

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: P1049699

Luminaire Tested: **GALN-SA6C-760-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049699
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6C-760-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 6xLight Square PACKAGE
70CRI 5700K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (84) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30397.6 lumens
Efficiency: N/A
Efficacy: 107.6 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

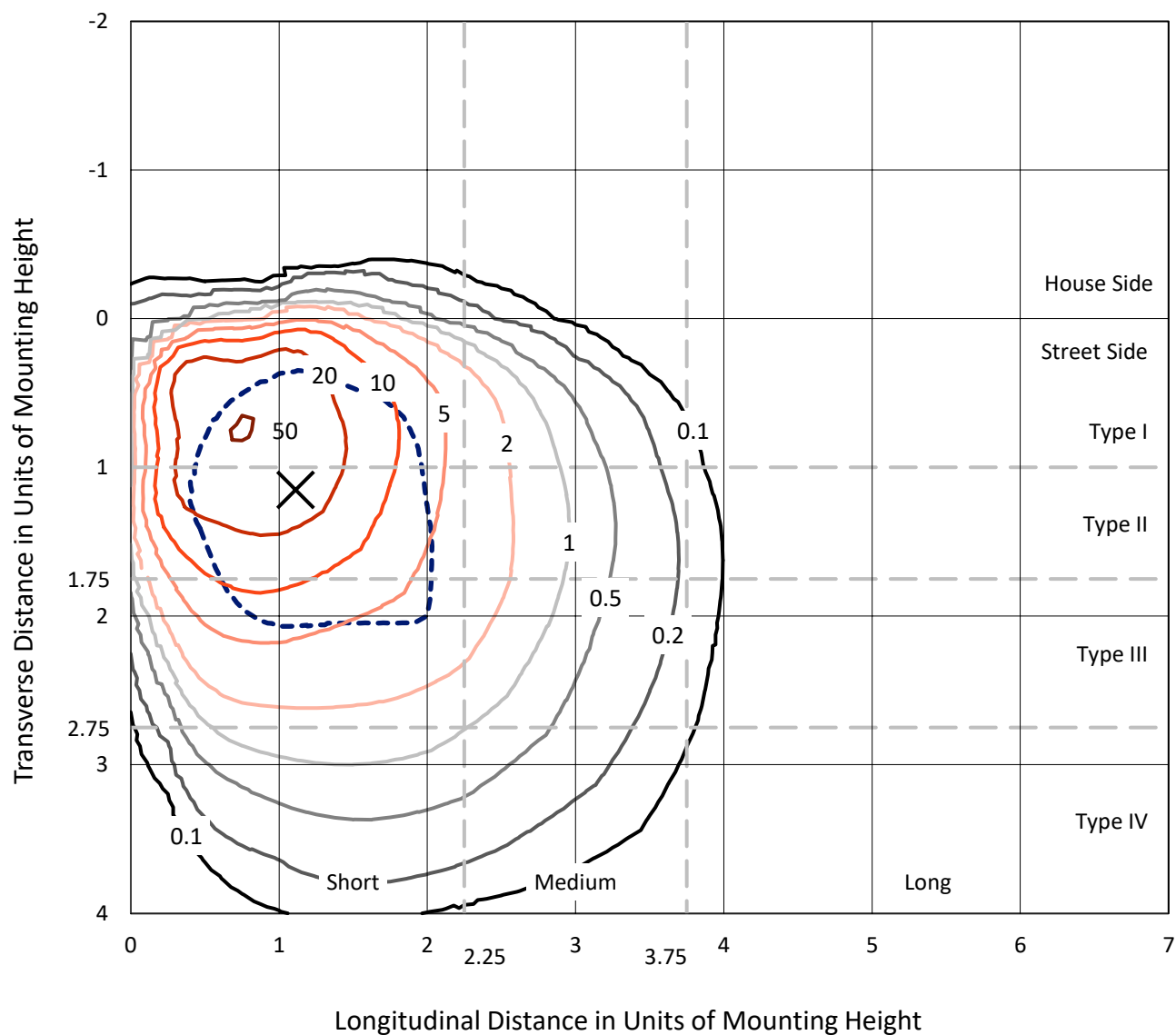
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

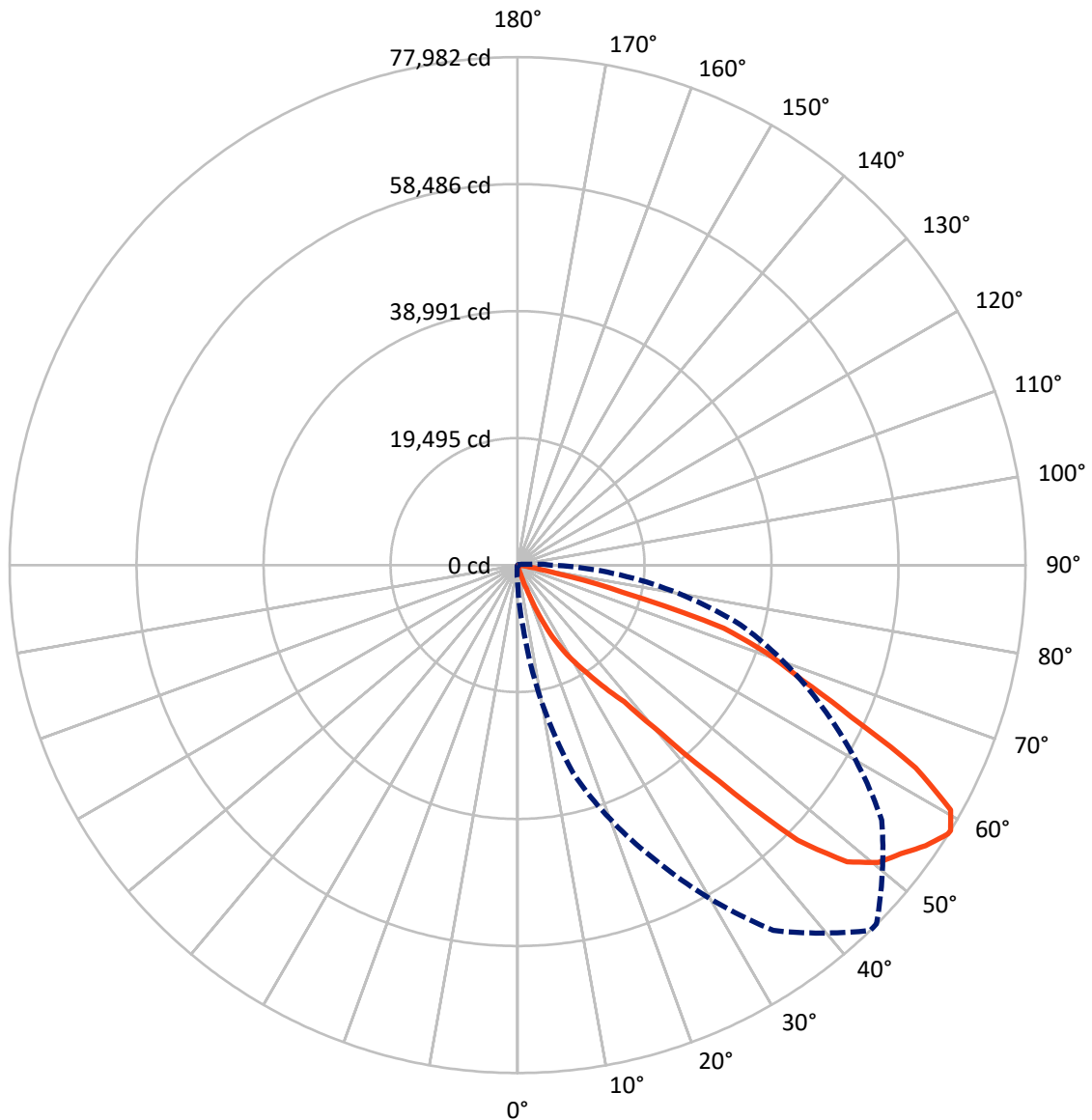
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 52.9 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	207.6	0.0	207.6
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	30190.1	0.0	30190.1
	% Fixture	99.3	0.0	99.3
Total	Lumens	30397.6	0.0	30397.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.0
10°-20°	66.7	0.2
20°-30°	720.1	2.4
30°-40°	2129.7	7.0
40°-50°	6347.5	20.9
50°-60°	10072.0	33.1
60°-70°	8401.2	27.6
70°-80°	2591.1	8.5
80°-90°	57.6	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°	30397.6	100.0
0°-180°	30397.6	100.0



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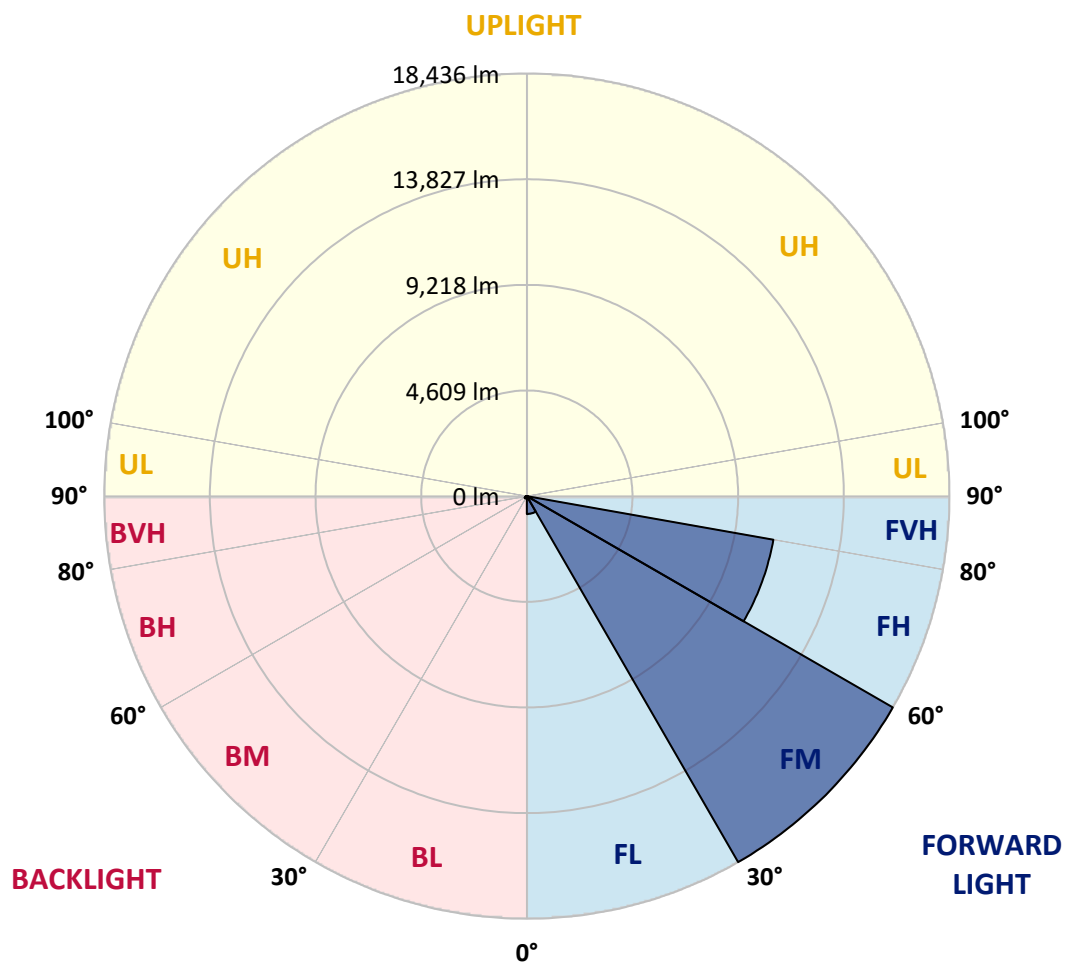
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	778.4	2.6			
FM	(30°-60°)	18435.5	60.6			
FH	(60°-80°)	10921.4	35.9			G4/12000
FVH	(80°-90°)	54.8	0.2			G1/100
BL	(0°-30°)	20.3	0.1	B0/110		
BM	(30°-60°)	113.6	0.4	B0/220		
BH	(60°-80°)	70.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.8	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2
2.5°	172.2	172.2	165.3	156.1	147.0	137.8	135.5	130.9	128.6	126.3
5°	179.1	179.1	176.8	169.9	160.7	153.9	153.9	147.0	142.4	137.8
7.5°	183.7	186.0	190.6	188.3	183.7	176.8	176.8	172.2	165.3	153.9
10°	190.6	197.5	206.7	211.3	213.6	213.6	211.3	209.0	197.5	181.4
12.5°	197.5	211.3	234.2	257.2	271.0	289.3	287.0	282.4	252.6	218.1
15°	211.3	231.9	280.1	346.7	450.1	514.4	539.6	516.7	417.9	293.9
17.5°	227.3	261.8	406.4	725.6	1189.5	1409.9	1543.1	1435.2	950.7	558.0
20°	243.4	319.2	755.5	1880.7	3086.2	3807.2	4007.0	3694.7	2372.1	1063.2
22.5°	271.0	447.8	1531.6	3887.6	6650.0	7731.6	7936.0	6937.1	4480.0	2098.8
25°	328.4	649.8	2640.7	6335.4	9924.5	11750.1	11665.1	10356.2	7267.7	3352.6
27.5°	411.0	946.1	3993.2	9001.4	13061.3	14671.0	14863.8	13245.0	9688.0	4930.1
30°	530.4	1311.2	5444.5	11137.0	15575.7	17316.3	17348.4	15674.4	11853.4	6314.8
32.5°	645.3	1655.6	6714.3	13201.3	18053.4	19961.6	20104.0	18044.2	13470.0	7756.8
35°	732.5	1880.7	8000.2	15015.4	20551.7	23181.0	23171.8	20726.2	15385.1	9045.1
37.5°	739.4	2105.7	9164.5	16870.8	23716.0	26659.8	26951.5	24255.6	17699.7	10638.7
40°	723.3	2358.3	10638.7	19764.1	29417.7	33934.5	34191.7	30793.2	22342.8	13366.7
42.5°	741.7	2796.9	13031.4	25107.6	38885.3	45372.3	45868.3	42295.2	30878.1	18932.9
45°	838.1	3621.2	18044.2	34047.0	52380.5	60288.9	60123.6	54977.6	40809.5	27406.1
47.5°	1157.3	5639.7	25475.0	42747.6	61005.3	68048.0	68190.4	61900.9	46605.4	33920.7
50°	1779.6	8629.4	31718.6	47347.1	64713.8	71779.5	71646.3	64378.6	48807.5	37128.6
52.5°	2314.7	10792.5	34850.7	48961.3	65189.2	73623.4	73614.2	65030.7	49149.6	37404.2
55°	2447.8	10955.6	34875.9	49048.6	66254.7	76036.8	76339.9	66635.8	49592.8	36200.9
57.5°	2395.0	9699.5	33420.1	49553.8	68151.4	77903.7	77919.8	68190.4	50718.0	35463.8
58°	2349.1	9502.0	33126.2	49840.8	68477.5	77981.8	77942.7	68261.6	51634.2	35436.2
60°	2091.9	8250.5	31980.3	50573.3	67992.9	76379.0	76013.9	66707.0	51498.7	35153.8
62.5°	1644.1	6436.5	30852.9	49726.0	62798.7	68619.8	68771.4	59058.1	46947.5	33507.4
65°	1308.9	4796.9	28501.5	43617.9	51712.3	56350.8	56915.7	48024.5	39186.1	28372.9
67.5°	1042.5	3467.4	23908.9	34726.7	40919.8	47030.2	47441.2	40320.4	30359.2	21738.9
70°	847.3	2344.5	16503.4	25396.9	33750.8	40621.2	40646.5	33495.9	22659.7	14243.8
72.5°	750.9	1623.5	9580.1	18521.8	27367.1	33100.9	32432.7	27181.1	17415.0	8436.5
75°	649.8	1077.0	4698.2	11323.0	16592.9	16705.5	16960.3	12608.9	8705.2	4011.6
77.5°	535.0	764.7	1850.8	3093.1	4976.0	6369.9	6606.4	5005.9	2895.6	987.4
80°	367.4	362.8	498.3	948.4	1423.7	1784.2	1664.8	1288.2	757.8	378.9
82.5°	158.4	172.2	225.0	271.0	220.4	213.6	204.4	130.9	101.0	78.1
85°	50.5	45.9	48.2	48.2	39.0	29.9	29.9	13.8	0.0	0.0
87.5°	25.3	20.7	20.7	18.4	11.5	4.6	2.3	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°
133.2	0°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2
124.0	2.5°	121.7	121.7	117.1	112.5	110.2	105.6	103.3	101.0	98.7	96.4
133.2	5°	128.6	126.3	119.4	112.5	105.6	98.7	94.1	89.6	85.0	82.7
147.0	7.5°	140.1	135.5	121.7	110.2	101.0	91.9	87.3	80.4	75.8	68.9
163.0	10°	153.9	144.7	126.3	112.5	98.7	87.3	80.4	73.5	66.6	57.4
186.0	12.5°	172.2	156.1	133.2	110.2	94.1	80.4	73.5	64.3	57.4	50.5
215.9	15°	188.3	167.6	135.5	110.2	89.6	73.5	64.3	55.1	48.2	39.0
271.0	17.5°	211.3	176.8	133.2	103.3	82.7	64.3	55.1	48.2	36.7	23.0
401.8	20°	250.3	183.7	128.6	96.4	71.2	52.8	41.3	32.1	16.1	4.6
603.9	22.5°	312.3	202.1	124.0	87.3	62.0	41.3	27.6	11.5	0.0	0.0
918.5	25°	431.7	234.2	124.0	82.7	55.1	29.9	9.2	0.0	0.0	0.0
1304.3	27.5°	574.1	277.9	124.0	71.2	43.6	16.1	0.0	0.0	0.0	0.0
1777.3	30°	718.7	326.1	124.0	62.0	34.4	2.3	0.0	0.0	0.0	0.0
2188.4	32.5°	856.5	367.4	126.3	52.8	23.0	0.0	0.0	0.0	0.0	0.0
2757.8	35°	996.6	374.3	124.0	45.9	13.8	0.0	0.0	0.0	0.0	0.0
3455.9	37.5°	1175.7	360.5	117.1	41.3	6.9	0.0	0.0	0.0	0.0	0.0
4546.6	40°	1446.7	367.4	110.2	39.0	2.3	0.0	0.0	0.0	0.0	0.0
6491.6	42.5°	1947.2	397.3	101.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0
10340.2	45°	3366.4	532.7	91.9	41.3	0.0	0.0	0.0	0.0	0.0	0.0
15522.9	47.5°	5568.5	957.5	89.6	41.3	0.0	0.0	0.0	0.0	0.0	0.0
18698.6	50°	7107.0	1205.5	94.1	43.6	0.0	0.0	0.0	0.0	0.0	0.0
19095.9	52.5°	7095.5	1343.3	98.7	45.9	9.2	0.0	0.0	0.0	0.0	0.0
17601.0	55°	6307.9	1368.6	105.6	50.5	29.9	0.0	0.0	0.0	0.0	0.0
15125.6	57.5°	5272.3	1249.2	121.7	62.0	55.1	0.0	0.0	0.0	0.0	0.0
14737.5	58°	5088.6	1194.1	126.3	64.3	59.7	0.0	0.0	0.0	0.0	0.0
12783.4	60°	4170.0	973.6	160.7	80.4	80.4	0.0	0.0	0.0	0.0	0.0
10480.2	62.5°	2879.5	849.6	183.7	103.3	82.7	0.0	0.0	0.0	0.0	0.0
7727.0	65°	2036.8	767.0	199.8	110.2	66.6	0.0	0.0	0.0	0.0	0.0
5490.4	67.5°	1522.4	707.3	220.4	112.5	34.4	0.0	0.0	0.0	0.0	0.0
3444.4	70°	1166.5	663.6	271.0	119.4	9.2	0.0	0.0	0.0	0.0	0.0
2052.9	72.5°	950.7	613.1	328.4	124.0	0.0	0.0	0.0	0.0	0.0	0.0
1230.8	75°	787.6	553.4	316.9	135.5	0.0	0.0	0.0	0.0	0.0	0.0
656.7	77.5°	523.6	429.4	289.3	135.5	0.0	0.0	0.0	0.0	0.0	0.0
234.2	80°	183.7	169.9	225.0	119.4	0.0	0.0	0.0	0.0	0.0	0.0
48.2	82.5°	27.6	23.0	32.1	41.3	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°
133.2	0°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2
94.1	2.5°	94.1	94.1	91.9	94.1	94.1	98.7	110.2	126.3	144.7	151.6
80.4	5°	78.1	75.8	73.5	73.5	73.5	80.4	89.6	107.9	128.6	137.8
66.6	7.5°	64.3	62.0	59.7	57.4	57.4	62.0	73.5	94.1	114.8	124.0
55.1	10°	52.8	48.2	45.9	43.6	43.6	48.2	59.7	80.4	103.3	112.5
45.9	12.5°	43.6	36.7	32.1	29.9	27.6	34.4	45.9	64.3	89.6	101.0
34.4	15°	29.9	23.0	16.1	13.8	11.5	18.4	29.9	50.5	75.8	89.6
18.4	17.5°	16.1	6.9	2.3	0.0	0.0	4.6	13.8	36.7	62.0	73.5
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	45.9	57.4
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	27.6	39.0
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	20.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
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	6.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	18.4
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°
133.2	0°	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2
158.4	2.5°	163.0	160.7	156.1	151.6	151.6	151.6	158.4	165.3	172.2	172.2
142.4	5°	151.6	151.6	149.3	144.7	144.7	147.0	156.1	167.6	176.8	179.1
130.9	7.5°	140.1	144.7	140.1	137.8	140.1	142.4	151.6	165.3	179.1	183.7
121.7	10°	133.2	135.5	135.5	133.2	133.2	137.8	147.0	165.3	183.7	190.6
110.2	12.5°	124.0	128.6	126.3	126.3	126.3	130.9	142.4	163.0	188.3	197.5
98.7	15°	114.8	121.7	121.7	119.4	119.4	121.7	137.8	160.7	195.2	211.3
85.0	17.5°	105.6	112.5	114.8	110.2	110.2	114.8	130.9	160.7	199.8	227.3
68.9	20°	87.3	98.7	105.6	98.7	98.7	103.3	119.4	151.6	202.1	243.4
50.5	22.5°	68.9	80.4	89.6	87.3	87.3	89.6	110.2	144.7	204.4	271.0
29.9	25°	50.5	62.0	68.9	73.5	73.5	80.4	101.0	140.1	213.6	328.4
13.8	27.5°	29.9	43.6	52.8	57.4	59.7	68.9	94.1	135.5	229.6	411.0
0.0	30°	13.8	25.3	36.7	45.9	45.9	62.0	87.3	130.9	250.3	530.4
0.0	32.5°	0.0	11.5	18.4	32.1	34.4	50.5	80.4	126.3	280.1	645.3
0.0	35°	0.0	0.0	9.2	25.3	25.3	41.3	73.5	121.7	326.1	732.5
0.0	37.5°	0.0	0.0	0.0	18.4	20.7	36.7	71.2	119.4	335.3	739.4
0.0	40°	0.0	0.0	0.0	13.8	16.1	34.4	71.2	121.7	303.1	723.3
0.0	42.5°	0.0	0.0	0.0	9.2	11.5	34.4	71.2	126.3	273.3	741.7
0.0	45°	0.0	0.0	0.0	6.9	9.2	36.7	68.9	124.0	257.2	838.1
0.0	47.5°	0.0	0.0	0.0	9.2	13.8	36.7	66.6	121.7	259.5	1157.3
0.0	50°	0.0	0.0	0.0	11.5	16.1	36.7	68.9	117.1	284.7	1779.6
0.0	52.5°	0.0	0.0	0.0	9.2	13.8	41.3	75.8	114.8	310.0	2314.7
0.0	55°	0.0	0.0	0.0	2.3	6.9	52.8	82.7	114.8	349.0	2447.8
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	59.7	94.1	121.7	413.3	2395.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	59.7	96.4	121.7	417.9	2349.1
0.0	60°	0.0	0.0	0.0	0.0	0.0	59.7	105.6	135.5	450.1	2091.9
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	50.5	126.3	169.9	468.4	1644.1
0.0	65°	0.0	0.0	0.0	0.0	0.0	41.3	149.3	186.0	482.2	1308.9
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	39.0	153.9	188.3	489.1	1042.5
0.0	70°	0.0	0.0	0.0	0.0	0.0	41.3	151.6	202.1	512.1	847.3
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	45.9	137.8	222.7	512.1	750.9
0.0	75°	0.0	0.0	0.0	0.0	0.0	48.2	128.6	250.3	466.1	649.8
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	45.9	126.3	291.6	415.6	535.0
0.0	80°	4.6	6.9	6.9	4.6	4.6	39.0	124.0	296.2	353.6	367.4
2.3	82.5°	13.8	18.4	16.1	11.5	11.5	34.4	110.2	248.0	183.7	158.4
13.8	85°	25.3	29.9	29.9	25.3	25.3	32.1	68.9	89.6	62.0	50.5
25.3	87.5°	34.4	39.0	39.0	34.4	34.4	32.1	29.9	27.6	25.3	25.3
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: SP1-2407-184-7

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-757-U-5WQ

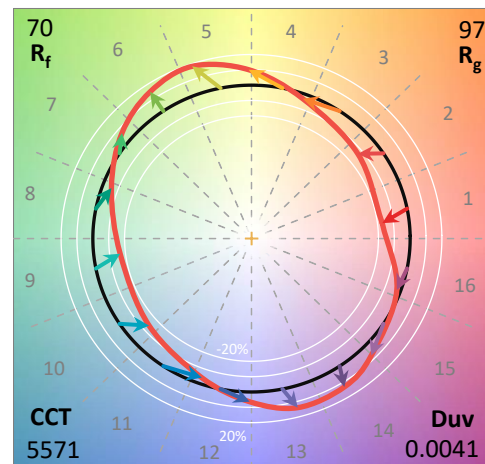
Data in this report applies to families of products including GSS-SB1A-757-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-7
 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-757-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 5700K CCT 26 LEDS

Spectral Parameters

CCT (K):	5571	CRI (Ra):	69.9		
CIE u':	0.2033	R1:	68.8	R9:	-35.4
CIE v':	0.4806	R2:	72.5	R10:	36.7
Duv:	0.0041	R3:	76.8	R11:	73.9
CIE x:	0.3308	R4:	72.0	R12:	47.8
CIE y:	0.3476	R5:	70.9	R13:	68.0
CIE z:	0.3216	R6:	65.6	R14:	87.0
Peak Wavelength (nm):	442	R7:	75.5	R15:	59.8
Dominant Wavelength (nm):	544	R8:	56.8		
Purity:	3.635698				
Rf:	70.4				
Rg:	97.1				



Test Conditions

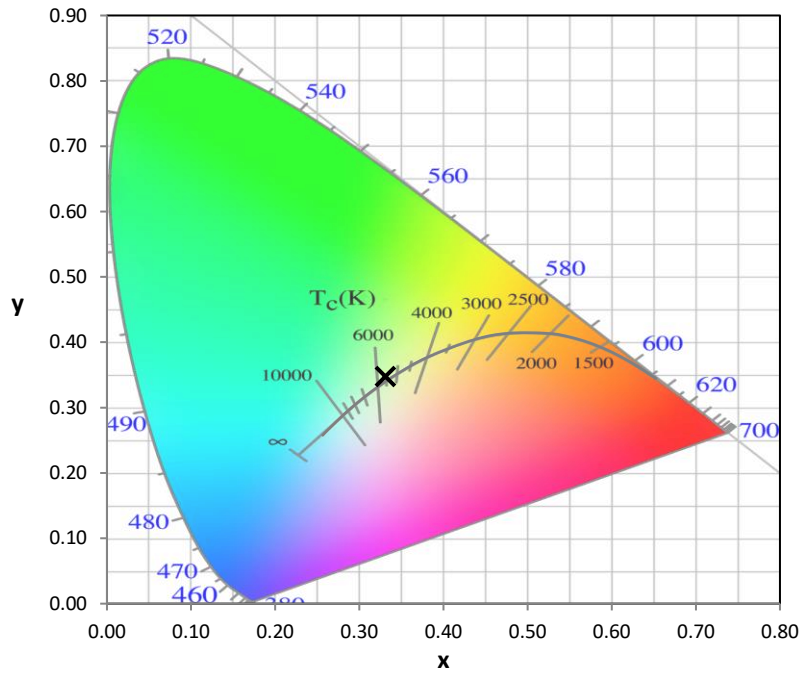
Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-7

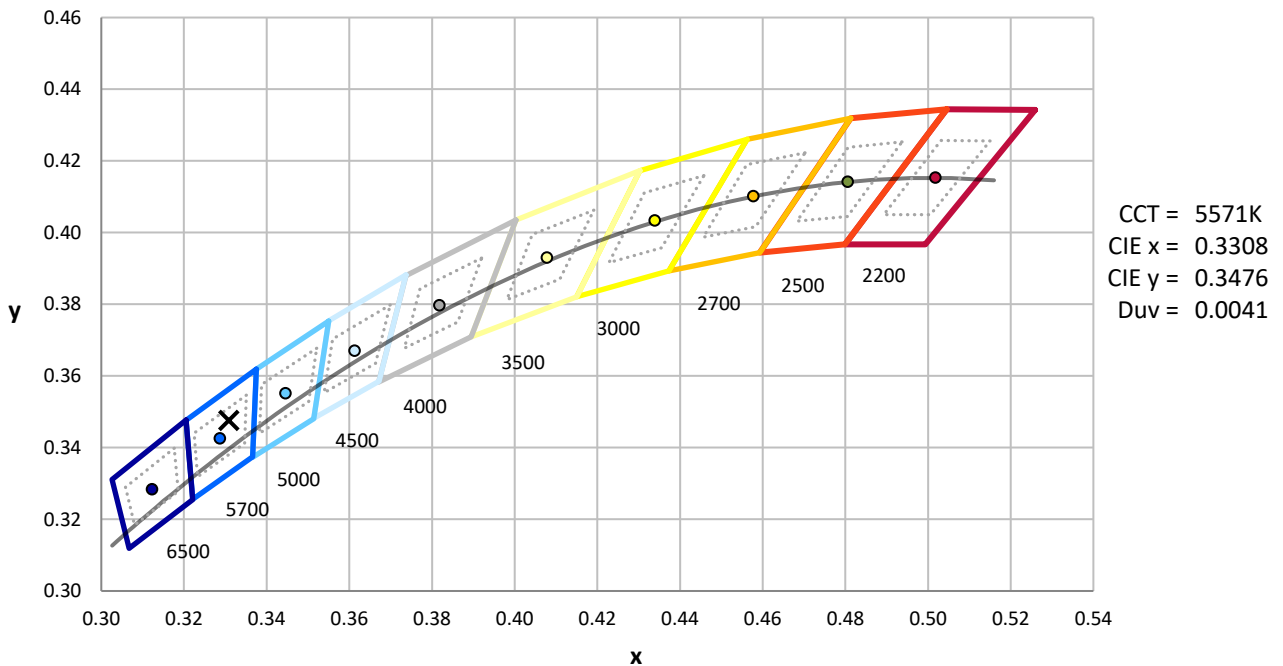
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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

REPORT NUMBER: SP1-2407-184-7

CIE 1931 Chromaticity Diagram



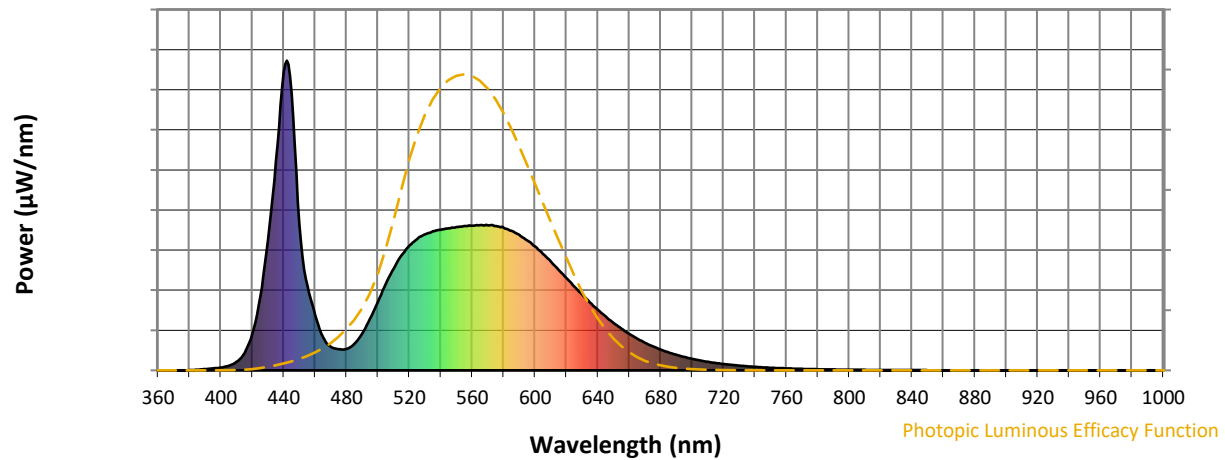
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-7

Photopic Flux vs. Wavelength

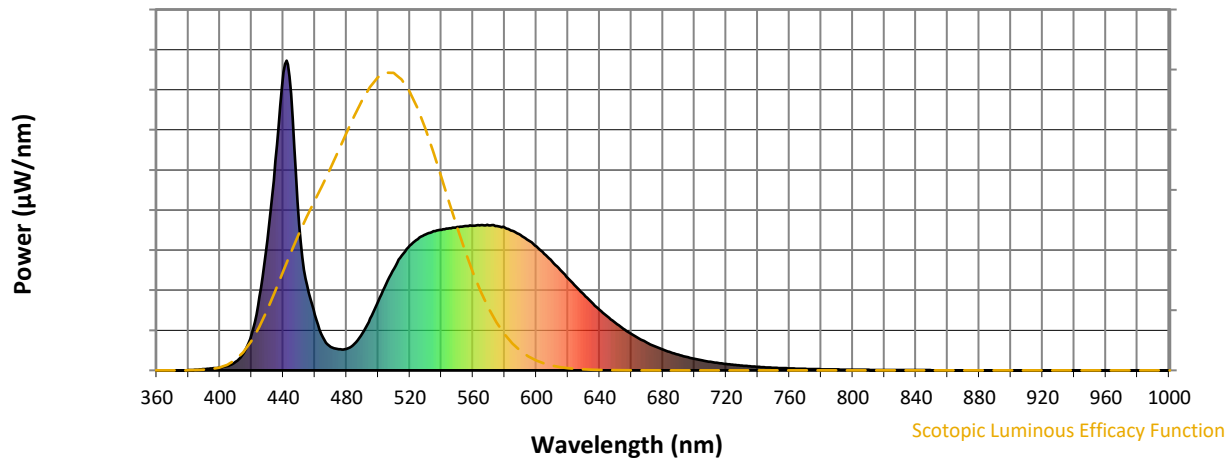


Photopic Lumens: NR

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

Scotopic Flux vs. Wavelength



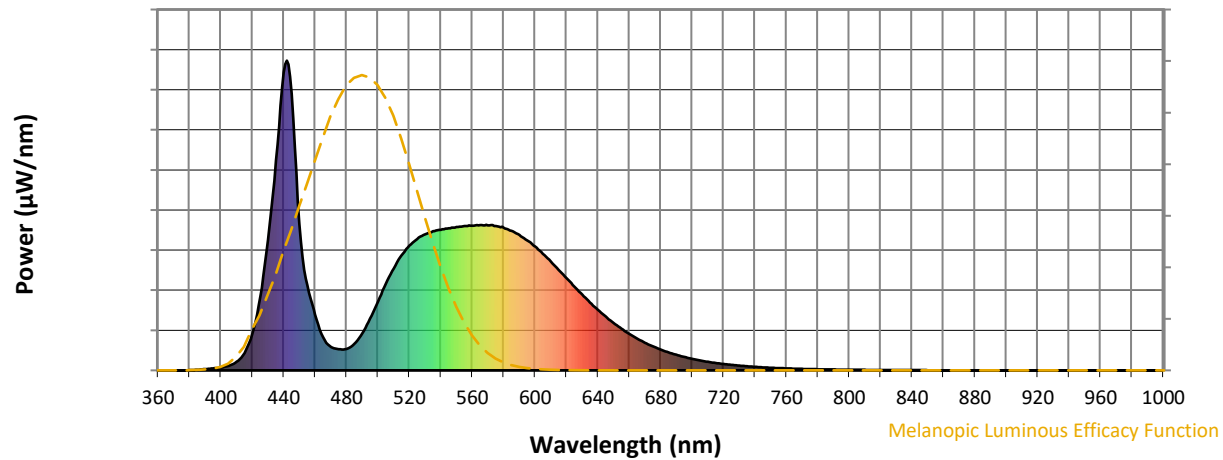
Scotopic Lumens: NR

S/P: 1.84

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	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 3.71

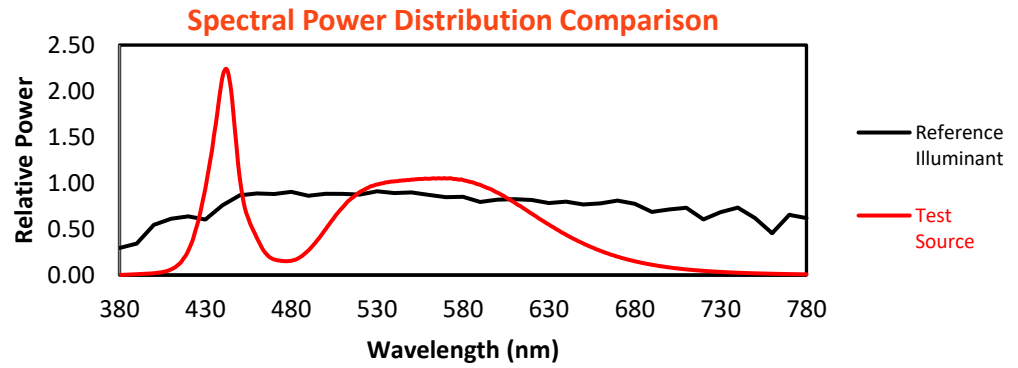
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	120	NR	620	298	NR	750	9	NR	880	0	NR
365	0	NR	495	167	NR	625	270	NR	755	7	NR	885	0	NR
370	0	NR	500	222	NR	630	245	NR	760	6	NR	890	0	NR
375	0	NR	505	279	NR	635	219	NR	765	6	NR	895	0	NR
380	1	NR	510	329	NR	640	196	NR	770	5	NR	900	0	NR
385	2	NR	515	371	NR	645	173	NR	775	4	NR	905	0	NR
390	4	NR	520	403	NR	650	153	NR	780	4	NR	910	0	NR
395	6	NR	525	424	NR	655	135	NR	785	3	NR	915	0	NR
400	9	NR	530	439	NR	660	117	NR	790	3	NR	920	0	NR
405	14	NR	535	449	NR	665	103	NR	795	2	NR	925	0	NR
410	28	NR	540	454	NR	670	89	NR	800	2	NR	930	0	NR
415	55	NR	545	459	NR	675	77	NR	805	2	NR	935	0	NR
420	118	NR	550	463	NR	680	67	NR	810	2	NR	940	0	NR
425	237	NR	555	466	NR	685	58	NR	815	1	NR	945	0	NR
430	420	NR	560	467	NR	690	50	NR	820	1	NR	950	0	NR
435	677	NR	565	469	NR	695	43	NR	825	1	NR	955	0	NR
440	962	NR	570	469	NR	700	37	NR	830	1	NR	960	0	NR
445	894	NR	575	466	NR	705	32	NR	835	1	NR	965	0	NR
450	472	NR	580	461	NR	710	28	NR	840	1	NR	970	0	NR
455	275	NR	585	450	NR	715	24	NR	845	1	NR	975	0	NR
460	180	NR	590	437	NR	720	21	NR	850	1	NR	980	0	NR
465	107	NR	595	420	NR	725	18	NR	855	0	NR	985	0	NR
470	76	NR	600	400	NR	730	15	NR	860	0	NR	990	0	NR
475	68	NR	605	376	NR	735	13	NR	865	0	NR	995	0	NR
480	69	NR	610	352	NR	740	11	NR	870	0	NR	1000	0	NR
485	86	NR	615	325	NR	745	10	NR	875	0	NR			

REPORT NUMBER: SP1-2407-184-7

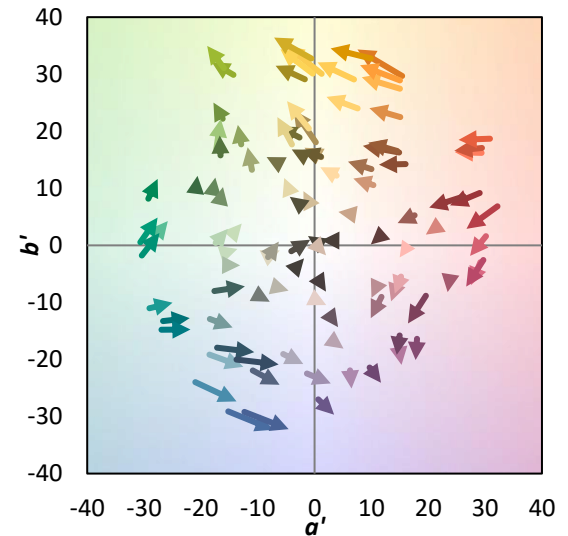
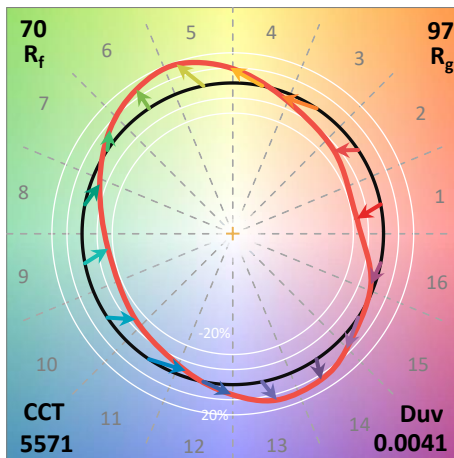
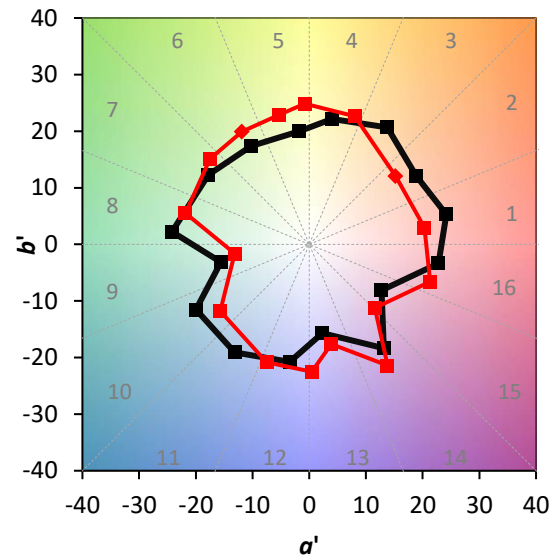
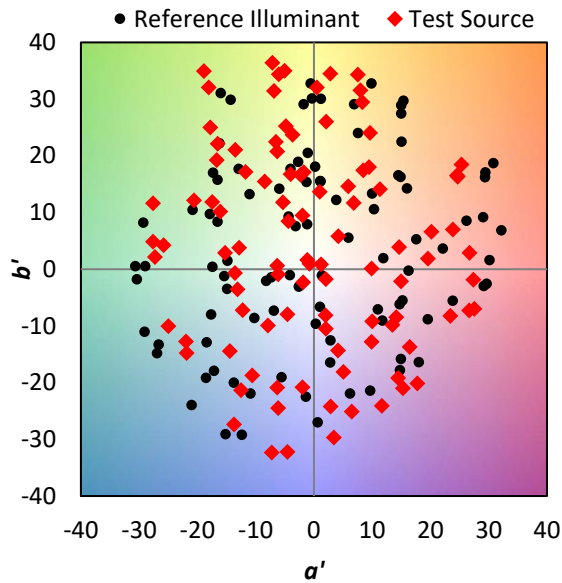
TM-30-18

Summary

$R_f = 70.4$
 $R_g = 97.1$
 $\text{CIE } R_a = 69.9$
 $R_g = -35.4$

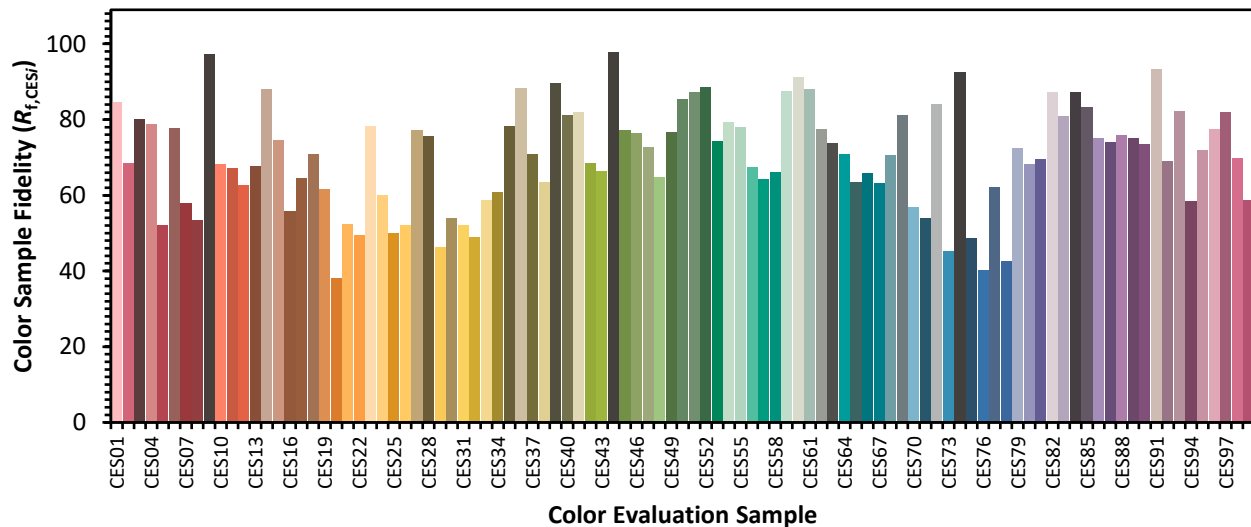


Color Vector Graphics

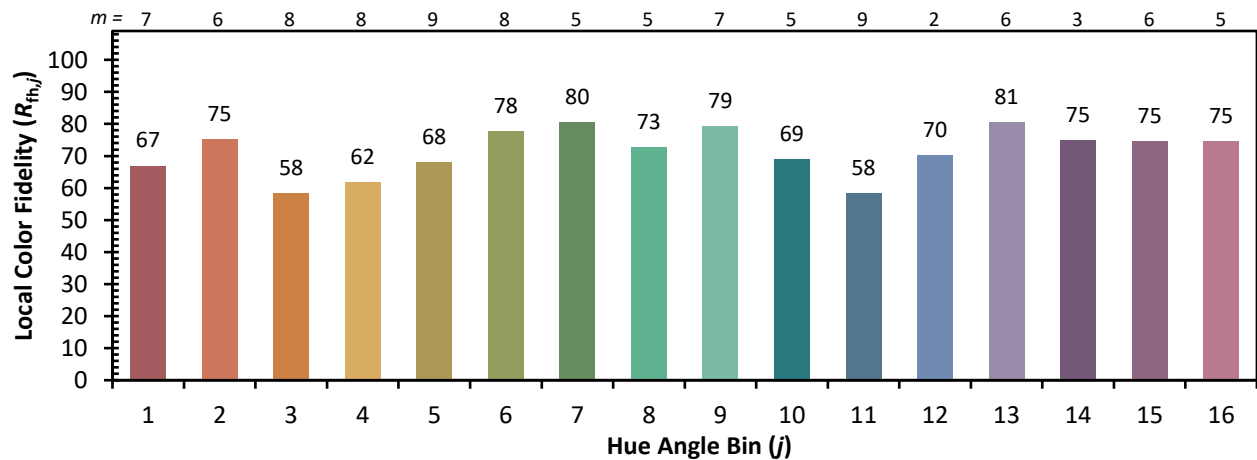
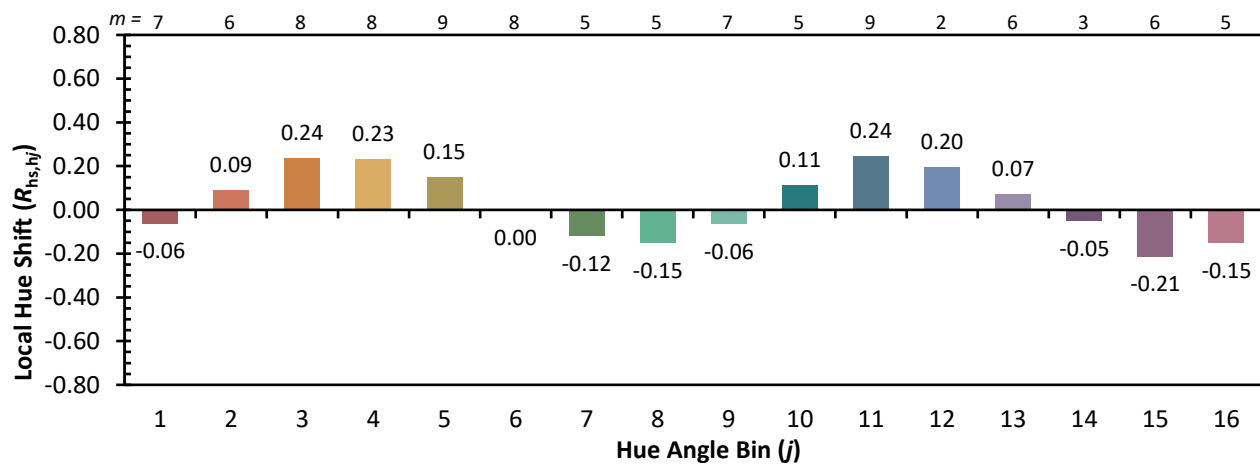
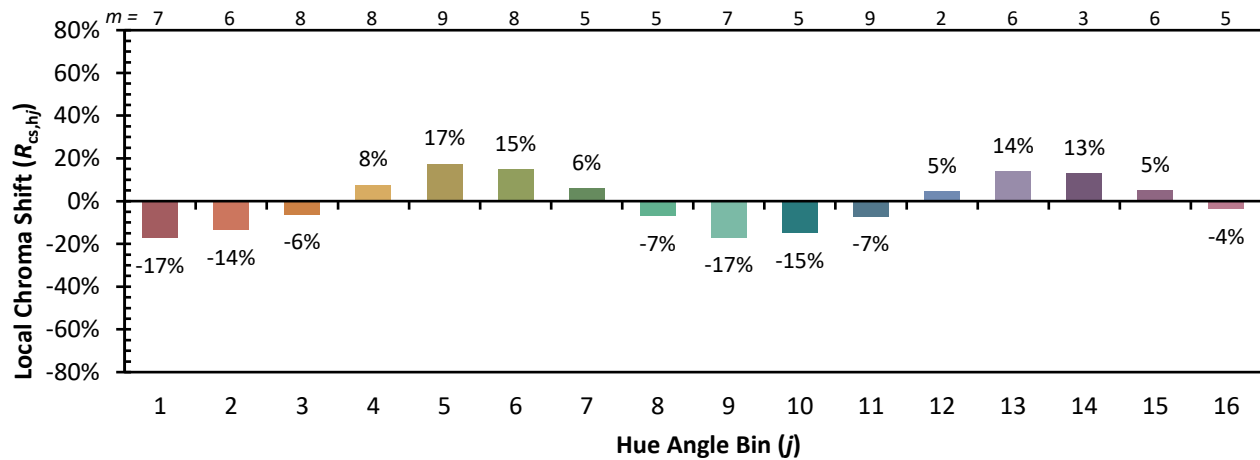


Individual Sample Fidelity Index ($R_{f,i}$)

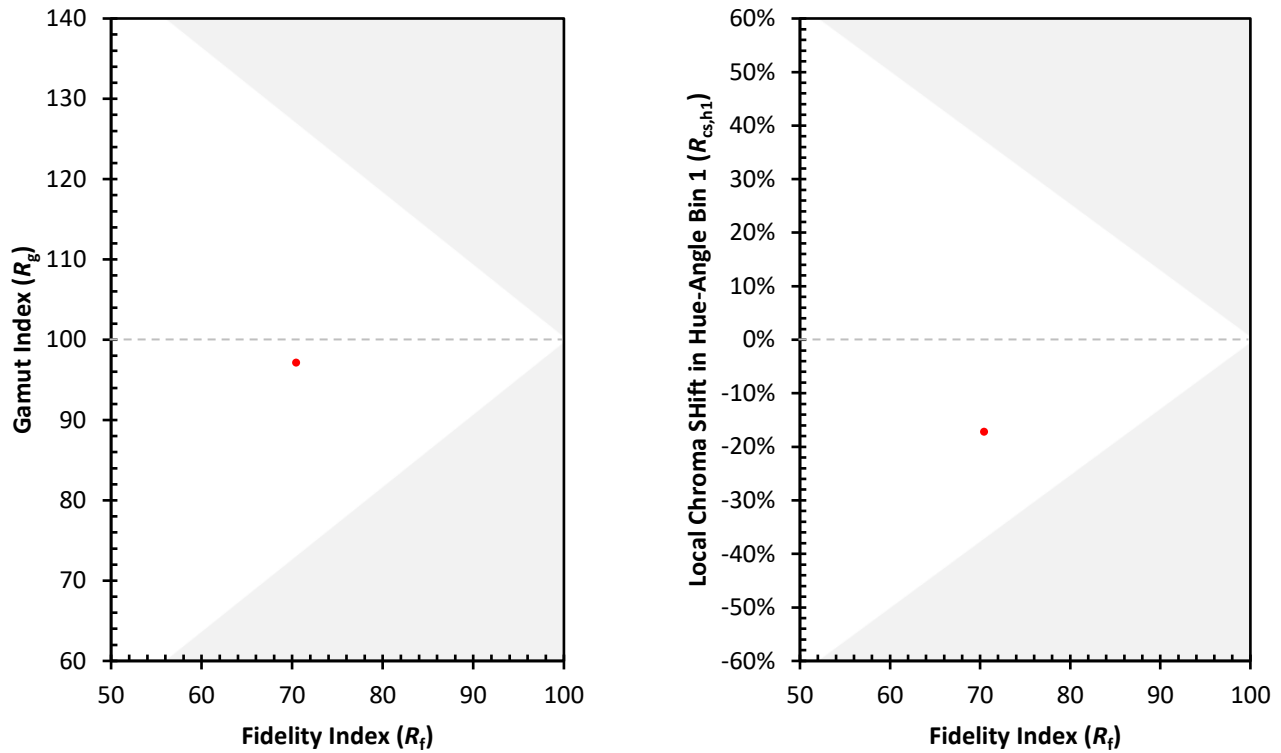
CES01 = 85	CES26 = 52	CES51 = 87	CES76 = 40
CES02 = 59	CES27 = 77	CES52 = 88	CES77 = 62
CES03 = 30	CES28 = 76	CES53 = 74	CES78 = 43
CES04 = 68	CES29 = 46	CES54 = 79	CES79 = 72
CES05 = 45	CES30 = 54	CES55 = 78	CES80 = 68
CES06 = 49	CES31 = 52	CES56 = 67	CES81 = 70
CES07 = 38	CES32 = 49	CES57 = 64	CES82 = 87
CES08 = 37	CES33 = 59	CES58 = 66	CES83 = 81
CES09 = 29	CES34 = 61	CES59 = 87	CES84 = 87
CES10 = 72	CES35 = 78	CES60 = 91	CES85 = 83
CES11 = 55	CES36 = 88	CES61 = 88	CES86 = 75
CES12 = 61	CES37 = 71	CES62 = 77	CES87 = 74
CES13 = 41	CES38 = 64	CES63 = 74	CES88 = 76
CES14 = 74	CES39 = 90	CES64 = 71	CES89 = 75
CES15 = 70	CES40 = 81	CES65 = 63	CES90 = 73
CES16 = 46	CES41 = 82	CES66 = 66	CES91 = 93
CES17 = 48	CES42 = 69	CES67 = 63	CES92 = 69
CES18 = 55	CES43 = 67	CES68 = 71	CES93 = 82
CES19 = 70	CES44 = 98	CES69 = 81	CES94 = 58
CES20 = 63	CES45 = 77	CES70 = 57	CES95 = 72
CES21 = 85	CES46 = 76	CES71 = 54	CES96 = 78
CES22 = 77	CES47 = 73	CES72 = 84	CES97 = 82
CES23 = 91	CES48 = 65	CES73 = 45	CES98 = 70
CES24 = 90	CES49 = 77	CES74 = 92	CES99 = 59
CES25 = 71	CES50 = 85	CES75 = 49	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)