

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: P1067086

Luminaire Tested: **NAV-SA3B-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067086
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3B-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10290 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 106.2
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

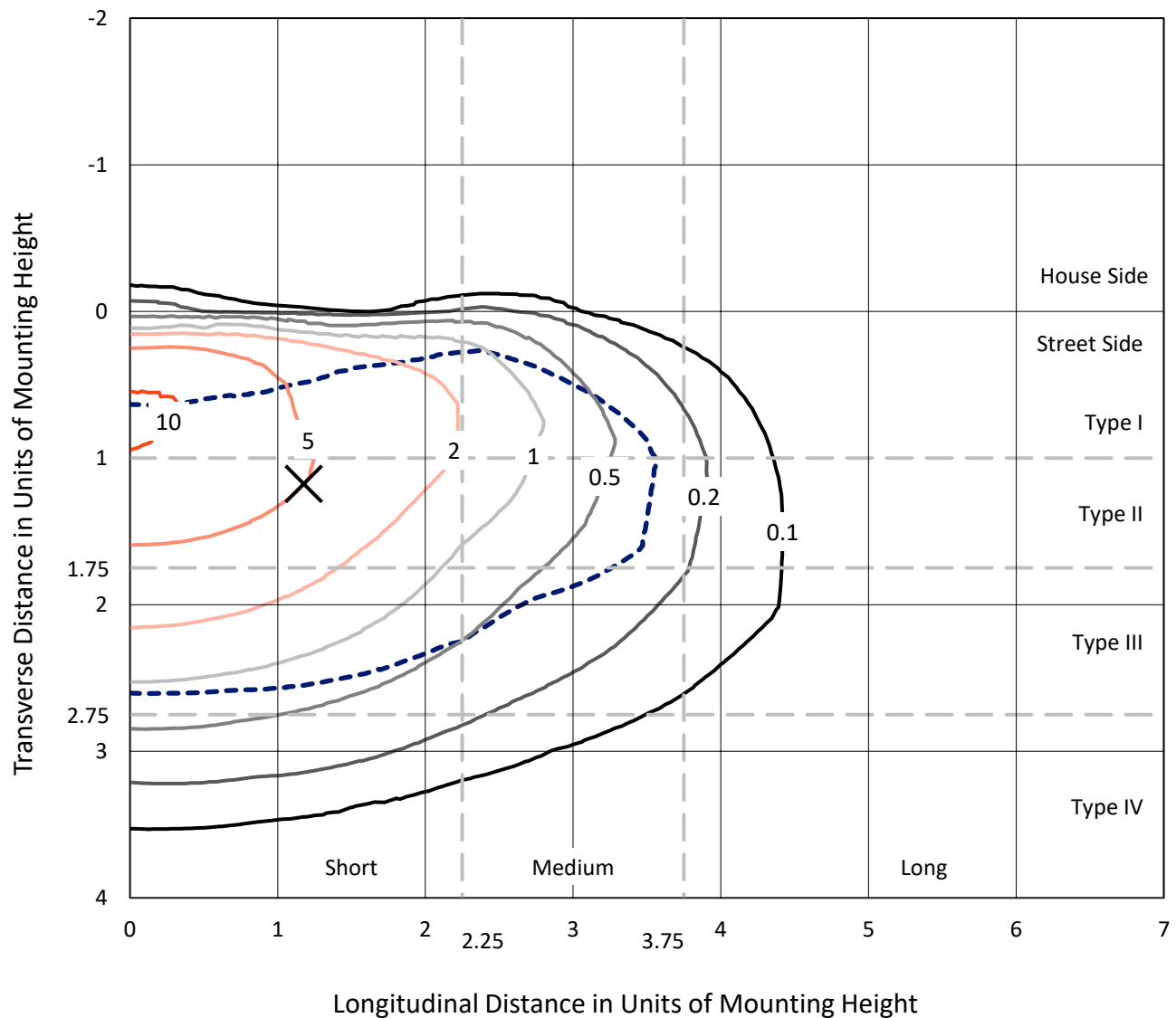


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

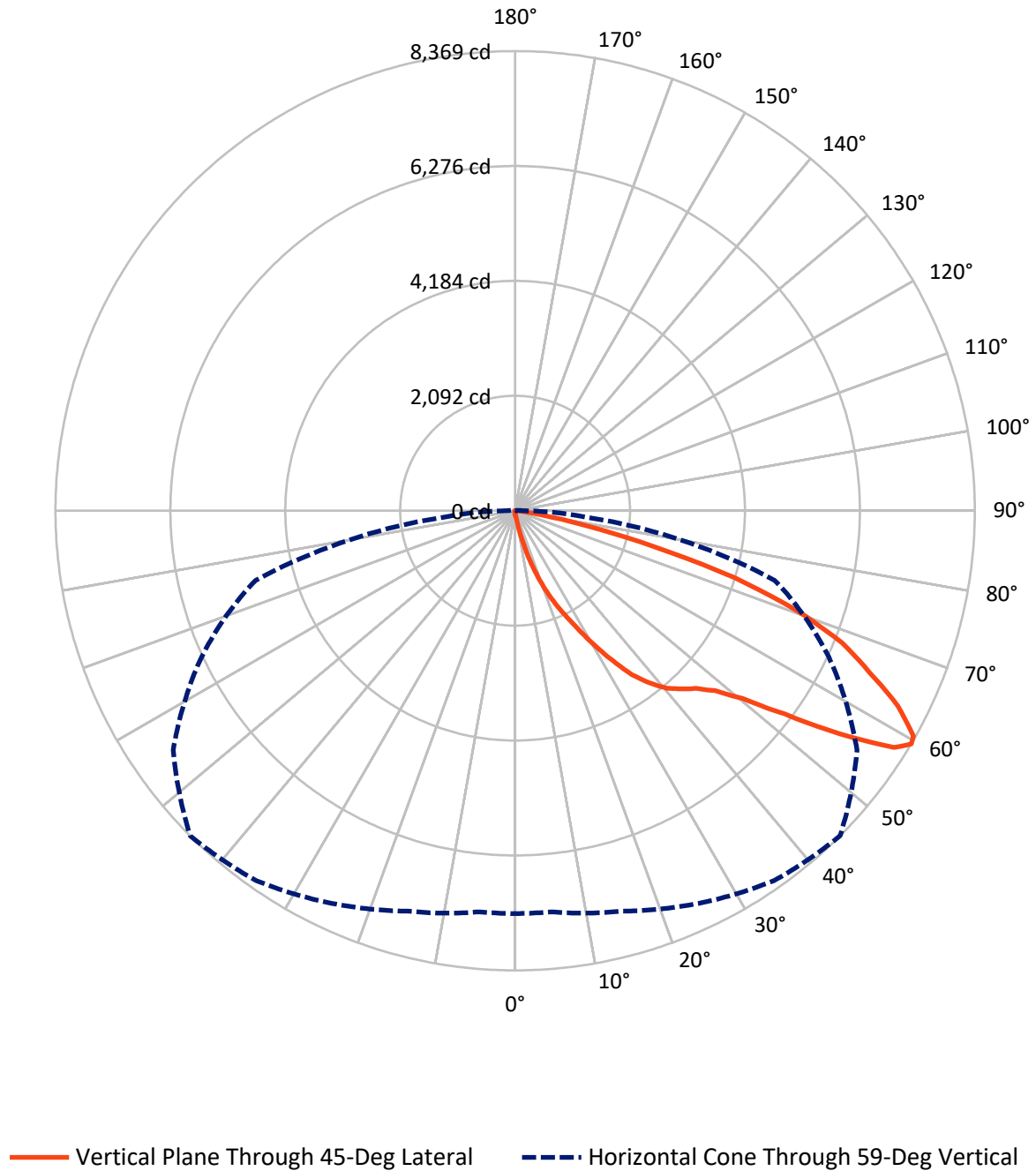


Based on 15 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.5	0.0	36.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10253.5	0.0	10253.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	10290.0	0.0	10290.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	113.7	1.1
20°-30°	408.7	4.0
30°-40°	949.6	9.2
40°-50°	1618.6	15.7
50°-60°	2667.0	25.9
60°-70°	3083.6	30.0
70°-80°	1324.8	12.9
80°-90°	114.5	1.1
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°	10290.0	100.0
0°-180°	10290.0	100.0



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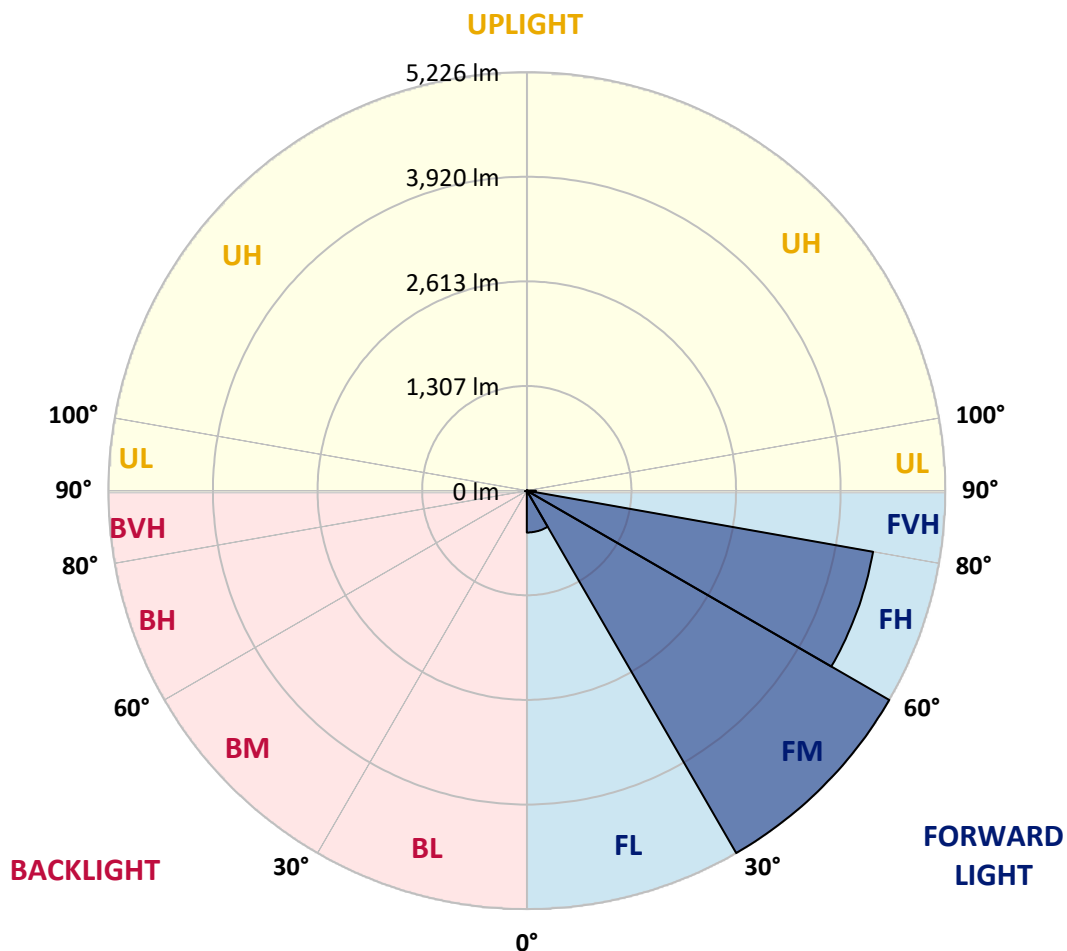
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.9	5.1			
FM	(30°-60°)	5226.3	50.8			
FH	(60°-80°)	4391.2	42.7			G2/5000
FVH	(80°-90°)	113.0	1.1			G2/225
BL	(0°-30°)	9.0	0.1	B0/110		
BM	(30°-60°)	8.8	0.1	B0/220		
BH	(60°-80°)	17.2	0.2	B0/110		G0/110
BVH	(80°-90°)	1.5	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
2.5°	84.4	84.4	82.3	79.6	78.9	76.8	76.8	74.7	72.0	69.9	67.1
5°	122.5	121.8	116.2	109.3	100.3	94.8	94.8	87.2	80.3	74.0	68.5
7.5°	267.8	261.5	241.5	208.3	164.7	135.6	133.5	108.6	92.0	79.6	69.2
10°	614.4	593.0	564.6	485.0	358.4	250.5	245.6	158.4	110.0	85.8	70.6
12.5°	1006.7	1024.0	967.3	842.0	694.0	516.2	481.6	267.1	145.3	94.1	72.0
15°	1363.7	1359.6	1327.8	1225.4	1054.5	817.8	796.4	464.3	208.3	107.2	73.3
17.5°	1630.8	1626.0	1595.5	1529.8	1398.3	1161.7	1143.0	740.3	326.6	125.9	74.7
20°	1912.4	1906.2	1863.3	1810.7	1695.9	1494.5	1472.4	1048.9	511.3	156.4	74.7
22.5°	2250.1	2238.3	2192.6	2103.4	1982.3	1807.3	1787.2	1364.4	740.3	206.2	78.2
25°	2658.3	2638.2	2575.3	2495.0	2349.0	2116.5	2095.1	1715.9	1016.4	281.6	81.6
27.5°	3123.9	3127.4	3042.3	2906.7	2710.9	2473.6	2433.4	2030.7	1302.2	389.5	85.8
30°	3676.8	3642.2	3522.5	3364.7	3174.5	2872.1	2833.3	2344.2	1623.2	548.7	92.7
32.5°	4194.3	4157.0	3995.7	3797.2	3593.1	3274.1	3242.3	2696.4	1915.2	736.9	105.2
35°	4638.5	4612.2	4386.7	4144.5	3963.2	3678.2	3668.5	3089.4	2258.4	939.6	119.0
37.5°	5029.5	4981.7	4691.8	4440.6	4256.6	4001.3	3980.5	3449.1	2589.1	1174.9	139.8
40°	5362.9	5336.7	4983.1	4653.1	4503.6	4275.3	4249.0	3764.7	2930.9	1448.2	165.4
42.5°	5720.0	5685.4	5342.2	4972.0	4696.6	4452.4	4435.1	4024.8	3235.3	1748.4	203.4
45°	6123.4	6059.0	5758.0	5425.9	5007.3	4635.8	4616.4	4256.6	3547.4	2070.9	249.8
47.5°	6554.4	6498.4	6254.8	6021.6	5540.1	4938.1	4896.6	4453.8	3857.4	2443.1	308.6
50°	6993.1	6994.5	6811.8	6699.7	6191.2	5429.4	5370.6	4743.7	4183.3	2841.7	395.8
52.5°	7503.7	7516.8	7514.1	7431.1	7036.7	6232.7	6153.8	5183.7	4561.7	3306.6	516.2
55°	7717.5	7741.0	7893.9	8078.0	7970.7	7251.2	7166.7	5942.8	5063.4	3824.8	694.7
57.5°	7542.4	7568.7	7779.8	8102.2	8348.5	8143.0	8133.3	6930.8	5724.1	4453.1	986.7
59°	7334.2	7330.7	7547.3	7889.1	8221.2	8354.7	8368.6	7599.2	6299.8	4893.8	1238.5
60°	7195.8	7198.6	7342.5	7693.3	8046.2	8277.9	8331.9	7992.9	6636.1	5210.7	1454.4
62.5°	6661.7	6693.5	6807.6	7133.5	7468.4	7727.2	7819.2	8343.7	7598.5	5959.4	2205.1
65°	6081.1	6083.2	6245.8	6524.7	6845.7	7027.7	7085.8	7797.8	8241.3	6721.8	3189.7
67.5°	5045.4	5087.6	5272.3	5724.1	6148.3	6378.7	6422.9	6787.6	7974.9	7218.6	3683.0
70°	3530.8	3586.1	3849.8	4435.8	5067.5	5446.0	5443.2	5642.5	7018.7	6997.2	3122.6
72.5°	1763.0	1858.5	2073.6	2701.2	3466.4	4060.8	4186.0	4538.9	5638.3	5812.0	2329.6
75°	779.1	784.6	907.1	1223.3	1722.8	2477.7	2589.8	3602.7	4325.8	4039.3	1682.7
77.5°	453.2	457.3	479.5	549.4	698.1	1214.3	1340.2	2362.9	3056.8	2347.6	1097.4
80°	164.7	168.8	168.1	208.3	305.8	478.1	532.8	1145.1	2039.0	1236.4	575.0
82.5°	101.0	101.0	97.6	98.3	111.4	183.4	200.7	487.8	992.9	608.9	164.7
85°	49.8	52.6	56.0	63.0	74.7	90.6	96.2	139.8	334.2	147.4	39.4
87.5°	29.8	30.4	33.2	40.1	49.8	65.0	69.2	94.8	119.7	98.9	9.7
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-SA3B-827-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
2.5°	65.7	65.0	61.6	58.8	56.0	53.3	51.2	49.1	49.1	49.8	49.1
5°	65.7	63.0	57.4	52.6	48.4	45.0	41.5	38.7	38.1	38.1	38.7
7.5°	65.0	61.6	54.0	47.7	42.2	37.4	33.9	30.4	29.8	30.4	29.8
10°	64.3	60.2	51.2	43.6	36.0	31.1	26.3	22.8	22.8	22.8	23.5
12.5°	64.3	58.1	48.4	39.4	31.1	25.6	20.8	17.3	16.6	16.6	16.6
15°	63.7	56.7	45.7	34.6	26.3	19.4	15.2	11.8	11.8	11.8	11.8
17.5°	62.3	54.7	42.2	30.4	20.8	14.5	10.4	6.9	6.9	8.3	8.3
20°	60.9	52.6	38.1	24.9	17.3	11.1	6.9	4.2	4.2	6.2	6.9
22.5°	61.6	52.6	35.3	22.1	13.8	8.3	5.5	3.5	2.8	4.8	6.2
25°	62.3	51.2	31.8	19.4	10.4	6.2	4.2	1.4	0.7	1.4	2.1
27.5°	62.3	49.8	27.7	15.2	7.6	4.8	2.1	0.0	0.0	0.0	0.0
30°	61.6	47.7	24.2	12.5	5.5	2.8	0.7	0.0	0.0	0.0	0.0
32.5°	60.9	45.7	22.1	9.7	4.8	1.4	0.0	0.0	0.0	0.0	0.0
35°	61.6	42.9	19.4	7.6	2.8	0.0	0.0	0.0	0.0	0.0	1.4
37.5°	63.7	40.1	16.6	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	66.4	38.1	13.8	4.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	72.0	38.1	12.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	78.9	38.1	10.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.9	38.7	9.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	98.9	40.1	8.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	107.2	38.7	7.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	121.8	37.4	6.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	141.1	35.3	6.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	160.5	32.5	6.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	182.7	31.1	6.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	301.7	27.7	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	582.6	26.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	941.7	26.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	990.1	26.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	658.7	21.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	352.9	19.4	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	190.3	18.0	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	83.7	13.1	3.5	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.2	9.0	4.2	3.5	2.8	1.4	0.0	0.0	0.0	0.0	0.0
85°	15.9	6.9	5.5	4.8	3.5	2.1	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	6.9	6.2	5.5	4.8	3.5	0.7	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
 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

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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 [^] /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)