

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: P1067330

Luminaire Tested: **NAV-SA4B-827-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067330
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-827-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12745.7 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 144.1
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

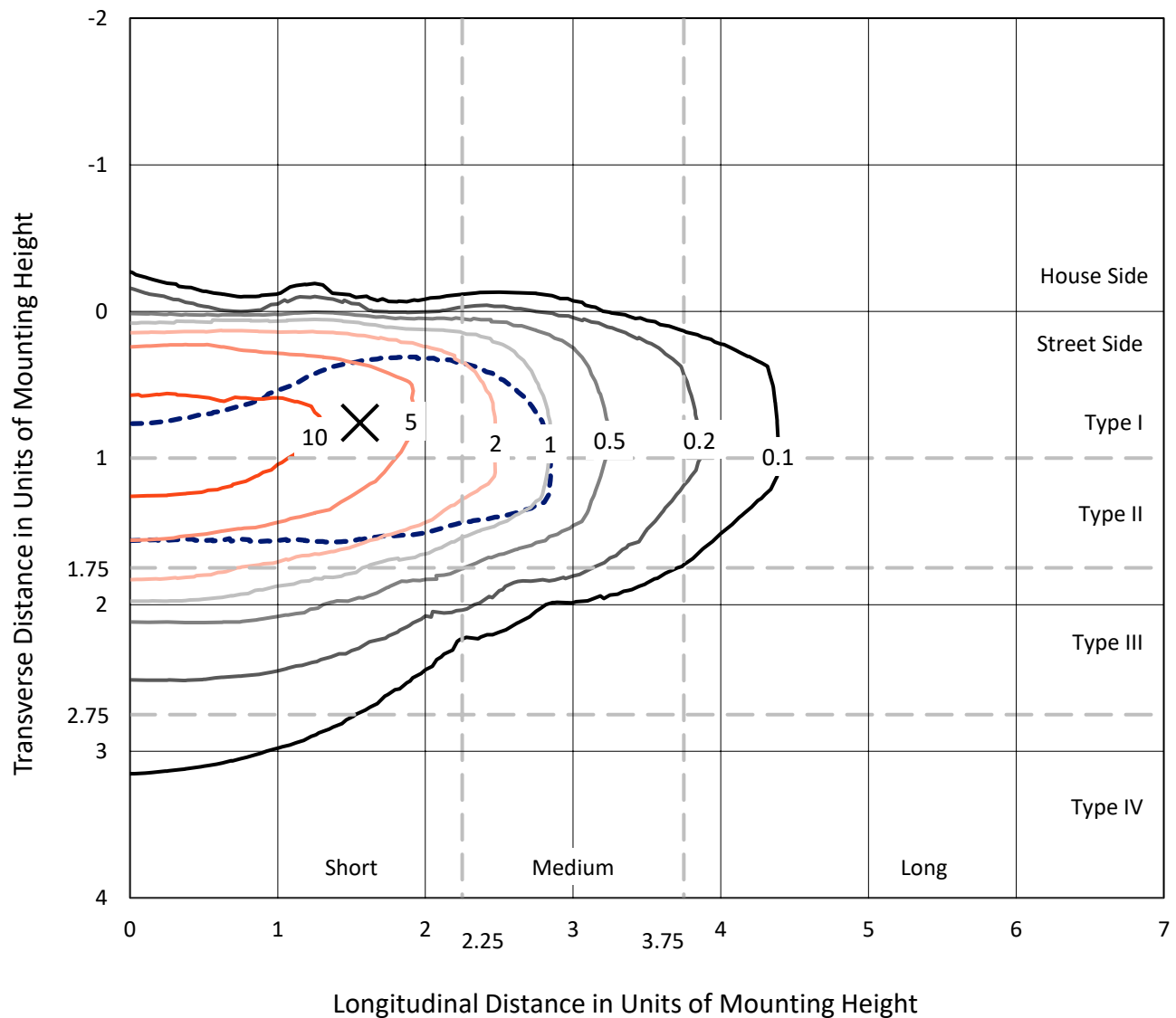


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

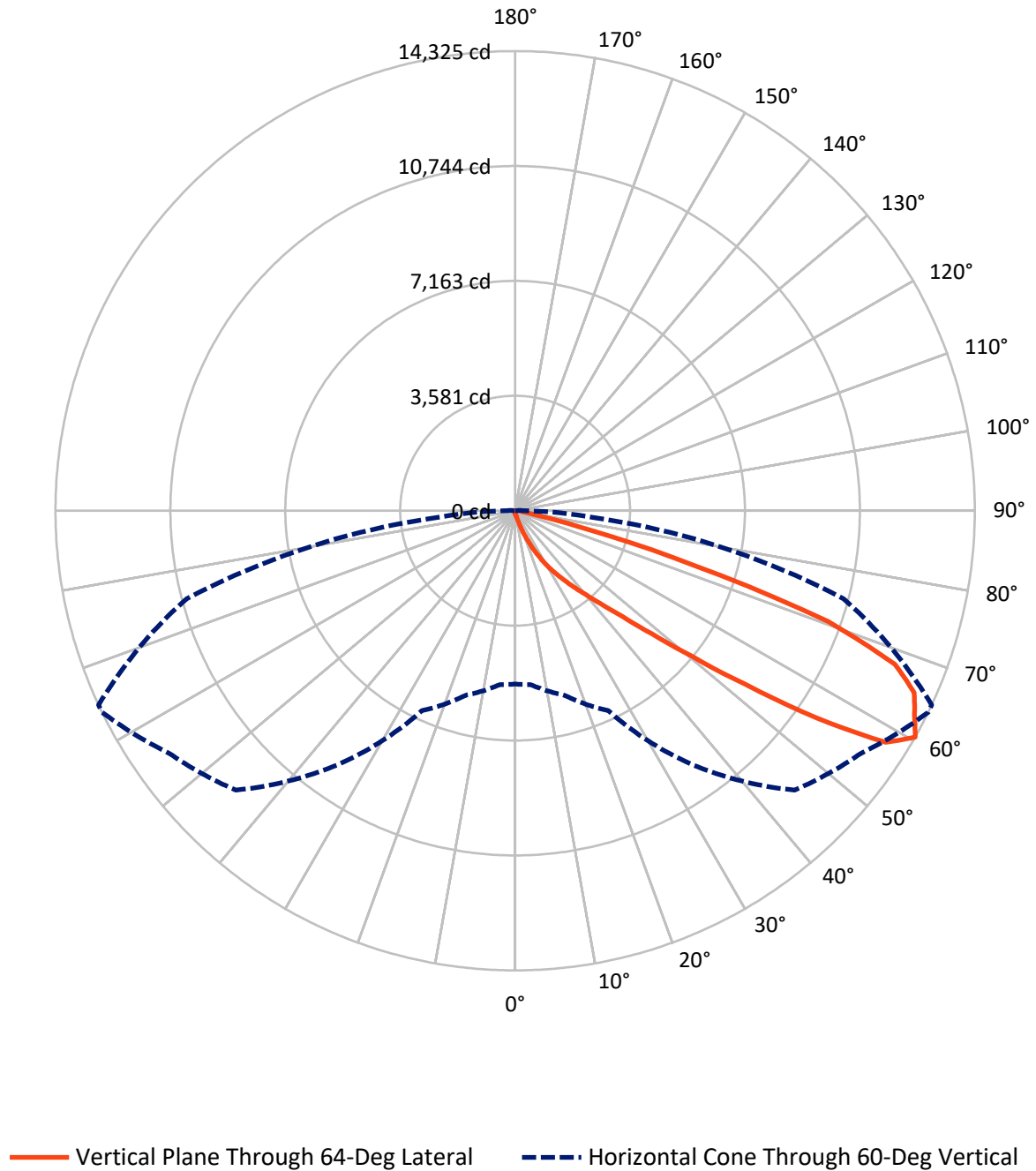


Based on 15 foot mounting height. Maximum calculated value = 18.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.7	0.0	51.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12694.1	0.0	12694.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	12745.7	0.0	12745.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.1
10°-20°	125.3	1.0
20°-30°	416.0	3.3
30°-40°	1110.0	8.7
40°-50°	2821.3	22.1
50°-60°	4112.9	32.3
60°-70°	3176.8	24.9
70°-80°	872.4	6.8
80°-90°	98.5	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°	12745.7	100.0
0°-180°	12745.7	100.0



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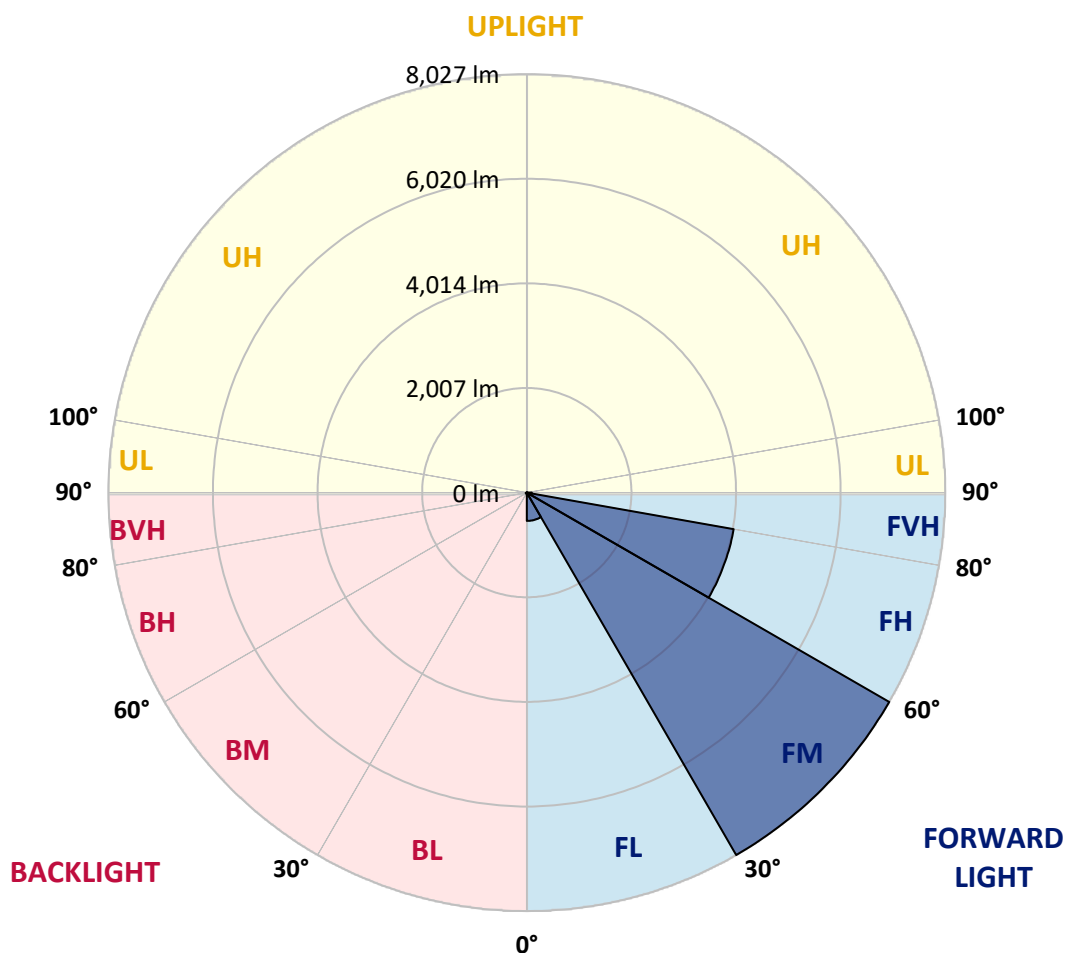
CATALOG NUMBER: NAV-SA4B-827-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	542.3	4.3			
FM	(30°-60°)	8027.0	63.0			
FH	(60°-80°)	4028.6	31.6			G2/5000
FVH	(80°-90°)	96.1	0.8			G1/100
BL	(0°-30°)	11.6	0.1	B0/110		
BM	(30°-60°)	17.1	0.1	B0/220		
BH	(60°-80°)	20.6	0.2	B0/110		G0/110
BVH	(80°-90°)	2.3	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 II Short



REPORT NUMBER: P1067330

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2.5°	112.3	112.3	112.3	108.8	105.3	105.3	101.7	98.2	98.2	91.2	87.7
5°	171.9	171.9	164.9	157.9	147.4	133.3	119.3	108.8	108.8	98.2	91.2
7.5°	336.8	347.3	315.8	277.2	224.5	189.5	150.9	126.3	122.8	105.3	91.2
10°	729.8	722.7	673.6	578.9	456.1	329.8	210.5	154.4	147.4	112.3	91.2
12.5°	1098.1	1108.7	1056.0	950.8	803.4	585.9	361.4	200.0	193.0	122.8	91.2
15°	1413.9	1413.9	1378.8	1326.2	1164.8	936.8	582.4	298.2	273.7	133.3	87.7
17.5°	1631.4	1627.9	1613.9	1599.9	1505.1	1270.1	891.1	477.1	421.0	157.9	87.7
20°	1877.0	1866.5	1884.0	1856.0	1782.3	1596.3	1217.4	708.7	656.1	200.0	87.7
22.5°	2133.1	2143.7	2157.7	2129.6	2048.9	1887.5	1561.3	1006.9	950.8	277.2	91.2
25°	2459.4	2452.4	2484.0	2459.4	2357.7	2168.2	1884.0	1333.2	1252.5	385.9	98.2
27.5°	2859.4	2845.4	2866.4	2803.3	2669.9	2477.0	2171.7	1666.5	1571.8	554.3	112.3
30°	3389.2	3399.7	3305.0	3231.3	3041.8	2785.7	2491.0	2024.4	1926.1	754.3	126.3
32.5°	4224.2	4150.5	4003.1	3704.9	3455.8	3129.5	2810.3	2336.6	2248.9	1010.4	147.4
35°	5525.8	5539.8	5217.1	4480.3	3940.0	3561.1	3161.1	2680.5	2617.3	1301.6	175.4
37.5°	7111.6	7073.0	6788.9	5859.1	4648.7	4097.9	3561.1	3055.9	2964.6	1617.4	210.5
40°	8908.0	8746.6	8581.7	7950.1	6125.8	4771.5	4066.3	3490.9	3420.7	1982.3	266.6
42.5°	10346.4	10304.3	10332.4	10069.3	8588.7	5918.8	4736.4	4024.2	3940.0	2434.9	364.9
45°	11055.1	10995.5	11163.9	11360.4	10981.5	8360.6	5817.0	4704.8	4592.6	2968.1	515.7
47.5°	10865.7	10823.6	11184.9	11570.9	12076.1	11192.0	7581.8	5722.3	5529.3	3652.3	740.3
50°	9932.4	9935.9	10528.9	11248.1	12048.0	12626.9	10195.6	7115.1	6873.1	4561.0	1091.1
52.5°	9023.7	9051.8	9679.8	10728.8	11630.5	12795.3	12490.1	8992.2	8599.2	5631.1	1505.1
55°	8090.5	8104.5	8658.9	10135.9	11434.0	12293.6	13668.9	11409.5	10992.0	6964.3	1908.6
57.5°	7192.3	7192.3	7399.3	8711.5	11220.0	12248.0	13528.6	13619.8	13279.5	8486.9	2206.8
60°	5403.0	5438.1	5953.8	6873.1	9676.3	12314.7	13170.7	14325.0	14325.0	10599.0	2434.9
62.5°	2729.6	2782.2	3424.2	4318.9	6638.0	11395.4	13226.9	13970.7	14026.8	12462.0	2954.1
65°	1280.6	1340.2	1684.1	2315.6	3571.6	8020.3	12644.5	13668.9	13651.4	12107.7	4048.8
67.5°	919.2	936.8	1052.5	1350.8	1922.6	3515.5	9651.7	12767.3	12774.3	10286.8	4655.7
70°	824.5	824.5	852.6	940.3	1157.8	1571.8	4690.8	10339.4	10841.1	7943.1	4315.4
72.5°	814.0	806.9	799.9	803.4	782.4	789.4	1610.4	5838.1	6553.8	5557.4	3441.8
75°	792.9	792.9	785.9	761.3	624.5	508.7	554.3	2361.2	2729.6	3711.9	2554.2
77.5°	628.0	691.2	764.8	719.2	571.9	382.4	322.8	684.1	863.1	2277.0	1852.5
80°	291.2	294.7	291.2	305.2	364.9	273.7	238.6	333.3	336.8	1263.0	1147.3
82.5°	210.5	214.0	203.5	182.4	161.4	147.4	196.5	245.6	263.1	578.9	428.0
85°	63.2	59.6	70.2	94.7	112.3	129.8	164.9	207.0	217.5	214.0	63.2
87.5°	28.1	28.1	35.1	49.1	66.7	98.2	143.8	189.5	193.0	221.0	17.5
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-SA4B-827-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2.5°	87.7	84.2	80.7	77.2	73.7	70.2	66.7	66.7	70.2	70.2	70.2
5°	84.2	80.7	73.7	66.7	63.2	59.6	56.1	56.1	59.6	59.6	59.6
7.5°	84.2	77.2	70.2	63.2	56.1	52.6	49.1	49.1	49.1	52.6	52.6
10°	84.2	77.2	66.7	56.1	49.1	45.6	42.1	38.6	42.1	42.1	42.1
12.5°	80.7	73.7	63.2	52.6	42.1	35.1	31.6	31.6	31.6	31.6	31.6
15°	77.2	70.2	59.6	45.6	35.1	28.1	21.1	21.1	21.1	24.6	24.6
17.5°	73.7	66.7	52.6	35.1	24.6	17.5	14.0	14.0	14.0	17.5	17.5
20°	73.7	63.2	45.6	28.1	17.5	10.5	7.0	7.0	7.0	10.5	14.0
22.5°	73.7	63.2	42.1	21.1	10.5	7.0	3.5	3.5	3.5	3.5	3.5
25°	73.7	59.6	38.6	17.5	7.0	3.5	0.0	0.0	3.5	7.0	10.5
27.5°	73.7	56.1	31.6	10.5	7.0	3.5	0.0	3.5	7.0	7.0	7.0
30°	73.7	56.1	28.1	10.5	3.5	0.0	0.0	3.5	7.0	7.0	10.5
32.5°	77.2	52.6	24.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	80.7	49.1	21.1	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	87.7	49.1	14.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	98.2	52.6	14.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	122.8	56.1	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	171.9	70.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	252.6	105.3	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	368.4	143.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	452.6	143.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	449.1	91.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	343.8	63.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	291.2	45.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	350.8	35.1	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	624.5	31.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1003.4	31.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1122.7	31.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	877.1	28.1	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	480.7	24.6	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	242.1	17.5	7.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	101.7	14.0	7.0	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0
82.5°	35.1	14.0	7.0	7.0	3.5	3.5	0.0	0.0	0.0	0.0	0.0
85°	17.5	10.5	10.5	7.0	7.0	3.5	3.5	0.0	0.0	0.0	0.0
87.5°	10.5	10.5	10.5	7.0	7.0	3.5	3.5	0.0	0.0	0.0	3.5
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 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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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)