

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: P1067442

Luminaire Tested: **NAV-SA2B-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067442
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2B-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 7524.4 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 72.8
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

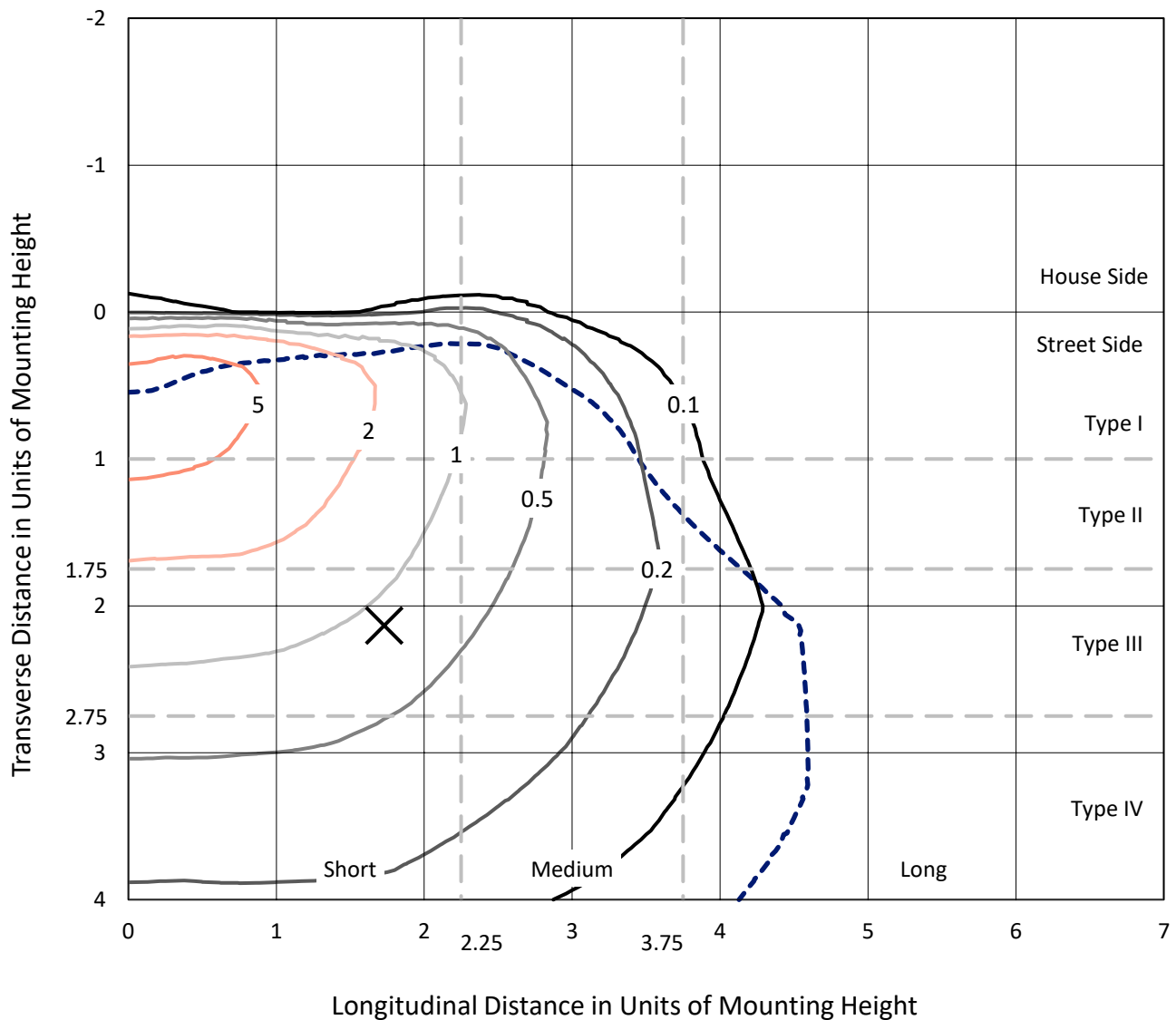


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

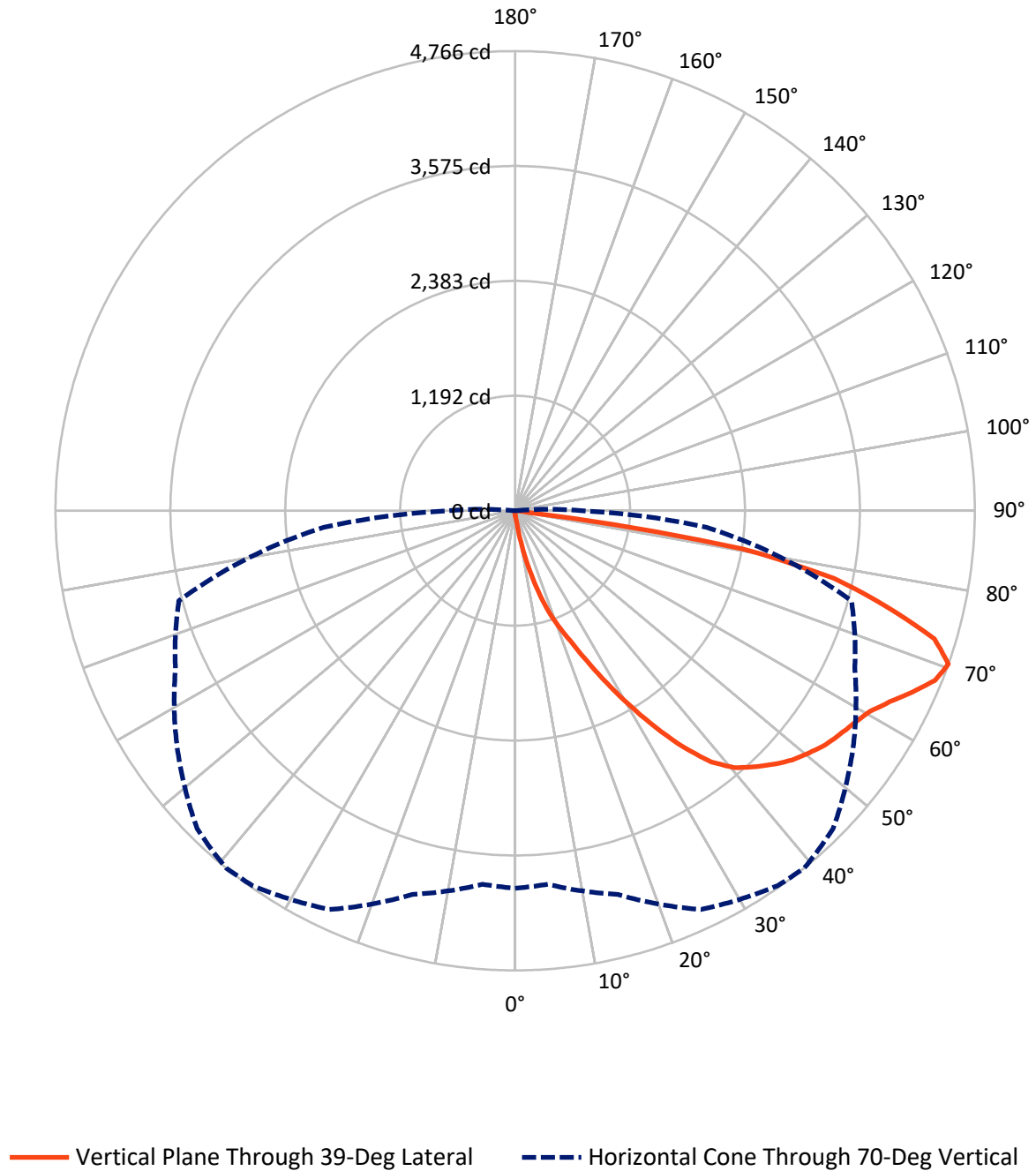


Based on 15 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.2	0.0	23.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	7501.2	0.0	7501.2
	% Fixture	99.7	0.0	99.7
Total	Lumens	7524.4	0.0	7524.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.1
10°-20°	92.5	1.2
20°-30°	313.9	4.2
30°-40°	737.7	9.8
40°-50°	1197.9	15.9
50°-60°	1518.0	20.2
60°-70°	1928.3	25.6
70°-80°	1566.7	20.8
80°-90°	161.3	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°	7524.4	100.0
0°-180°	7524.4	100.0



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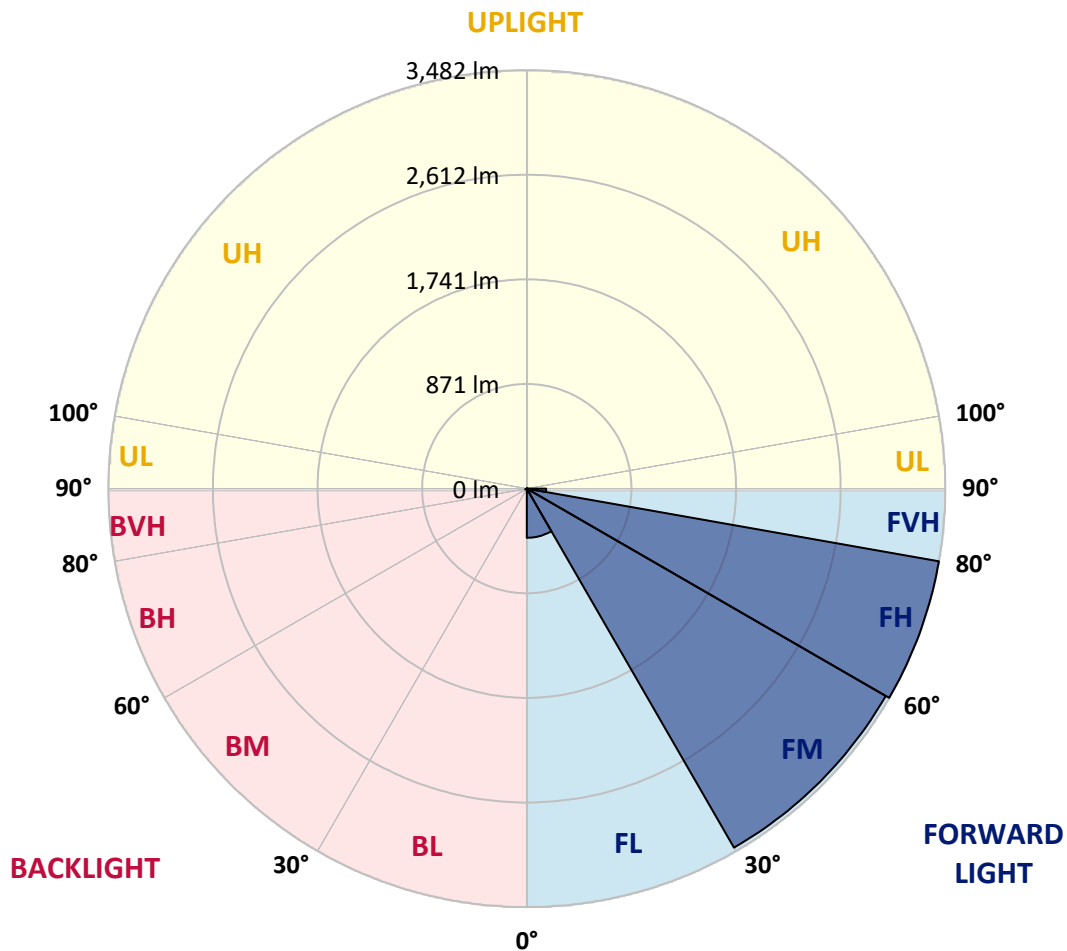
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	409.3	5.4			
FM	(30°-60°)	3449.3	45.8			
FH	(60°-80°)	3482.3	46.3			G2/5000
FVH	(80°-90°)	160.4	2.1			G2/225
BL	(0°-30°)	5.0	0.1	B0/110		
BM	(30°-60°)	4.4	0.1	B0/220		
BH	(60°-80°)	12.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.0	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	53.1	53.1	53.1	51.1	51.1	49.0	49.0	47.0	44.9	44.9	42.9
5°	100.1	102.1	96.0	83.8	75.6	71.5	67.4	57.2	51.1	47.0	42.9
7.5°	273.7	265.6	253.3	212.5	163.4	138.9	118.5	83.8	61.3	49.0	42.9
10°	576.1	553.6	518.9	463.7	367.7	328.9	255.4	153.2	85.8	55.2	42.9
12.5°	845.7	849.8	806.9	753.8	637.4	572.0	471.9	288.0	134.8	65.4	42.9
15°	1050.0	1045.9	1029.6	986.7	882.5	819.2	729.3	484.2	226.8	81.7	44.9
17.5°	1211.4	1195.1	1188.9	1170.6	1103.1	1068.4	970.4	713.0	359.5	110.3	47.0
20°	1372.8	1368.7	1362.6	1342.2	1297.2	1272.7	1197.1	943.8	535.2	157.3	51.1
22.5°	1607.7	1585.3	1589.3	1544.4	1507.6	1464.7	1403.4	1188.9	737.5	224.7	57.2
25°	1883.5	1881.5	1848.8	1828.4	1767.1	1720.1	1638.4	1425.9	962.2	324.8	63.3
27.5°	2208.3	2185.9	2171.6	2136.8	2073.5	2020.4	1908.0	1660.8	1205.3	437.2	71.5
30°	2547.4	2547.4	2520.9	2467.8	2406.5	2341.1	2226.7	1908.0	1446.3	580.2	81.7
32.5°	2943.7	2951.9	2886.5	2806.9	2727.2	2682.3	2533.1	2187.9	1677.2	743.6	94.0
35°	3327.8	3317.6	3209.3	3121.5	3062.2	3013.2	2886.5	2494.3	1938.7	933.6	110.3
37.5°	3695.5	3669.0	3489.2	3364.6	3338.0	3305.3	3178.7	2800.7	2198.1	1144.0	130.7
40°	3959.0	3918.2	3732.3	3560.7	3521.9	3503.5	3405.4	3078.6	2471.8	1378.9	157.3
42.5°	4073.4	4026.5	3897.8	3758.8	3673.0	3630.1	3544.3	3305.3	2745.6	1640.4	196.1
45°	4095.9	4059.1	3967.2	3934.5	3818.1	3752.7	3636.3	3466.7	3000.9	1899.9	249.2
47.5°	4014.2	3997.9	3942.7	4012.2	3952.9	3863.0	3722.1	3587.2	3227.7	2214.5	322.8
50°	3814.0	3801.7	3828.3	4010.1	4051.0	3948.8	3816.0	3681.2	3423.8	2539.3	427.0
52.5°	3544.3	3542.3	3666.9	3957.0	4093.9	4030.5	3908.0	3775.2	3579.1	2853.9	574.0
55°	3250.2	3284.9	3503.5	3908.0	4118.4	4089.8	3997.9	3858.9	3718.0	3146.0	811.0
57.5°	3225.7	3211.4	3421.8	3887.5	4132.7	4149.0	4087.7	3946.8	3836.5	3385.0	1127.7
60°	3470.8	3438.1	3517.8	3930.4	4196.0	4224.6	4177.6	4014.2	3955.0	3572.9	1544.4
62.5°	3754.8	3724.1	3765.0	4095.9	4320.6	4361.5	4302.2	4083.7	4051.0	3703.7	1991.8
65°	3981.5	3957.0	4034.6	4343.1	4494.3	4529.0	4488.1	4212.4	4093.9	3809.9	2355.4
67.5°	4018.3	3987.6	4149.0	4508.6	4670.0	4694.5	4661.8	4337.0	4079.6	3818.1	2439.2
70°	3914.1	3887.5	4118.4	4561.7	4745.5	4766.0	4661.8	4277.7	3885.5	3609.7	1993.8
72.5°	3593.4	3613.8	3912.1	4433.0	4641.4	4547.4	4326.8	3979.5	3634.2	3060.2	1399.4
75°	3094.9	3117.4	3513.7	4079.6	4095.9	3981.5	3863.0	3660.8	3252.2	2016.3	970.4
77.5°	2200.2	2120.5	2712.9	3368.7	3309.4	3383.0	3393.2	3045.9	2723.1	1050.0	649.6
80°	216.5	183.9	341.2	966.3	2134.8	2386.0	2484.1	2347.2	2008.1	469.9	341.2
82.5°	47.0	47.0	51.1	55.2	85.8	128.7	590.4	1446.3	1297.2	239.0	110.3
85°	26.6	26.6	32.7	38.8	51.1	57.2	67.4	89.9	349.3	85.8	20.4
87.5°	20.4	22.5	26.6	32.7	42.9	47.0	57.2	71.5	87.8	79.7	6.1
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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CATALOG NUMBER: NAV-SA2B-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
2.5°	42.9	40.9	38.8	36.8	34.7	34.7	32.7	32.7	32.7	32.7	32.7
5°	40.9	38.8	36.8	32.7	30.6	28.6	26.6	26.6	26.6	26.6	26.6
7.5°	40.9	38.8	34.7	30.6	26.6	24.5	22.5	20.4	20.4	22.5	22.5
10°	40.9	36.8	30.6	26.6	22.5	20.4	18.4	16.3	16.3	16.3	16.3
12.5°	38.8	34.7	28.6	24.5	20.4	16.3	12.3	10.2	10.2	10.2	10.2
15°	36.8	32.7	26.6	20.4	14.3	10.2	8.2	6.1	6.1	6.1	6.1
17.5°	36.8	30.6	24.5	18.4	10.2	6.1	4.1	2.0	2.0	2.0	4.1
20°	36.8	30.6	22.5	14.3	6.1	4.1	4.1	2.0	0.0	2.0	2.0
22.5°	36.8	28.6	18.4	10.2	6.1	4.1	2.0	0.0	0.0	0.0	0.0
25°	38.8	28.6	16.3	8.2	4.1	2.0	0.0	0.0	0.0	0.0	0.0
27.5°	38.8	26.6	14.3	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	40.9	26.6	12.3	4.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	40.9	24.5	8.2	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	40.9	22.5	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	40.9	20.4	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	42.9	18.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	44.9	16.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	47.0	14.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	53.1	14.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	61.3	14.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	73.5	14.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	96.0	12.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	138.9	12.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	232.9	12.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	408.6	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	690.5	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	900.9	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	684.4	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	326.9	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	145.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	63.3	6.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	24.5	4.1	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.2	4.1	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
85°	6.1	4.1	4.1	4.1	2.0	2.0	2.0	0.0	0.0	0.0	0.0
87.5°	4.1	4.1	4.1	4.1	4.1	2.0	2.0	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



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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	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)