

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: P1067318

Luminaire Tested: **NAV-SA1B-827-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067318
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-827-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3350.3 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 37.9
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

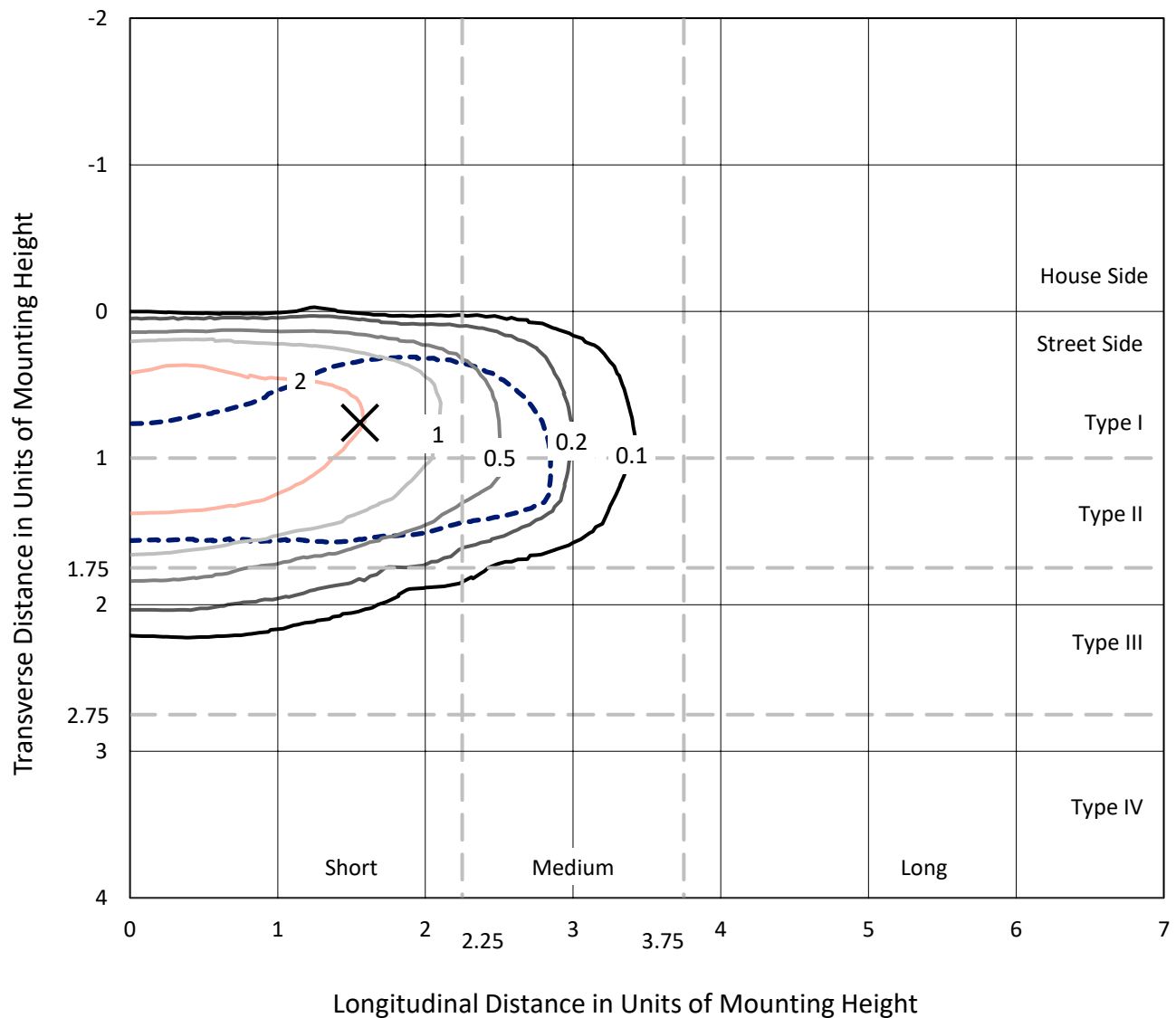


REPORT NUMBER: P1067318

CATALOG NUMBER: NAV-SA1B-827-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

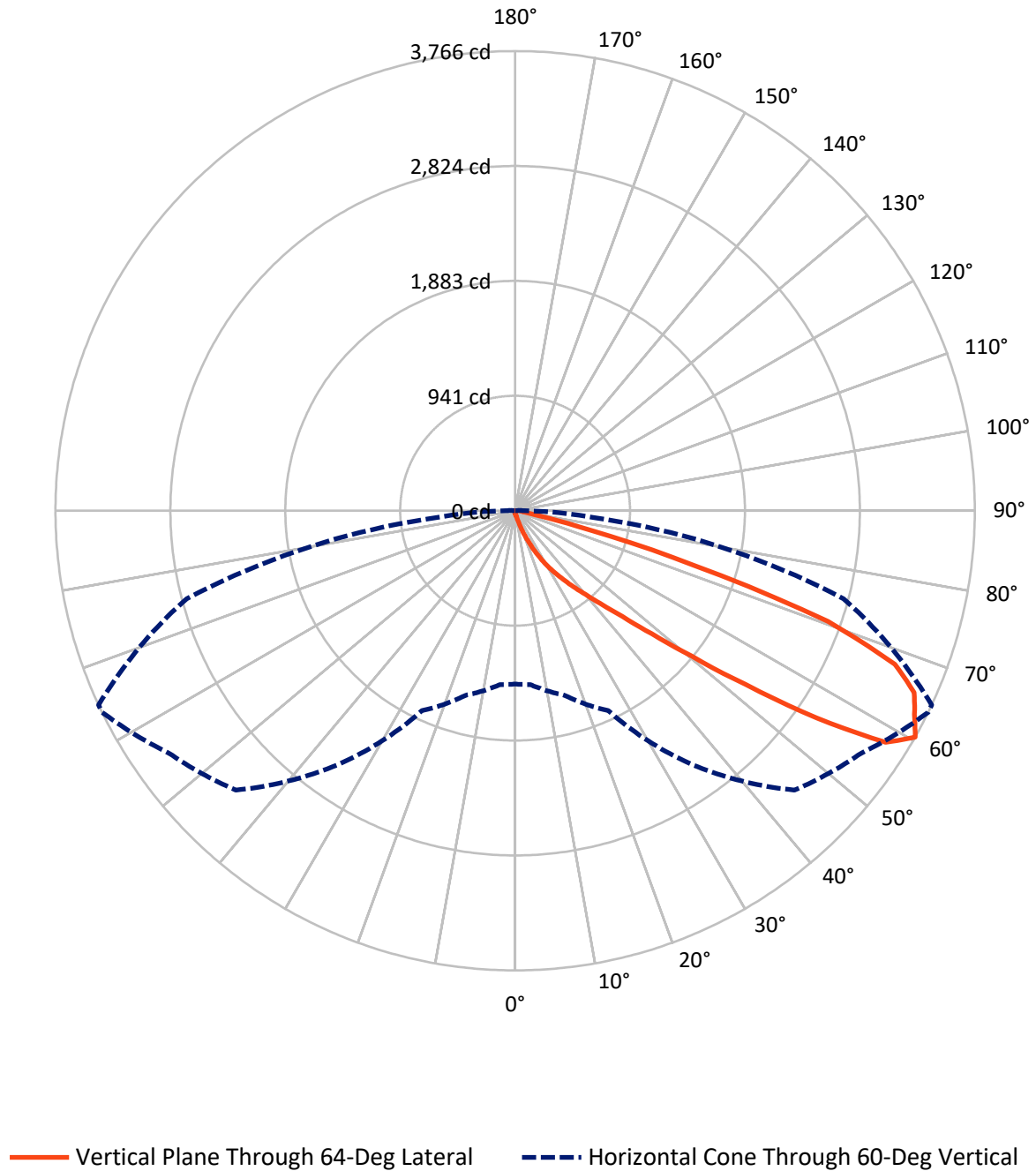


Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

REPORT NUMBER: P1067318

CATALOG NUMBER: NAV-SA1B-827-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067318

CATALOG NUMBER: NAV-SA1B-827-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13.6	0.0	13.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3336.8	0.0	3336.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	3350.3	0.0	3350.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	32.9	1.0
20°-30°	109.3	3.3
30°-40°	291.8	8.7
40°-50°	741.6	22.1
50°-60°	1081.1	32.3
60°-70°	835.1	24.9
70°-80°	229.3	6.8
80°-90°	25.9	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°	3350.3	100.0
0°-180°	3350.3	100.0



REPORT NUMBER: P1067318

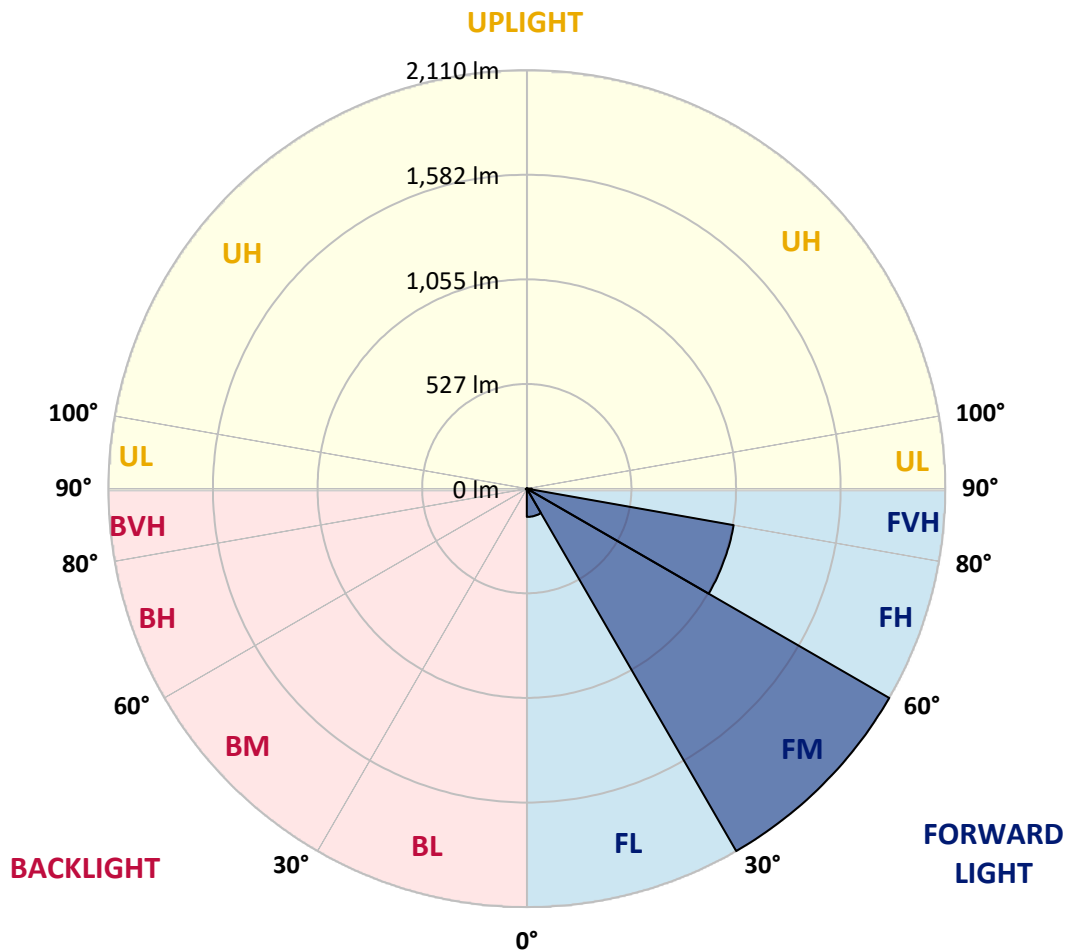
CATALOG NUMBER: NAV-SA1B-827-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.6	4.3			
FM	(30°-60°)	2110.0	63.0			
FH	(60°-80°)	1059.0	31.6			G1/1800
FVH	(80°-90°)	25.3	0.8			G1/100
BL	(0°-30°)	3.0	0.1	B0/110		
BM	(30°-60°)	4.5	0.1	B0/220		
BH	(60°-80°)	5.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1

Type II Short



REPORT NUMBER: P1067318

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
2.5°	29.5	29.5	29.5	28.6	27.7	27.7	26.7	25.8	25.8	24.0	23.1
5°	45.2	45.2	43.3	41.5	38.7	35.0	31.4	28.6	28.6	25.8	24.0
7.5°	88.5	91.3	83.0	72.9	59.0	49.8	39.7	33.2	32.3	27.7	24.0
10°	191.8	190.0	177.1	152.2	119.9	86.7	55.3	40.6	38.7	29.5	24.0
12.5°	288.7	291.4	277.6	249.9	211.2	154.0	95.0	52.6	50.7	32.3	24.0
15°	371.7	371.7	362.4	348.6	306.2	246.2	153.1	78.4	71.9	35.0	23.1
17.5°	428.8	427.9	424.2	420.5	395.6	333.8	234.2	125.4	110.7	41.5	23.1
20°	493.4	490.6	495.2	487.9	468.5	419.6	320.0	186.3	172.5	52.6	23.1
22.5°	560.7	563.5	567.2	559.8	538.6	496.2	410.4	264.7	249.9	72.9	24.0
25°	646.5	644.6	652.9	646.5	619.7	569.9	495.2	350.4	329.2	101.4	25.8
27.5°	751.6	747.9	753.5	736.9	701.8	651.1	570.9	438.1	413.2	145.7	29.5
30°	890.9	893.6	868.7	849.4	799.6	732.3	654.8	532.1	506.3	198.3	33.2
32.5°	1110.4	1091.0	1052.3	973.9	908.4	822.6	738.7	614.2	591.2	265.6	38.7
35°	1452.5	1456.2	1371.4	1177.7	1035.7	936.1	830.9	704.6	688.0	342.1	46.1
37.5°	1869.4	1859.2	1784.5	1540.1	1222.0	1077.2	936.1	803.3	779.3	425.1	55.3
40°	2341.5	2299.1	2255.8	2089.8	1610.2	1254.2	1068.9	917.6	899.2	521.1	70.1
42.5°	2719.7	2708.6	2716.0	2646.8	2257.6	1555.8	1245.0	1057.8	1035.7	640.0	95.9
45°	2906.0	2890.3	2934.5	2986.2	2886.6	2197.7	1529.1	1236.7	1207.2	780.2	135.6
47.5°	2856.2	2845.1	2940.1	3041.5	3174.3	2941.9	1992.9	1504.2	1453.4	960.0	194.6
50°	2610.8	2611.8	2767.6	2956.7	3166.9	3319.1	2680.0	1870.3	1806.7	1198.9	286.8
52.5°	2372.0	2379.4	2544.4	2820.2	3057.2	3363.4	3283.1	2363.7	2260.4	1480.2	395.6
55°	2126.7	2130.4	2276.1	2664.3	3005.6	3231.5	3593.0	2999.1	2889.4	1830.6	501.7
57.5°	1890.6	1890.6	1945.0	2289.9	2949.3	3219.5	3556.1	3580.1	3490.6	2230.9	580.1
60°	1420.2	1429.5	1565.0	1806.7	2543.5	3237.0	3462.1	3765.5	3765.5	2786.1	640.0
62.5°	717.5	731.3	900.1	1135.3	1744.9	2995.4	3476.8	3672.3	3687.1	3275.8	776.5
65°	336.6	352.3	442.7	608.7	938.8	2108.2	3323.7	3593.0	3588.4	3182.6	1064.3
67.5°	241.6	246.2	276.7	355.1	505.4	924.1	2537.1	3356.0	3357.8	2704.0	1223.8
70°	216.7	216.7	224.1	247.2	304.3	413.2	1233.0	2717.8	2849.7	2087.9	1134.3
72.5°	214.0	212.1	210.3	211.2	205.7	207.5	423.3	1534.6	1722.7	1460.8	904.7
75°	208.4	208.4	206.6	200.1	164.2	133.7	145.7	620.7	717.5	975.7	671.4
77.5°	165.1	181.7	201.0	189.1	150.3	100.5	84.8	179.8	226.9	598.5	486.9
80°	76.5	77.5	76.5	80.2	95.9	71.9	62.7	87.6	88.5	332.0	301.6
82.5°	55.3	56.3	53.5	48.0	42.4	38.7	51.6	64.6	69.2	152.2	112.5
85°	16.6	15.7	18.4	24.9	29.5	34.1	43.3	54.4	57.2	56.3	16.6
87.5°	7.4	7.4	9.2	12.9	17.5	25.8	37.8	49.8	50.7	58.1	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067318

CATALOG NUMBER: NAV-SA1B-827-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
2.5°	23.1	22.1	21.2	20.3	19.4	18.4	17.5	17.5	18.4	18.4	18.4
5°	22.1	21.2	19.4	17.5	16.6	15.7	14.8	14.8	15.7	15.7	15.7
7.5°	22.1	20.3	18.4	16.6	14.8	13.8	12.9	12.9	12.9	13.8	13.8
10°	22.1	20.3	17.5	14.8	12.9	12.0	11.1	10.1	11.1	11.1	11.1
12.5°	21.2	19.4	16.6	13.8	11.1	9.2	8.3	8.3	8.3	8.3	8.3
15°	20.3	18.4	15.7	12.0	9.2	7.4	5.5	5.5	5.5	6.5	6.5
17.5°	19.4	17.5	13.8	9.2	6.5	4.6	3.7	3.7	3.7	4.6	4.6
20°	19.4	16.6	12.0	7.4	4.6	2.8	1.8	1.8	1.8	2.8	3.7
22.5°	19.4	16.6	11.1	5.5	2.8	1.8	0.9	0.9	0.9	0.9	0.9
25°	19.4	15.7	10.1	4.6	1.8	0.9	0.0	0.0	0.9	1.8	2.8
27.5°	19.4	14.8	8.3	2.8	1.8	0.9	0.0	0.9	1.8	1.8	1.8
30°	19.4	14.8	7.4	2.8	0.9	0.0	0.0	0.9	1.8	1.8	2.8
32.5°	20.3	13.8	6.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	21.2	12.9	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	23.1	12.9	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	25.8	13.8	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	32.3	14.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	45.2	18.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	66.4	27.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	96.8	37.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	119.0	37.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	118.0	24.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	90.4	16.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	76.5	12.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	92.2	9.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	164.2	8.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	263.8	8.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	295.1	8.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	230.6	7.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	126.3	6.5	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	63.6	4.6	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	26.7	3.7	1.8	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	9.2	3.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	4.6	2.8	2.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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
 Rf: 82.2
 Rg: 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

REPORT NUMBER: SP1-2407-184-8

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			

REPORT NUMBER: SP1-2407-184-8

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			

REPORT NUMBER: SP1-2407-184-8

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			

REPORT NUMBER: SP1-2407-184-8

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)