

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: P1067611

Luminaire Tested: **NAV-SA2C-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067611
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2C-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 2xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9786.7 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 96.2
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

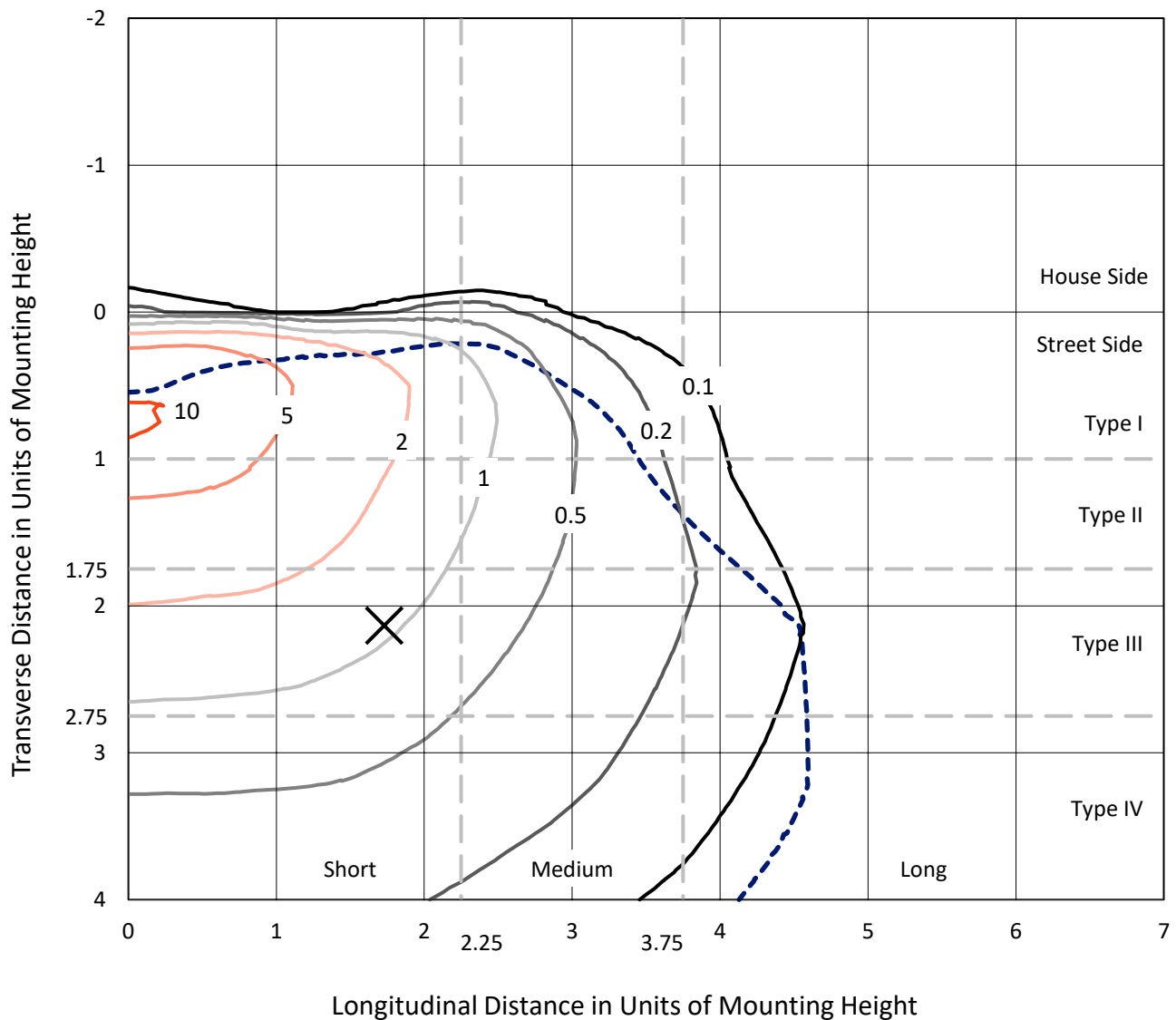


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

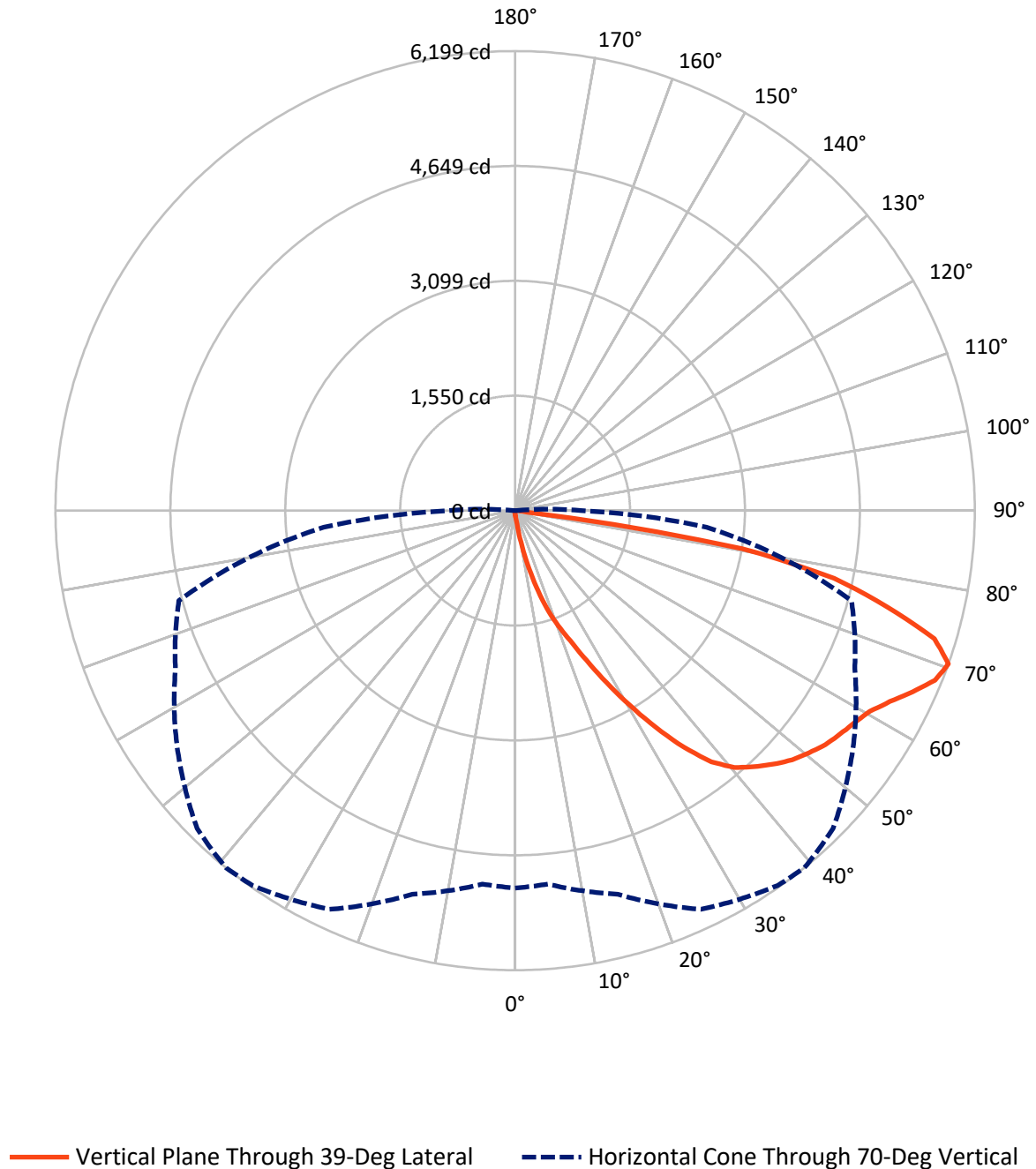


Based on 15 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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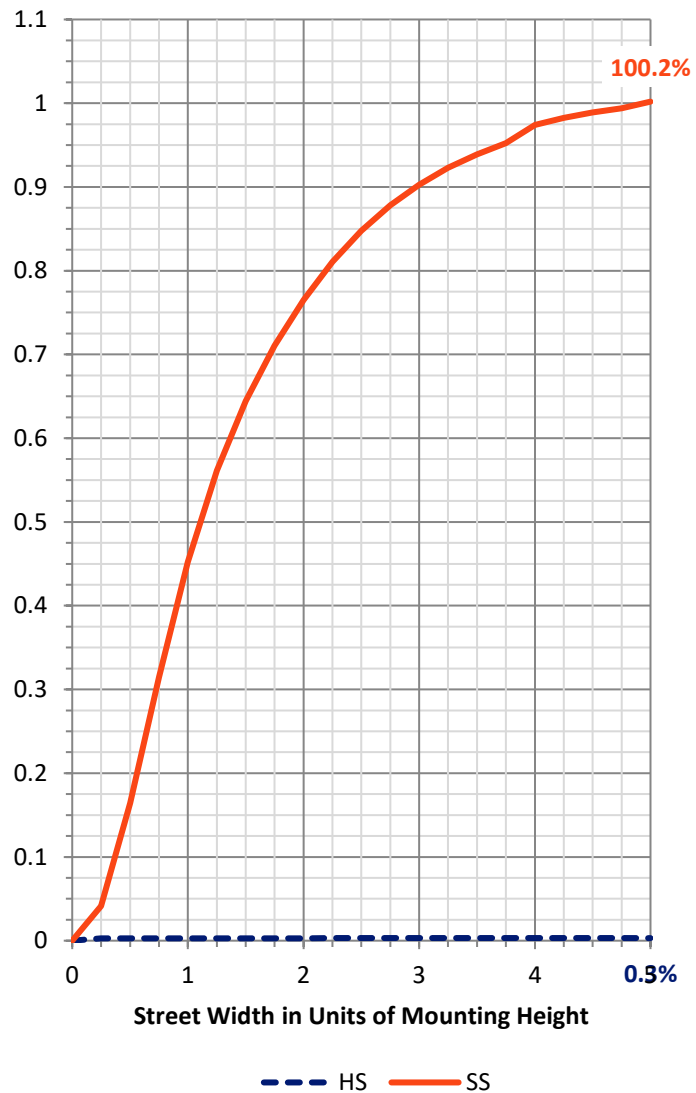
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30.1	0.0	30.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	9756.6	0.0	9756.6
	% Fixture	99.7	0.0	99.7
Total	Lumens	9786.7	0.0	9786.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	120.3	1.2
20°-30°	408.3	4.2
30°-40°	959.6	9.8
40°-50°	1558.1	15.9
50°-60°	1974.4	20.2
60°-70°	2508.1	25.6
70°-80°	2037.8	20.8
80°-90°	209.8	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°	9786.7	100.0
0°-180°	9786.7	100.0



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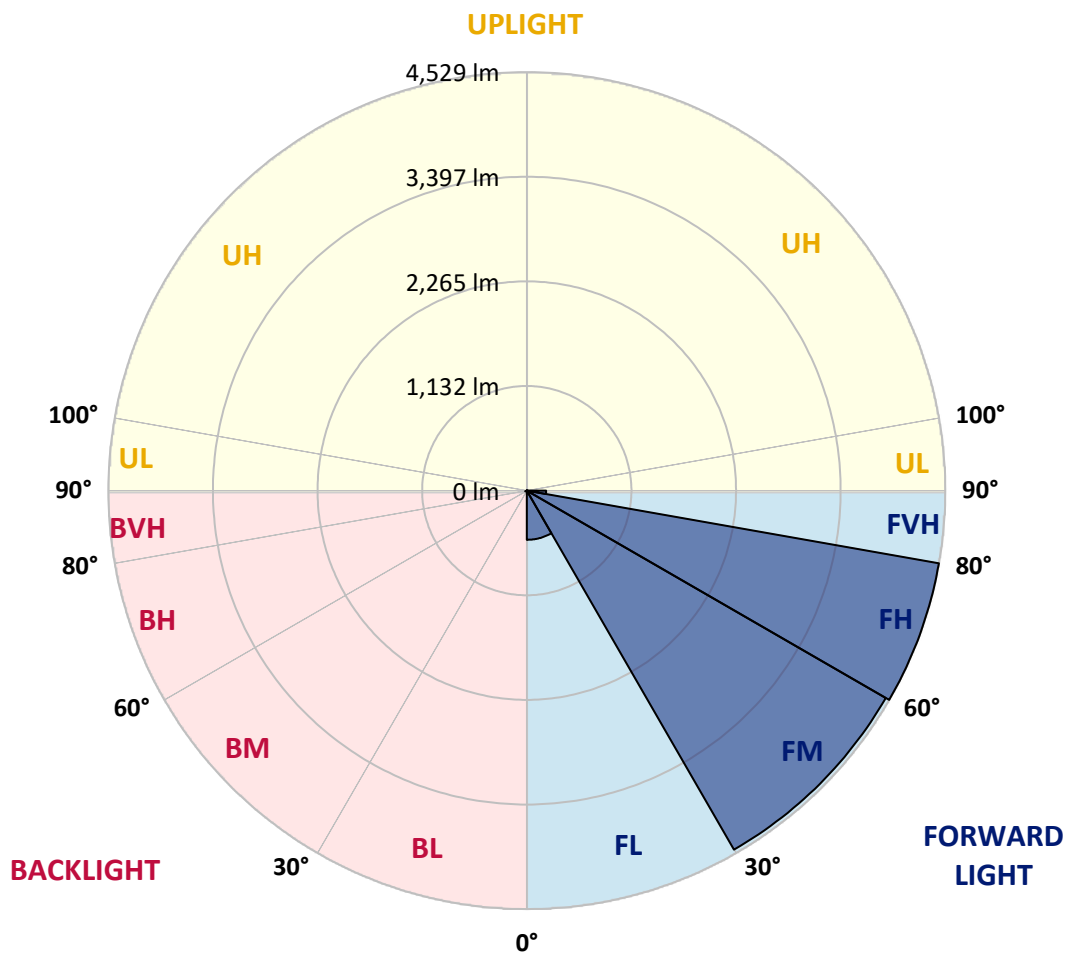
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	532.4	5.4			
FM	(30°-60°)	4486.3	45.8			
FH	(60°-80°)	4529.3	46.3			G2/5000
FVH	(80°-90°)	208.6	2.1			G2/225
BL	(0°-30°)	6.5	0.1	B0/110		
BM	(30°-60°)	5.8	0.1	B0/220		
BH	(60°-80°)	16.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	69.1	69.1	69.1	66.4	66.4	63.8	63.8	61.1	58.5	58.5	55.8
5°	130.2	132.9	124.9	108.9	98.3	93.0	87.7	74.4	66.4	61.1	55.8
7.5°	356.0	345.4	329.5	276.3	212.6	180.7	154.1	108.9	79.7	63.8	55.8
10°	749.3	720.1	674.9	603.2	478.3	427.8	332.1	199.3	111.6	71.7	55.8
12.5°	1100.0	1105.3	1049.5	980.5	829.0	744.0	613.8	374.6	175.4	85.0	55.8
15°	1365.7	1360.4	1339.2	1283.4	1147.8	1065.5	948.6	629.7	294.9	106.3	58.5
17.5°	1575.6	1554.4	1546.4	1522.5	1434.8	1389.6	1262.1	927.3	467.6	143.5	61.1
20°	1785.5	1780.2	1772.3	1745.7	1687.2	1655.3	1557.0	1227.6	696.1	204.6	66.4
22.5°	2091.1	2061.9	2067.2	2008.7	1960.9	1905.1	1825.4	1546.4	959.2	292.3	74.4
25°	2449.8	2447.2	2404.6	2378.1	2298.4	2237.2	2131.0	1854.6	1251.5	422.5	82.4
27.5°	2872.3	2843.1	2824.5	2779.3	2696.9	2627.8	2481.7	2160.2	1567.7	568.6	93.0
30°	3313.4	3313.4	3278.8	3209.7	3130.0	3045.0	2896.2	2481.7	1881.2	754.6	106.3
32.5°	3828.8	3839.4	3754.4	3650.8	3547.2	3488.7	3294.8	2845.7	2181.4	967.2	122.2
35°	4328.3	4315.1	4174.2	4060.0	3982.9	3919.2	3754.4	3244.3	2521.5	1214.3	143.5
37.5°	4806.6	4772.1	4538.3	4376.2	4341.6	4299.1	4134.4	3642.8	2859.0	1488.0	170.1
40°	5149.4	5096.2	4854.4	4631.3	4580.8	4556.9	4429.3	4004.2	3215.0	1793.5	204.6
42.5°	5298.2	5237.1	5069.7	4889.0	4777.4	4721.6	4610.0	4299.1	3571.1	2133.6	255.1
45°	5327.4	5279.6	5160.0	5117.5	4966.0	4881.0	4729.6	4509.0	3903.2	2471.1	324.2
47.5°	5221.1	5199.9	5128.1	5218.5	5141.4	5024.5	4841.2	4665.8	4198.2	2880.3	419.8
50°	4960.7	4944.8	4979.3	5215.8	5268.9	5136.1	4963.4	4788.0	4453.2	3302.7	555.3
52.5°	4610.0	4607.3	4769.4	5146.7	5324.7	5242.4	5083.0	4910.2	4655.2	3711.9	746.6
55°	4227.4	4272.5	4556.9	5083.0	5356.6	5319.4	5199.9	5019.2	4835.8	4091.9	1054.9
57.5°	4195.5	4176.9	4450.6	5056.4	5375.2	5396.5	5316.8	5133.4	4990.0	4402.7	1466.7
60°	4514.3	4471.8	4575.5	5112.2	5457.6	5494.8	5433.7	5221.1	5144.1	4647.2	2008.7
62.5°	4883.7	4843.8	4897.0	5327.4	5619.7	5672.8	5595.8	5311.5	5268.9	4817.2	2590.6
65°	5178.6	5146.7	5247.7	5648.9	5845.5	5890.7	5837.6	5478.9	5324.7	4955.4	3063.6
67.5°	5226.4	5186.6	5396.5	5864.1	6074.0	6105.9	6063.4	5640.9	5306.1	4966.0	3172.5
70°	5090.9	5056.4	5356.6	5933.2	6172.3	6198.9	6063.4	5563.9	5053.7	4695.0	2593.3
72.5°	4673.8	4700.3	5088.3	5765.8	6036.8	5914.6	5627.6	5175.9	4726.9	3980.3	1820.1
75°	4025.4	4054.7	4570.1	5306.1	5327.4	5178.6	5024.5	4761.4	4230.0	2622.5	1262.1
77.5°	2861.7	2758.0	3528.6	4381.5	4304.4	4400.1	4413.4	3961.7	3541.9	1365.7	844.9
80°	281.6	239.1	443.7	1256.8	2776.6	3103.4	3231.0	3053.0	2611.9	611.1	443.7
82.5°	61.1	61.1	66.4	71.7	111.6	167.4	767.9	1881.2	1687.2	310.9	143.5
85°	34.5	34.5	42.5	50.5	66.4	74.4	87.7	116.9	454.4	111.6	26.6
87.5°	26.6	29.2	34.5	42.5	55.8	61.1	74.4	93.0	114.3	103.6	8.0
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°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2.5°	55.8	53.1	50.5	47.8	45.2	45.2	42.5	42.5	42.5	42.5	42.5
5°	53.1	50.5	47.8	42.5	39.9	37.2	34.5	34.5	34.5	34.5	34.5
7.5°	53.1	50.5	45.2	39.9	34.5	31.9	29.2	26.6	26.6	29.2	29.2
10°	53.1	47.8	39.9	34.5	29.2	26.6	23.9	21.3	21.3	21.3	21.3
12.5°	50.5	45.2	37.2	31.9	26.6	21.3	15.9	13.3	13.3	13.3	13.3
15°	47.8	42.5	34.5	26.6	18.6	13.3	10.6	8.0	8.0	8.0	8.0
17.5°	47.8	39.9	31.9	23.9	13.3	8.0	5.3	2.7	2.7	2.7	5.3
20°	47.8	39.9	29.2	18.6	8.0	5.3	5.3	2.7	0.0	2.7	2.7
22.5°	47.8	37.2	23.9	13.3	8.0	5.3	2.7	0.0	0.0	0.0	0.0
25°	50.5	37.2	21.3	10.6	5.3	2.7	0.0	0.0	0.0	0.0	0.0
27.5°	50.5	34.5	18.6	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
30°	53.1	34.5	15.9	5.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	53.1	31.9	10.6	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	53.1	29.2	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	53.1	26.6	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	55.8	23.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	58.5	21.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	61.1	18.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	69.1	18.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	79.7	18.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	95.7	18.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	124.9	15.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	180.7	15.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	302.9	15.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	531.4	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	898.1	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1171.8	18.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	890.1	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	425.1	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	188.7	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	82.4	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.9	5.3	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0
82.5°	13.3	5.3	2.7	2.7	2.7	2.7	2.7	0.0	0.0	0.0	0.0
85°	8.0	5.3	5.3	5.3	2.7	2.7	2.7	0.0	0.0	0.0	0.0
87.5°	5.3	5.3	5.3	5.3	5.3	2.7	2.7	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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 3500K 7-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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$



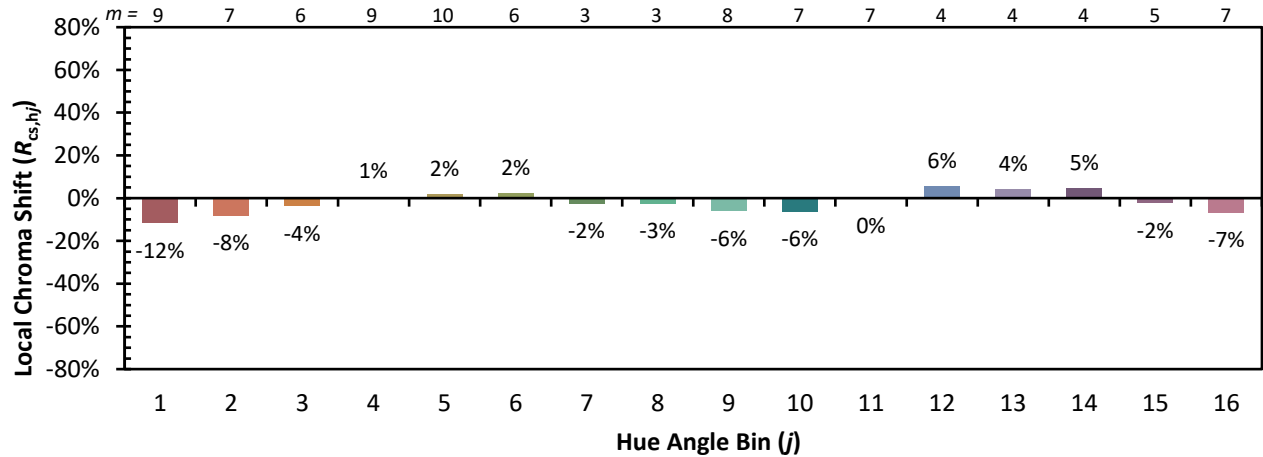
Color Vector Graphics

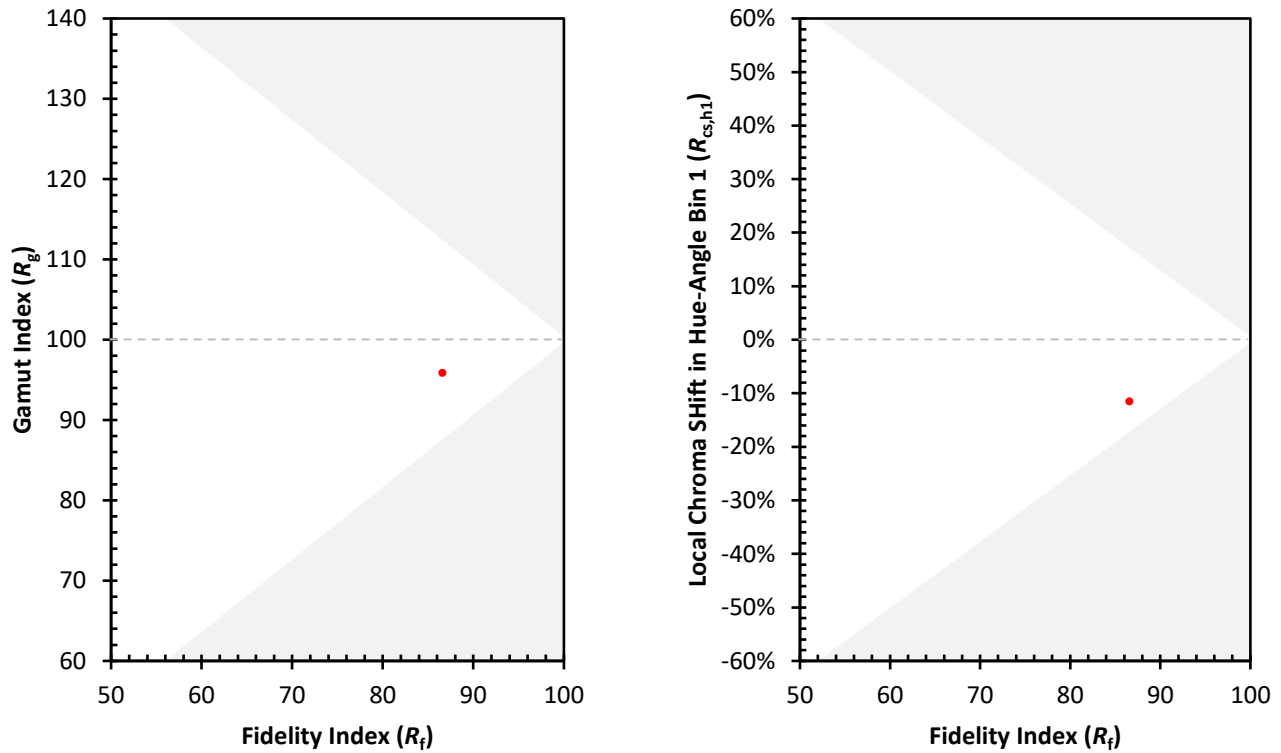


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin


Measure Comparisons


(END OF REPORT)