

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: P1048825

Luminaire Tested: **GALN-SA4A-950-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048825
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA4A-950-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
90CRI 5000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11683.3 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 107.4
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

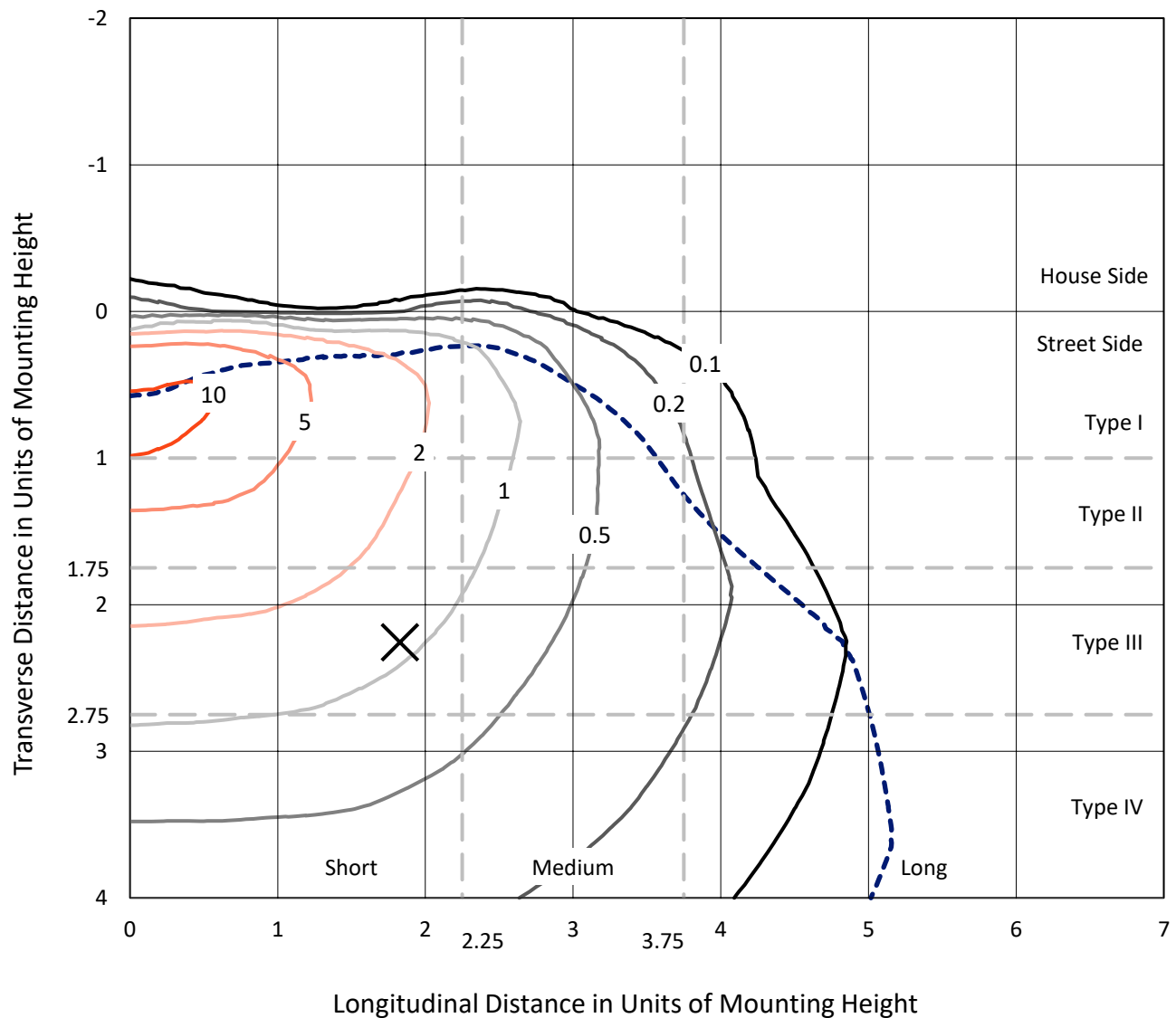


REPORT NUMBER: P1048825

CATALOG NUMBER: GALN-SA4A-950-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

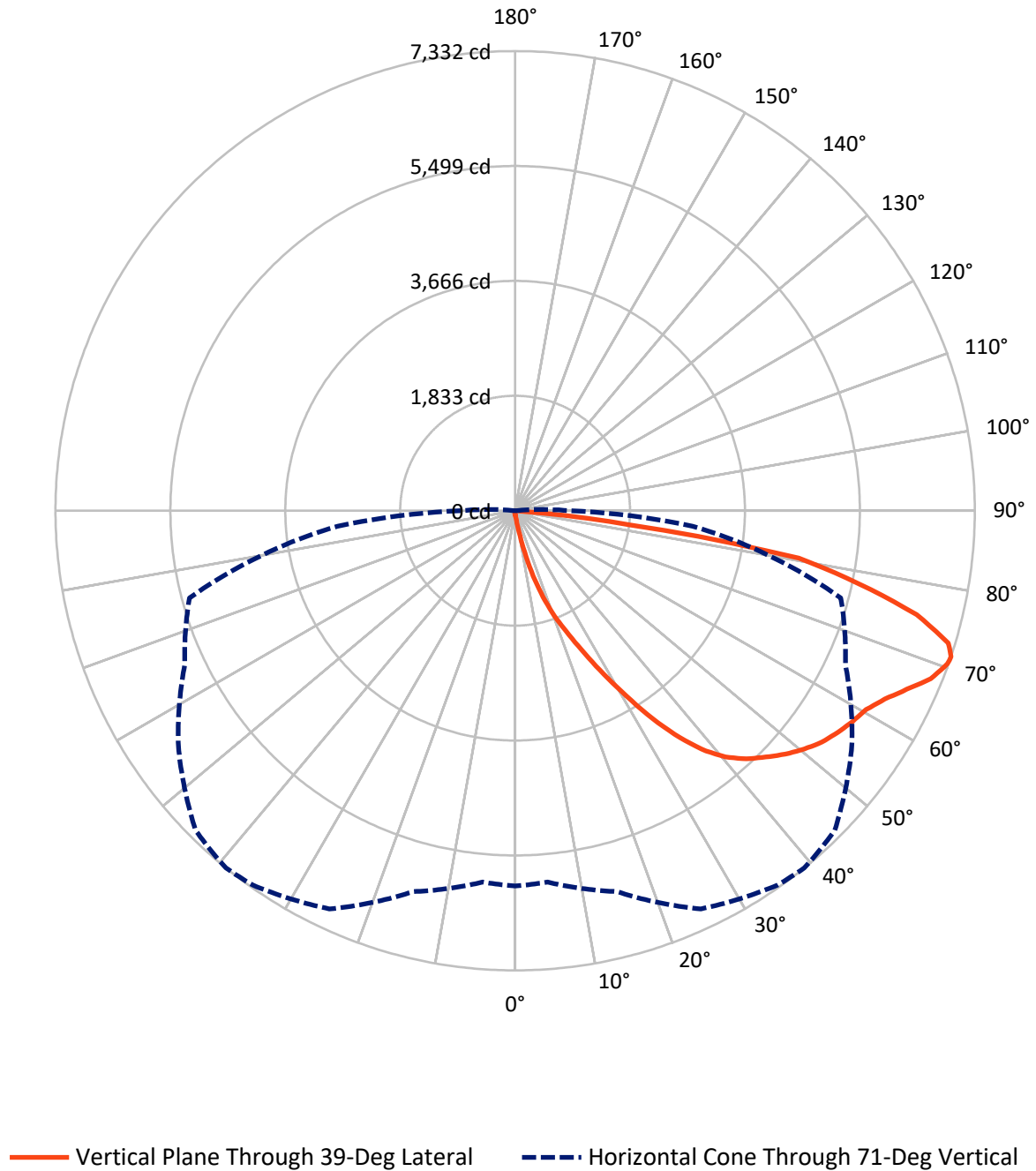


Based on 15 foot mounting height. Maximum calculated value = 12 fc
 Type IV - Short - N/A

REPORT NUMBER: P1048825

CATALOG NUMBER: GALN-SA4A-950-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1048825

CATALOG NUMBER: GALN-SA4A-950-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41.5	0.0	41.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11641.7	0.0	11641.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	11683.3	0.0	11683.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	0.1
10°-20°	124.9	1.1
20°-30°	444.7	3.8
30°-40°	1071.8	9.2
40°-50°	1793.7	15.4
50°-60°	2303.7	19.7
60°-70°	2915.4	25.0
70°-80°	2599.2	22.2
80°-90°	420.2	3.6
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°	11683.3	100.0
0°-180°	11683.3	100.0



REPORT NUMBER: P1048825

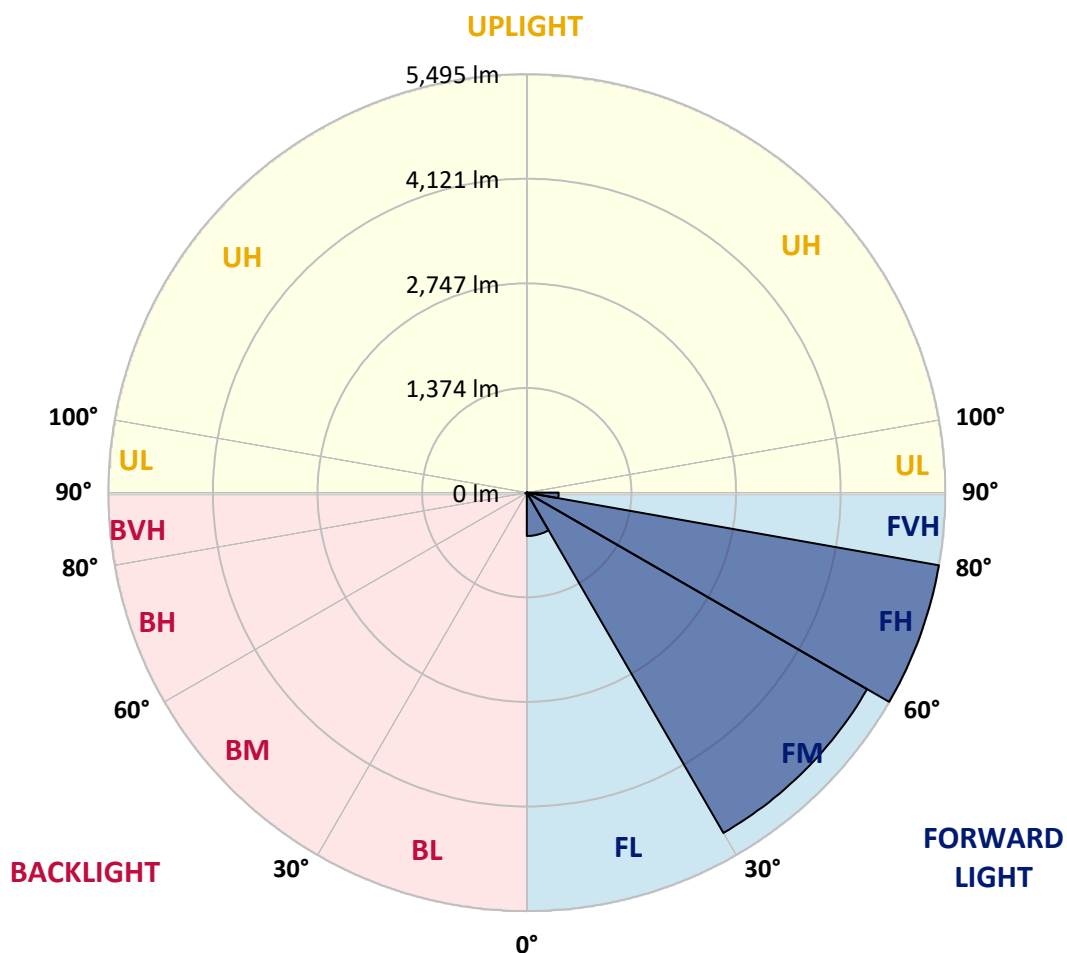
CATALOG NUMBER: GALN-SA4A-950-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	569.3	4.9			
FM	(30°-60°)	5159.6	44.2			
FH	(60°-80°)	5494.7	47.0			G3/7500
FVH	(80°-90°)	418.2	3.6			G3/500
BL	(0°-30°)	10.0	0.1	B0/110		
BM	(30°-60°)	9.6	0.1	B0/220		
BH	(60°-80°)	20.0	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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 IV Short





REPORT NUMBER: P1048825

CATALOG NUMBER: GALN-SA4A-950-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
2.5°	73.6	73.6	73.6	71.2	71.2	70.4	69.6	69.6	68.0	67.2	65.6
5°	111.5	109.1	103.6	100.4	94.1	90.2	86.2	80.7	75.1	71.2	66.4
7.5°	252.3	257.8	239.6	205.6	170.8	155.8	130.5	105.2	87.0	75.1	67.2
10°	643.0	639.8	578.1	510.1	393.9	347.2	272.1	171.6	112.3	82.3	68.0
12.5°	1093.8	1090.6	1017.9	925.3	771.9	674.6	532.3	320.3	161.3	93.3	68.0
15°	1472.6	1460.0	1437.1	1345.3	1165.8	1084.3	896.1	566.3	261.0	112.3	69.6
17.5°	1723.4	1712.3	1690.9	1657.7	1543.8	1447.3	1296.3	889.8	422.3	145.5	72.8
20°	1953.5	1945.6	1928.2	1921.9	1848.3	1796.9	1672.0	1261.5	658.0	197.7	77.5
22.5°	2269.9	2253.3	2260.4	2222.4	2150.4	2088.8	2012.0	1650.6	945.9	284.7	86.2
25°	2657.4	2649.5	2629.7	2602.8	2503.2	2449.4	2331.6	2017.6	1267.8	398.6	95.7
27.5°	3125.6	3116.9	3112.2	3050.5	2935.8	2877.3	2712.8	2364.0	1630.0	558.4	108.4
30°	3665.0	3669.0	3638.1	3559.0	3425.4	3343.1	3173.9	2727.0	2001.0	745.8	121.8
32.5°	4223.4	4215.5	4168.0	4074.7	3955.3	3878.5	3663.4	3124.8	2390.1	993.4	137.6
35°	4825.2	4810.2	4685.3	4578.5	4476.5	4380.0	4183.8	3586.7	2779.2	1271.0	159.0
37.5°	5432.7	5362.3	5111.5	4976.3	4905.9	4826.8	4644.1	4079.4	3165.9	1581.0	185.1
40°	5891.4	5836.8	5539.4	5290.3	5234.1	5166.9	5030.9	4504.9	3577.2	1914.0	216.7
42.5°	6145.2	6115.2	5847.9	5601.9	5469.8	5410.5	5294.2	4876.7	3983.7	2281.7	262.6
45°	6253.6	6206.9	6028.2	5913.5	5703.1	5605.1	5466.7	5157.4	4408.4	2699.3	326.6
47.5°	6220.4	6193.5	6065.4	6107.3	5954.6	5802.0	5598.7	5372.5	4771.5	3178.6	414.4
50°	6011.6	5988.7	5949.1	6176.1	6157.1	5976.8	5769.6	5542.6	5068.1	3672.9	550.5
52.5°	5614.6	5605.1	5706.3	6122.3	6271.8	6131.0	5934.1	5692.9	5344.9	4189.4	745.0
55°	5102.8	5141.6	5431.1	6038.5	6330.3	6244.9	6079.6	5833.6	5567.1	4651.2	1032.1
57.5°	4892.5	4902.8	5264.2	5979.2	6356.4	6345.3	6221.2	5968.1	5771.2	5020.6	1470.3
60°	5138.4	5122.6	5313.2	6024.2	6408.6	6435.5	6346.9	6093.0	5948.3	5337.7	2054.0
62.5°	5582.9	5574.2	5635.1	6216.4	6561.3	6615.8	6521.7	6183.2	6104.9	5546.5	2719.9
65°	5980.0	5961.8	6074.9	6557.3	6829.4	6868.1	6785.9	6337.4	6173.7	5698.4	3345.5
67.5°	6151.6	6147.6	6329.5	6881.6	7110.9	7152.8	7080.9	6550.2	6157.9	5746.6	3621.5
70°	6073.3	6058.2	6349.3	7019.2	7269.9	7317.4	7247.8	6629.3	5986.3	5594.0	3212.6
71°	5987.1	5946.7	6290.0	7009.7	7292.0	7332.4	7210.6	6557.3	5813.9	5377.3	2841.7
72.5°	5719.7	5726.9	6127.1	6910.8	7239.1	7227.2	7000.2	6299.5	5605.9	4885.4	2282.5
75°	5061.7	5103.6	5599.5	6495.6	6766.1	6615.0	6267.8	5806.7	5188.3	3502.9	1585.0
77.5°	4136.4	4198.9	4743.8	5696.8	5620.1	5605.1	5590.8	5116.3	4430.6	1881.5	1102.5
80°	1974.9	2110.1	2861.5	4066.8	4417.9	4588.0	4481.2	4122.9	3426.2	896.1	658.8
82.5°	128.9	127.3	180.3	341.7	1440.2	1861.8	2957.9	2946.9	2388.5	436.6	268.9
85°	60.9	62.5	68.8	78.3	91.0	99.7	137.6	806.7	1142.8	208.0	58.5
87.5°	35.6	36.4	42.7	54.6	71.2	79.1	94.1	121.0	148.7	114.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1048825

CATALOG NUMBER: GALN-SA4A-950-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
2.5°	64.9	64.1	61.7	59.3	56.9	55.4	54.6	55.4	55.4	56.2	56.2
5°	64.9	62.5	58.5	53.8	50.6	47.5	45.9	45.1	45.9	45.9	45.9
7.5°	64.1	60.1	54.6	49.0	45.1	41.1	39.5	38.8	38.8	39.5	39.5
10°	62.5	58.5	51.4	45.1	40.3	35.6	33.2	30.8	30.8	30.8	31.6
12.5°	61.7	56.2	47.5	41.1	34.8	29.3	24.5	22.1	22.9	22.9	22.9
15°	60.1	53.8	45.1	37.2	29.3	22.1	18.2	15.8	16.6	17.4	16.6
17.5°	60.1	53.0	41.9	32.4	22.9	16.6	13.4	11.9	11.9	12.7	12.7
20°	60.1	51.4	39.5	27.7	17.4	12.7	9.5	8.7	8.7	10.3	11.1
22.5°	61.7	51.4	36.4	22.9	14.2	9.5	7.1	6.3	7.1	8.7	9.5
25°	64.1	50.6	33.2	20.6	11.9	7.1	5.5	4.0	4.7	6.3	7.1
27.5°	66.4	49.8	30.1	18.2	9.5	5.5	4.0	3.2	2.4	3.2	3.2
30°	68.8	49.8	26.9	15.0	7.9	4.0	2.4	1.6	0.8	0.0	0.0
32.5°	70.4	48.2	24.5	11.9	6.3	3.2	1.6	0.8	0.0	0.0	0.0
35°	72.0	46.7	21.4	9.5	4.7	2.4	0.8	0.0	0.0	0.0	0.0
37.5°	73.6	44.3	18.2	7.9	4.0	1.6	0.0	0.0	0.0	0.0	0.0
40°	75.1	41.1	15.0	7.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	76.7	38.8	12.7	5.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
45°	80.7	37.2	10.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.8	35.6	9.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	98.1	34.0	8.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	112.3	33.2	7.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	137.6	32.4	7.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	181.1	31.6	7.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	277.6	30.1	7.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	495.9	29.3	6.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	864.4	30.1	6.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1239.3	31.6	5.5	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
70°	1060.6	27.7	5.5	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0
71°	864.4	24.5	5.5	3.2	1.6	0.8	0.8	0.0	0.0	0.0	0.0
72.5°	556.0	19.0	4.7	3.2	1.6	1.6	0.8	0.0	0.0	0.0	0.0
75°	234.9	15.8	4.7	3.2	2.4	1.6	1.6	0.8	0.0	0.0	0.0
77.5°	100.4	11.9	4.7	4.0	3.2	2.4	2.4	1.6	0.8	0.0	0.0
80°	38.0	9.5	5.5	4.7	4.0	4.0	3.2	1.6	0.8	0.0	0.0
82.5°	17.4	7.9	5.5	4.7	4.7	4.0	3.2	2.4	1.6	0.0	0.0
85°	11.1	7.1	5.5	4.7	4.7	4.0	4.0	2.4	1.6	0.0	0.0
87.5°	8.7	7.1	5.5	5.5	4.7	4.7	3.2	2.4	0.8	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	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-17

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-950-U-5WQ

Data in this report applies to families of products including GSS-SB1A-950-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-17
 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-950-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 90 CRI
 5000K CCT 26 LEDS

Spectral Parameters

CCT (K): 4765
 CIE u' : 0.2105
 CIE v' : 0.4941
 Duv: 0.0052
 CIE x: 0.3536
 CIE y: 0.3689
 CIE z: 0.2775
 Peak Wavelength (nm): 449
 Dominant Wavelength (nm): 571
 Purity: 16.80041
 R_f: 90.7
 R_g: 98

CRI (Ra): 90.8
 R1: 89.8
 R2: 93.1
 R3: 95.3
 R4: 90.3
 R5: 89.0
 R6: 89.7
 R7: 94.9
 R8: 84.0
 R9: 54.9
 R10: 83.0
 R11: 89.6
 R12: 68.0
 R13: 90.6
 R14: 97.3
 R15: 86.2



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-17

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: SP1-2407-184-17

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 5000K 7-step quadrangle

REPORT NUMBER: SP1-2407-184-17

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Scotopic Flux vs. Wavelength



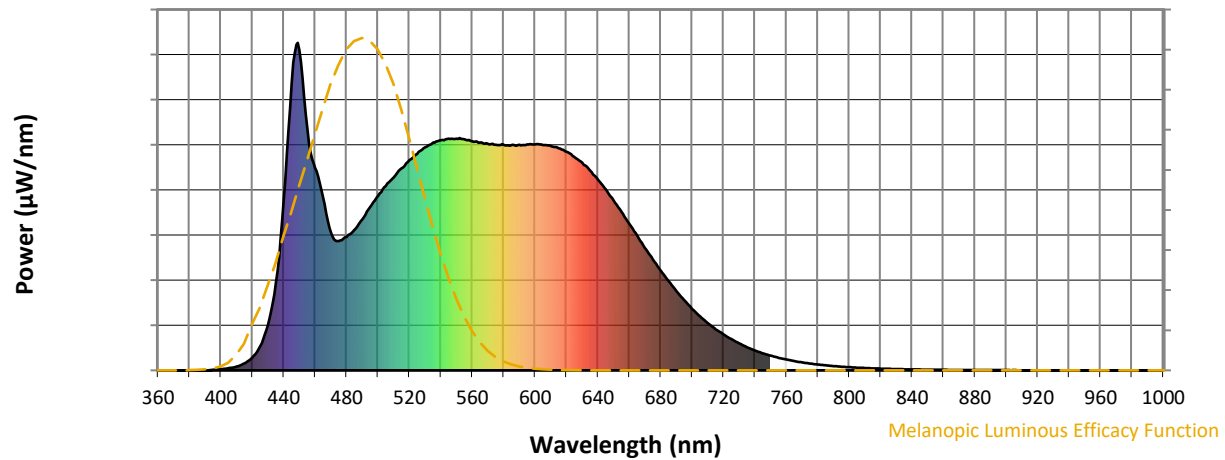
Scotopic Lumens: NR

S/P: 1.99

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 4.22

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	462	NR	620	668	NR	750	45	NR	880	1	NR
365	0	NR	495	498	NR	625	652	NR	755	39	NR	885	1	NR
370	0	NR	500	533	NR	630	634	NR	760	33	NR	890	1	NR
375	0	NR	505	562	NR	635	610	NR	765	28	NR	895	1	NR
380	0	NR	510	590	NR	640	583	NR	770	24	NR	900	1	NR
385	0	NR	515	617	NR	645	552	NR	775	21	NR	905	1	NR
390	0	NR	520	642	NR	650	519	NR	780	18	NR	910	0	NR
395	2	NR	525	661	NR	655	484	NR	785	15	NR	915	0	NR
400	4	NR	530	681	NR	660	448	NR	790	13	NR	920	0	NR
405	7	NR	535	695	NR	665	411	NR	795	11	NR	925	0	NR
410	12	NR	540	702	NR	670	373	NR	800	10	NR	930	0	NR
415	21	NR	545	708	NR	675	338	NR	805	8	NR	935	0	NR
420	39	NR	550	707	NR	680	305	NR	810	7	NR	940	0	NR
425	74	NR	555	706	NR	685	272	NR	815	6	NR	945	0	NR
430	139	NR	560	700	NR	690	243	NR	820	5	NR	950	0	NR
435	270	NR	565	696	NR	695	214	NR	825	5	NR	955	0	NR
440	517	NR	570	692	NR	700	188	NR	830	4	NR	960	0	NR
445	877	NR	575	689	NR	705	165	NR	835	3	NR	965	0	NR
450	978	NR	580	688	NR	710	144	NR	840	3	NR	970	0	NR
455	738	NR	585	688	NR	715	125	NR	845	3	NR	975	0	NR
460	618	NR	590	689	NR	720	110	NR	850	2	NR	980	0	NR
465	529	NR	595	690	NR	725	95	NR	855	2	NR	985	0	NR
470	420	NR	600	690	NR	730	82	NR	860	2	NR	990	0	NR
475	395	NR	605	688	NR	735	71	NR	865	1	NR	995	0	NR
480	408	NR	610	685	NR	740	61	NR	870	1	NR	1000	0	NR
485	429	NR	615	678	NR	745	52	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-17

TM-30-18

Summary

$R_f = 90.7$
 $R_g = 98$
 CIE $R_a = 90.8$
 $R_9 = 54.9$

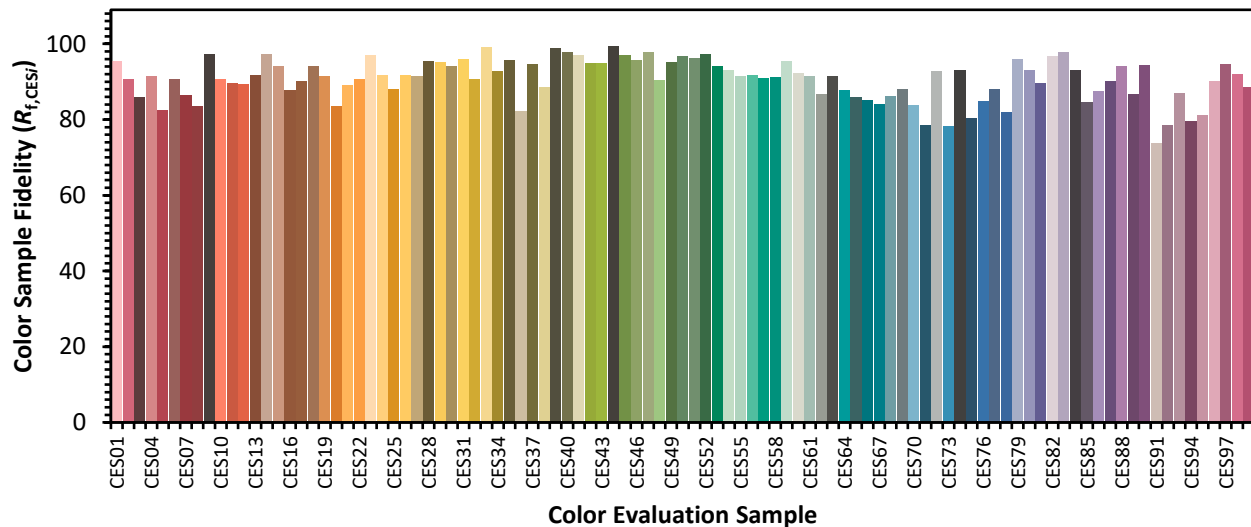


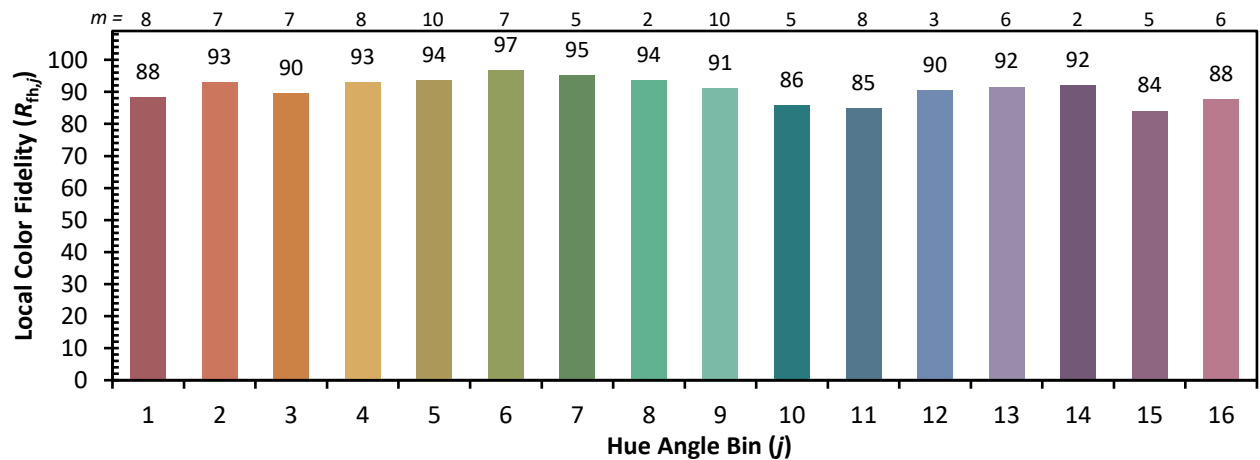
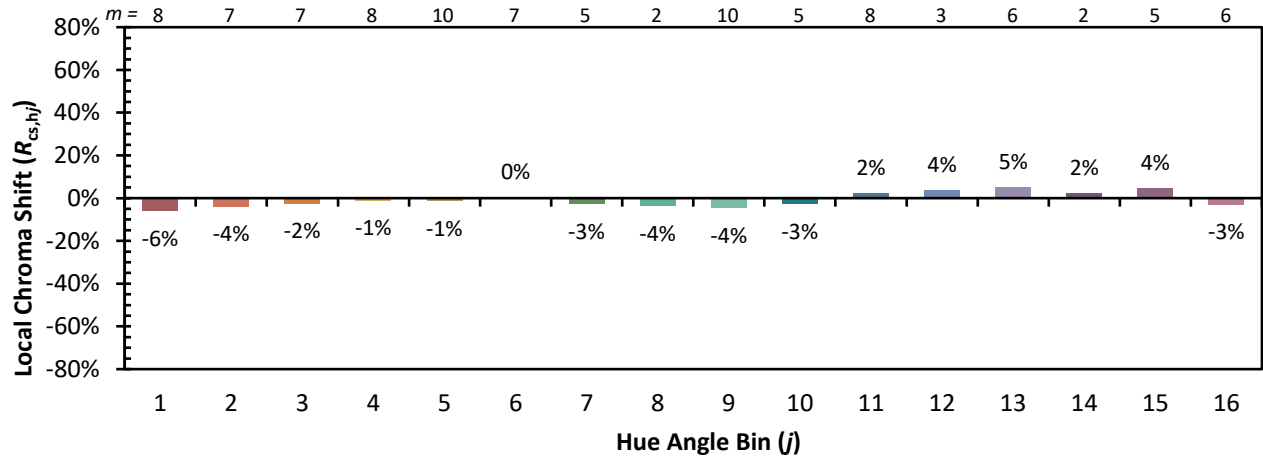
Color Vector Graphics



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

CES01 = 85	CES26 = 92	CES51 = 96	CES76 = 85
CES02 = 60	CES27 = 92	CES52 = 97	CES77 = 88
CES03 = 31	CES28 = 95	CES53 = 94	CES78 = 82
CES04 = 69	CES29 = 95	CES54 = 93	CES79 = 96
CES05 = 48	CES30 = 94	CES55 = 92	CES80 = 93
CES06 = 50	CES31 = 96	CES56 = 92	CES81 = 89
CES07 = 41	CES32 = 91	CES57 = 91	CES82 = 97
CES08 = 40	CES33 = 99	CES58 = 91	CES83 = 98
CES09 = 29	CES34 = 93	CES59 = 95	CES84 = 93
CES10 = 73	CES35 = 96	CES60 = 92	CES85 = 85
CES11 = 56	CES36 = 82	CES61 = 92	CES86 = 88
CES12 = 62	CES37 = 95	CES62 = 87	CES87 = 90
CES13 = 42	CES38 = 89	CES63 = 91	CES88 = 94
CES14 = 74	CES39 = 99	CES64 = 88	CES89 = 87
CES15 = 71	CES40 = 98	CES65 = 86	CES90 = 94
CES16 = 46	CES41 = 97	CES66 = 85	CES91 = 74
CES17 = 48	CES42 = 95	CES67 = 84	CES92 = 78
CES18 = 56	CES43 = 95	CES68 = 86	CES93 = 87
CES19 = 70	CES44 = 100	CES69 = 88	CES94 = 80
CES20 = 65	CES45 = 97	CES70 = 84	CES95 = 81
CES21 = 85	CES46 = 96	CES71 = 79	CES96 = 90
CES22 = 77	CES47 = 98	CES72 = 93	CES97 = 95
CES23 = 91	CES48 = 90	CES73 = 78	CES98 = 92
CES24 = 90	CES49 = 95	CES74 = 93	CES99 = 88
CES25 = 70	CES50 = 97	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)