

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: P1065103

Luminaire Tested: **GLAN-SA2C-740-U-LBC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1065103
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (28) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10354.6 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

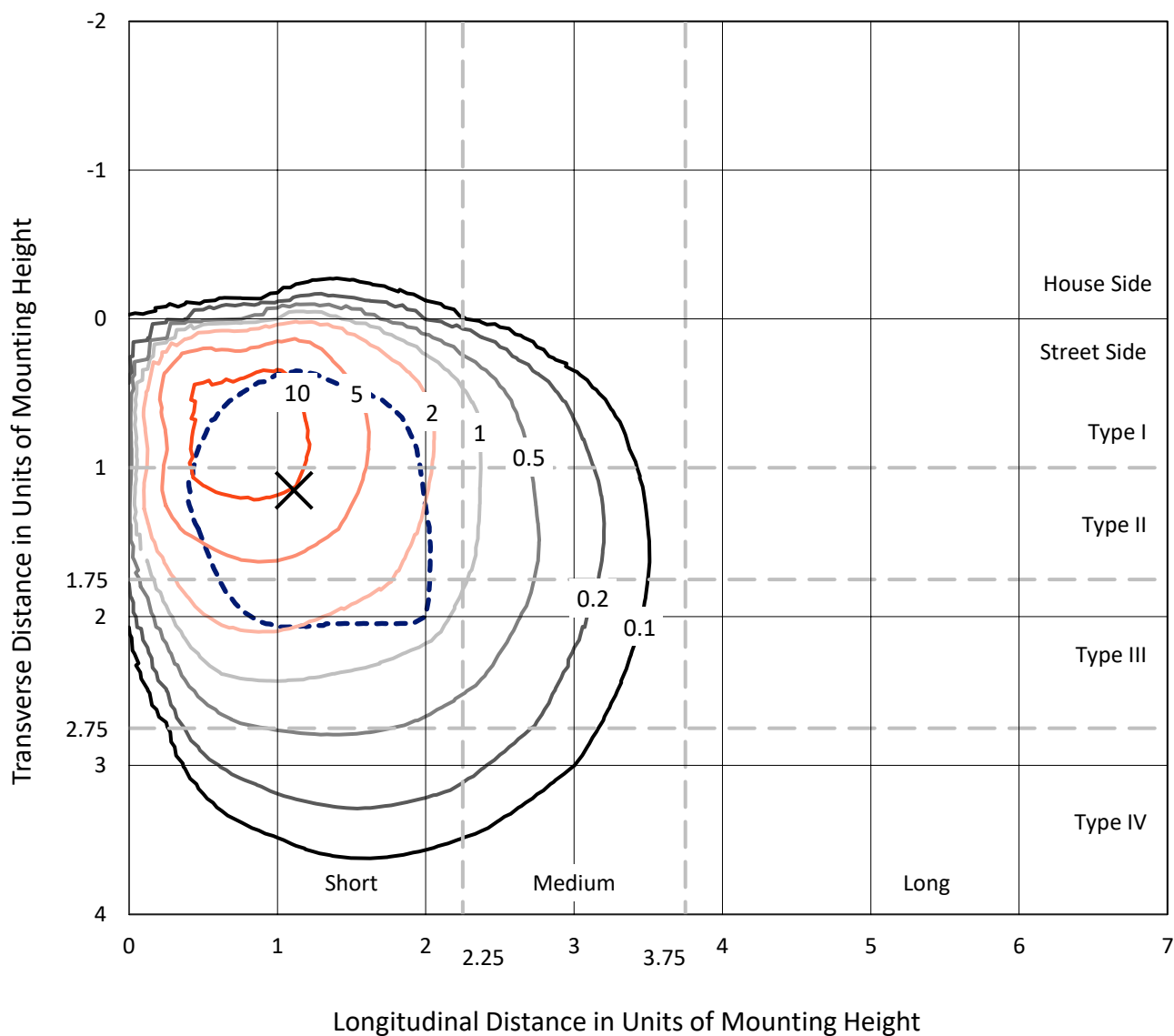
Input Watts (W): 96.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

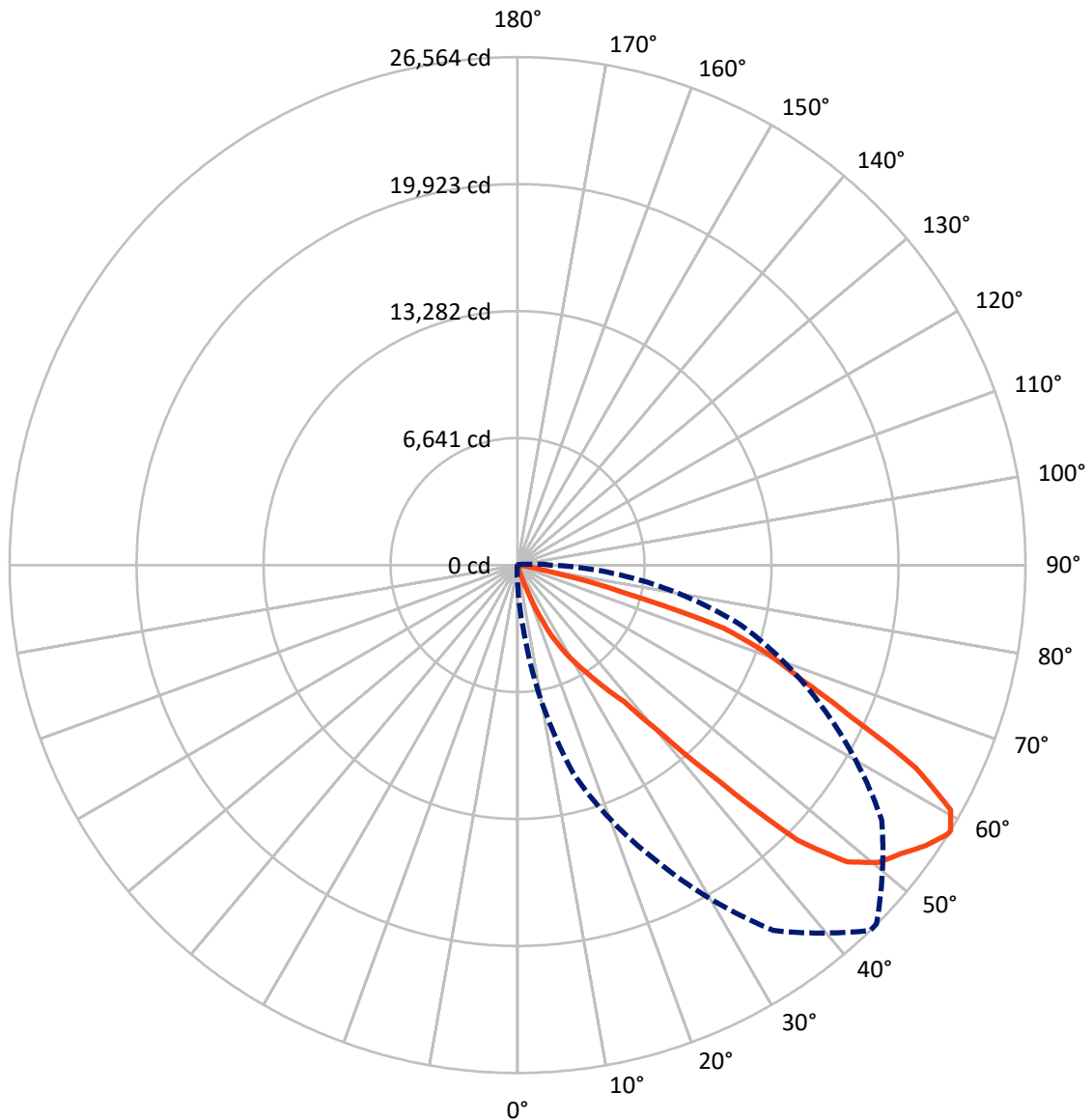
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 18 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	70.7	0.0	70.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	10283.8	0.0	10283.8
	% Fixture	99.3	0.0	99.3
Total	Lumens	10354.6	0.0	10354.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.0
10°-20°	22.7	0.2
20°-30°	245.3	2.4
30°-40°	725.4	7.0
40°-50°	2162.2	20.9
50°-60°	3430.9	33.1
60°-70°	2861.8	27.6
70°-80°	882.6	8.5
80°-90°	19.6	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°	10354.6	100.0
0°-180°	10354.6	100.0



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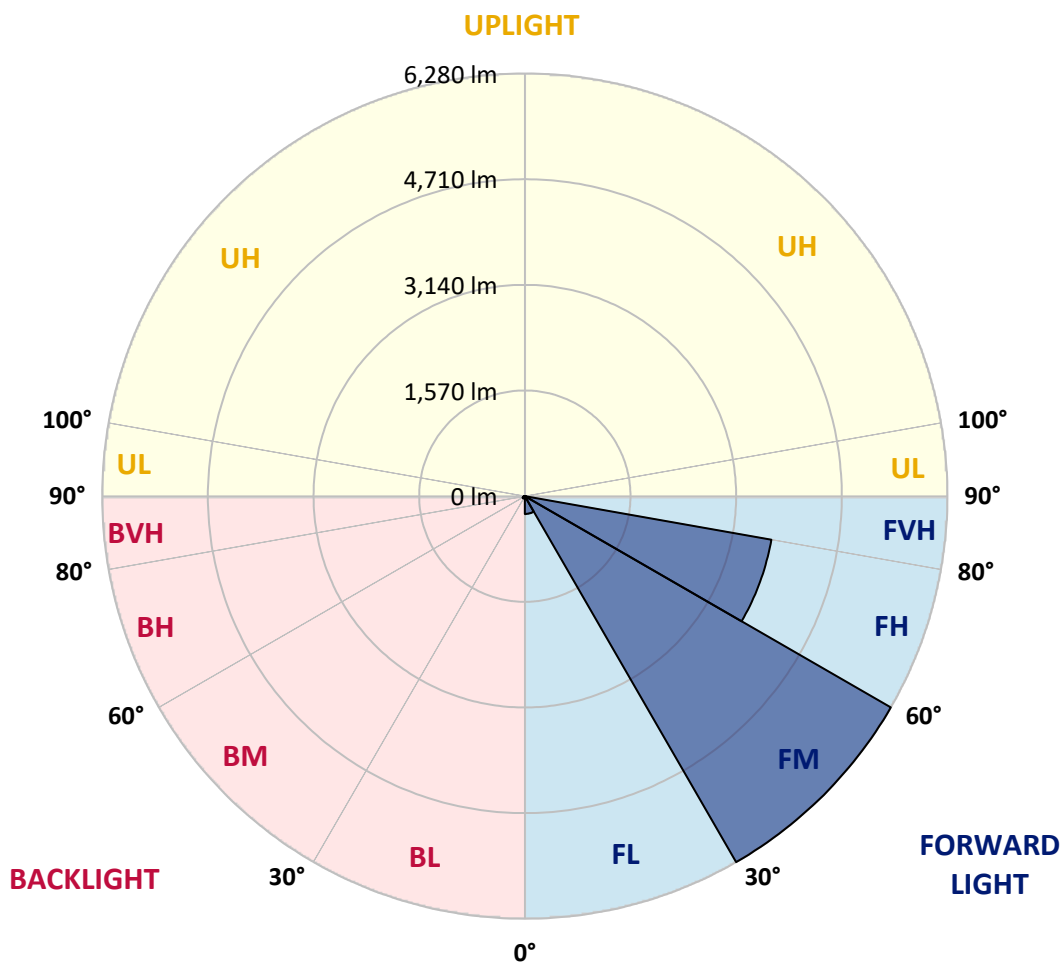
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.1	2.6			
FM	(30°-60°)	6279.8	60.6			
FH	(60°-80°)	3720.2	35.9			G2/5000
FVH	(80°-90°)	18.7	0.2			G1/100
BL	(0°-30°)	6.9	0.1	B0/110		
BM	(30°-60°)	38.7	0.4	B0/220		
BH	(60°-80°)	24.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
2.5°	58.7	58.7	56.3	53.2	50.1	46.9	46.1	44.6	43.8	43.0
5°	61.0	61.0	60.2	57.9	54.8	52.4	52.4	50.1	48.5	46.9
7.5°	62.6	63.4	64.9	64.1	62.6	60.2	60.2	58.7	56.3	52.4
10°	64.9	67.3	70.4	72.0	72.7	72.7	72.0	71.2	67.3	61.8
12.5°	67.3	72.0	79.8	87.6	92.3	98.6	97.8	96.2	86.0	74.3
15°	72.0	79.0	95.4	118.1	153.3	175.2	183.8	176.0	142.4	100.1
17.5°	77.4	89.2	138.4	247.2	405.2	480.3	525.6	488.9	323.8	190.1
20°	82.9	108.7	257.3	640.6	1051.3	1296.9	1364.9	1258.6	808.0	362.2
22.5°	92.3	152.5	521.7	1324.3	2265.2	2633.7	2703.3	2363.0	1526.1	714.9
25°	111.9	221.4	899.5	2158.1	3380.7	4002.5	3973.6	3527.7	2475.7	1142.0
27.5°	140.0	322.3	1360.2	3066.2	4449.1	4997.5	5063.2	4511.7	3300.1	1679.4
30°	180.7	446.6	1854.6	3793.7	5305.7	5898.6	5909.5	5339.3	4037.7	2151.0
32.5°	219.8	564.0	2287.1	4496.9	6149.6	6799.6	6848.1	6146.5	4588.4	2642.3
35°	249.5	640.6	2725.2	5114.8	7000.7	7896.3	7893.2	7060.1	5240.7	3081.1
37.5°	251.9	717.3	3121.8	5746.8	8078.5	9081.3	9180.7	8262.4	6029.2	3623.9
40°	246.4	803.3	3623.9	6732.4	10020.7	11559.3	11646.9	10489.3	7610.8	4553.2
42.5°	252.7	952.7	4439.0	8552.6	13245.7	15455.5	15624.4	14407.3	10518.2	6449.2
45°	285.5	1233.5	6146.5	11597.7	17842.7	20536.6	20480.3	18727.4	13901.2	9335.5
47.5°	394.2	1921.1	8677.7	14561.4	20780.7	23179.7	23228.2	21085.7	15875.5	11554.6
50°	606.2	2939.5	10804.5	16128.1	22043.9	24450.7	24405.4	21929.7	16625.6	12647.4
52.5°	788.5	3676.3	11871.4	16678.0	22205.8	25078.8	25075.7	22151.9	16742.2	12741.2
55°	833.8	3731.9	11880.0	16707.8	22568.8	25900.9	26004.2	22698.6	16893.1	12331.4
57.5°	815.8	3304.0	11384.1	16879.8	23214.9	26536.9	26542.3	23228.2	17276.4	12080.3
58°	800.2	3236.7	11284.0	16977.6	23325.9	26563.5	26550.2	23252.4	17588.5	12070.9
60°	712.6	2810.4	10893.7	17227.1	23160.9	26017.5	25893.1	22722.9	17542.4	11974.7
62.5°	560.1	2192.5	10509.6	16938.5	21391.6	23374.4	23426.1	20117.4	15992.0	11413.8
65°	445.9	1634.0	9708.6	14857.9	17615.1	19195.1	19387.6	16358.9	13348.2	9664.8
67.5°	355.1	1181.1	8144.2	11829.2	13938.8	16020.2	16160.2	13734.6	10341.4	7405.1
70°	288.6	798.6	5621.7	8651.1	11496.7	13837.1	13845.7	11409.9	7718.7	4852.0
72.5°	255.8	553.0	3263.3	6309.2	9322.2	11275.4	11047.8	9258.9	5932.2	2873.8
75°	221.4	366.9	1600.4	3857.0	5652.2	5690.5	5777.3	4295.1	2965.3	1366.5
77.5°	182.3	260.5	630.5	1053.6	1695.0	2169.8	2250.4	1705.2	986.4	336.3
80°	125.2	123.6	169.7	323.0	485.0	607.8	567.1	438.8	258.1	129.1
82.5°	54.0	58.7	76.7	92.3	75.1	72.7	69.6	44.6	34.4	26.6
85°	17.2	15.6	16.4	16.4	13.3	10.2	10.2	4.7	0.0	0.0
87.5°	8.6	7.0	7.0	6.3	3.9	1.6	0.8	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°
45.4	0°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
42.2	2.5°	41.5	41.5	39.9	38.3	37.5	36.0	35.2	34.4	33.6	32.9
45.4	5°	43.8	43.0	40.7	38.3	36.0	33.6	32.1	30.5	28.9	28.2
50.1	7.5°	47.7	46.1	41.5	37.5	34.4	31.3	29.7	27.4	25.8	23.5
55.5	10°	52.4	49.3	43.0	38.3	33.6	29.7	27.4	25.0	22.7	19.6
63.4	12.5°	58.7	53.2	45.4	37.5	32.1	27.4	25.0	21.9	19.6	17.2
73.5	15°	64.1	57.1	46.1	37.5	30.5	25.0	21.9	18.8	16.4	13.3
92.3	17.5°	72.0	60.2	45.4	35.2	28.2	21.9	18.8	16.4	12.5	7.8
136.9	20°	85.3	62.6	43.8	32.9	24.2	18.0	14.1	11.0	5.5	1.6
205.7	22.5°	106.4	68.8	42.2	29.7	21.1	14.1	9.4	3.9	0.0	0.0
312.9	25°	147.1	79.8	42.2	28.2	18.8	10.2	3.1	0.0	0.0	0.0
444.3	27.5°	195.5	94.6	42.2	24.2	14.9	5.5	0.0	0.0	0.0	0.0
605.4	30°	244.8	111.1	42.2	21.1	11.7	0.8	0.0	0.0	0.0	0.0
745.4	32.5°	291.8	125.2	43.0	18.0	7.8	0.0	0.0	0.0	0.0	0.0
939.4	35°	339.5	127.5	42.2	15.6	4.7	0.0	0.0	0.0	0.0	0.0
1177.2	37.5°	400.5	122.8	39.9	14.1	2.3	0.0	0.0	0.0	0.0	0.0
1548.8	40°	492.8	125.2	37.5	13.3	0.8	0.0	0.0	0.0	0.0	0.0
2211.3	42.5°	663.3	135.3	34.4	13.3	0.0	0.0	0.0	0.0	0.0	0.0
3522.2	45°	1146.7	181.5	31.3	14.1	0.0	0.0	0.0	0.0	0.0	0.0
5287.7	47.5°	1896.8	326.2	30.5	14.1	0.0	0.0	0.0	0.0	0.0	0.0
6369.4	50°	2420.9	410.7	32.1	14.9	0.0	0.0	0.0	0.0	0.0	0.0
6504.8	52.5°	2417.0	457.6	33.6	15.6	3.1	0.0	0.0	0.0	0.0	0.0
5995.5	55°	2148.7	466.2	36.0	17.2	10.2	0.0	0.0	0.0	0.0	0.0
5152.3	57.5°	1795.9	425.5	41.5	21.1	18.8	0.0	0.0	0.0	0.0	0.0
5020.1	58°	1733.4	406.7	43.0	21.9	20.3	0.0	0.0	0.0	0.0	0.0
4354.5	60°	1420.5	331.7	54.8	27.4	27.4	0.0	0.0	0.0	0.0	0.0
3570.0	62.5°	980.9	289.4	62.6	35.2	28.2	0.0	0.0	0.0	0.0	0.0
2632.1	65°	693.8	261.3	68.1	37.5	22.7	0.0	0.0	0.0	0.0	0.0
1870.2	67.5°	518.6	240.9	75.1	38.3	11.7	0.0	0.0	0.0	0.0	0.0
1173.3	70°	397.4	226.1	92.3	40.7	3.1	0.0	0.0	0.0	0.0	0.0
699.3	72.5°	323.8	208.8	111.9	42.2	0.0	0.0	0.0	0.0	0.0	0.0
419.3	75°	268.3	188.5	107.9	46.1	0.0	0.0	0.0	0.0	0.0	0.0
223.7	77.5°	178.3	146.3	98.6	46.1	0.0	0.0	0.0	0.0	0.0	0.0
79.8	80°	62.6	57.9	76.7	40.7	0.0	0.0	0.0	0.0	0.0	0.0
16.4	82.5°	9.4	7.8	11.0	14.1	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°
45.4	0°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
32.1	2.5°	32.1	32.1	31.3	32.1	32.1	33.6	37.5	43.0	49.3	51.6
27.4	5°	26.6	25.8	25.0	25.0	25.0	27.4	30.5	36.8	43.8	46.9
22.7	7.5°	21.9	21.1	20.3	19.6	19.6	21.1	25.0	32.1	39.1	42.2
18.8	10°	18.0	16.4	15.6	14.9	14.9	16.4	20.3	27.4	35.2	38.3
15.6	12.5°	14.9	12.5	11.0	10.2	9.4	11.7	15.6	21.9	30.5	34.4
11.7	15°	10.2	7.8	5.5	4.7	3.9	6.3	10.2	17.2	25.8	30.5
6.3	17.5°	5.5	2.3	0.8	0.0	0.0	1.6	4.7	12.5	21.1	25.0
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	15.6	19.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	9.4	13.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	2.3
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.3
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°
45.4	0°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
54.0	2.5°	55.5	54.8	53.2	51.6	51.6	51.6	54.0	56.3	58.7	58.7
48.5	5°	51.6	51.6	50.8	49.3	49.3	50.1	53.2	57.1	60.2	61.0
44.6	7.5°	47.7	49.3	47.7	46.9	47.7	48.5	51.6	56.3	61.0	62.6
41.5	10°	45.4	46.1	46.1	45.4	45.4	46.9	50.1	56.3	62.6	64.9
37.5	12.5°	42.2	43.8	43.0	43.0	43.0	44.6	48.5	55.5	64.1	67.3
33.6	15°	39.1	41.5	41.5	40.7	40.7	41.5	46.9	54.8	66.5	72.0
28.9	17.5°	36.0	38.3	39.1	37.5	37.5	39.1	44.6	54.8	68.1	77.4
23.5	20°	29.7	33.6	36.0	33.6	33.6	35.2	40.7	51.6	68.8	82.9
17.2	22.5°	23.5	27.4	30.5	29.7	29.7	30.5	37.5	49.3	69.6	92.3
10.2	25°	17.2	21.1	23.5	25.0	25.0	27.4	34.4	47.7	72.7	111.9
4.7	27.5°	10.2	14.9	18.0	19.6	20.3	23.5	32.1	46.1	78.2	140.0
0.0	30°	4.7	8.6	12.5	15.6	15.6	21.1	29.7	44.6	85.3	180.7
0.0	32.5°	0.0	3.9	6.3	11.0	11.7	17.2	27.4	43.0	95.4	219.8
0.0	35°	0.0	0.0	3.1	8.6	8.6	14.1	25.0	41.5	111.1	249.5
0.0	37.5°	0.0	0.0	0.0	6.3	7.0	12.5	24.2	40.7	114.2	251.9
0.0	40°	0.0	0.0	0.0	4.7	5.5	11.7	24.2	41.5	103.3	246.4
0.0	42.5°	0.0	0.0	0.0	3.1	3.9	11.7	24.2	43.0	93.1	252.7
0.0	45°	0.0	0.0	0.0	2.3	3.1	12.5	23.5	42.2	87.6	285.5
0.0	47.5°	0.0	0.0	0.0	3.1	4.7	12.5	22.7	41.5	88.4	394.2
0.0	50°	0.0	0.0	0.0	3.9	5.5	12.5	23.5	39.9	97.0	606.2
0.0	52.5°	0.0	0.0	0.0	3.1	4.7	14.1	25.8	39.1	105.6	788.5
0.0	55°	0.0	0.0	0.0	0.8	2.3	18.0	28.2	39.1	118.9	833.8
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	20.3	32.1	41.5	140.8	815.8
0.0	58°	0.0	0.0	0.0	0.0	0.0	20.3	32.9	41.5	142.4	800.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	20.3	36.0	46.1	153.3	712.6
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	17.2	43.0	57.9	159.6	560.1
0.0	65°	0.0	0.0	0.0	0.0	0.0	14.1	50.8	63.4	164.3	445.9
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	13.3	52.4	64.1	166.6	355.1
0.0	70°	0.0	0.0	0.0	0.0	0.0	14.1	51.6	68.8	174.4	288.6
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	15.6	46.9	75.9	174.4	255.8
0.0	75°	0.0	0.0	0.0	0.0	0.0	16.4	43.8	85.3	158.8	221.4
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	15.6	43.0	99.3	141.6	182.3
0.0	80°	1.6	2.3	2.3	1.6	1.6	13.3	42.2	100.9	120.5	125.2
0.8	82.5°	4.7	6.3	5.5	3.9	3.9	11.7	37.5	84.5	62.6	54.0
4.7	85°	8.6	10.2	10.2	8.6	8.6	11.0	23.5	30.5	21.1	17.2
8.6	87.5°	11.7	13.3	13.3	11.7	11.7	11.0	10.2	9.4	8.6	8.6
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: SP1-2407-184-1

Test Date: 10/09/2024

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

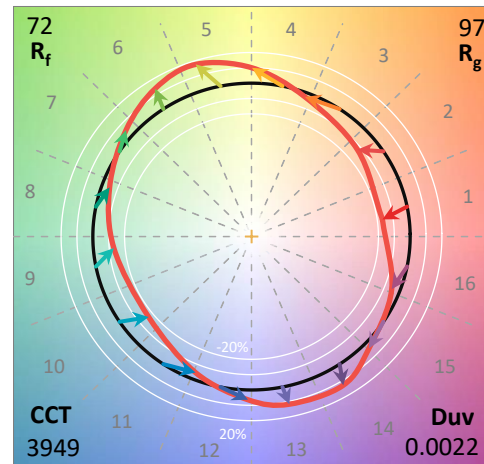
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

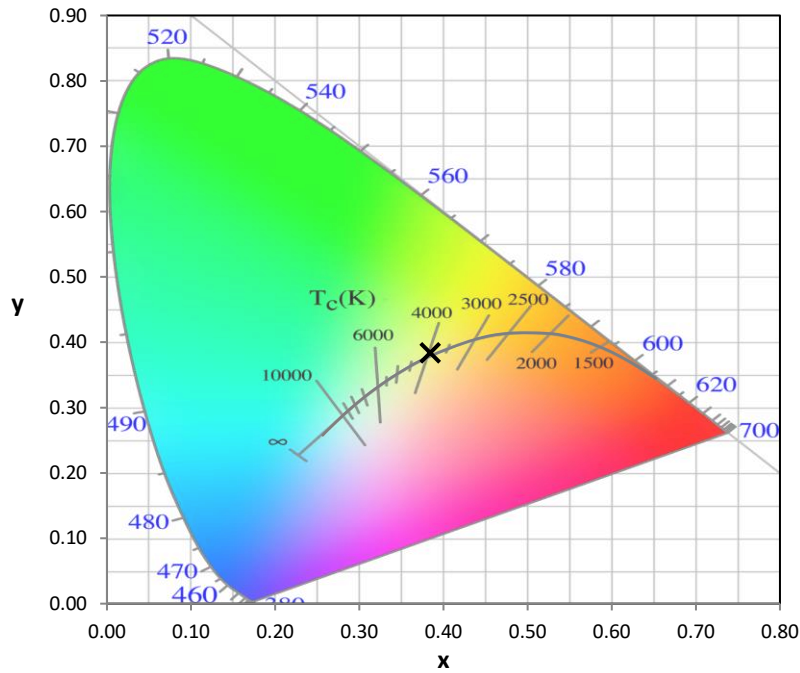
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-1

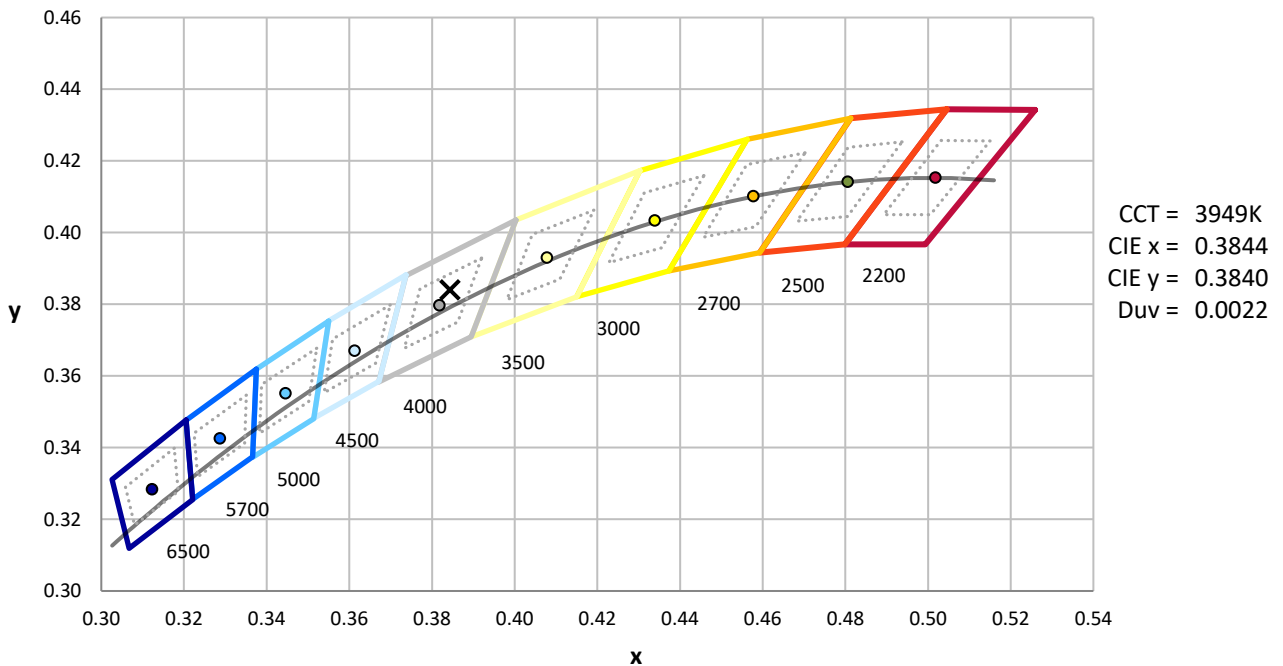
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085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



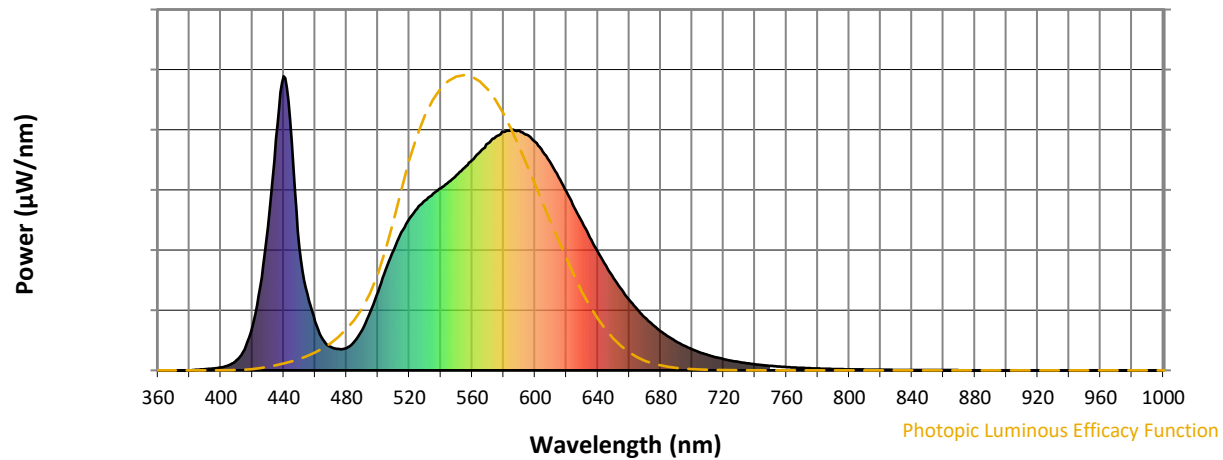
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-1

Photopic Flux vs. Wavelength

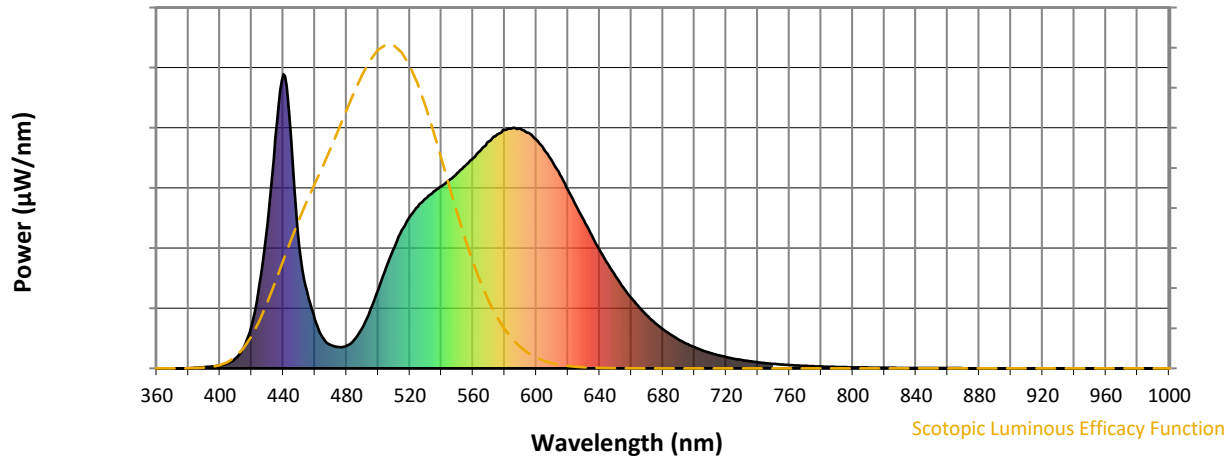


Photopic Lumens: NR

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



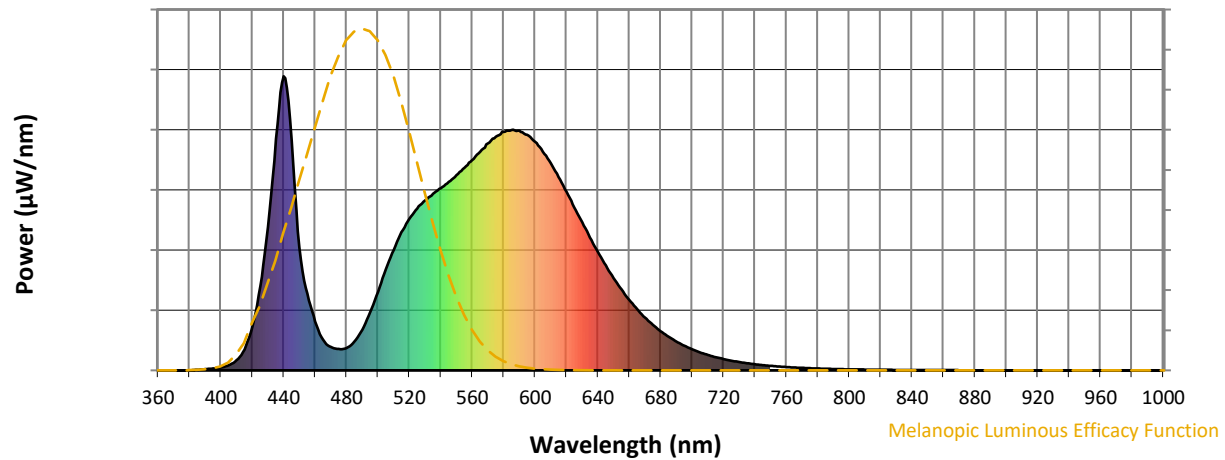
Scotopic Lumens: NR

S/P: 1.47

λ (nm)	Power 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

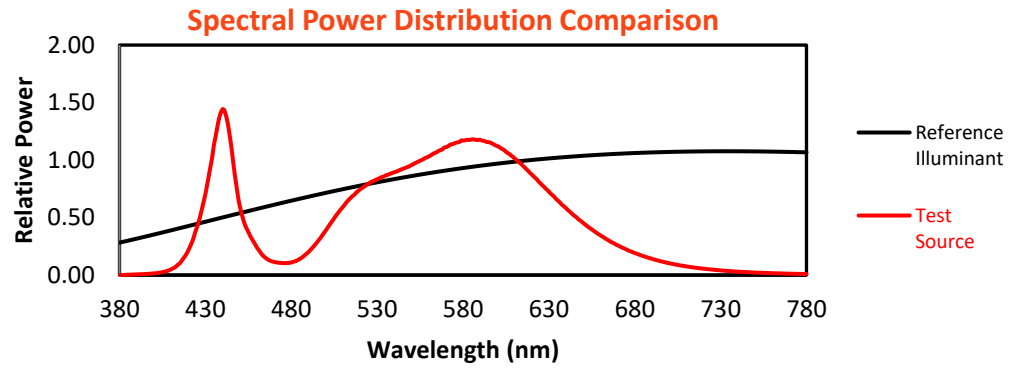
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267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

REPORT NUMBER: SP1-2407-184-1

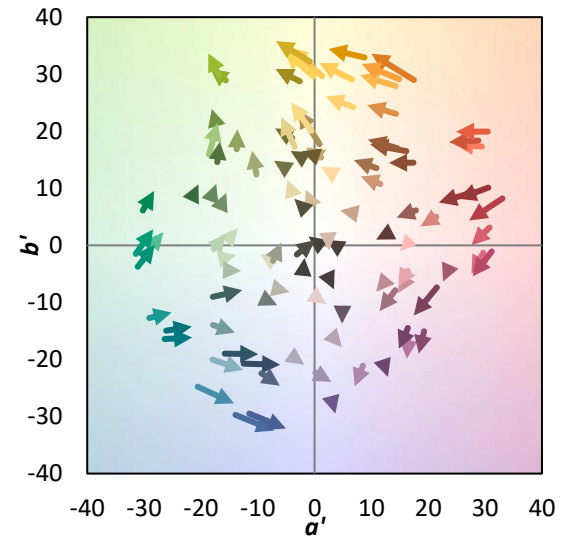
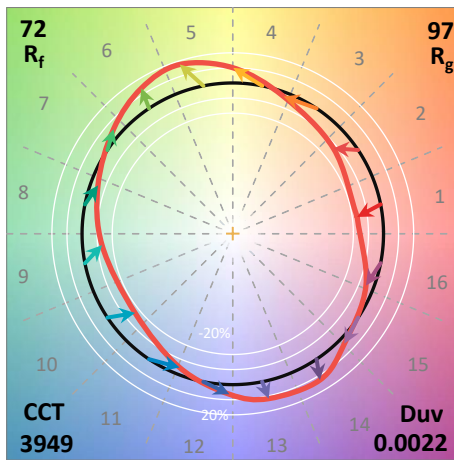
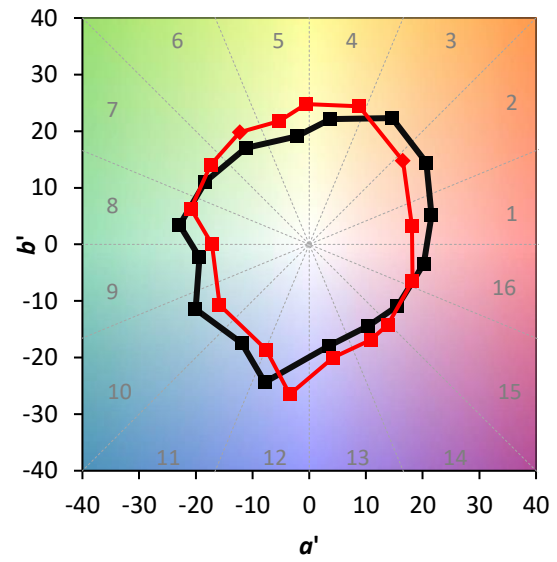
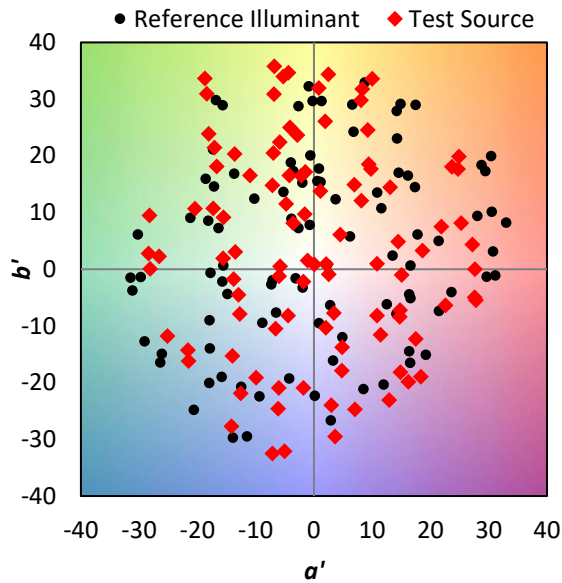
TM-30-18

Summary

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

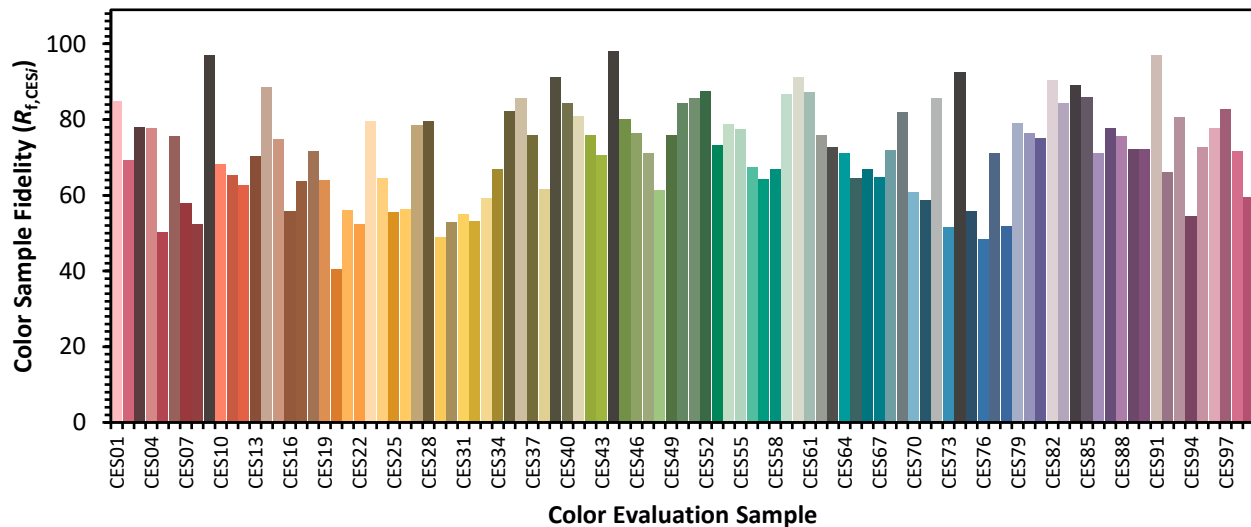


Color Vector Graphics

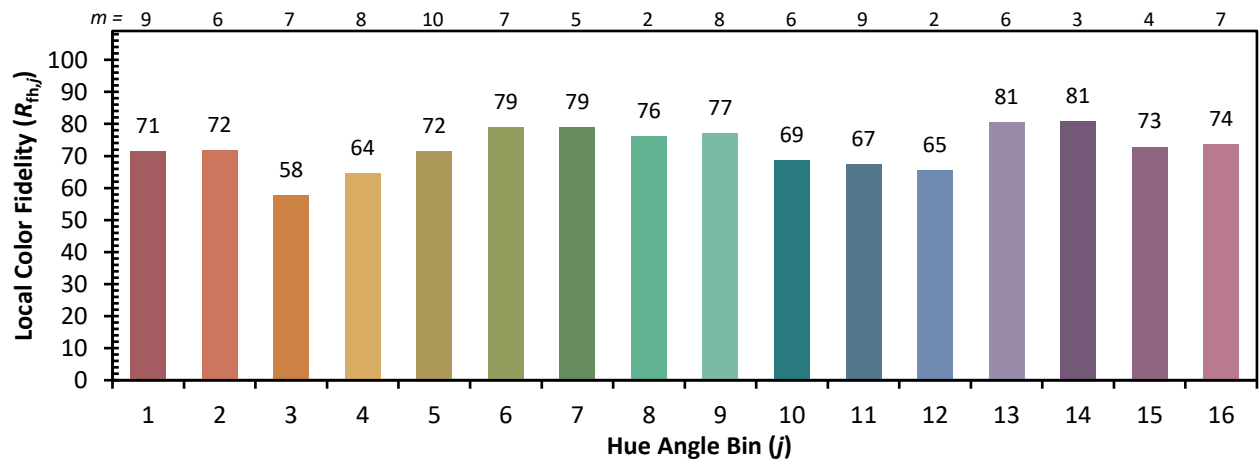
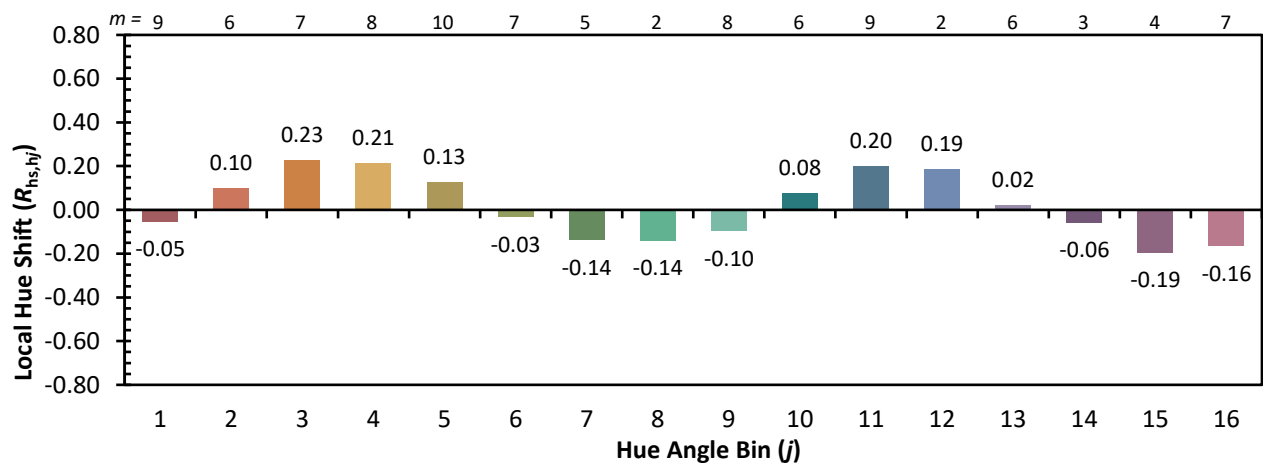
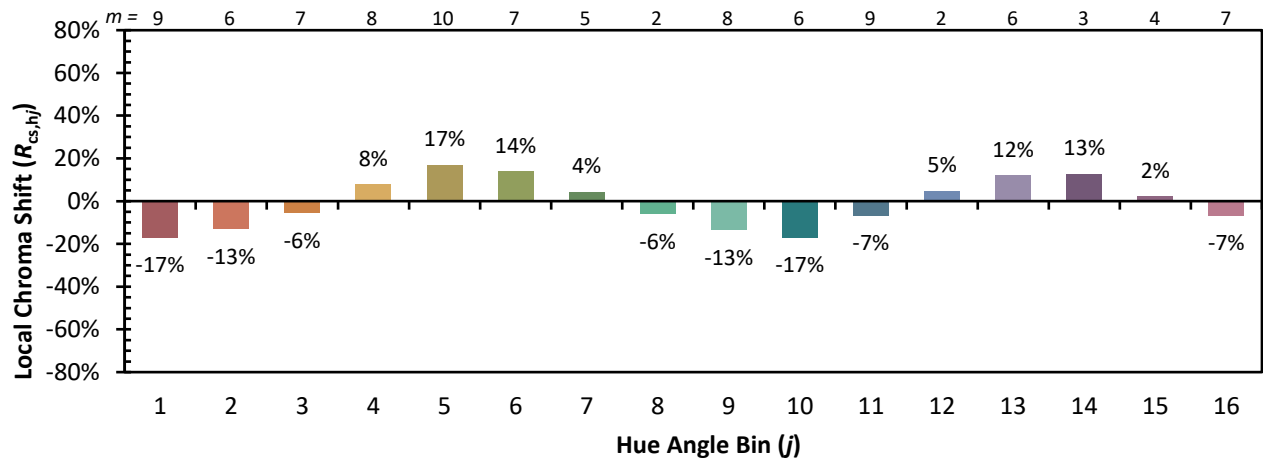


Individual Sample Fidelity Index ($R_{f,i}$)

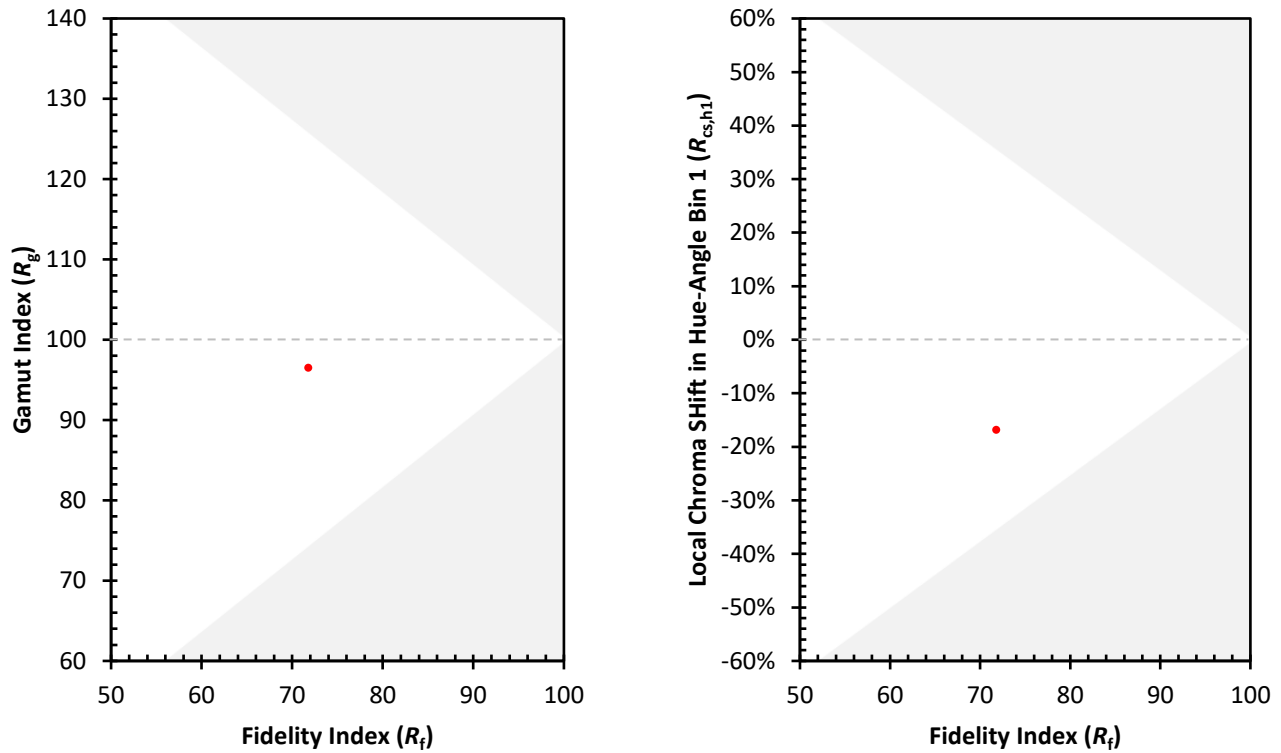
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82 = 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)