

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: P1067334

Luminaire Tested: **NAV-SA5B-827-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067334
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5B-827-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16070.4 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 178.8
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

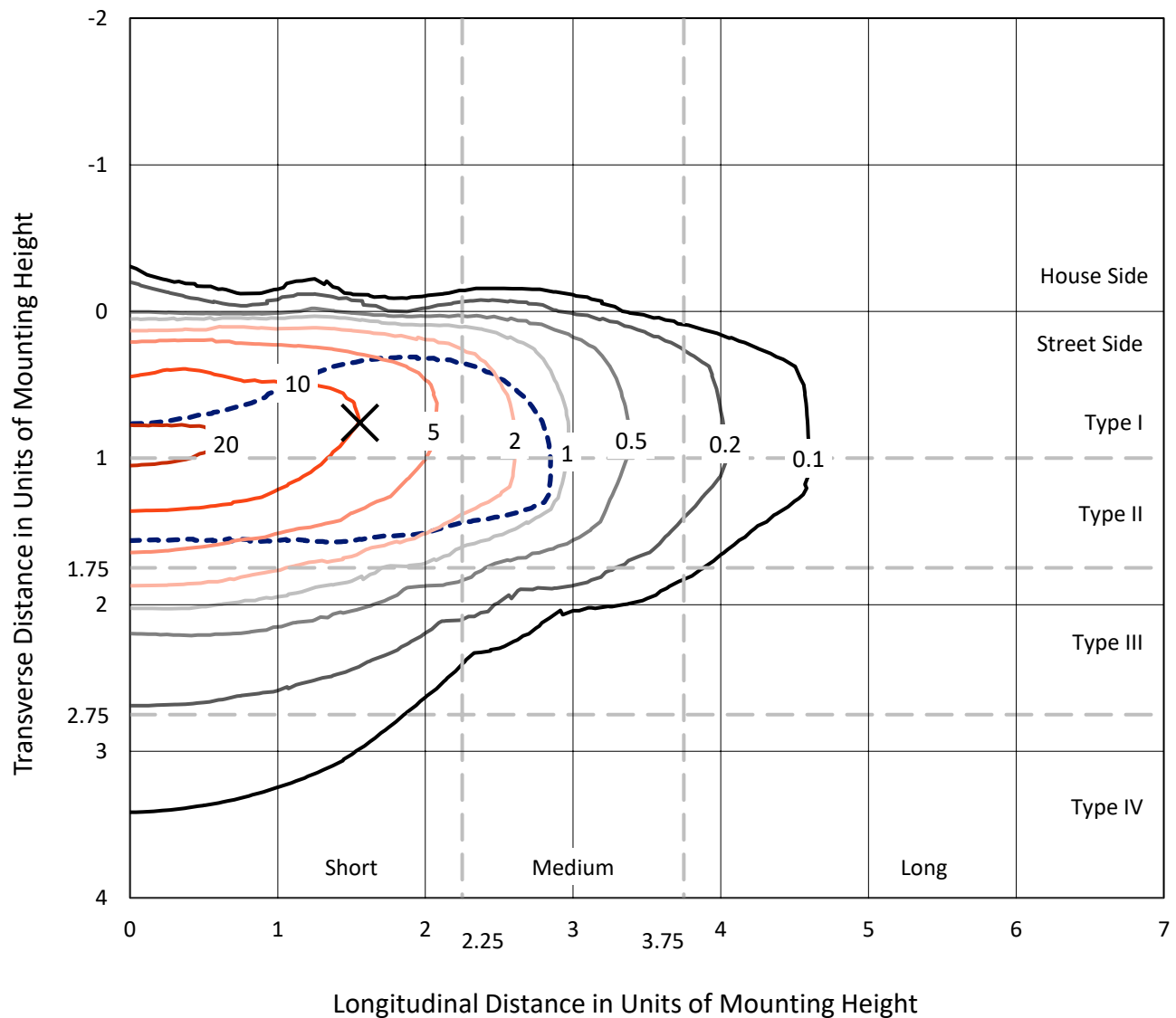


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

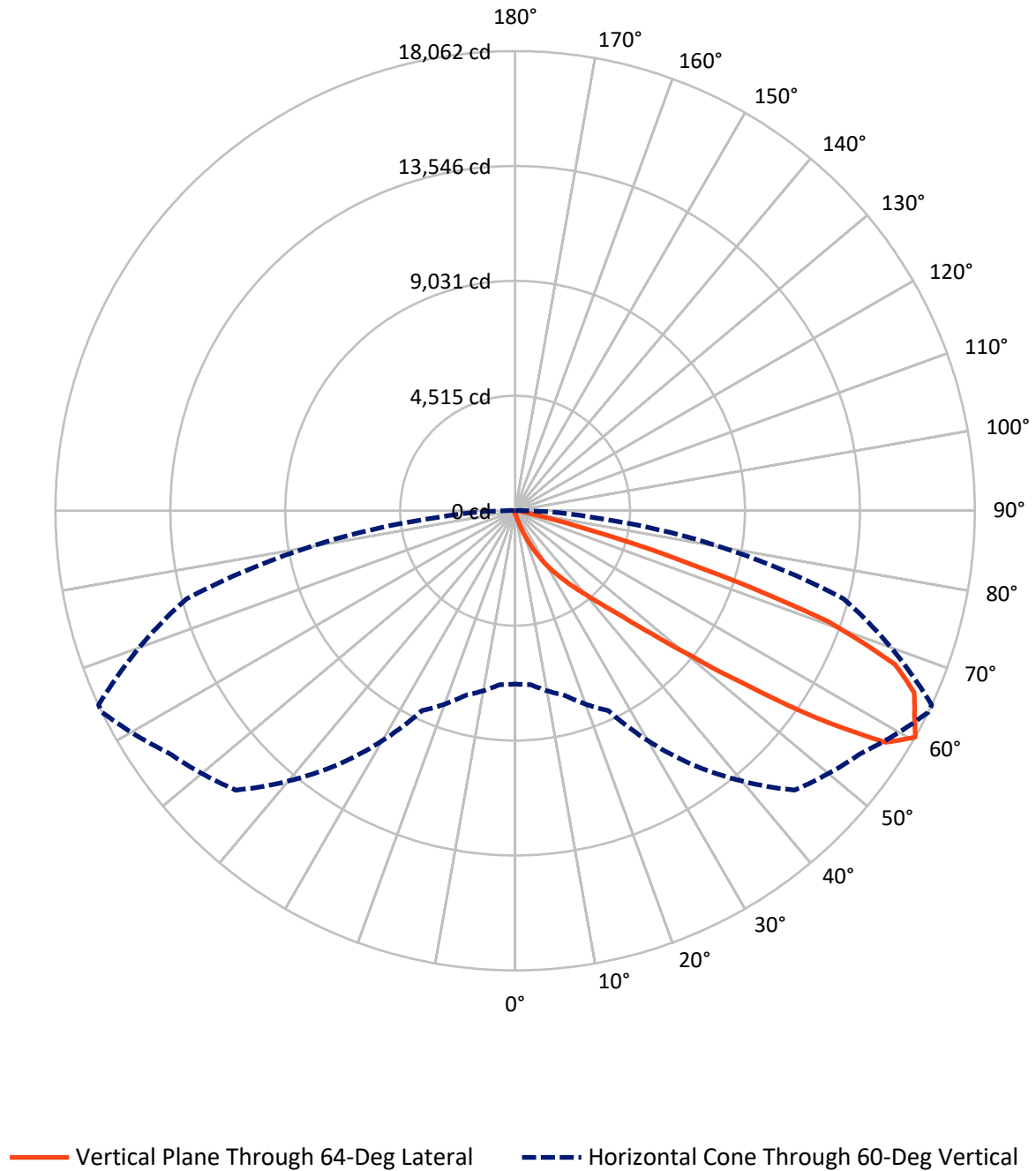


Based on 15 foot mounting height. Maximum calculated value = 23 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	65.1	0.0	65.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	16005.3	0.0	16005.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	16070.4	0.0	16070.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.1
10°-20°	157.9	1.0
20°-30°	524.5	3.3
30°-40°	1399.5	8.7
40°-50°	3557.3	22.1
50°-60°	5185.7	32.3
60°-70°	4005.4	24.9
70°-80°	1100.0	6.8
80°-90°	124.2	0.8
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°	16070.4	100.0
0°-180°	16070.4	100.0



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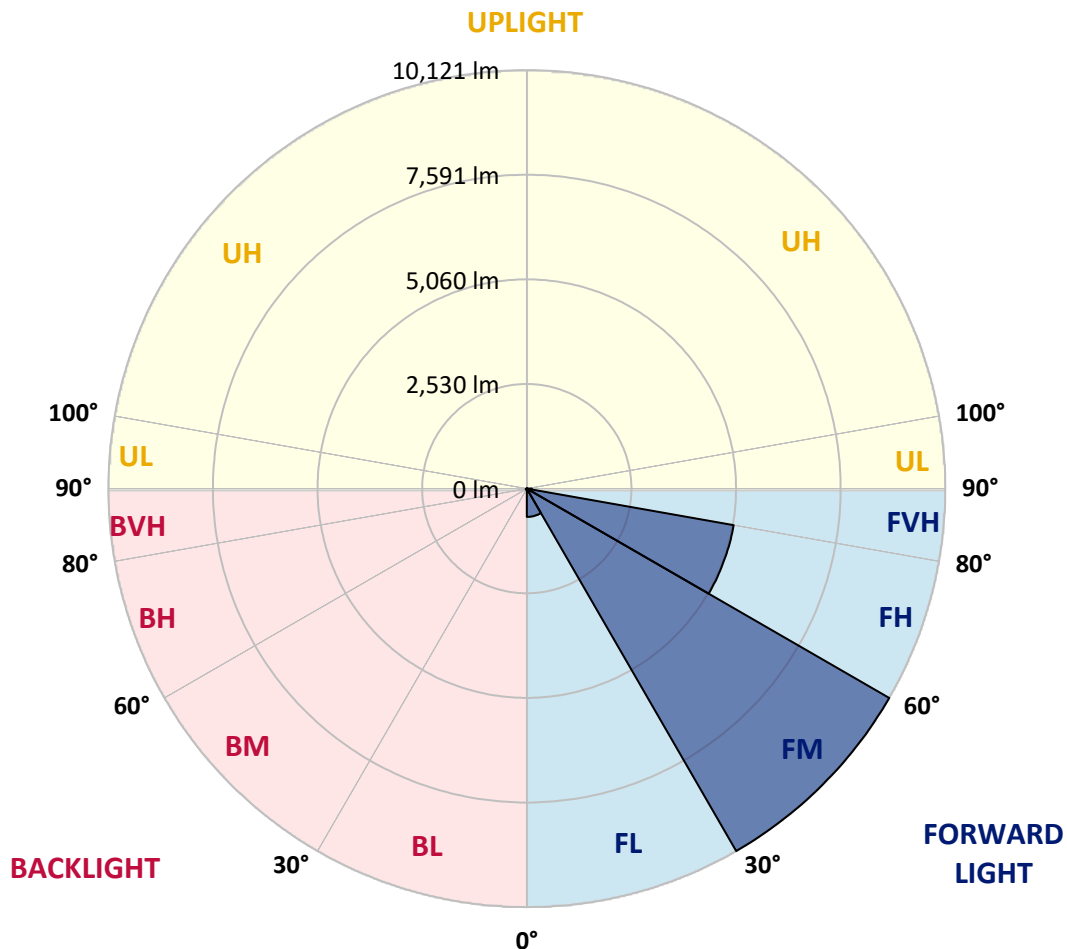
CATALOG NUMBER: NAV-SA5B-827-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	683.8	4.3			
FM	(30°-60°)	10120.9	63.0			
FH	(60°-80°)	5079.4	31.6			G3/7500
FVH	(80°-90°)	121.2	0.8			G2/225
BL	(0°-30°)	14.6	0.1	B0/110		
BM	(30°-60°)	21.6	0.1	B0/220		
BH	(60°-80°)	26.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
2.5°	141.6	141.6	141.6	137.1	132.7	132.7	128.3	123.9	123.9	115.0	110.6
5°	216.8	216.8	207.9	199.1	185.8	168.1	150.4	137.1	137.1	123.9	115.0
7.5°	424.7	437.9	398.1	349.5	283.1	238.9	190.2	159.3	154.8	132.7	115.0
10°	920.1	911.3	849.3	729.9	575.1	415.8	265.4	194.6	185.8	141.6	115.0
12.5°	1384.6	1397.9	1331.5	1198.8	1013.0	738.7	455.6	252.1	243.3	154.8	115.0
15°	1782.7	1782.7	1738.5	1672.1	1468.6	1181.1	734.3	376.0	345.0	168.1	110.6
17.5°	2057.0	2052.6	2034.9	2017.2	1897.7	1601.4	1123.6	601.6	530.8	199.1	110.6
20°	2366.6	2353.4	2375.5	2340.1	2247.2	2012.7	1535.0	893.6	827.2	252.1	110.6
22.5°	2689.6	2702.8	2720.5	2685.1	2583.4	2379.9	1968.5	1269.6	1198.8	349.5	115.0
25°	3101.0	3092.1	3131.9	3101.0	2972.7	2733.8	2375.5	1681.0	1579.2	486.6	123.9
27.5°	3605.3	3587.6	3614.1	3534.5	3366.4	3123.1	2738.2	2101.2	1981.8	698.9	141.6
30°	4273.2	4286.5	4167.1	4074.2	3835.3	3512.4	3140.8	2552.4	2428.6	951.1	159.3
32.5°	5326.0	5233.1	5047.4	4671.3	4357.3	3945.9	3543.3	2946.1	2835.5	1274.0	185.8
35°	6967.2	6984.9	6577.9	5649.0	4967.7	4490.0	3985.7	3379.6	3300.0	1641.2	221.2
37.5°	8966.7	8918.0	8559.7	7387.5	5861.3	5166.8	4490.0	3853.0	3738.0	2039.3	265.4
40°	11231.6	11028.1	10820.2	10023.9	7723.6	6016.1	5127.0	4401.5	4313.0	2499.3	336.2
42.5°	13045.3	12992.2	13027.6	12695.8	10829.0	7462.7	5971.9	5073.9	4967.7	3070.0	460.1
45°	13938.8	13863.6	14076.0	14323.7	13845.9	10541.5	7334.4	5932.1	5790.5	3742.4	650.3
47.5°	13700.0	13646.9	14102.5	14589.1	15226.1	14111.4	9559.5	7214.9	6971.6	4605.0	933.4
50°	12523.3	12527.7	13275.3	14182.1	15190.7	15920.6	12855.1	8971.1	8665.9	5750.7	1375.7
52.5°	11377.6	11412.9	12204.8	13527.4	14664.3	16133.0	15748.1	11337.7	10842.3	7099.9	1897.7
55°	10200.9	10218.6	10917.5	12779.8	14416.6	15500.4	17234.4	14385.6	13859.2	8780.9	2406.5
57.5°	9068.4	9068.4	9329.4	10983.9	14146.7	15442.9	17057.5	17172.5	16743.4	10700.7	2782.5
60°	6812.4	6856.6	7506.9	8665.9	12200.4	15526.9	16606.3	18061.7	18061.7	13363.8	3070.0
62.5°	3441.6	3507.9	4317.5	5445.5	8369.5	14367.9	16677.1	17614.9	17685.6	15712.7	3724.7
65°	1614.6	1689.8	2123.3	2919.6	4503.2	10112.4	15942.7	17234.4	17212.3	15265.9	5104.9
67.5°	1159.0	1181.1	1327.1	1703.1	2424.1	4432.5	12169.4	16097.6	16106.4	12970.1	5870.1
70°	1039.6	1039.6	1074.9	1185.5	1459.8	1981.8	5914.4	13036.4	13669.0	10015.1	5441.1
72.5°	1026.3	1017.4	1008.6	1013.0	986.5	995.3	2030.4	7360.9	8263.3	7007.0	4339.6
75°	999.7	999.7	990.9	959.9	787.4	641.4	698.9	2977.1	3441.6	4680.2	3220.4
77.5°	791.8	871.5	964.4	906.8	721.1	482.2	407.0	862.6	1088.2	2870.9	2335.7
80°	367.2	371.6	367.2	384.9	460.1	345.0	300.8	420.2	424.7	1592.5	1446.5
82.5°	265.4	269.8	256.6	230.0	203.5	185.8	247.7	309.7	331.8	729.9	539.7
85°	79.6	75.2	88.5	119.4	141.6	163.7	207.9	261.0	274.3	269.8	79.6
87.5°	35.4	35.4	44.2	61.9	84.0	123.9	181.4	238.9	243.3	278.7	22.1
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°	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2	106.2
2.5°	110.6	106.2	101.7	97.3	92.9	88.5	84.0	84.0	88.5	88.5	88.5
5°	106.2	101.7	92.9	84.0	79.6	75.2	70.8	70.8	75.2	75.2	75.2
7.5°	106.2	97.3	88.5	79.6	70.8	66.4	61.9	61.9	61.9	66.4	66.4
10°	106.2	97.3	84.0	70.8	61.9	57.5	53.1	48.7	53.1	53.1	53.1
12.5°	101.7	92.9	79.6	66.4	53.1	44.2	39.8	39.8	39.8	39.8	39.8
15°	97.3	88.5	75.2	57.5	44.2	35.4	26.5	26.5	26.5	31.0	31.0
17.5°	92.9	84.0	66.4	44.2	31.0	22.1	17.7	17.7	17.7	22.1	22.1
20°	92.9	79.6	57.5	35.4	22.1	13.3	8.8	8.8	8.8	13.3	17.7
22.5°	92.9	79.6	53.1	26.5	13.3	8.8	4.4	4.4	4.4	4.4	4.4
25°	92.9	75.2	48.7	22.1	8.8	4.4	0.0	0.0	4.4	8.8	13.3
27.5°	92.9	70.8	39.8	13.3	8.8	4.4	0.0	4.4	8.8	8.8	8.8
30°	92.9	70.8	35.4	13.3	4.4	0.0	0.0	4.4	8.8	8.8	13.3
32.5°	97.3	66.4	31.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	101.7	61.9	26.5	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	110.6	61.9	17.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	123.9	66.4	17.7	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	154.8	70.8	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	216.8	88.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	318.5	132.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	464.5	181.4	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	570.6	181.4	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	566.2	115.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	433.5	79.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	367.2	57.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	442.4	44.2	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	787.4	39.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1265.2	39.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1415.6	39.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1105.9	35.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	606.0	31.0	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	305.2	22.1	8.8	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	128.3	17.7	8.8	4.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0
82.5°	44.2	17.7	8.8	8.8	4.4	4.4	0.0	0.0	0.0	0.0	0.0
85°	22.1	13.3	13.3	8.8	8.8	4.4	4.4	0.0	0.0	0.0	0.0
87.5°	13.3	13.3	13.3	8.8	8.8	4.4	4.4	0.0	0.0	0.0	4.4
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



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	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)