

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: P1048315

Luminaire Tested: **GALN-SA2C-727-U-T4BC**

Issue Date: 07/10/2025

Test Information

Test Method: LM-79-08
Report Number: P1048315
Test Lab: INNOVATION CENTER(G3)
Issue Date: 07/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2C-727-U-T4BC
Description: GALLEON II AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10459.7 lumens
Efficiency: N/A
Efficacy: 108.7 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): 96.2
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

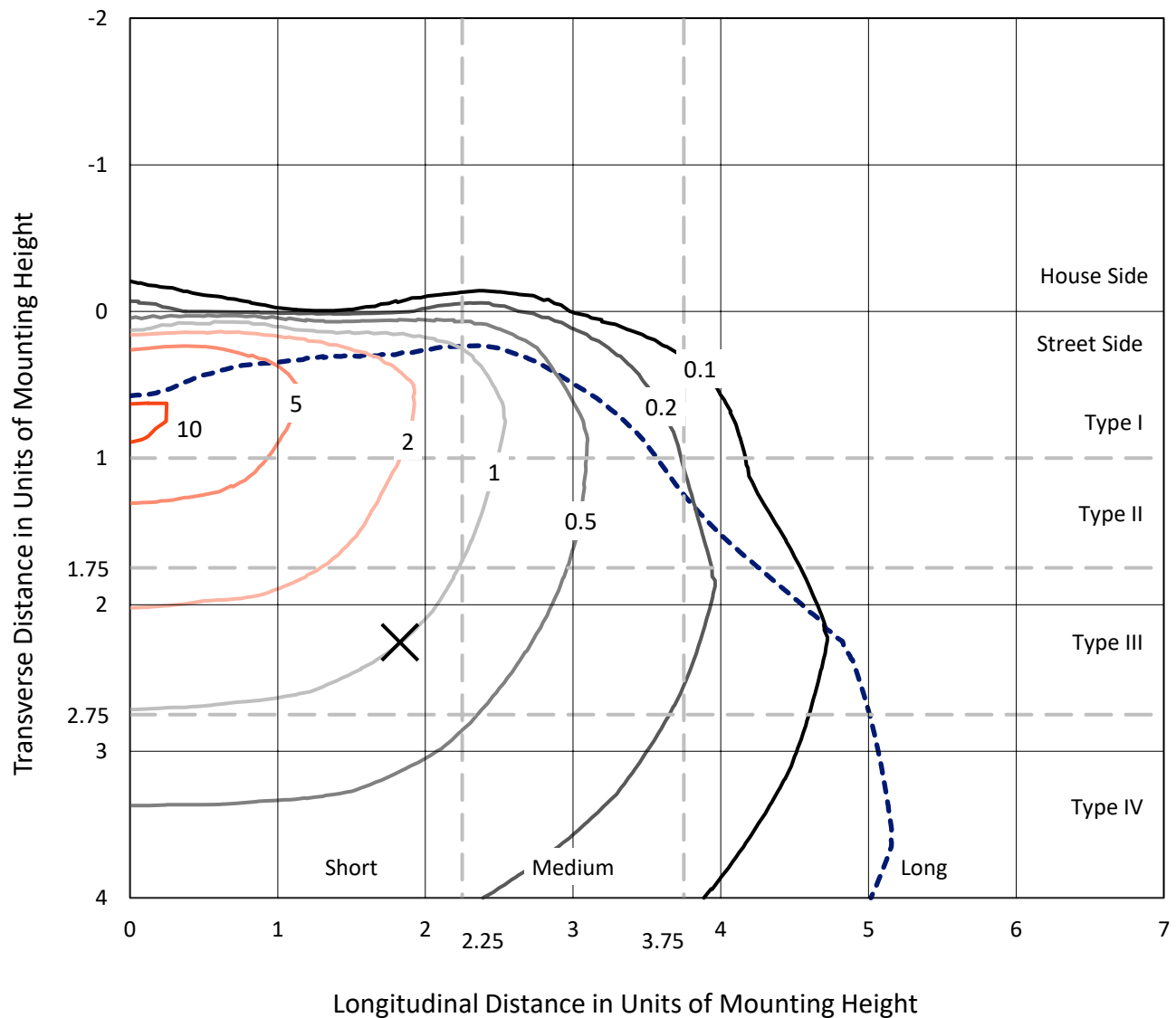


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

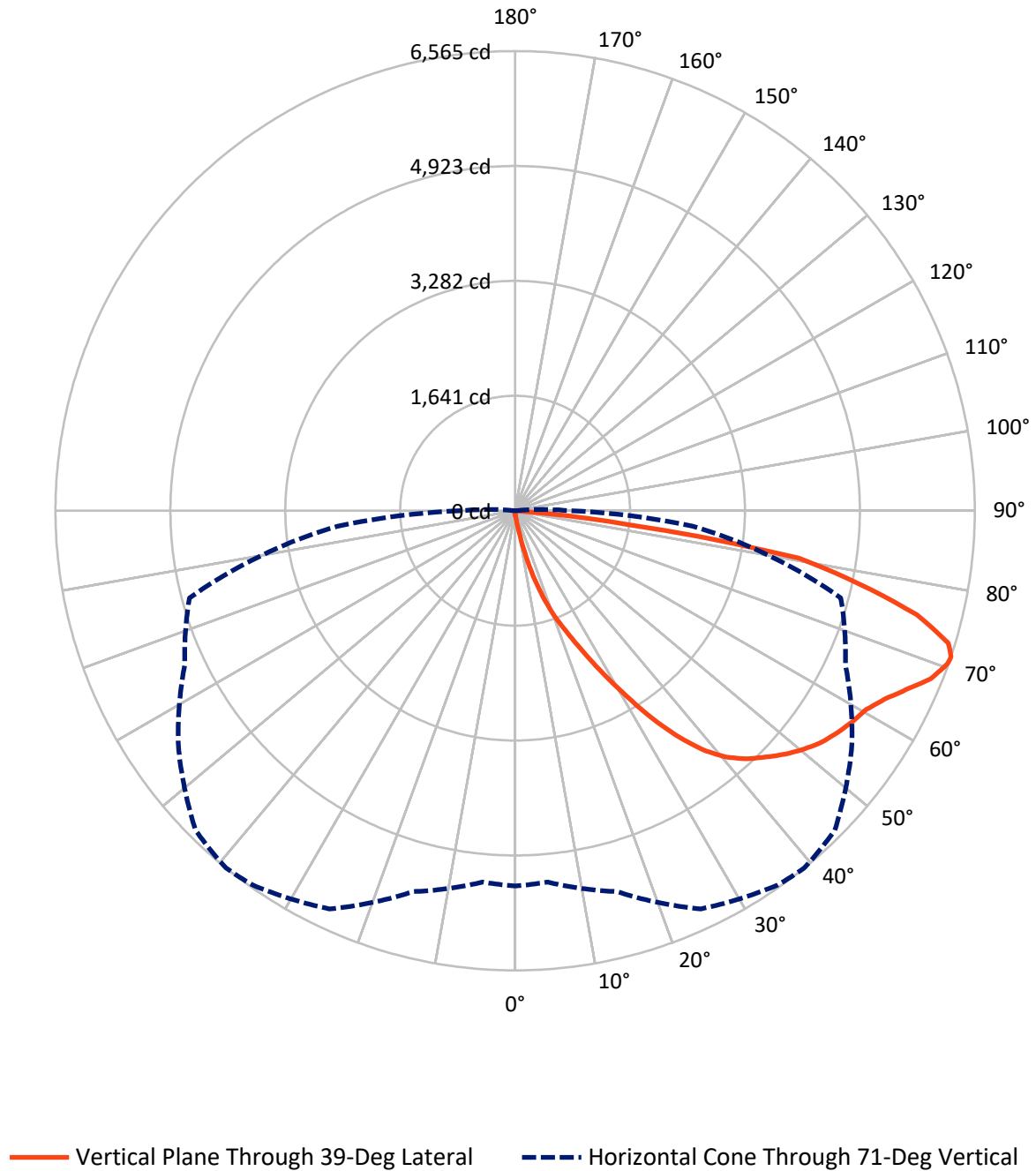


Based on 15 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37.2	0.0	37.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10422.6	0.0	10422.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	10459.7	0.0	10459.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.7	0.1
10°-20°	111.8	1.1
20°-30°	398.1	3.8
30°-40°	959.5	9.2
40°-50°	1605.8	15.4
50°-60°	2062.5	19.7
60°-70°	2610.1	25.0
70°-80°	2327.0	22.2
80°-90°	376.1	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°	10459.7	100.0
0°-180°	10459.7	100.0



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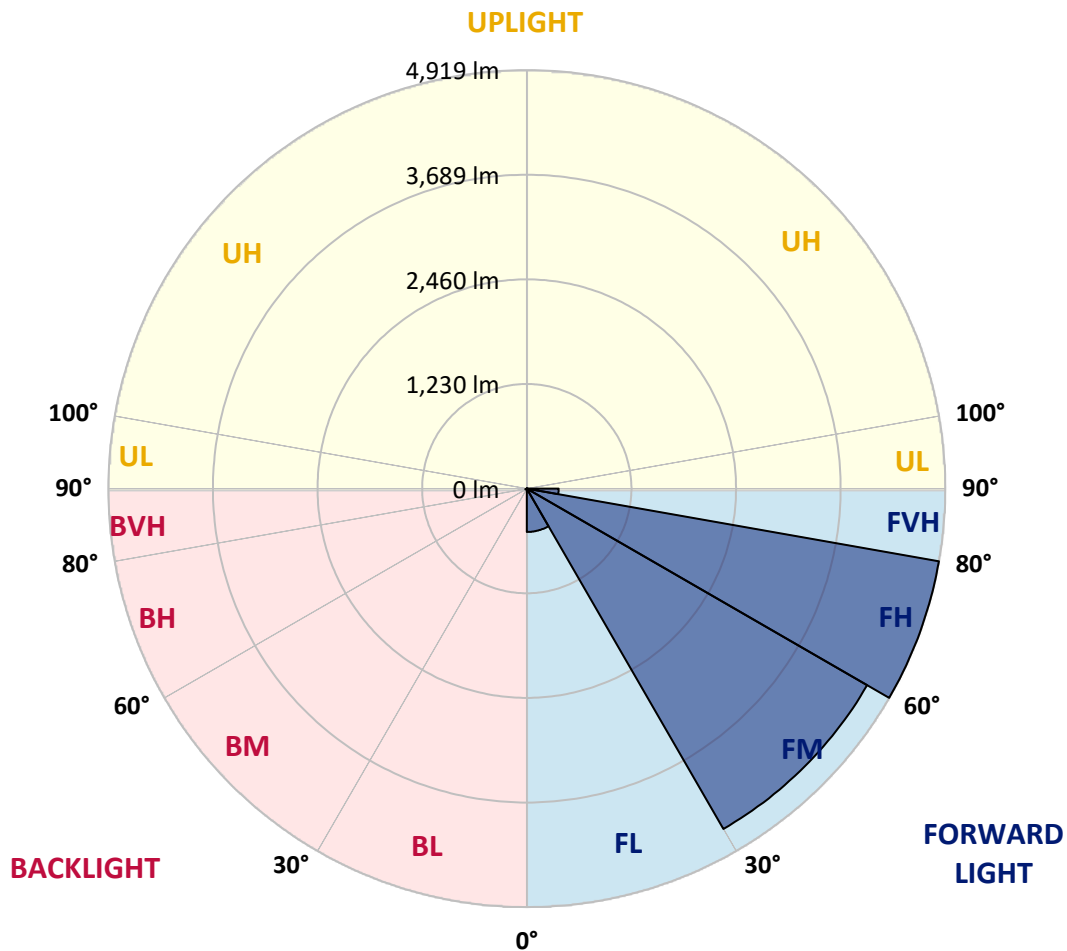
CATALOG NUMBER: GALN-SA2C-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	509.7	4.9			
FM	(30°-60°)	4619.2	44.2			
FH	(60°-80°)	4919.2	47.0			G2/5000
FVH	(80°-90°)	374.4	3.6			G3/500
BL	(0°-30°)	9.0	0.1	B0/110		
BM	(30°-60°)	8.6	0.1	B0/220		
BH	(60°-80°)	17.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.7	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-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2.5°	65.9	65.9	65.9	63.7	63.7	63.0	62.3	62.3	60.9	60.2	58.8
5°	99.8	97.7	92.8	89.9	84.3	80.7	77.2	72.2	67.3	63.7	59.5
7.5°	225.9	230.8	214.5	184.1	152.9	139.5	116.8	94.2	77.9	67.3	60.2
10°	575.7	572.8	517.6	456.7	352.6	310.8	243.6	153.7	100.5	73.6	60.9
12.5°	979.3	976.4	911.3	828.4	691.1	604.0	476.5	286.8	144.4	83.6	60.9
15°	1318.4	1307.1	1286.6	1204.4	1043.7	970.8	802.2	507.0	233.7	100.5	62.3
17.5°	1542.9	1533.0	1513.9	1484.1	1382.2	1295.8	1160.5	796.6	378.1	130.3	65.1
20°	1748.9	1741.8	1726.3	1720.6	1654.8	1608.7	1496.9	1129.4	589.1	177.0	69.4
22.5°	2032.2	2017.3	2023.7	1989.7	1925.2	1870.0	1801.3	1477.7	846.9	254.9	77.2
25°	2379.1	2372.0	2354.3	2330.3	2241.0	2192.9	2087.4	1806.3	1135.0	356.9	85.7
27.5°	2798.3	2790.5	2786.3	2731.0	2628.4	2576.0	2428.7	2116.4	1459.3	499.9	97.0
30°	3281.2	3284.7	3257.1	3186.3	3066.6	2993.0	2841.5	2441.4	1791.4	667.7	109.0
32.5°	3781.1	3774.0	3731.5	3648.0	3541.1	3472.4	3279.8	2797.6	2139.8	889.3	123.2
35°	4319.9	4306.5	4194.6	4099.0	4007.7	3921.3	3745.7	3211.1	2488.2	1137.9	142.3
37.5°	4863.7	4800.7	4576.2	4455.2	4392.2	4321.3	4157.8	3652.2	2834.4	1415.4	165.7
40°	5274.4	5225.5	4959.3	4736.3	4686.0	4625.8	4504.0	4033.2	3202.6	1713.5	194.0
42.5°	5501.7	5474.8	5235.5	5015.3	4897.0	4843.9	4739.8	4366.0	3566.5	2042.8	235.1
45°	5598.7	5556.9	5396.9	5294.2	5105.9	5018.1	4894.2	4617.3	3946.8	2416.6	292.4
47.5°	5569.0	5544.9	5430.2	5467.7	5331.0	5194.4	5012.4	4809.9	4271.8	2845.7	371.0
50°	5382.0	5361.5	5326.1	5529.3	5512.3	5350.9	5165.4	4962.1	4537.3	3288.3	492.8
52.5°	5026.6	5018.1	5108.7	5481.2	5615.0	5488.9	5312.6	5096.7	4785.1	3750.6	667.0
55°	4568.5	4603.2	4862.3	5406.1	5667.4	5590.9	5442.9	5222.7	4984.1	4164.2	924.0
57.5°	4380.1	4389.3	4712.9	5353.0	5690.7	5680.8	5569.7	5343.1	5166.8	4494.8	1316.3
60°	4600.3	4586.2	4756.8	5393.4	5737.5	5761.6	5682.3	5455.0	5325.4	4778.8	1838.9
62.5°	4998.3	4990.5	5045.0	5565.4	5874.1	5923.0	5838.7	5535.7	5465.6	4965.7	2435.0
65°	5353.7	5337.4	5438.7	5870.6	6114.2	6148.9	6075.2	5673.8	5527.2	5101.6	2995.1
67.5°	5507.4	5503.8	5666.7	6160.9	6366.2	6403.8	6339.3	5864.2	5513.0	5144.8	3242.2
70°	5437.3	5423.8	5684.4	6284.1	6508.6	6551.1	6488.7	5935.0	5359.4	5008.2	2876.2
71°	5360.1	5324.0	5631.3	6275.6	6528.4	6564.5	6455.5	5870.6	5205.0	4814.2	2544.1
72.5°	5120.8	5127.1	5485.4	6187.1	6481.0	6470.3	6267.1	5639.8	5018.8	4373.7	2043.5
75°	4531.6	4569.2	5013.1	5815.4	6057.5	5922.3	5611.4	5198.6	4644.9	3136.0	1419.0
77.5°	3703.2	3759.1	4247.0	5100.2	5031.5	5018.1	5005.3	4580.5	3966.6	1684.5	987.0
80°	1768.0	1889.1	2561.8	3640.9	3955.3	4107.5	4011.9	3691.2	3067.4	802.2	589.8
82.5°	115.4	114.0	161.4	305.9	1289.4	1666.8	2648.2	2638.3	2138.4	390.9	240.7
85°	54.5	55.9	61.6	70.1	81.4	89.2	123.2	722.2	1023.2	186.2	52.4
87.5°	31.9	32.6	38.2	48.9	63.7	70.8	84.3	108.3	133.1	102.7	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GALN-SA2C-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
2.5°	58.1	57.4	55.2	53.1	51.0	49.6	48.9	49.6	49.6	50.3	50.3
5°	58.1	55.9	52.4	48.1	45.3	42.5	41.1	40.4	41.1	41.1	41.1
7.5°	57.4	53.8	48.9	43.9	40.4	36.8	35.4	34.7	34.7	35.4	35.4
10°	55.9	52.4	46.0	40.4	36.1	31.9	29.7	27.6	27.6	27.6	28.3
12.5°	55.2	50.3	42.5	36.8	31.2	26.2	22.0	19.8	20.5	20.5	20.5
15°	53.8	48.1	40.4	33.3	26.2	19.8	16.3	14.2	14.9	15.6	14.9
17.5°	53.8	47.4	37.5	29.0	20.5	14.9	12.0	10.6	10.6	11.3	11.3
20°	53.8	46.0	35.4	24.8	15.6	11.3	8.5	7.8	7.8	9.2	9.9
22.5°	55.2	46.0	32.6	20.5	12.7	8.5	6.4	5.7	6.4	7.8	8.5
25°	57.4	45.3	29.7	18.4	10.6	6.4	5.0	3.5	4.2	5.7	6.4
27.5°	59.5	44.6	26.9	16.3	8.5	5.0	3.5	2.8	2.1	2.8	2.8
30°	61.6	44.6	24.1	13.5	7.1	3.5	2.1	1.4	0.7	0.0	0.0
32.5°	63.0	43.2	22.0	10.6	5.7	2.8	1.4	0.7	0.0	0.0	0.0
35°	64.4	41.8	19.1	8.5	4.2	2.1	0.7	0.0	0.0	0.0	0.0
37.5°	65.9	39.7	16.3	7.1	3.5	1.4	0.0	0.0	0.0	0.0	0.0
40°	67.3	36.8	13.5	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	68.7	34.7	11.3	5.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
45°	72.2	33.3	9.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	78.6	31.9	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	87.8	30.4	7.8	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	100.5	29.7	7.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	123.2	29.0	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	162.1	28.3	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	248.5	26.9	6.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	444.0	26.2	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	773.9	26.9	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1109.5	28.3	5.0	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
70°	949.5	24.8	5.0	2.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0
71°	773.9	22.0	5.0	2.8	1.4	0.7	0.7	0.0	0.0	0.0	0.0
72.5°	497.8	17.0	4.2	2.8	1.4	1.4	0.7	0.0	0.0	0.0	0.0
75°	210.3	14.2	4.2	2.8	2.1	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	89.9	10.6	4.2	3.5	2.8	2.1	2.1	1.4	0.7	0.0	0.0
80°	34.0	8.5	5.0	4.2	3.5	3.5	2.8	1.4	0.7	0.0	0.0
82.5°	15.6	7.1	5.0	4.2	4.2	3.5	2.8	2.1	1.4	0.0	0.0
85°	9.9	6.4	5.0	4.2	4.2	3.5	3.5	2.1	1.4	0.0	0.0
87.5°	7.8	6.4	5.0	5.0	4.2	4.2	2.8	2.1	0.7	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

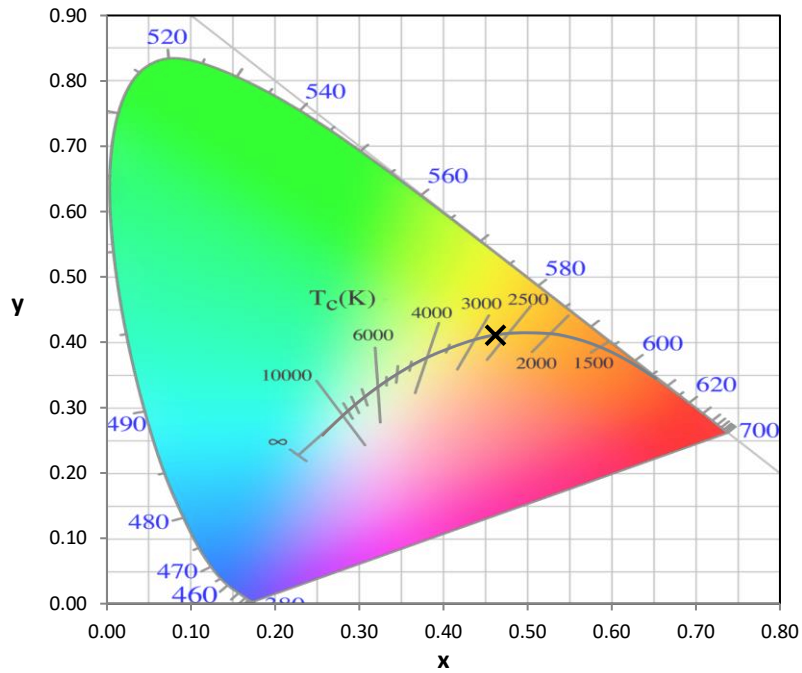
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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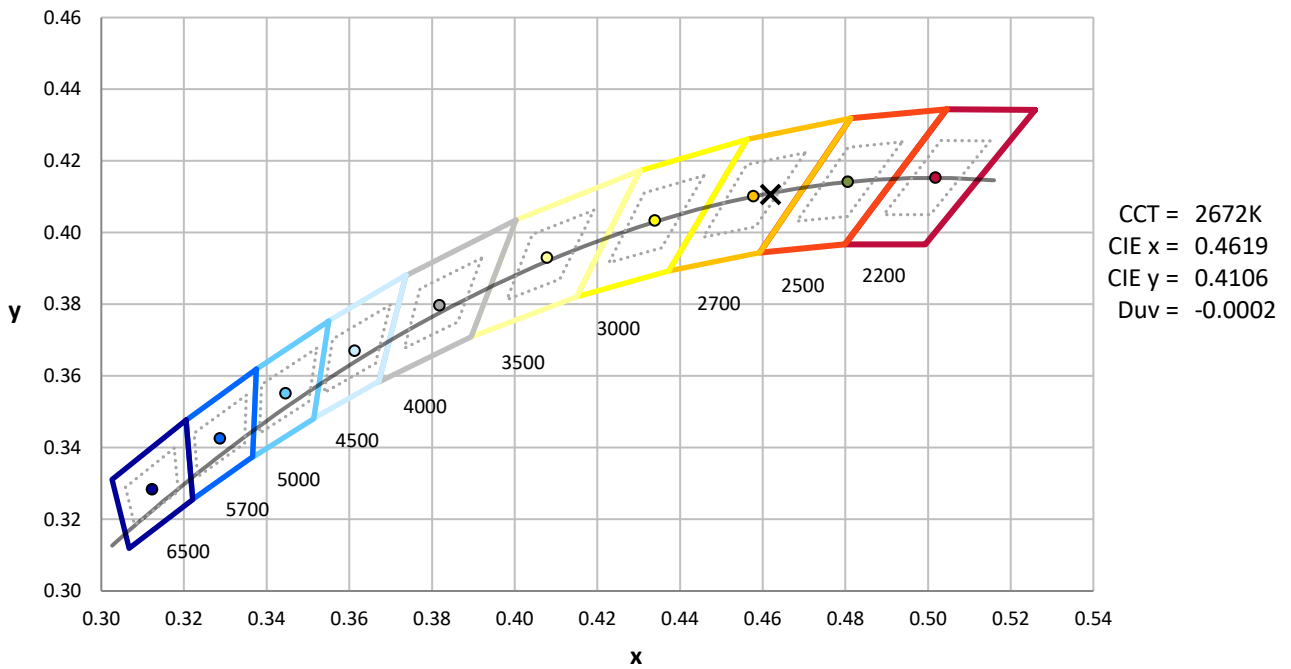
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2700K 4-step quadrangle

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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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

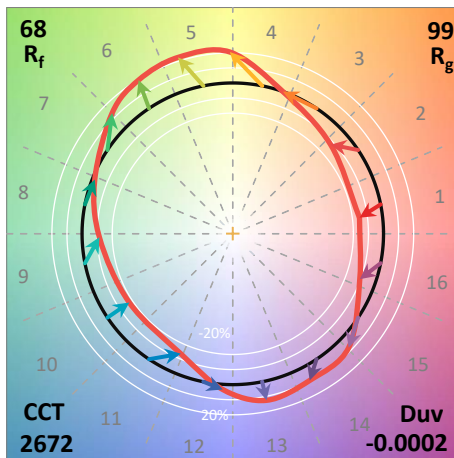
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE\ R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



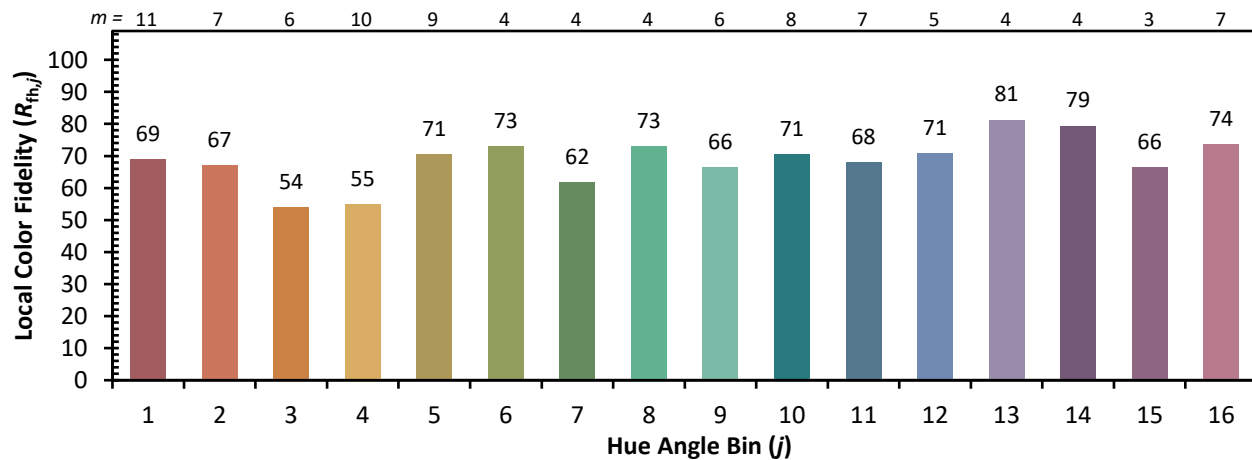
Color Vector Graphics



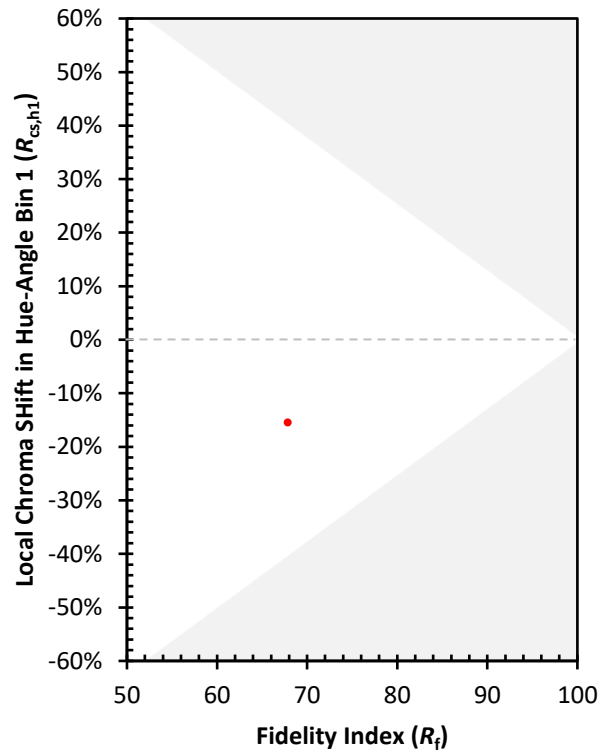
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin


Measure Comparisons



(END OF REPORT)