

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: P1067089

Luminaire Tested: **NAV-SA4A-827-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067089
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-827-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10864.8 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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

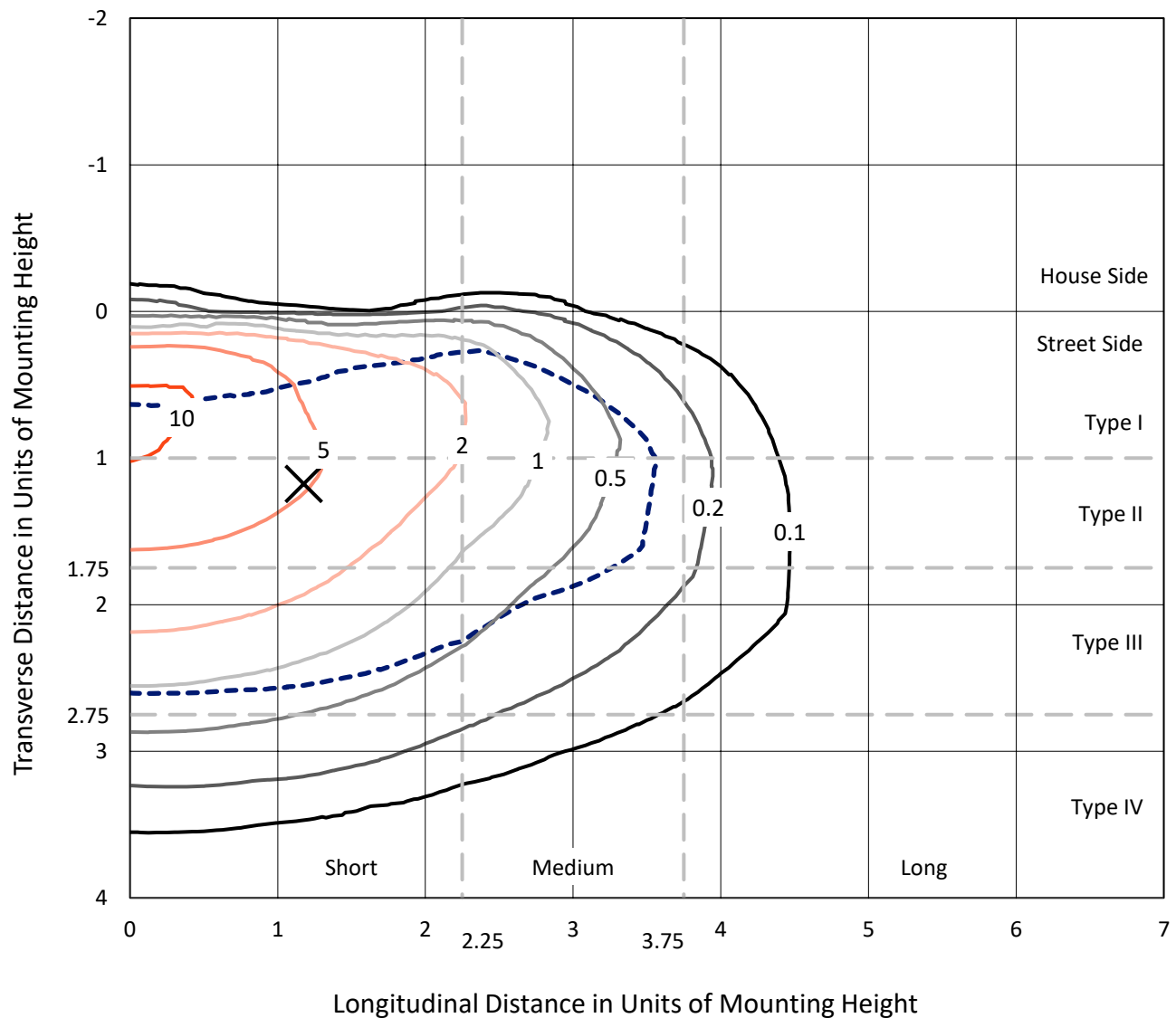


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

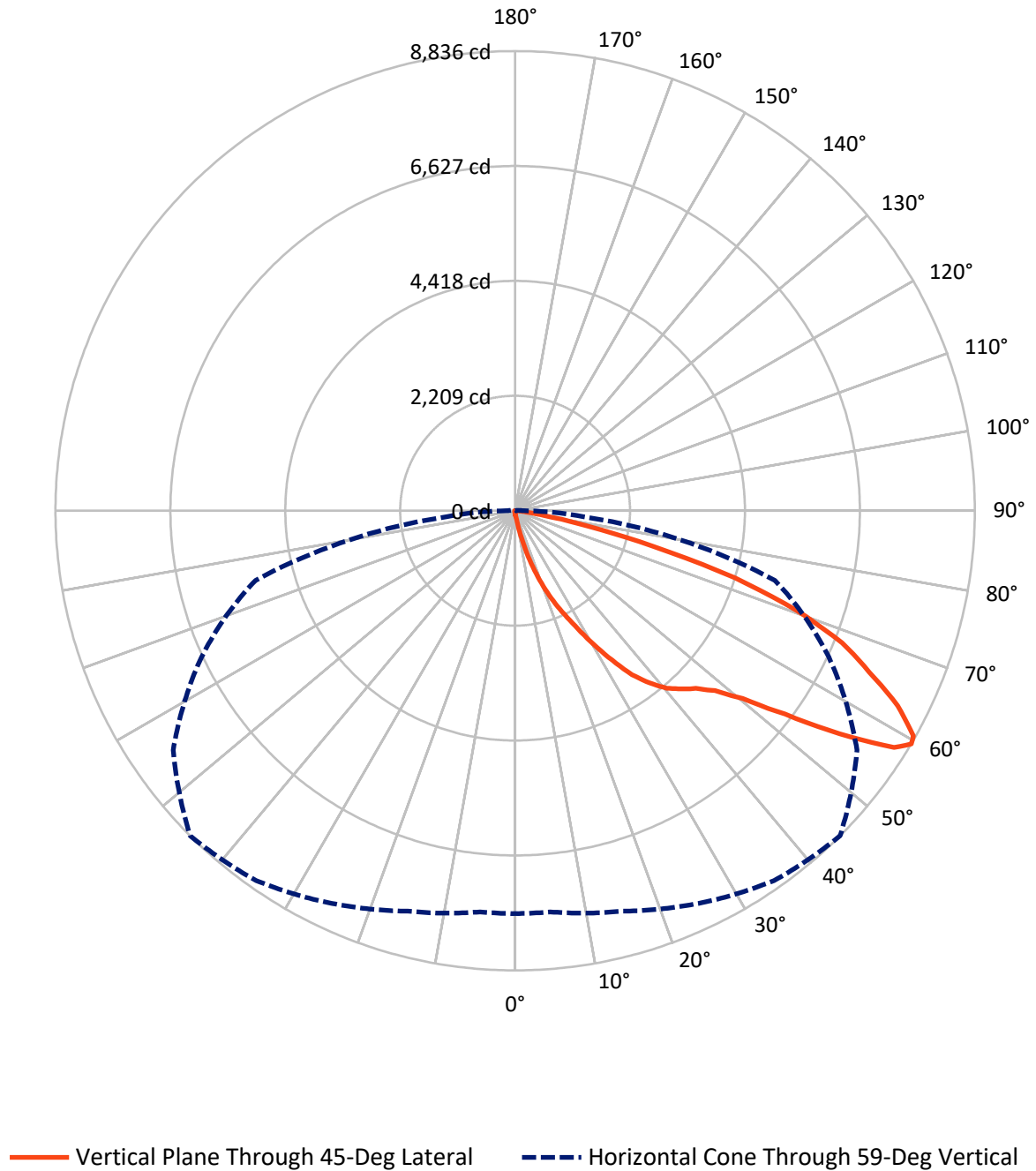


Based on 15 foot mounting height. Maximum calculated value = 11.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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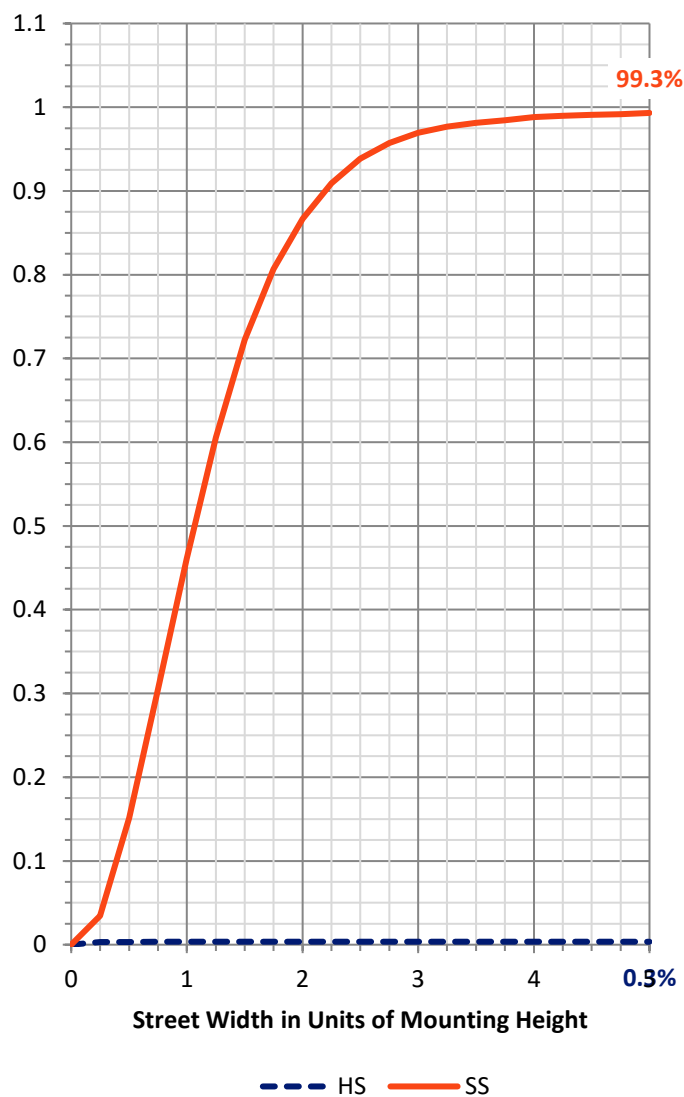
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.6	0.0	38.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	10826.2	0.0	10826.2
	% Fixture	99.6	0.0	99.6
Total	Lumens	10864.8	0.0	10864.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.1
10°-20°	120.1	1.1
20°-30°	431.5	4.0
30°-40°	1002.7	9.2
40°-50°	1709.0	15.7
50°-60°	2815.9	25.9
60°-70°	3255.8	30.0
70°-80°	1398.8	12.9
80°-90°	120.9	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°	10864.8	100.0
0°-180°	10864.8	100.0



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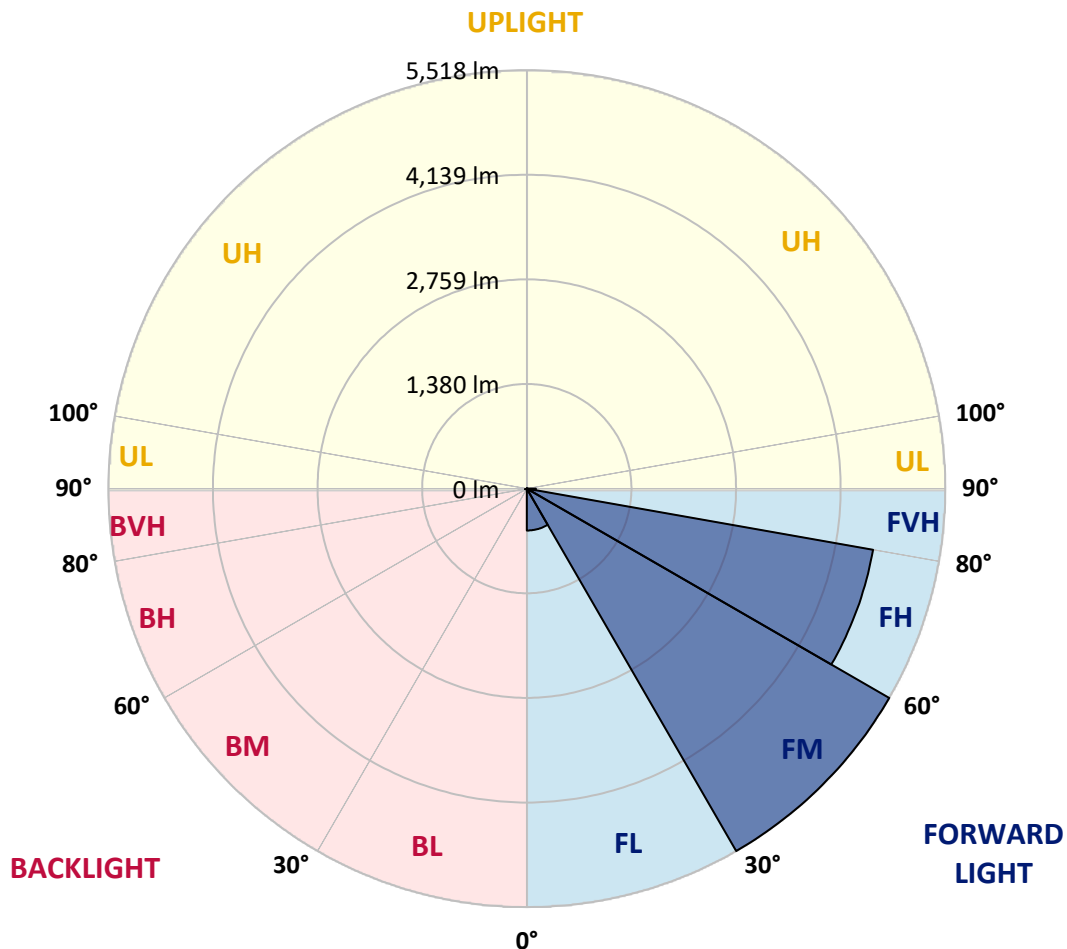
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	552.2	5.1			
FM	(30°-60°)	5518.2	50.8			
FH	(60°-80°)	4636.5	42.7			G2/5000
FVH	(80°-90°)	119.3	1.1			G2/225
BL	(0°-30°)	9.5	0.1	B0/110		
BM	(30°-60°)	9.3	0.1	B0/220		
BH	(60°-80°)	18.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	89.1	89.1	86.9	84.0	83.3	81.1	81.1	78.9	76.0	73.8	70.9
5°	129.3	128.6	122.7	115.4	105.9	100.1	100.1	92.0	84.7	78.2	72.3
7.5°	282.7	276.1	255.0	219.9	173.9	143.2	141.0	114.7	97.2	84.0	73.1
10°	648.7	626.1	596.1	512.1	378.4	264.5	259.3	167.3	116.2	90.6	74.5
12.5°	1063.0	1081.2	1021.3	889.1	732.7	545.0	508.5	282.0	153.4	99.4	76.0
15°	1439.9	1435.5	1401.9	1293.8	1113.4	863.5	840.9	490.2	219.9	113.2	77.4
17.5°	1721.9	1716.8	1684.7	1615.3	1476.4	1226.6	1206.9	781.7	344.8	133.0	78.9
20°	2019.2	2012.7	1967.4	1911.9	1790.6	1578.0	1554.6	1107.5	539.9	165.1	78.9
22.5°	2375.8	2363.3	2315.1	2220.9	2093.0	1908.2	1887.0	1440.6	781.7	217.7	82.6
25°	2806.8	2785.6	2719.1	2634.4	2480.2	2234.8	2212.1	1811.8	1073.2	297.3	86.2
27.5°	3298.4	3302.1	3212.2	3069.0	2862.3	2611.7	2569.4	2144.2	1374.9	411.3	90.6
30°	3882.2	3845.6	3719.2	3552.7	3351.8	3032.5	2991.6	2475.1	1713.9	579.3	97.9
32.5°	4428.6	4389.2	4218.9	4009.3	3793.8	3457.0	3423.4	2847.0	2022.2	778.0	111.0
35°	4897.6	4869.9	4631.7	4376.0	4184.6	3883.6	3873.4	3261.9	2384.5	992.1	125.7
37.5°	5310.4	5260.0	4953.9	4688.7	4494.4	4224.8	4202.9	3641.8	2733.7	1240.5	147.6
40°	5662.5	5634.7	5261.4	4913.0	4755.2	4514.1	4486.3	3974.9	3094.6	1529.0	174.6
42.5°	6039.5	6002.9	5640.6	5249.7	4959.0	4701.1	4682.8	4249.6	3416.1	1846.1	214.8
45°	6465.4	6397.4	6079.7	5729.0	5287.0	4894.7	4874.2	4494.4	3745.5	2186.5	263.7
47.5°	6920.5	6861.3	6604.2	6358.0	5849.5	5213.9	5170.1	4702.6	4072.8	2579.6	325.8
50°	7383.7	7385.2	7192.3	7073.9	6537.0	5732.6	5670.5	5008.7	4416.9	3000.4	417.9
52.5°	7922.8	7936.7	7933.8	7846.1	7429.7	6580.8	6497.5	5473.3	4816.5	3491.3	545.0
55°	8148.6	8173.4	8334.9	8529.2	8416.0	7656.2	7567.1	6274.7	5346.2	4038.5	733.5
57.5°	7963.7	7991.5	8214.3	8554.8	8814.8	8597.9	8587.6	7317.9	6043.9	4701.8	1041.8
59°	7743.9	7740.2	7968.9	8329.8	8680.4	8821.4	8836.0	8023.7	6651.7	5167.2	1307.7
60°	7597.7	7600.7	7752.6	8123.0	8495.6	8740.3	8797.3	8439.3	7006.7	5501.8	1535.6
62.5°	7033.8	7067.4	7187.9	7532.0	7885.6	8158.8	8256.0	8809.7	8022.9	6292.2	2328.3
65°	6420.8	6423.0	6594.7	6889.1	7228.1	7420.2	7481.6	8233.3	8701.6	7097.3	3367.8
67.5°	5327.2	5371.7	5566.8	6043.9	6491.7	6735.0	6781.7	7166.7	8420.3	7621.8	3888.7
70°	3728.0	3786.5	4064.8	4683.6	5350.6	5750.2	5747.3	5957.7	7410.7	7388.1	3297.0
72.5°	1861.4	1962.3	2189.5	2852.1	3660.1	4287.6	4419.8	4792.4	5953.3	6136.6	2459.8
75°	822.6	828.4	957.8	1291.6	1819.1	2616.1	2734.5	3804.0	4567.4	4265.0	1776.7
77.5°	478.5	482.9	506.3	580.1	737.1	1282.1	1415.1	2494.8	3227.6	2478.8	1158.7
80°	173.9	178.3	177.5	219.9	322.9	504.8	562.5	1209.1	2152.9	1305.5	607.1
82.5°	106.7	106.7	103.0	103.7	117.6	193.6	211.9	515.0	1048.3	642.9	173.9
85°	52.6	55.5	59.2	66.5	78.9	95.7	101.5	147.6	352.9	155.6	41.6
87.5°	31.4	32.1	35.1	42.4	52.6	68.7	73.1	100.1	126.4	104.5	10.2
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°	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2.5°	69.4	68.7	65.0	62.1	59.2	56.3	54.1	51.9	51.9	52.6	51.9
5°	69.4	66.5	60.6	55.5	51.1	47.5	43.8	40.9	40.2	40.2	40.9
7.5°	68.7	65.0	57.0	50.4	44.6	39.4	35.8	32.1	31.4	32.1	31.4
10°	67.9	63.6	54.1	46.0	38.0	32.9	27.8	24.1	24.1	24.1	24.8
12.5°	67.9	61.4	51.1	41.6	32.9	27.0	21.9	18.3	17.5	17.5	17.5
15°	67.2	59.9	48.2	36.5	27.8	20.5	16.1	12.4	12.4	12.4	12.4
17.5°	65.7	57.7	44.6	32.1	21.9	15.3	11.0	7.3	7.3	8.8	8.8
20°	64.3	55.5	40.2	26.3	18.3	11.7	7.3	4.4	4.4	6.6	7.3
22.5°	65.0	55.5	37.3	23.4	14.6	8.8	5.8	3.7	2.9	5.1	6.6
25°	65.7	54.1	33.6	20.5	11.0	6.6	4.4	1.5	0.7	1.5	2.2
27.5°	65.7	52.6	29.2	16.1	8.0	5.1	2.2	0.0	0.0	0.0	0.0
30°	65.0	50.4	25.6	13.1	5.8	2.9	0.7	0.0	0.0	0.0	0.0
32.5°	64.3	48.2	23.4	10.2	5.1	1.5	0.0	0.0	0.0	0.0	0.0
35°	65.0	45.3	20.5	8.0	2.9	0.0	0.0	0.0	0.0	0.0	1.5
37.5°	67.2	42.4	17.5	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0
40°	70.1	40.2	14.6	5.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	76.0	40.2	13.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	83.3	40.2	11.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	92.8	40.9	9.5	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	104.5	42.4	8.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	113.2	40.9	8.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	128.6	39.4	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	149.0	37.3	7.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	169.5	34.3	7.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	192.9	32.9	6.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	318.5	29.2	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	615.1	27.8	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	994.3	27.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1045.4	27.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	695.5	22.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	372.6	20.5	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	200.9	19.0	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	88.4	13.9	3.7	2.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	35.1	9.5	4.4	3.7	2.9	1.5	0.0	0.0	0.0	0.0	0.0
85°	16.8	7.3	5.8	5.1	3.7	2.2	0.0	0.0	0.0	0.0	0.0
87.5°	8.0	7.3	6.6	5.8	5.1	3.7	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
 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)