

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: P1049491

Luminaire Tested: **GALN-SA8C-740-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049491
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8C-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 8xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40218.5 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G5

Input Watts (W): 372.9
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

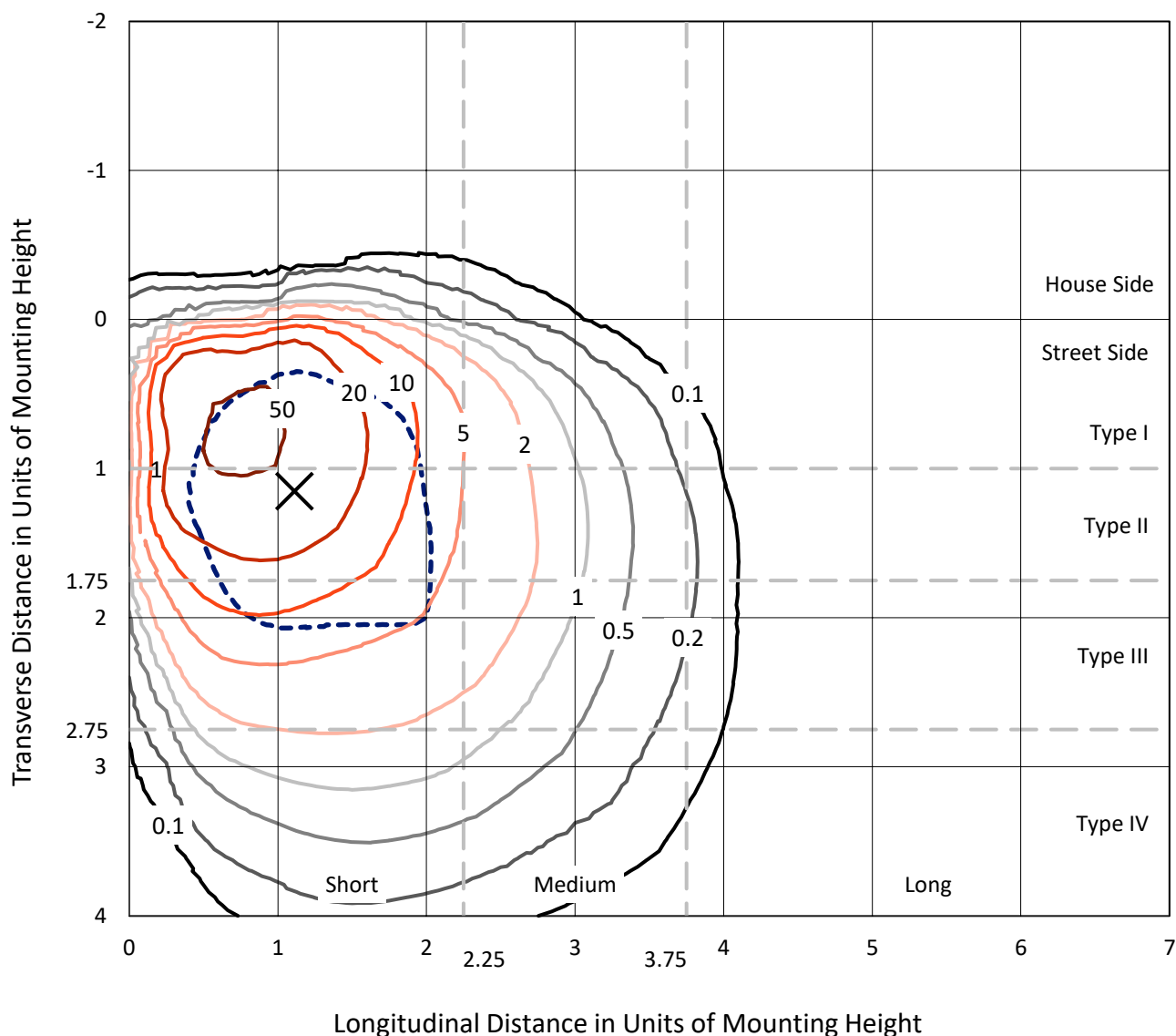
REPORT NUMBER: P1049491

CATALOG NUMBER: GALN-SA8C-740-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

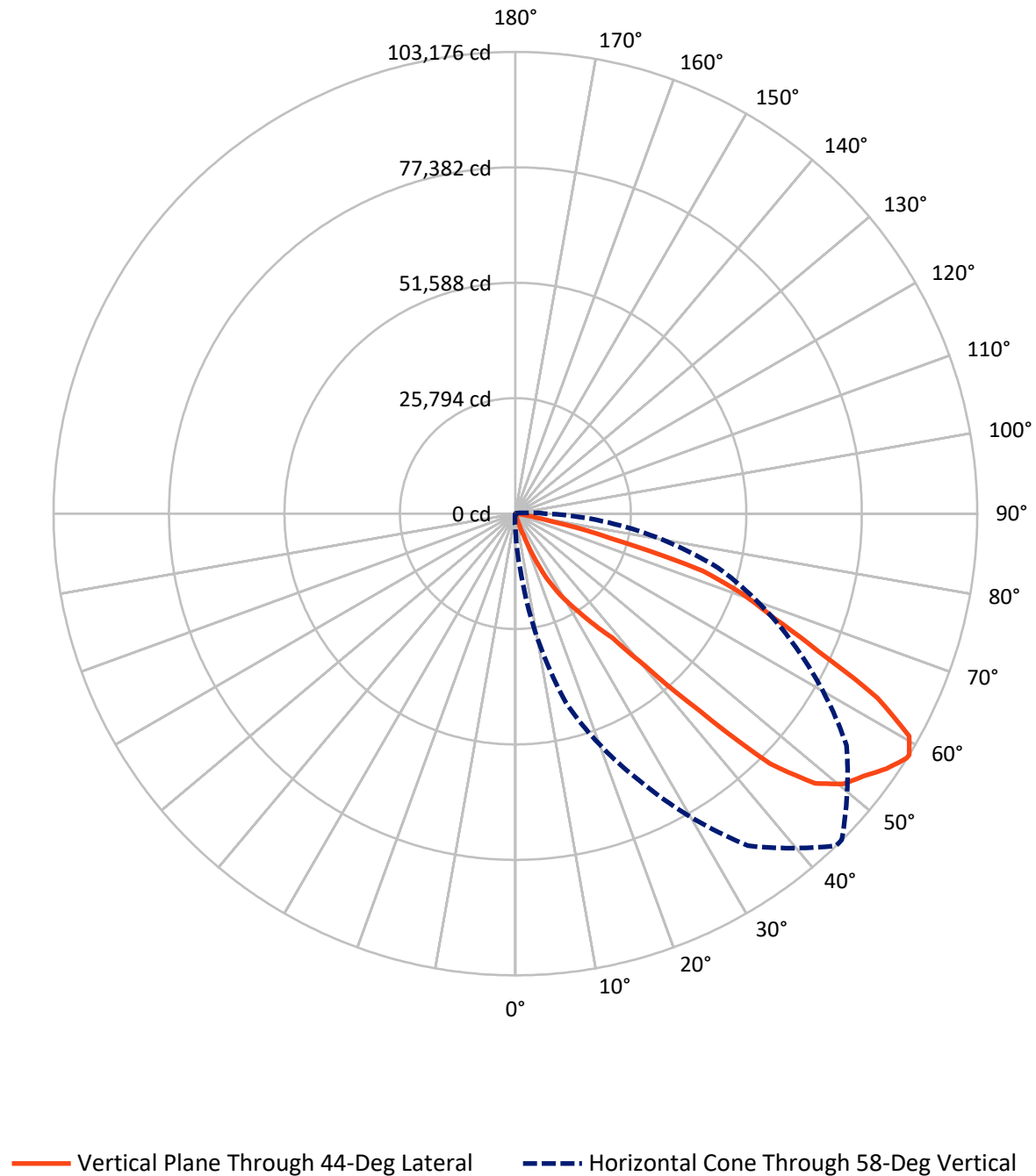


Based on 20 foot mounting height. Maximum calculated value = 70 fc

Type III - Short - N/A

REPORT NUMBER: P1049491
CATALOG NUMBER: GALN-SA8C-740-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049491

CATALOG NUMBER: GALN-SA8C-740-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.6	0.0	274.6
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	39943.9	0.0	39943.9
	% Fixture	99.3	0.0	99.3
Total	Lumens	40218.5	0.0	40218.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.0
10°-20°	88.2	0.2
20°-30°	952.8	2.4
30°-40°	2817.7	7.0
40°-50°	8398.3	20.9
50°-60°	13326.0	33.1
60°-70°	11115.5	27.6
70°-80°	3428.2	8.5
80°-90°	76.1	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°	40218.5	100.0
0°-180°	40218.5	100.0



REPORT NUMBER: P1049491

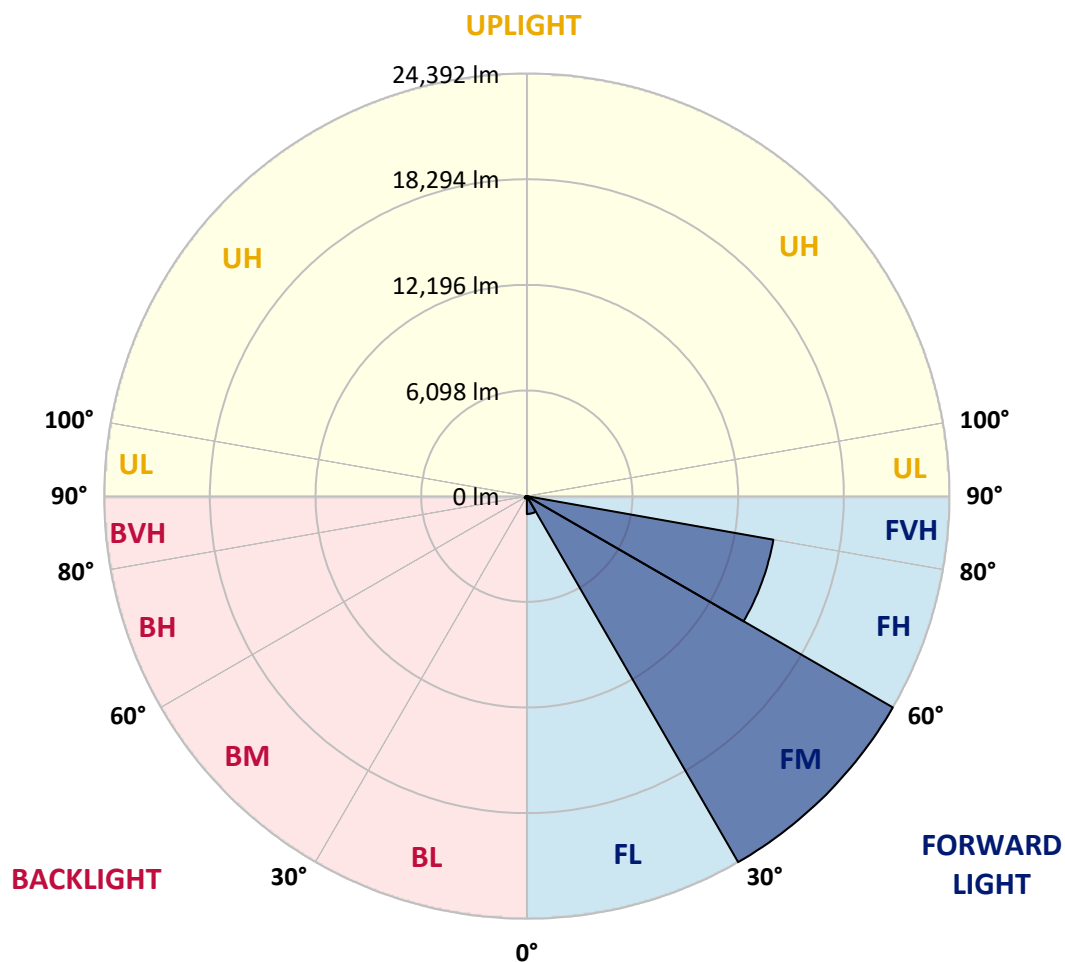
CATALOG NUMBER: GALN-SA8C-740-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1029.8	2.6			
FM	(30°-60°)	24391.7	60.6			
FH	(60°-80°)	14449.9	35.9			G5
FVH	(80°-90°)	72.5	0.2			G1/100
BL	(0°-30°)	26.9	0.1	B0/110		
BM	(30°-60°)	150.3	0.4	B0/220		
BH	(60°-80°)	93.8	0.2	B0/110		G0/110
BVH	(80°-90°)	3.7	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-G5

Type III Short



REPORT NUMBER: P1049491

CATALOG NUMBER: GALN-SA8C-740-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
2.5°	227.9	227.9	218.7	206.6	194.4	182.3	179.3	173.2	170.1	167.1
5°	237.0	237.0	233.9	224.8	212.7	203.6	203.6	194.4	188.4	182.3
7.5°	243.1	246.1	252.2	249.1	243.1	233.9	233.9	227.9	218.7	203.6
10°	252.2	261.3	273.4	279.5	282.5	282.5	279.5	276.5	261.3	240.0
12.5°	261.3	279.5	309.9	340.3	358.5	382.8	379.8	373.7	334.2	288.6
15°	279.5	306.9	370.7	458.8	595.5	680.5	714.0	683.6	552.9	388.9
17.5°	300.8	346.4	537.8	960.1	1573.8	1865.4	2041.6	1898.9	1257.8	738.3
20°	322.0	422.3	999.6	2488.3	4083.3	5037.3	5301.6	4888.4	3138.4	1406.7
22.5°	358.5	592.4	2026.5	5143.6	8798.5	10229.5	10499.9	9178.3	5927.5	2776.9
25°	434.5	859.8	3493.9	8382.3	13130.9	15546.3	15433.9	13702.1	9615.8	4435.7
27.5°	543.8	1251.7	5283.4	11909.6	17281.1	19410.8	19666.0	17524.1	12818.0	6522.9
30°	701.8	1734.8	7203.5	14735.1	20607.9	22910.8	22953.3	20738.5	15683.0	8355.0
32.5°	853.7	2190.5	8883.6	17466.4	23886.1	26410.8	26599.1	23873.9	17821.9	10262.9
35°	969.2	2488.3	10585.0	19866.6	27191.6	30670.3	30658.1	27422.5	20355.7	11967.3
37.5°	978.3	2786.0	12125.3	22321.4	31378.2	35273.1	35658.9	32092.1	23418.2	14075.8
40°	957.0	3120.2	14075.8	26149.5	38921.9	44898.0	45238.3	40741.8	29561.3	17685.2
42.5°	981.3	3700.5	17241.6	33219.3	51448.3	60031.1	60687.3	55960.0	40854.2	25049.7
45°	1108.9	4791.2	23873.9	45046.9	69303.6	79767.0	79548.3	72739.7	53994.3	36260.5
47.5°	1531.2	7461.7	33705.4	56558.5	80714.9	90033.0	90221.4	81899.8	61662.6	44879.8
50°	2354.6	11417.4	41966.2	62643.9	85621.6	94970.0	94793.8	85178.0	64576.2	49124.1
52.5°	3062.5	14279.4	46110.2	64779.8	86250.5	97409.7	97397.5	86040.8	65028.9	49488.7
55°	3238.7	14495.1	46143.7	64895.2	87660.2	100602.8	101003.8	88164.5	65615.3	47896.7
57.5°	3168.8	12833.2	44217.5	65563.6	90169.7	103072.8	103094.1	90221.4	67104.0	46921.4
58°	3108.0	12571.9	43828.6	65943.4	90601.1	103176.1	103124.4	90315.5	68316.2	46885.0
60°	2767.8	10916.1	42312.5	66912.5	89960.1	101055.4	100572.4	88258.7	68136.9	46511.3
62.5°	2175.3	8516.0	40820.8	65791.5	83087.7	90789.5	90990.0	78138.6	62115.3	44332.9
65°	1731.8	6346.7	37709.7	57709.9	68419.5	74556.6	75304.0	63540.2	51846.3	37539.6
67.5°	1379.3	4587.6	31633.4	45946.2	54140.1	62224.7	62768.5	53347.1	40167.6	28762.3
70°	1121.1	3102.0	21835.3	33602.1	44655.0	53745.1	53778.6	44317.7	29980.6	18845.7
72.5°	993.5	2148.0	12675.2	24505.8	36208.9	43795.2	42911.0	35962.8	23041.4	11162.2
75°	859.8	1424.9	6216.1	14981.2	21953.8	22102.7	22439.9	16682.6	11517.7	5307.7
77.5°	707.9	1011.7	2448.8	4092.4	6583.7	8427.9	8740.8	6623.2	3831.1	1306.4
80°	486.1	480.0	659.3	1254.8	1883.7	2360.7	2202.7	1704.4	1002.6	501.3
82.5°	209.6	227.9	297.7	358.5	291.7	282.5	270.4	173.2	133.7	103.3
85°	66.8	60.8	63.8	63.8	51.6	39.5	39.5	18.2	0.0	0.0
87.5°	33.4	27.3	27.3	24.3	15.2	6.1	3.0	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: P1049491

CATALOG NUMBER: GALN-SA8C-740-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
176.2	0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
164.1	2.5°	161.0	161.0	154.9	148.9	145.8	139.8	136.7	133.7	130.6	127.6
176.2	5°	170.1	167.1	158.0	148.9	139.8	130.6	124.6	118.5	112.4	109.4
194.4	7.5°	185.3	179.3	161.0	145.8	133.7	121.5	115.5	106.3	100.3	91.1
215.7	10°	203.6	191.4	167.1	148.9	130.6	115.5	106.3	97.2	88.1	76.0
246.1	12.5°	227.9	206.6	176.2	145.8	124.6	106.3	97.2	85.1	76.0	66.8
285.6	15°	249.1	221.8	179.3	145.8	118.5	97.2	85.1	72.9	63.8	51.6
358.5	17.5°	279.5	233.9	176.2	136.7	109.4	85.1	72.9	63.8	48.6	30.4
531.7	20°	331.2	243.1	170.1	127.6	94.2	69.9	54.7	42.5	21.3	6.1
799.0	22.5°	413.2	267.4	164.1	115.5	82.0	54.7	36.5	15.2	0.0	0.0
1215.3	25°	571.2	309.9	164.1	109.4	72.9	39.5	12.2	0.0	0.0	0.0
1725.7	27.5°	759.5	367.6	164.1	94.2	57.7	21.3	0.0	0.0	0.0	0.0
2351.5	30°	950.9	431.4	164.1	82.0	45.6	3.0	0.0	0.0	0.0	0.0
2895.4	32.5°	1133.2	486.1	167.1	69.9	30.4	0.0	0.0	0.0	0.0	0.0
3648.8	35°	1318.6	495.2	164.1	60.8	18.2	0.0	0.0	0.0	0.0	0.0
4572.4	37.5°	1555.5	477.0	154.9	54.7	9.1	0.0	0.0	0.0	0.0	0.0
6015.6	40°	1914.0	486.1	145.8	51.6	3.0	0.0	0.0	0.0	0.0	0.0
8588.9	42.5°	2576.4	525.6	133.7	51.6	0.0	0.0	0.0	0.0	0.0	0.0
13680.9	45°	4454.0	704.9	121.5	54.7	0.0	0.0	0.0	0.0	0.0	0.0
20538.0	47.5°	7367.6	1266.9	118.5	54.7	0.0	0.0	0.0	0.0	0.0	0.0
24739.8	50°	9403.1	1595.0	124.6	57.7	0.0	0.0	0.0	0.0	0.0	0.0
25265.4	52.5°	9387.9	1777.3	130.6	60.8	12.2	0.0	0.0	0.0	0.0	0.0
23287.5	55°	8345.8	1810.7	139.8	66.8	39.5	0.0	0.0	0.0	0.0	0.0
20012.4	57.5°	6975.6	1652.8	161.0	82.0	72.9	0.0	0.0	0.0	0.0	0.0
19498.9	58°	6732.6	1579.8	167.1	85.1	79.0	0.0	0.0	0.0	0.0	0.0
16913.5	60°	5517.3	1288.2	212.7	106.3	106.3	0.0	0.0	0.0	0.0	0.0
13866.2	62.5°	3809.9	1124.1	243.1	136.7	109.4	0.0	0.0	0.0	0.0	0.0
10223.4	65°	2694.9	1014.7	264.3	145.8	88.1	0.0	0.0	0.0	0.0	0.0
7264.3	67.5°	2014.3	935.8	291.7	148.9	45.6	0.0	0.0	0.0	0.0	0.0
4557.2	70°	1543.4	878.0	358.5	158.0	12.2	0.0	0.0	0.0	0.0	0.0
2716.1	72.5°	1257.8	811.2	434.5	164.1	0.0	0.0	0.0	0.0	0.0	0.0
1628.5	75°	1042.1	732.2	419.3	179.3	0.0	0.0	0.0	0.0	0.0	0.0
868.9	77.5°	692.7	568.1	382.8	179.3	0.0	0.0	0.0	0.0	0.0	0.0
309.9	80°	243.1	224.8	297.7	158.0	0.0	0.0	0.0	0.0	0.0	0.0
63.8	82.5°	36.5	30.4	42.5	54.7	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: P1049491

CATALOG NUMBER: GALN-SA8C-740-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
176.2	0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
124.6	2.5°	124.6	124.6	121.5	124.6	124.6	130.6	145.8	167.1	191.4	200.5
106.3	5°	103.3	100.3	97.2	97.2	97.2	106.3	118.5	142.8	170.1	182.3
88.1	7.5°	85.1	82.0	79.0	76.0	76.0	82.0	97.2	124.6	151.9	164.1
72.9	10°	69.9	63.8	60.8	57.7	57.7	63.8	79.0	106.3	136.7	148.9
60.8	12.5°	57.7	48.6	42.5	39.5	36.5	45.6	60.8	85.1	118.5	133.7
45.6	15°	39.5	30.4	21.3	18.2	15.2	24.3	39.5	66.8	100.3	118.5
24.3	17.5°	21.3	9.1	3.0	0.0	0.0	6.1	18.2	48.6	82.0	97.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	60.8	76.0
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	36.5	51.6
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	27.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
0.0	30°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	32.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	35°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	37.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	40°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	42.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	45°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	47.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	58°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	24.3
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: P1049491

CATALOG NUMBER: GALN-SA8C-740-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
176.2	0°	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2	176.2
209.6	2.5°	215.7	212.7	206.6	200.5	200.5	200.5	209.6	218.7	227.9	227.9
188.4	5°	200.5	200.5	197.5	191.4	191.4	194.4	206.6	221.8	233.9	237.0
173.2	7.5°	185.3	191.4	185.3	182.3	185.3	188.4	200.5	218.7	237.0	243.1
161.0	10°	176.2	179.3	179.3	176.2	176.2	182.3	194.4	218.7	243.1	252.2
145.8	12.5°	164.1	170.1	167.1	167.1	167.1	173.2	188.4	215.7	249.1	261.3
130.6	15°	151.9	161.0	161.0	158.0	158.0	161.0	182.3	212.7	258.2	279.5
112.4	17.5°	139.8	148.9	151.9	145.8	145.8	151.9	173.2	212.7	264.3	300.8
91.1	20°	115.5	130.6	139.8	130.6	130.6	136.7	158.0	200.5	267.4	322.0
66.8	22.5°	91.1	106.3	118.5	115.5	115.5	118.5	145.8	191.4	270.4	358.5
39.5	25°	66.8	82.0	91.1	97.2	97.2	106.3	133.7	185.3	282.5	434.5
18.2	27.5°	39.5	57.7	69.9	76.0	79.0	91.1	124.6	179.3	303.8	543.8
0.0	30°	18.2	33.4	48.6	60.8	60.8	82.0	115.5	173.2	331.2	701.8
0.0	32.5°	0.0	15.2	24.3	42.5	45.6	66.8	106.3	167.1	370.7	853.7
0.0	35°	0.0	0.0	12.2	33.4	33.4	54.7	97.2	161.0	431.4	969.2
0.0	37.5°	0.0	0.0	0.0	24.3	27.3	48.6	94.2	158.0	443.6	978.3
0.0	40°	0.0	0.0	0.0	18.2	21.3	45.6	94.2	161.0	401.0	957.0
0.0	42.5°	0.0	0.0	0.0	12.2	15.2	45.6	94.2	167.1	361.5	981.3
0.0	45°	0.0	0.0	0.0	9.1	12.2	48.6	91.1	164.1	340.3	1108.9
0.0	47.5°	0.0	0.0	0.0	12.2	18.2	48.6	88.1	161.0	343.3	1531.2
0.0	50°	0.0	0.0	0.0	15.2	21.3	48.6	91.1	154.9	376.7	2354.6
0.0	52.5°	0.0	0.0	0.0	12.2	18.2	54.7	100.3	151.9	410.2	3062.5
0.0	55°	0.0	0.0	0.0	3.0	9.1	69.9	109.4	151.9	461.8	3238.7
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	79.0	124.6	161.0	546.9	3168.8
0.0	58°	0.0	0.0	0.0	0.0	0.0	79.0	127.6	161.0	552.9	3108.0
0.0	60°	0.0	0.0	0.0	0.0	0.0	79.0	139.8	179.3	595.5	2767.8
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	66.8	167.1	224.8	619.8	2175.3
0.0	65°	0.0	0.0	0.0	0.0	0.0	54.7	197.5	246.1	638.0	1731.8
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	51.6	203.6	249.1	647.1	1379.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	54.7	200.5	267.4	677.5	1121.1
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	60.8	182.3	294.7	677.5	993.5
0.0	75°	0.0	0.0	0.0	0.0	0.0	63.8	170.1	331.2	616.7	859.8
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	60.8	167.1	385.8	549.9	707.9
0.0	80°	6.1	9.1	9.1	6.1	6.1	51.6	164.1	391.9	467.9	486.1
3.0	82.5°	18.2	24.3	21.3	15.2	15.2	45.6	145.8	328.1	243.1	209.6
18.2	85°	33.4	39.5	39.5	33.4	33.4	42.5	91.1	118.5	82.0	66.8
33.4	87.5°	45.6	51.6	51.6	45.6	45.6	42.5	39.5	36.5	33.4	33.4
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

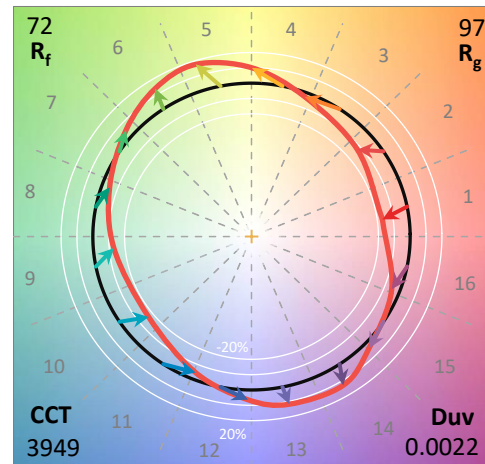
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

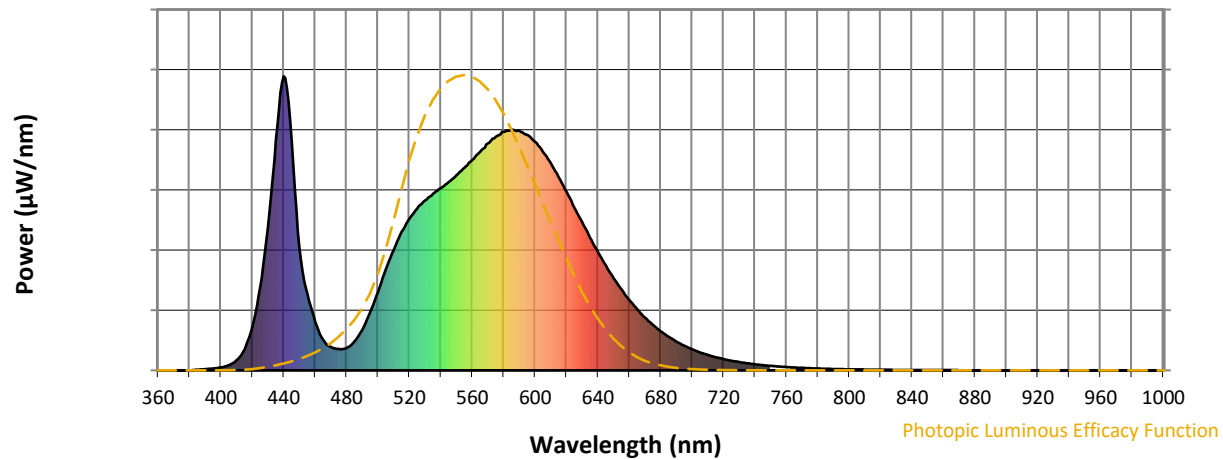
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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

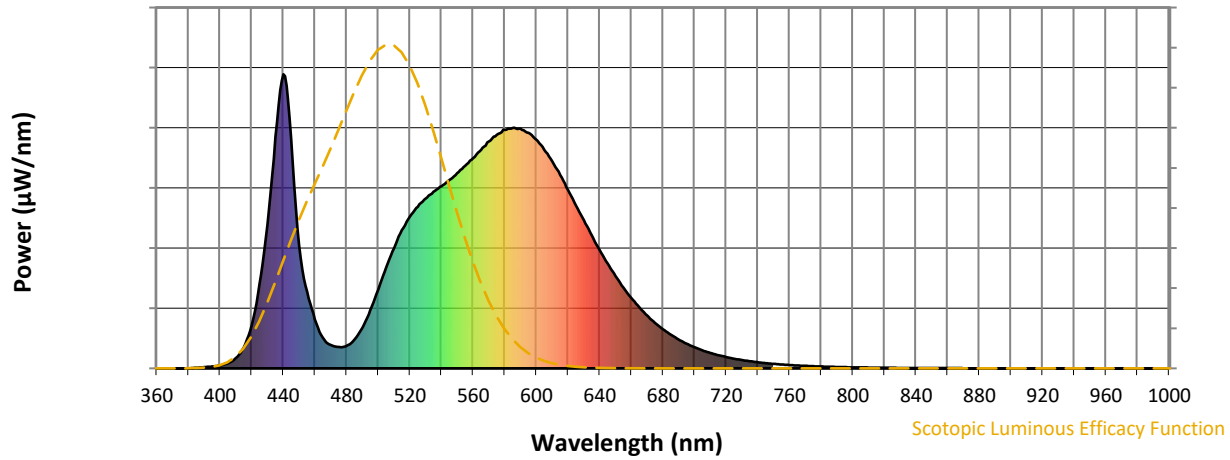


Photopic Lumens: NR

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



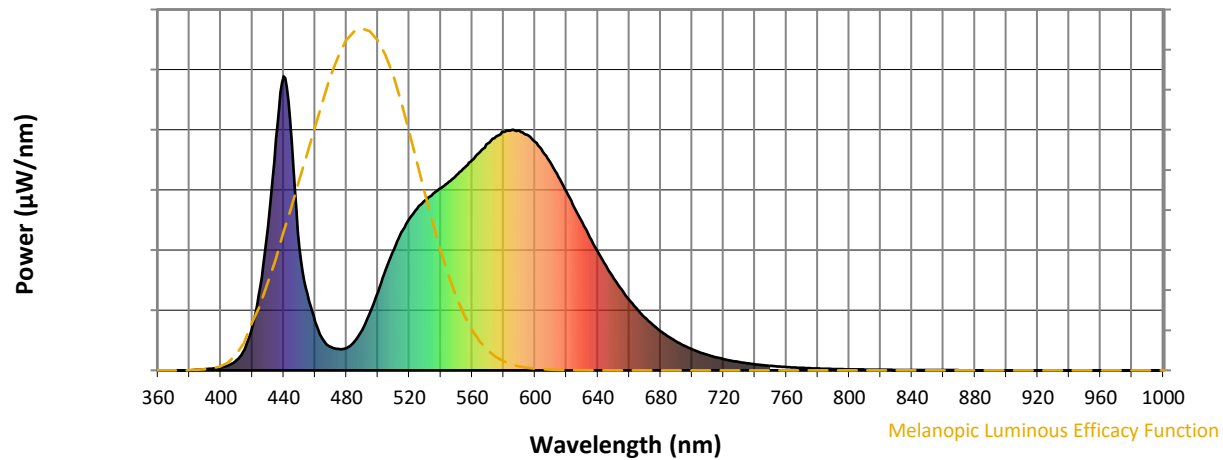
Scotopic Lumens: NR

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

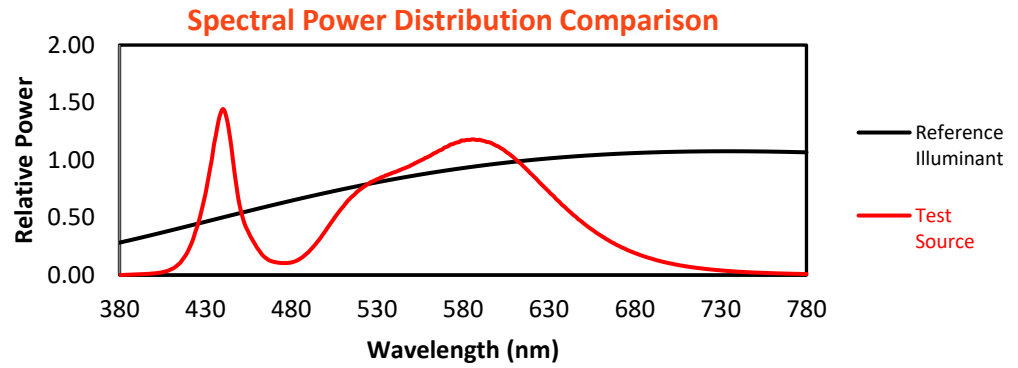
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630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

REPORT NUMBER: SP1-2407-184-1

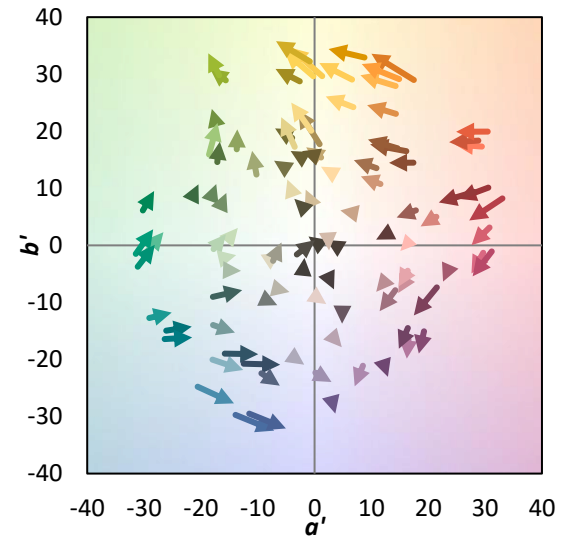
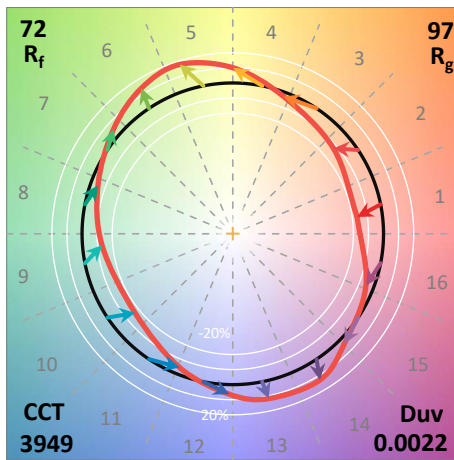
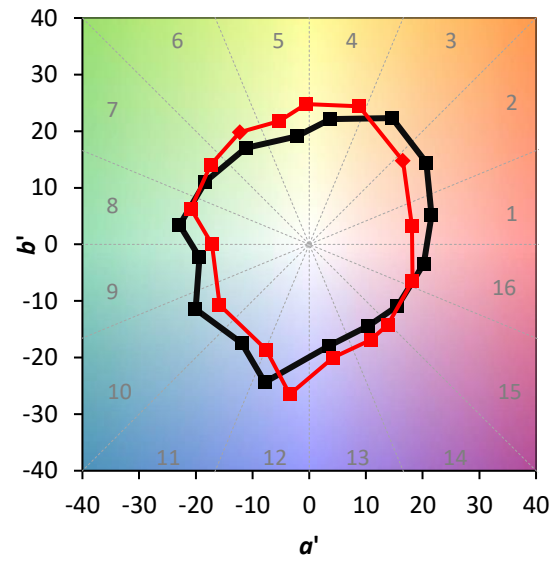
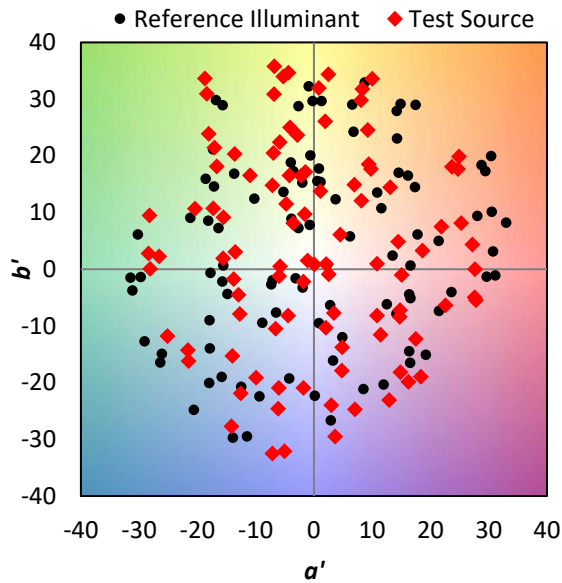
TM-30-18

Summary

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

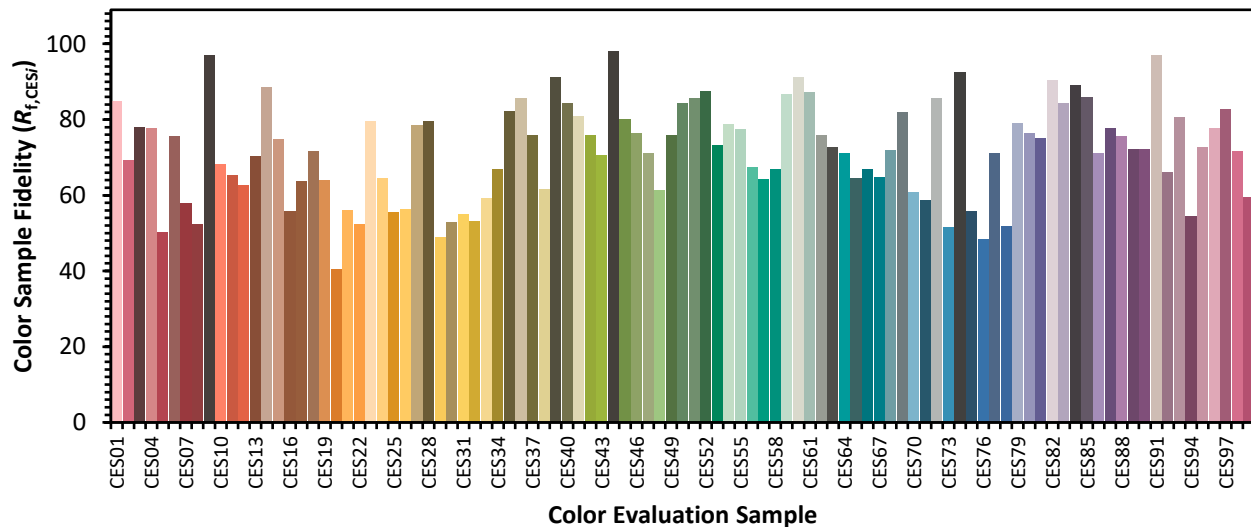


Color Vector Graphics

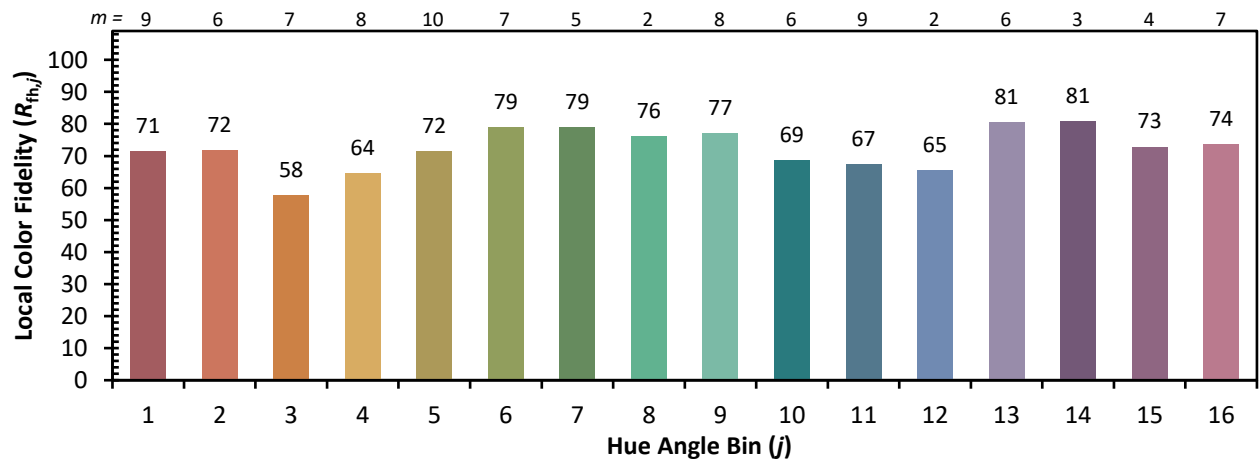
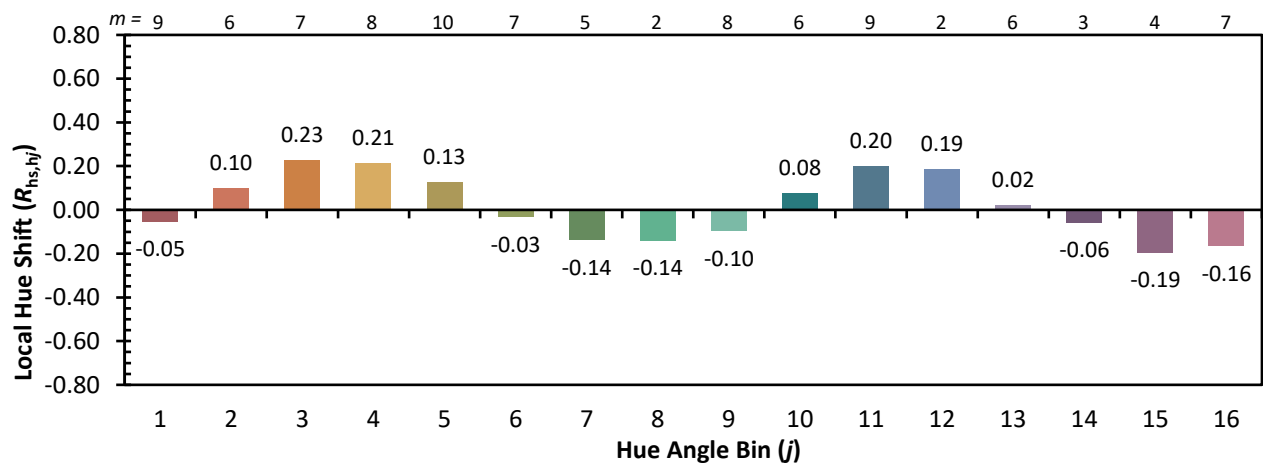
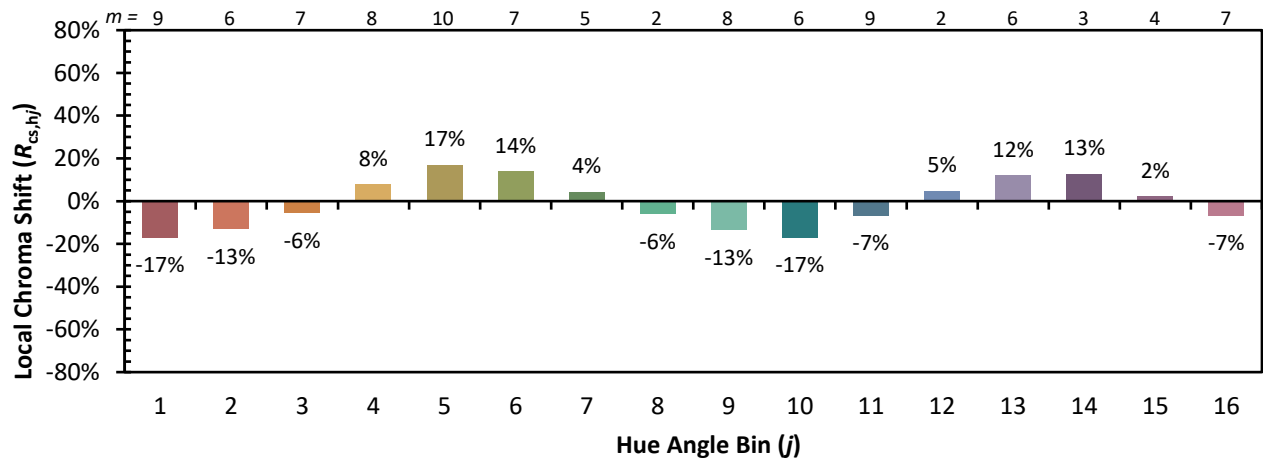


Individual Sample Fidelity Index ($R_{f,i}$)

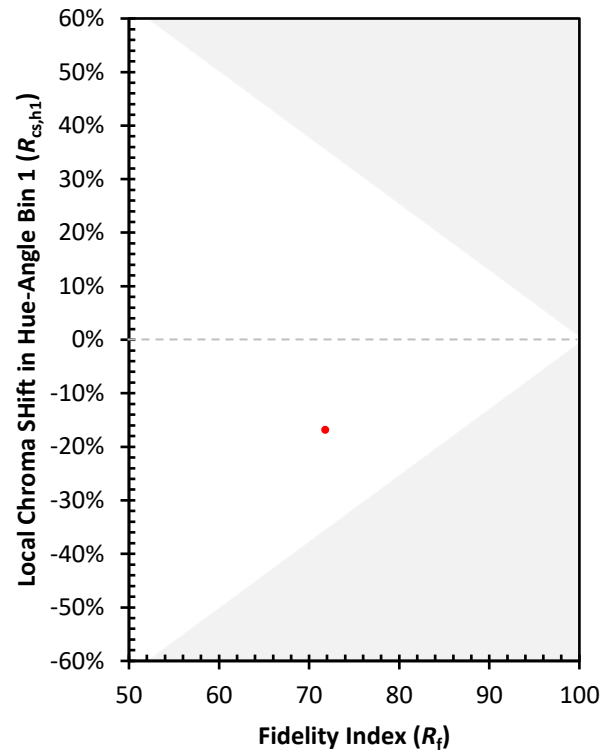
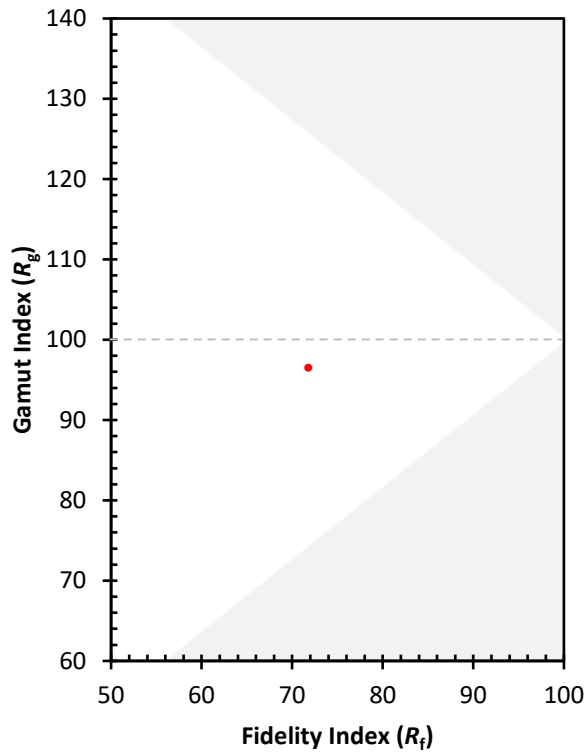
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)