

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: P1049466

Luminaire Tested: **GALN-SA2B-740-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049466
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2B-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 800mA 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: 8351 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

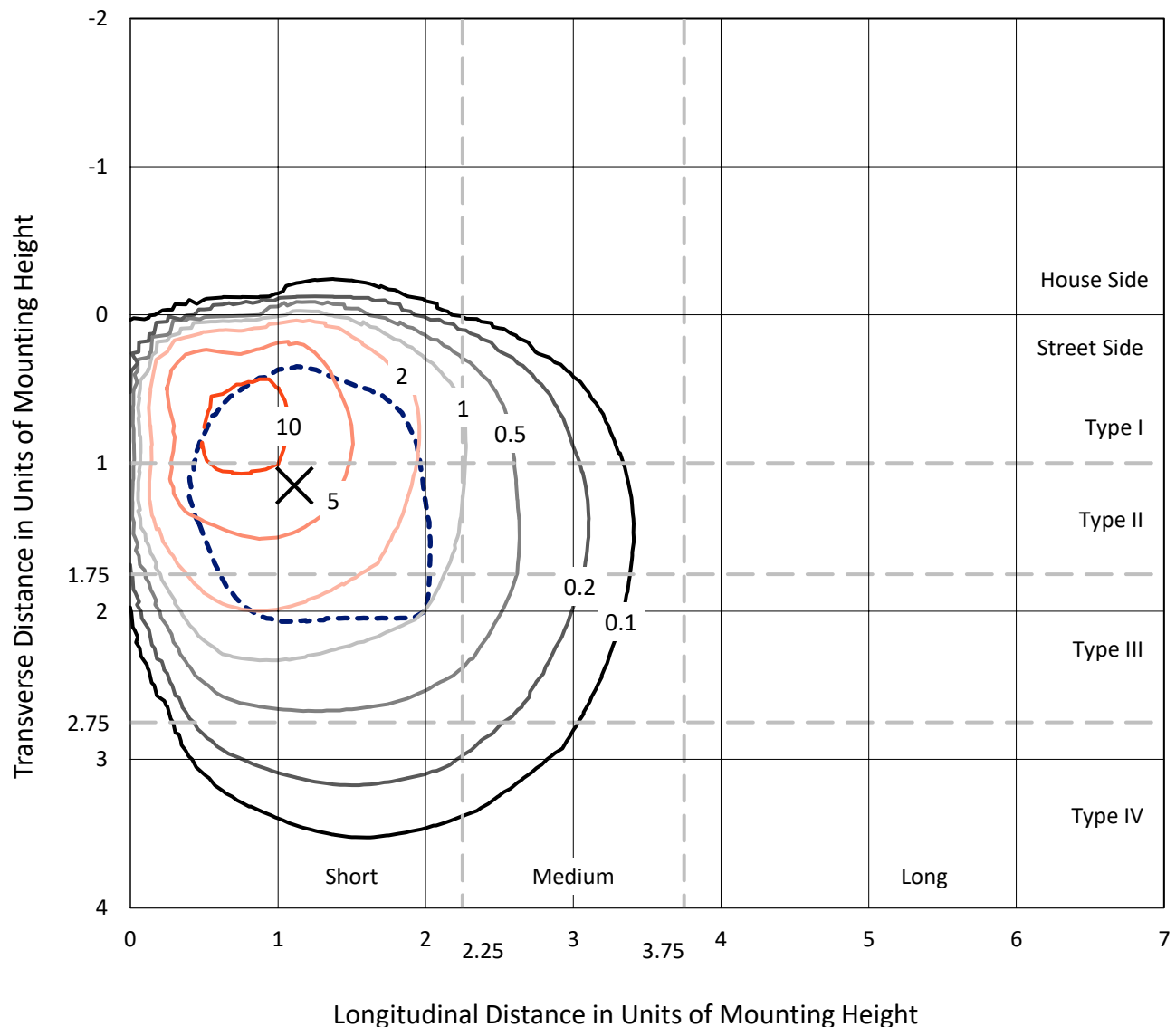
Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049466

CATALOG NUMBER: GALN-SA2B-740-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

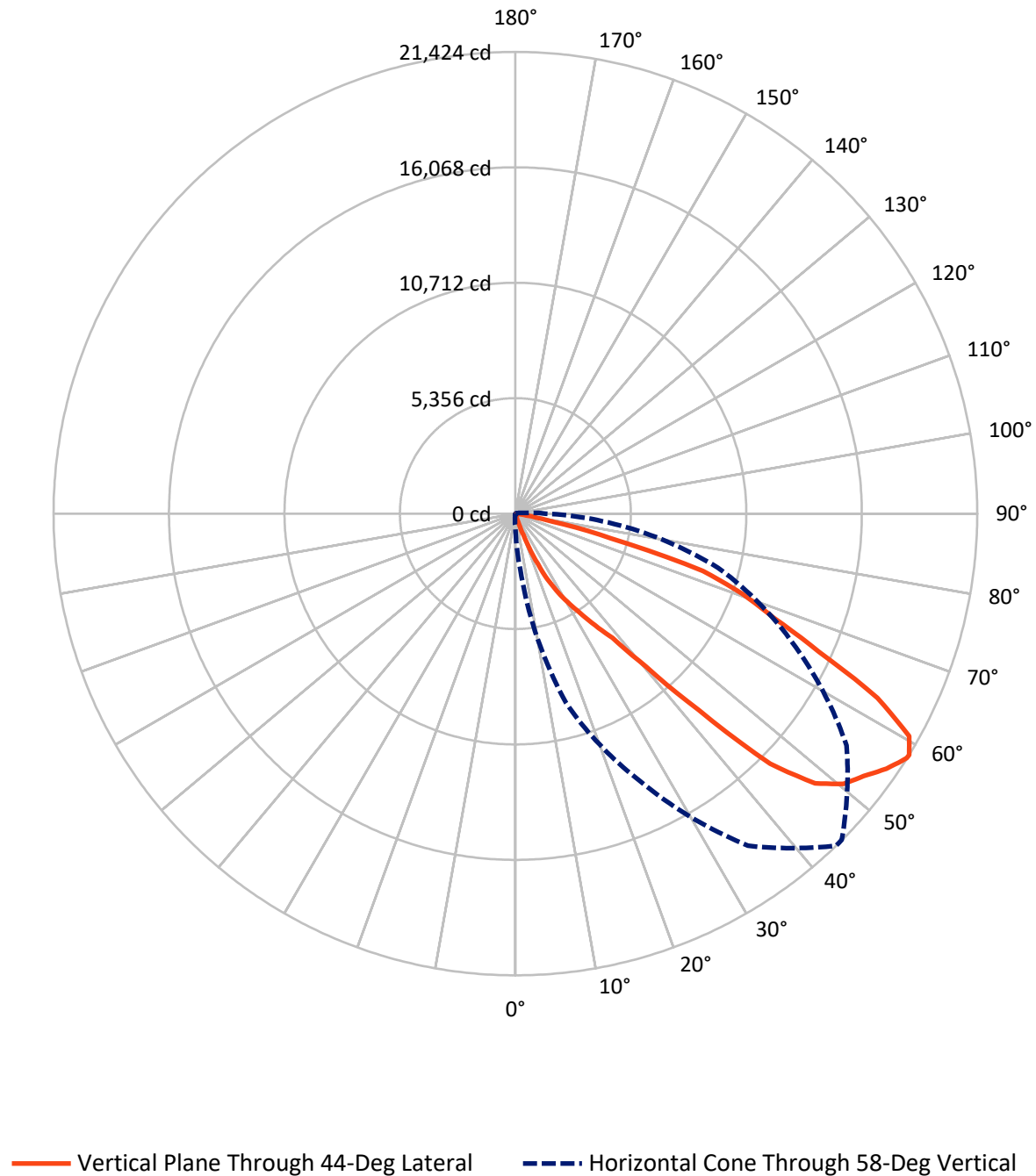
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 14.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1049466
CATALOG NUMBER: GALN-SA2B-740-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049466

CATALOG NUMBER: GALN-SA2B-740-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.0	0.0	57.0
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	8294.0	0.0	8294.0
	% Fixture	99.3	0.0	99.3
Total	Lumens	8351.0	0.0	8351.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.0
10°-20°	18.3	0.2
20°-30°	197.8	2.4
30°-40°	585.1	7.0
40°-50°	1743.8	20.9
50°-60°	2767.0	33.1
60°-70°	2308.0	27.6
70°-80°	711.8	8.5
80°-90°	15.8	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°	8351.0	100.0
0°-180°	8351.0	100.0



REPORT NUMBER: P1049466

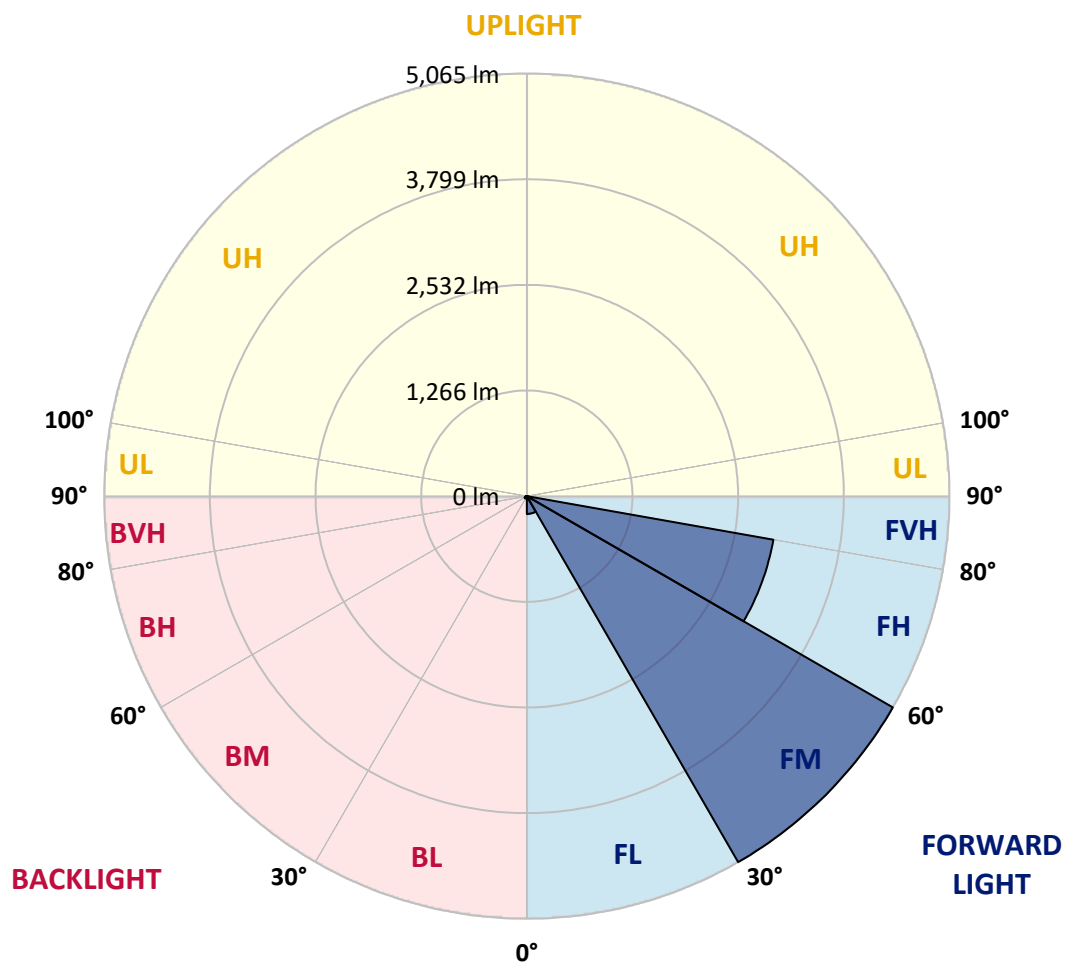
CATALOG NUMBER: GALN-SA2B-740-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.8	2.6			
FM	(30°-60°)	5064.7	60.6			
FH	(60°-80°)	3000.4	35.9			G2/5000
FVH	(80°-90°)	15.0	0.2			G1/100
BL	(0°-30°)	5.6	0.1	B0/110		
BM	(30°-60°)	31.2	0.4	B0/220		
BH	(60°-80°)	19.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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-G2

Type III Short



REPORT NUMBER: P1049466

CATALOG NUMBER: GALN-SA2B-740-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
2.5°	47.3	47.3	45.4	42.9	40.4	37.9	37.2	36.0	35.3	34.7
5°	49.2	49.2	48.6	46.7	44.2	42.3	42.3	40.4	39.1	37.9
7.5°	50.5	51.1	52.4	51.7	50.5	48.6	48.6	47.3	45.4	42.3
10°	52.4	54.3	56.8	58.0	58.7	58.7	58.0	57.4	54.3	49.8
12.5°	54.3	58.0	64.3	70.7	74.4	79.5	78.9	77.6	69.4	59.9
15°	58.0	63.7	77.0	95.3	123.6	141.3	148.2	141.9	114.8	80.7
17.5°	62.5	71.9	111.7	199.3	326.8	387.3	423.9	394.3	261.2	153.3
20°	66.9	87.7	207.5	516.7	847.9	1045.9	1100.8	1015.0	651.7	292.1
22.5°	74.4	123.0	420.8	1068.0	1826.9	2124.1	2180.2	1905.8	1230.8	576.6
25°	90.2	178.5	725.5	1740.5	2726.5	3228.0	3204.7	2845.1	1996.6	921.0
27.5°	112.9	259.9	1097.0	2472.9	3588.2	4030.5	4083.5	3638.7	2661.5	1354.4
30°	145.7	360.2	1495.7	3059.6	4279.0	4757.2	4766.0	4306.1	3256.4	1734.8
32.5°	177.3	454.8	1844.6	3626.7	4959.7	5483.9	5523.1	4957.2	3700.5	2131.0
35°	201.2	516.7	2197.9	4125.1	5646.1	6368.4	6365.9	5694.0	4226.7	2484.9
37.5°	203.1	578.5	2517.7	4634.8	6515.4	7324.1	7404.2	6663.6	4862.6	2922.7
40°	198.7	647.9	2922.7	5429.7	8081.8	9322.6	9393.3	8459.6	6138.1	3672.2
42.5°	203.8	768.4	3580.0	6897.7	10682.7	12464.9	12601.1	11619.5	8483.0	5201.3
45°	230.3	994.8	4957.2	9353.5	14390.2	16562.8	16517.4	15103.7	11211.4	7529.1
47.5°	317.9	1549.4	6998.6	11743.8	16759.7	18694.5	18733.6	17005.7	12803.6	9318.8
50°	488.9	2370.7	8713.9	13007.4	17778.5	19719.6	19683.0	17686.4	13408.6	10200.1
52.5°	635.9	2965.0	9574.3	13450.9	17909.1	20226.2	20223.6	17865.5	13502.6	10275.8
55°	672.5	3009.8	9581.3	13474.9	18201.8	20889.2	20972.5	18306.5	13624.4	9945.3
57.5°	658.0	2664.7	9181.3	13613.6	18722.9	21402.1	21406.5	18733.6	13933.5	9742.8
58°	645.4	2610.4	9100.6	13692.5	18812.4	21423.5	21412.8	18753.1	14185.2	9735.2
60°	574.7	2266.6	8785.8	13893.7	18679.3	20983.2	20882.9	18326.1	14148.0	9657.6
62.5°	451.7	1768.3	8476.0	13661.0	17252.4	18851.5	18893.2	16224.7	12897.6	9205.3
65°	359.6	1317.8	7830.1	11982.9	14206.6	15480.9	15636.1	13193.5	10765.4	7794.7
67.5°	286.4	952.6	6568.4	9540.3	11241.7	12920.3	13033.3	11077.0	8340.4	5972.2
70°	232.8	644.1	4533.9	6977.1	9272.2	11159.7	11166.6	9202.1	6225.2	3913.1
72.5°	206.3	446.0	2631.9	5088.4	7518.4	9093.6	8910.1	7467.3	4784.3	2317.7
75°	178.5	295.9	1290.7	3110.7	4558.5	4589.4	4659.4	3464.0	2391.5	1102.1
77.5°	147.0	210.1	508.5	849.7	1367.0	1750.0	1814.9	1375.2	795.5	271.3
80°	100.9	99.7	136.9	260.5	391.1	490.2	457.4	353.9	208.2	104.1
82.5°	43.5	47.3	61.8	74.4	60.6	58.7	56.1	36.0	27.8	21.4
85°	13.9	12.6	13.2	13.2	10.7	8.2	8.2	3.8	0.0	0.0
87.5°	6.9	5.7	5.7	5.0	3.2	1.3	0.6	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

REPORT NUMBER: P1049466

CATALOG NUMBER: GALN-SA2B-740-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
36.6	0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
34.1	2.5°	33.4	33.4	32.2	30.9	30.3	29.0	28.4	27.8	27.1	26.5
36.6	5°	35.3	34.7	32.8	30.9	29.0	27.1	25.9	24.6	23.3	22.7
40.4	7.5°	38.5	37.2	33.4	30.3	27.8	25.2	24.0	22.1	20.8	18.9
44.8	10°	42.3	39.7	34.7	30.9	27.1	24.0	22.1	20.2	18.3	15.8
51.1	12.5°	47.3	42.9	36.6	30.3	25.9	22.1	20.2	17.7	15.8	13.9
59.3	15°	51.7	46.1	37.2	30.3	24.6	20.2	17.7	15.1	13.2	10.7
74.4	17.5°	58.0	48.6	36.6	28.4	22.7	17.7	15.1	13.2	10.1	6.3
110.4	20°	68.8	50.5	35.3	26.5	19.6	14.5	11.4	8.8	4.4	1.3
165.9	22.5°	85.8	55.5	34.1	24.0	17.0	11.4	7.6	3.2	0.0	0.0
252.3	25°	118.6	64.3	34.1	22.7	15.1	8.2	2.5	0.0	0.0	0.0
358.3	27.5°	157.7	76.3	34.1	19.6	12.0	4.4	0.0	0.0	0.0	0.0
488.3	30°	197.5	89.6	34.1	17.0	9.5	0.6	0.0	0.0	0.0	0.0
601.2	32.5°	235.3	100.9	34.7	14.5	6.3	0.0	0.0	0.0	0.0	0.0
757.6	35°	273.8	102.8	34.1	12.6	3.8	0.0	0.0	0.0	0.0	0.0
949.4	37.5°	323.0	99.0	32.2	11.4	1.9	0.0	0.0	0.0	0.0	0.0
1249.1	40°	397.4	100.9	30.3	10.7	0.6	0.0	0.0	0.0	0.0	0.0
1783.4	42.5°	535.0	109.1	27.8	10.7	0.0	0.0	0.0	0.0	0.0	0.0
2840.7	45°	924.8	146.4	25.2	11.4	0.0	0.0	0.0	0.0	0.0	0.0
4264.5	47.5°	1529.8	263.1	24.6	11.4	0.0	0.0	0.0	0.0	0.0	0.0
5137.0	50°	1952.5	331.2	25.9	12.0	0.0	0.0	0.0	0.0	0.0	0.0
5246.1	52.5°	1949.3	369.0	27.1	12.6	2.5	0.0	0.0	0.0	0.0	0.0
4835.4	55°	1732.9	376.0	29.0	13.9	8.2	0.0	0.0	0.0	0.0	0.0
4155.4	57.5°	1448.4	343.2	33.4	17.0	15.1	0.0	0.0	0.0	0.0	0.0
4048.8	58°	1398.0	328.0	34.7	17.7	16.4	0.0	0.0	0.0	0.0	0.0
3511.9	60°	1145.6	267.5	44.2	22.1	22.1	0.0	0.0	0.0	0.0	0.0
2879.2	62.5°	791.1	233.4	50.5	28.4	22.7	0.0	0.0	0.0	0.0	0.0
2122.8	65°	559.6	210.7	54.9	30.3	18.3	0.0	0.0	0.0	0.0	0.0
1508.4	67.5°	418.3	194.3	60.6	30.9	9.5	0.0	0.0	0.0	0.0	0.0
946.3	70°	320.5	182.3	74.4	32.8	2.5	0.0	0.0	0.0	0.0	0.0
564.0	72.5°	261.2	168.4	90.2	34.1	0.0	0.0	0.0	0.0	0.0	0.0
338.1	75°	216.4	152.0	87.1	37.2	0.0	0.0	0.0	0.0	0.0	0.0
180.4	77.5°	143.8	118.0	79.5	37.2	0.0	0.0	0.0	0.0	0.0	0.0
64.3	80°	50.5	46.7	61.8	32.8	0.0	0.0	0.0	0.0	0.0	0.0
13.2	82.5°	7.6	6.3	8.8	11.4	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

REPORT NUMBER: P1049466

CATALOG NUMBER: GALN-SA2B-740-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
36.6	0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
25.9	2.5°	25.9	25.9	25.2	25.9	25.9	27.1	30.3	34.7	39.7	41.6
22.1	5°	21.4	20.8	20.2	20.2	20.2	22.1	24.6	29.6	35.3	37.9
18.3	7.5°	17.7	17.0	16.4	15.8	15.8	17.0	20.2	25.9	31.5	34.1
15.1	10°	14.5	13.2	12.6	12.0	12.0	13.2	16.4	22.1	28.4	30.9
12.6	12.5°	12.0	10.1	8.8	8.2	7.6	9.5	12.6	17.7	24.6	27.8
9.5	15°	8.2	6.3	4.4	3.8	3.2	5.0	8.2	13.9	20.8	24.6
5.0	17.5°	4.4	1.9	0.6	0.0	0.0	1.3	3.8	10.1	17.0	20.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	12.6	15.8
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	7.6	10.7
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.7
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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	1.9
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	5.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1049466

CATALOG NUMBER: GALN-SA2B-740-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
36.6	0°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
43.5	2.5°	44.8	44.2	42.9	41.6	41.6	41.6	43.5	45.4	47.3	47.3
39.1	5°	41.6	41.6	41.0	39.7	39.7	40.4	42.9	46.1	48.6	49.2
36.0	7.5°	38.5	39.7	38.5	37.9	38.5	39.1	41.6	45.4	49.2	50.5
33.4	10°	36.6	37.2	37.2	36.6	36.6	37.9	40.4	45.4	50.5	52.4
30.3	12.5°	34.1	35.3	34.7	34.7	34.7	36.0	39.1	44.8	51.7	54.3
27.1	15°	31.5	33.4	33.4	32.8	32.8	33.4	37.9	44.2	53.6	58.0
23.3	17.5°	29.0	30.9	31.5	30.3	30.3	31.5	36.0	44.2	54.9	62.5
18.9	20°	24.0	27.1	29.0	27.1	27.1	28.4	32.8	41.6	55.5	66.9
13.9	22.5°	18.9	22.1	24.6	24.0	24.0	24.6	30.3	39.7	56.1	74.4
8.2	25°	13.9	17.0	18.9	20.2	20.2	22.1	27.8	38.5	58.7	90.2
3.8	27.5°	8.2	12.0	14.5	15.8	16.4	18.9	25.9	37.2	63.1	112.9
0.0	30°	3.8	6.9	10.1	12.6	12.6	17.0	24.0	36.0	68.8	145.7
0.0	32.5°	0.0	3.2	5.0	8.8	9.5	13.9	22.1	34.7	77.0	177.3
0.0	35°	0.0	0.0	2.5	6.9	6.9	11.4	20.2	33.4	89.6	201.2
0.0	37.5°	0.0	0.0	0.0	5.0	5.7	10.1	19.6	32.8	92.1	203.1
0.0	40°	0.0	0.0	0.0	3.8	4.4	9.5	19.6	33.4	83.3	198.7
0.0	42.5°	0.0	0.0	0.0	2.5	3.2	9.5	19.6	34.7	75.1	203.8
0.0	45°	0.0	0.0	0.0	1.9	2.5	10.1	18.9	34.1	70.7	230.3
0.0	47.5°	0.0	0.0	0.0	2.5	3.8	10.1	18.3	33.4	71.3	317.9
0.0	50°	0.0	0.0	0.0	3.2	4.4	10.1	18.9	32.2	78.2	488.9
0.0	52.5°	0.0	0.0	0.0	2.5	3.8	11.4	20.8	31.5	85.2	635.9
0.0	55°	0.0	0.0	0.0	0.6	1.9	14.5	22.7	31.5	95.9	672.5
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	16.4	25.9	33.4	113.6	658.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	16.4	26.5	33.4	114.8	645.4
0.0	60°	0.0	0.0	0.0	0.0	0.0	16.4	29.0	37.2	123.6	574.7
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	13.9	34.7	46.7	128.7	451.7
0.0	65°	0.0	0.0	0.0	0.0	0.0	11.4	41.0	51.1	132.5	359.6
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	10.7	42.3	51.7	134.4	286.4
0.0	70°	0.0	0.0	0.0	0.0	0.0	11.4	41.6	55.5	140.7	232.8
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	12.6	37.9	61.2	140.7	206.3
0.0	75°	0.0	0.0	0.0	0.0	0.0	13.2	35.3	68.8	128.1	178.5
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	12.6	34.7	80.1	114.2	147.0
0.0	80°	1.3	1.9	1.9	1.3	1.3	10.7	34.1	81.4	97.2	100.9
0.6	82.5°	3.8	5.0	4.4	3.2	3.2	9.5	30.3	68.1	50.5	43.5
3.8	85°	6.9	8.2	8.2	6.9	6.9	8.8	18.9	24.6	17.0	13.9
6.9	87.5°	9.5	10.7	10.7	9.5	9.5	8.8	8.2	7.6	6.9	6.9
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

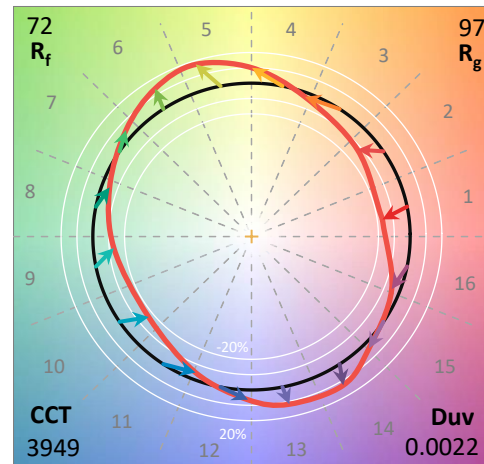
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

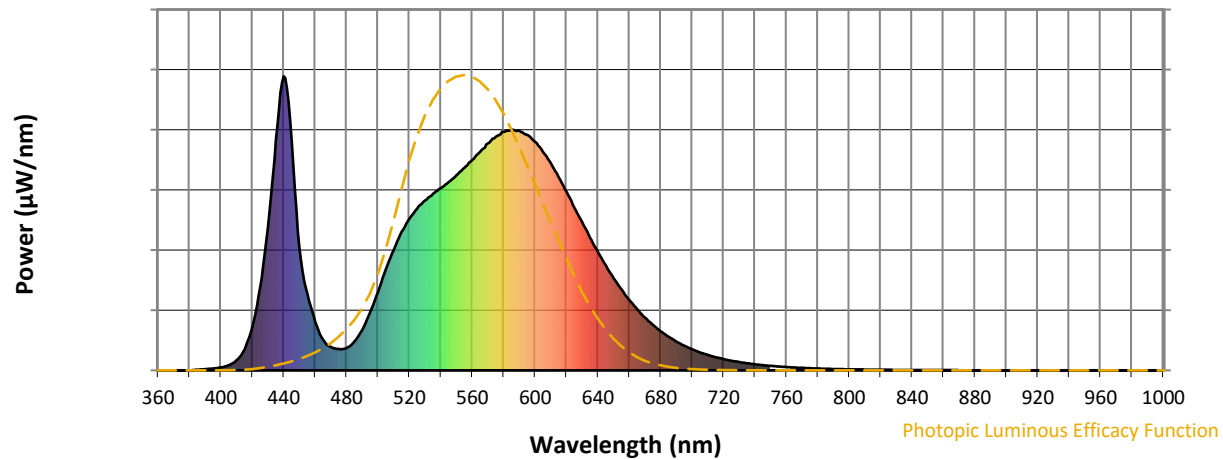
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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

Photopic Flux vs. Wavelength

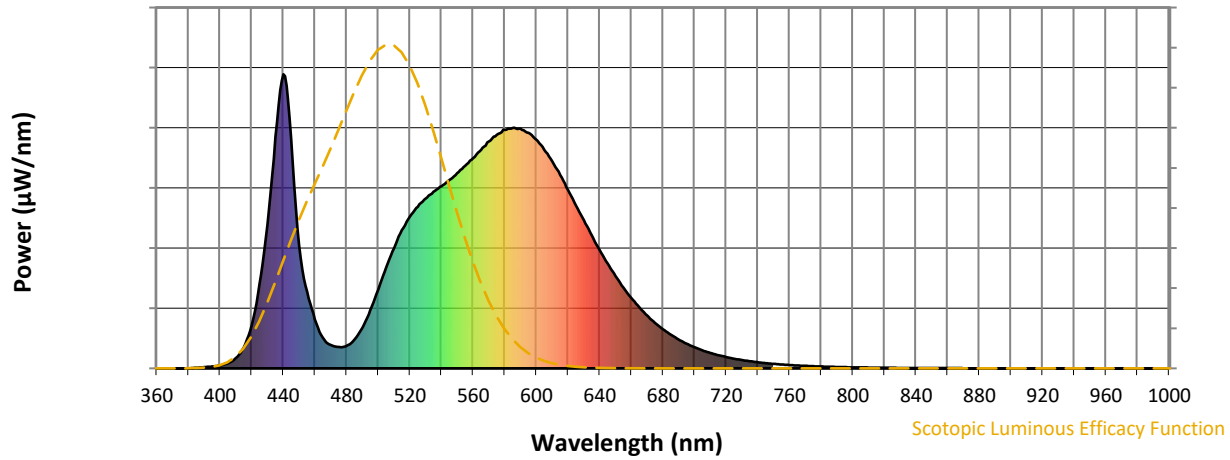


Photopic Lumens: NR

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



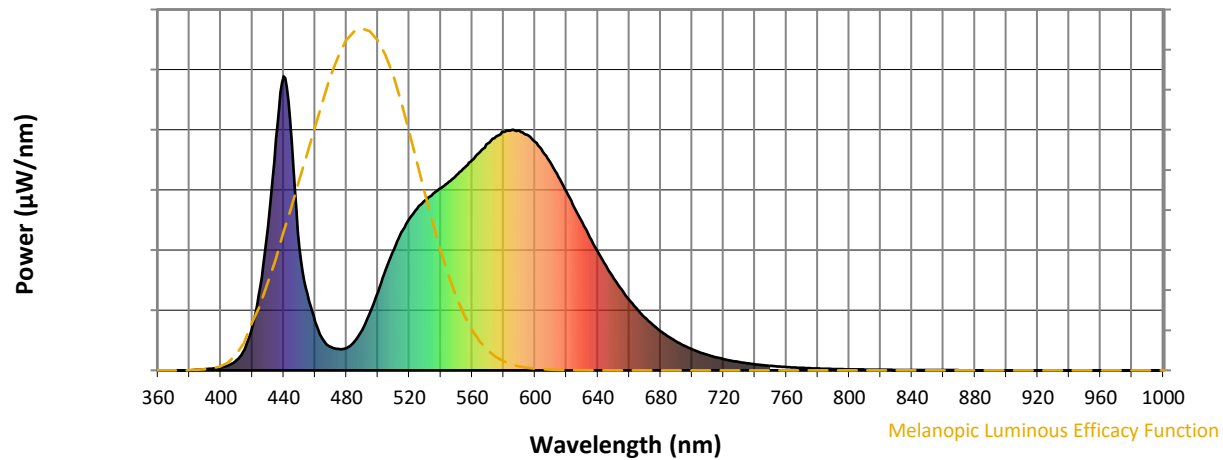
Scotopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

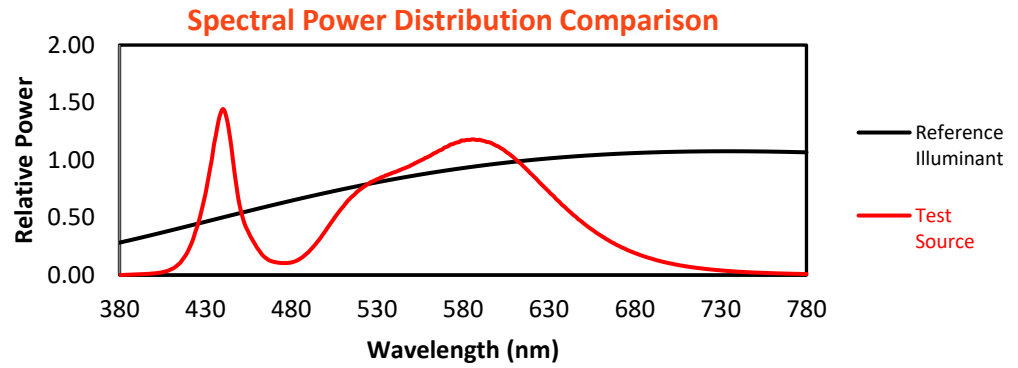
λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267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

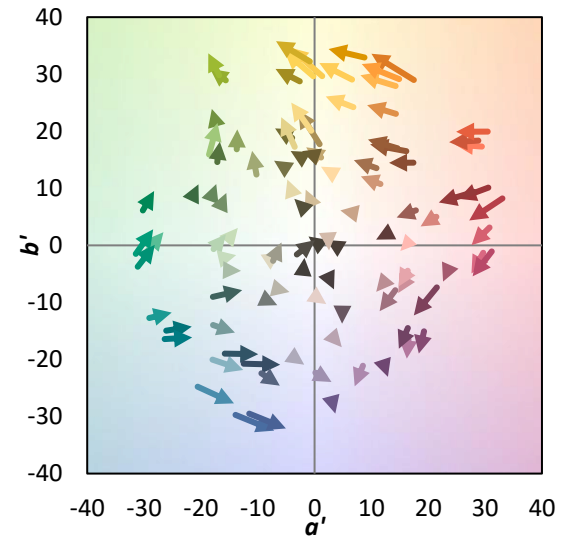
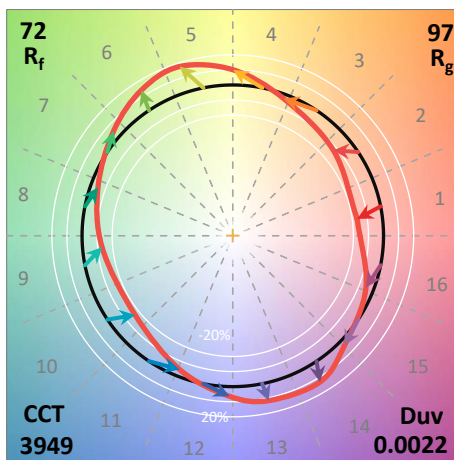
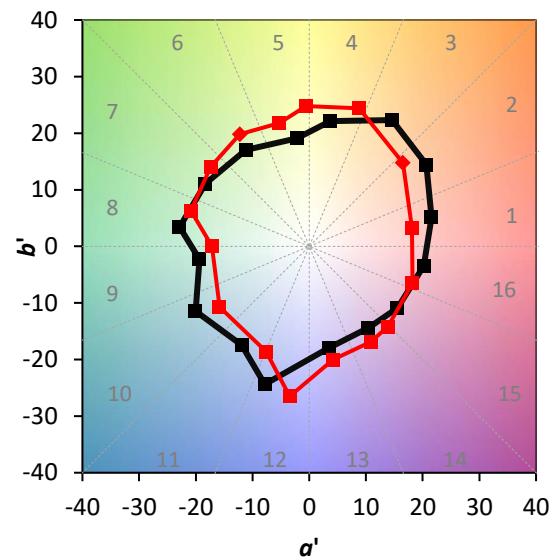
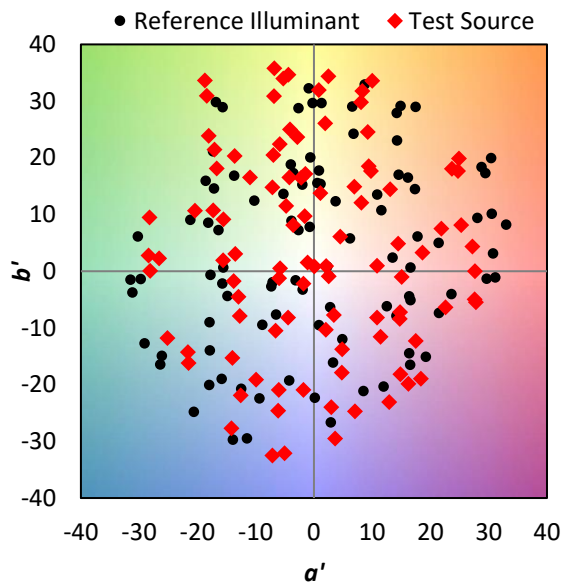
TM-30-18

Summary

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

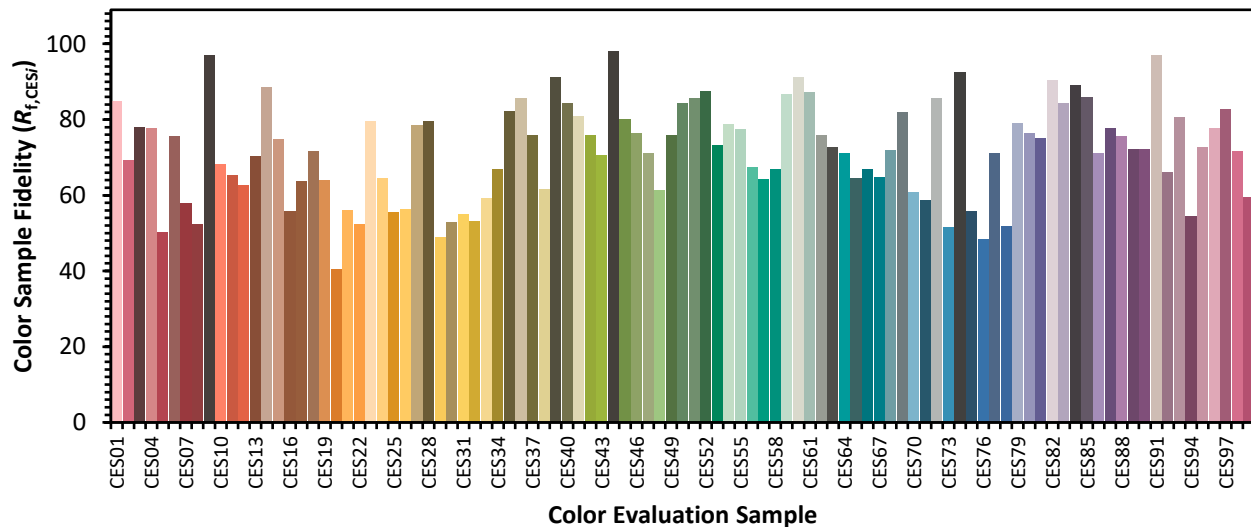


Color Vector Graphics

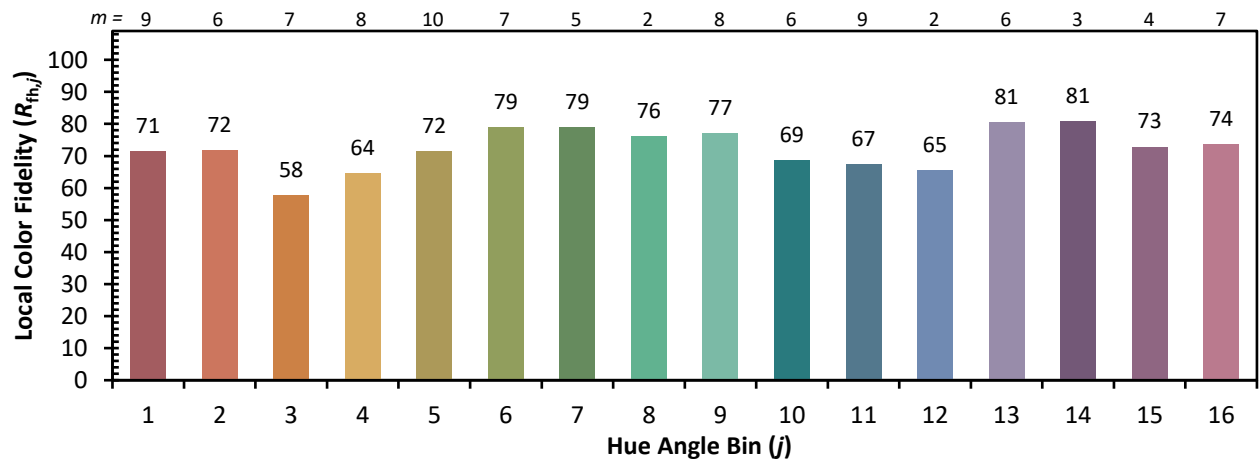
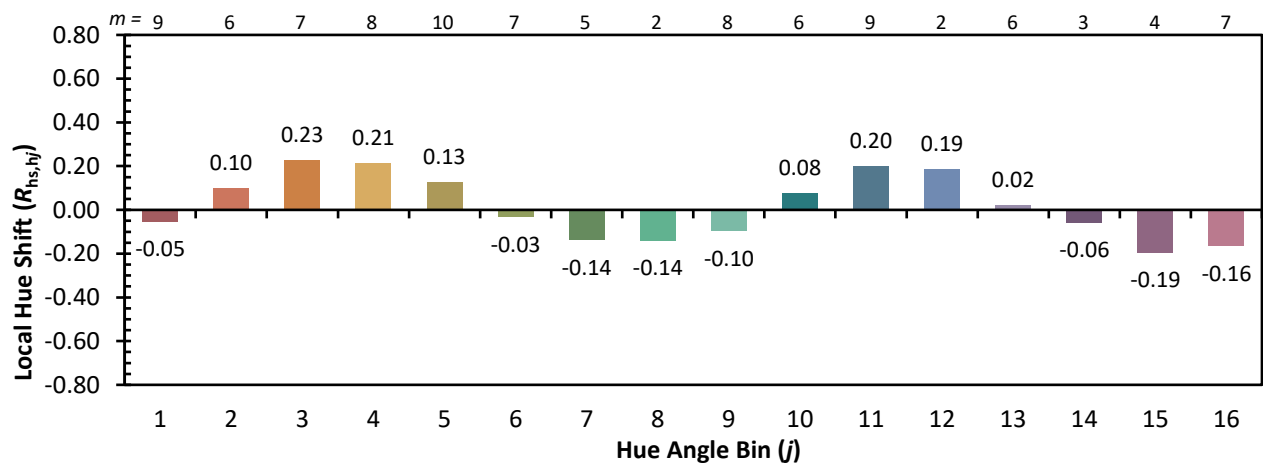
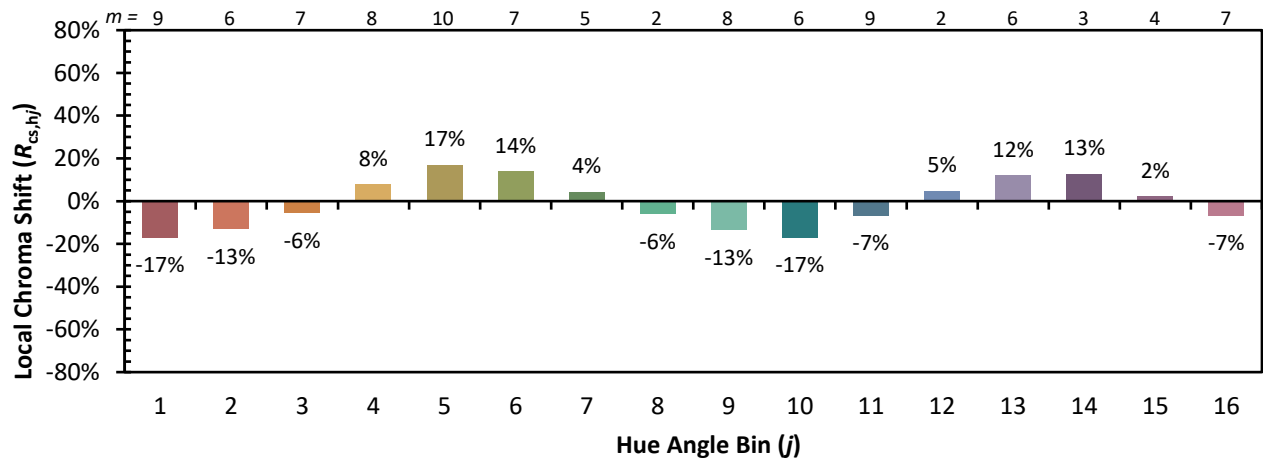


Individual Sample Fidelity Index ($R_{f,i}$)

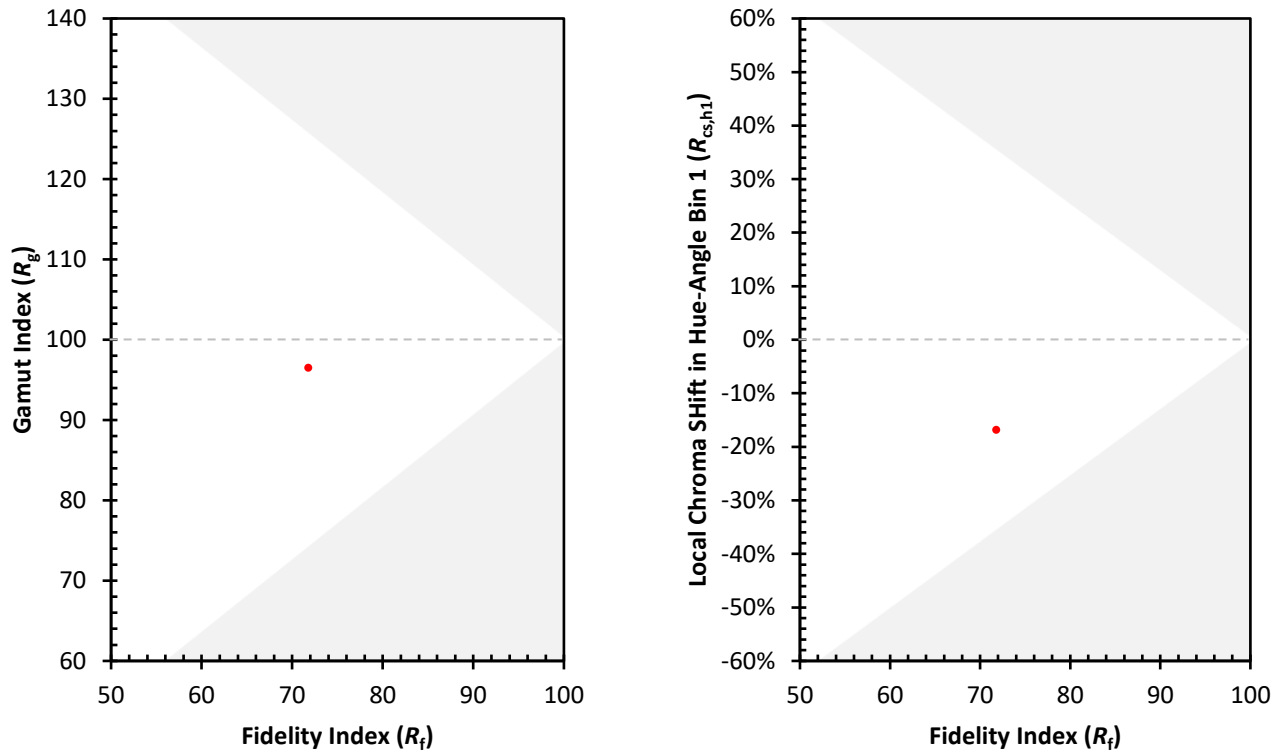
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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