

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: P1067450

Luminaire Tested: **NAV-SA4B-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067450
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 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: 14698.7 lumens
Efficiency: N/A
Efficacy: 102.0 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): 144.1
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

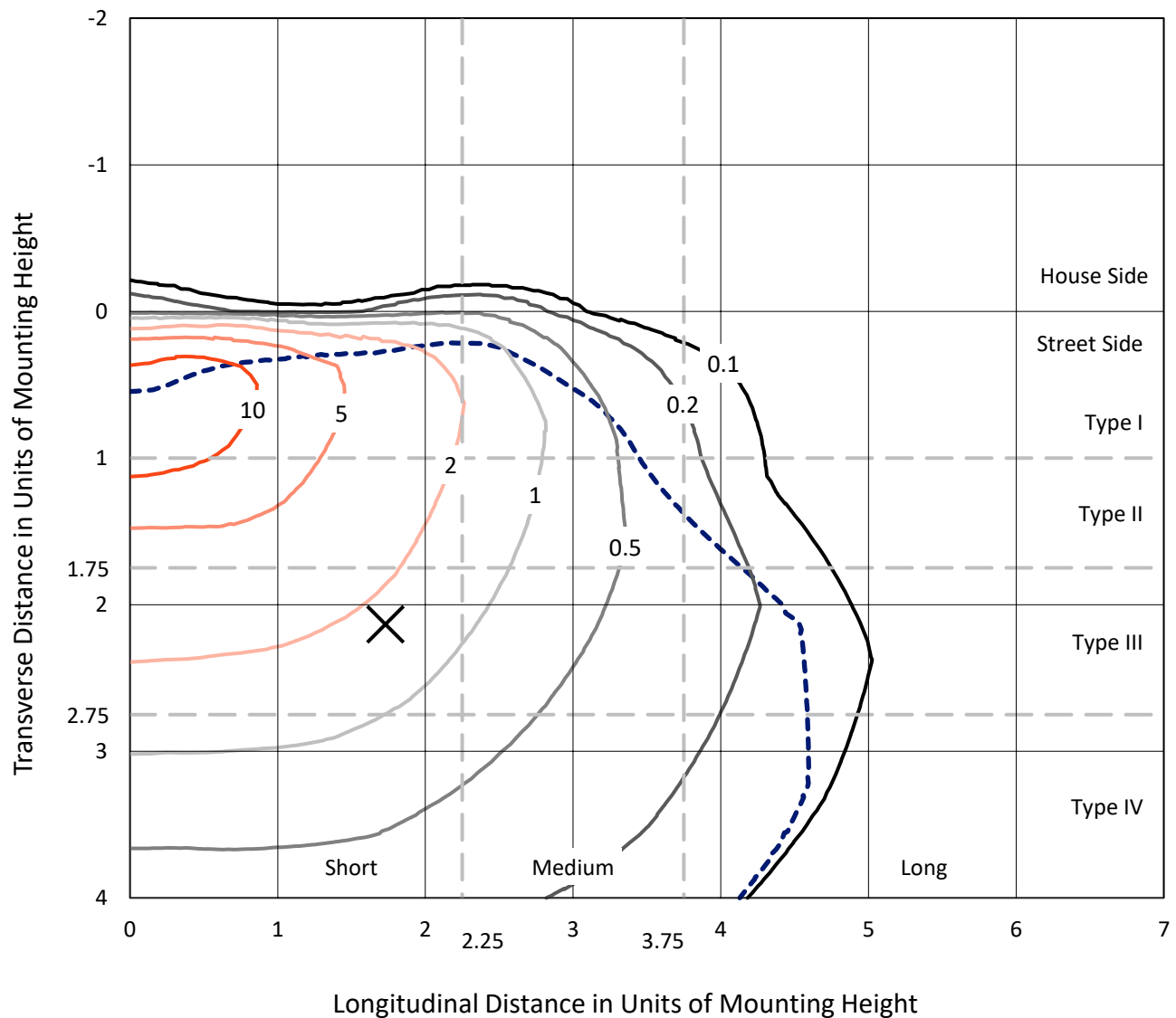


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

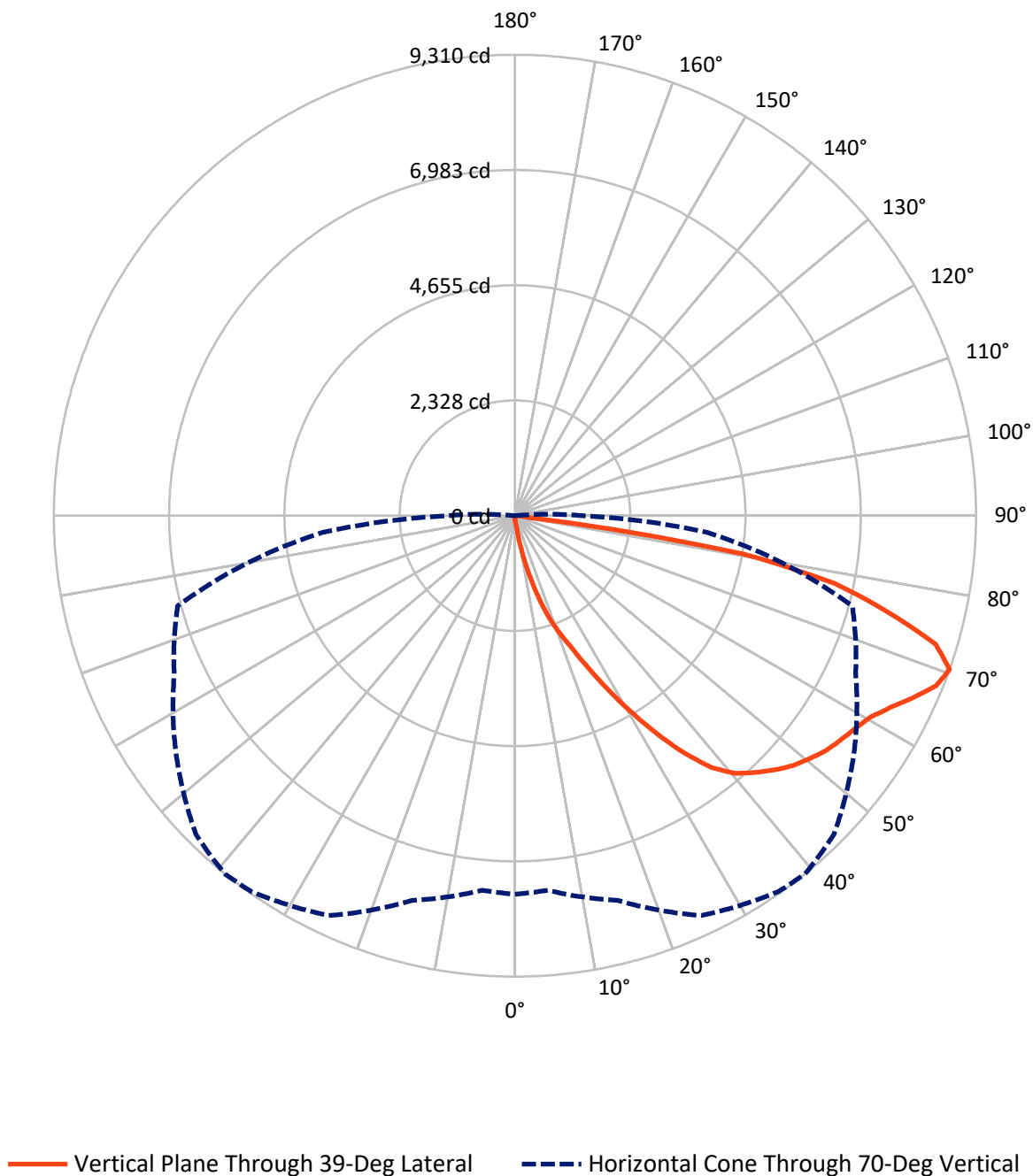


Based on 15 foot mounting height. Maximum calculated value = 16 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.3	0.0	45.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	14653.5	0.0	14653.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	14698.7	0.0	14698.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.1
10°-20°	180.7	1.2
20°-30°	613.2	4.2
30°-40°	1441.2	9.8
40°-50°	2340.1	15.9
50°-60°	2965.4	20.2
60°-70°	3766.9	25.6
70°-80°	3060.6	20.8
80°-90°	315.1	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°	14698.7	100.0
0°-180°	14698.7	100.0



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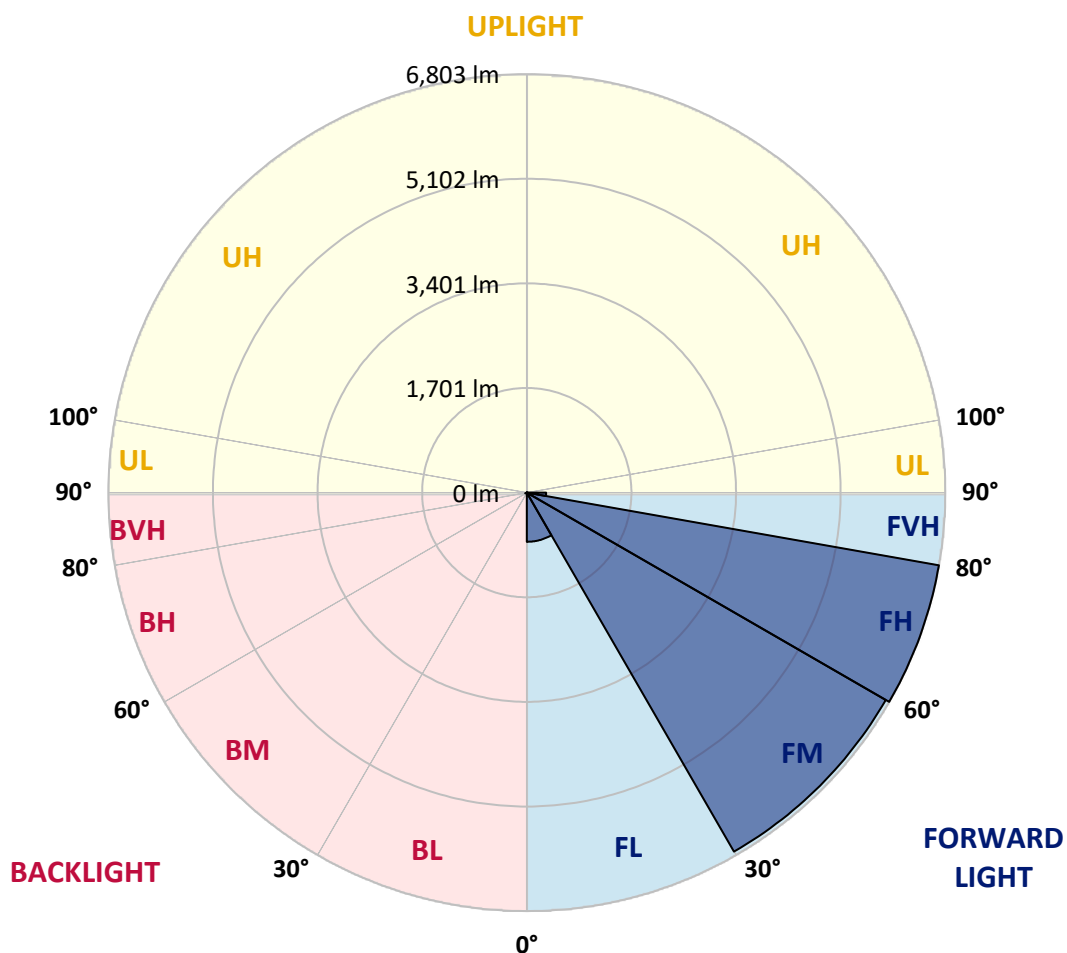
CATALOG NUMBER: NAV-SA4B-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	799.6	5.4			
FM	(30°-60°)	6738.0	45.8			
FH	(60°-80°)	6802.6	46.3			G3/7500
FVH	(80°-90°)	313.3	2.1			G3/500
BL	(0°-30°)	9.8	0.1	B0/110		
BM	(30°-60°)	8.7	0.1	B0/220		
BH	(60°-80°)	24.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.9	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



REPORT NUMBER: P1067450

CATALOG NUMBER: NAV-SA4B-727-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	103.8	103.8	103.8	99.8	99.8	95.8	95.8	91.8	87.8	87.8	83.8
5°	195.5	199.5	187.6	163.6	147.7	139.7	131.7	111.7	99.8	91.8	83.8
7.5°	534.7	518.8	494.8	415.0	319.3	271.4	231.5	163.6	119.7	95.8	83.8
10°	1125.4	1081.5	1013.6	905.9	718.3	642.5	498.8	299.3	167.6	107.7	83.8
12.5°	1652.1	1660.1	1576.3	1472.6	1245.1	1117.4	921.8	562.7	263.4	127.7	83.8
15°	2051.2	2043.2	2011.3	1927.5	1724.0	1600.3	1424.7	945.8	443.0	159.6	87.8
17.5°	2366.5	2334.5	2322.6	2286.6	2155.0	2087.1	1895.6	1392.7	702.4	215.5	91.8
20°	2681.7	2673.7	2661.8	2621.9	2534.1	2486.2	2338.5	1843.7	1045.6	307.3	99.8
22.5°	3140.6	3096.7	3104.7	3016.9	2945.1	2861.3	2741.6	2322.6	1440.6	439.0	111.7
25°	3679.4	3675.4	3611.5	3571.6	3451.9	3360.1	3200.5	2785.5	1879.6	634.5	123.7
27.5°	4313.9	4270.0	4242.1	4174.2	4050.5	3946.8	3727.3	3244.4	2354.5	854.0	139.7
30°	4976.3	4976.3	4924.5	4820.7	4701.0	4573.3	4349.8	3727.3	2825.4	1133.3	159.6
32.5°	5750.5	5766.5	5638.8	5483.2	5327.5	5239.7	4948.4	4274.0	3276.3	1452.6	183.6
35°	6500.8	6480.8	6269.3	6097.7	5982.0	5886.2	5638.8	4872.6	3787.1	1823.7	215.5
37.5°	7219.1	7167.2	6816.0	6572.6	6520.7	6456.9	6209.5	5471.2	4293.9	2234.8	255.4
40°	7733.9	7654.1	7290.9	6955.7	6879.9	6844.0	6652.4	6013.9	4828.7	2693.7	307.3
42.5°	7957.4	7865.6	7614.2	7342.8	7175.2	7091.4	6923.8	6456.9	5363.4	3204.5	383.1
45°	8001.3	7929.4	7749.9	7686.0	7458.5	7330.8	7103.4	6772.1	5862.3	3711.3	486.9
47.5°	7841.6	7809.7	7702.0	7837.6	7721.9	7546.3	7271.0	7007.6	6305.2	4325.9	630.5
50°	7450.6	7426.6	7478.5	7833.7	7913.5	7713.9	7454.5	7191.2	6688.3	4960.4	834.0
52.5°	6923.8	6919.8	7163.2	7729.9	7997.3	7873.6	7634.1	7374.7	6991.6	5574.9	1121.4
55°	6349.1	6417.0	6844.0	7634.1	8045.2	7989.3	7809.7	7538.3	7263.0	6145.6	1584.3
57.5°	6301.2	6273.3	6684.3	7594.2	8073.1	8105.0	7985.3	7709.9	7494.5	6612.5	2202.8
60°	6780.1	6716.3	6871.9	7678.0	8196.8	8252.7	8160.9	7841.6	7725.9	6979.7	3016.9
62.5°	7334.8	7275.0	7354.8	8001.3	8440.2	8520.0	8404.3	7977.3	7913.5	7235.1	3890.9
65°	7777.8	7729.9	7881.5	8484.1	8779.4	8847.3	8767.5	8228.7	7997.3	7442.6	4601.2
67.5°	7849.6	7789.8	8105.0	8807.4	9122.6	9170.5	9106.7	8472.2	7969.3	7458.5	4764.8
70°	7646.1	7594.2	8045.2	8911.1	9270.3	9310.2	9106.7	8356.4	7590.2	7051.5	3894.9
72.5°	7019.6	7059.5	7642.1	8659.7	9066.8	8883.2	8452.2	7773.8	7099.4	5978.0	2733.6
75°	6045.8	6089.7	6863.9	7969.3	8001.3	7777.8	7546.3	7151.3	6353.1	3938.8	1895.6
77.5°	4297.9	4142.3	5299.6	6580.6	6464.9	6608.5	6628.5	5950.1	5319.5	2051.2	1269.0
80°	423.0	359.2	666.4	1887.6	4170.2	4661.1	4852.6	4585.3	3922.8	917.9	666.4
82.5°	91.8	91.8	99.8	107.7	167.6	251.4	1153.3	2825.4	2534.1	466.9	215.5
85°	51.9	51.9	63.9	75.8	99.8	111.7	131.7	175.6	682.4	167.6	39.9
87.5°	39.9	43.9	51.9	63.9	83.8	91.8	111.7	139.7	171.6	155.6	12.0
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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CATALOG NUMBER: NAV-SA4B-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2.5°	83.8	79.8	75.8	71.8	67.8	67.8	63.9	63.9	63.9	63.9	63.9
5°	79.8	75.8	71.8	63.9	59.9	55.9	51.9	51.9	51.9	51.9	51.9
7.5°	79.8	75.8	67.8	59.9	51.9	47.9	43.9	39.9	39.9	43.9	43.9
10°	79.8	71.8	59.9	51.9	43.9	39.9	35.9	31.9	31.9	31.9	31.9
12.5°	75.8	67.8	55.9	47.9	39.9	31.9	23.9	20.0	20.0	20.0	20.0
15°	71.8	63.9	51.9	39.9	27.9	20.0	16.0	12.0	12.0	12.0	12.0
17.5°	71.8	59.9	47.9	35.9	20.0	12.0	8.0	4.0	4.0	4.0	8.0
20°	71.8	59.9	43.9	27.9	12.0	8.0	8.0	4.0	0.0	4.0	4.0
22.5°	71.8	55.9	35.9	20.0	12.0	8.0	4.0	0.0	0.0	0.0	0.0
25°	75.8	55.9	31.9	16.0	8.0	4.0	0.0	0.0	0.0	0.0	0.0
27.5°	75.8	51.9	27.9	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	79.8	51.9	23.9	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	79.8	47.9	16.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	79.8	43.9	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	79.8	39.9	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	83.8	35.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	87.8	31.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	91.8	27.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	103.8	27.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	119.7	27.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	143.7	27.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	187.6	23.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	271.4	23.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	454.9	23.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	798.1	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1348.8	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1759.9	27.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1336.9	23.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	638.5	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	283.3	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	123.7	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	47.9	8.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0
82.5°	20.0	8.0	4.0	4.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0
85°	12.0	8.0	8.0	8.0	4.0	4.0	4.0	0.0	0.0	0.0	0.0
87.5°	8.0	8.0	8.0	8.0	8.0	4.0	4.0	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			

REPORT NUMBER: SP1-2407-184-3

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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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TM-30-18

Summary

$R_f = 67.9$
 $R_g = 98.6$
 $\text{CIE } R_a = 71.1$
 $R_g = -27.8$

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)