

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: P1049615

Luminaire Tested: **GALN-SA3C-735-U-LBC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1049615
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3C-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 3xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15220.8 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

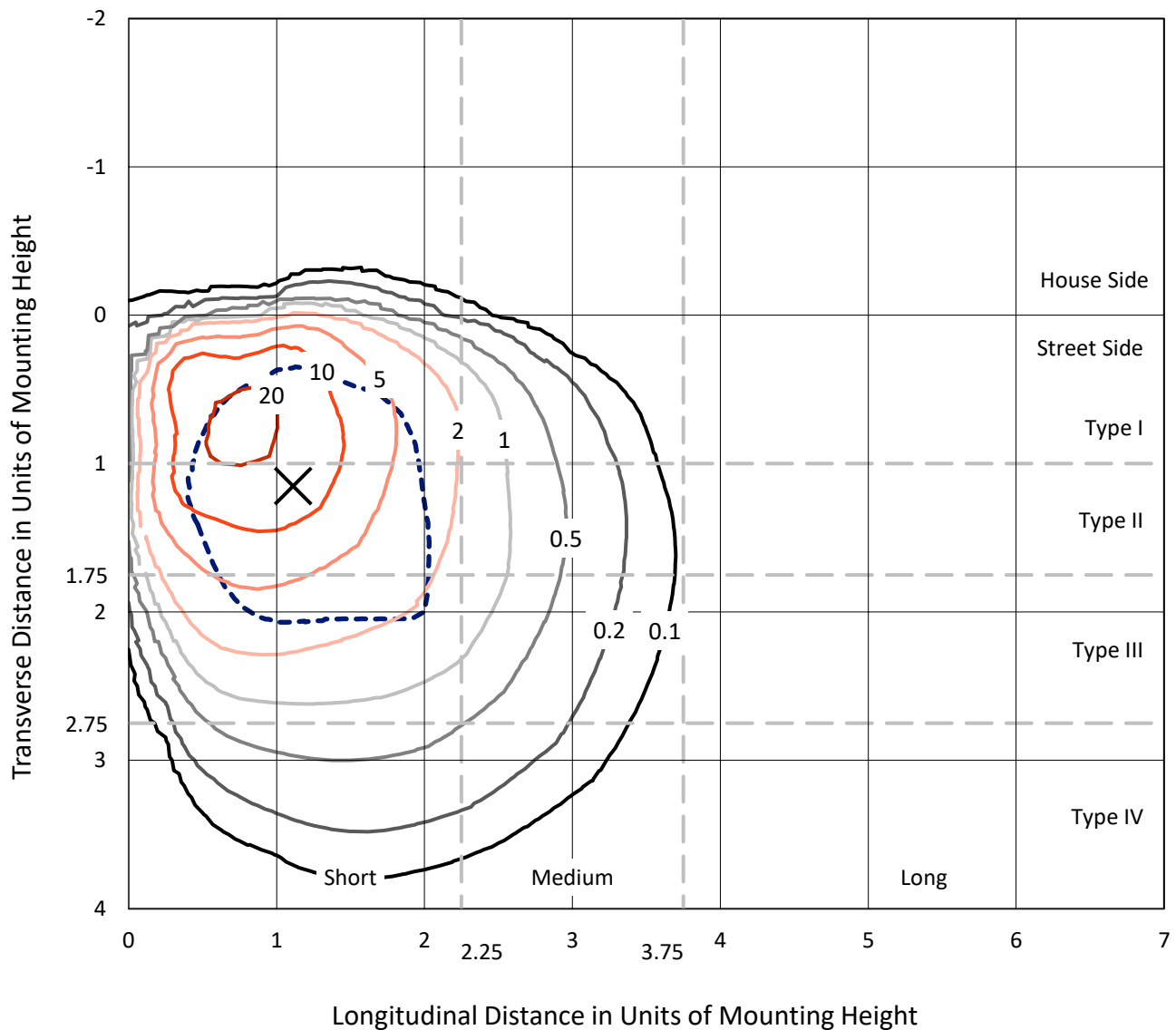
Input Watts (W): 140.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

REPORT NUMBER: P1049615

CATALOG NUMBER: GALN-SA3C-735-U-LBC

Iso-Footcandle Lines of Horizontal Illumination

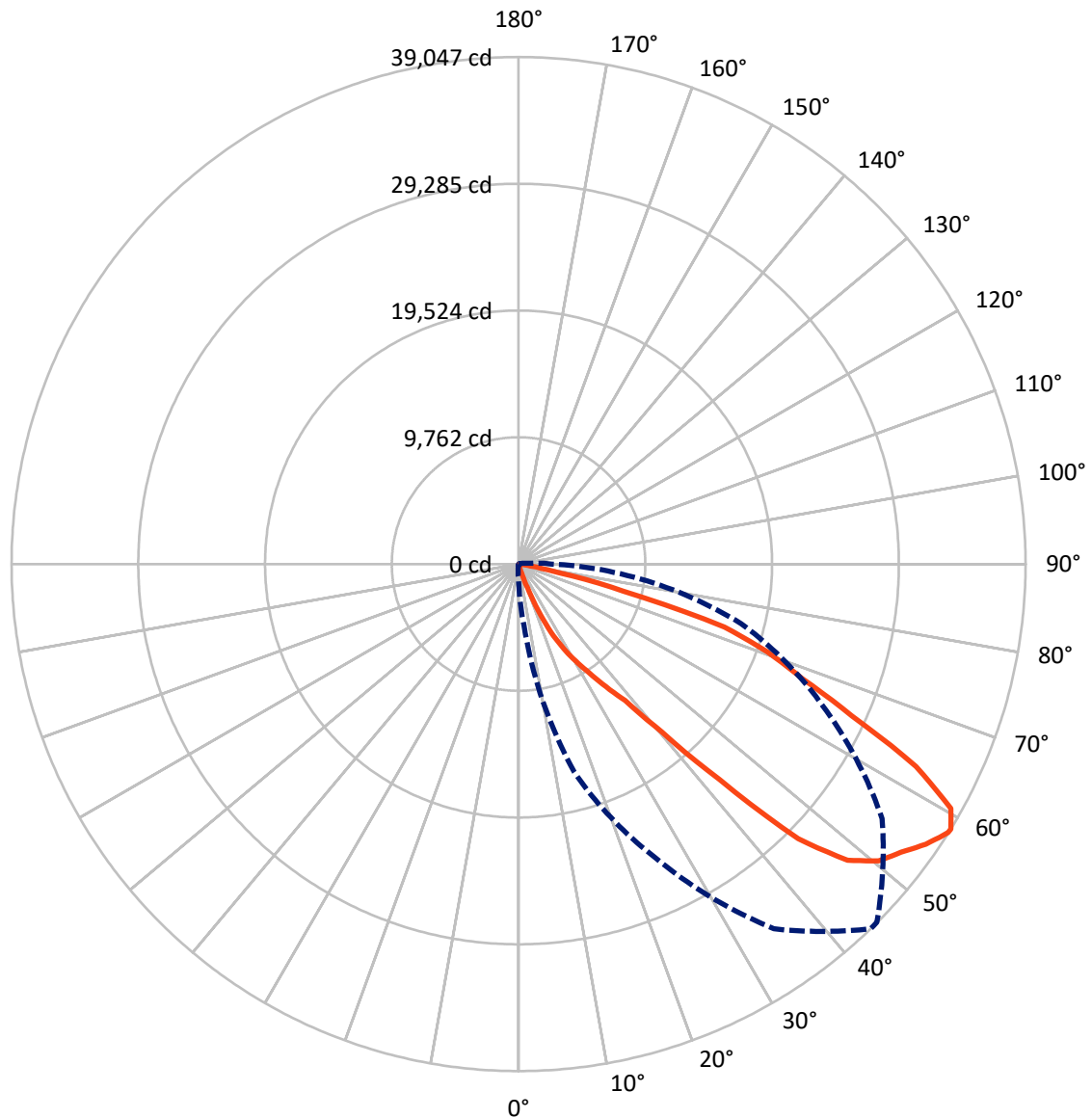
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 26.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1049615
CATALOG NUMBER: GALN-SA3C-735-U-LBC

Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P1049615

CATALOG NUMBER: GALN-SA3C-735-U-LBC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	103.9	0.0	103.9
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	15116.9	0.0	15116.9
	% Fixture	99.3	0.0	99.3
Total	Lumens	15220.8	0.0	15220.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.0
10°-20°	33.4	0.2
20°-30°	360.6	2.4
30°-40°	1066.4	7.0
40°-50°	3178.3	20.9
50°-60°	5043.3	33.1
60°-70°	4206.7	27.6
70°-80°	1297.4	8.5
80°-90°	28.8	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°	15220.8	100.0
0°-180°	15220.8	100.0



REPORT NUMBER: P1049615

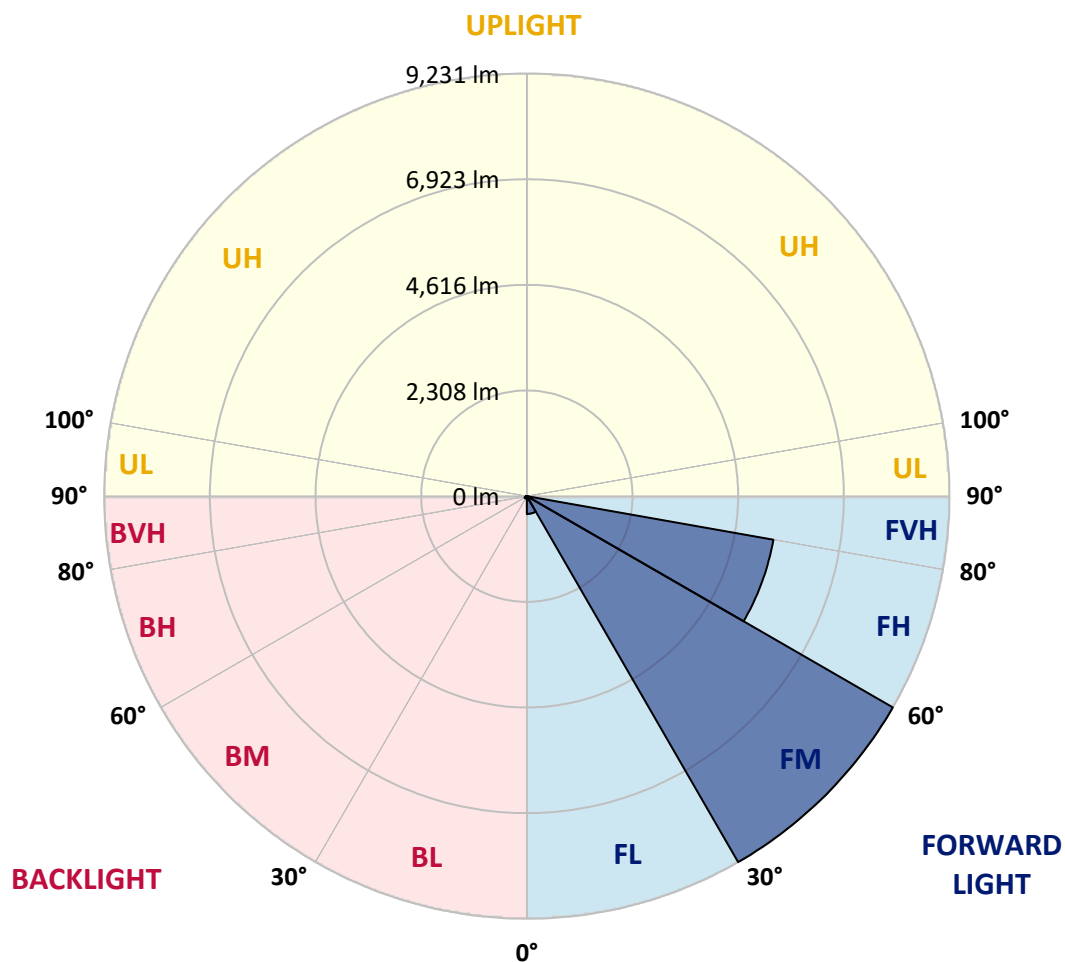
CATALOG NUMBER: GALN-SA3C-735-U-LBC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.7	2.6			
FM	(30°-60°)	9231.1	60.6			
FH	(60°-80°)	5468.6	35.9			G3/7500
FVH	(80°-90°)	27.4	0.2			G1/100
BL	(0°-30°)	10.2	0.1	B0/110		
BM	(30°-60°)	56.9	0.4	B0/220		
BH	(60°-80°)	35.5	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G3

Type III Short



REPORT NUMBER: P1049615

CATALOG NUMBER: GALN-SA3C-735-U-LBC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
2.5°	86.2	86.2	82.8	78.2	73.6	69.0	67.8	65.5	64.4	63.2
5°	89.7	89.7	88.5	85.1	80.5	77.0	77.0	73.6	71.3	69.0
7.5°	92.0	93.1	95.4	94.3	92.0	88.5	88.5	86.2	82.8	77.0
10°	95.4	98.9	103.5	105.8	106.9	106.9	105.8	104.6	98.9	90.8
12.5°	98.9	105.8	117.3	128.8	135.7	144.9	143.7	141.4	126.5	109.2
15°	105.8	116.1	140.3	173.6	225.4	257.6	270.2	258.7	209.3	147.2
17.5°	113.8	131.1	203.5	363.3	595.6	706.0	772.7	718.6	476.0	279.4
20°	121.9	159.8	378.3	941.7	1545.3	1906.4	2006.4	1850.0	1187.7	532.4
22.5°	135.7	224.2	766.9	1946.6	3329.8	3871.4	3973.7	3473.6	2243.3	1050.9
25°	164.4	325.4	1322.3	3172.3	4969.5	5883.5	5841.0	5185.6	3639.1	1678.7
27.5°	205.8	473.7	1999.5	4507.2	6540.1	7346.1	7442.7	6632.1	4851.0	2468.6
30°	265.6	656.5	2726.2	5576.5	7799.1	8670.7	8686.8	7848.6	5935.3	3162.0
32.5°	323.1	829.0	3362.0	6610.2	9039.8	9995.2	10066.5	9035.2	6744.7	3884.0
35°	366.8	941.7	4005.9	7518.6	10290.7	11607.3	11602.7	10378.1	7703.7	4529.1
37.5°	370.2	1054.4	4588.9	8447.6	11875.2	13349.2	13495.2	12145.4	8862.7	5327.0
40°	362.2	1180.8	5327.0	9896.4	14730.1	16991.8	17120.6	15418.9	11187.6	6693.0
42.5°	371.4	1400.5	6525.1	12572.0	19470.8	22719.0	22967.3	21178.2	15461.4	9480.1
45°	419.7	1813.2	9035.2	17048.1	26228.2	30188.1	30105.3	27528.6	20434.3	13722.9
47.5°	579.5	2823.9	12755.9	21404.7	30546.8	34073.3	34144.6	30995.3	23336.4	16984.9
50°	891.1	4321.0	15882.2	23707.8	32403.8	35941.7	35875.0	32235.9	24439.1	18591.2
52.5°	1159.0	5404.1	17450.6	24516.1	32641.8	36865.0	36860.4	32562.4	24610.4	18729.2
55°	1225.7	5485.7	17463.2	24559.8	33175.3	38073.5	38225.2	33366.2	24832.3	18126.7
57.5°	1199.2	4856.8	16734.2	24812.8	34125.0	39008.2	39016.3	34144.6	25395.7	17757.6
58°	1176.2	4757.9	16587.1	24956.5	34288.3	39047.3	39027.8	34180.2	25854.5	17743.8
60°	1047.5	4131.2	16013.3	25323.3	34045.7	38244.8	38062.0	33401.8	25786.6	17602.3
62.5°	823.3	3222.9	15448.8	24899.0	31444.8	34359.6	34435.5	29571.8	23507.7	16777.9
65°	655.4	2401.9	14271.4	21840.5	25893.6	28216.2	28499.0	24047.0	19621.4	14207.0
67.5°	522.0	1736.2	11971.8	17388.5	20489.5	23549.1	23754.9	20189.4	15201.6	10885.2
70°	424.3	1173.9	8263.6	12716.8	16899.8	20340.0	20352.7	16772.2	11346.3	7132.2
72.5°	376.0	812.9	4797.0	9274.3	13703.4	16574.4	16239.8	13610.2	8720.1	4224.4
75°	325.4	539.3	2352.5	5669.7	8308.5	8364.8	8492.5	6313.6	4358.9	2008.7
77.5°	267.9	382.9	926.7	1548.8	2491.6	3189.6	3308.0	2506.6	1449.9	494.4
80°	184.0	181.7	249.5	474.9	712.9	893.4	833.6	645.0	379.4	189.7
82.5°	79.3	86.2	112.7	135.7	110.4	106.9	102.3	65.5	50.6	39.1
85°	25.3	23.0	24.1	24.1	19.5	14.9	14.9	6.9	0.0	0.0
87.5°	12.6	10.3	10.3	9.2	5.7	2.3	1.1	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: P1049615

CATALOG NUMBER: GALN-SA3C-735-U-LBC

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
66.7	0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
62.1	2.5°	60.9	60.9	58.6	56.3	55.2	52.9	51.7	50.6	49.4	48.3
66.7	5°	64.4	63.2	59.8	56.3	52.9	49.4	47.1	44.8	42.5	41.4
73.6	7.5°	70.1	67.8	60.9	55.2	50.6	46.0	43.7	40.2	37.9	34.5
81.6	10°	77.0	72.4	63.2	56.3	49.4	43.7	40.2	36.8	33.3	28.7
93.1	12.5°	86.2	78.2	66.7	55.2	47.1	40.2	36.8	32.2	28.7	25.3
108.1	15°	94.3	83.9	67.8	55.2	44.8	36.8	32.2	27.6	24.1	19.5
135.7	17.5°	105.8	88.5	66.7	51.7	41.4	32.2	27.6	24.1	18.4	11.5
201.2	20°	125.3	92.0	64.4	48.3	35.6	26.4	20.7	16.1	8.0	2.3
302.4	22.5°	156.4	101.2	62.1	43.7	31.0	20.7	13.8	5.7	0.0	0.0
459.9	25°	216.2	117.3	62.1	41.4	27.6	14.9	4.6	0.0	0.0	0.0
653.1	27.5°	287.5	139.1	62.1	35.6	21.8	8.0	0.0	0.0	0.0	0.0
889.9	30°	359.9	163.3	62.1	31.0	17.2	1.1	0.0	0.0	0.0	0.0
1095.8	32.5°	428.9	184.0	63.2	26.4	11.5	0.0	0.0	0.0	0.0	0.0
1380.9	35°	499.0	187.4	62.1	23.0	6.9	0.0	0.0	0.0	0.0	0.0
1730.5	37.5°	588.7	180.5	58.6	20.7	3.4	0.0	0.0	0.0	0.0	0.0
2276.6	40°	724.4	184.0	55.2	19.5	1.1	0.0	0.0	0.0	0.0	0.0
3250.5	42.5°	975.0	198.9	50.6	19.5	0.0	0.0	0.0	0.0	0.0	0.0
5177.6	45°	1685.6	266.8	46.0	20.7	0.0	0.0	0.0	0.0	0.0	0.0
7772.7	47.5°	2788.3	479.5	44.8	20.7	0.0	0.0	0.0	0.0	0.0	0.0
9362.9	50°	3558.6	603.6	47.1	21.8	0.0	0.0	0.0	0.0	0.0	0.0
9561.8	52.5°	3552.9	672.6	49.4	23.0	4.6	0.0	0.0	0.0	0.0	0.0
8813.2	55°	3158.5	685.3	52.9	25.3	14.9	0.0	0.0	0.0	0.0	0.0
7573.8	57.5°	2639.9	625.5	60.9	31.0	27.6	0.0	0.0	0.0	0.0	0.0
7379.4	58°	2548.0	597.9	63.2	32.2	29.9	0.0	0.0	0.0	0.0	0.0
6401.0	60°	2088.0	487.5	80.5	40.2	40.2	0.0	0.0	0.0	0.0	0.0
5247.7	62.5°	1441.9	425.4	92.0	51.7	41.4	0.0	0.0	0.0	0.0	0.0
3869.1	65°	1019.9	384.0	100.0	55.2	33.3	0.0	0.0	0.0	0.0	0.0
2749.2	67.5°	762.3	354.1	110.4	56.3	17.2	0.0	0.0	0.0	0.0	0.0
1724.7	70°	584.1	332.3	135.7	59.8	4.6	0.0	0.0	0.0	0.0	0.0
1027.9	72.5°	476.0	307.0	164.4	62.1	0.0	0.0	0.0	0.0	0.0	0.0
616.3	75°	394.4	277.1	158.7	67.8	0.0	0.0	0.0	0.0	0.0	0.0
328.8	77.5°	262.2	215.0	144.9	67.8	0.0	0.0	0.0	0.0	0.0	0.0
117.3	80°	92.0	85.1	112.7	59.8	0.0	0.0	0.0	0.0	0.0	0.0
24.1	82.5°	13.8	11.5	16.1	20.7	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: P1049615

CATALOG NUMBER: GALN-SA3C-735-U-LBC

CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
66.7	0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
47.1	2.5°	47.1	47.1	46.0	47.1	47.1	49.4	55.2	63.2	72.4	75.9
40.2	5°	39.1	37.9	36.8	36.8	36.8	40.2	44.8	54.0	64.4	69.0
33.3	7.5°	32.2	31.0	29.9	28.7	28.7	31.0	36.8	47.1	57.5	62.1
27.6	10°	26.4	24.1	23.0	21.8	21.8	24.1	29.9	40.2	51.7	56.3
23.0	12.5°	21.8	18.4	16.1	14.9	13.8	17.2	23.0	32.2	44.8	50.6
17.2	15°	14.9	11.5	8.0	6.9	5.7	9.2	14.9	25.3	37.9	44.8
9.2	17.5°	8.0	3.4	1.1	0.0	0.0	2.3	6.9	18.4	31.0	36.8
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	23.0	28.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	13.8	19.5
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	10.3
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	3.4
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	9.2
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: P1049615

CATALOG NUMBER: GALN-SA3C-735-U-LBC

CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
66.7	0°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
79.3	2.5°	81.6	80.5	78.2	75.9	75.9	75.9	79.3	82.8	86.2	86.2
71.3	5°	75.9	75.9	74.7	72.4	72.4	73.6	78.2	83.9	88.5	89.7
65.5	7.5°	70.1	72.4	70.1	69.0	70.1	71.3	75.9	82.8	89.7	92.0
60.9	10°	66.7	67.8	67.8	66.7	66.7	69.0	73.6	82.8	92.0	95.4
55.2	12.5°	62.1	64.4	63.2	63.2	63.2	65.5	71.3	81.6	94.3	98.9
49.4	15°	57.5	60.9	60.9	59.8	59.8	60.9	69.0	80.5	97.7	105.8
42.5	17.5°	52.9	56.3	57.5	55.2	55.2	57.5	65.5	80.5	100.0	113.8
34.5	20°	43.7	49.4	52.9	49.4	49.4	51.7	59.8	75.9	101.2	121.9
25.3	22.5°	34.5	40.2	44.8	43.7	43.7	44.8	55.2	72.4	102.3	135.7
14.9	25°	25.3	31.0	34.5	36.8	36.8	40.2	50.6	70.1	106.9	164.4
6.9	27.5°	14.9	21.8	26.4	28.7	29.9	34.5	47.1	67.8	115.0	205.8
0.0	30°	6.9	12.6	18.4	23.0	23.0	31.0	43.7	65.5	125.3	265.6
0.0	32.5°	0.0	5.7	9.2	16.1	17.2	25.3	40.2	63.2	140.3	323.1
0.0	35°	0.0	0.0	4.6	12.6	12.6	20.7	36.8	60.9	163.3	366.8
0.0	37.5°	0.0	0.0	0.0	9.2	10.3	18.4	35.6	59.8	167.9	370.2
0.0	40°	0.0	0.0	0.0	6.9	8.0	17.2	35.6	60.9	151.8	362.2
0.0	42.5°	0.0	0.0	0.0	4.6	5.7	17.2	35.6	63.2	136.8	371.4
0.0	45°	0.0	0.0	0.0	3.4	4.6	18.4	34.5	62.1	128.8	419.7
0.0	47.5°	0.0	0.0	0.0	4.6	6.9	18.4	33.3	60.9	129.9	579.5
0.0	50°	0.0	0.0	0.0	5.7	8.0	18.4	34.5	58.6	142.6	891.1
0.0	52.5°	0.0	0.0	0.0	4.6	6.9	20.7	37.9	57.5	155.2	1159.0
0.0	55°	0.0	0.0	0.0	1.1	3.4	26.4	41.4	57.5	174.8	1225.7
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	29.9	47.1	60.9	207.0	1199.2
0.0	58°	0.0	0.0	0.0	0.0	0.0	29.9	48.3	60.9	209.3	1176.2
0.0	60°	0.0	0.0	0.0	0.0	0.0	29.9	52.9	67.8	225.4	1047.5
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	25.3	63.2	85.1	234.6	823.3
0.0	65°	0.0	0.0	0.0	0.0	0.0	20.7	74.7	93.1	241.5	655.4
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	19.5	77.0	94.3	244.9	522.0
0.0	70°	0.0	0.0	0.0	0.0	0.0	20.7	75.9	101.2	256.4	424.3
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	23.0	69.0	111.5	256.4	376.0
0.0	75°	0.0	0.0	0.0	0.0	0.0	24.1	64.4	125.3	233.4	325.4
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	23.0	63.2	146.0	208.1	267.9
0.0	80°	2.3	3.4	3.4	2.3	2.3	19.5	62.1	148.3	177.1	184.0
1.1	82.5°	6.9	9.2	8.0	5.7	5.7	17.2	55.2	124.2	92.0	79.3
6.9	85°	12.6	14.9	14.9	12.6	12.6	16.1	34.5	44.8	31.0	25.3
12.6	87.5°	17.2	19.5	19.5	17.2	17.2	16.1	14.9	13.8	12.6	12.6
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

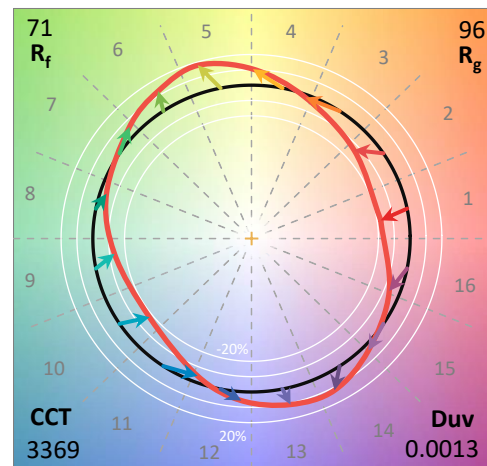
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3369
 CIE u' : 0.2386
 CIE v' : 0.5156
 Duv: 0.0013
 CIE x: 0.4143
 CIE y: 0.3980
 CIE z: 0.1877
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 43.80166
 R_f: 71.4
 R_g: 96

CRI (Ra): 70.1
 R1: 66.6
 R2: 77.6
 R3: 88.5
 R4: 69.5
 R5: 66.4
 R6: 69.6
 R7: 77.5
 R8: 44.9
 R9: -40.2
 R10: 49.1
 R11: 66.3
 R12: 45.7
 R13: 68.0
 R14: 93.4
 R15: 57.6



Test Conditions

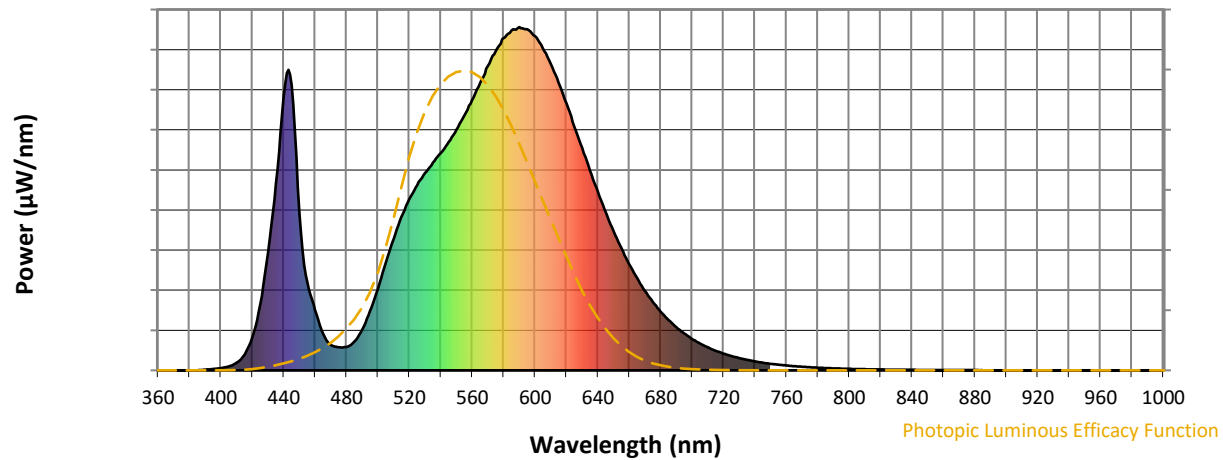
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-5

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: SP1-2407-184-5

Photopic Flux vs. Wavelength

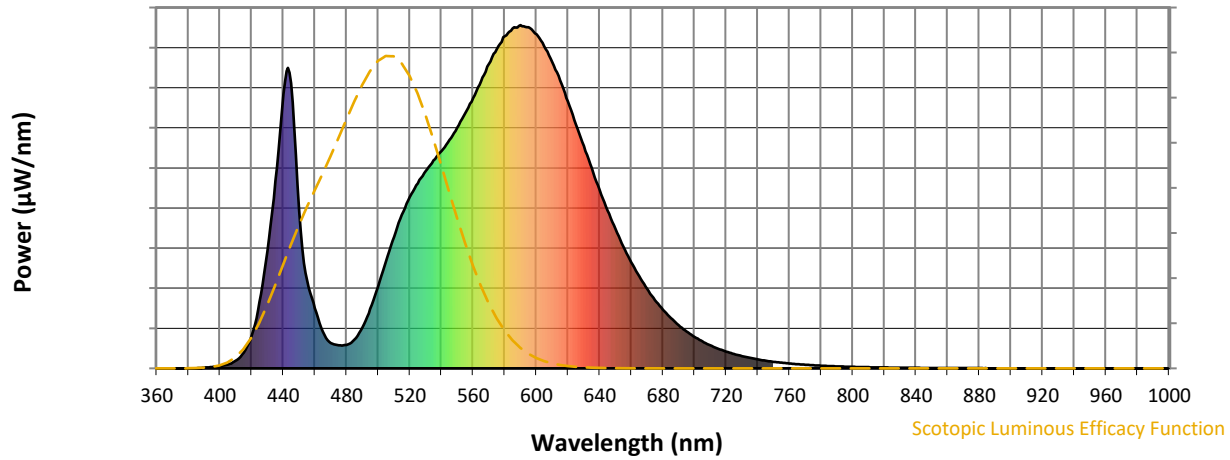


Photopic Lumens: NR

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength



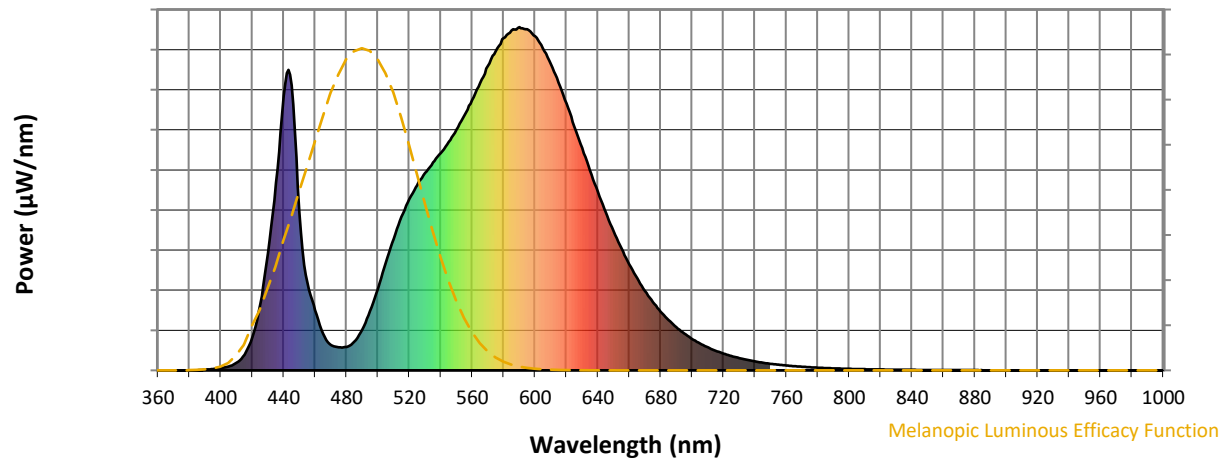
Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.36

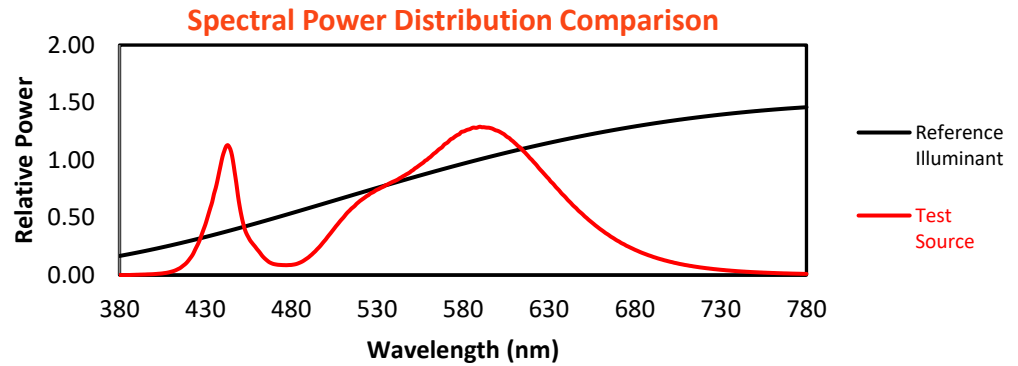
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

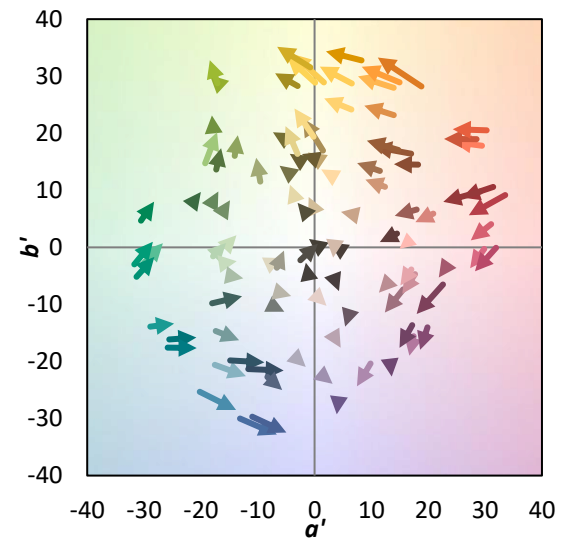
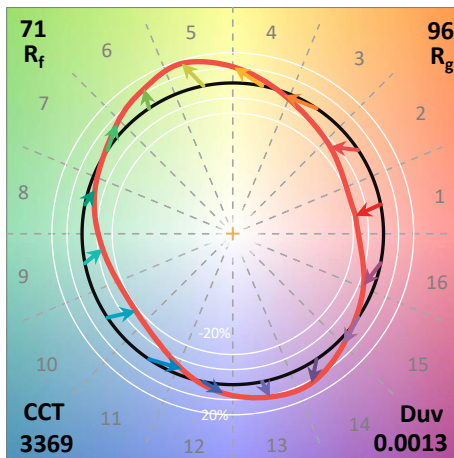
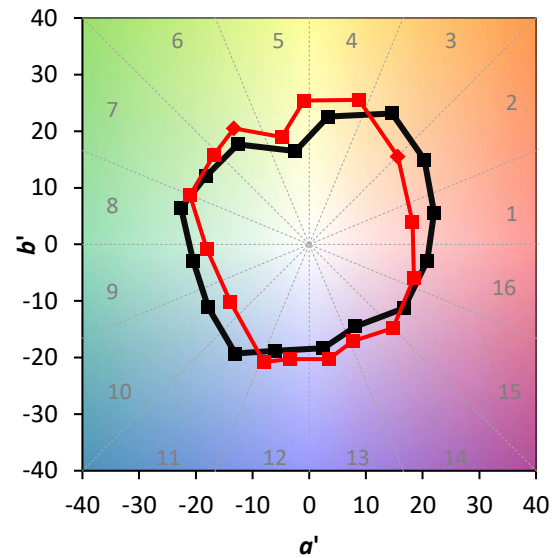
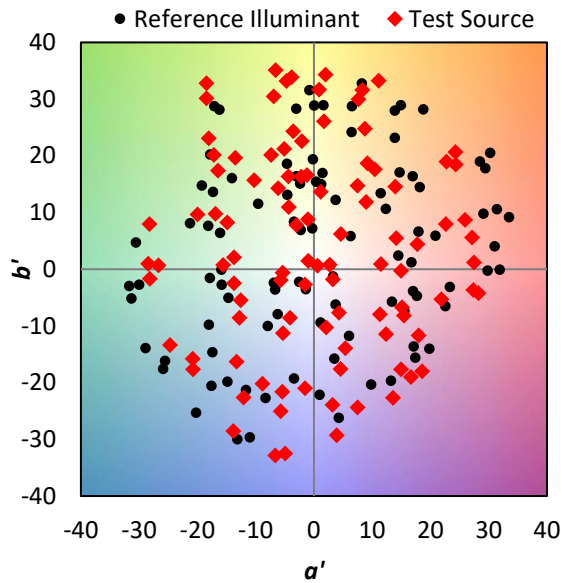
TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$

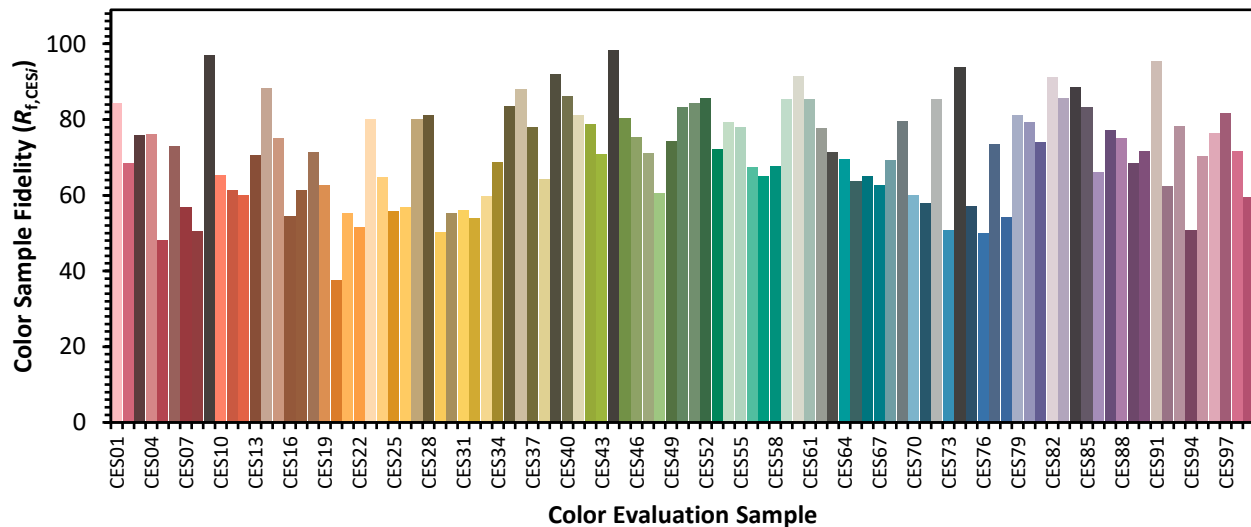


Color Vector Graphics

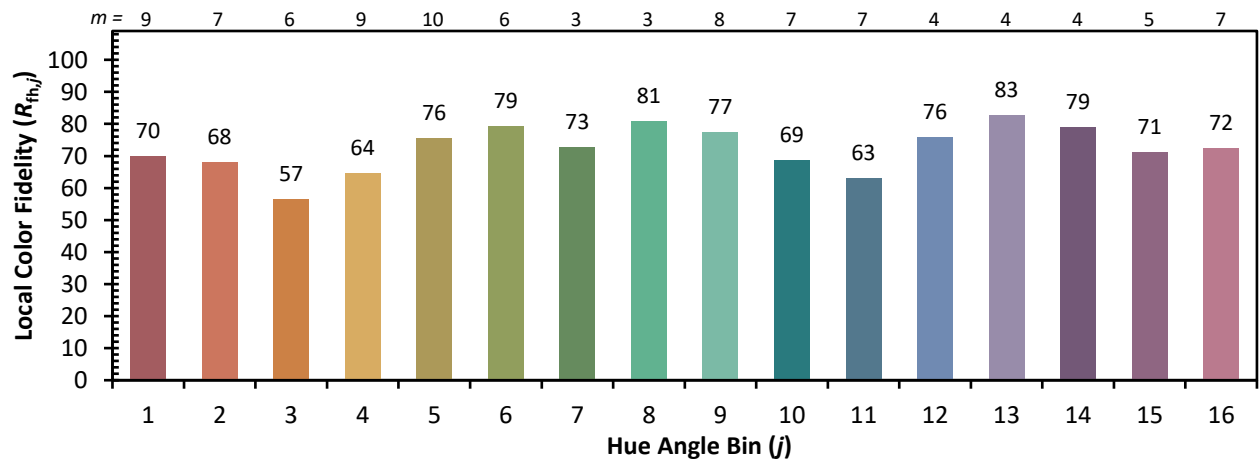
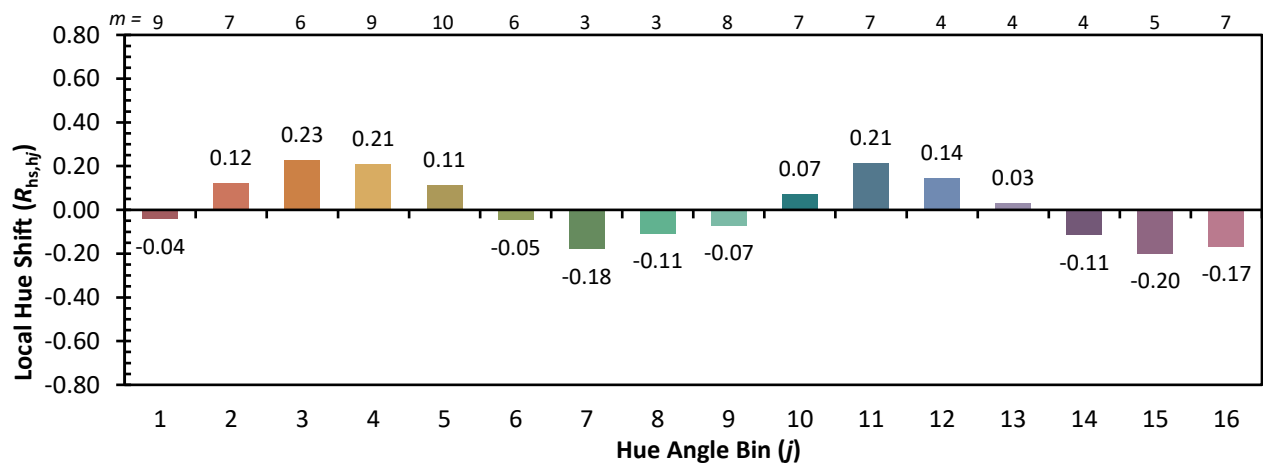
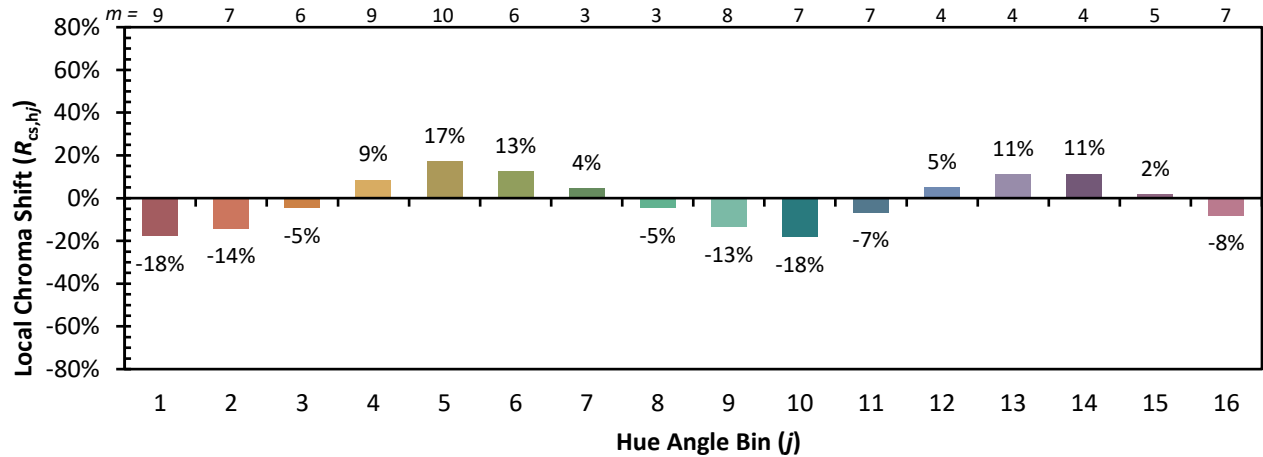


Individual Sample Fidelity Index ($R_{f,i}$)

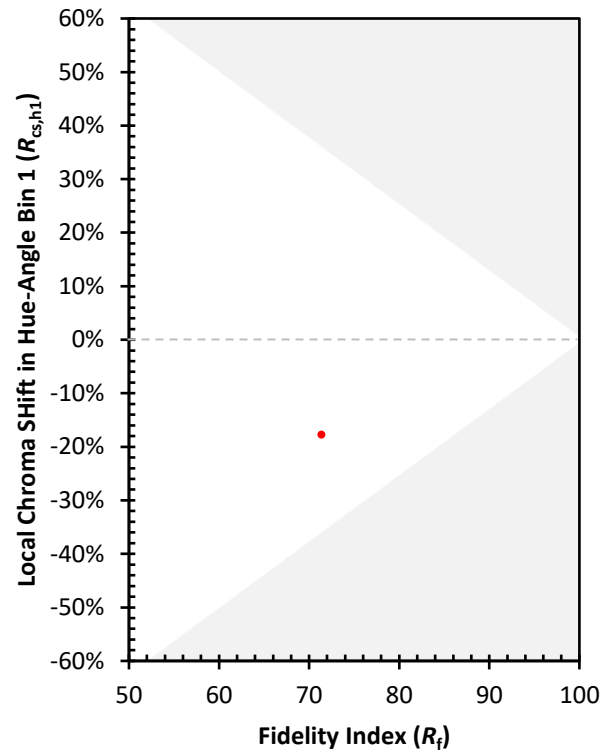
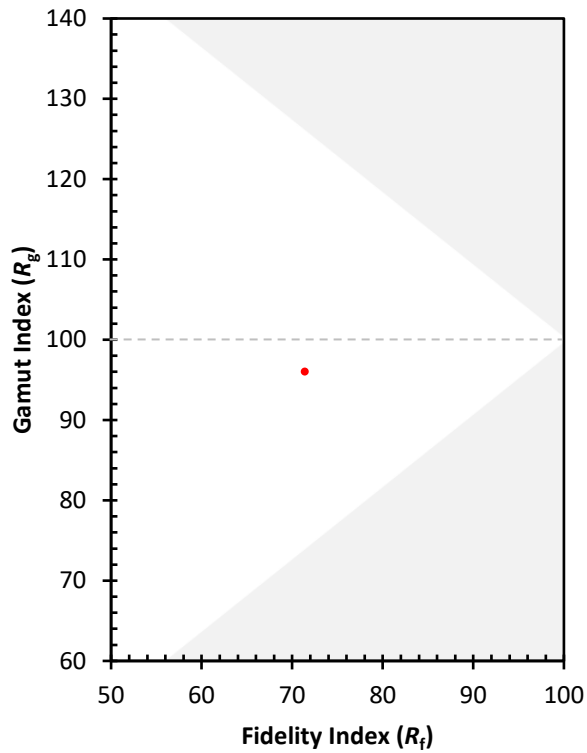
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)