

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: P1067564

Luminaire Tested: **NAV-SA2D-827-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067564
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2D-827-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9006 lumens
Efficiency: N/A
Efficacy: 84.2 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): 107
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

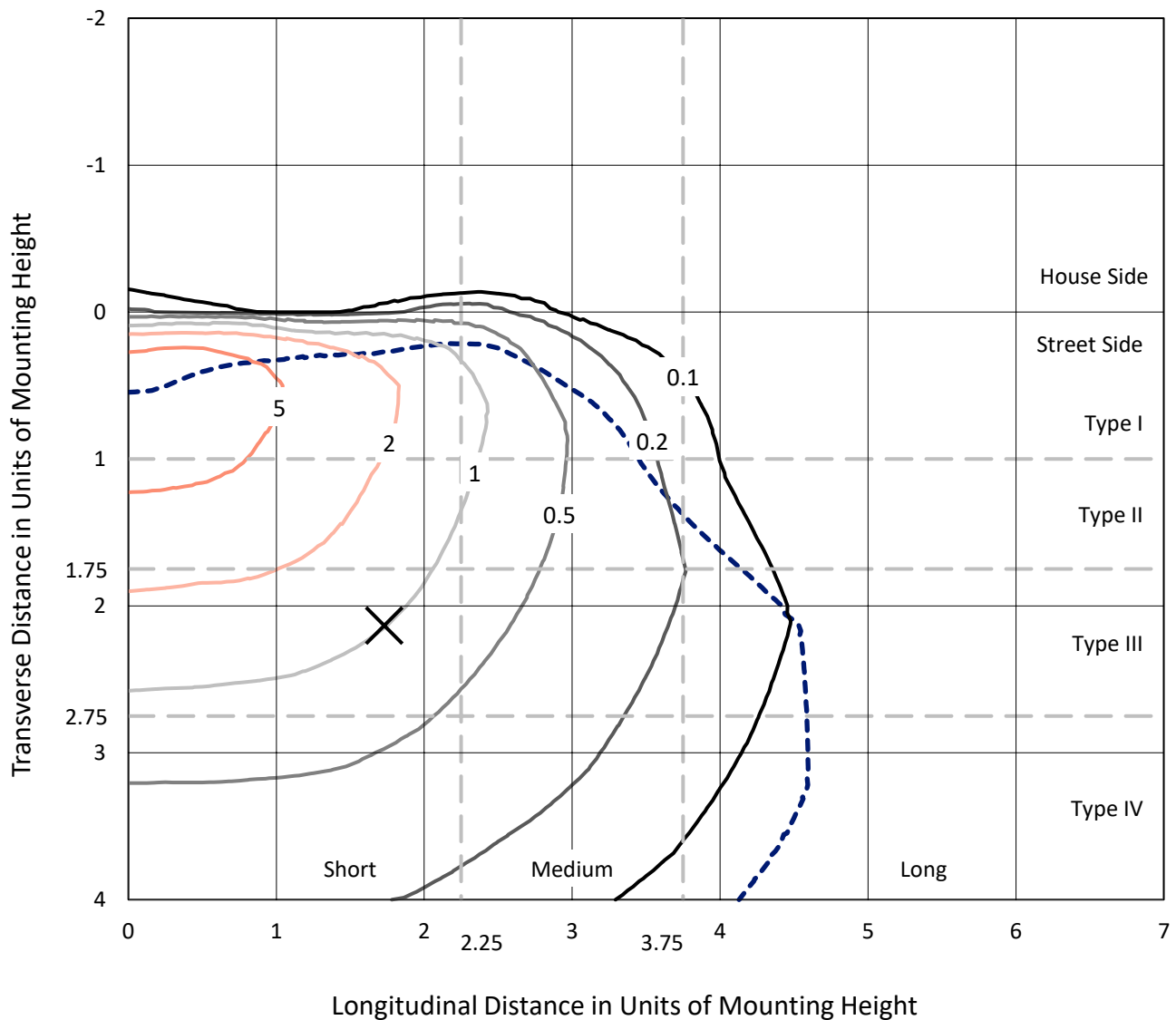


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

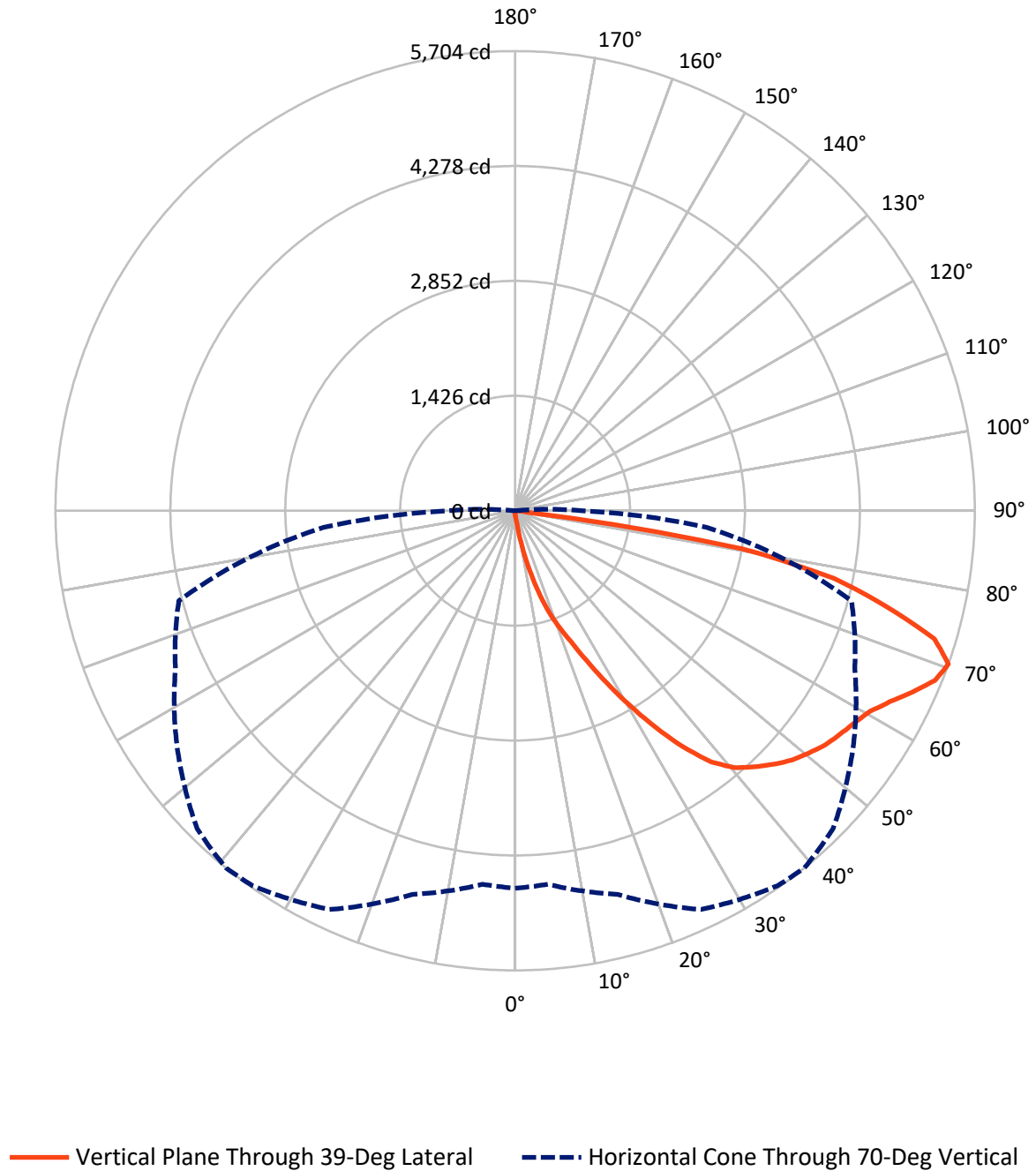


Based on 15 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27.7	0.0	27.7
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	8978.3	0.0	8978.3
	% Fixture	99.7	0.0	99.7
Total	Lumens	9006.0	0.0	9006.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	110.7	1.2
20°-30°	375.7	4.2
30°-40°	883.0	9.8
40°-50°	1433.8	15.9
50°-60°	1816.9	20.2
60°-70°	2308.0	25.6
70°-80°	1875.2	20.8
80°-90°	193.1	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°	9006.0	100.0
0°-180°	9006.0	100.0



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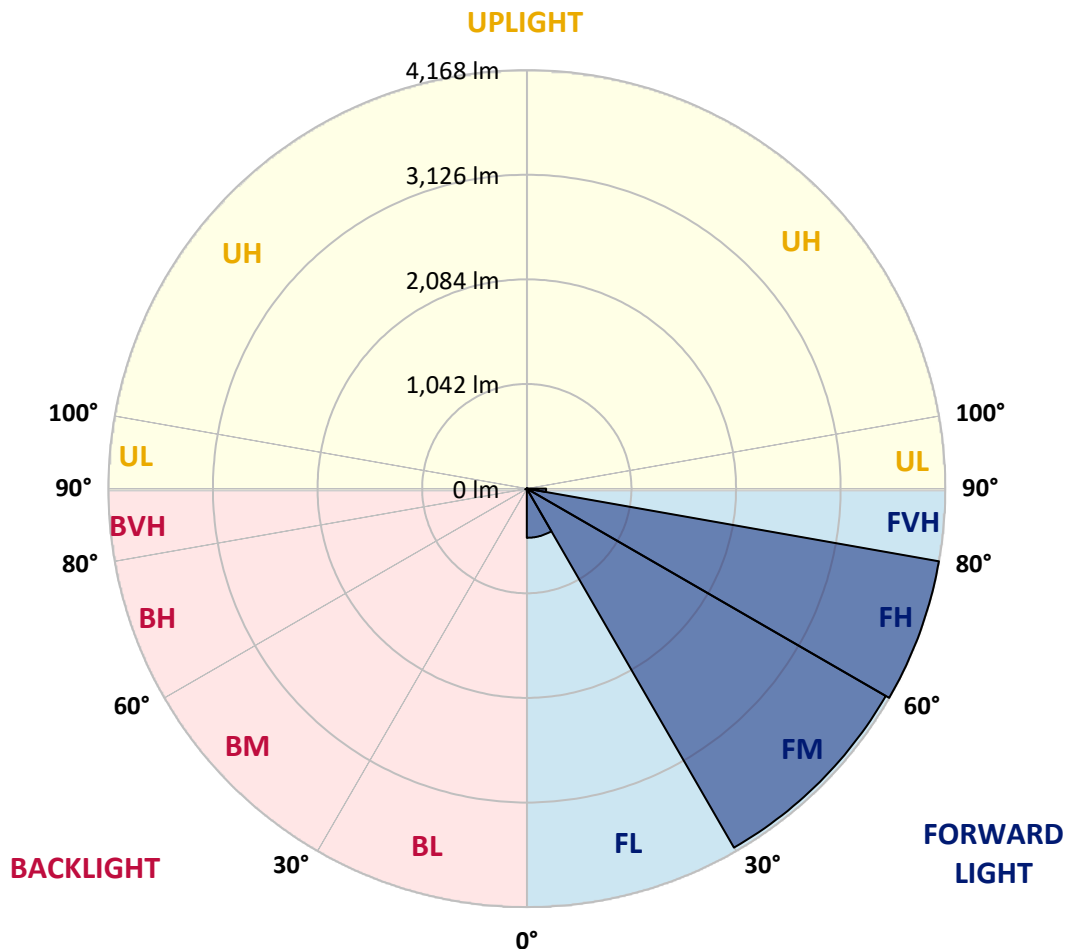
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.9	5.4			
FM	(30°-60°)	4128.4	45.8			
FH	(60°-80°)	4168.0	46.3			G2/5000
FVH	(80°-90°)	191.9	2.1			G2/225
BL	(0°-30°)	6.0	0.1	B0/110		
BM	(30°-60°)	5.3	0.1	B0/220		
BH	(60°-80°)	15.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.2	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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CATALOG NUMBER: NAV-SA2D-827-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	63.6	63.6	63.6	61.1	61.1	58.7	58.7	56.2	53.8	53.8	51.3
5°	119.8	122.3	114.9	100.2	90.5	85.6	80.7	68.5	61.1	56.2	51.3
7.5°	327.6	317.9	303.2	254.3	195.6	166.3	141.8	100.2	73.4	58.7	51.3
10°	689.5	662.6	621.1	555.0	440.1	393.7	305.6	183.4	102.7	66.0	51.3
12.5°	1012.3	1017.2	965.8	902.2	762.9	684.6	564.8	344.8	161.4	78.2	51.3
15°	1256.8	1251.9	1232.3	1181.0	1056.3	980.5	872.9	579.5	271.4	97.8	53.8
17.5°	1449.9	1430.4	1423.0	1401.0	1320.4	1278.8	1161.4	853.3	430.3	132.0	56.2
20°	1643.1	1638.2	1630.9	1606.4	1552.6	1523.3	1432.8	1129.6	640.6	188.3	61.1
22.5°	1924.3	1897.4	1902.3	1848.5	1804.5	1753.1	1679.8	1423.0	882.7	269.0	68.5
25°	2254.4	2251.9	2212.8	2188.4	2115.0	2058.8	1961.0	1706.7	1151.6	388.8	75.8
27.5°	2643.1	2616.3	2599.1	2557.6	2481.8	2418.2	2283.7	1987.9	1442.6	523.3	85.6
30°	3049.0	3049.0	3017.2	2953.7	2880.3	2802.1	2665.2	2283.7	1731.1	694.4	97.8
32.5°	3523.4	3533.2	3454.9	3359.6	3264.2	3210.4	3031.9	2618.7	2007.4	890.0	112.5
35°	3983.1	3970.8	3841.2	3736.1	3665.2	3606.5	3454.9	2985.5	2320.4	1117.4	132.0
37.5°	4423.2	4391.4	4176.2	4027.1	3995.3	3956.2	3804.6	3352.2	2630.9	1369.3	156.5
40°	4738.6	4689.7	4467.2	4261.8	4215.3	4193.3	4076.0	3684.8	2958.6	1650.4	188.3
42.5°	4875.5	4819.3	4665.2	4499.0	4396.3	4344.9	4242.2	3956.2	3286.2	1963.4	234.7
45°	4902.4	4858.4	4748.4	4709.3	4569.9	4491.6	4352.3	4149.3	3591.8	2273.9	298.3
47.5°	4804.6	4785.1	4719.0	4802.2	4731.3	4623.7	4455.0	4293.6	3863.3	2650.5	386.3
50°	4565.0	4550.3	4582.1	4799.7	4848.6	4726.4	4567.4	4406.1	4098.0	3039.3	511.0
52.5°	4242.2	4239.8	4388.9	4736.2	4900.0	4824.2	4677.5	4518.5	4283.8	3415.8	687.1
55°	3890.1	3931.7	4193.3	4677.5	4929.3	4895.1	4785.1	4618.8	4450.1	3765.4	970.7
57.5°	3860.8	3843.7	4095.5	4653.0	4946.4	4966.0	4892.6	4723.9	4591.9	4051.5	1349.7
60°	4154.2	4115.1	4210.5	4704.4	5022.2	5056.5	5000.2	4804.6	4733.7	4276.5	1848.5
62.5°	4494.1	4457.4	4506.3	4902.4	5171.4	5220.3	5149.4	4887.7	4848.6	4433.0	2384.0
65°	4765.5	4736.2	4829.1	5198.3	5379.2	5420.8	5371.9	5041.8	4900.0	4560.1	2819.2
67.5°	4809.5	4772.8	4966.0	5396.3	5589.5	5618.8	5579.7	5190.9	4882.9	4569.9	2919.4
70°	4684.8	4653.0	4929.3	5459.9	5680.0	5704.4	5579.7	5120.0	4650.6	4320.5	2386.4
72.5°	4300.9	4325.4	4682.4	5305.9	5555.3	5442.8	5178.7	4763.0	4349.8	3662.8	1674.9
75°	3704.3	3731.2	4205.6	4882.9	4902.4	4765.5	4623.7	4381.6	3892.6	2413.3	1161.4
77.5°	2633.4	2538.0	3247.1	4032.0	3961.1	4049.1	4061.3	3645.6	3259.3	1256.8	777.5
80°	259.2	220.1	408.3	1156.5	2555.1	2855.9	2973.2	2809.4	2403.5	562.4	408.3
82.5°	56.2	56.2	61.1	66.0	102.7	154.0	706.6	1731.1	1552.6	286.1	132.0
85°	31.8	31.8	39.1	46.5	61.1	68.5	80.7	107.6	418.1	102.7	24.5
87.5°	24.5	26.9	31.8	39.1	51.3	56.2	68.5	85.6	105.1	95.4	7.3
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: NAV-SA2D-827-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
2.5°	51.3	48.9	46.5	44.0	41.6	41.6	39.1	39.1	39.1	39.1	39.1
5°	48.9	46.5	44.0	39.1	36.7	34.2	31.8	31.8	31.8	31.8	31.8
7.5°	48.9	46.5	41.6	36.7	31.8	29.3	26.9	24.5	24.5	26.9	26.9
10°	48.9	44.0	36.7	31.8	26.9	24.5	22.0	19.6	19.6	19.6	19.6
12.5°	46.5	41.6	34.2	29.3	24.5	19.6	14.7	12.2	12.2	12.2	12.2
15°	44.0	39.1	31.8	24.5	17.1	12.2	9.8	7.3	7.3	7.3	7.3
17.5°	44.0	36.7	29.3	22.0	12.2	7.3	4.9	2.4	2.4	2.4	4.9
20°	44.0	36.7	26.9	17.1	7.3	4.9	4.9	2.4	0.0	2.4	2.4
22.5°	44.0	34.2	22.0	12.2	7.3	4.9	2.4	0.0	0.0	0.0	0.0
25°	46.5	34.2	19.6	9.8	4.9	2.4	0.0	0.0	0.0	0.0	0.0
27.5°	46.5	31.8	17.1	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	48.9	31.8	14.7	4.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	48.9	29.3	9.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	48.9	26.9	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	48.9	24.5	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	51.3	22.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	53.8	19.6	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	56.2	17.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	63.6	17.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	73.4	17.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	88.0	17.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	114.9	14.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	166.3	14.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	278.7	14.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	489.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	826.4	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1078.3	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	819.1	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	391.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	173.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	75.8	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	29.3	4.9	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	12.2	4.9	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0
85°	7.3	4.9	4.9	4.9	2.4	2.4	2.4	0.0	0.0	0.0	0.0
87.5°	4.9	4.9	4.9	4.9	4.9	2.4	2.4	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: SP1-2407-184-8

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-827-U-5WQ

Data in this report applies to families of products including GSS-SB1A-827-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-8
 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-827-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K): 2756
 CIE u' : 0.2599
 CIE v' : 0.5271
 Duv: 0.0006
 CIE x: 0.4563
 CIE y: 0.4112
 CIE z: 0.1325
 Peak Wavelength (nm): 609
 Dominant Wavelength (nm): 583
 Purity: 60.41121
 R_f: 82.2
 R_g: 99.9

CRI (Ra): 82.9
 R1: 81.6
 R2: 88.8
 R3: 96.0
 R4: 83.4
 R5: 81.4
 R6: 87.0
 R7: 84.0
 R8: 60.8
 R9: 10.8
 R10: 74.8
 R11: 84.3
 R12: 72.1
 R13: 82.9
 R14: 97.3
 R15: 73.7



Test Conditions

Stabilization Time: 29M
 Operation Time: 1H 29M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-8

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 ^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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.2

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.16

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	158	NR	620	959	NR	750	35	NR	880	1	NR
365	0	NR	495	211	NR	625	918	NR	755	30	NR	885	1	NR
370	0	NR	500	264	NR	630	873	NR	760	26	NR	890	1	NR
375	0	NR	505	318	NR	635	816	NR	765	22	NR	895	1	NR
380	0	NR	510	363	NR	640	755	NR	770	19	NR	900	1	NR
385	0	NR	515	403	NR	645	689	NR	775	16	NR	905	1	NR
390	0	NR	520	435	NR	650	626	NR	780	14	NR	910	0	NR
395	1	NR	525	459	NR	655	564	NR	785	12	NR	915	0	NR
400	3	NR	530	481	NR	660	503	NR	790	10	NR	920	0	NR
405	6	NR	535	501	NR	665	447	NR	795	9	NR	925	0	NR
410	13	NR	540	519	NR	670	392	NR	800	8	NR	930	0	NR
415	26	NR	545	542	NR	675	343	NR	805	7	NR	935	0	NR
420	51	NR	550	565	NR	680	299	NR	810	6	NR	940	0	NR
425	93	NR	555	593	NR	685	260	NR	815	5	NR	945	0	NR
430	156	NR	560	624	NR	690	225	NR	820	4	NR	950	0	NR
435	250	NR	565	662	NR	695	194	NR	825	4	NR	955	0	NR
440	391	NR	570	707	NR	700	166	NR	830	3	NR	960	0	NR
445	460	NR	575	756	NR	705	143	NR	835	3	NR	965	0	NR
450	293	NR	580	810	NR	710	122	NR	840	2	NR	970	0	NR
455	188	NR	585	860	NR	715	105	NR	845	2	NR	975	0	NR
460	149	NR	590	910	NR	720	90	NR	850	2	NR	980	0	NR
465	103	NR	595	950	NR	725	77	NR	855	2	NR	985	0	NR
470	80	NR	600	980	NR	730	66	NR	860	1	NR	990	0	NR
475	82	NR	605	995	NR	735	56	NR	865	1	NR	995	0	NR
480	92	NR	610	998	NR	740	48	NR	870	1	NR	1000	0	NR
485	116	NR	615	985	NR	745	41	NR	875	1	NR			

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TM-30-18
Summary
 $R_f = 82.2$
 $R_g = 99.9$
 CIE $R_a = 82.9$
 $R_9 = 10.8$

Color Vector Graphics


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

CES01 = 86	CES26 = 76	CES51 = 89	CES76 = 75
CES02 = 63	CES27 = 89	CES52 = 91	CES77 = 87
CES03 = 31	CES28 = 90	CES53 = 82	CES78 = 76
CES04 = 71	CES29 = 68	CES54 = 88	CES79 = 91
CES05 = 50	CES30 = 69	CES55 = 87	CES80 = 90
CES06 = 52	CES31 = 72	CES56 = 80	CES81 = 74
CES07 = 43	CES32 = 71	CES57 = 78	CES82 = 95
CES08 = 42	CES33 = 71	CES58 = 80	CES83 = 90
CES09 = 29	CES34 = 84	CES59 = 93	CES84 = 94
CES10 = 77	CES35 = 92	CES60 = 96	CES85 = 83
CES11 = 59	CES36 = 92	CES61 = 94	CES86 = 69
CES12 = 66	CES37 = 89	CES62 = 84	CES87 = 85
CES13 = 44	CES38 = 75	CES63 = 79	CES88 = 84
CES14 = 74	CES39 = 93	CES64 = 85	CES89 = 74
CES15 = 72	CES40 = 89	CES65 = 79	CES90 = 81
CES16 = 48	CES41 = 85	CES66 = 83	CES91 = 96
CES17 = 50	CES42 = 88	CES67 = 82	CES92 = 72
CES18 = 57	CES43 = 81	CES68 = 86	CES93 = 84
CES19 = 73	CES44 = 98	CES69 = 92	CES94 = 63
CES20 = 67	CES45 = 87	CES70 = 81	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 81	CES96 = 85
CES22 = 79	CES47 = 76	CES72 = 93	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 75	CES98 = 82
CES24 = 91	CES49 = 81	CES74 = 91	CES99 = 76
CES25 = 72	CES50 = 88	CES75 = 79	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)