

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: P1066978

Luminaire Tested: **NAV-SA6B-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066978
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6B-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 6xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (84) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23318.6 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 211
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



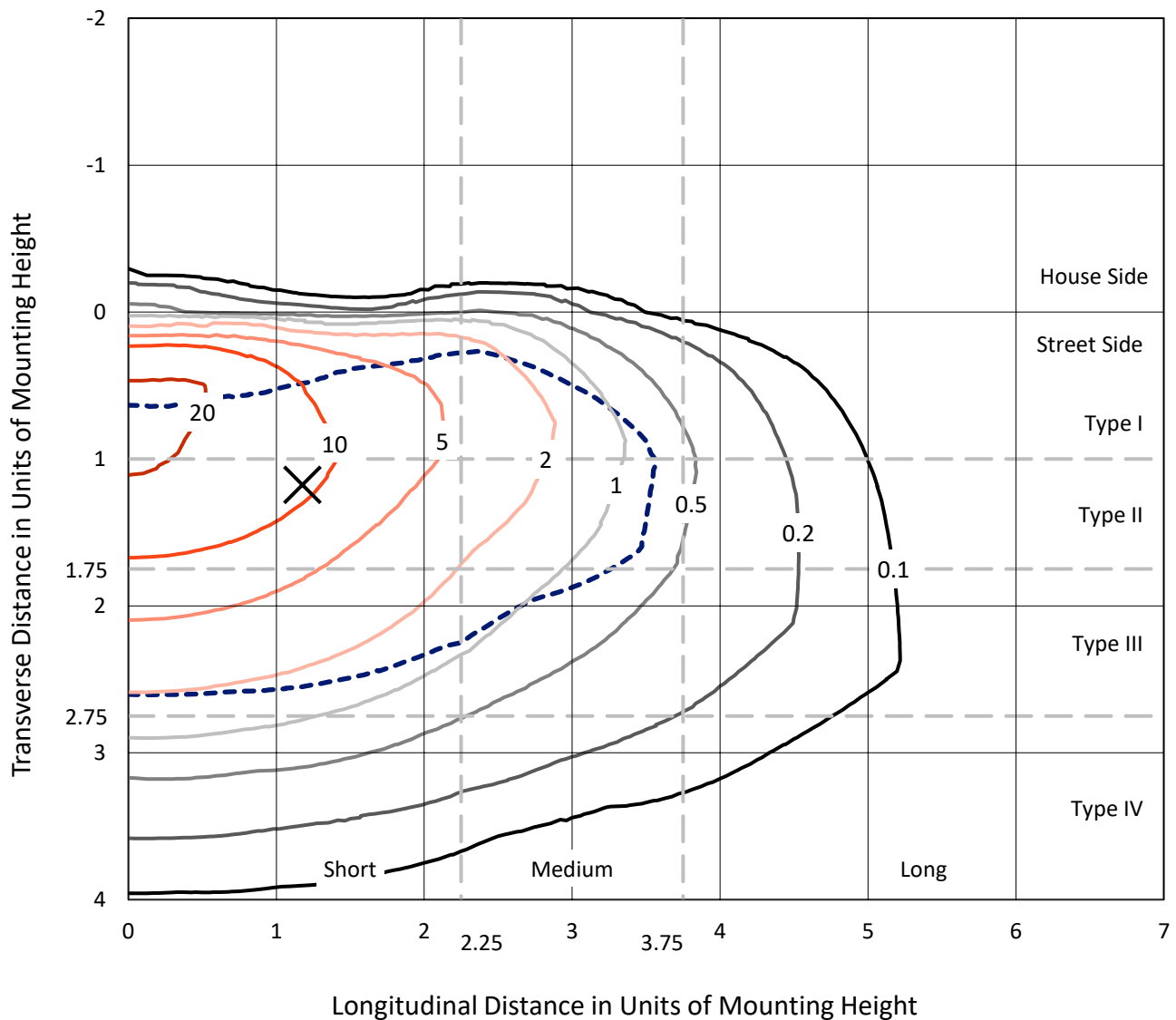
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

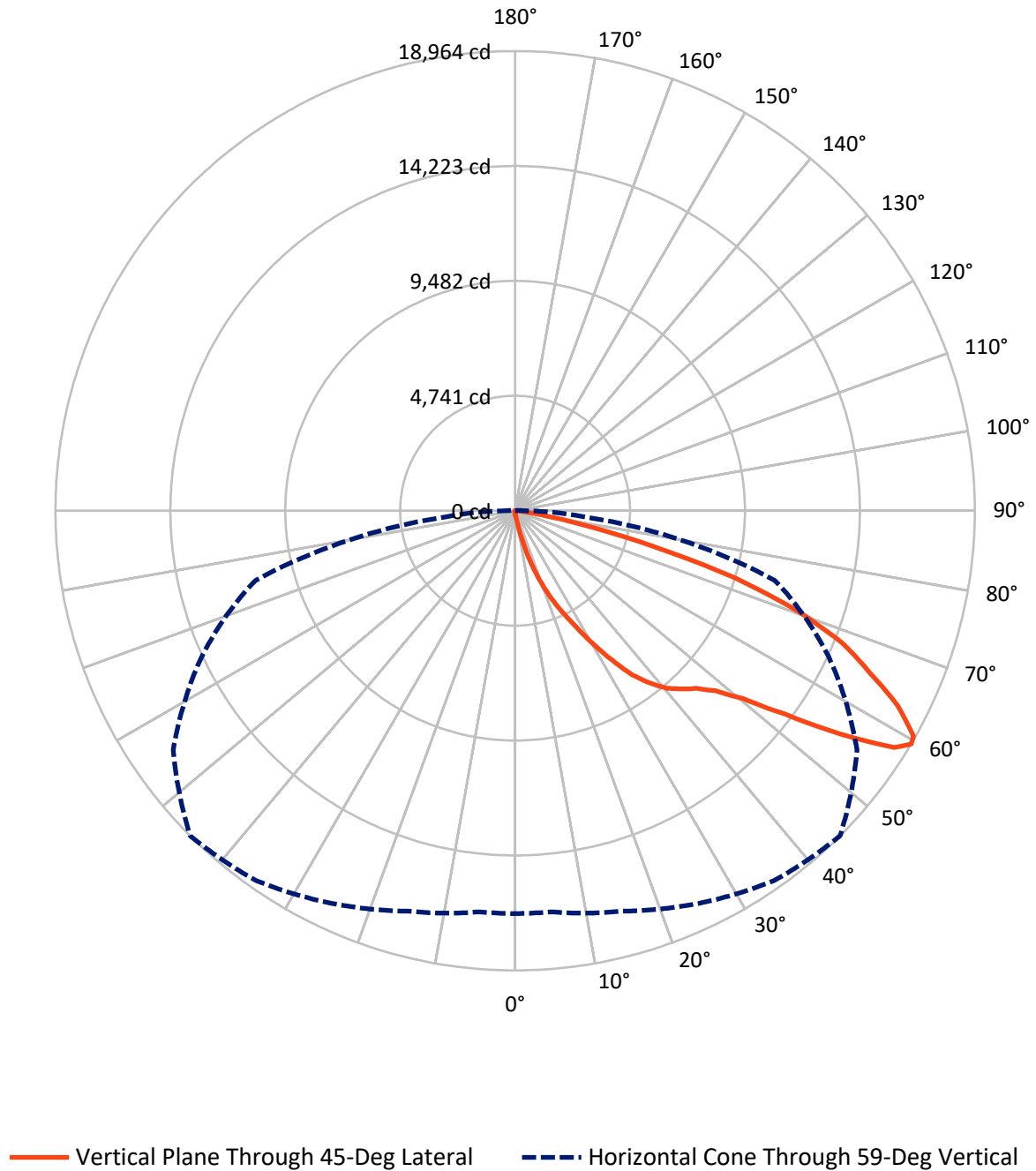


Based on 15 foot mounting height. Maximum calculated value = 25.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.8	0.0	82.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	23235.8	0.0	23235.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	23318.6	0.0	23318.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.7	0.1
10°-20°	257.7	1.1
20°-30°	926.1	4.0
30°-40°	2152.0	9.2
40°-50°	3667.9	15.7
50°-60°	6043.7	25.9
60°-70°	6987.9	30.0
70°-80°	3002.2	12.9
80°-90°	259.4	1.1
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°	23318.6	100.0
0°-180°	23318.6	100.0



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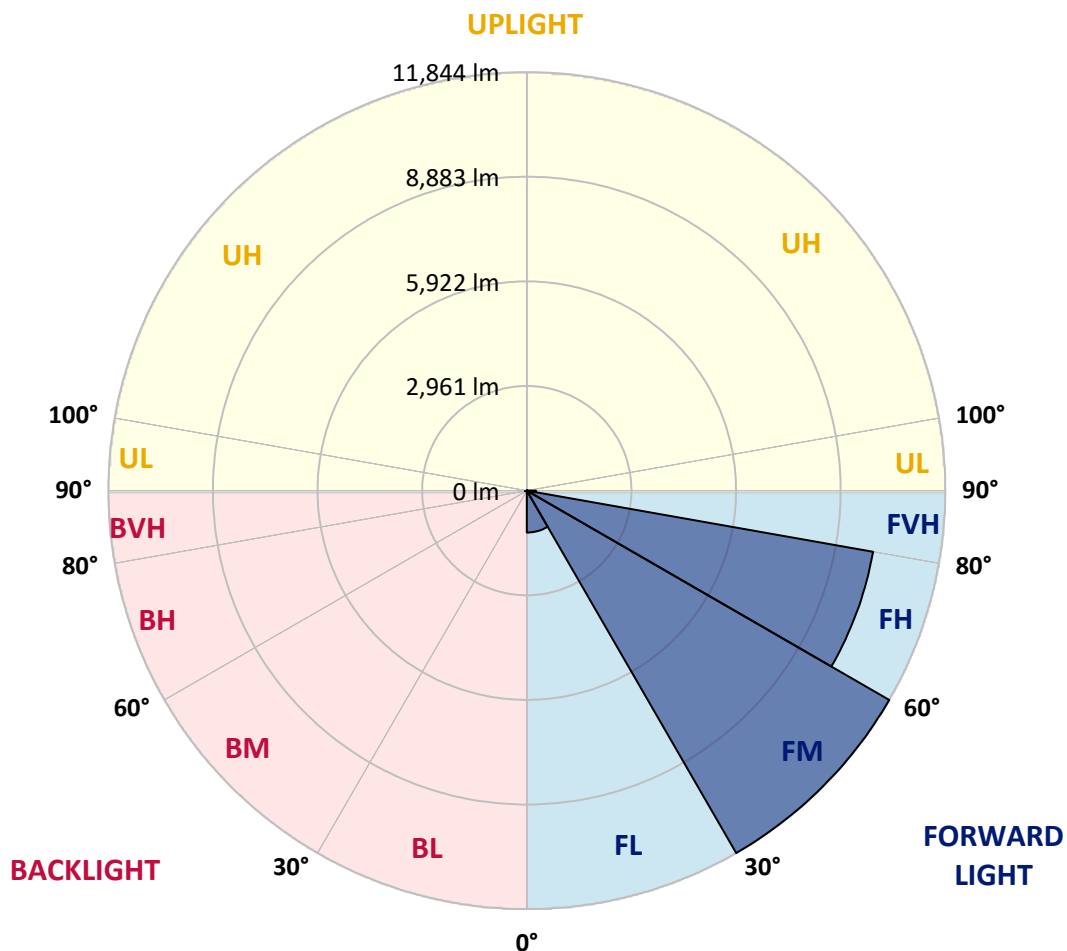
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1185.1	5.1			
FM	(30°-60°)	11843.6	50.8			
FH	(60°-80°)	9951.1	42.7			G4/12000
FVH	(80°-90°)	256.1	1.1			G3/500
BL	(0°-30°)	20.4	0.1	B0/110		
BM	(30°-60°)	20.0	0.1	B0/220		
BH	(60°-80°)	39.0	0.2	B0/110		G0/110
BVH	(80°-90°)	3.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4
2.5°	191.3	191.3	186.6	180.3	178.7	174.0	174.0	169.3	163.1	158.4	152.1
5°	277.5	276.0	263.4	247.7	227.4	214.8	214.8	197.6	181.9	167.8	155.2
7.5°	606.8	592.7	547.2	472.0	373.2	307.3	302.6	246.2	208.5	180.3	156.8
10°	1392.3	1343.7	1279.4	1099.1	812.2	567.6	556.6	359.1	249.3	194.4	159.9
12.5°	2281.4	2320.6	2192.0	1908.2	1572.7	1169.7	1091.3	605.2	329.3	213.2	163.1
15°	3090.4	3081.0	3008.9	2776.8	2389.6	1853.3	1804.7	1052.1	472.0	243.0	166.2
17.5°	3695.7	3684.7	3615.7	3466.7	3168.8	2632.6	2590.3	1677.7	740.1	285.4	169.3
20°	4333.8	4319.7	4222.5	4103.3	3843.0	3386.8	3336.6	2377.0	1158.7	354.4	169.3
22.5°	5099.0	5072.3	4968.8	4766.6	4492.2	4095.5	4050.0	3092.0	1677.7	467.2	177.2
25°	6024.1	5978.6	5835.9	5654.0	5323.2	4796.4	4747.8	3888.5	2303.3	638.2	185.0
27.5°	7079.3	7087.1	6894.3	6587.0	6143.2	5605.4	5514.5	4601.9	2950.9	882.8	194.4
30°	8332.1	8253.7	7982.4	7624.9	7193.8	6508.6	6420.8	5312.2	3678.4	1243.4	210.1
32.5°	9504.9	9420.2	9054.9	8604.9	8142.4	7419.5	7347.4	6110.3	4340.1	1669.9	238.3
35°	10511.5	10452.0	9940.8	9392.0	8981.2	8335.2	8313.3	7000.9	5117.8	2129.3	269.7
37.5°	11397.4	11289.2	10632.3	10063.1	9646.0	9067.5	9020.4	7816.2	5867.3	2662.4	316.7
40°	12153.2	12093.6	11292.4	10544.5	10205.8	9688.4	9628.8	8531.2	6641.8	3281.7	374.7
42.5°	12962.2	12883.8	12106.1	11267.3	10643.2	10089.8	10050.6	9120.8	7331.7	3962.2	461.0
45°	13876.4	13730.5	13048.5	12295.9	11347.3	10505.3	10461.4	9646.0	8038.9	4692.9	566.0
47.5°	14853.2	14726.2	14174.3	13645.9	12554.6	11190.5	11096.4	10092.9	8741.3	5536.4	699.3
50°	15847.3	15850.4	15436.5	15182.5	14030.0	12303.7	12170.4	10749.9	9479.8	6439.6	896.9
52.5°	17004.4	17034.2	17027.9	16839.8	15946.0	14124.1	13945.3	11747.1	10337.5	7493.2	1169.7
55°	17488.9	17542.2	17888.7	18305.8	18062.8	16432.1	16240.8	13467.1	11474.3	8667.6	1574.2
57.5°	17092.2	17151.8	17630.0	18360.7	18918.9	18453.2	18431.2	15706.2	12971.6	10091.3	2235.9
59°	16620.3	16612.4	17103.2	17877.8	18630.4	18933.0	18964.4	17220.8	14276.2	11090.1	2806.6
60°	16306.7	16312.9	16639.1	17434.0	18233.7	18759.0	18881.3	18113.0	15038.2	11808.2	3295.8
62.5°	15096.2	15168.3	15427.1	16165.6	16924.4	17510.9	17719.4	18907.9	17219.2	13504.8	4997.1
65°	13780.7	13785.4	14153.9	14785.8	15513.3	15925.7	16057.4	17670.8	18675.8	15232.6	7228.2
67.5°	11433.5	11529.1	11947.8	12971.6	13932.8	14454.9	14555.3	15381.6	18072.2	16358.4	8346.2
70°	8001.2	8126.7	8724.1	10052.1	11483.7	12341.3	12335.1	12786.6	15905.3	15856.7	7076.2
72.5°	3995.1	4211.5	4699.1	6121.3	7855.4	9202.3	9486.1	10285.8	12777.2	13170.8	5279.3
75°	1765.5	1778.1	2055.6	2772.1	3904.2	5614.8	5868.8	8164.3	9802.8	9153.7	3813.3
77.5°	1027.0	1036.4	1086.6	1245.0	1582.1	2751.8	3037.1	5354.5	6927.2	5320.1	2486.8
80°	373.2	382.6	381.0	472.0	693.0	1083.5	1207.3	2595.0	4620.7	2801.9	1303.0
82.5°	228.9	228.9	221.1	222.6	252.4	415.5	454.7	1105.4	2250.0	1379.8	373.2
85°	112.9	119.2	127.0	142.7	169.3	205.4	217.9	316.7	757.3	334.0	89.4
87.5°	67.4	69.0	75.3	90.9	112.9	147.4	156.8	214.8	271.3	224.2	22.0
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-SA6B-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4	147.4
2.5°	149.0	147.4	139.5	133.3	127.0	120.7	116.0	111.3	111.3	112.9	111.3
5°	149.0	142.7	130.1	119.2	109.8	101.9	94.1	87.8	86.2	86.2	87.8
7.5°	147.4	139.5	122.3	108.2	95.6	84.7	76.8	69.0	67.4	69.0	67.4
10°	145.8	136.4	116.0	98.8	81.5	70.6	59.6	51.7	51.7	51.7	53.3
12.5°	145.8	131.7	109.8	89.4	70.6	58.0	47.0	39.2	37.6	37.6	37.6
15°	144.3	128.6	103.5	78.4	59.6	43.9	34.5	26.7	26.7	26.7	26.7
17.5°	141.1	123.9	95.6	69.0	47.0	32.9	23.5	15.7	15.7	18.8	18.8
20°	138.0	119.2	86.2	56.4	39.2	25.1	15.7	9.4	9.4	14.1	15.7
22.5°	139.5	119.2	80.0	50.2	31.4	18.8	12.5	7.8	6.3	11.0	14.1
25°	141.1	116.0	72.1	43.9	23.5	14.1	9.4	3.1	1.6	3.1	4.7
27.5°	141.1	112.9	62.7	34.5	17.2	11.0	4.7	0.0	0.0	0.0	0.0
30°	139.5	108.2	54.9	28.2	12.5	6.3	1.6	0.0	0.0	0.0	0.0
32.5°	138.0	103.5	50.2	22.0	11.0	3.1	0.0	0.0	0.0	0.0	0.0
35°	139.5	97.2	43.9	17.2	6.3	0.0	0.0	0.0	0.0	0.0	3.1
37.5°	144.3	90.9	37.6	14.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	150.5	86.2	31.4	11.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	163.1	86.2	28.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	178.7	86.2	23.5	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	199.1	87.8	20.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	224.2	90.9	18.8	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	243.0	87.8	17.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	276.0	84.7	15.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	319.9	80.0	15.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	363.8	73.7	15.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	413.9	70.6	14.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	683.6	62.7	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1320.2	59.6	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2134.0	59.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2243.7	59.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1492.7	48.6	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	799.7	43.9	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	431.2	40.8	6.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	189.7	29.8	7.8	4.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	75.3	20.4	9.4	7.8	6.3	3.1	0.0	0.0	0.0	0.0	0.0
85°	36.1	15.7	12.5	11.0	7.8	4.7	0.0	0.0	0.0	0.0	0.0
87.5°	17.2	15.7	14.1	12.5	11.0	7.8	1.6	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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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



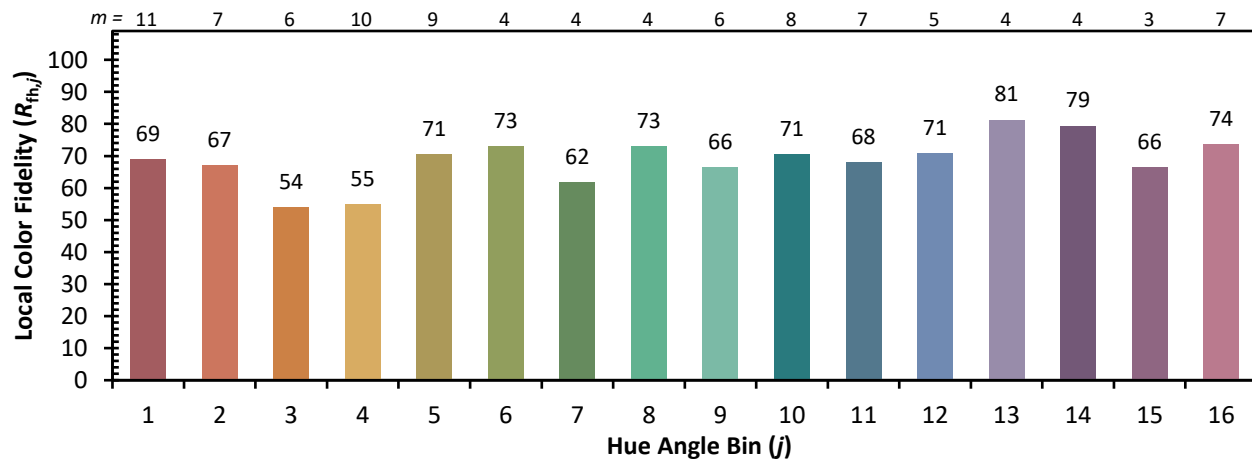
Color Vector Graphics



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)