

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: P1065097

Luminaire Tested: **GLAN-SA1A-740-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065097
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3326.8 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

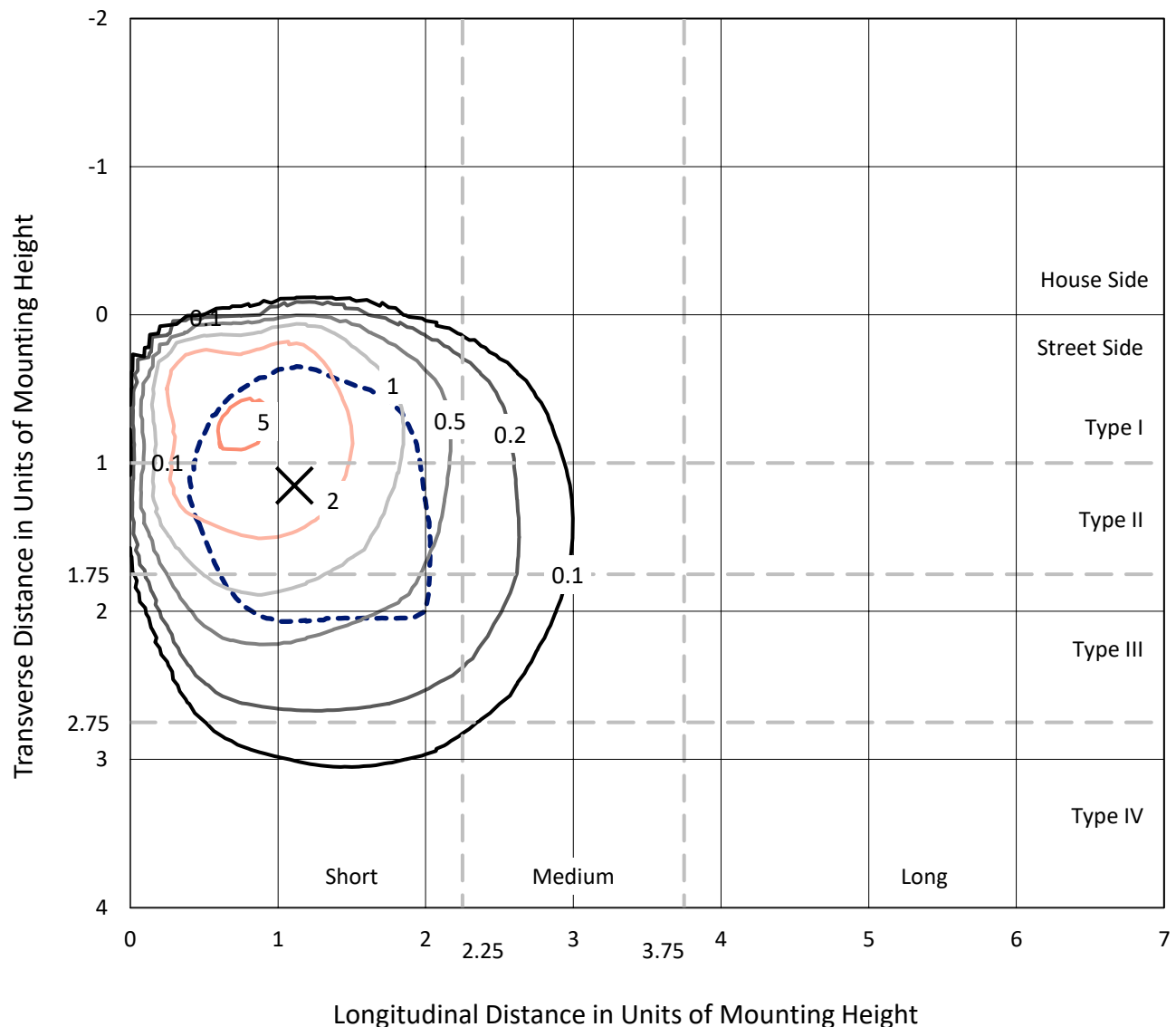
Input Watts (W): 29
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

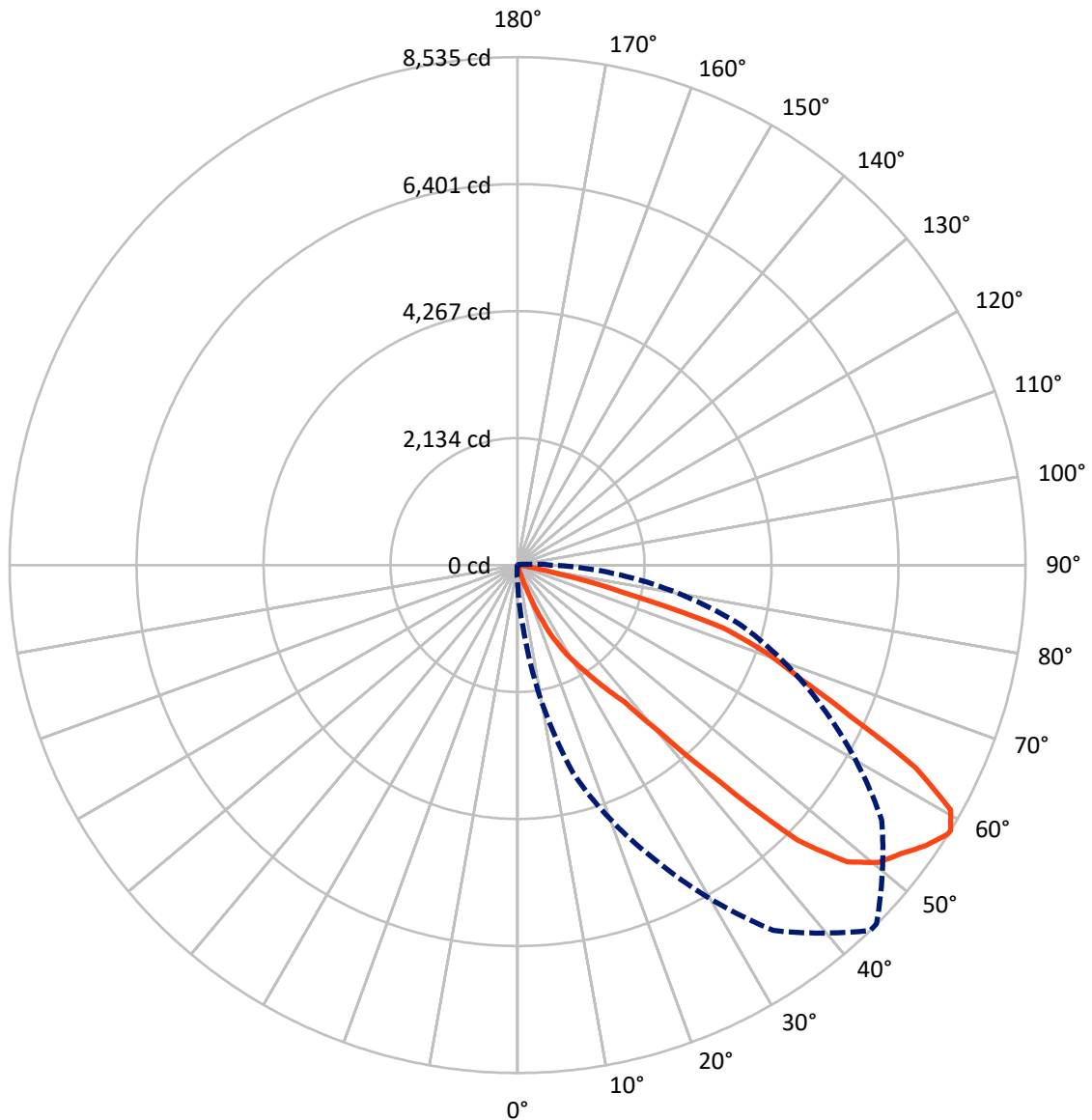
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22.7	0.0	22.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	3304.1	0.0	3304.1
	% Fixture	99.3	0.0	99.3
Total	Lumens	3326.8	0.0	3326.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	7.3	0.2
20°-30°	78.8	2.4
30°-40°	233.1	7.0
40°-50°	694.7	20.9
50°-60°	1102.3	33.1
60°-70°	919.5	27.6
70°-80°	283.6	8.5
80°-90°	6.3	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°	3326.8	100.0
0°-180°	3326.8	100.0



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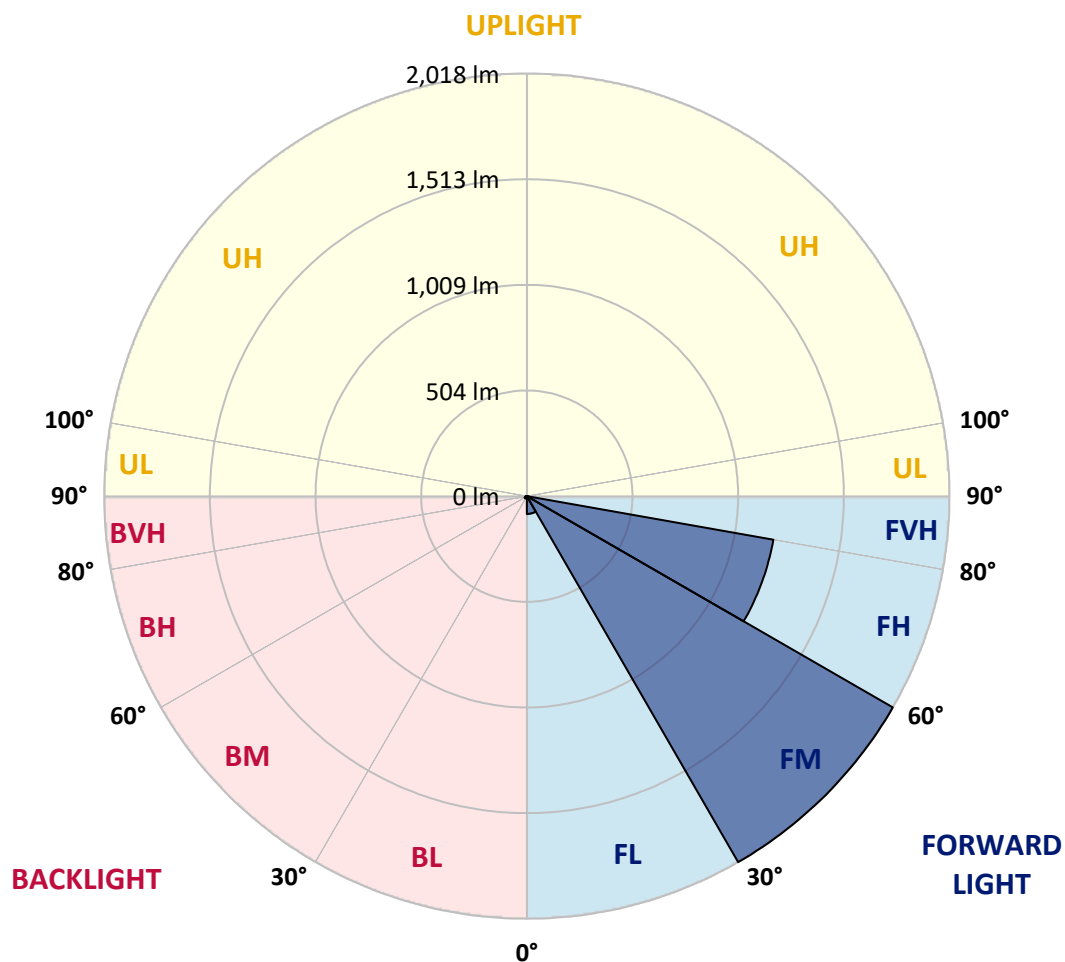
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	85.2	2.6			
FM	(30°-60°)	2017.6	60.6			
FH	(60°-80°)	1195.3	35.9			G1/1800
FVH	(80°-90°)	6.0	0.2			G0/10
BL	(0°-30°)	2.2	0.1	B0/110		
BM	(30°-60°)	12.4	0.4	B0/220		
BH	(60°-80°)	7.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.3	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
2.5°	18.8	18.8	18.1	17.1	16.1	15.1	14.8	14.3	14.1	13.8
5°	19.6	19.6	19.4	18.6	17.6	16.8	16.8	16.1	15.6	15.1
7.5°	20.1	20.4	20.9	20.6	20.1	19.4	19.4	18.8	18.1	16.8
10°	20.9	21.6	22.6	23.1	23.4	23.4	23.1	22.9	21.6	19.9
12.5°	21.6	23.1	25.6	28.1	29.7	31.7	31.4	30.9	27.6	23.9
15°	23.1	25.4	30.7	37.9	49.3	56.3	59.1	56.5	45.7	32.2
17.5°	24.9	28.6	44.5	79.4	130.2	154.3	168.9	157.1	104.0	61.1
20°	26.6	34.9	82.7	205.8	337.8	416.7	438.5	404.4	259.6	116.4
22.5°	29.7	49.0	167.6	425.5	727.8	846.2	868.5	759.2	490.3	229.7
25°	35.9	71.1	289.0	693.4	1086.2	1286.0	1276.7	1133.4	795.4	366.9
27.5°	45.0	103.5	437.0	985.1	1429.5	1605.6	1626.7	1449.6	1060.3	539.6
30°	58.1	143.5	595.9	1218.9	1704.7	1895.2	1898.7	1715.5	1297.3	691.1
32.5°	70.6	181.2	734.8	1444.8	1975.8	2184.7	2200.2	1974.8	1474.2	848.9
35°	80.2	205.8	875.6	1643.3	2249.3	2537.0	2536.0	2268.4	1683.8	989.9
37.5°	80.9	230.5	1003.0	1846.4	2595.6	2917.7	2949.7	2654.6	1937.1	1164.3
40°	79.2	258.1	1164.3	2163.1	3219.6	3713.9	3742.0	3370.1	2445.3	1462.9
42.5°	81.2	306.1	1426.2	2747.9	4255.7	4965.7	5020.0	4628.9	3379.4	2072.1
45°	91.7	396.3	1974.8	3726.2	5732.7	6598.2	6580.1	6016.9	4466.3	2999.4
47.5°	126.7	617.2	2788.1	4678.4	6676.6	7447.4	7463.0	6774.6	5100.6	3712.4
50°	194.8	944.4	3471.4	5181.8	7082.5	7855.8	7841.2	7045.8	5341.7	4063.5
52.5°	253.3	1181.2	3814.2	5358.5	7134.5	8057.6	8056.6	7117.2	5379.1	4093.6
55°	267.9	1199.0	3816.9	5368.0	7251.1	8321.7	8354.9	7292.8	5427.6	3961.9
57.5°	262.1	1061.5	3657.6	5423.3	7458.7	8526.0	8527.8	7463.0	5550.7	3881.3
58°	257.1	1039.9	3625.4	5454.7	7494.4	8534.6	8530.3	7470.8	5651.0	3878.3
60°	228.9	903.0	3500.0	5534.9	7441.4	8359.2	8319.2	7300.6	5636.2	3847.3
62.5°	179.9	704.4	3376.6	5442.2	6872.9	7510.0	7526.6	6463.5	5138.1	3667.2
65°	143.2	525.0	3119.3	4773.7	5659.6	6167.2	6229.0	5256.0	4288.7	3105.2
67.5°	114.1	379.5	2616.7	3800.6	4478.4	5147.1	5192.1	4412.8	3322.6	2379.2
70°	92.7	256.6	1806.2	2779.5	3693.8	4445.7	4448.5	3665.9	2480.0	1558.9
72.5°	82.2	177.7	1048.5	2027.1	2995.1	3622.7	3549.5	2974.8	1906.0	923.3
75°	71.1	117.9	514.2	1239.2	1816.0	1828.3	1856.2	1380.0	952.7	439.0
77.5°	58.6	83.7	202.6	338.5	544.6	697.1	723.0	547.9	316.9	108.1
80°	40.2	39.7	54.5	103.8	155.8	195.3	182.2	141.0	82.9	41.5
82.5°	17.3	18.8	24.6	29.7	24.1	23.4	22.4	14.3	11.1	8.5
85°	5.5	5.0	5.3	5.3	4.3	3.3	3.3	1.5	0.0	0.0
87.5°	2.8	2.3	2.3	2.0	1.3	0.5	0.3	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°
14.6	0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
13.6	2.5°	13.3	13.3	12.8	12.3	12.1	11.6	11.3	11.1	10.8	10.6
14.6	5°	14.1	13.8	13.1	12.3	11.6	10.8	10.3	9.8	9.3	9.0
16.1	7.5°	15.3	14.8	13.3	12.1	11.1	10.1	9.5	8.8	8.3	7.5
17.8	10°	16.8	15.8	13.8	12.3	10.8	9.5	8.8	8.0	7.3	6.3
20.4	12.5°	18.8	17.1	14.6	12.1	10.3	8.8	8.0	7.0	6.3	5.5
23.6	15°	20.6	18.3	14.8	12.1	9.8	8.0	7.0	6.0	5.3	4.3
29.7	17.5°	23.1	19.4	14.6	11.3	9.0	7.0	6.0	5.3	4.0	2.5
44.0	20°	27.4	20.1	14.1	10.6	7.8	5.8	4.5	3.5	1.8	0.5
66.1	22.5°	34.2	22.1	13.6	9.5	6.8	4.5	3.0	1.3	0.0	0.0
100.5	25°	47.2	25.6	13.6	9.0	6.0	3.3	1.0	0.0	0.0	0.0
142.7	27.5°	62.8	30.4	13.6	7.8	4.8	1.8	0.0	0.0	0.0	0.0
194.5	30°	78.7	35.7	13.6	6.8	3.8	0.3	0.0	0.0	0.0	0.0
239.5	32.5°	93.7	40.2	13.8	5.8	2.5	0.0	0.0	0.0	0.0	0.0
301.8	35°	109.1	41.0	13.6	5.0	1.5	0.0	0.0	0.0	0.0	0.0
378.2	37.5°	128.7	39.5	12.8	4.5	0.8	0.0	0.0	0.0	0.0	0.0
497.6	40°	158.3	40.2	12.1	4.3	0.3	0.0	0.0	0.0	0.0	0.0
710.5	42.5°	213.1	43.5	11.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0
1131.7	45°	368.4	58.3	10.1	4.5	0.0	0.0	0.0	0.0	0.0	0.0
1698.9	47.5°	609.4	104.8	9.8	4.5	0.0	0.0	0.0	0.0	0.0	0.0
2046.4	50°	777.8	131.9	10.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0
2089.9	52.5°	776.6	147.0	10.8	5.0	1.0	0.0	0.0	0.0	0.0	0.0
1926.3	55°	690.4	149.8	11.6	5.5	3.3	0.0	0.0	0.0	0.0	0.0
1655.4	57.5°	577.0	136.7	13.3	6.8	6.0	0.0	0.0	0.0	0.0	0.0
1612.9	58°	556.9	130.7	13.8	7.0	6.5	0.0	0.0	0.0	0.0	0.0
1399.1	60°	456.4	106.6	17.6	8.8	8.8	0.0	0.0	0.0	0.0	0.0
1147.0	62.5°	315.1	93.0	20.1	11.3	9.0	0.0	0.0	0.0	0.0	0.0
845.7	65°	222.9	83.9	21.9	12.1	7.3	0.0	0.0	0.0	0.0	0.0
600.9	67.5°	166.6	77.4	24.1	12.3	3.8	0.0	0.0	0.0	0.0	0.0
377.0	70°	127.7	72.6	29.7	13.1	1.0	0.0	0.0	0.0	0.0	0.0
224.7	72.5°	104.0	67.1	35.9	13.6	0.0	0.0	0.0	0.0	0.0	0.0
134.7	75°	86.2	60.6	34.7	14.8	0.0	0.0	0.0	0.0	0.0	0.0
71.9	77.5°	57.3	47.0	31.7	14.8	0.0	0.0	0.0	0.0	0.0	0.0
25.6	80°	20.1	18.6	24.6	13.1	0.0	0.0	0.0	0.0	0.0	0.0
5.3	82.5°	3.0	2.5	3.5	4.5	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°
14.6	0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
10.3	2.5°	10.3	10.3	10.1	10.3	10.3	10.8	12.1	13.8	15.8	16.6
8.8	5°	8.5	8.3	8.0	8.0	8.0	8.8	9.8	11.8	14.1	15.1
7.3	7.5°	7.0	6.8	6.5	6.3	6.3	6.8	8.0	10.3	12.6	13.6
6.0	10°	5.8	5.3	5.0	4.8	4.8	5.3	6.5	8.8	11.3	12.3
5.0	12.5°	4.8	4.0	3.5	3.3	3.0	3.8	5.0	7.0	9.8	11.1
3.8	15°	3.3	2.5	1.8	1.5	1.3	2.0	3.3	5.5	8.3	9.8
2.0	17.5°	1.8	0.8	0.3	0.0	0.0	0.5	1.5	4.0	6.8	8.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	6.3
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.0	4.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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	0.8
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
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°
14.6	0°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
17.3	2.5°	17.8	17.6	17.1	16.6	16.6	16.6	17.3	18.1	18.8	18.8
15.6	5°	16.6	16.6	16.3	15.8	15.8	16.1	17.1	18.3	19.4	19.6
14.3	7.5°	15.3	15.8	15.3	15.1	15.3	15.6	16.6	18.1	19.6	20.1
13.3	10°	14.6	14.8	14.8	14.6	14.6	15.1	16.1	18.1	20.1	20.9
12.1	12.5°	13.6	14.1	13.8	13.8	13.8	14.3	15.6	17.8	20.6	21.6
10.8	15°	12.6	13.3	13.3	13.1	13.1	13.3	15.1	17.6	21.4	23.1
9.3	17.5°	11.6	12.3	12.6	12.1	12.1	12.6	14.3	17.6	21.9	24.9
7.5	20°	9.5	10.8	11.6	10.8	10.8	11.3	13.1	16.6	22.1	26.6
5.5	22.5°	7.5	8.8	9.8	9.5	9.5	9.8	12.1	15.8	22.4	29.7
3.3	25°	5.5	6.8	7.5	8.0	8.0	8.8	11.1	15.3	23.4	35.9
1.5	27.5°	3.3	4.8	5.8	6.3	6.5	7.5	10.3	14.8	25.1	45.0
0.0	30°	1.5	2.8	4.0	5.0	5.0	6.8	9.5	14.3	27.4	58.1
0.0	32.5°	0.0	1.3	2.0	3.5	3.8	5.5	8.8	13.8	30.7	70.6
0.0	35°	0.0	0.0	1.0	2.8	2.8	4.5	8.0	13.3	35.7	80.2
0.0	37.5°	0.0	0.0	0.0	2.0	2.3	4.0	7.8	13.1	36.7	80.9
0.0	40°	0.0	0.0	0.0	1.5	1.8	3.8	7.8	13.3	33.2	79.2
0.0	42.5°	0.0	0.0	0.0	1.0	1.3	3.8	7.8	13.8	29.9	81.2
0.0	45°	0.0	0.0	0.0	0.8	1.0	4.0	7.5	13.6	28.1	91.7
0.0	47.5°	0.0	0.0	0.0	1.0	1.5	4.0	7.3	13.3	28.4	126.7
0.0	50°	0.0	0.0	0.0	1.3	1.8	4.0	7.5	12.8	31.2	194.8
0.0	52.5°	0.0	0.0	0.0	1.0	1.5	4.5	8.3	12.6	33.9	253.3
0.0	55°	0.0	0.0	0.0	0.3	0.8	5.8	9.0	12.6	38.2	267.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	6.5	10.3	13.3	45.2	262.1
0.0	58°	0.0	0.0	0.0	0.0	0.0	6.5	10.6	13.3	45.7	257.1
0.0	60°	0.0	0.0	0.0	0.0	0.0	6.5	11.6	14.8	49.3	228.9
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	5.5	13.8	18.6	51.3	179.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	4.5	16.3	20.4	52.8	143.2
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	4.3	16.8	20.6	53.5	114.1
0.0	70°	0.0	0.0	0.0	0.0	0.0	4.5	16.6	22.1	56.0	92.7
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	5.0	15.1	24.4	56.0	82.2
0.0	75°	0.0	0.0	0.0	0.0	0.0	5.3	14.1	27.4	51.0	71.1
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	5.0	13.8	31.9	45.5	58.6
0.0	80°	0.5	0.8	0.8	0.5	0.5	4.3	13.6	32.4	38.7	40.2
0.3	82.5°	1.5	2.0	1.8	1.3	1.3	3.8	12.1	27.1	20.1	17.3
1.5	85°	2.8	3.3	3.3	2.8	2.8	3.5	7.5	9.8	6.8	5.5
2.8	87.5°	3.8	4.3	4.3	3.8	3.8	3.5	3.3	3.0	2.8	2.8
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: SP1-2407-184-1

Test Date: 10/09/2024

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

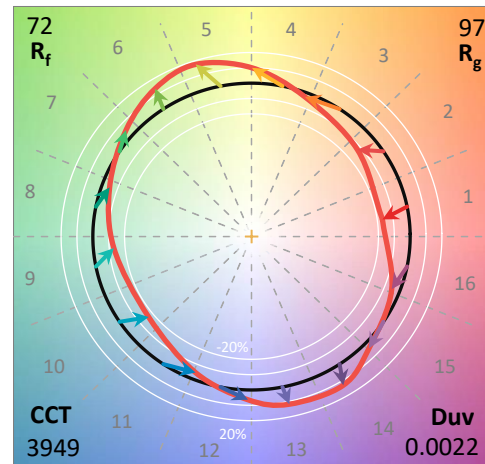
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

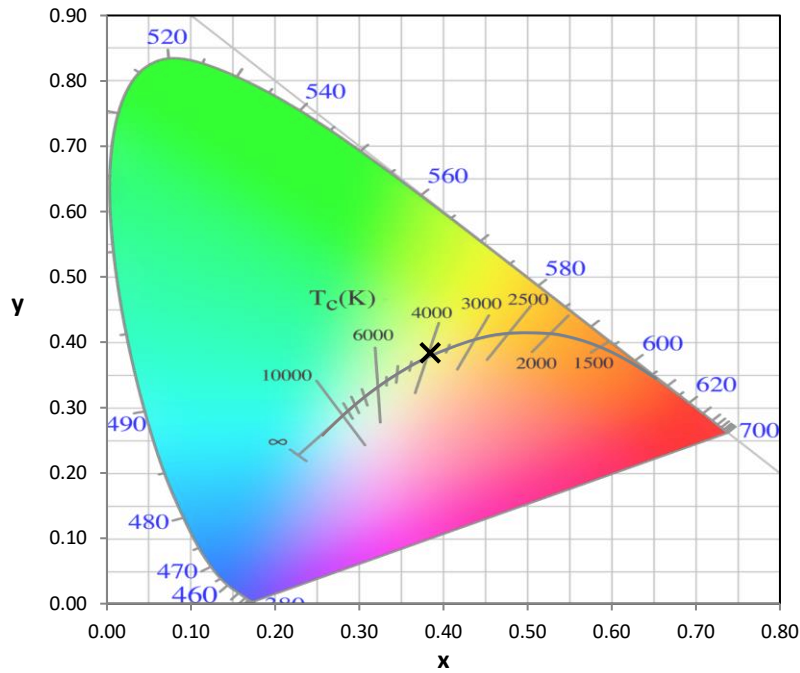
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

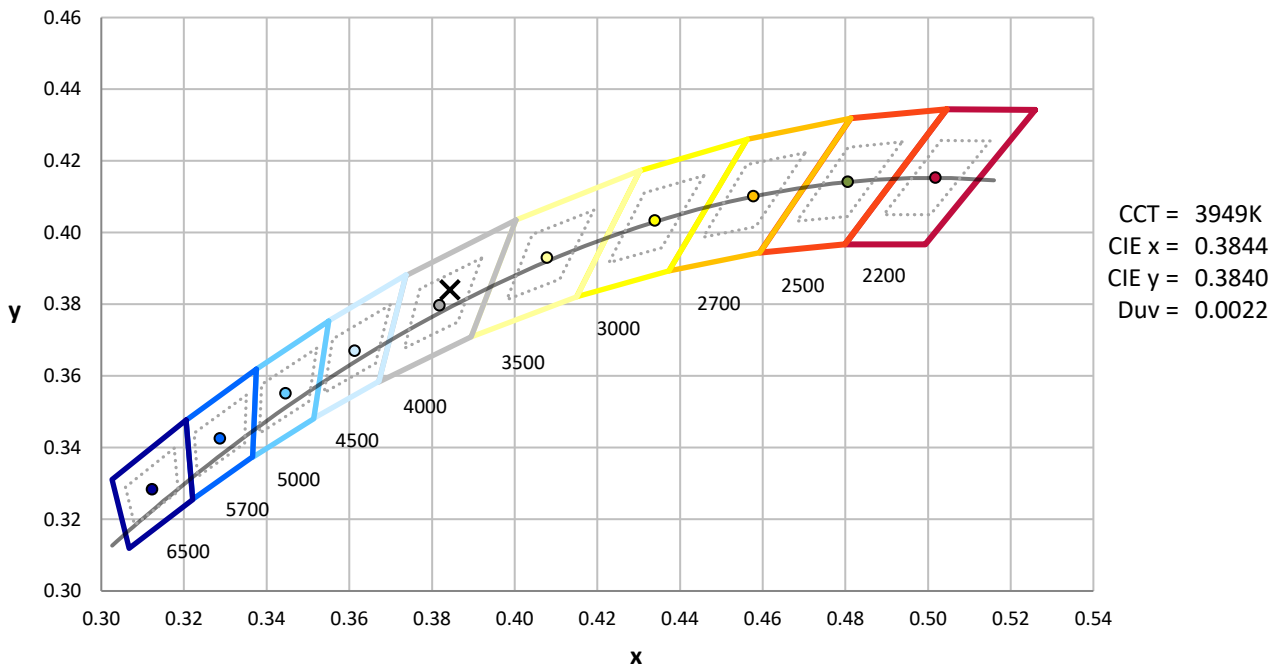
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



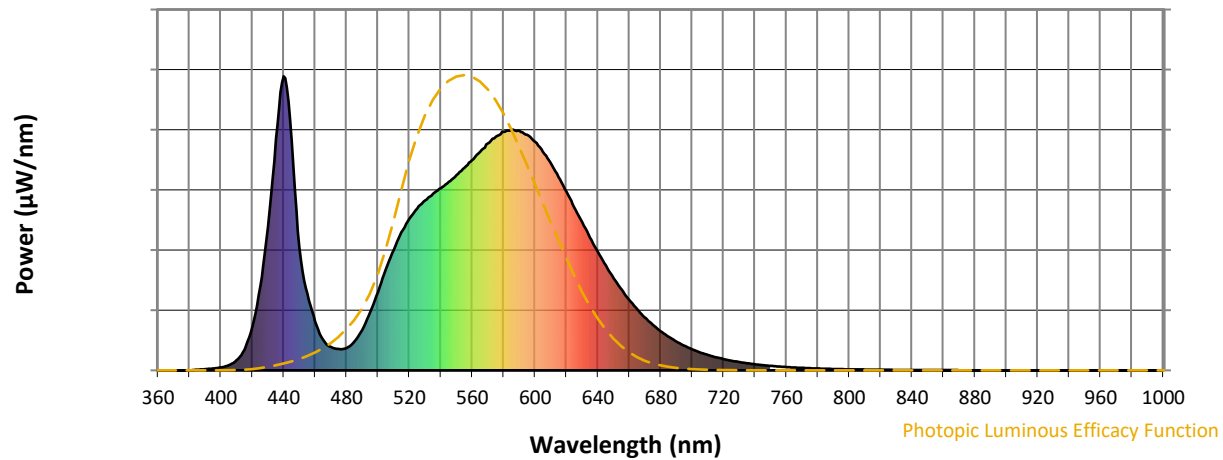
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

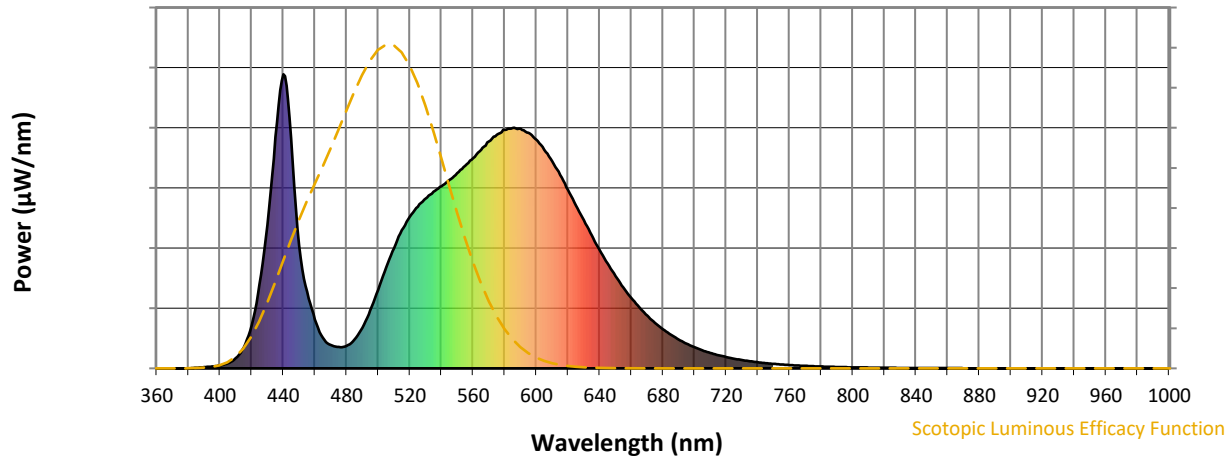


Photopic Lumens: NR

λ (nm)	Power W ^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

Scotopic Flux vs. Wavelength



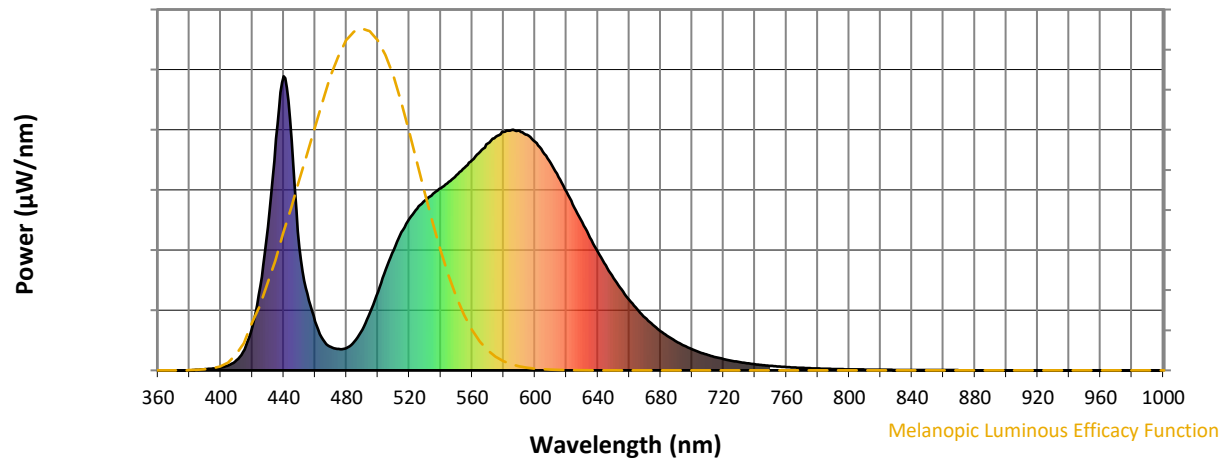
Scotopic Lumens: NR

S/P: 1.47

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			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

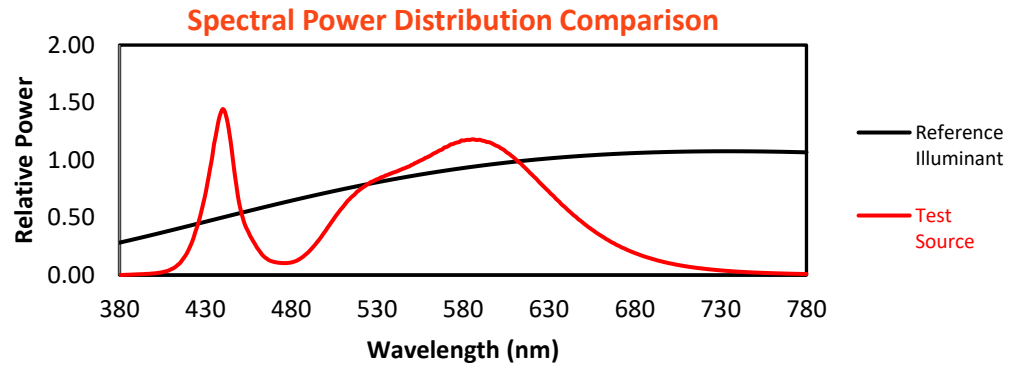
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	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			

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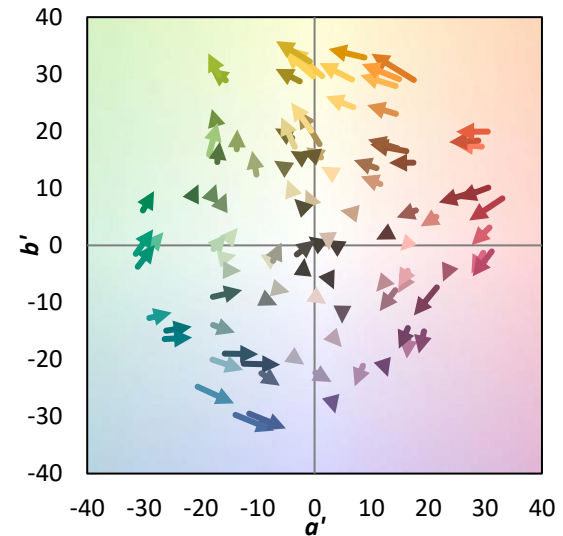
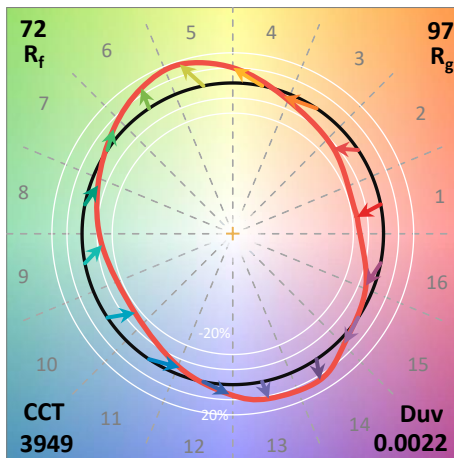
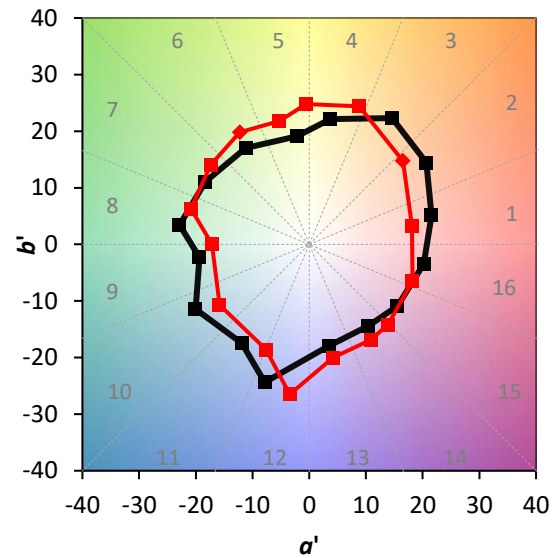
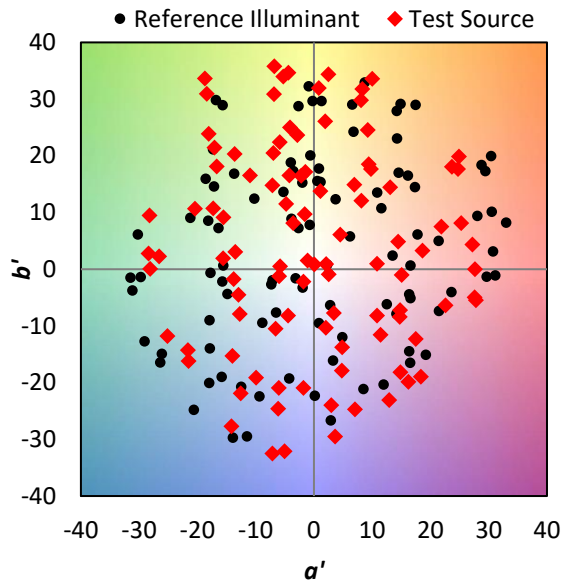
TM-30-18

Summary

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

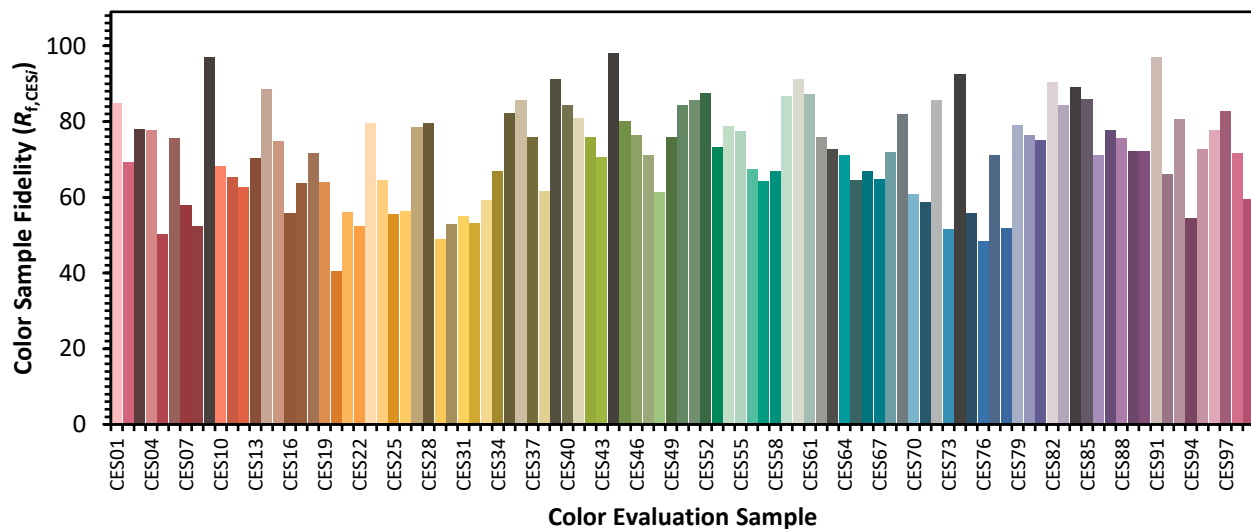


Color Vector Graphics

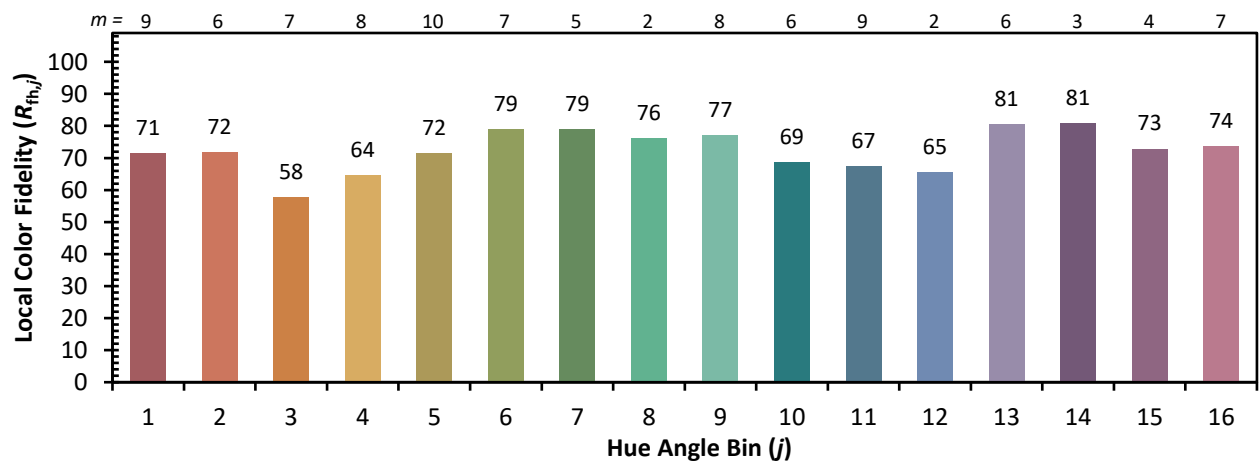
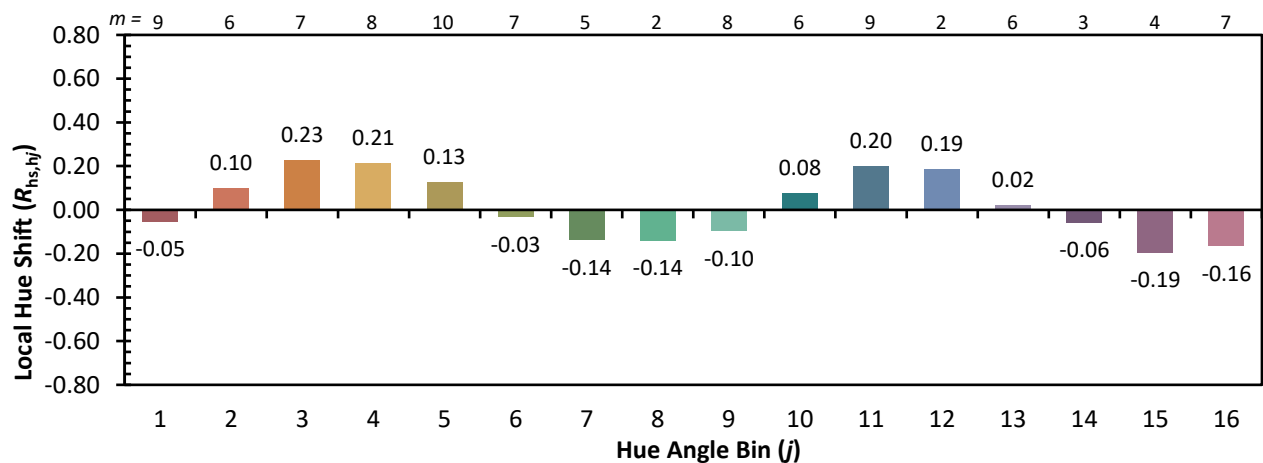
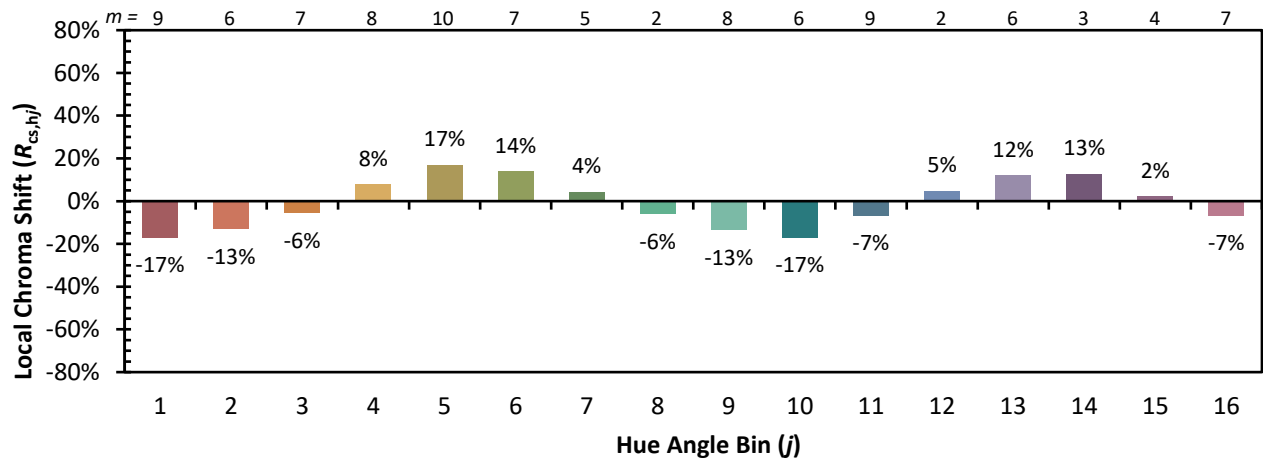


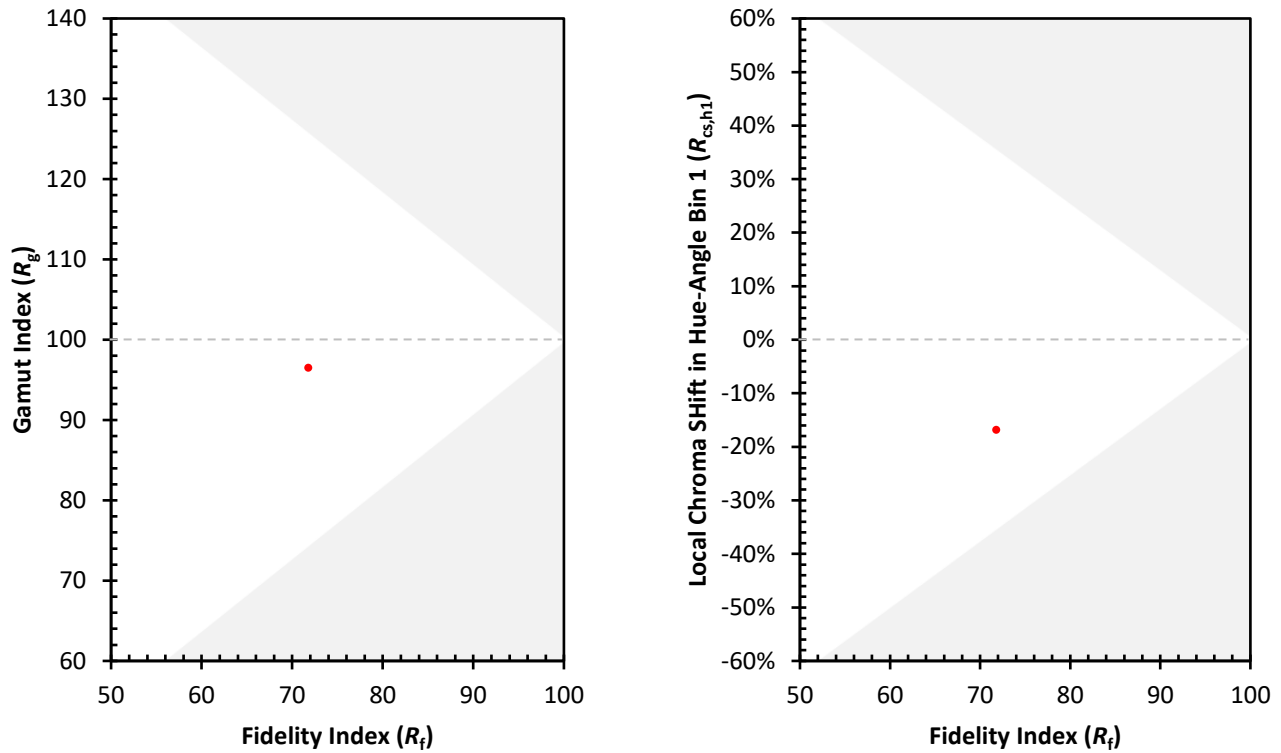
Individual Sample Fidelity Index ($R_{f,i}$)

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)