	49.1	49.1	49.1	53.7	59.8	72.1	85.9	92.0
44.5	7.5°	43.0	41.4	39.9	38.4	38.4	41.4	49.1	62.9	76.7	82.8
36.8	10°	35.3	32.2	30.7	29.1	29.1	32.2	39.9	53.7	69.0	75.2
30.7	12.5°	29.1	24.5	21.5	19.9	18.4	23.0	30.7	43.0	59.8	67.5
23.0	15°	19.9	15.3	10.7	9.2	7.7	12.3	19.9	33.8	50.6	59.8
12.3	17.5°	10.7	4.6	1.5	0.0	0.0	3.1	9.2	24.5	41.4	49.1
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.3	30.7	38.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	18.4	26.1
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	13.8
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	4.6
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	12.3
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°
89.0	0°	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
105.9	2.5°	108.9	107.4	104.3	101.3	101.3	101.3	105.9	110.5	115.1	115.1
95.1	5°	101.3	101.3	99.7	96.7	96.7	98.2	104.3	112.0	118.1	119.7
87.4	7.5°	93.6	96.7	93.6	92.0	93.6	95.1	101.3	110.5	119.7	122.7
81.3	10°	89.0	90.5	90.5	89.0	89.0	92.0	98.2	110.5	122.7	127.3
73.6	12.5°	82.8	85.9	84.4	84.4	84.4	87.4	95.1	108.9	125.8	131.9
66.0	15°	76.7	81.3	81.3	79.8	79.8	81.3	92.0	107.4	130.4	141.1
56.8	17.5°	70.6	75.2	76.7	73.6	73.6	76.7	87.4	107.4	133.5	151.9
46.0	20°	58.3	66.0	70.6	66.0	66.0	69.0	79.8	101.3	135.0	162.6
33.8	22.5°	46.0	53.7	59.8	58.3	58.3	59.8	73.6	96.7	136.5	181.0
19.9	25°	33.8	41.4	46.0	49.1	49.1	53.7	67.5	93.6	142.7	219.4
9.2	27.5°	19.9	29.1	35.3	38.4	39.9	46.0	62.9	90.5	153.4	274.6
0.0	30°	9.2	16.9	24.5	30.7	30.7	41.4	58.3	87.4	167.2	354.4
0.0	32.5°	0.0	7.7	12.3	21.5	23.0	33.8	53.7	84.4	187.2	431.1
0.0	35°	0.0	0.0	6.1	16.9	16.9	27.6	49.1	81.3	217.9	489.4
0.0	37.5°	0.0	0.0	0.0	12.3	13.8	24.5	47.6	79.8	224.0	494.0
0.0	40°	0.0	0.0	0.0	9.2	10.7	23.0	47.6	81.3	202.5	483.3
0.0	42.5°	0.0	0.0	0.0	6.1	7.7	23.0	47.6	84.4	182.6	495.5
0.0	45°	0.0	0.0	0.0	4.6	6.1	24.5	46.0	82.8	171.8	560.0
0.0	47.5°	0.0	0.0	0.0	6.1	9.2	24.5	44.5	81.3	173.4	773.2
0.0	50°	0.0	0.0	0.0	7.7	10.7	24.5	46.0	78.2	190.2	1189.0
0.0	52.5°	0.0	0.0	0.0	6.1	9.2	27.6	50.6	76.7	207.1	1546.4
0.0	55°	0.0	0.0	0.0	1.5	4.6	35.3	55.2	76.7	233.2	1635.4
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	39.9	62.9	81.3	276.1	1600.1
0.0	58°	0.0	0.0	0.0	0.0	0.0	39.9	64.4	81.3	279.2	1569.5
0.0	60°	0.0	0.0	0.0	0.0	0.0	39.9	70.6	90.5	300.7	1397.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	33.8	84.4	113.5	313.0	1098.5
0.0	65°	0.0	0.0	0.0	0.0	0.0	27.6	99.7	124.3	322.2	874.5
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	26.1	102.8	125.8	326.8	696.5
0.0	70°	0.0	0.0	0.0	0.0	0.0	27.6	101.3	135.0	342.1	566.1
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	30.7	92.0	148.8	342.1	501.7
0.0	75°	0.0	0.0	0.0	0.0	0.0	32.2	85.9	167.2	311.4	434.2
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	30.7	84.4	194.8	277.7	357.5
0.0	80°	3.1	4.6	4.6	3.1	3.1	26.1	82.8	197.9	236.3	245.5
1.5	82.5°	9.2	12.3	10.7	7.7	7.7	23.0	73.6	165.7	122.7	105.9
9.2	85°	16.9	19.9	19.9	16.9	16.9	21.5	46.0	59.8	41.4	33.8
16.9	87.5°	23.0	26.1	26.1	23.0	23.0	21.5	19.9	18.4	16.9	16.9
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: SP1-2407-184-1

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-740-U-5WQ

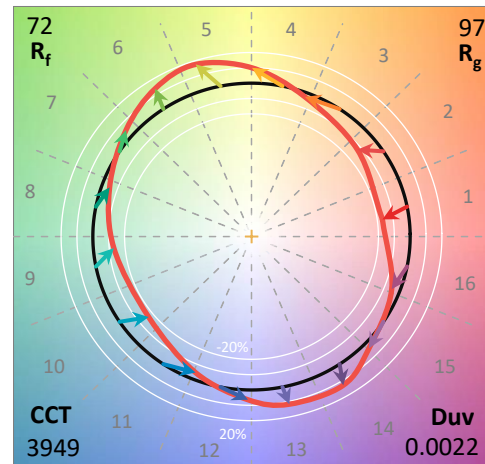
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-1
 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-740-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 4000K CCT 26 LEDS

Spectral Parameters

CCT (K):	3949	CRI (Ra):	70.7		
CIE u':	0.2248	R1:	68.0	R9:	-36.7
CIE v':	0.5053	R2:	76.0	R10:	45.1
Duv:	0.0022	R3:	84.3	R11:	70.7
CIE x:	0.3844	R4:	72.0	R12:	47.1
CIE y:	0.3840	R5:	68.6	R13:	68.5
CIE z:	0.2316	R6:	68.3	R14:	91.1
Peak Wavelength (nm):	440	R7:	77.9	R15:	58.7
Dominant Wavelength (nm):	578	R8:	50.3		
Purity:	30.60026				
Rf:	71.8				
Rg:	96.5				



Test Conditions

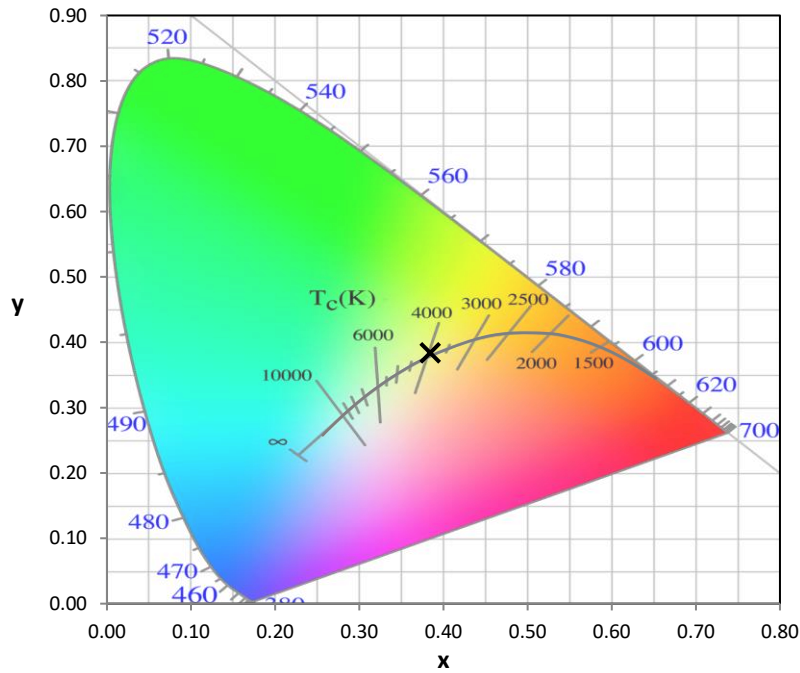
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

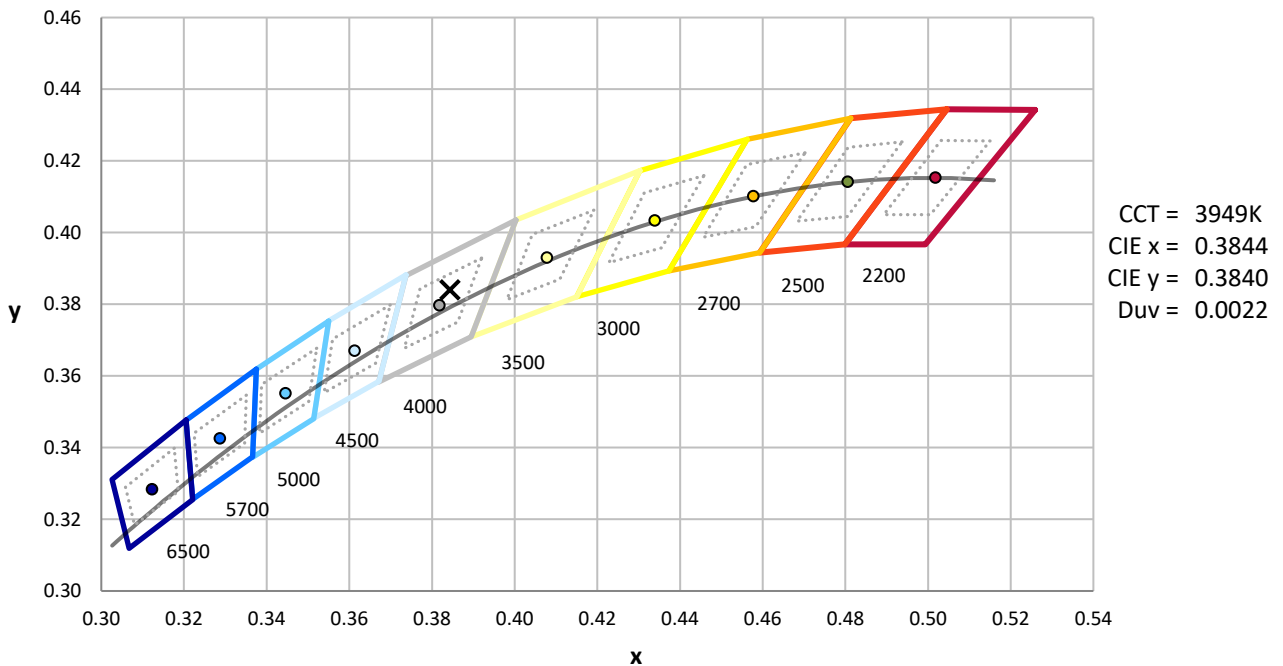
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-1

CIE 1931 Chromaticity Diagram



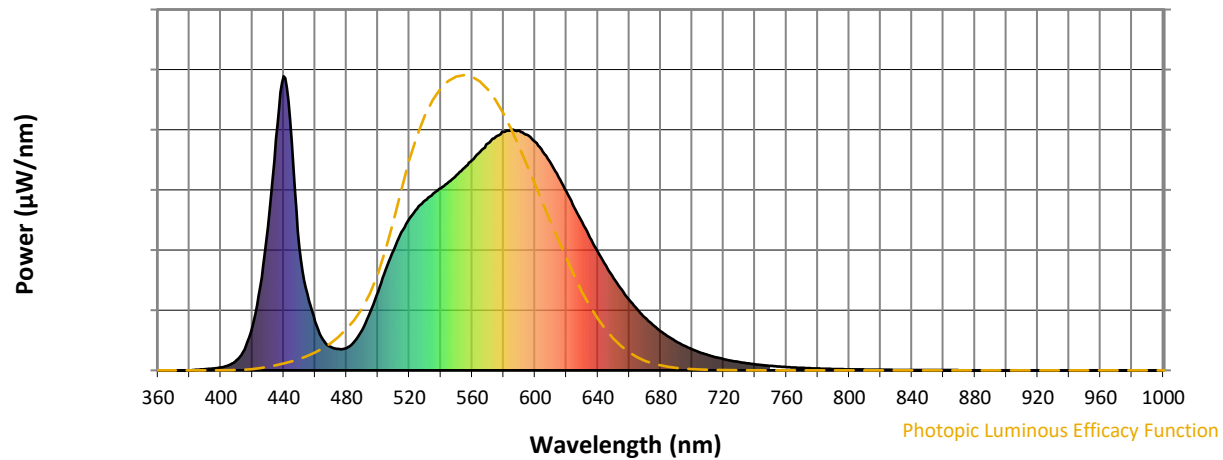
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

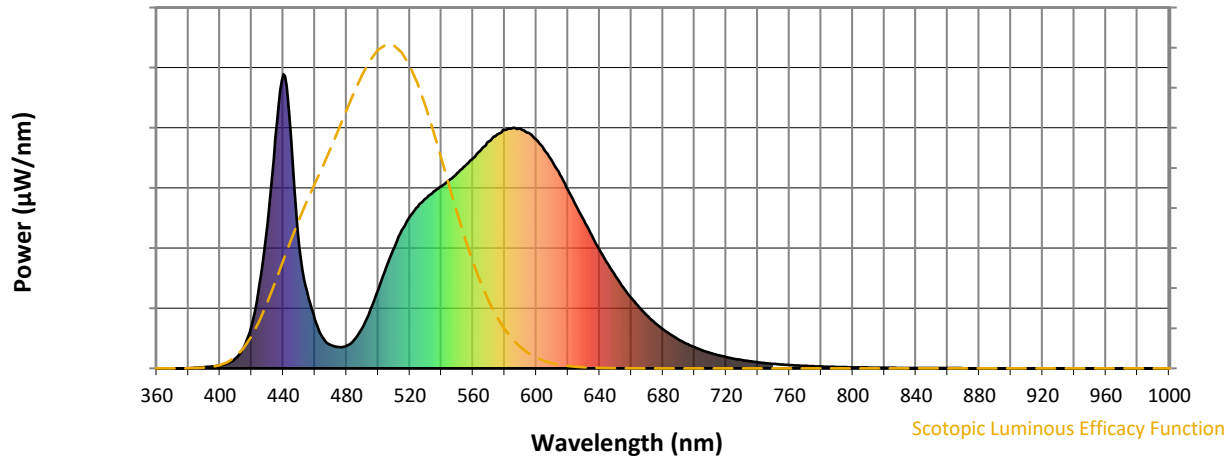


Photopic Lumens: NR

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



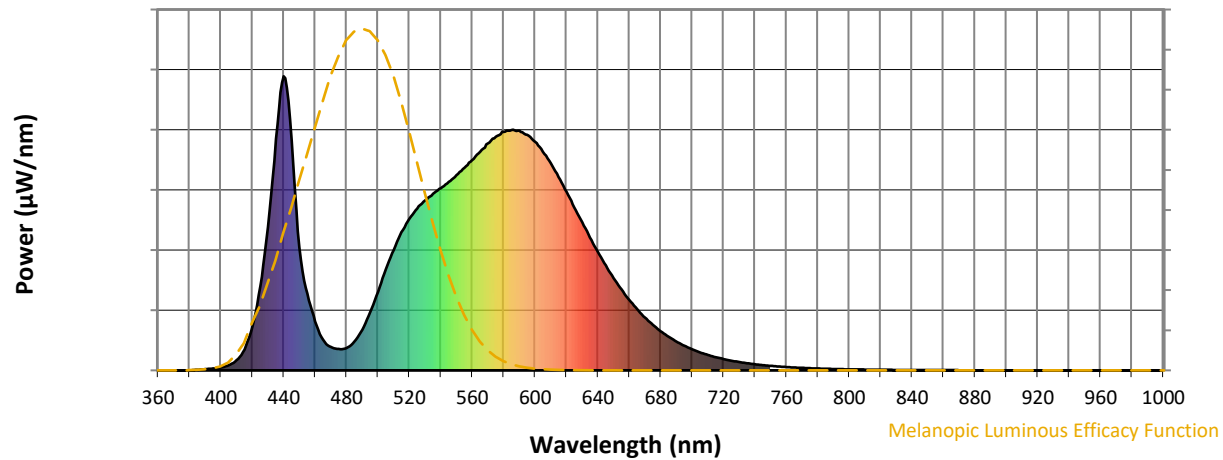
Scotopic Lumens: NR

S/P: 1.47

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	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

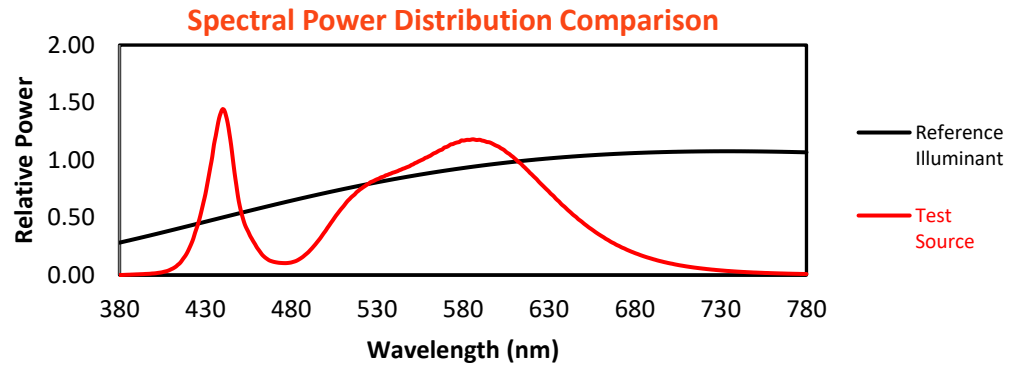
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	504	NR	760	11	NR	890	0	NR
375	0	NR	505	343	NR	635	452	NR	765	10	NR	895	0	NR
380	0	NR	510	410	NR	640	403	NR	770	8	NR	900	0	NR
385	2	NR	515	470	NR	645	357	NR	775	7	NR	905	0	NR
390	4	NR	520	516	NR	650	314	NR	780	6	NR	910	0	NR
395	7	NR	525	550	NR	655	275	NR	785	5	NR	915	0	NR
400	10	NR	530	578	NR	660	240	NR	790	5	NR	920	0	NR
405	17	NR	535	601	NR	665	208	NR	795	4	NR	925	0	NR
410	35	NR	540	620	NR	670	179	NR	800	4	NR	930	0	NR
415	70	NR	545	641	NR	675	155	NR	805	3	NR	935	0	NR
420	147	NR	550	664	NR	680	133	NR	810	3	NR	940	0	NR
425	285	NR	555	689	NR	685	114	NR	815	2	NR	945	0	NR
430	487	NR	560	715	NR	690	98	NR	820	2	NR	950	0	NR
435	787	NR	565	743	NR	695	84	NR	825	2	NR	955	0	NR
440	1000	NR	570	771	NR	700	72	NR	830	2	NR	960	0	NR
445	783	NR	575	794	NR	705	61	NR	835	1	NR	965	0	NR
450	417	NR	580	811	NR	710	52	NR	840	1	NR	970	0	NR
455	261	NR	585	817	NR	715	45	NR	845	1	NR	975	0	NR
460	167	NR	590	815	NR	720	39	NR	850	1	NR	980	0	NR
465	104	NR	595	801	NR	725	33	NR	855	1	NR	985	0	NR
470	79	NR	600	777	NR	730	28	NR	860	1	NR	990	0	NR
475	73	NR	605	744	NR	735	24	NR	865	1	NR	995	0	NR
480	76	NR	610	704	NR	740	21	NR	870	1	NR	1000	0	NR
485	98	NR	615	657	NR	745	18	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-1

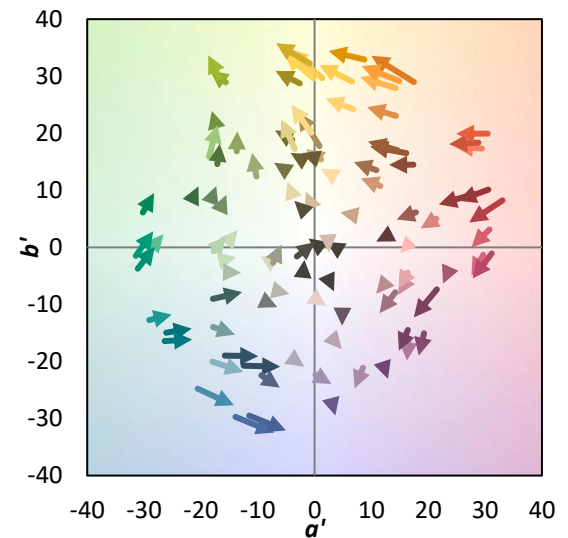
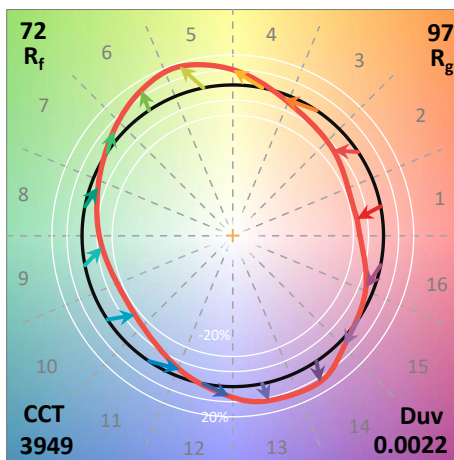
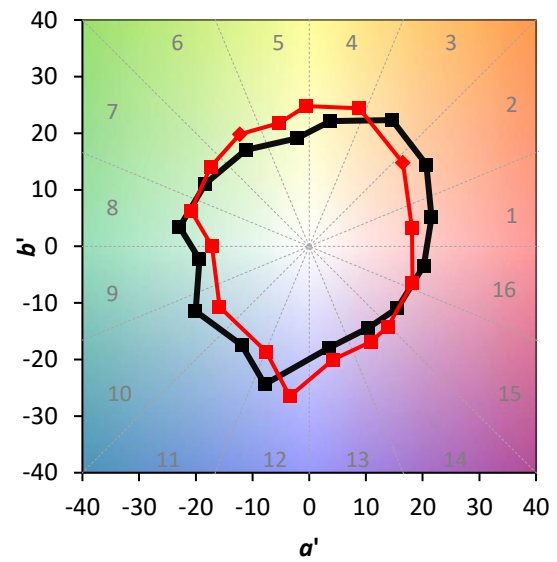
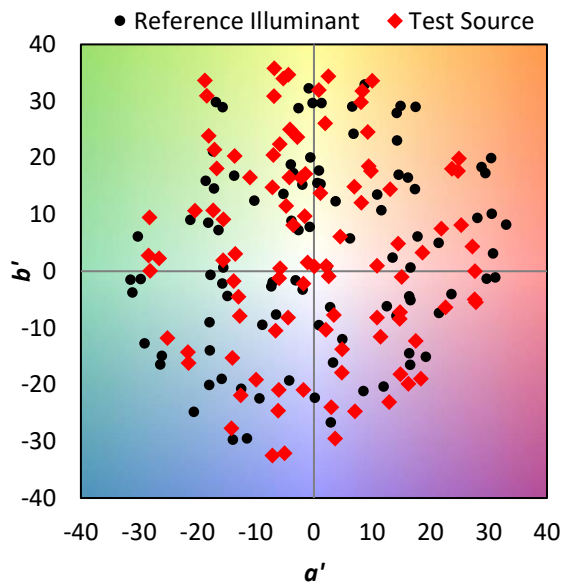
TM-30-18

Summary

$R_f = 71.8$
 $R_g = 96.5$
 $CIE R_a = 70.7$
 $R_g = -36.7$

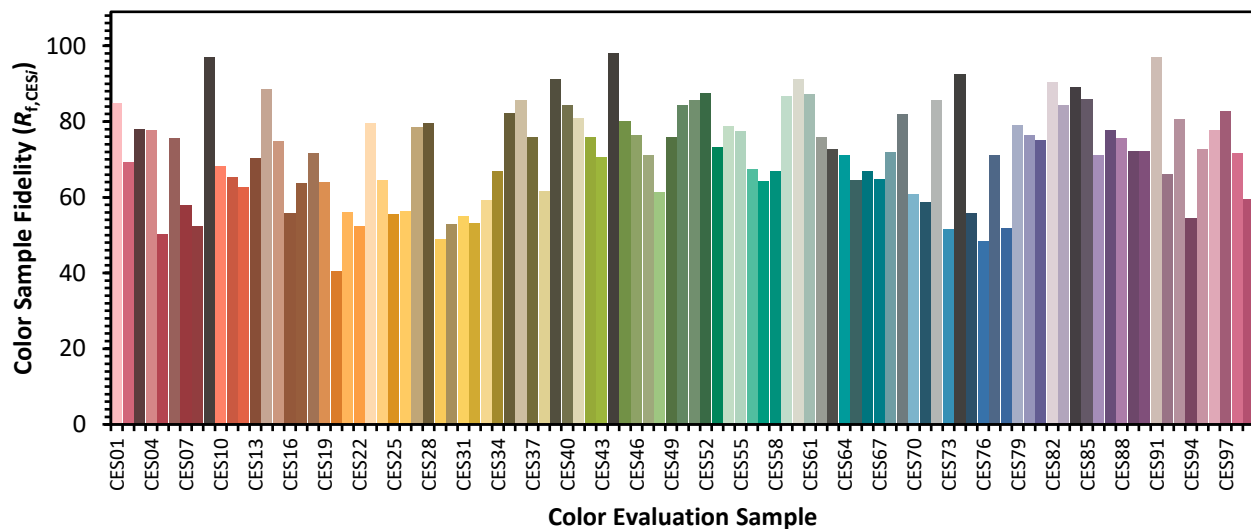


Color Vector Graphics

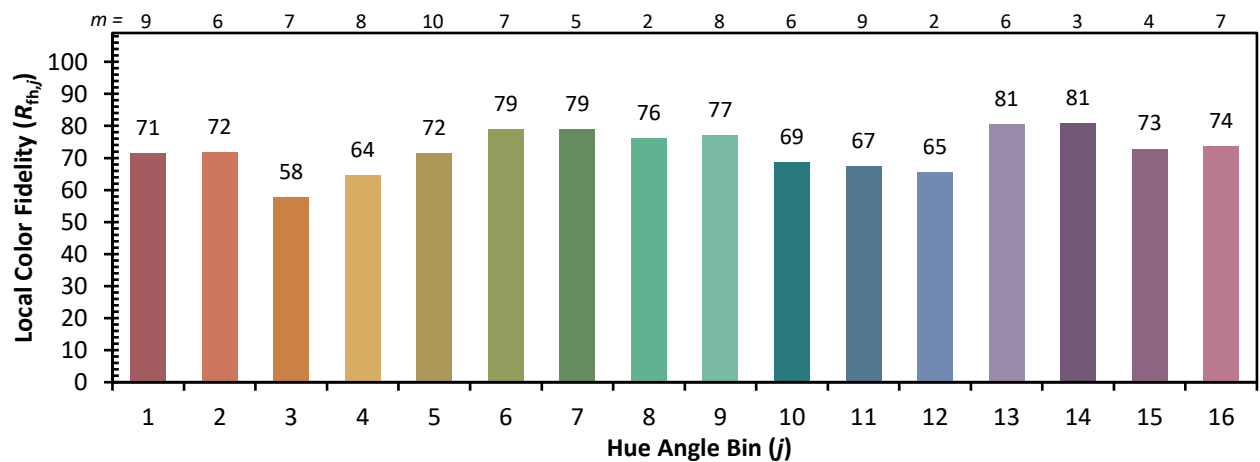
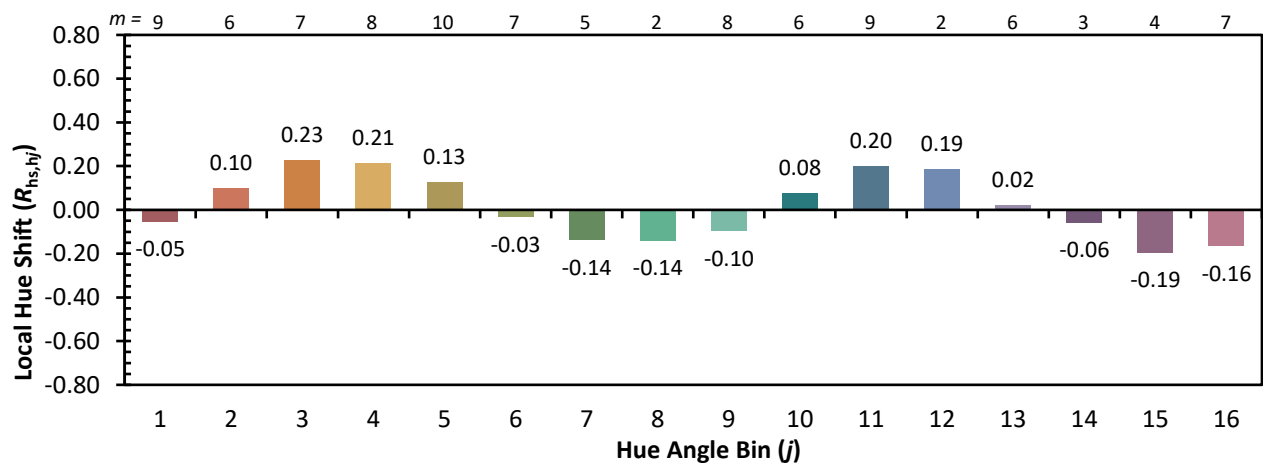
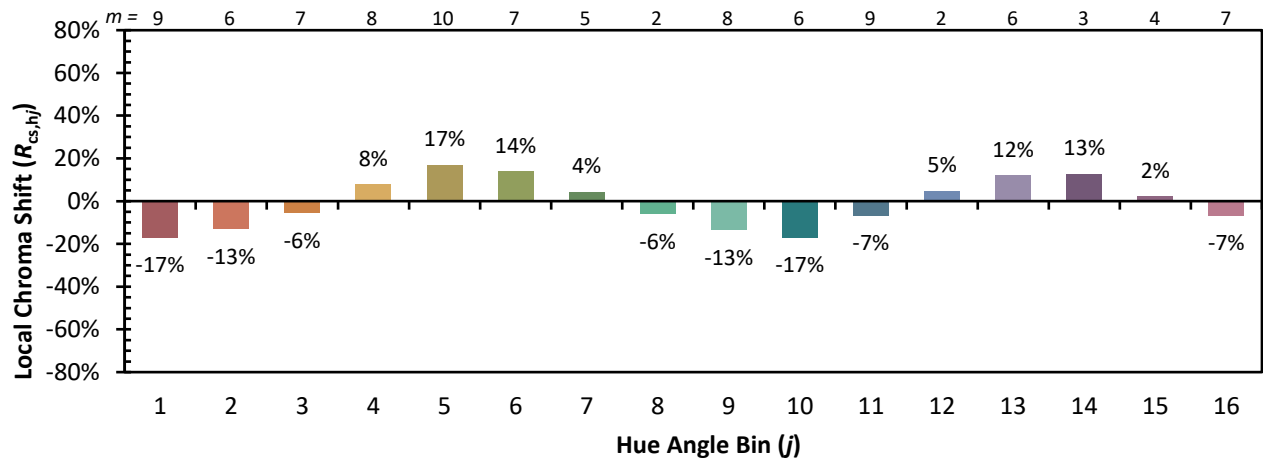


Individual Sample Fidelity Index ($R_{f,i}$)

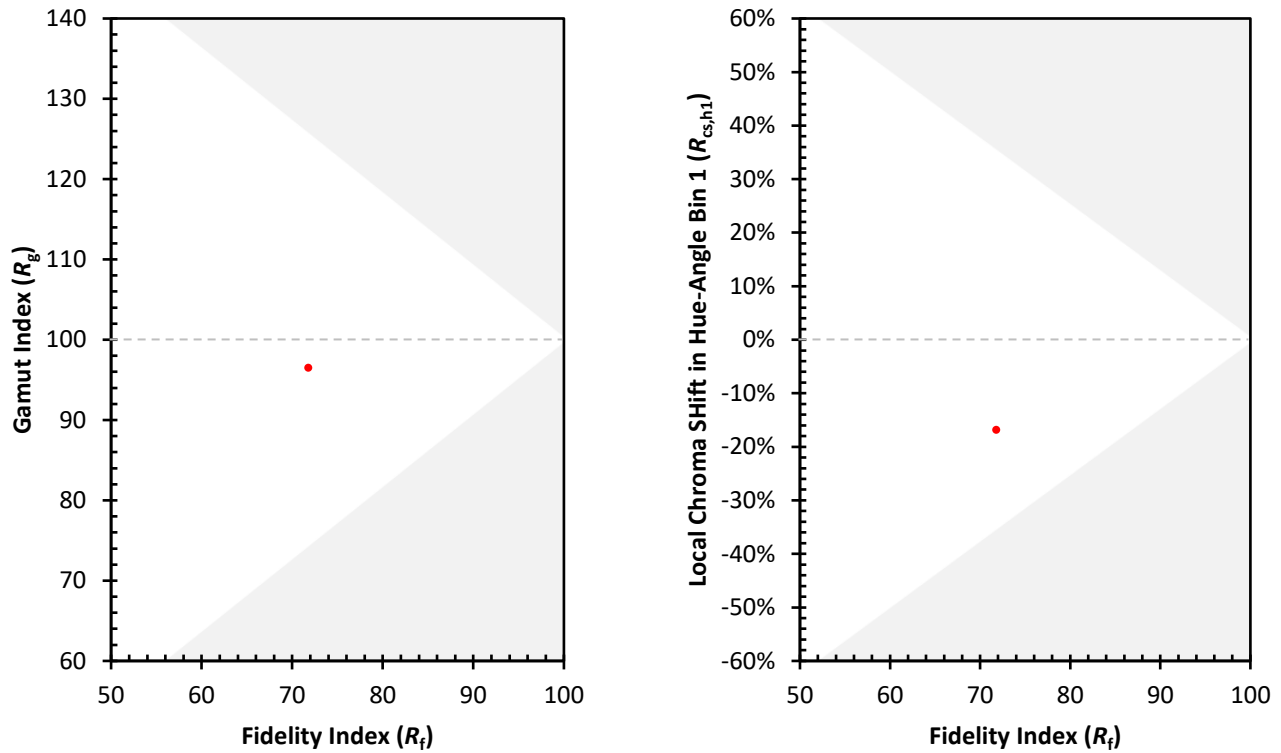
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 90
CES08 = 39	CES33 = 59	CES58 = 67	CES83 = 84
CES09 = 29	CES34 = 67	CES59 = 87	CES84 = 89
CES10 = 74	CES35 = 82	CES60 = 91	CES85 = 86
CES11 = 57	CES36 = 86	CES61 = 87	CES86 = 71
CES12 = 63	CES37 = 76	CES62 = 76	CES87 = 78
CES13 = 42	CES38 = 62	CES63 = 73	CES88 = 76
CES14 = 74	CES39 = 91	CES64 = 71	CES89 = 72
CES15 = 71	CES40 = 84	CES65 = 64	CES90 = 72
CES16 = 46	CES41 = 81	CES66 = 67	CES91 = 97
CES17 = 49	CES42 = 76	CES67 = 65	CES92 = 66
CES18 = 56	CES43 = 71	CES68 = 72	CES93 = 81
CES19 = 72	CES44 = 98	CES69 = 82	CES94 = 55
CES20 = 65	CES45 = 80	CES70 = 61	CES95 = 73
CES21 = 86	CES46 = 76	CES71 = 59	CES96 = 78
CES22 = 78	CES47 = 71	CES72 = 86	CES97 = 83
CES23 = 92	CES48 = 61	CES73 = 52	CES98 = 72
CES24 = 91	CES49 = 76	CES74 = 93	CES99 = 60
CES25 = 72	CES50 = 84	CES75 = 56	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)