

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: P1067211

Luminaire Tested: **NAV-SA4C-727-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067211
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-727-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18088 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
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

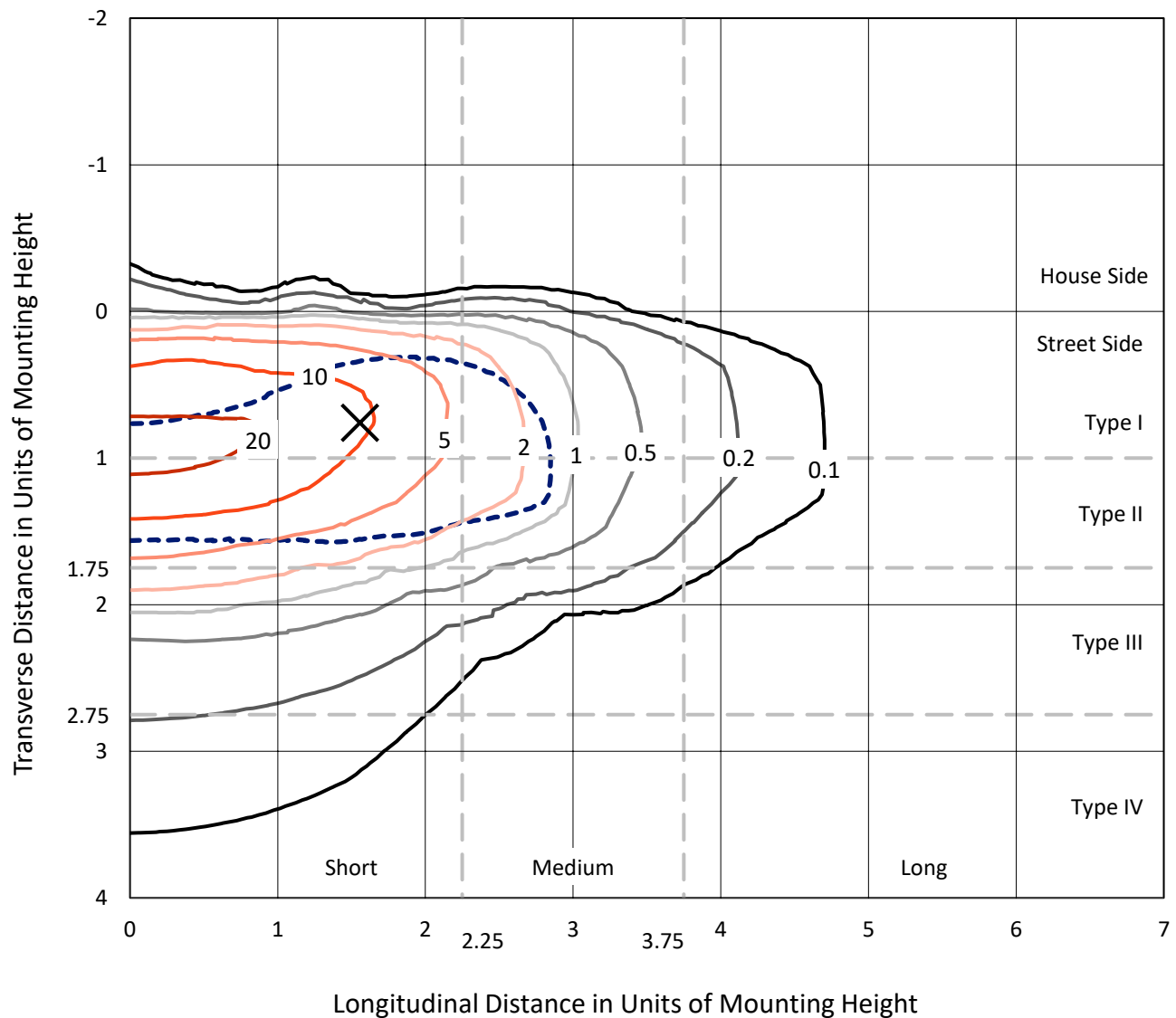


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

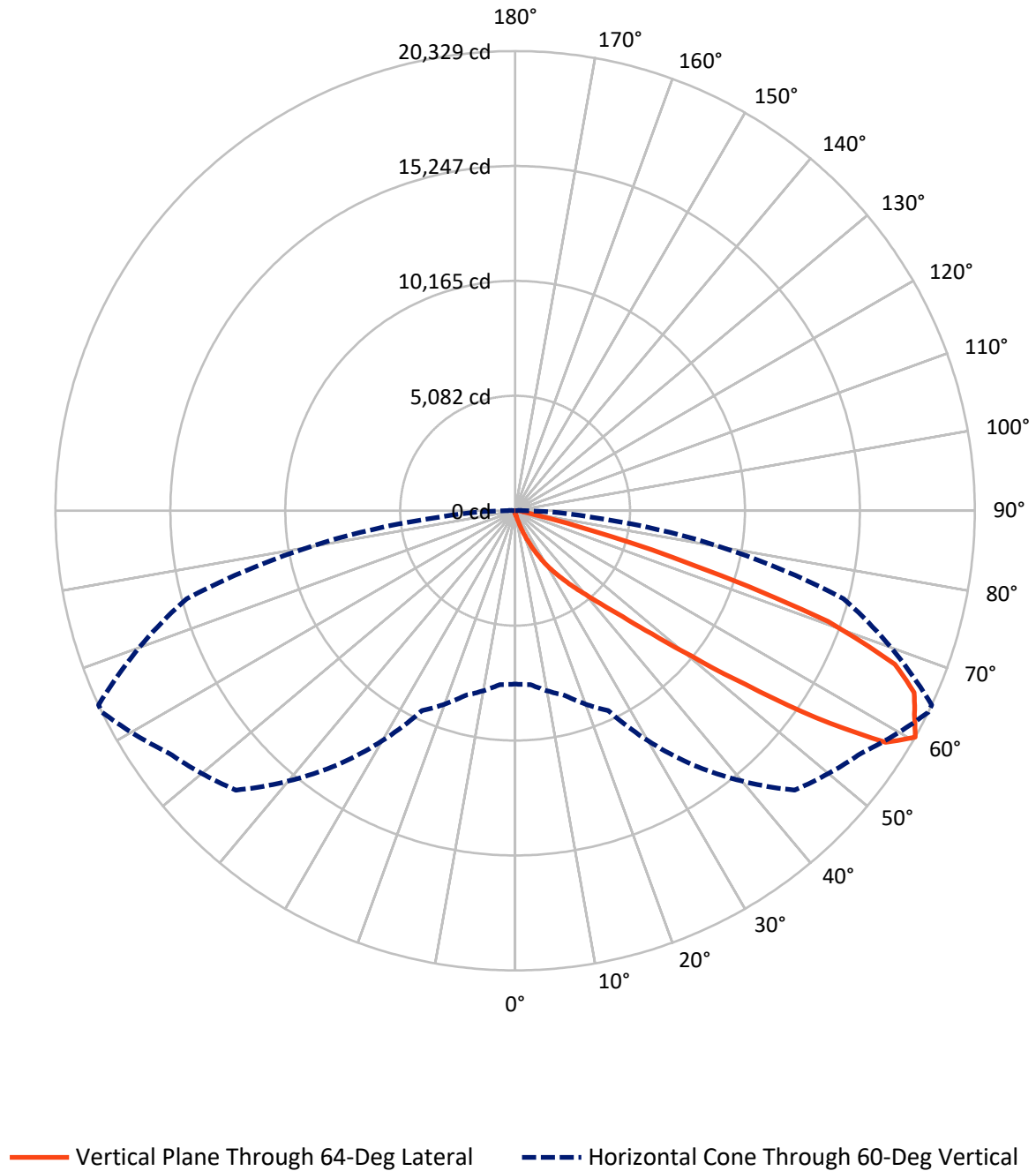


Based on 15 foot mounting height. Maximum calculated value = 25.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	73.3	0.0	73.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	18014.7	0.0	18014.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	18088.0	0.0	18088.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.1
10°-20°	177.8	1.0
20°-30°	590.3	3.3
30°-40°	1575.2	8.7
40°-50°	4003.8	22.1
50°-60°	5836.7	32.3
60°-70°	4508.3	24.9
70°-80°	1238.1	6.8
80°-90°	139.8	0.8
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°	18088.0	100.0
0°-180°	18088.0	100.0



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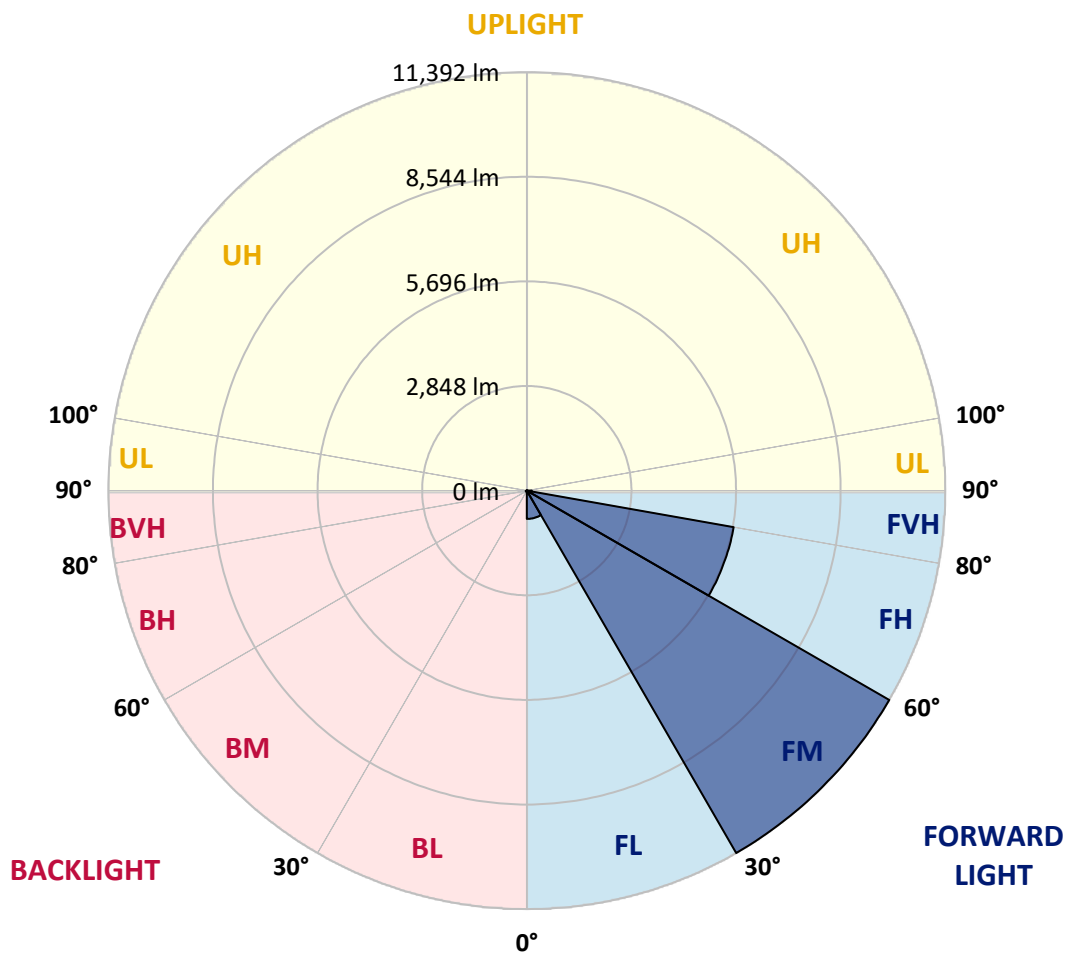
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	769.6	4.3			
FM	(30°-60°)	11391.5	63.0			
FH	(60°-80°)	5717.1	31.6			G3/7500
FVH	(80°-90°)	136.4	0.8			G2/225
BL	(0°-30°)	16.5	0.1	B0/110		
BM	(30°-60°)	24.3	0.1	B0/220		
BH	(60°-80°)	29.2	0.2	B0/110		G0/110
BVH	(80°-90°)	3.3	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5
2.5°	159.3	159.3	159.3	154.3	149.4	149.4	144.4	139.4	139.4	129.5	124.5
5°	244.0	244.0	234.0	224.1	209.1	189.2	169.3	154.3	154.3	139.4	129.5
7.5°	478.0	492.9	448.1	393.3	318.7	268.9	214.1	179.2	174.3	149.4	129.5
10°	1035.6	1025.7	956.0	821.5	647.3	468.0	298.7	219.1	209.1	159.3	129.5
12.5°	1558.4	1573.4	1498.7	1349.3	1140.2	831.5	512.8	283.8	273.8	174.3	129.5
15°	2006.5	2006.5	1956.7	1882.1	1653.0	1329.4	826.5	423.2	388.4	189.2	124.5
17.5°	2315.2	2310.2	2290.3	2270.4	2136.0	1802.4	1264.7	677.1	597.5	224.1	124.5
20°	2663.8	2648.8	2673.7	2633.9	2529.3	2265.4	1727.7	1005.8	931.1	283.8	124.5
22.5°	3027.2	3042.2	3062.1	3022.2	2907.7	2678.7	2215.6	1429.0	1349.3	393.3	129.5
25°	3490.3	3480.3	3525.1	3490.3	3345.9	3077.0	2673.7	1892.0	1777.5	547.7	139.4
27.5°	4057.9	4038.0	4067.8	3978.2	3789.0	3515.2	3082.0	2365.0	2230.6	786.7	159.3
30°	4809.7	4824.6	4690.2	4585.6	4316.8	3953.3	3535.1	2872.9	2733.5	1070.5	179.2
32.5°	5994.7	5890.1	5681.0	5257.8	4904.3	4441.3	3988.2	3316.0	3191.5	1433.9	209.1
35°	7841.9	7861.8	7403.7	6358.2	5591.4	5053.7	4486.1	3803.9	3714.3	1847.2	248.9
37.5°	10092.4	10037.6	9634.3	8314.9	6597.2	5815.5	5053.7	4336.7	4207.2	2295.3	298.7
40°	12641.6	12412.6	12178.6	11282.4	8693.3	6771.4	5770.6	4954.1	4854.5	2813.1	378.4
42.5°	14683.0	14623.3	14663.1	14289.7	12188.6	8399.5	6721.6	5710.9	5591.4	3455.4	517.8
45°	15688.8	15604.1	15843.1	16121.9	15584.2	11864.9	8255.2	6676.8	6517.5	4212.2	731.9
47.5°	15419.9	15360.2	15873.0	16420.7	17137.7	15883.0	10759.6	8120.7	7846.9	5183.1	1050.6
50°	14095.5	14100.5	14941.9	15962.6	17097.8	17919.4	14468.9	10097.4	9753.8	6472.7	1548.5
52.5°	12805.9	12845.8	13737.0	15225.7	16505.3	18158.4	17725.2	12761.1	12203.5	7991.3	2136.0
55°	11481.5	11501.5	12288.1	14384.3	16226.5	17446.4	19398.1	16191.7	15599.2	9883.3	2708.6
57.5°	10206.9	10206.9	10500.7	12362.8	15922.8	17381.6	19199.0	19328.4	18845.5	12044.2	3131.8
60°	7667.6	7717.4	8449.3	9753.8	13732.0	17476.2	18691.1	20329.2	20329.2	15041.5	3455.4
62.5°	3873.6	3948.3	4859.5	6129.1	9420.2	16171.7	18770.8	19826.3	19906.0	17685.3	4192.3
65°	1817.3	1902.0	2389.9	3286.1	5068.6	11382.0	17944.3	19398.1	19373.2	17182.5	5745.7
67.5°	1304.5	1329.4	1493.7	1916.9	2728.5	4988.9	13697.2	18118.5	18128.5	14598.4	6607.1
70°	1170.1	1170.1	1209.9	1334.4	1643.1	2230.6	6656.9	14673.1	15385.1	11272.4	6124.1
72.5°	1155.1	1145.2	1135.2	1140.2	1110.3	1120.3	2285.4	8285.0	9300.7	7886.7	4884.4
75°	1125.3	1125.3	1115.3	1080.4	886.3	722.0	786.7	3350.9	3873.6	5267.8	3624.7
77.5°	891.2	980.9	1085.4	1020.7	811.6	542.7	458.1	970.9	1224.8	3231.4	2628.9
80°	413.3	418.2	413.3	433.2	517.8	388.4	338.6	473.0	478.0	1792.4	1628.1
82.5°	298.7	303.7	288.8	258.9	229.0	209.1	278.8	348.5	373.4	821.5	607.4
85°	89.6	84.6	99.6	134.4	159.3	184.2	234.0	293.8	308.7	303.7	89.6
87.5°	39.8	39.8	49.8	69.7	94.6	139.4	204.1	268.9	273.8	313.7	24.9
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-SA4C-727-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5	119.5
2.5°	124.5	119.5	114.5	109.5	104.6	99.6	94.6	94.6	99.6	99.6	99.6
5°	119.5	114.5	104.6	94.6	89.6	84.6	79.7	79.7	84.6	84.6	84.6
7.5°	119.5	109.5	99.6	89.6	79.7	74.7	69.7	69.7	69.7	74.7	74.7
10°	119.5	109.5	94.6	79.7	69.7	64.7	59.7	54.8	59.7	59.7	59.7
12.5°	114.5	104.6	89.6	74.7	59.7	49.8	44.8	44.8	44.8	44.8	44.8
15°	109.5	99.6	84.6	64.7	49.8	39.8	29.9	29.9	29.9	34.9	34.9
17.5°	104.6	94.6	74.7	49.8	34.9	24.9	19.9	19.9	19.9	24.9	24.9
20°	104.6	89.6	64.7	39.8	24.9	14.9	10.0	10.0	10.0	14.9	19.9
22.5°	104.6	89.6	59.7	29.9	14.9	10.0	5.0	5.0	5.0	5.0	5.0
25°	104.6	84.6	54.8	24.9	10.0	5.0	0.0	0.0	5.0	10.0	14.9
27.5°	104.6	79.7	44.8	14.9	10.0	5.0	0.0	5.0	10.0	10.0	10.0
30°	104.6	79.7	39.8	14.9	5.0	0.0	0.0	5.0	10.0	10.0	14.9
32.5°	109.5	74.7	34.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	114.5	69.7	29.9	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	124.5	69.7	19.9	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	139.4	74.7	19.9	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	174.3	79.7	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	244.0	99.6	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	358.5	149.4	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	522.8	204.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	642.3	204.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	637.3	129.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	487.9	89.6	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	413.3	64.7	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	497.9	49.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	886.3	44.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1424.0	44.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1593.3	44.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1244.7	39.8	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	682.1	34.9	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	343.5	24.9	10.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	144.4	19.9	10.0	5.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
82.5°	49.8	19.9	10.0	10.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0
85°	24.9	14.9	14.9	10.0	10.0	5.0	5.0	0.0	0.0	0.0	0.0
87.5°	14.9	14.9	14.9	10.0	10.0	5.0	5.0	0.0	0.0	0.0	5.0
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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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 $\text{W}^\wedge/\text{nm}$	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)