

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: P1049487

Luminaire Tested: **GALN-SA7C-740-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049487
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7C-740-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 7xLight Square PACKAGE
70CRI 4000K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (98) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35255.2 lumens
Efficiency: N/A
Efficacy: 106.8 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): 330
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

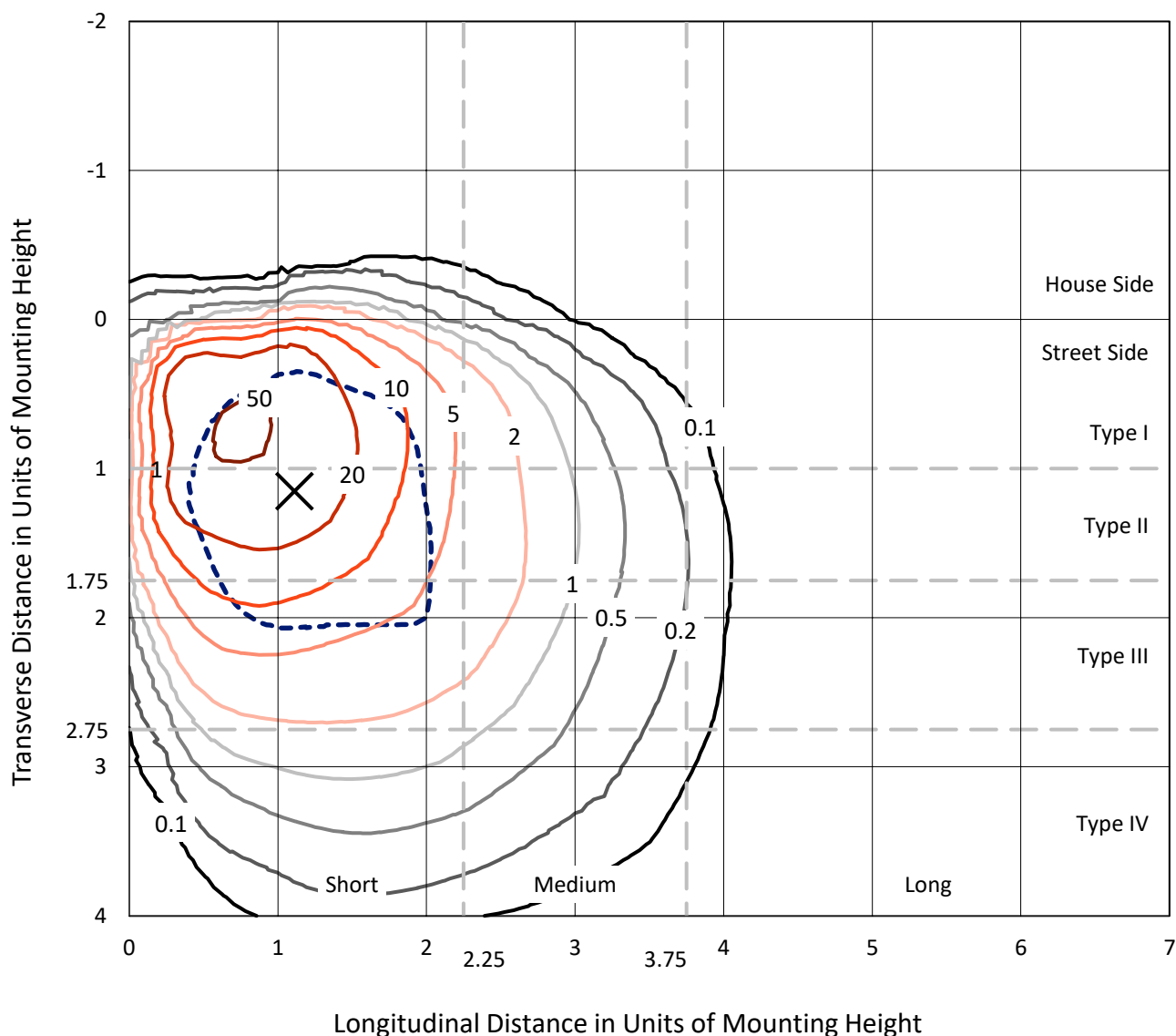
REPORT NUMBER: P1049487

CATALOG NUMBER: GALN-SA7C-740-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

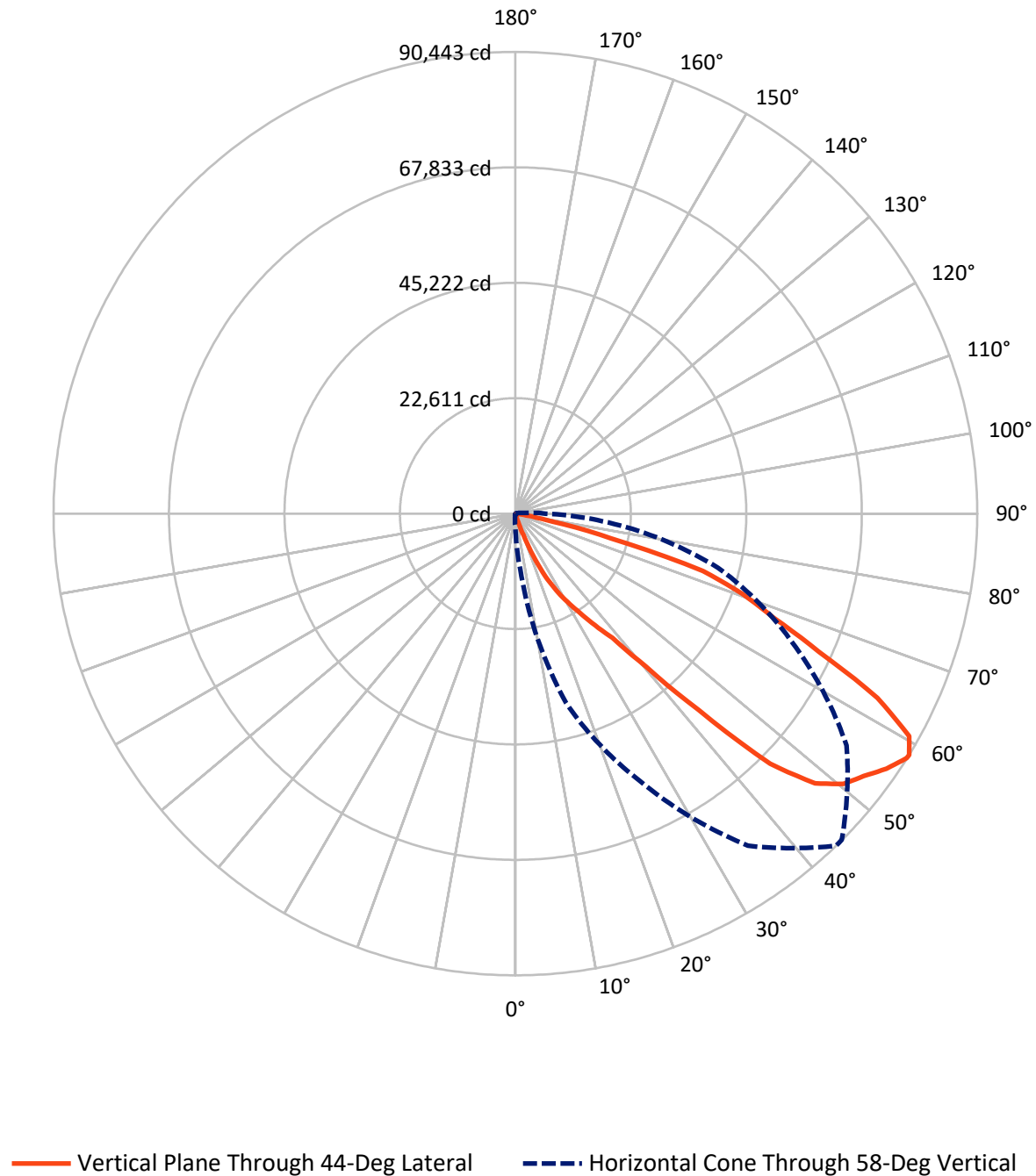
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 61.4 fc
 Type III - Short - N/A

REPORT NUMBER: P1049487
CATALOG NUMBER: GALN-SA7C-740-U-LBC

Luminous Intensity Polar Plot



REPORT NUMBER: P1049487

CATALOG NUMBER: GALN-SA7C-740-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	240.7	0.0	240.7
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	35014.5	0.0	35014.5
	% Fixture	99.3	0.0	99.3
Total	Lumens	35255.2	0.0	35255.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.0
10°-20°	77.3	0.2
20°-30°	835.2	2.4
30°-40°	2470.0	7.0
40°-50°	7361.9	20.9
50°-60°	11681.5	33.1
60°-70°	9743.7	27.6
70°-80°	3005.1	8.5
80°-90°	66.7	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°	35255.2	100.0
0°-180°	35255.2	100.0



REPORT NUMBER: P1049487

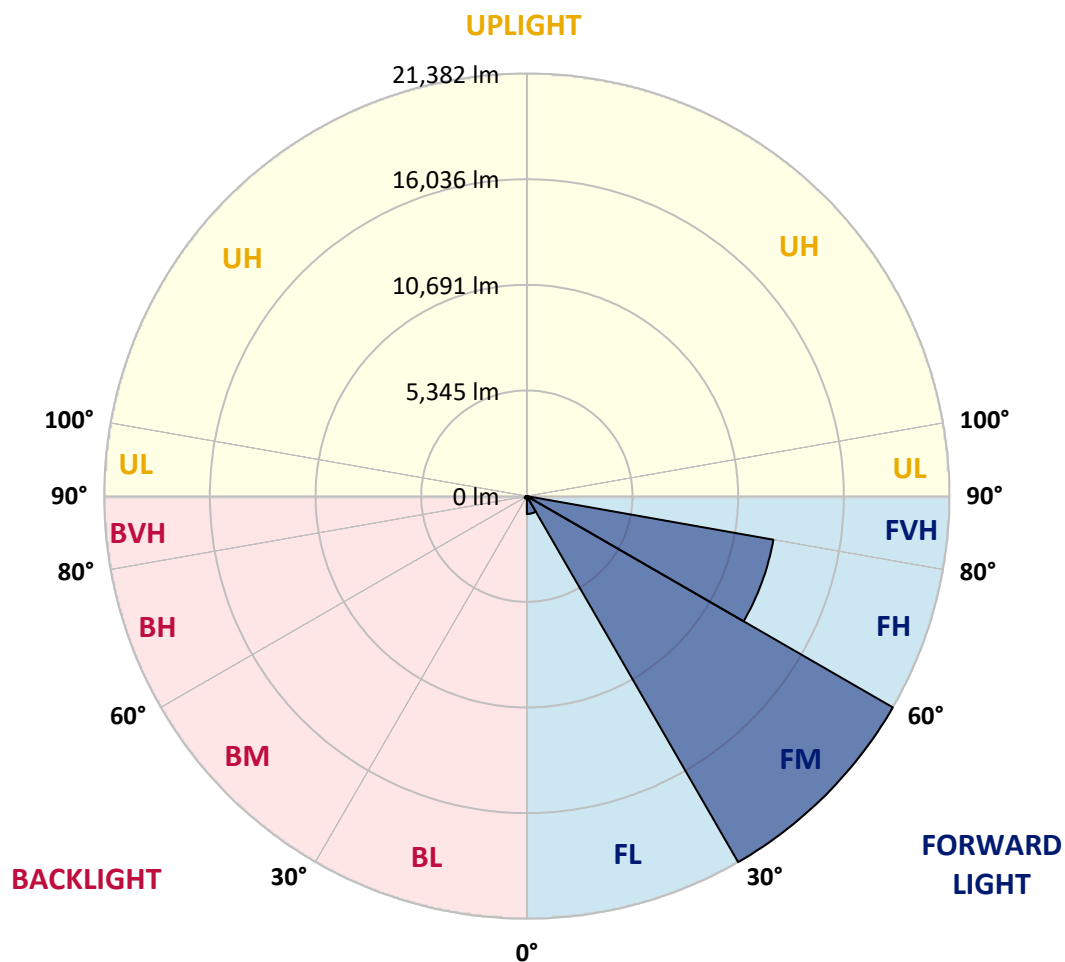
CATALOG NUMBER: GALN-SA7C-740-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	902.7	2.6			
FM	(30°-60°)	21381.6	60.6			
FH	(60°-80°)	12666.7	35.9			G5
FVH	(80°-90°)	63.5	0.2			G1/100
BL	(0°-30°)	23.6	0.1	B0/110		
BM	(30°-60°)	131.8	0.4	B0/220		
BH	(60°-80°)	82.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.2	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: P1049487

CATALOG NUMBER: GALN-SA7C-740-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
2.5°	199.7	199.7	191.8	181.1	170.4	159.8	157.1	151.8	149.1	146.5
5°	207.7	207.7	205.1	197.1	186.4	178.4	178.4	170.4	165.1	159.8
7.5°	213.1	215.7	221.0	218.4	213.1	205.1	205.1	199.7	191.8	178.4
10°	221.0	229.0	239.7	245.0	247.7	247.7	245.0	242.4	229.0	210.4
12.5°	229.0	245.0	271.6	298.3	314.3	335.6	332.9	327.6	293.0	253.0
15°	245.0	269.0	324.9	402.1	522.0	596.6	625.9	599.2	484.7	340.9
17.5°	263.7	303.6	471.4	841.6	1379.6	1635.2	1789.7	1664.5	1102.6	647.2
20°	282.3	370.2	876.2	2181.2	3579.4	4415.6	4647.3	4285.1	2751.1	1233.1
22.5°	314.3	519.3	1776.4	4508.9	7712.7	8967.1	9204.1	8045.6	5196.0	2434.2
25°	380.8	753.7	3062.7	7347.9	11510.5	13627.8	13529.2	12011.2	8429.1	3888.3
27.5°	476.7	1097.3	4631.4	10439.9	15148.5	17015.4	17239.1	15361.5	11236.2	5718.0
30°	615.2	1520.7	6314.5	12916.7	18064.7	20083.4	20120.7	18179.2	13747.6	7323.9
32.5°	748.4	1920.2	7787.3	15310.9	20938.3	23151.5	23316.6	20927.7	15622.5	8996.4
35°	849.6	2181.2	9278.7	17414.9	23835.9	26885.3	26874.7	24038.3	17843.7	10490.5
37.5°	857.6	2442.2	10629.0	19566.8	27505.9	30920.1	31258.4	28131.7	20528.2	12338.8
40°	838.9	2735.1	12338.8	22922.4	34118.7	39357.3	39655.5	35714.0	25913.3	15502.7
42.5°	860.2	3243.8	15113.8	29119.8	45099.2	52622.8	53198.1	49054.1	35812.5	21958.4
45°	972.1	4199.9	20927.7	39487.8	60751.0	69923.2	69731.4	63763.1	47331.0	31785.7
47.5°	1342.3	6540.9	29545.9	49578.7	70754.1	78922.3	79087.4	71792.8	54053.0	39341.3
50°	2064.0	10008.4	36787.2	54913.2	75055.2	83250.0	83095.5	74666.4	56607.0	43061.8
52.5°	2684.5	12517.2	40419.9	56785.5	75606.5	85388.6	85377.9	75422.8	57003.8	43381.4
55°	2839.0	12706.3	40449.2	56886.7	76842.3	88187.6	88539.2	77284.4	57517.8	41985.9
57.5°	2777.8	11249.5	38760.7	57472.6	79042.1	90352.8	90371.5	79087.4	58822.8	41131.0
58°	2724.5	11020.5	38419.8	57805.5	79420.3	90443.4	90398.1	79169.9	59885.5	41099.0
60°	2426.2	9569.0	37090.8	58655.0	78858.3	88584.5	88161.0	77366.9	59728.3	40771.4
62.5°	1906.9	7465.0	35783.2	57672.3	72834.1	79585.4	79761.2	68495.7	54449.8	38861.9
65°	1518.0	5563.5	33056.0	50588.1	59976.0	65355.7	66010.9	55698.9	45448.1	32906.9
67.5°	1209.1	4021.5	27729.6	40276.1	47458.8	54545.7	55022.4	46763.7	35210.6	25212.8
70°	982.7	2719.2	19140.7	29455.4	39144.2	47112.6	47141.9	38848.6	26280.8	16520.0
72.5°	870.9	1882.9	11111.0	21481.6	31740.4	38390.5	37615.5	31524.7	20198.0	9784.7
75°	753.7	1249.1	5449.0	13132.4	19244.5	19375.0	19670.6	14623.8	10096.3	4652.7
77.5°	620.5	886.9	2146.6	3587.4	5771.2	7387.8	7662.1	5805.8	3358.3	1145.2
80°	426.1	420.8	577.9	1099.9	1651.2	2069.3	1930.8	1494.1	878.9	439.4
82.5°	183.8	199.7	261.0	314.3	255.7	247.7	237.0	151.8	117.2	90.5
85°	58.6	53.3	55.9	55.9	45.3	34.6	34.6	16.0	0.0	0.0
87.5°	29.3	24.0	24.0	21.3	13.3	5.3	2.7	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: P1049487

CATALOG NUMBER: GALN-SA7C-740-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
154.5	0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
143.8	2.5°	141.2	141.2	135.8	130.5	127.8	122.5	119.8	117.2	114.5	111.9
154.5	5°	149.1	146.5	138.5	130.5	122.5	114.5	109.2	103.9	98.5	95.9
170.4	7.5°	162.5	157.1	141.2	127.8	117.2	106.5	101.2	93.2	87.9	79.9
189.1	10°	178.4	167.8	146.5	130.5	114.5	101.2	93.2	85.2	77.2	66.6
215.7	12.5°	199.7	181.1	154.5	127.8	109.2	93.2	85.2	74.6	66.6	58.6
250.3	15°	218.4	194.4	157.1	127.8	103.9	85.2	74.6	63.9	55.9	45.3
314.3	17.5°	245.0	205.1	154.5	119.8	95.9	74.6	63.9	55.9	42.6	26.6
466.1	20°	290.3	213.1	149.1	111.9	82.6	61.3	47.9	37.3	18.6	5.3
700.4	22.5°	362.2	234.4	143.8	101.2	71.9	47.9	32.0	13.3	0.0	0.0
1065.3	25°	500.7	271.6	143.8	95.9	63.9	34.6	10.7	0.0	0.0	0.0
1512.7	27.5°	665.8	322.3	143.8	82.6	50.6	18.6	0.0	0.0	0.0	0.0
2061.3	30°	833.6	378.2	143.8	71.9	39.9	2.7	0.0	0.0	0.0	0.0
2538.1	32.5°	993.4	426.1	146.5	61.3	26.6	0.0	0.0	0.0	0.0	0.0
3198.5	35°	1155.8	434.1	143.8	53.3	16.0	0.0	0.0	0.0	0.0	0.0
4008.2	37.5°	1363.6	418.1	135.8	47.9	8.0	0.0	0.0	0.0	0.0	0.0
5273.2	40°	1677.8	426.1	127.8	45.3	2.7	0.0	0.0	0.0	0.0	0.0
7529.0	42.5°	2258.4	460.7	117.2	45.3	0.0	0.0	0.0	0.0	0.0	0.0
11992.5	45°	3904.3	617.9	106.5	47.9	0.0	0.0	0.0	0.0	0.0	0.0
18003.5	47.5°	6458.3	1110.6	103.9	47.9	0.0	0.0	0.0	0.0	0.0	0.0
21686.7	50°	8242.7	1398.2	109.2	50.6	0.0	0.0	0.0	0.0	0.0	0.0
22147.4	52.5°	8229.4	1558.0	114.5	53.3	10.7	0.0	0.0	0.0	0.0	0.0
20413.7	55°	7315.9	1587.3	122.5	58.6	34.6	0.0	0.0	0.0	0.0	0.0
17542.7	57.5°	6114.8	1448.8	141.2	71.9	63.9	0.0	0.0	0.0	0.0	0.0
17092.6	58°	5901.7	1384.9	146.5	74.6	69.2	0.0	0.0	0.0	0.0	0.0
14826.2	60°	4836.4	1129.2	186.4	93.2	93.2	0.0	0.0	0.0	0.0	0.0
12155.0	62.5°	3339.7	985.4	213.1	119.8	95.9	0.0	0.0	0.0	0.0	0.0
8961.8	65°	2362.3	889.5	231.7	127.8	77.2	0.0	0.0	0.0	0.0	0.0
6367.8	67.5°	1765.7	820.3	255.7	130.5	39.9	0.0	0.0	0.0	0.0	0.0
3994.8	70°	1352.9	769.7	314.3	138.5	10.7	0.0	0.0	0.0	0.0	0.0
2380.9	72.5°	1102.6	711.1	380.8	143.8	0.0	0.0	0.0	0.0	0.0	0.0
1427.5	75°	913.5	641.8	367.5	157.1	0.0	0.0	0.0	0.0	0.0	0.0
761.7	77.5°	607.2	498.0	335.6	157.1	0.0	0.0	0.0	0.0	0.0	0.0
271.6	80°	213.1	197.1	261.0	138.5	0.0	0.0	0.0	0.0	0.0	0.0
55.9	82.5°	32.0	26.6	37.3	47.9	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: P1049487

CATALOG NUMBER: GALN-SA7C-740-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
154.5	0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
109.2	2.5°	109.2	109.2	106.5	109.2	109.2	114.5	127.8	146.5	167.8	175.8
93.2	5°	90.5	87.9	85.2	85.2	85.2	93.2	103.9	125.2	149.1	159.8
77.2	7.5°	74.6	71.9	69.2	66.6	66.6	71.9	85.2	109.2	133.2	143.8
63.9	10°	61.3	55.9	53.3	50.6	50.6	55.9	69.2	93.2	119.8	130.5
53.3	12.5°	50.6	42.6	37.3	34.6	32.0	39.9	53.3	74.6	103.9	117.2
39.9	15°	34.6	26.6	18.6	16.0	13.3	21.3	34.6	58.6	87.9	103.9
21.3	17.5°	18.6	8.0	2.7	0.0	0.0	5.3	16.0	42.6	71.9	85.2
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	53.3	66.6
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	32.0	45.3
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	24.0
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
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	8.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	21.3
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: P1049487

CATALOG NUMBER: GALN-SA7C-740-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
154.5	0°	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5	154.5
183.8	2.5°	189.1	186.4	181.1	175.8	175.8	175.8	183.8	191.8	199.7	199.7
165.1	5°	175.8	175.8	173.1	167.8	167.8	170.4	181.1	194.4	205.1	207.7
151.8	7.5°	162.5	167.8	162.5	159.8	162.5	165.1	175.8	191.8	207.7	213.1
141.2	10°	154.5	157.1	157.1	154.5	154.5	159.8	170.4	191.8	213.1	221.0
127.8	12.5°	143.8	149.1	146.5	146.5	146.5	151.8	165.1	189.1	218.4	229.0
114.5	15°	133.2	141.2	141.2	138.5	138.5	141.2	159.8	186.4	226.4	245.0
98.5	17.5°	122.5	130.5	133.2	127.8	127.8	133.2	151.8	186.4	231.7	263.7
79.9	20°	101.2	114.5	122.5	114.5	114.5	119.8	138.5	175.8	234.4	282.3
58.6	22.5°	79.9	93.2	103.9	101.2	101.2	103.9	127.8	167.8	237.0	314.3
34.6	25°	58.6	71.9	79.9	85.2	85.2	93.2	117.2	162.5	247.7	380.8
16.0	27.5°	34.6	50.6	61.3	66.6	69.2	79.9	109.2	157.1	266.3	476.7
0.0	30°	16.0	29.3	42.6	53.3	53.3	71.9	101.2	151.8	290.3	615.2
0.0	32.5°	0.0	13.3	21.3	37.3	39.9	58.6	93.2	146.5	324.9	748.4
0.0	35°	0.0	0.0	10.7	29.3	29.3	47.9	85.2	141.2	378.2	849.6
0.0	37.5°	0.0	0.0	0.0	21.3	24.0	42.6	82.6	138.5	388.8	857.6
0.0	40°	0.0	0.0	0.0	16.0	18.6	39.9	82.6	141.2	351.5	838.9
0.0	42.5°	0.0	0.0	0.0	10.7	13.3	39.9	82.6	146.5	316.9	860.2
0.0	45°	0.0	0.0	0.0	8.0	10.7	42.6	79.9	143.8	298.3	972.1
0.0	47.5°	0.0	0.0	0.0	10.7	16.0	42.6	77.2	141.2	300.9	1342.3
0.0	50°	0.0	0.0	0.0	13.3	18.6	42.6	79.9	135.8	330.2	2064.0
0.0	52.5°	0.0	0.0	0.0	10.7	16.0	47.9	87.9	133.2	359.5	2684.5
0.0	55°	0.0	0.0	0.0	2.7	8.0	61.3	95.9	133.2	404.8	2839.0
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	69.2	109.2	141.2	479.4	2777.8
0.0	58°	0.0	0.0	0.0	0.0	0.0	69.2	111.9	141.2	484.7	2724.5
0.0	60°	0.0	0.0	0.0	0.0	0.0	69.2	122.5	157.1	522.0	2426.2
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	58.6	146.5	197.1	543.3	1906.9
0.0	65°	0.0	0.0	0.0	0.0	0.0	47.9	173.1	215.7	559.3	1518.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	45.3	178.4	218.4	567.3	1209.1
0.0	70°	0.0	0.0	0.0	0.0	0.0	47.9	175.8	234.4	593.9	982.7
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	53.3	159.8	258.3	593.9	870.9
0.0	75°	0.0	0.0	0.0	0.0	0.0	55.9	149.1	290.3	540.6	753.7
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	53.3	146.5	338.2	482.0	620.5
0.0	80°	5.3	8.0	8.0	5.3	5.3	45.3	143.8	343.6	410.1	426.1
2.7	82.5°	16.0	21.3	18.6	13.3	13.3	39.9	127.8	287.6	213.1	183.8
16.0	85°	29.3	34.6	34.6	29.3	29.3	37.3	79.9	103.9	71.9	58.6
29.3	87.5°	39.9	45.3	45.3	39.9	39.9	37.3	34.6	32.0	29.3	29.3
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: SP1-2407-184-1

Test Date: 10/09/2024

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

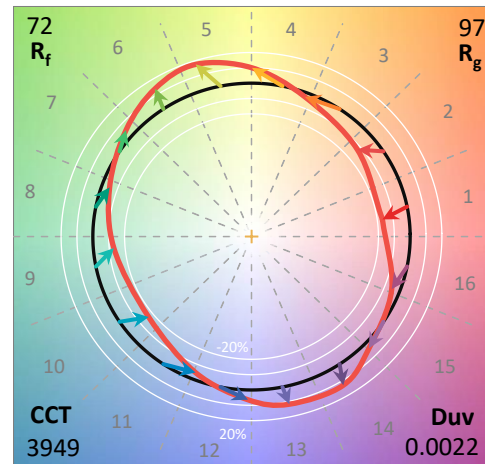
Data in this report applies to families of products including GSS-SB1A-740-U-5WQ

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

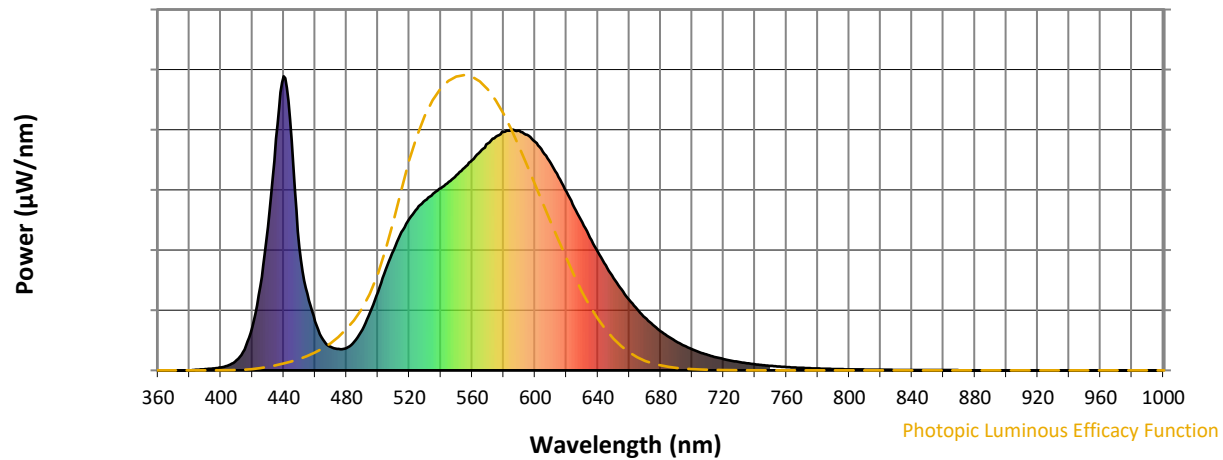
Stabilization Time: 34M
 Operation Time: 1H 34M
 Sphere Temperature (°C): 25.2

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

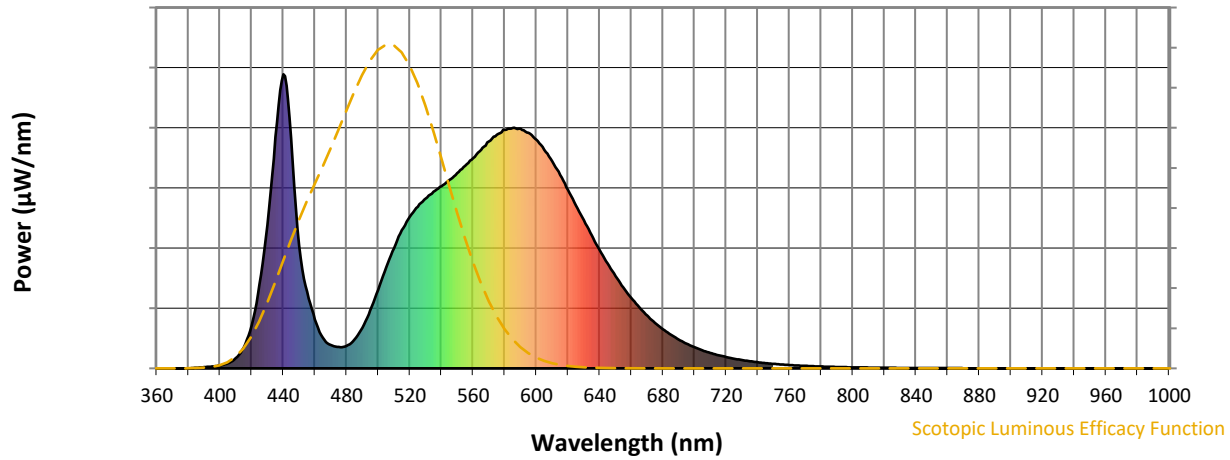


Photopic Lumens: NR

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

REPORT NUMBER: SP1-2407-184-1

Scotopic Flux vs. Wavelength



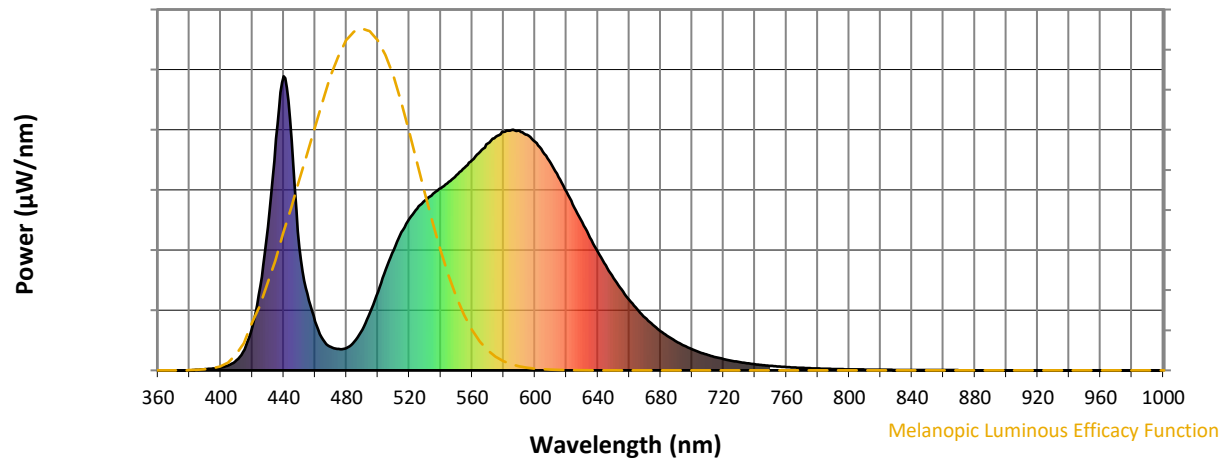
Scotopic Lumens: NR

S/P: 1.47

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

REPORT NUMBER: SP1-2407-184-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.78

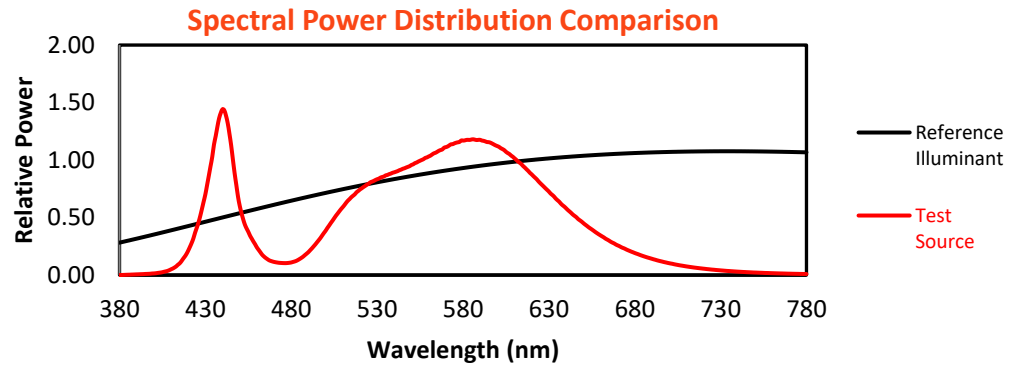
λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)	λ (nm)	Power W ^λ /nm	Lumens (φ/nm)
360	0	NR	490	139	NR	620	607	NR	750	15	NR	880	0	NR
365	0	NR	495	198	NR	625	554	NR	755	13	NR	885	0	NR
370	0	NR	500	267	NR	630	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

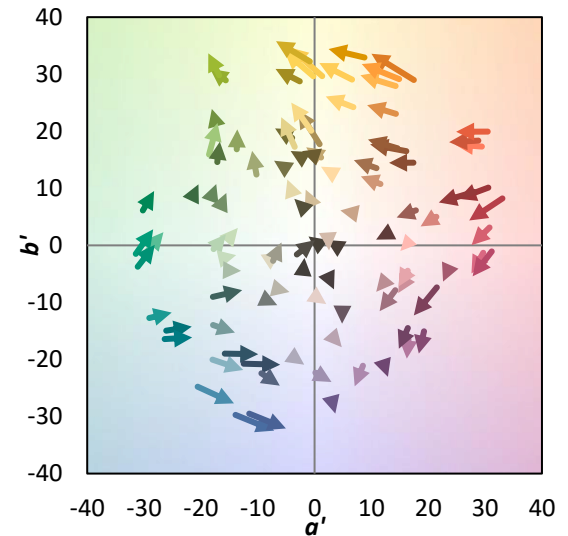
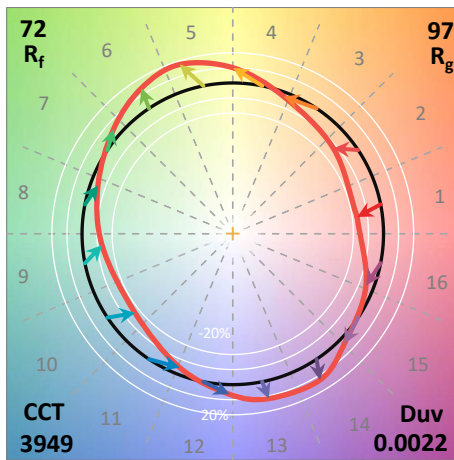
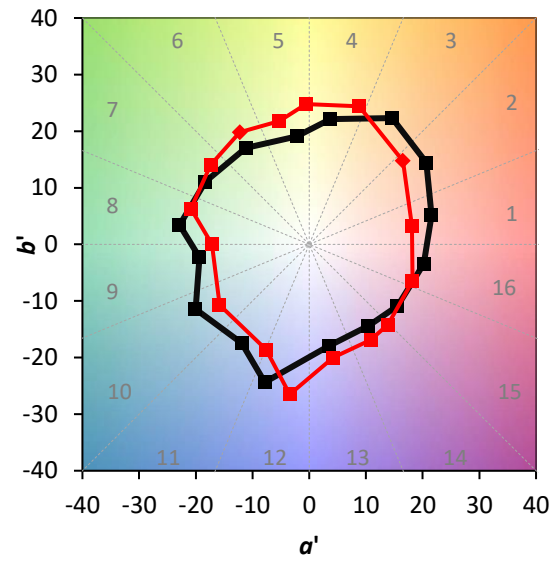
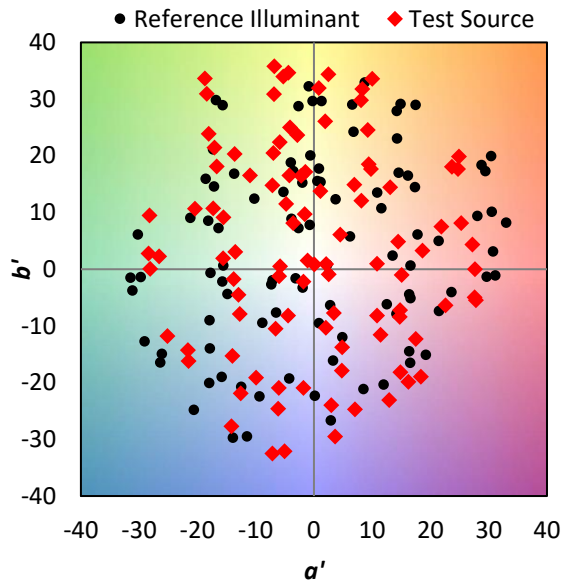
TM-30-18

Summary

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

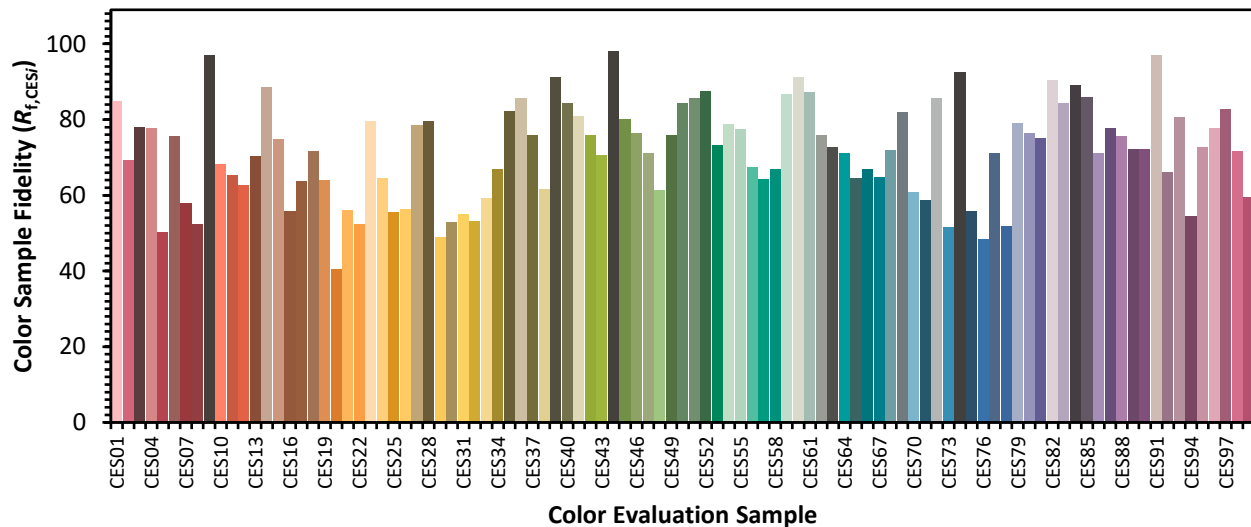


Color Vector Graphics

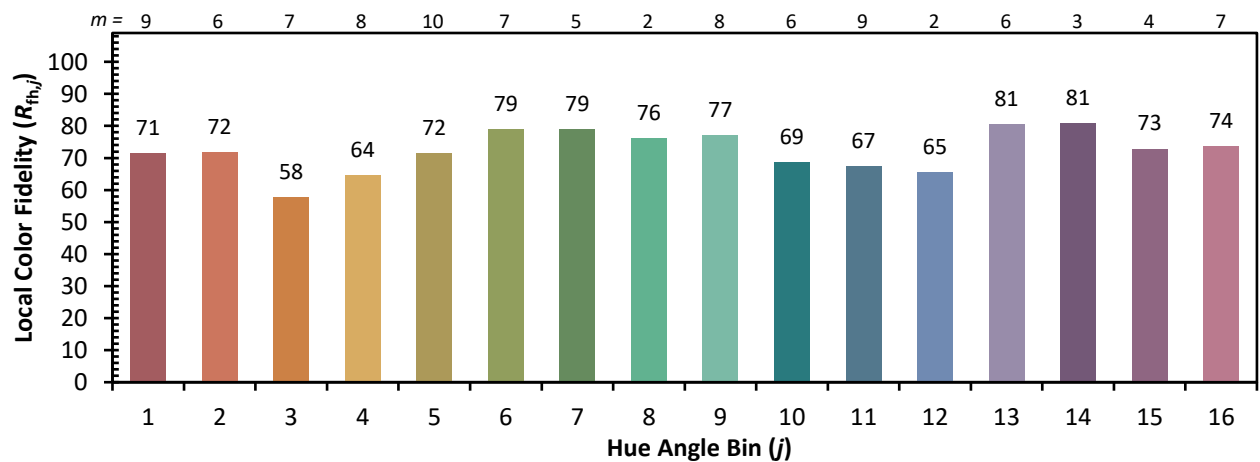
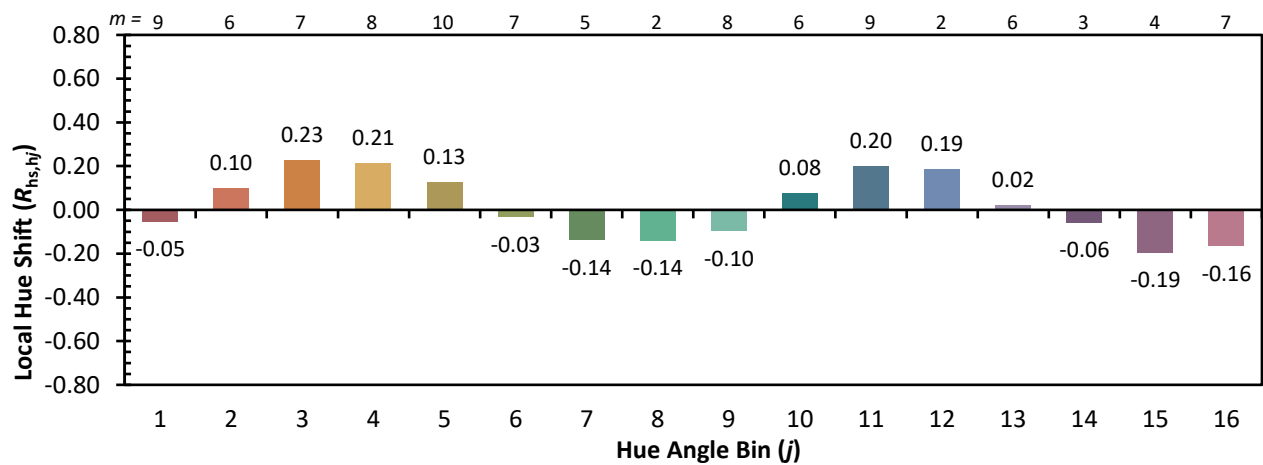
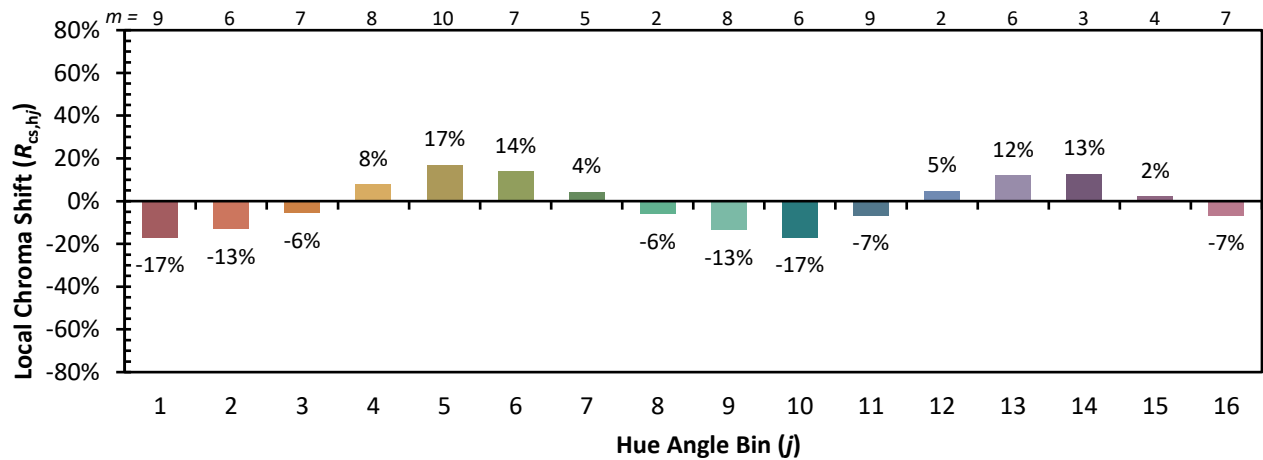


Individual Sample Fidelity Index ($R_{f,i}$)

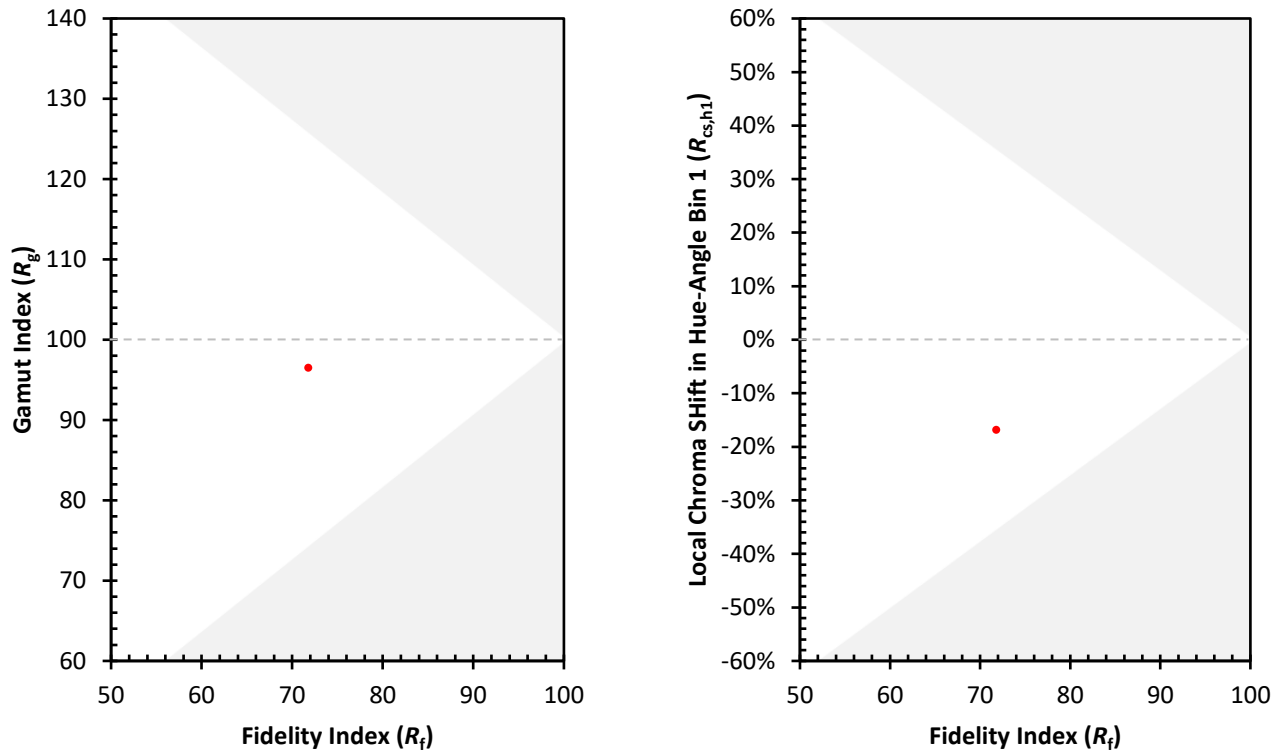
CES01 = 85	CES26 = 56	CES51 = 86	CES76 = 48
CES02 = 61	CES27 = 79	CES52 = 88	CES77 = 71
CES03 = 30	CES28 = 80	CES53 = 73	CES78 = 52
CES04 = 70	CES29 = 49	CES54 = 79	CES79 = 79
CES05 = 47	CES30 = 53	CES55 = 77	CES80 = 77
CES06 = 50	CES31 = 55	CES56 = 67	CES81 = 75
CES07 = 40	CES32 = 53	CES57 = 64	CES82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