

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: P1049635

Luminaire Tested: **GALN-SA8C-735-U-LBC**

Issue Date: 07/10/2025



Test Information

Test Method: LM-79-08
Report Number: P1049635
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA8C-735-U-LBC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 8xLight Square PACKAGE
70CRI 3500K FIXTURE w/ LEFT CORNER BACKLIGHT CONTROL
Light Source: (112) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39575 lumens
Efficiency: N/A
Efficacy: 106.1 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 (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

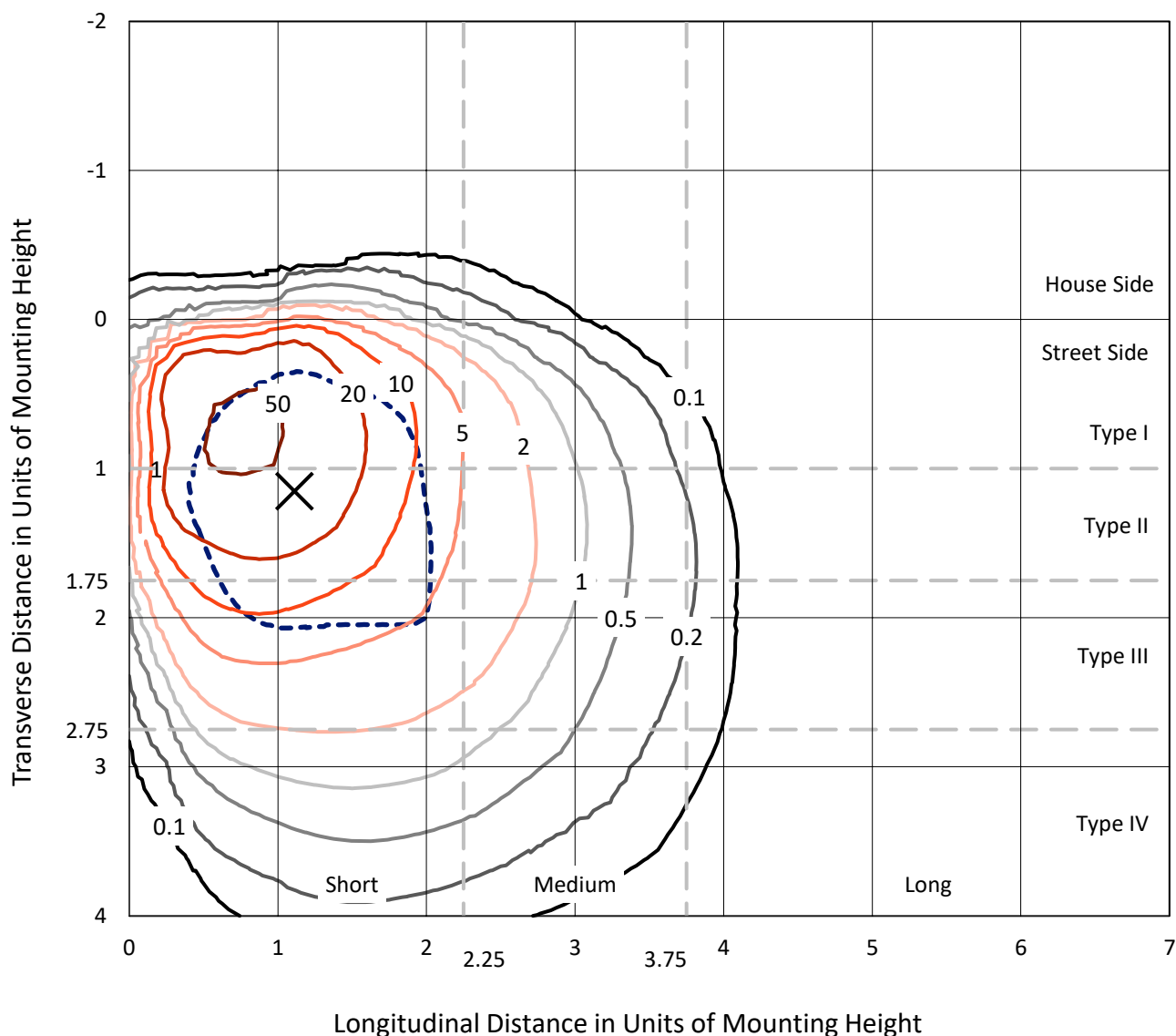
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

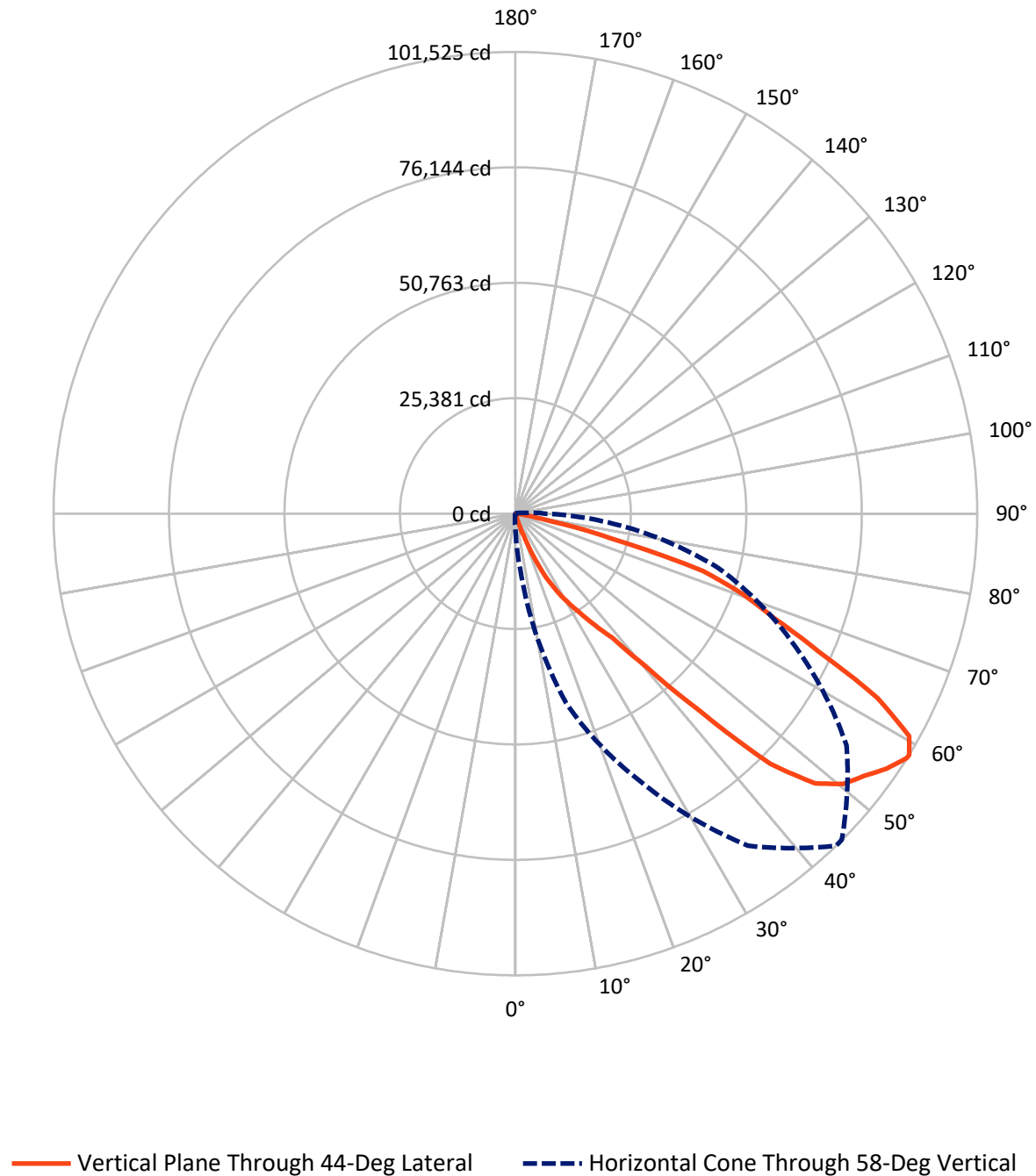
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 68.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	270.2	0.0	270.2
	% Fixture	0.7	0.0	0.7
Street Side	Lumens	39304.8	0.0	39304.8
	% Fixture	99.3	0.0	99.3
Total	Lumens	39575.0	0.0	39575.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.0
10°-20°	86.8	0.2
20°-30°	937.5	2.4
30°-40°	2772.6	7.0
40°-50°	8263.9	20.9
50°-60°	13112.8	33.1
60°-70°	10937.6	27.6
70°-80°	3373.3	8.5
80°-90°	74.9	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°	39575.0	100.0
0°-180°	39575.0	100.0



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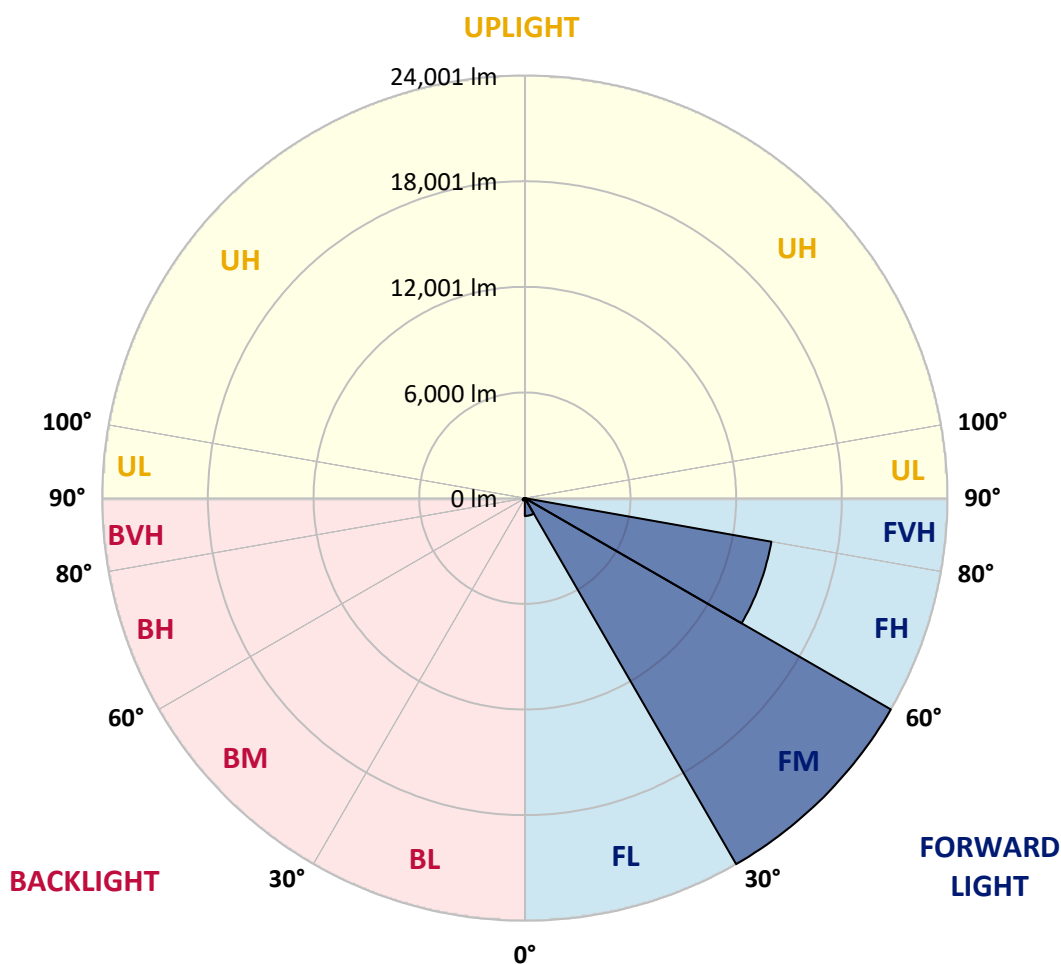
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1013.4	2.6			
FM	(30°-60°)	24001.4	60.6			
FH	(60°-80°)	14218.7	35.9			G5
FVH	(80°-90°)	71.3	0.2			G1/100
BL	(0°-30°)	26.4	0.1	B0/110		
BM	(30°-60°)	147.9	0.4	B0/220		
BH	(60°-80°)	92.3	0.2	B0/110		G0/110
BVH	(80°-90°)	3.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°
0°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
2.5°	224.2	224.2	215.2	203.3	191.3	179.4	176.4	170.4	167.4	164.4
5°	233.2	233.2	230.2	221.2	209.3	200.3	200.3	191.3	185.4	179.4
7.5°	239.2	242.2	248.1	245.1	239.2	230.2	230.2	224.2	215.2	200.3
10°	248.1	257.1	269.1	275.0	278.0	278.0	275.0	272.0	257.1	236.2
12.5°	257.1	275.0	304.9	334.8	352.8	376.7	373.7	367.7	328.9	284.0
15°	275.0	301.9	364.7	451.4	586.0	669.7	702.5	672.6	544.1	382.7
17.5°	296.0	340.8	529.2	944.7	1548.6	1835.6	2009.0	1868.5	1237.7	726.5
20°	316.9	415.5	983.6	2448.4	4018.0	4956.7	5216.8	4810.2	3088.2	1384.2
22.5°	352.8	583.0	1994.0	5061.3	8657.7	10065.8	10331.9	9031.4	5832.6	2732.5
25°	427.5	846.0	3438.0	8248.2	12920.9	15297.6	15186.9	13482.9	9461.9	4364.7
27.5°	535.1	1231.7	5198.8	11719.1	17004.6	19100.3	19351.4	17243.8	12612.9	6418.6
30°	690.6	1707.0	7088.2	14499.3	20278.1	22544.2	22586.1	20406.7	15432.1	8221.3
32.5°	840.1	2155.5	8741.5	17186.9	23503.9	25988.2	26173.5	23491.9	17536.7	10098.7
35°	953.7	2448.4	10415.6	19548.7	26756.5	30179.6	30167.6	26983.7	20030.0	11775.9
37.5°	962.6	2741.4	11931.3	21964.3	30876.1	34708.7	35088.4	31578.7	23043.5	13850.6
40°	941.7	3070.3	13850.6	25731.1	38299.2	44179.6	44514.5	40089.9	29088.4	17402.2
42.5°	965.6	3641.3	16965.7	32687.8	50625.1	59070.6	59716.4	55064.6	40200.5	24648.9
45°	1091.2	4714.5	23491.9	44326.1	68194.7	78490.8	78275.5	71575.9	53130.4	35680.3
47.5°	1506.7	7342.3	33166.1	55653.5	79423.5	88592.5	88777.8	80589.4	60676.0	44161.7
50°	2316.9	11234.7	41294.7	61641.6	84251.6	93450.5	93277.1	83815.1	63543.0	48338.1
52.5°	3013.5	14050.9	45372.5	63743.3	84870.5	95851.1	95839.1	84664.2	63988.4	48696.9
55°	3186.9	14263.2	45405.4	63856.9	86257.6	98993.1	99387.7	86753.9	64565.4	47130.3
57.5°	3118.1	12627.9	43510.0	64514.6	88727.0	101423.6	101444.6	88777.8	66030.3	46170.7
58°	3058.3	12370.8	43127.3	64888.3	89151.5	101525.3	101474.4	88870.5	67223.1	46134.8
60°	2723.5	10741.5	41635.5	65841.9	88520.7	99438.6	98963.2	86846.6	67046.7	45767.1
62.5°	2140.5	8379.7	40167.7	64738.8	81758.3	89336.9	89534.2	76888.4	61121.4	43623.6
65°	1704.0	6245.2	37106.4	56786.6	67324.8	73363.7	74099.1	62523.5	51016.7	36938.9
67.5°	1357.3	4514.2	31127.2	45211.0	53273.9	61229.1	61764.2	52493.6	39524.9	28302.1
70°	1103.1	3052.3	21485.9	33064.5	43940.5	52885.2	52918.1	43608.6	29500.9	18544.2
72.5°	977.6	2113.6	12472.4	24113.7	35629.5	43094.4	42224.5	35387.4	22672.8	10983.6
75°	846.0	1402.1	6116.6	14741.5	21602.5	21749.0	22080.8	16415.6	11333.4	5222.8
77.5°	696.6	995.5	2409.6	4026.9	6478.4	8293.0	8600.9	6517.2	3769.8	1285.5
80°	478.3	472.3	648.7	1234.7	1853.5	2322.9	2167.4	1677.1	986.6	493.3
82.5°	206.3	224.2	293.0	352.8	287.0	278.0	266.1	170.4	131.5	101.6
85°	65.8	59.8	62.8	62.8	50.8	38.9	38.9	17.9	0.0	0.0
87.5°	32.9	26.9	26.9	23.9	14.9	6.0	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



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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
173.4	0°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
161.4	2.5°	158.4	158.4	152.5	146.5	143.5	137.5	134.5	131.5	128.6	125.6
173.4	5°	167.4	164.4	155.5	146.5	137.5	128.6	122.6	116.6	110.6	107.6
191.3	7.5°	182.4	176.4	158.4	143.5	131.5	119.6	113.6	104.6	98.7	89.7
212.3	10°	200.3	188.3	164.4	146.5	128.6	113.6	104.6	95.7	86.7	74.7
242.2	12.5°	224.2	203.3	173.4	143.5	122.6	104.6	95.7	83.7	74.7	65.8
281.0	15°	245.1	218.2	176.4	143.5	116.6	95.7	83.7	71.7	62.8	50.8
352.8	17.5°	275.0	230.2	173.4	134.5	107.6	83.7	71.7	62.8	47.8	29.9
523.2	20°	325.9	239.2	167.4	125.6	92.7	68.8	53.8	41.9	20.9	6.0
786.3	22.5°	406.6	263.1	161.4	113.6	80.7	53.8	35.9	14.9	0.0	0.0
1195.8	25°	562.0	304.9	161.4	107.6	71.7	38.9	12.0	0.0	0.0	0.0
1698.1	27.5°	747.4	361.7	161.4	92.7	56.8	20.9	0.0	0.0	0.0	0.0
2313.9	30°	935.7	424.5	161.4	80.7	44.8	3.0	0.0	0.0	0.0	0.0
2849.0	32.5°	1115.1	478.3	164.4	68.8	29.9	0.0	0.0	0.0	0.0	0.0
3590.5	35°	1297.5	487.3	161.4	59.8	17.9	0.0	0.0	0.0	0.0	0.0
4499.3	37.5°	1530.7	469.4	152.5	53.8	9.0	0.0	0.0	0.0	0.0	0.0
5919.3	40°	1883.4	478.3	143.5	50.8	3.0	0.0	0.0	0.0	0.0	0.0
8451.5	42.5°	2535.1	517.2	131.5	50.8	0.0	0.0	0.0	0.0	0.0	0.0
13462.0	45°	4382.7	693.6	119.6	53.8	0.0	0.0	0.0	0.0	0.0	0.0
20209.4	47.5°	7249.7	1246.6	116.6	53.8	0.0	0.0	0.0	0.0	0.0	0.0
24343.9	50°	9252.7	1569.5	122.6	56.8	0.0	0.0	0.0	0.0	0.0	0.0
24861.1	52.5°	9237.7	1748.9	128.6	59.8	12.0	0.0	0.0	0.0	0.0	0.0
22914.9	55°	8212.3	1781.8	137.5	65.8	38.9	0.0	0.0	0.0	0.0	0.0
19692.2	57.5°	6864.0	1626.3	158.4	80.7	71.7	0.0	0.0	0.0	0.0	0.0
19187.0	58°	6624.9	1554.6	164.4	83.7	77.7	0.0	0.0	0.0	0.0	0.0
16642.8	60°	5429.0	1267.6	209.3	104.6	104.6	0.0	0.0	0.0	0.0	0.0
13644.3	62.5°	3748.9	1106.1	239.2	134.5	107.6	0.0	0.0	0.0	0.0	0.0
10059.9	65°	2651.7	998.5	260.1	143.5	86.7	0.0	0.0	0.0	0.0	0.0
7148.0	67.5°	1982.1	920.8	287.0	146.5	44.8	0.0	0.0	0.0	0.0	0.0
4484.3	70°	1518.7	864.0	352.8	155.5	12.0	0.0	0.0	0.0	0.0	0.0
2672.7	72.5°	1237.7	798.2	427.5	161.4	0.0	0.0	0.0	0.0	0.0	0.0
1602.4	75°	1025.4	720.5	412.6	176.4	0.0	0.0	0.0	0.0	0.0	0.0
855.0	77.5°	681.6	559.0	376.7	176.4	0.0	0.0	0.0	0.0	0.0	0.0
304.9	80°	239.2	221.2	293.0	155.5	0.0	0.0	0.0	0.0	0.0	0.0
62.8	82.5°	35.9	29.9	41.9	53.8	0.0	0.0	0.0	0.0	0.0	0.0
0.0	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

180°		185°	195°	205°	215°	225°	235°	245°	255°	265°	270°
173.4	0°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
122.6	2.5°	122.6	122.6	119.6	122.6	122.6	128.6	143.5	164.4	188.3	197.3
104.6	5°	101.6	98.7	95.7	95.7	95.7	104.6	116.6	140.5	167.4	179.4
86.7	7.5°	83.7	80.7	77.7	74.7	74.7	80.7	95.7	122.6	149.5	161.4
71.7	10°	68.8	62.8	59.8	56.8	56.8	62.8	77.7	104.6	134.5	146.5
59.8	12.5°	56.8	47.8	41.9	38.9	35.9	44.8	59.8	83.7	116.6	131.5
44.8	15°	38.9	29.9	20.9	17.9	14.9	23.9	38.9	65.8	98.7	116.6
23.9	17.5°	20.9	9.0	3.0	0.0	0.0	6.0	17.9	47.8	80.7	95.7
0.0	20°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.9	59.8	74.7
0.0	22.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	35.9	50.8
0.0	25°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	26.9
0.0	27.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
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	9.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	23.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

275°		285°	295°	305°	315°	316°	325°	335°	345°	355°	360°
173.4	0°	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
206.3	2.5°	212.3	209.3	203.3	197.3	197.3	197.3	206.3	215.2	224.2	224.2
185.4	5°	197.3	197.3	194.3	188.3	188.3	191.3	203.3	218.2	230.2	233.2
170.4	7.5°	182.4	188.3	182.4	179.4	182.4	185.4	197.3	215.2	233.2	239.2
158.4	10°	173.4	176.4	176.4	173.4	173.4	179.4	191.3	215.2	239.2	248.1
143.5	12.5°	161.4	167.4	164.4	164.4	164.4	170.4	185.4	212.3	245.1	257.1
128.6	15°	149.5	158.4	158.4	155.5	155.5	158.4	179.4	209.3	254.1	275.0
110.6	17.5°	137.5	146.5	149.5	143.5	143.5	149.5	170.4	209.3	260.1	296.0
89.7	20°	113.6	128.6	137.5	128.6	128.6	134.5	155.5	197.3	263.1	316.9
65.8	22.5°	89.7	104.6	116.6	113.6	113.6	116.6	143.5	188.3	266.1	352.8
38.9	25°	65.8	80.7	89.7	95.7	95.7	104.6	131.5	182.4	278.0	427.5
17.9	27.5°	38.9	56.8	68.8	74.7	77.7	89.7	122.6	176.4	299.0	535.1
0.0	30°	17.9	32.9	47.8	59.8	59.8	80.7	113.6	170.4	325.9	690.6
0.0	32.5°	0.0	14.9	23.9	41.9	44.8	65.8	104.6	164.4	364.7	840.1
0.0	35°	0.0	0.0	12.0	32.9	32.9	53.8	95.7	158.4	424.5	953.7
0.0	37.5°	0.0	0.0	0.0	23.9	26.9	47.8	92.7	155.5	436.5	962.6
0.0	40°	0.0	0.0	0.0	17.9	20.9	44.8	92.7	158.4	394.6	941.7
0.0	42.5°	0.0	0.0	0.0	12.0	14.9	44.8	92.7	164.4	355.8	965.6
0.0	45°	0.0	0.0	0.0	9.0	12.0	47.8	89.7	161.4	334.8	1091.2
0.0	47.5°	0.0	0.0	0.0	12.0	17.9	47.8	86.7	158.4	337.8	1506.7
0.0	50°	0.0	0.0	0.0	14.9	20.9	47.8	89.7	152.5	370.7	2316.9
0.0	52.5°	0.0	0.0	0.0	12.0	17.9	53.8	98.7	149.5	403.6	3013.5
0.0	55°	0.0	0.0	0.0	3.0	9.0	68.8	107.6	149.5	454.4	3186.9
0.0	57.5°	0.0	0.0	0.0	0.0	0.0	77.7	122.6	158.4	538.1	3118.1
0.0	58°	0.0	0.0	0.0	0.0	0.0	77.7	125.6	158.4	544.1	3058.3
0.0	60°	0.0	0.0	0.0	0.0	0.0	77.7	137.5	176.4	586.0	2723.5
0.0	62.5°	0.0	0.0	0.0	0.0	0.0	65.8	164.4	221.2	609.9	2140.5
0.0	65°	0.0	0.0	0.0	0.0	0.0	53.8	194.3	242.2	627.8	1704.0
0.0	67.5°	0.0	0.0	0.0	0.0	0.0	50.8	200.3	245.1	636.8	1357.3
0.0	70°	0.0	0.0	0.0	0.0	0.0	53.8	197.3	263.1	666.7	1103.1
0.0	72.5°	0.0	0.0	0.0	0.0	0.0	59.8	179.4	290.0	666.7	977.6
0.0	75°	0.0	0.0	0.0	0.0	0.0	62.8	167.4	325.9	606.9	846.0
0.0	77.5°	0.0	0.0	0.0	0.0	0.0	59.8	164.4	379.7	541.1	696.6
0.0	80°	6.0	9.0	9.0	6.0	6.0	50.8	161.4	385.7	460.4	478.3
3.0	82.5°	17.9	23.9	20.9	14.9	14.9	44.8	143.5	322.9	239.2	206.3
17.9	85°	32.9	38.9	38.9	32.9	32.9	41.9	89.7	116.6	80.7	65.8
32.9	87.5°	44.8	50.8	50.8	44.8	44.8	41.9	38.9	35.9	32.9	32.9
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: SP1-2407-184-5

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

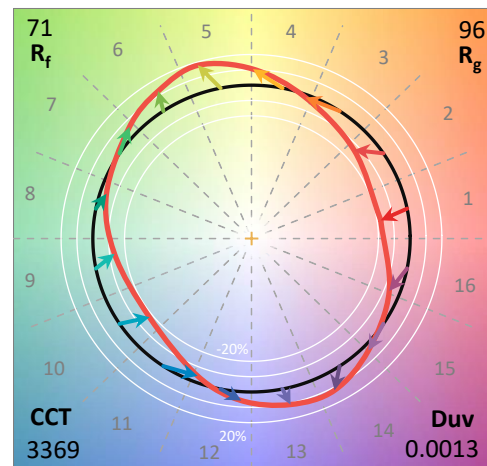
Test Information

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

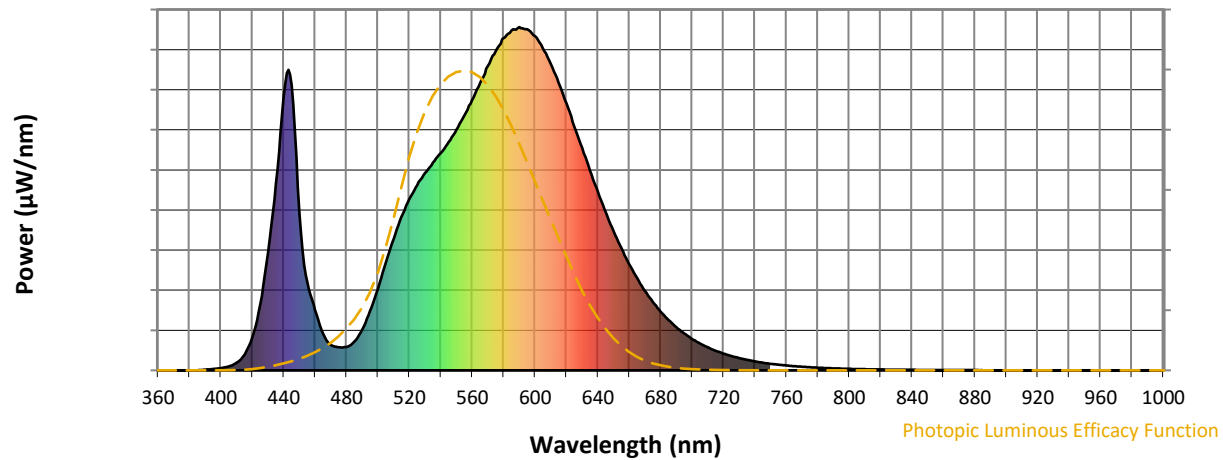
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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

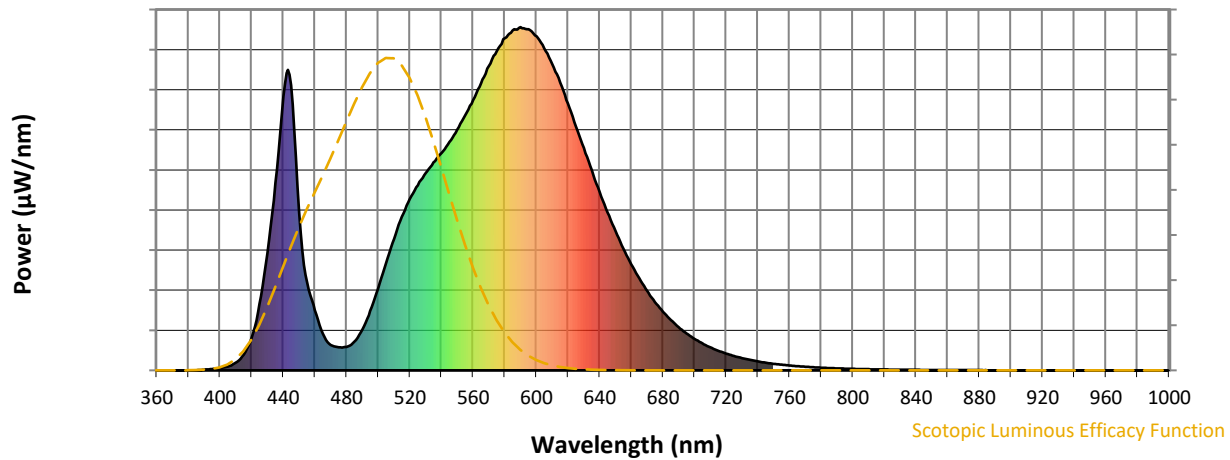


Photopic Lumens: NR

λ (nm)	Power $\text{W}^\wedge/\text{nm}$	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

Scotopic Flux vs. Wavelength

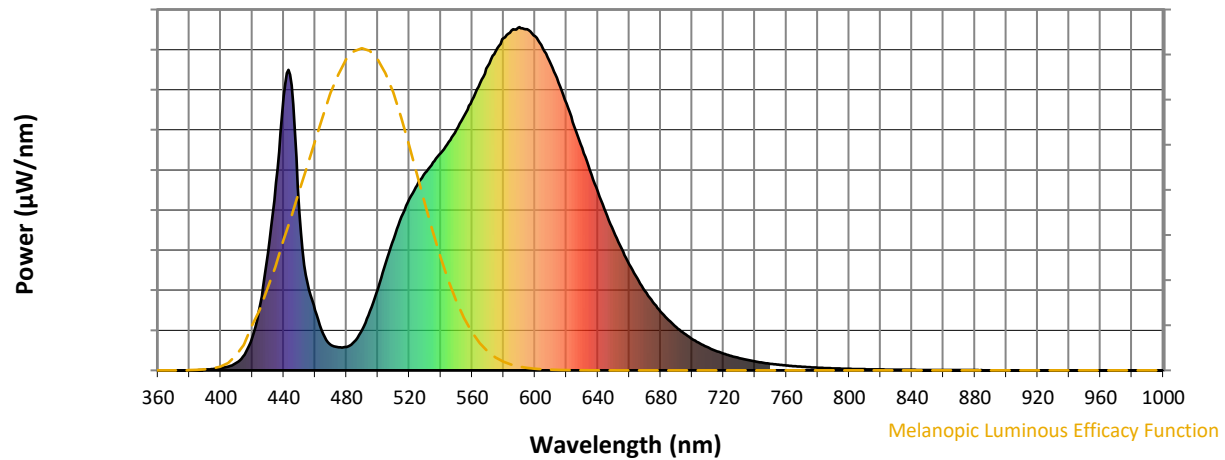


Scotopic Lumens: NR

S/P: 1.29

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	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

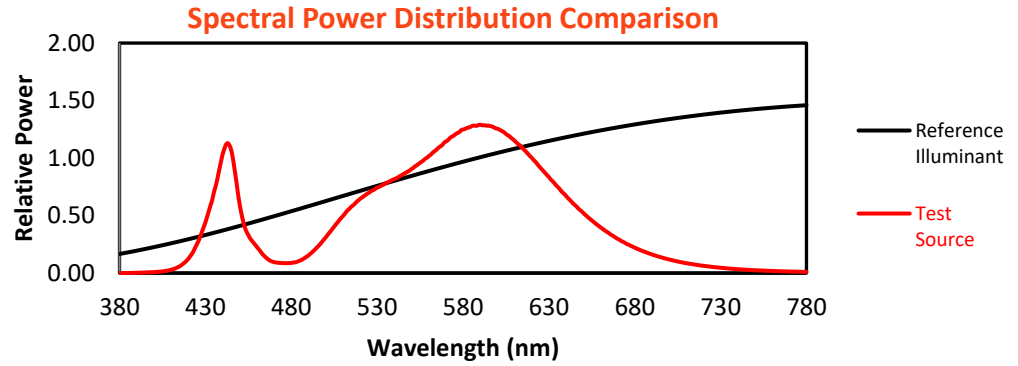
λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^\wedge/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	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

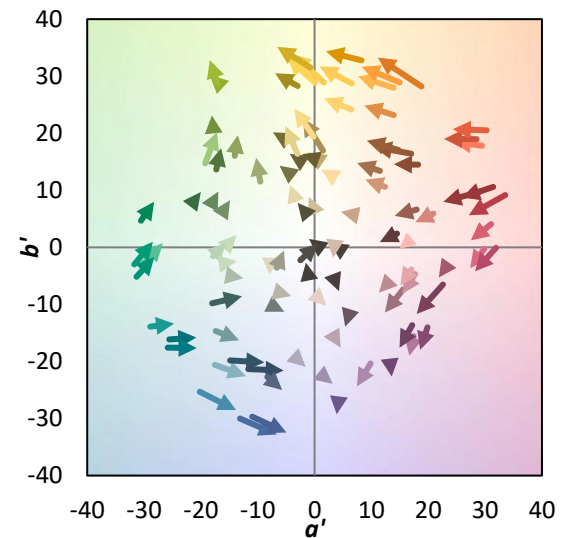
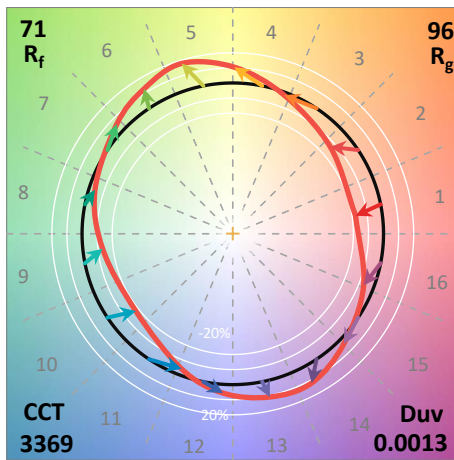
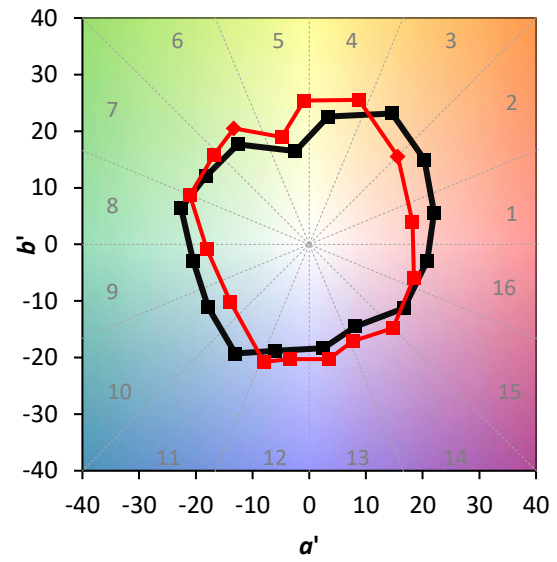
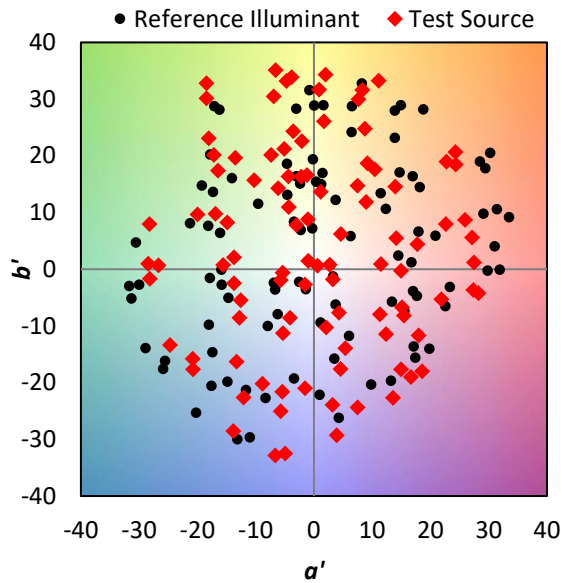
TM-30-18

Summary

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

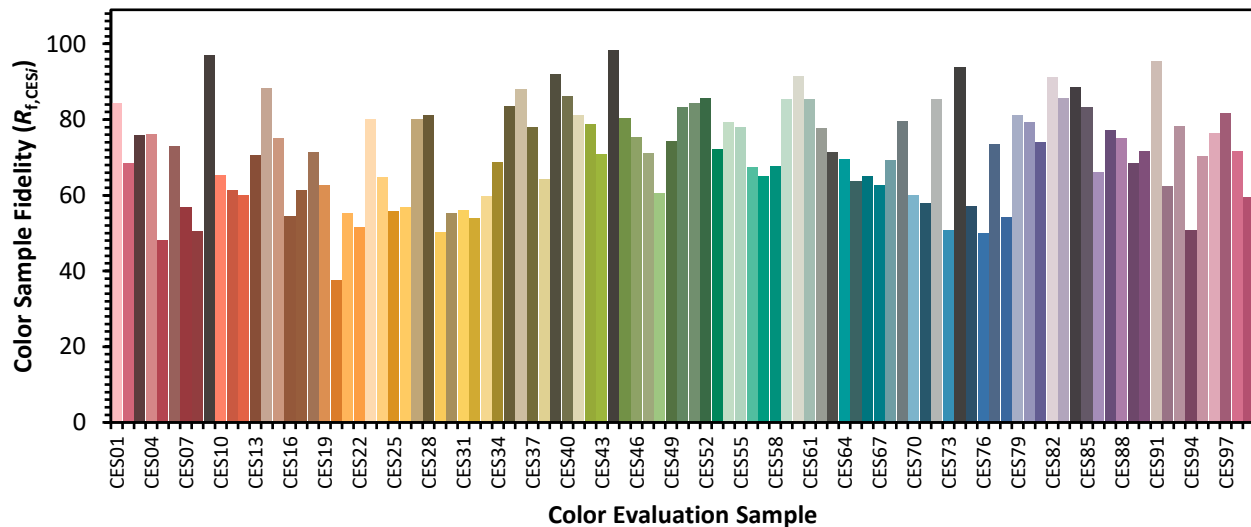


Color Vector Graphics

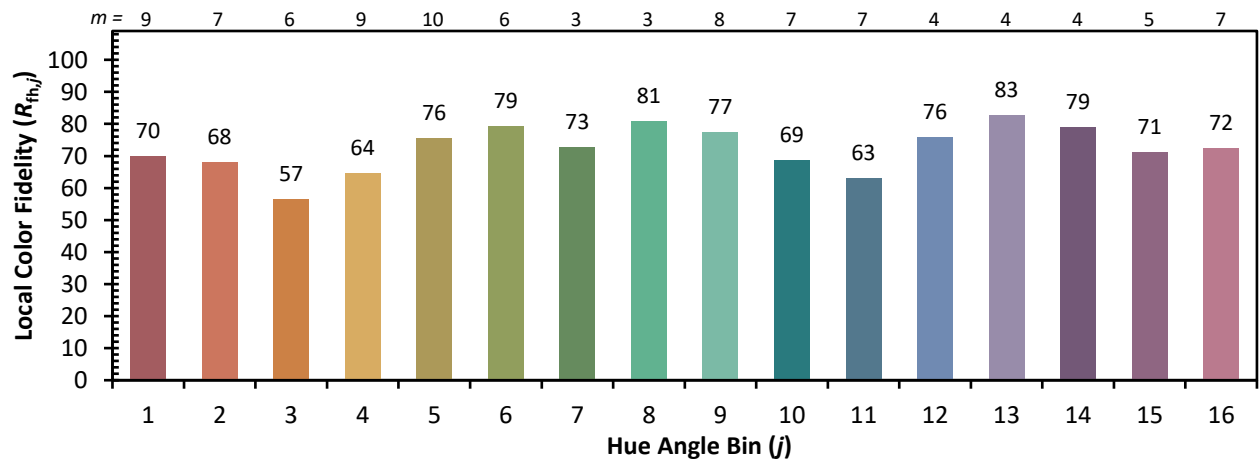
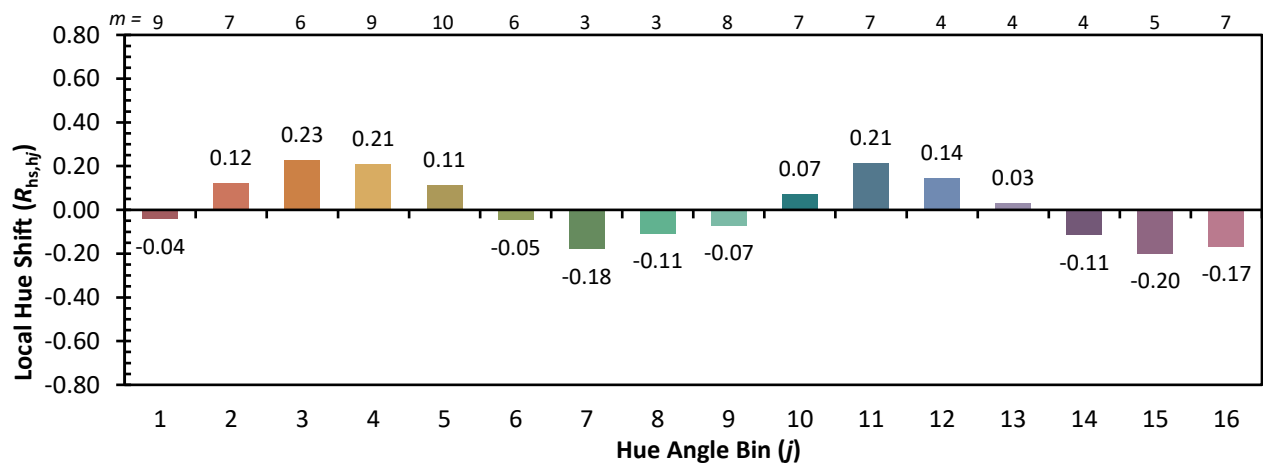
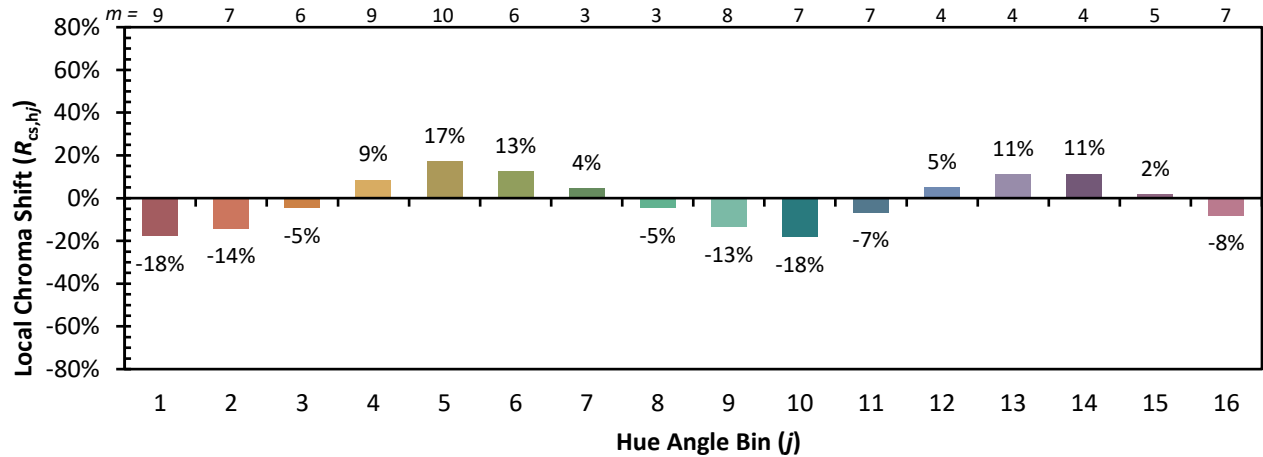


Individual Sample Fidelity Index ($R_{f,i}$)

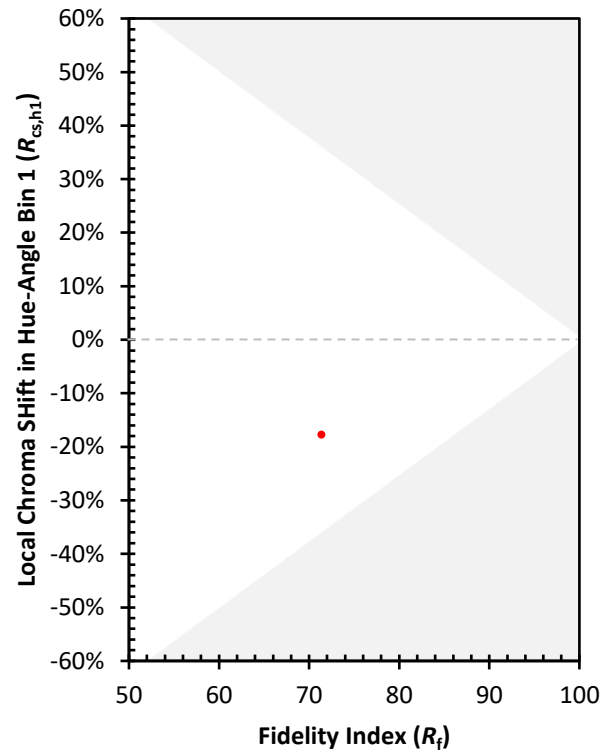
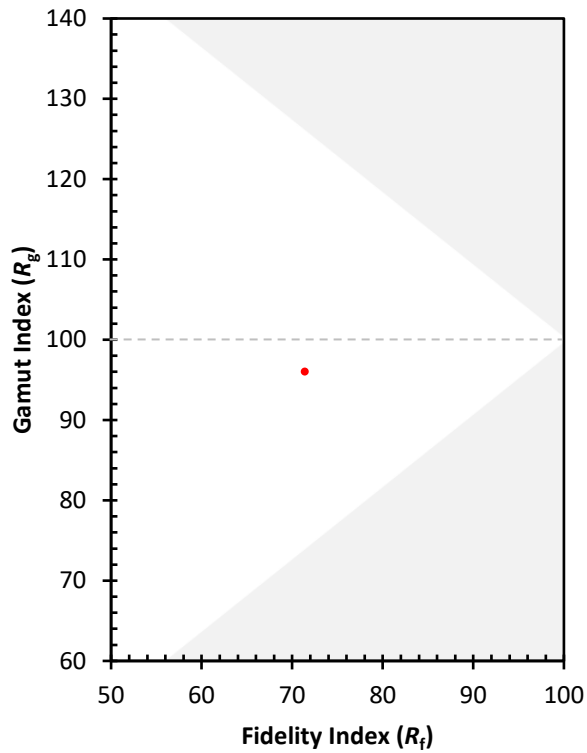
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 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)