

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: P1067449

Luminaire Tested: **NAV-SA4A-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067449
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11814.9 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

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

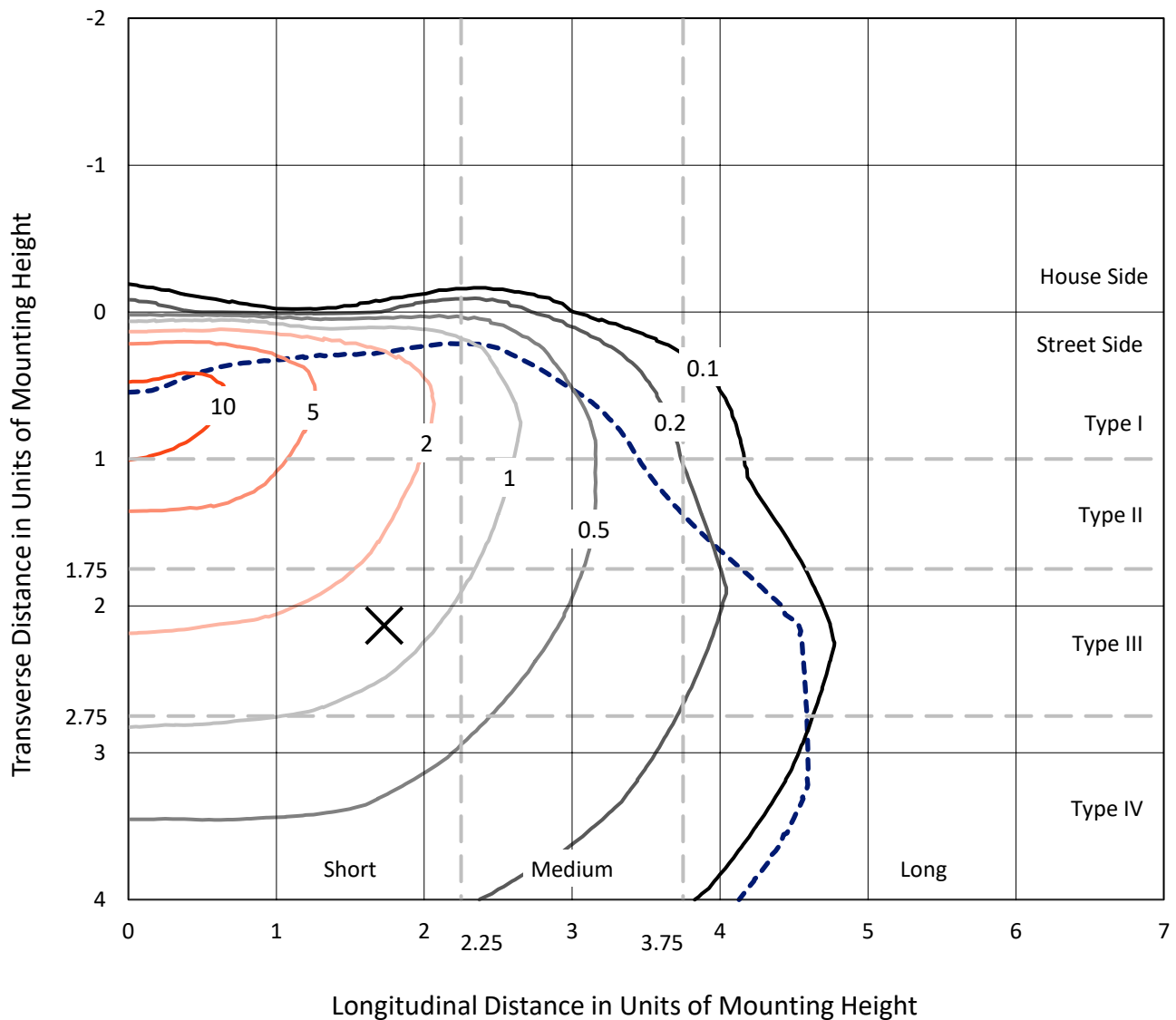


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

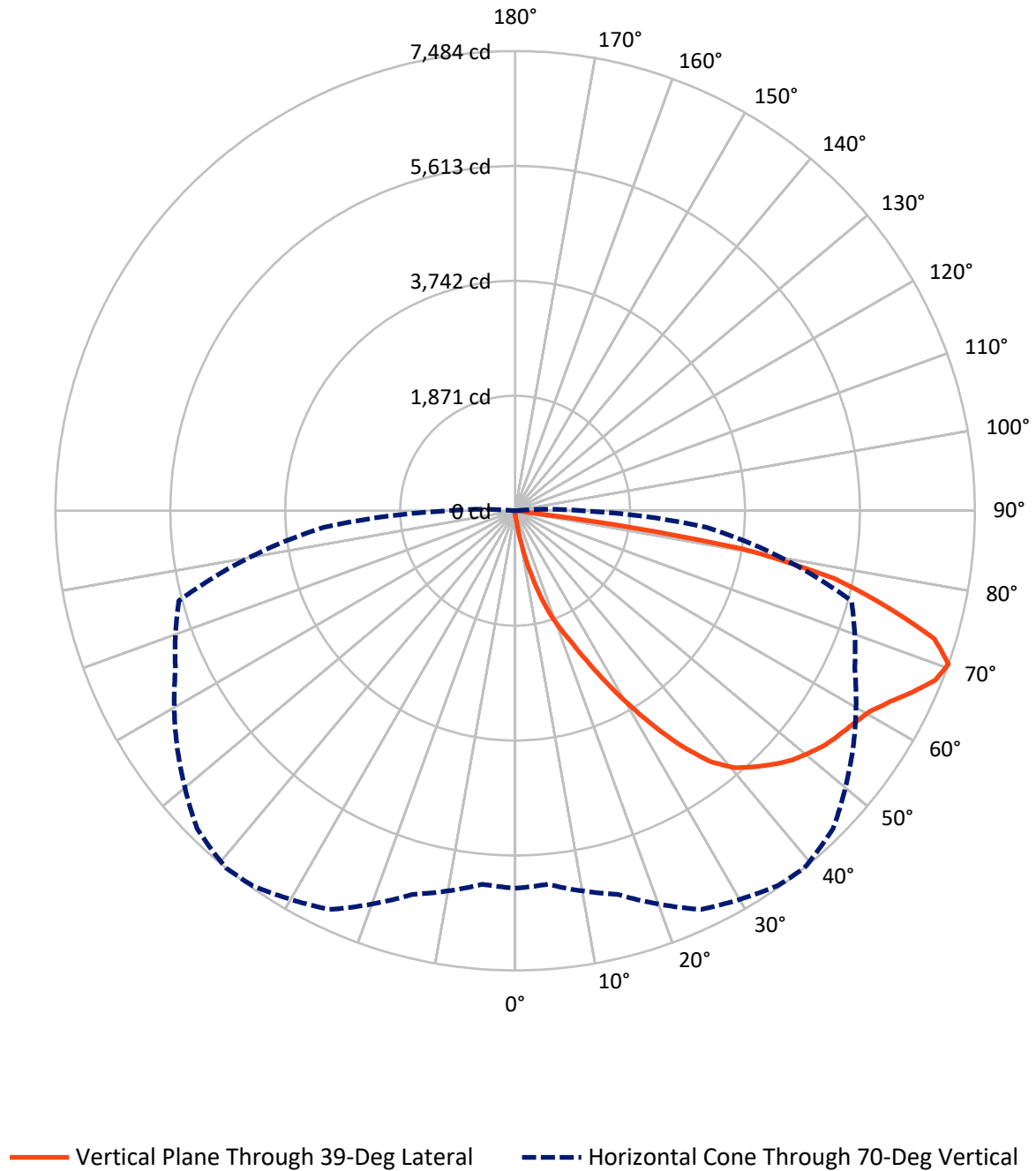


Based on 15 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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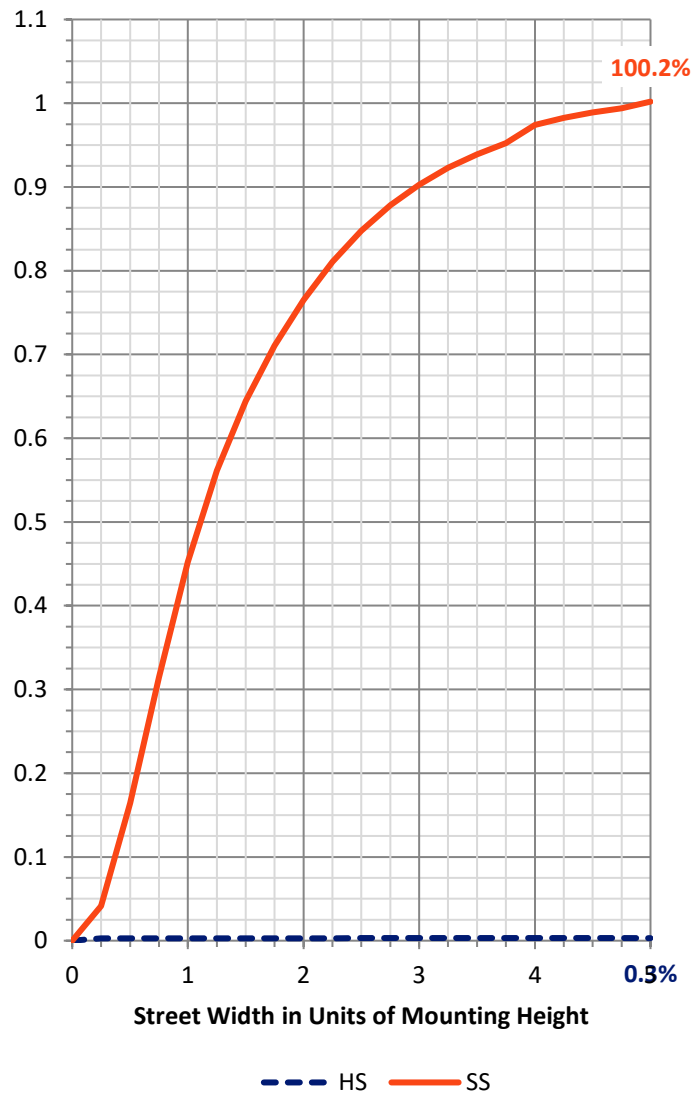
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.4	0.0	36.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	11778.5	0.0	11778.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	11814.9	0.0	11814.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.1
10°-20°	145.3	1.2
20°-30°	492.9	4.2
30°-40°	1158.4	9.8
40°-50°	1881.0	15.9
50°-60°	2383.6	20.2
60°-70°	3027.8	25.6
70°-80°	2460.1	20.8
80°-90°	253.3	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°	11814.9	100.0
0°-180°	11814.9	100.0



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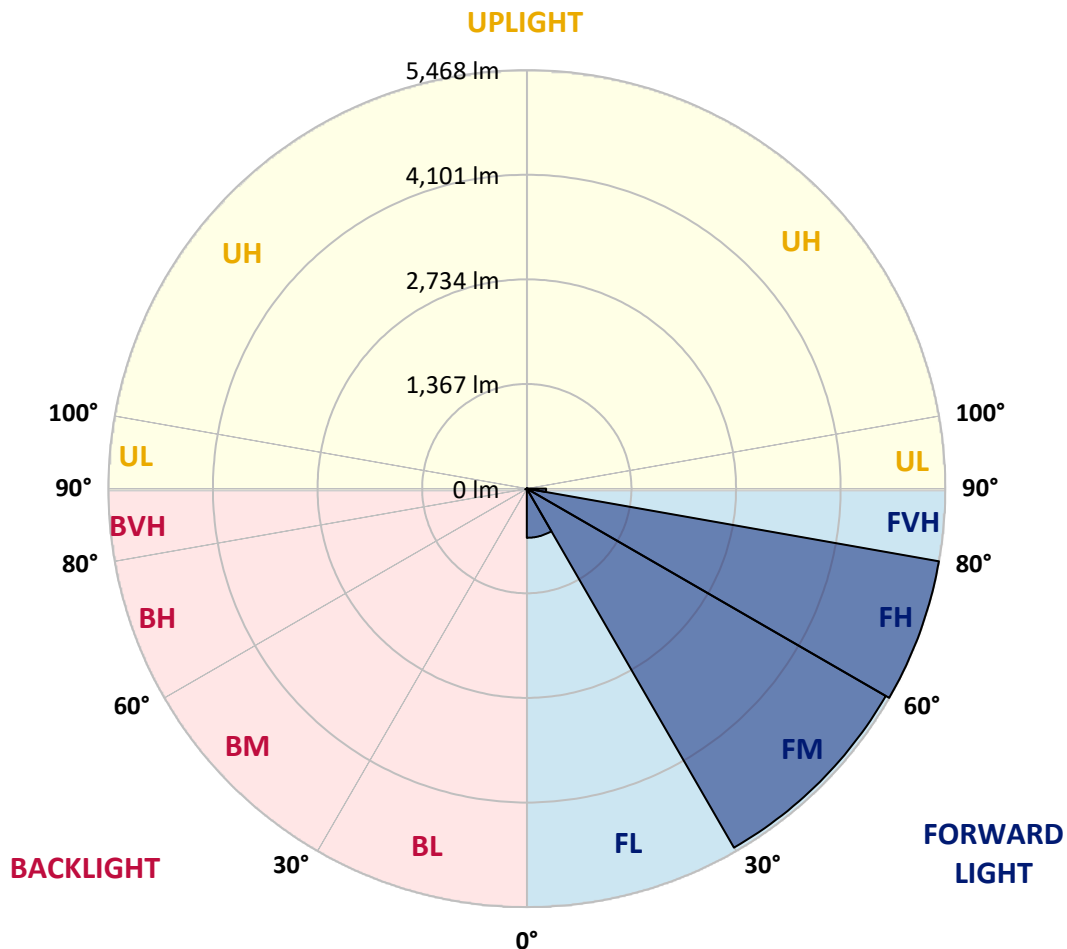
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	642.7	5.4			
FM	(30°-60°)	5416.1	45.8			
FH	(60°-80°)	5468.0	46.3			G3/7500
FVH	(80°-90°)	251.8	2.1			G3/500
BL	(0°-30°)	7.9	0.1	B0/110		
BM	(30°-60°)	7.0	0.1	B0/220		
BH	(60°-80°)	20.0	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	83.4	83.4	83.4	80.2	80.2	77.0	77.0	73.8	70.6	70.6	67.4
5°	157.2	160.4	150.8	131.5	118.7	112.3	105.9	89.8	80.2	73.8	67.4
7.5°	429.8	417.0	397.8	333.6	256.6	218.1	186.0	131.5	96.2	77.0	67.4
10°	904.6	869.3	814.8	728.2	577.4	516.4	401.0	240.6	134.7	86.6	67.4
12.5°	1328.0	1334.4	1267.0	1183.6	1000.8	898.2	741.0	452.3	211.7	102.6	67.4
15°	1648.8	1642.3	1616.7	1549.3	1385.7	1286.3	1145.2	760.2	356.1	128.3	70.6
17.5°	1902.2	1876.5	1866.9	1838.0	1732.2	1677.6	1523.7	1119.5	564.6	173.2	73.8
20°	2155.6	2149.2	2139.5	2107.5	2036.9	1998.4	1879.7	1482.0	840.4	247.0	80.2
22.5°	2524.5	2489.2	2495.6	2425.0	2367.3	2299.9	2203.7	1866.9	1158.0	352.8	89.8
25°	2957.5	2954.3	2903.0	2870.9	2774.7	2700.9	2572.6	2239.0	1510.8	510.0	99.4
27.5°	3467.5	3432.3	3409.8	3355.3	3255.8	3172.4	2996.0	2607.9	1892.6	686.5	112.3
30°	4000.0	4000.0	3958.3	3874.9	3778.7	3676.0	3496.4	2996.0	2271.1	911.0	128.3
32.5°	4622.3	4635.1	4532.5	4407.4	4282.3	4211.7	3977.6	3435.5	2633.5	1167.6	147.6
35°	5225.4	5209.3	5039.3	4901.4	4808.4	4731.4	4532.5	3916.6	3044.1	1465.9	173.2
37.5°	5802.8	5761.1	5478.8	5283.1	5241.4	5190.1	4991.2	4397.8	3451.5	1796.3	205.3
40°	6216.5	6152.4	5860.5	5591.0	5530.1	5501.2	5347.3	4834.0	3881.3	2165.2	247.0
42.5°	6396.2	6322.4	6120.3	5902.2	5767.5	5700.1	5565.4	5190.1	4311.2	2575.8	307.9
45°	6431.5	6373.7	6229.4	6178.1	5995.2	5892.6	5709.7	5443.5	4712.1	2983.2	391.3
47.5°	6303.2	6277.5	6190.9	6300.0	6206.9	6065.8	5844.5	5632.7	5068.2	3477.2	506.8
50°	5988.8	5969.6	6011.3	6296.7	6360.9	6200.5	5992.0	5780.3	5376.1	3987.2	670.4
52.5°	5565.4	5562.2	5757.8	6213.3	6428.3	6328.8	6136.4	5927.9	5619.9	4481.2	901.4
55°	5103.5	5158.0	5501.2	6136.4	6466.8	6421.8	6277.5	6059.4	5838.0	4939.9	1273.5
57.5°	5065.0	5042.5	5372.9	6104.3	6489.2	6514.9	6418.6	6197.3	6024.1	5315.2	1770.7
60°	5449.9	5398.6	5523.7	6171.6	6588.6	6633.6	6559.8	6303.2	6210.1	5610.3	2425.0
62.5°	5895.8	5847.7	5911.8	6431.5	6784.3	6848.5	6755.4	6412.2	6360.9	5815.6	3127.5
65°	6251.8	6213.3	6335.2	6819.6	7057.0	7111.5	7047.3	6614.3	6428.3	5982.4	3698.5
67.5°	6309.6	6261.5	6514.9	7079.4	7332.8	7371.3	7320.0	6810.0	6405.8	5995.2	3830.0
70°	6146.0	6104.3	6466.8	7162.8	7451.5	7483.6	7320.0	6717.0	6101.1	5668.0	3130.7
72.5°	5642.4	5674.4	6142.8	6960.7	7287.9	7140.4	6793.9	6248.6	5706.5	4805.2	2197.3
75°	4859.7	4895.0	5517.3	6405.8	6431.5	6251.8	6065.8	5748.2	5106.7	3166.0	1523.7
77.5°	3454.7	3329.6	4259.8	5289.5	5196.5	5312.0	5328.0	4782.7	4275.9	1648.8	1020.1
80°	340.0	288.7	535.7	1517.2	3352.1	3746.6	3900.6	3685.7	3153.2	737.8	535.7
82.5°	73.8	73.8	80.2	86.6	134.7	202.1	927.0	2271.1	2036.9	375.3	173.2
85°	41.7	41.7	51.3	60.9	80.2	89.8	105.9	141.1	548.5	134.7	32.1
87.5°	32.1	35.3	41.7	51.3	67.4	73.8	89.8	112.3	137.9	125.1	9.6
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°	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
2.5°	67.4	64.2	60.9	57.7	54.5	54.5	51.3	51.3	51.3	51.3	51.3
5°	64.2	60.9	57.7	51.3	48.1	44.9	41.7	41.7	41.7	41.7	41.7
7.5°	64.2	60.9	54.5	48.1	41.7	38.5	35.3	32.1	32.1	35.3	35.3
10°	64.2	57.7	48.1	41.7	35.3	32.1	28.9	25.7	25.7	25.7	25.7
12.5°	60.9	54.5	44.9	38.5	32.1	25.7	19.2	16.0	16.0	16.0	16.0
15°	57.7	51.3	41.7	32.1	22.5	16.0	12.8	9.6	9.6	9.6	9.6
17.5°	57.7	48.1	38.5	28.9	16.0	9.6	6.4	3.2	3.2	3.2	6.4
20°	57.7	48.1	35.3	22.5	9.6	6.4	6.4	3.2	0.0	3.2	3.2
22.5°	57.7	44.9	28.9	16.0	9.6	6.4	3.2	0.0	0.0	0.0	0.0
25°	60.9	44.9	25.7	12.8	6.4	3.2	0.0	0.0	0.0	0.0	0.0
27.5°	60.9	41.7	22.5	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	64.2	41.7	19.2	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	64.2	38.5	12.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	64.2	35.3	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	64.2	32.1	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	67.4	28.9	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	70.6	25.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	73.8	22.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	83.4	22.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	96.2	22.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	115.5	22.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	150.8	19.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	218.1	19.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	365.7	19.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	641.5	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1084.2	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1414.6	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1074.6	19.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	513.2	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	227.7	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	99.4	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.5	6.4	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	16.0	6.4	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
85°	9.6	6.4	6.4	6.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0
87.5°	6.4	6.4	6.4	6.4	6.4	3.2	3.2	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-3

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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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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

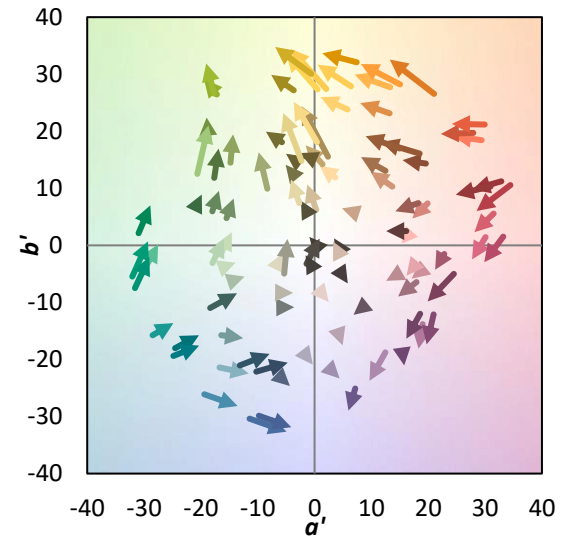
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



Color Vector Graphics

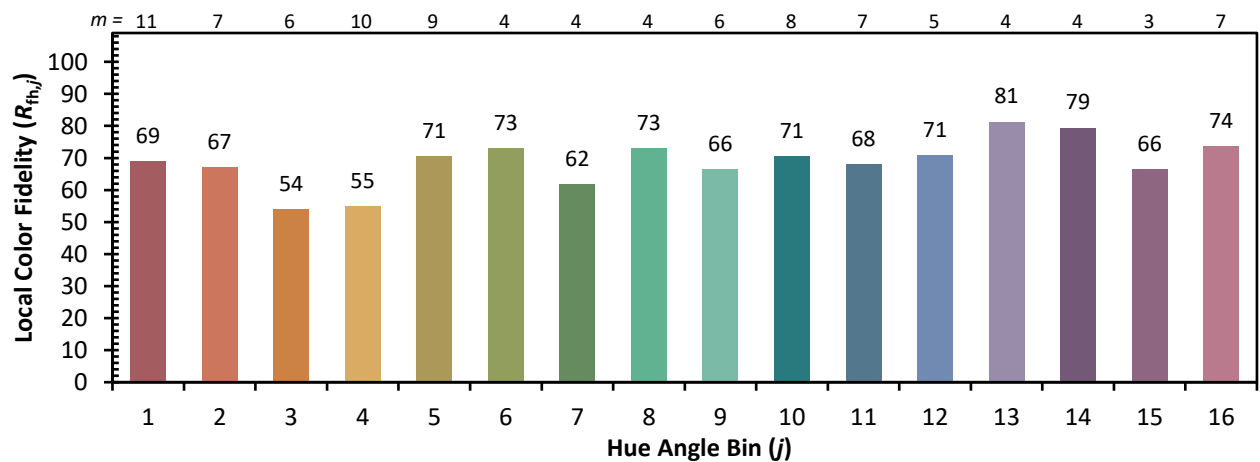


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)