

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: LUMARK

Report Number: P1067453

Luminaire Tested: **NAV-SA5A-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067453
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14802.6 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 137.4
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

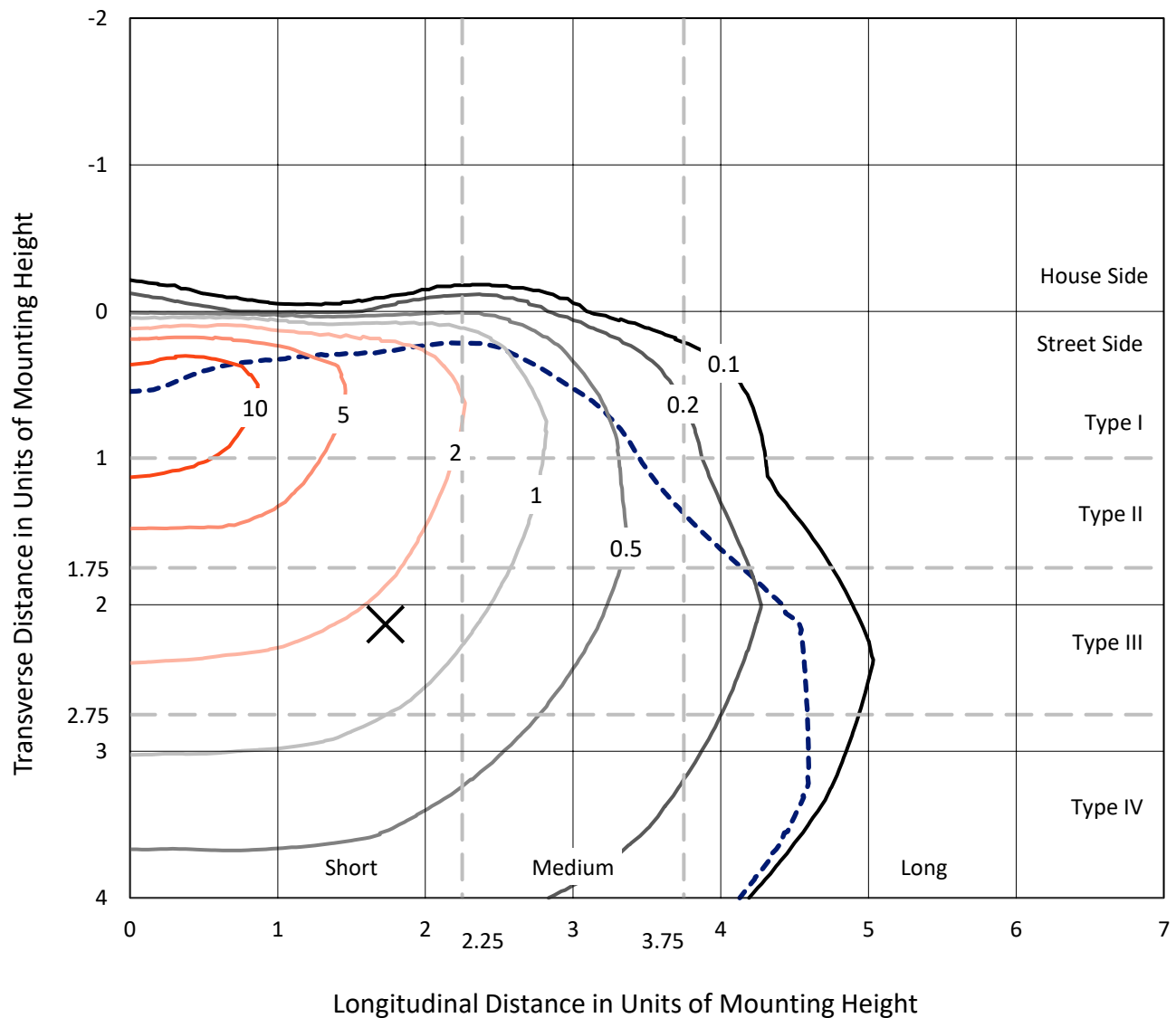


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

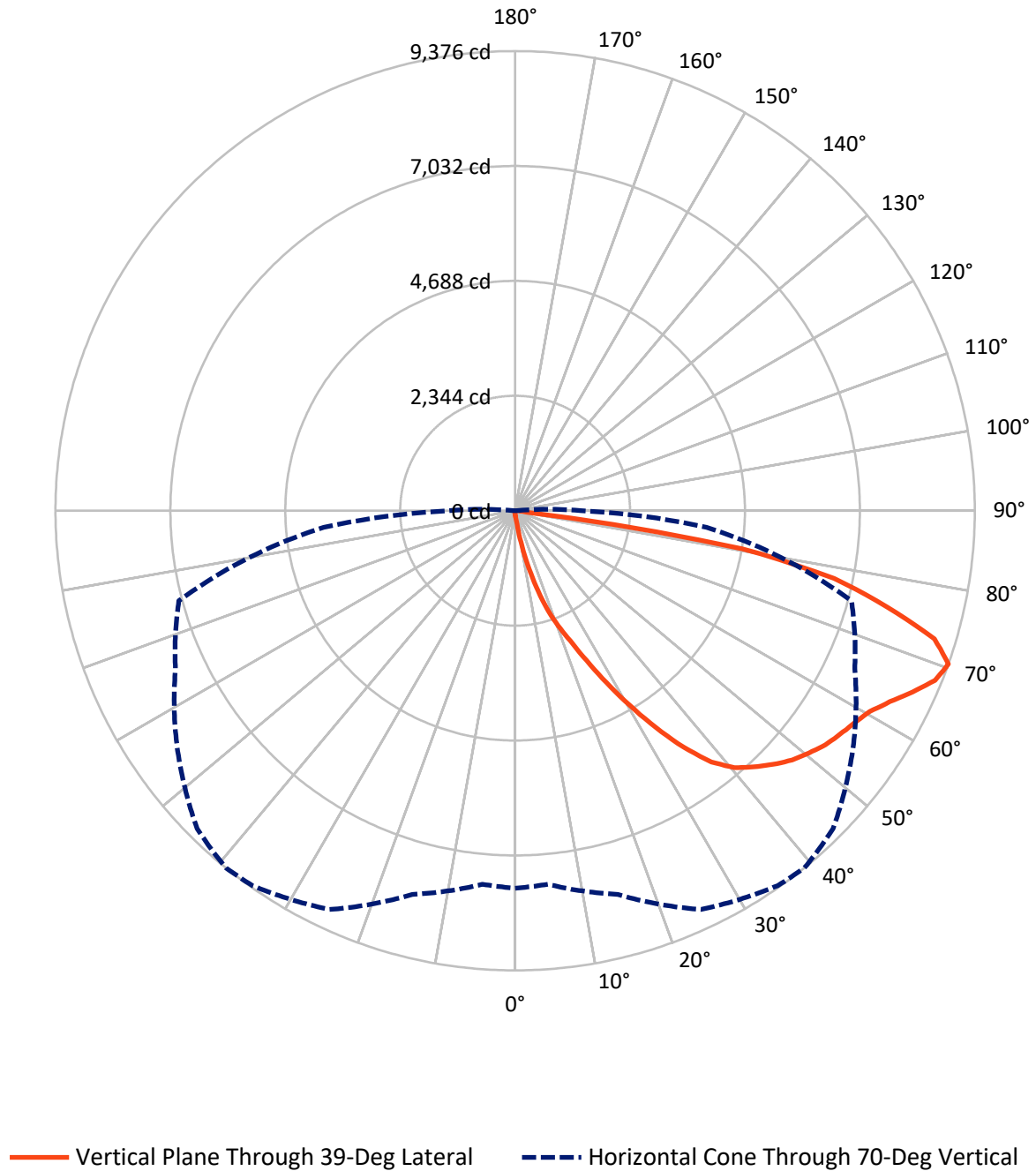


Based on 15 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.6	0.0	45.6
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	14757.0	0.0	14757.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	14802.6	0.0	14802.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.1
10°-20°	182.0	1.2
20°-30°	617.5	4.2
30°-40°	1451.3	9.8
40°-50°	2356.7	15.9
50°-60°	2986.4	20.2
60°-70°	3793.5	25.6
70°-80°	3082.2	20.8
80°-90°	317.4	2.1
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°	14802.6	100.0
0°-180°	14802.6	100.0



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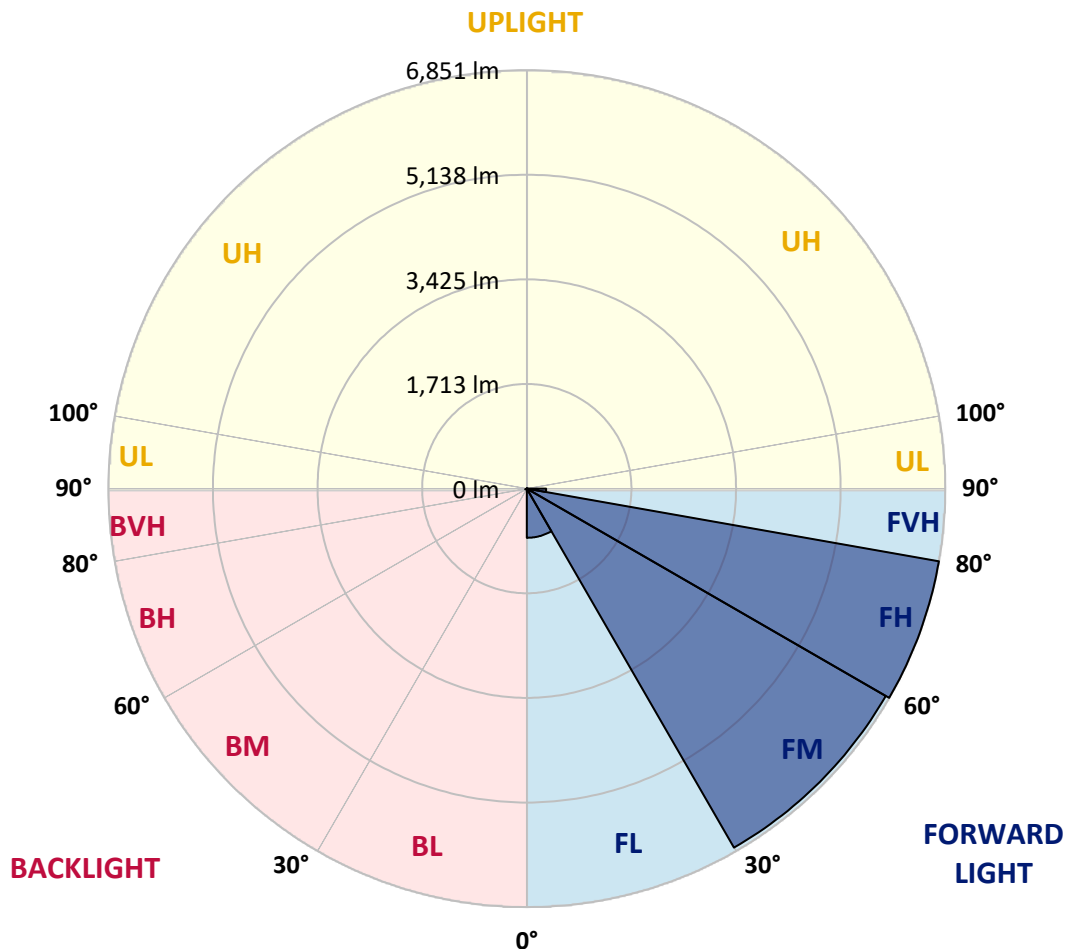
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	805.2	5.4			
FM	(30°-60°)	6785.7	45.8			
FH	(60°-80°)	6850.7	46.3			G3/7500
FVH	(80°-90°)	315.5	2.1			G3/500
BL	(0°-30°)	9.9	0.1	B0/110		
BM	(30°-60°)	8.8	0.1	B0/220		
BH	(60°-80°)	25.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2.5°	104.5	104.5	104.5	100.5	100.5	96.5	96.5	92.4	88.4	88.4	84.4
5°	196.9	200.9	188.9	164.8	148.7	140.7	132.6	112.5	100.5	92.4	84.4
7.5°	538.5	522.5	498.3	418.0	321.5	273.3	233.1	164.8	120.6	96.5	84.4
10°	1133.3	1089.1	1020.8	912.3	723.4	647.0	502.4	301.4	168.8	108.5	84.4
12.5°	1663.8	1671.8	1587.5	1483.0	1253.9	1125.3	928.4	566.7	265.2	128.6	84.4
15°	2065.7	2057.7	2025.5	1941.1	1736.1	1611.6	1434.7	952.5	446.1	160.8	88.4
17.5°	2383.2	2351.0	2339.0	2302.8	2170.2	2101.9	1909.0	1402.6	707.3	217.0	92.4
20°	2700.7	2692.6	2680.6	2640.4	2552.0	2503.8	2355.1	1856.7	1052.9	309.5	100.5
22.5°	3162.8	3118.6	3126.7	3038.3	2965.9	2881.5	2761.0	2339.0	1450.8	442.1	112.5
25°	3705.4	3701.4	3637.1	3596.9	3476.3	3383.9	3223.1	2805.2	1892.9	639.0	124.6
27.5°	4344.4	4300.2	4272.1	4203.7	4079.1	3974.7	3753.6	3267.3	2371.1	860.0	140.7
30°	5011.5	5011.5	4959.3	4854.8	4734.2	4605.6	4380.6	3753.6	2845.4	1141.4	160.8
32.5°	5791.2	5807.3	5678.7	5521.9	5365.2	5276.8	4983.4	4304.2	3299.5	1462.9	184.9
35°	6546.7	6526.6	6313.6	6140.8	6024.3	5927.8	5678.7	4907.0	3813.9	1836.6	217.0
37.5°	7270.1	7217.9	6864.2	6619.1	6566.8	6502.5	6253.4	5509.9	4324.3	2250.6	257.2
40°	7788.6	7708.2	7342.5	7004.9	6928.5	6892.4	6699.4	6056.4	4862.8	2712.7	309.5
42.5°	8013.6	7921.2	7668.0	7394.7	7225.9	7141.5	6972.7	6502.5	5401.4	3227.1	385.8
45°	8057.8	7985.5	7804.6	7740.3	7511.3	7382.7	7153.6	6820.0	5903.7	3737.5	490.3
47.5°	7897.1	7864.9	7756.4	7893.1	7776.5	7599.7	7322.4	7057.1	6349.8	4356.4	635.0
50°	7503.2	7479.1	7531.4	7889.0	7969.4	7768.5	7507.2	7242.0	6735.6	4995.4	839.9
52.5°	6972.7	6968.7	7213.9	7784.5	8053.8	7929.2	7688.1	7426.9	7041.1	5614.4	1129.3
55°	6394.0	6462.3	6892.4	7688.1	8102.0	8045.8	7864.9	7591.6	7314.3	6189.1	1595.5
57.5°	6345.8	6317.7	6731.6	7647.9	8130.2	8162.3	8041.7	7764.4	7547.4	6659.3	2218.4
60°	6828.1	6763.8	6920.5	7732.3	8254.7	8311.0	8218.6	7897.1	7780.5	7029.0	3038.3
62.5°	7386.7	7326.4	7406.8	8057.8	8499.9	8580.3	8463.7	8033.7	7969.4	7286.2	3918.4
65°	7832.8	7784.5	7937.3	8544.1	8841.5	8909.8	8829.4	8286.9	8053.8	7495.2	4633.8
67.5°	7905.1	7844.8	8162.3	8869.6	9187.1	9235.4	9171.1	8532.1	8025.7	7511.3	4798.5
70°	7700.1	7647.9	8102.0	8974.1	9335.8	9376.0	9171.1	8415.5	7643.9	7101.3	3922.4
72.5°	7069.2	7109.4	7696.1	8720.9	9130.9	8946.0	8512.0	7828.7	7149.6	6020.3	2752.9
75°	6088.6	6132.8	6912.4	8025.7	8057.8	7832.8	7599.7	7201.8	6398.0	3966.6	1909.0
77.5°	4328.3	4171.6	5337.1	6627.1	6510.6	6655.2	6675.3	5992.1	5357.1	2065.7	1278.0
80°	426.0	361.7	671.2	1900.9	4199.7	4694.0	4886.9	4617.7	3950.5	924.3	671.2
82.5°	92.4	92.4	100.5	108.5	168.8	253.2	1161.5	2845.4	2552.0	470.2	217.0
85°	52.2	52.2	64.3	76.4	100.5	112.5	132.6	176.8	687.2	168.8	40.2
87.5°	40.2	44.2	52.2	64.3	84.4	92.4	112.5	140.7	172.8	156.7	12.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2.5°	84.4	80.4	76.4	72.3	68.3	68.3	64.3	64.3	64.3	64.3	64.3
5°	80.4	76.4	72.3	64.3	60.3	56.3	52.2	52.2	52.2	52.2	52.2
7.5°	80.4	76.4	68.3	60.3	52.2	48.2	44.2	40.2	40.2	44.2	44.2
10°	80.4	72.3	60.3	52.2	44.2	40.2	36.2	32.2	32.2	32.2	32.2
12.5°	76.4	68.3	56.3	48.2	40.2	32.2	24.1	20.1	20.1	20.1	20.1
15°	72.3	64.3	52.2	40.2	28.1	20.1	16.1	12.1	12.1	12.1	12.1
17.5°	72.3	60.3	48.2	36.2	20.1	12.1	8.0	4.0	4.0	4.0	8.0
20°	72.3	60.3	44.2	28.1	12.1	8.0	8.0	4.0	0.0	4.0	4.0
22.5°	72.3	56.3	36.2	20.1	12.1	8.0	4.0	0.0	0.0	0.0	0.0
25°	76.4	56.3	32.2	16.1	8.0	4.0	0.0	0.0	0.0	0.0	0.0
27.5°	76.4	52.2	28.1	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	80.4	52.2	24.1	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	80.4	48.2	16.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	80.4	44.2	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	80.4	40.2	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	84.4	36.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	88.4	32.2	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	92.4	28.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	104.5	28.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	120.6	28.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	144.7	28.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	188.9	24.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	273.3	24.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	458.2	24.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	803.8	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1358.4	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1772.3	28.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1346.3	24.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	643.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	285.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	124.6	12.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	48.2	8.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.1	8.0	4.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0
85°	12.1	8.0	8.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0
87.5°	8.0	8.0	8.0	8.0	8.0	4.0	4.0	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	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

REPORT NUMBER: SP1-2407-184-3

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 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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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

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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TM-30-18

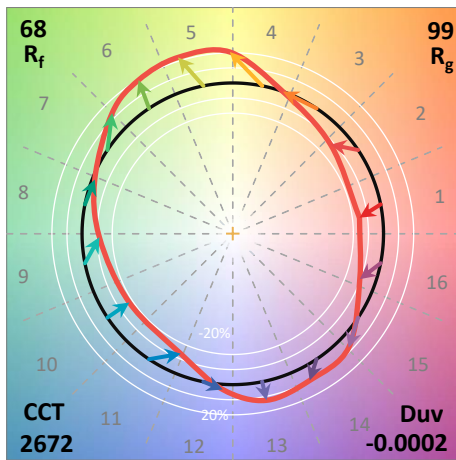
Summary

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

Spectral Power Distribution Comparison



Color Vector Graphics

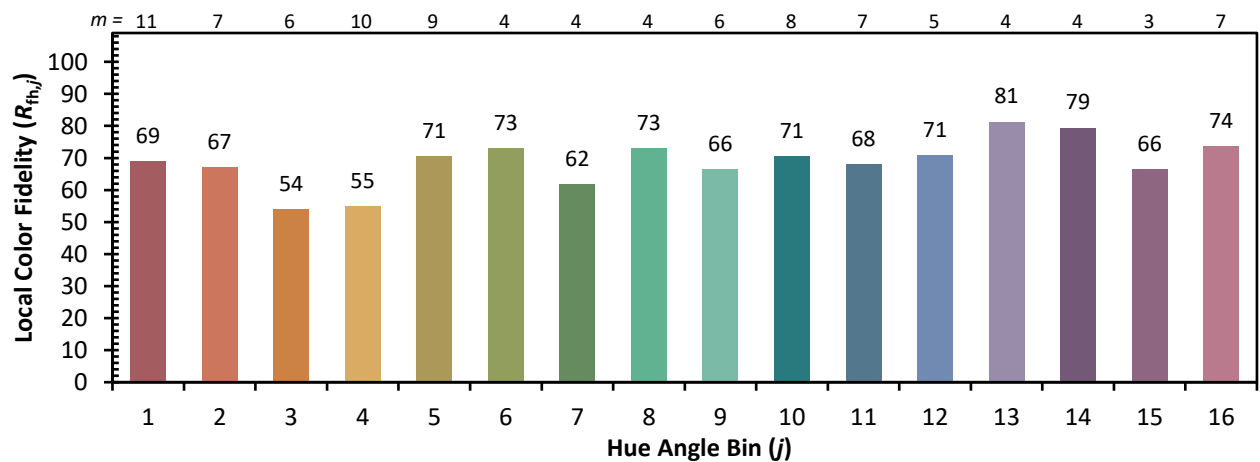


Individual Sample Fidelity Index ($R_{f,i}$)

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)