

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: P1067568

Luminaire Tested: **NAV-SA3D-827-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067568
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3D-827-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 3xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13404.3 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 160.9
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

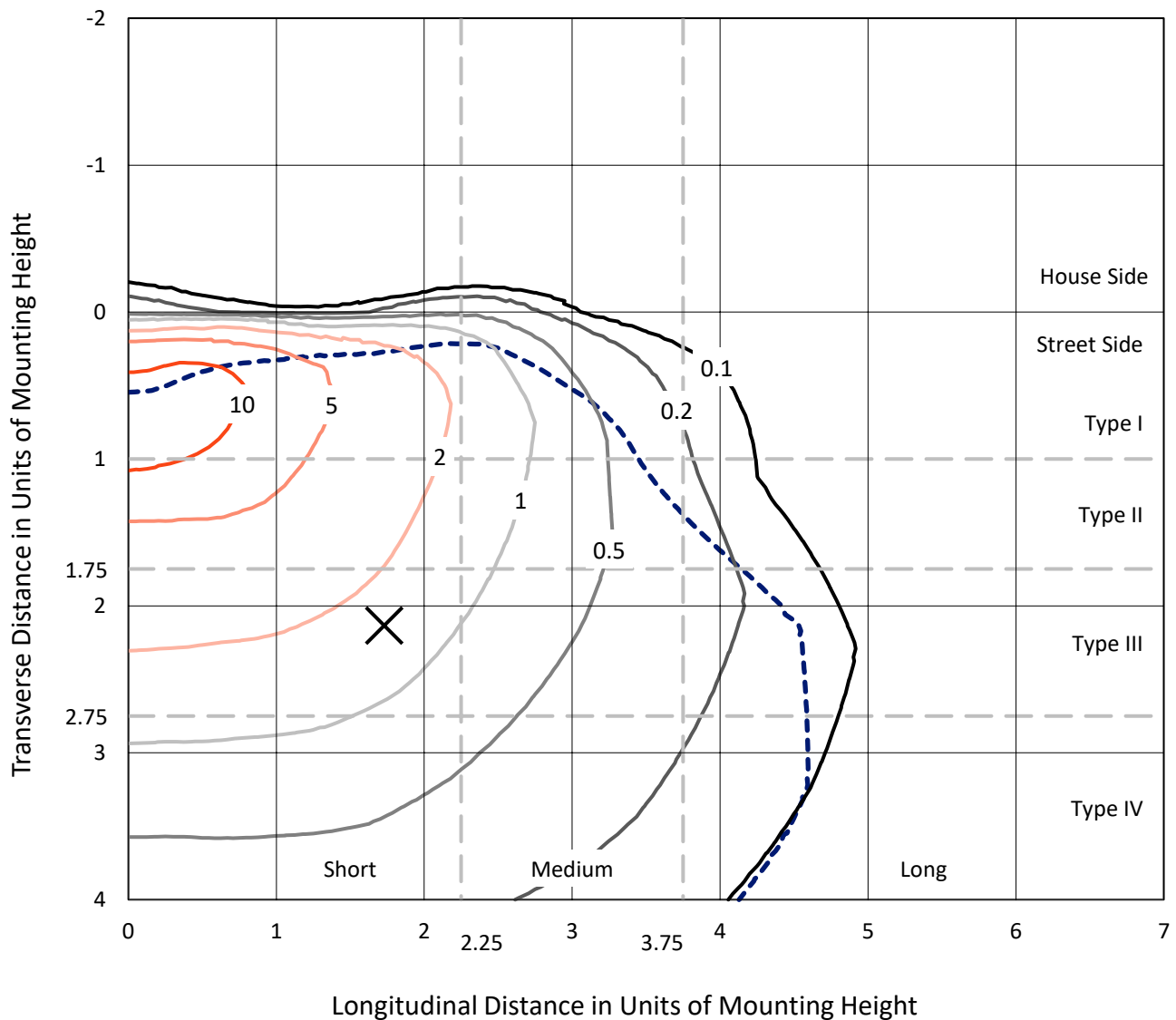


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

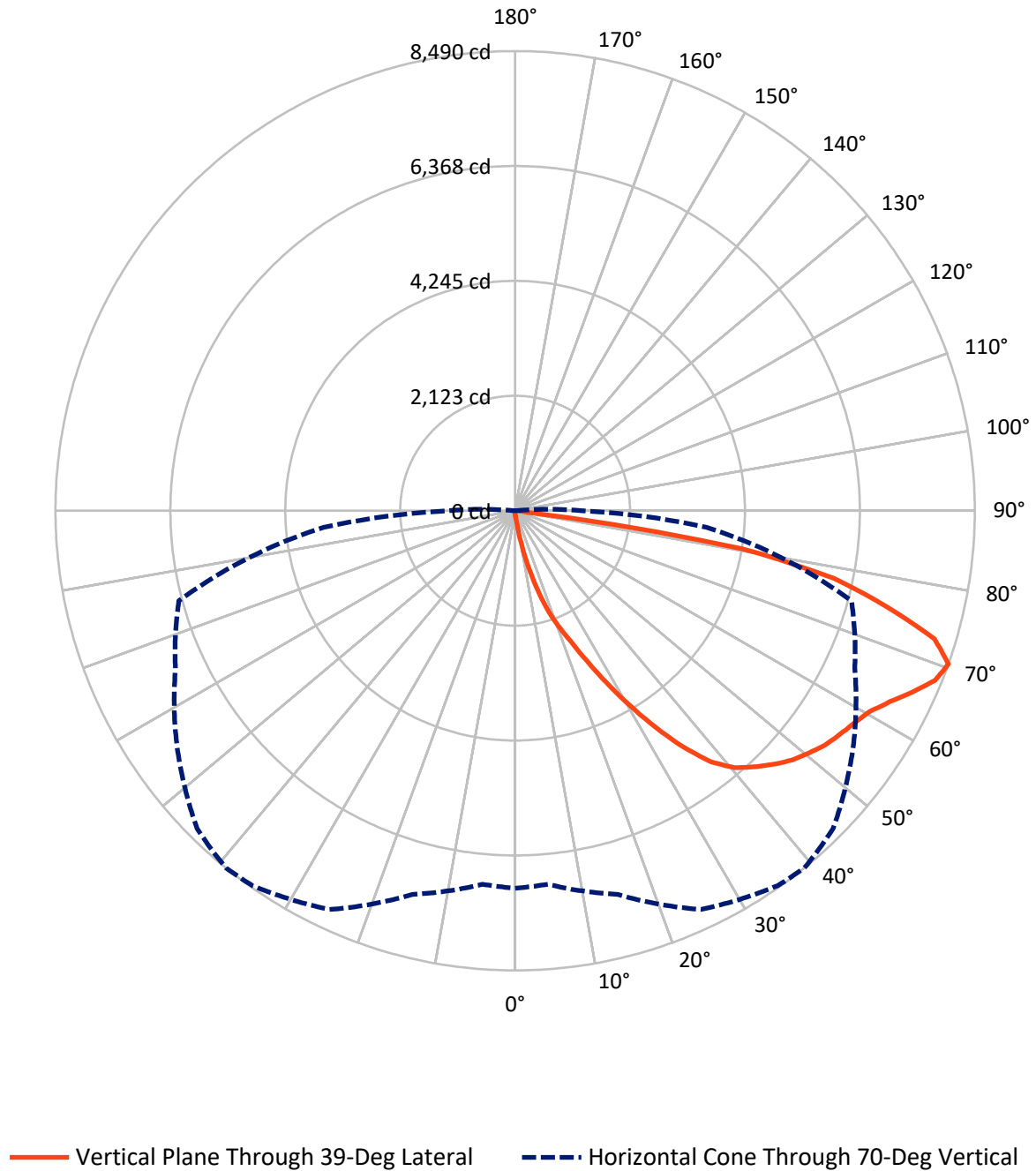


Based on 15 foot mounting height. Maximum calculated value = 14.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	41.3	0.0	41.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	13363.0	0.0	13363.0
	% Fixture	99.7	0.0	99.7
Total	Lumens	13404.3	0.0	13404.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.1
10°-20°	164.8	1.2
20°-30°	559.2	4.2
30°-40°	1314.2	9.8
40°-50°	2134.1	15.9
50°-60°	2704.3	20.2
60°-70°	3435.2	25.6
70°-80°	2791.1	20.8
80°-90°	287.4	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°	13404.3	100.0
0°-180°	13404.3	100.0



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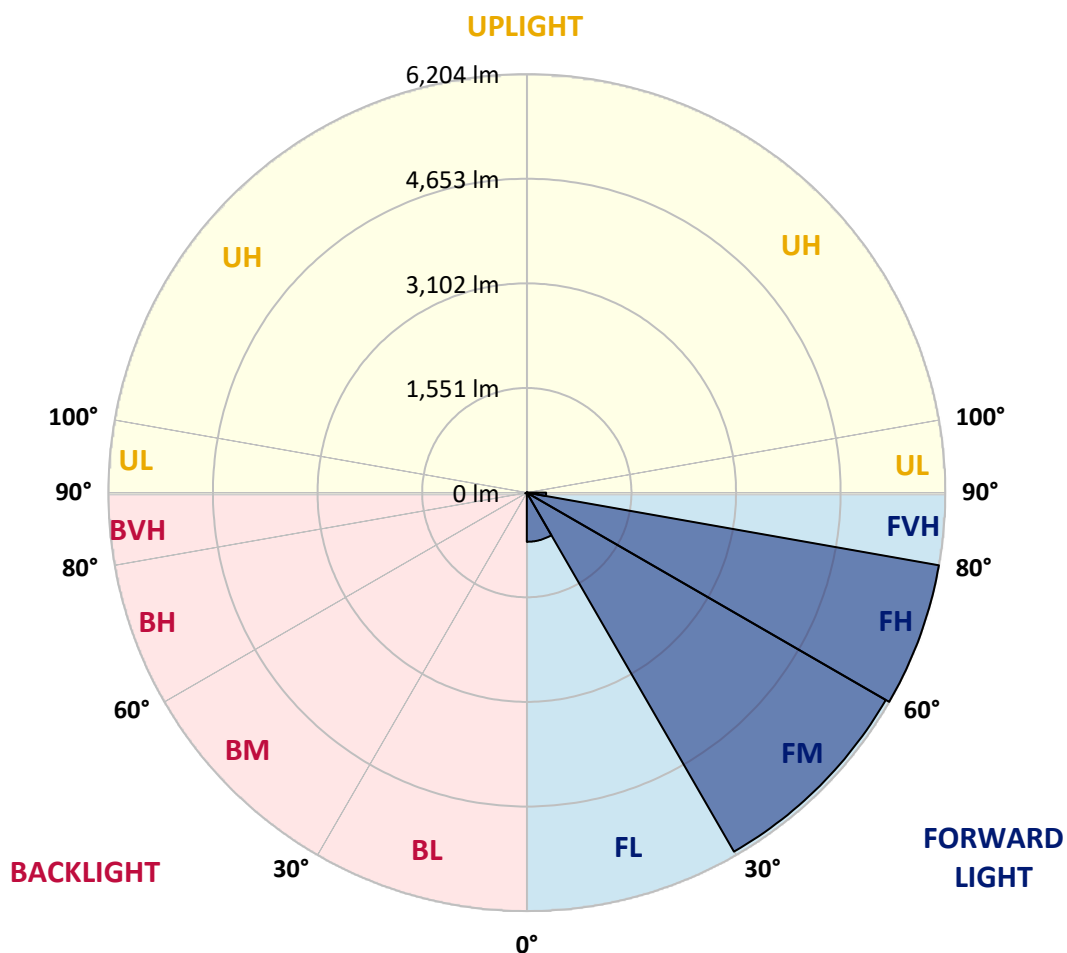
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	729.2	5.4			
FM	(30°-60°)	6144.7	45.8			
FH	(60°-80°)	6203.5	46.3			G3/7500
FVH	(80°-90°)	285.7	2.1			G3/500
BL	(0°-30°)	8.9	0.1	B0/110		
BM	(30°-60°)	7.9	0.1	B0/220		
BH	(60°-80°)	22.7	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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CATALOG NUMBER: NAV-SA3D-827-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	94.6	94.6	94.6	91.0	91.0	87.3	87.3	83.7	80.1	80.1	76.4
5°	178.3	182.0	171.0	149.2	134.7	127.4	120.1	101.9	91.0	83.7	76.4
7.5°	487.7	473.1	451.3	378.5	291.1	247.5	211.1	149.2	109.2	87.3	76.4
10°	1026.3	986.2	924.4	826.1	655.1	585.9	454.9	272.9	152.8	98.3	76.4
12.5°	1506.6	1513.9	1437.5	1342.9	1135.4	1019.0	840.7	513.1	240.2	116.5	76.4
15°	1870.6	1863.3	1834.2	1757.7	1572.1	1459.3	1299.2	862.5	404.0	145.6	80.1
17.5°	2158.1	2128.9	2118.0	2085.3	1965.2	1903.3	1728.6	1270.1	640.5	196.5	83.7
20°	2445.6	2438.3	2427.4	2391.0	2310.9	2267.2	2132.6	1681.3	953.5	280.2	91.0
22.5°	2864.1	2824.0	2831.3	2751.2	2685.7	2609.3	2500.1	2118.0	1313.8	400.3	101.9
25°	3355.4	3351.7	3293.5	3257.1	3147.9	3064.2	2918.7	2540.2	1714.1	578.6	112.8
27.5°	3934.0	3894.0	3868.5	3806.6	3693.8	3599.2	3399.0	2958.7	2147.1	778.8	127.4
30°	4538.1	4538.1	4490.8	4396.2	4287.0	4170.5	3966.7	3399.0	2576.6	1033.5	145.6
32.5°	5244.1	5258.7	5142.2	5000.3	4858.4	4778.3	4512.6	3897.6	2987.8	1324.7	167.4
35°	5928.3	5910.1	5717.2	5560.7	5455.2	5367.8	5142.2	4443.5	3453.6	1663.1	196.5
37.5°	6583.3	6536.0	6215.8	5993.8	5946.5	5888.3	5662.6	4989.4	3915.8	2038.0	232.9
40°	7052.8	6980.0	6648.9	6343.2	6274.0	6241.3	6066.6	5484.3	4403.5	2456.5	280.2
42.5°	7256.6	7172.9	6943.6	6696.2	6543.3	6466.9	6314.0	5888.3	4891.1	2922.3	349.4
45°	7296.6	7231.1	7067.4	7009.1	6801.7	6685.2	6477.8	6175.8	5346.0	3384.5	444.0
47.5°	7151.1	7121.9	7023.7	7147.4	7041.9	6881.8	6630.7	6390.5	5750.0	3944.9	575.0
50°	6794.4	6772.6	6819.9	7143.8	7216.6	7034.6	6798.1	6557.9	6099.3	4523.5	760.6
52.5°	6314.0	6310.4	6532.4	7049.2	7293.0	7180.2	6961.8	6725.3	6375.9	5084.0	1022.6
55°	5790.0	5851.9	6241.3	6961.8	7336.7	7285.7	7121.9	6874.5	6623.4	5604.4	1444.8
57.5°	5746.3	5720.9	6095.7	6925.4	7362.1	7391.3	7282.1	7031.0	6834.5	6030.2	2008.8
60°	6183.0	6124.8	6266.7	7001.9	7475.0	7525.9	7442.2	7151.1	7045.5	6365.0	2751.2
62.5°	6688.9	6634.3	6707.1	7296.6	7696.9	7769.7	7664.2	7274.8	7216.6	6597.9	3548.2
65°	7092.8	7049.2	7187.5	7737.0	8006.3	8068.1	7995.4	7504.1	7293.0	6787.1	4196.0
67.5°	7158.3	7103.8	7391.3	8031.8	8319.3	8362.9	8304.7	7726.1	7267.5	6801.7	4345.2
70°	6972.7	6925.4	7336.7	8126.4	8453.9	8490.3	8304.7	7620.5	6921.8	6430.5	3551.9
72.5°	6401.4	6437.8	6969.1	7897.1	8268.3	8100.9	7707.9	7089.2	6474.2	5451.5	2492.9
75°	5513.4	5553.4	6259.5	7267.5	7296.6	7092.8	6881.8	6521.5	5793.6	3591.9	1728.6
77.5°	3919.4	3777.5	4832.9	6001.1	5895.5	6026.5	6044.7	5426.1	4851.1	1870.6	1157.3
80°	385.8	327.5	607.7	1721.4	3803.0	4250.6	4425.3	4181.5	3577.4	837.0	607.7
82.5°	83.7	83.7	91.0	98.3	152.8	229.3	1051.7	2576.6	2310.9	425.8	196.5
85°	47.3	47.3	58.2	69.1	91.0	101.9	120.1	160.1	622.3	152.8	36.4
87.5°	36.4	40.0	47.3	58.2	76.4	83.7	101.9	127.4	156.5	141.9	10.9
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-SA3D-827-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
2.5°	76.4	72.8	69.1	65.5	61.9	61.9	58.2	58.2	58.2	58.2	58.2
5°	72.8	69.1	65.5	58.2	54.6	50.9	47.3	47.3	47.3	47.3	47.3
7.5°	72.8	69.1	61.9	54.6	47.3	43.7	40.0	36.4	36.4	40.0	40.0
10°	72.8	65.5	54.6	47.3	40.0	36.4	32.8	29.1	29.1	29.1	29.1
12.5°	69.1	61.9	50.9	43.7	36.4	29.1	21.8	18.2	18.2	18.2	18.2
15°	65.5	58.2	47.3	36.4	25.5	18.2	14.6	10.9	10.9	10.9	10.9
17.5°	65.5	54.6	43.7	32.8	18.2	10.9	7.3	3.6	3.6	3.6	7.3
20°	65.5	54.6	40.0	25.5	10.9	7.3	7.3	3.6	0.0	3.6	3.6
22.5°	65.5	50.9	32.8	18.2	10.9	7.3	3.6	0.0	0.0	0.0	0.0
25°	69.1	50.9	29.1	14.6	7.3	3.6	0.0	0.0	0.0	0.0	0.0
27.5°	69.1	47.3	25.5	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	72.8	47.3	21.8	7.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	72.8	43.7	14.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	72.8	40.0	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	72.8	36.4	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	76.4	32.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	80.1	29.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	83.7	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	94.6	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	109.2	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	131.0	25.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	171.0	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	247.5	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	414.9	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	727.8	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1230.1	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1604.9	25.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1219.1	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	582.3	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	258.4	14.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	112.8	10.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.7	7.3	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	18.2	7.3	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0
85°	10.9	7.3	7.3	7.3	3.6	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	7.3	7.3	7.3	7.3	7.3	3.6	3.6	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

REPORT NUMBER: SP1-2407-184-8

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	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)