

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: P1067454

Luminaire Tested: **NAV-SA5B-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067454
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5B-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (70) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18532.8 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 178.8
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

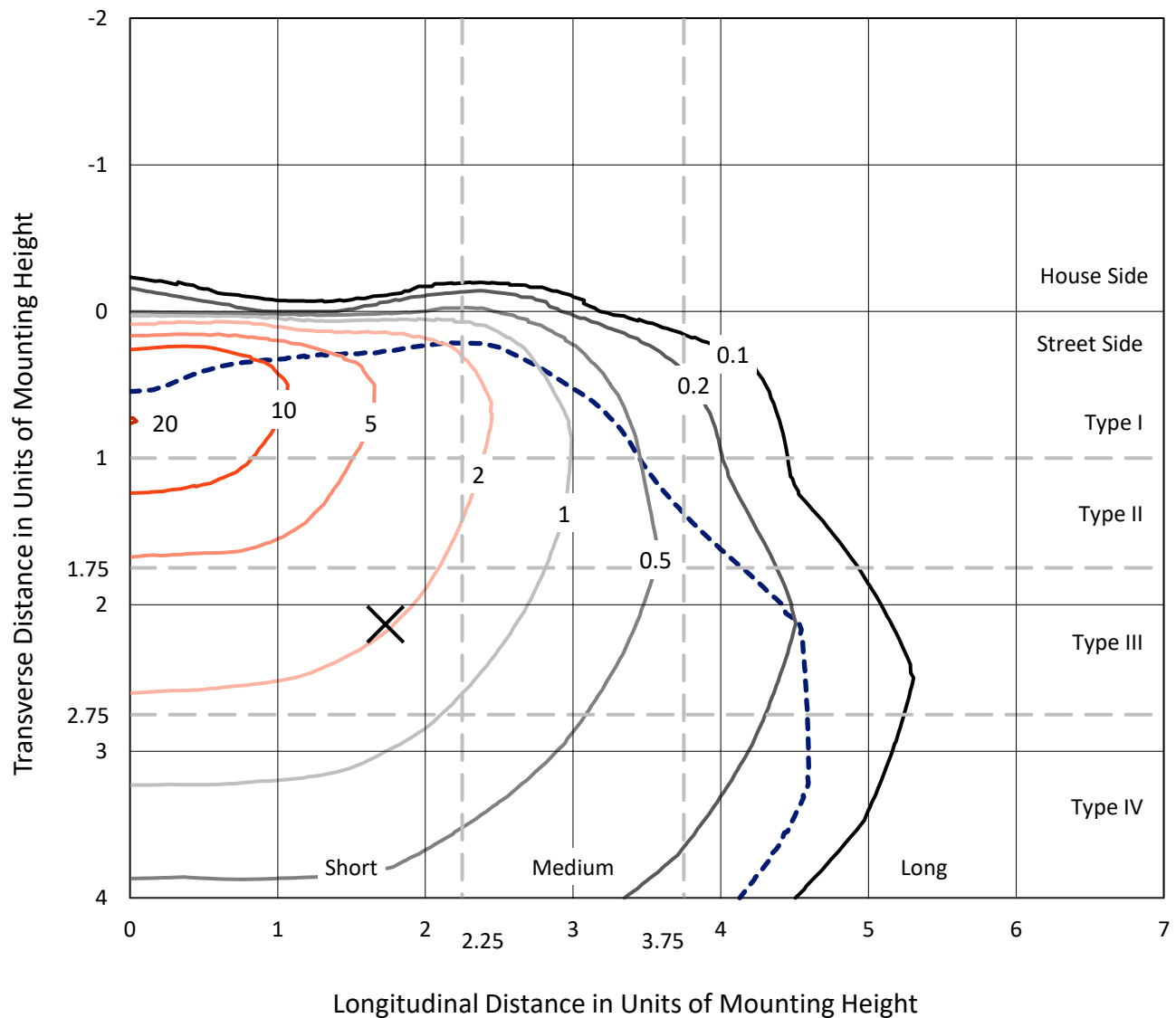


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

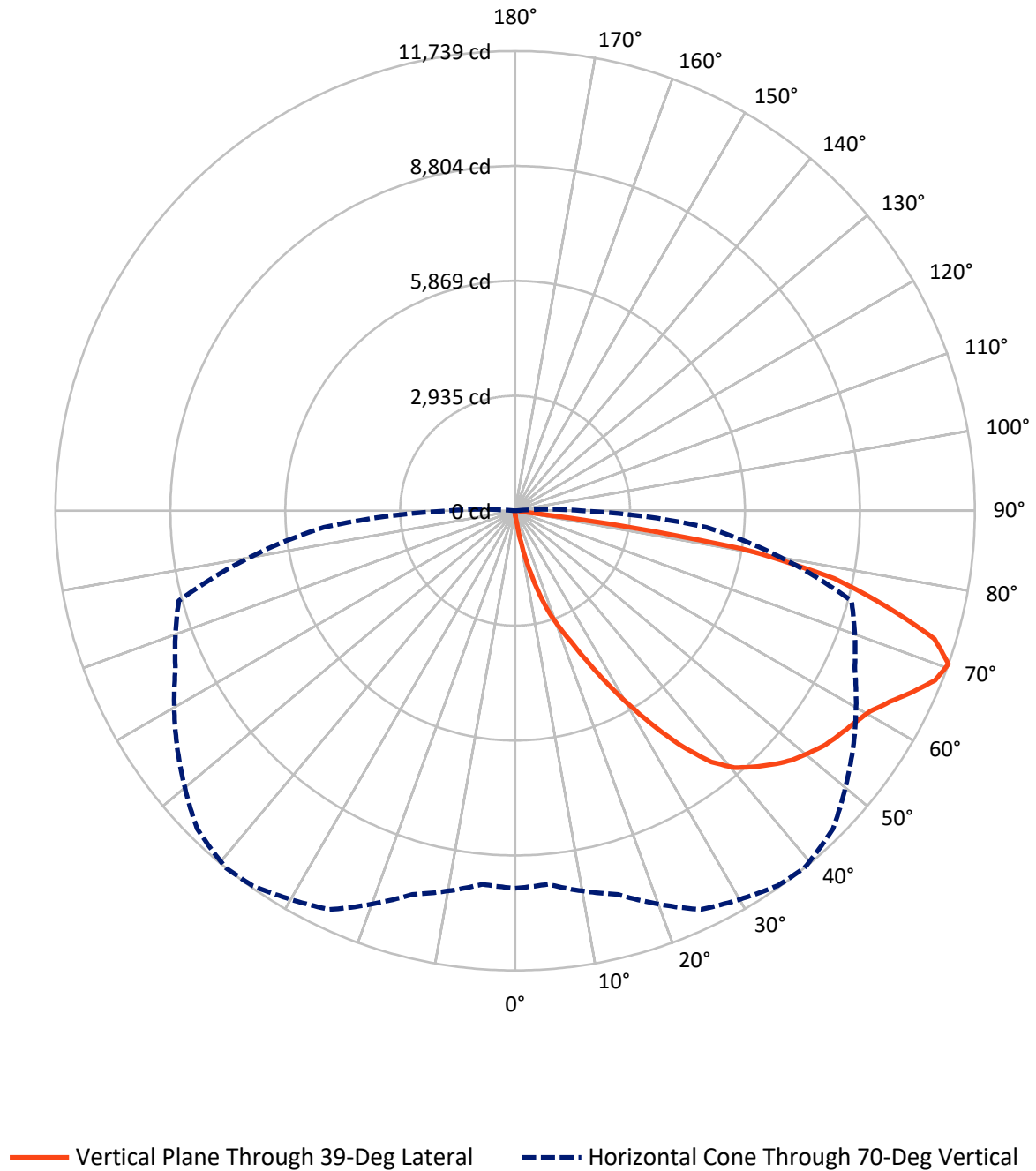


Based on 15 foot mounting height. Maximum calculated value = 20.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.1	0.0	57.1
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	18475.8	0.0	18475.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	18532.8	0.0	18532.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.1
10°-20°	227.8	1.2
20°-30°	773.2	4.2
30°-40°	1817.1	9.8
40°-50°	2950.6	15.9
50°-60°	3739.0	20.2
60°-70°	4749.5	25.6
70°-80°	3858.9	20.8
80°-90°	397.3	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°	18532.8	100.0
0°-180°	18532.8	100.0



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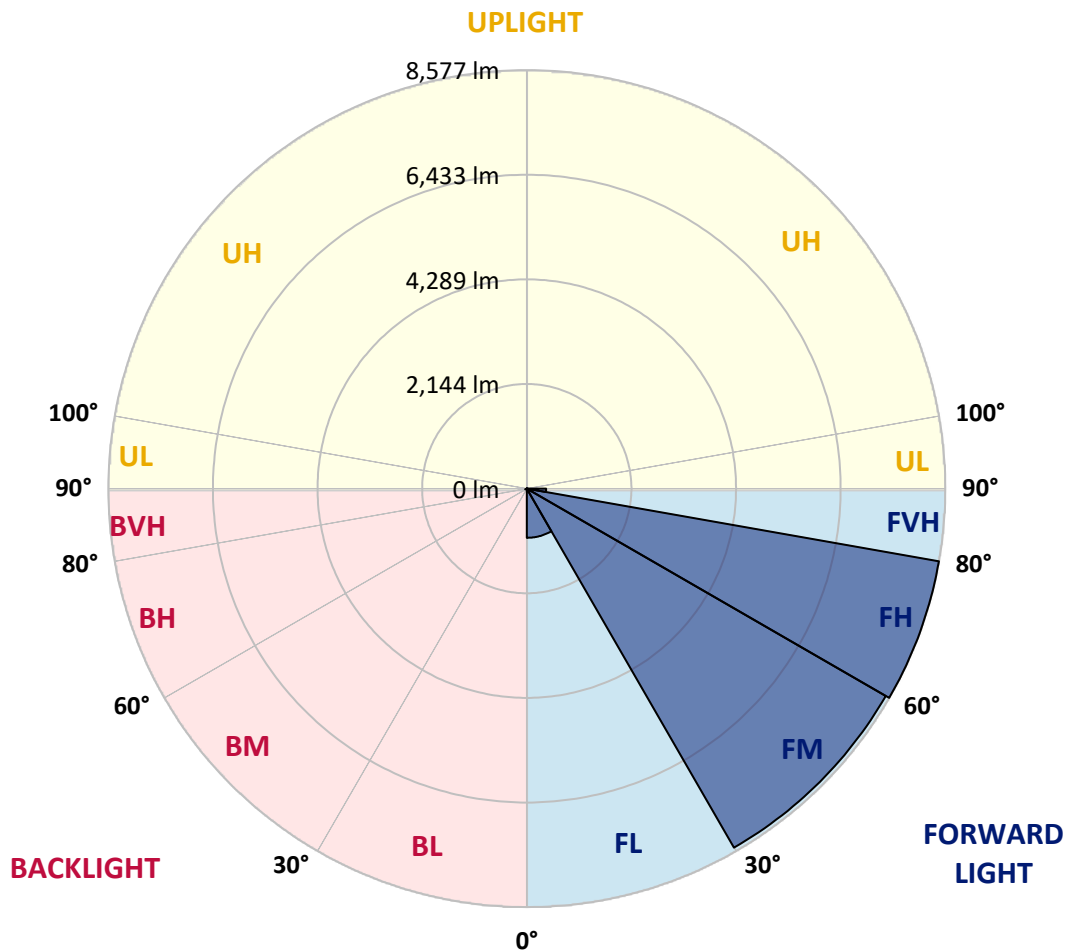
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1008.2	5.4			
FM	(30°-60°)	8495.6	45.8			
FH	(60°-80°)	8577.0	46.3			G4/12000
FVH	(80°-90°)	395.0	2.1			G3/500
BL	(0°-30°)	12.3	0.1	B0/110		
BM	(30°-60°)	11.0	0.1	B0/220		
BH	(60°-80°)	31.4	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6
2.5°	130.8	130.8	130.8	125.8	125.8	120.8	120.8	115.7	110.7	110.7	105.7
5°	246.5	251.6	236.5	206.3	186.2	176.1	166.0	140.9	125.8	115.7	105.7
7.5°	674.2	654.1	623.9	523.3	402.5	342.1	291.8	206.3	150.9	120.8	105.7
10°	1418.9	1363.6	1278.0	1142.2	905.7	810.1	629.0	377.4	211.3	135.9	105.7
12.5°	2083.1	2093.1	1987.5	1856.7	1569.9	1408.9	1162.3	709.5	332.1	161.0	105.7
15°	2586.2	2576.2	2535.9	2430.3	2173.7	2017.7	1796.3	1192.5	558.5	201.3	110.7
17.5°	2983.7	2943.5	2928.4	2883.1	2717.1	2631.5	2390.0	1756.0	885.6	271.7	115.7
20°	3381.2	3371.2	3356.1	3305.8	3195.1	3134.7	2948.5	2324.6	1318.3	387.4	125.8
22.5°	3959.9	3904.5	3914.6	3803.9	3713.3	3607.7	3456.7	2928.4	1816.4	553.5	140.9
25°	4639.1	4634.1	4553.6	4503.3	4352.3	4236.6	4035.4	3512.1	2369.9	800.0	156.0
27.5°	5439.2	5383.8	5348.6	5263.1	5107.1	4976.3	4699.5	4090.7	2968.7	1076.8	176.1
30°	6274.4	6274.4	6209.0	6078.2	5927.2	5766.2	5484.5	4699.5	3562.4	1429.0	201.3
32.5°	7250.6	7270.7	7109.7	6913.4	6717.2	6606.5	6239.2	5388.9	4131.0	1831.5	231.5
35°	8196.5	8171.3	7904.7	7688.3	7542.4	7421.6	7109.7	6143.6	4775.0	2299.4	271.7
37.5°	9102.2	9036.8	8594.0	8287.1	8221.7	8141.1	7829.2	6898.3	5414.0	2817.7	322.0
40°	9751.3	9650.6	9192.8	8770.1	8674.5	8629.2	8387.7	7582.6	6088.2	3396.3	387.4
42.5°	10033.0	9917.3	9600.3	9258.2	9046.8	8941.2	8729.8	8141.1	6762.5	4040.4	483.0
45°	10088.4	9997.8	9771.4	9690.9	9404.1	9243.1	8956.3	8538.6	7391.4	4679.4	613.9
47.5°	9887.1	9846.9	9711.0	9882.1	9736.2	9514.8	9167.6	8835.5	7949.9	5454.3	795.0
50°	9394.0	9363.8	9429.2	9877.1	9977.7	9726.1	9399.0	9067.0	8433.0	6254.3	1051.6
52.5°	8729.8	8724.8	9031.7	9746.2	10083.3	9927.4	9625.5	9298.4	8815.4	7029.2	1413.9
55°	8005.3	8090.8	8629.2	9625.5	10143.7	10073.3	9846.9	9504.7	9157.5	7748.7	1997.5
57.5°	7944.9	7909.7	8427.9	9575.2	10178.9	10219.2	10068.3	9721.1	9449.4	8337.4	2777.4
60°	8548.7	8468.2	8664.4	9680.8	10334.9	10405.4	10289.6	9887.1	9741.2	8800.3	3803.9
62.5°	9248.1	9172.6	9273.3	10088.4	10641.9	10742.5	10596.6	10058.2	9977.7	9122.3	4905.8
65°	9806.6	9746.2	9937.4	10697.2	11069.5	11155.1	11054.4	10375.2	10083.3	9384.0	5801.4
67.5°	9897.2	9821.7	10219.2	11104.8	11502.3	11562.6	11482.1	10682.1	10048.1	9404.1	6007.7
70°	9640.6	9575.2	10143.7	11235.6	11688.4	11738.7	11482.1	10536.2	9570.1	8890.9	4910.9
72.5°	8850.6	8900.9	9635.5	10918.6	11431.8	11200.4	10657.0	9801.6	8951.2	7537.4	3446.7
75°	7622.9	7678.2	8654.4	10048.1	10088.4	9806.6	9514.8	9016.6	8010.3	4966.2	2390.0
77.5°	5419.0	5222.8	6682.0	8297.1	8151.2	8332.3	8357.5	7502.1	6707.1	2586.2	1600.1
80°	533.4	452.8	840.3	2380.0	5258.0	5876.9	6118.4	5781.3	4946.1	1157.3	840.3
82.5°	115.7	115.7	125.8	135.9	211.3	317.0	1454.1	3562.4	3195.1	588.7	271.7
85°	65.4	65.4	80.5	95.6	125.8	140.9	166.0	221.4	860.4	211.3	50.3
87.5°	50.3	55.3	65.4	80.5	105.7	115.7	140.9	176.1	216.4	196.2	15.1
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-SA5B-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6
2.5°	105.7	100.6	95.6	90.6	85.5	85.5	80.5	80.5	80.5	80.5	80.5
5°	100.6	95.6	90.6	80.5	75.5	70.4	65.4	65.4	65.4	65.4	65.4
7.5°	100.6	95.6	85.5	75.5	65.4	60.4	55.3	50.3	50.3	55.3	55.3
10°	100.6	90.6	75.5	65.4	55.3	50.3	45.3	40.3	40.3	40.3	40.3
12.5°	95.6	85.5	70.4	60.4	50.3	40.3	30.2	25.2	25.2	25.2	25.2
15°	90.6	80.5	65.4	50.3	35.2	25.2	20.1	15.1	15.1	15.1	15.1
17.5°	90.6	75.5	60.4	45.3	25.2	15.1	10.1	5.0	5.0	5.0	10.1
20°	90.6	75.5	55.3	35.2	15.1	10.1	10.1	5.0	0.0	5.0	5.0
22.5°	90.6	70.4	45.3	25.2	15.1	10.1	5.0	0.0	0.0	0.0	0.0
25°	95.6	70.4	40.3	20.1	10.1	5.0	0.0	0.0	0.0	0.0	0.0
27.5°	95.6	65.4	35.2	15.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	100.6	65.4	30.2	10.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	100.6	60.4	20.1	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	100.6	55.3	15.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	100.6	50.3	15.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	105.7	45.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	110.7	40.3	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	115.7	35.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	130.8	35.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	150.9	35.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	181.1	35.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	236.5	30.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	342.1	30.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	573.6	30.2	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1006.3	30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1700.7	30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2218.9	35.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1685.6	30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	805.1	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	357.2	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	156.0	15.1	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	60.4	10.1	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
82.5°	25.2	10.1	5.0	5.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0
85°	15.1	10.1	10.1	10.1	5.0	5.0	5.0	0.0	0.0	0.0	0.0
87.5°	10.1	10.1	10.1	10.1	10.1	5.0	5.0	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			

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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 ^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	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)