

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: P1067208

Luminaire Tested: **NAV-SA3D-727-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067208
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3D-727-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 3xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (42) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15037.2 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 160.9
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



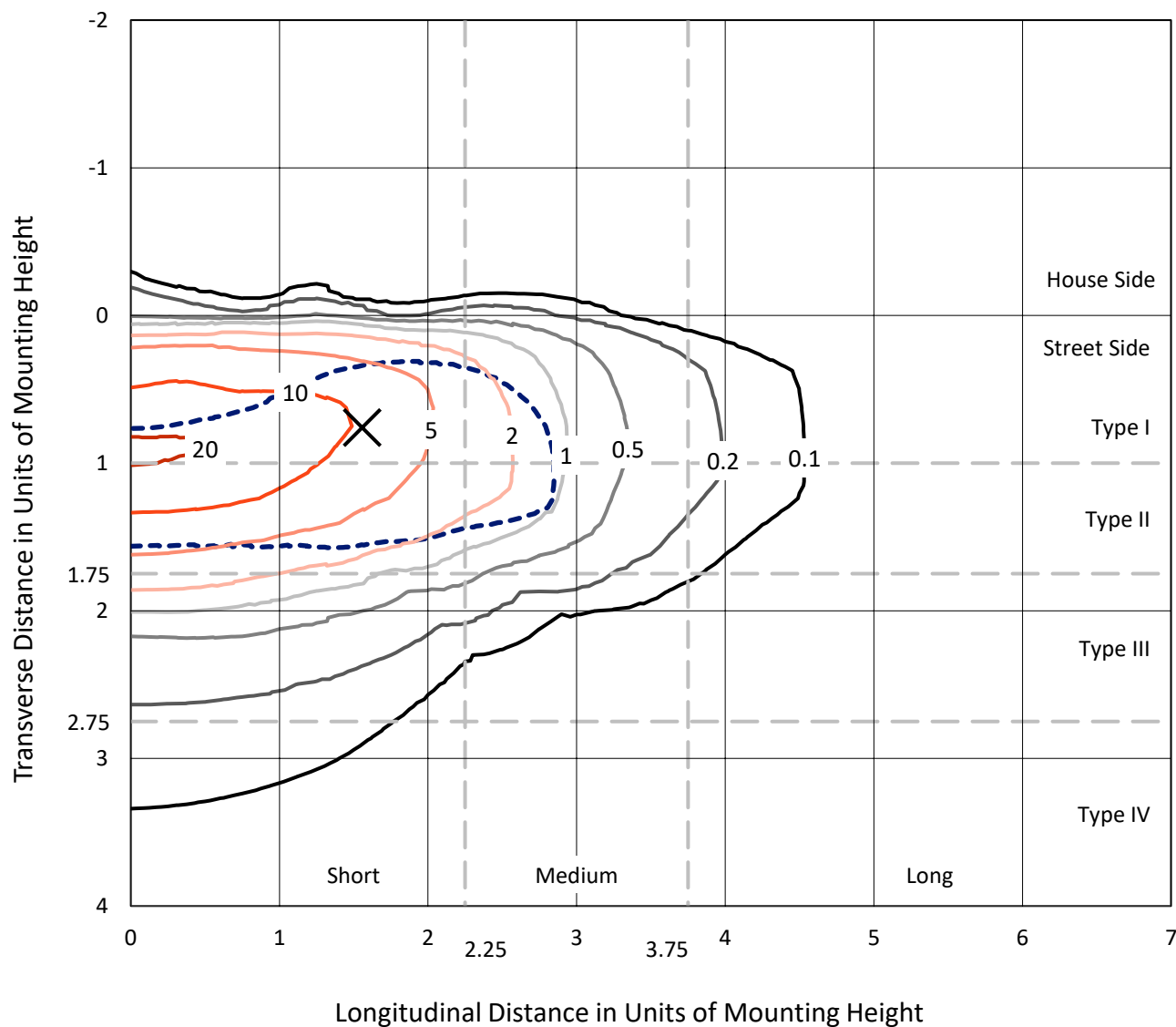
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

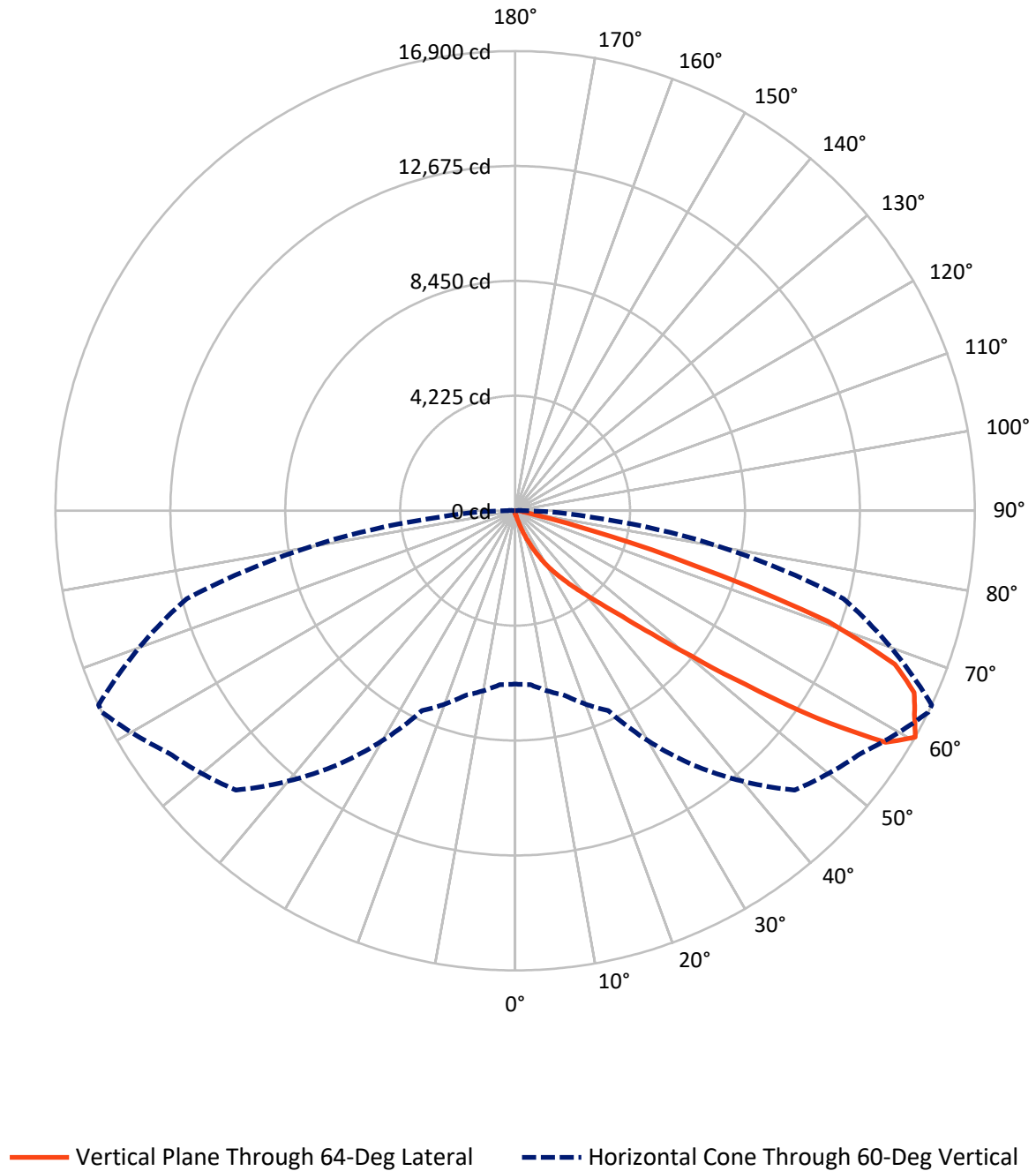


Based on 15 foot mounting height. Maximum calculated value = 21.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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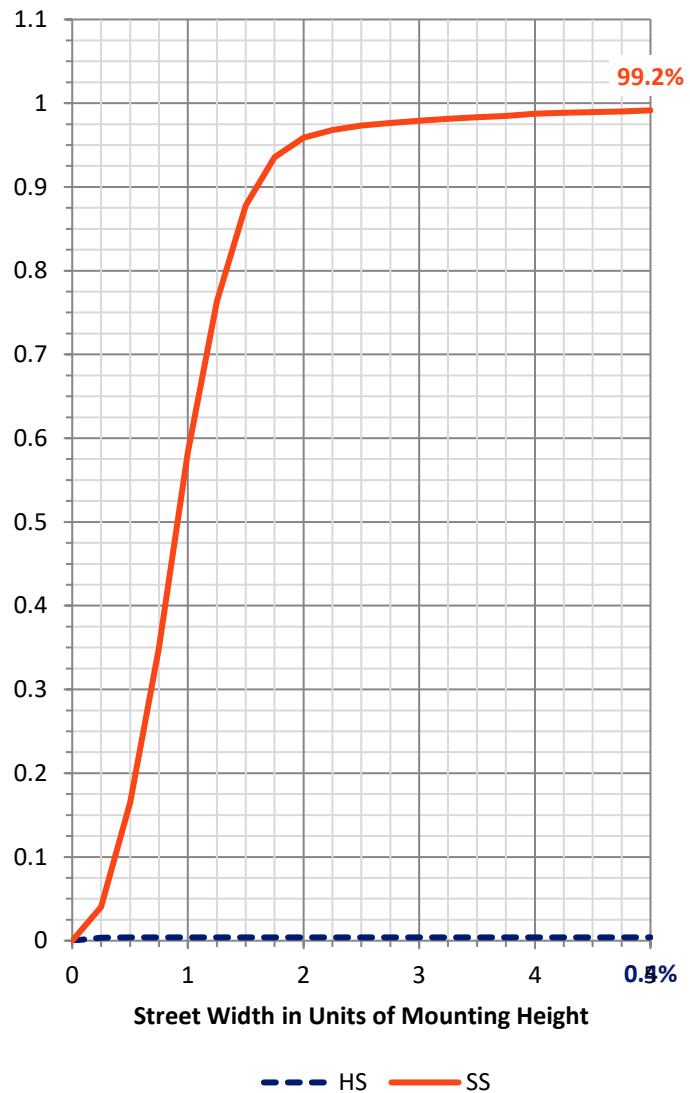
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	60.9	0.0	60.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	14976.3	0.0	14976.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	15037.2	0.0	15037.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.1
10°-20°	147.8	1.0
20°-30°	490.8	3.3
30°-40°	1309.5	8.7
40°-50°	3328.5	22.1
50°-60°	4852.3	32.3
60°-70°	3747.9	24.9
70°-80°	1029.2	6.8
80°-90°	116.2	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°	15037.2	100.0
0°-180°	15037.2	100.0



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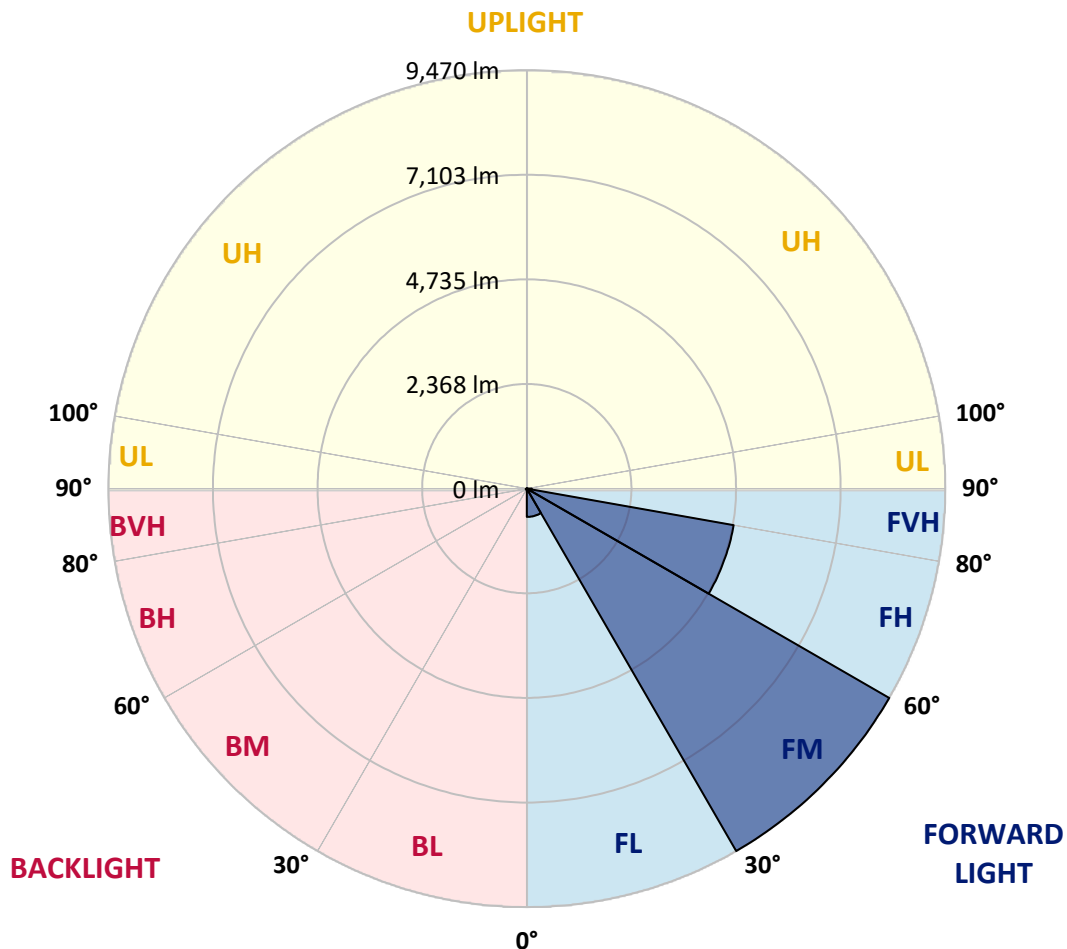
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	639.8	4.3			
FM	(30°-60°)	9470.2	63.0			
FH	(60°-80°)	4752.8	31.6			G2/5000
FVH	(80°-90°)	113.4	0.8			G2/225
BL	(0°-30°)	13.7	0.1	B0/110		
BM	(30°-60°)	20.2	0.1	B0/220		
BH	(60°-80°)	24.3	0.2	B0/110		G0/110
BVH	(80°-90°)	2.7	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-G2

Type II Short



REPORT NUMBER: P1067208

CATALOG NUMBER: NAV-SA3D-727-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	132.5	132.5	132.5	128.3	124.2	124.2	120.0	115.9	115.9	107.6	103.5
5°	202.8	202.8	194.5	186.3	173.8	157.3	140.7	128.3	128.3	115.9	107.6
7.5°	397.4	409.8	372.5	327.0	264.9	223.5	178.0	149.0	144.9	124.2	107.6
10°	861.0	852.7	794.7	683.0	538.1	389.1	248.4	182.1	173.8	132.5	107.6
12.5°	1295.6	1308.0	1245.9	1121.7	947.9	691.2	426.3	235.9	227.7	144.9	107.6
15°	1668.1	1668.1	1626.7	1564.6	1374.2	1105.2	687.1	351.8	322.9	157.3	103.5
17.5°	1924.7	1920.6	1904.0	1887.5	1775.7	1498.4	1051.4	562.9	496.7	186.3	103.5
20°	2214.5	2202.1	2222.8	2189.6	2102.7	1883.3	1436.3	836.1	774.0	235.9	103.5
22.5°	2516.6	2529.1	2545.6	2512.5	2417.3	2226.9	1841.9	1188.0	1121.7	327.0	107.6
25°	2901.6	2893.3	2930.6	2901.6	2781.5	2558.0	2222.8	1572.9	1477.7	455.3	115.9
27.5°	3373.5	3356.9	3381.7	3307.2	3149.9	2922.3	2562.2	1966.1	1854.4	654.0	132.5
30°	3998.5	4010.9	3899.1	3812.2	3588.7	3286.5	2938.8	2388.3	2272.4	889.9	149.0
32.5°	4983.6	4896.7	4722.8	4371.0	4077.1	3692.2	3315.5	2756.7	2653.2	1192.1	173.8
35°	6519.3	6535.8	6155.0	5285.8	4648.3	4201.3	3729.4	3162.4	3087.8	1535.6	207.0
37.5°	8390.2	8344.6	8009.4	6912.5	5484.4	4834.6	4201.3	3605.2	3497.6	1908.2	248.4
40°	10509.4	10319.0	10124.5	9379.4	7227.1	5629.3	4797.3	4118.5	4035.7	2338.7	314.6
42.5°	12206.5	12156.9	12190.0	11879.5	10132.8	6982.8	5587.9	4747.7	4648.3	2872.6	430.5
45°	13042.6	12972.3	13171.0	13402.8	12955.7	9863.7	6862.8	5550.7	5418.2	3501.8	608.5
47.5°	12819.1	12769.5	13195.8	13651.1	14247.1	13204.1	8944.8	6751.0	6523.4	4308.9	873.4
50°	11718.1	11722.2	12421.8	13270.3	14214.0	14897.0	12028.5	8394.3	8108.7	5381.0	1287.3
52.5°	10646.0	10679.2	11420.1	12657.7	13721.5	15095.7	14735.6	10608.8	10145.2	6643.4	1775.7
55°	9545.0	9561.6	10215.6	11958.2	13489.7	14503.8	16126.3	13460.7	12968.1	8216.3	2251.7
57.5°	8485.4	8485.4	8729.6	10277.7	13237.2	14450.0	15960.8	16068.4	15666.9	10012.7	2603.6
60°	6374.4	6415.8	7024.2	8108.7	11415.9	14528.6	15538.6	16900.4	16900.4	12504.5	2872.6
62.5°	3220.3	3282.4	4039.9	5095.4	7831.4	13444.1	15604.8	16482.3	16548.5	14702.5	3485.2
65°	1510.8	1581.2	1986.8	2731.9	4213.7	9462.2	14917.7	16126.3	16105.7	14284.4	4776.6
67.5°	1084.5	1105.2	1241.8	1593.6	2268.3	4147.5	11387.0	15062.6	15070.9	12136.2	5492.7
70°	972.7	972.7	1005.8	1109.3	1365.9	1854.4	5534.1	12198.2	12790.1	9371.2	5091.2
72.5°	960.3	952.0	943.7	947.9	923.0	931.3	1899.9	6887.6	7732.0	6556.5	4060.6
75°	935.5	935.5	927.2	898.2	736.8	600.2	654.0	2785.7	3220.3	4379.3	3013.3
77.5°	740.9	815.4	902.3	848.5	674.7	451.2	380.8	807.1	1018.2	2686.3	2185.5
80°	343.6	347.7	343.6	360.1	430.5	322.9	281.5	393.2	397.4	1490.1	1353.5
82.5°	248.4	252.5	240.1	215.2	190.4	173.8	231.8	289.7	310.4	683.0	505.0
85°	74.5	70.4	82.8	111.8	132.5	153.2	194.5	244.2	256.6	252.5	74.5
87.5°	33.1	33.1	41.4	57.9	78.6	115.9	169.7	223.5	227.7	260.8	20.7
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-SA3D-727-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2.5°	103.5	99.3	95.2	91.1	86.9	82.8	78.6	78.6	82.8	82.8	82.8
5°	99.3	95.2	86.9	78.6	74.5	70.4	66.2	66.2	70.4	70.4	70.4
7.5°	99.3	91.1	82.8	74.5	66.2	62.1	57.9	57.9	57.9	62.1	62.1
10°	99.3	91.1	78.6	66.2	57.9	53.8	49.7	45.5	49.7	49.7	49.7
12.5°	95.2	86.9	74.5	62.1	49.7	41.4	37.3	37.3	37.3	37.3	37.3
15°	91.1	82.8	70.4	53.8	41.4	33.1	24.8	24.8	24.8	29.0	29.0
17.5°	86.9	78.6	62.1	41.4	29.0	20.7	16.6	16.6	16.6	20.7	20.7
20°	86.9	74.5	53.8	33.1	20.7	12.4	8.3	8.3	8.3	12.4	16.6
22.5°	86.9	74.5	49.7	24.8	12.4	8.3	4.1	4.1	4.1	4.1	4.1
25°	86.9	70.4	45.5	20.7	8.3	4.1	0.0	0.0	4.1	8.3	12.4
27.5°	86.9	66.2	37.3	12.4	8.3	4.1	0.0	4.1	8.3	8.3	8.3
30°	86.9	66.2	33.1	12.4	4.1	0.0	0.0	4.1	8.3	8.3	12.4
32.5°	91.1	62.1	29.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	95.2	57.9	24.8	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	103.5	57.9	16.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	115.9	62.1	16.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	144.9	66.2	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	202.8	82.8	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	298.0	124.2	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	434.6	169.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	534.0	169.7	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	529.8	107.6	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	405.6	74.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	343.6	53.8	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	413.9	41.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	736.8	37.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1183.8	37.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1324.5	37.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1034.8	33.1	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	567.1	29.0	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	285.6	20.7	8.3	4.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	120.0	16.6	8.3	4.1	4.1	4.1	0.0	0.0	0.0	0.0	0.0
82.5°	41.4	16.6	8.3	8.3	4.1	4.1	0.0	0.0	0.0	0.0	0.0
85°	20.7	12.4	12.4	8.3	8.3	4.1	4.1	0.0	0.0	0.0	0.0
87.5°	12.4	12.4	12.4	8.3	8.3	4.1	4.1	0.0	0.0	0.0	4.1
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

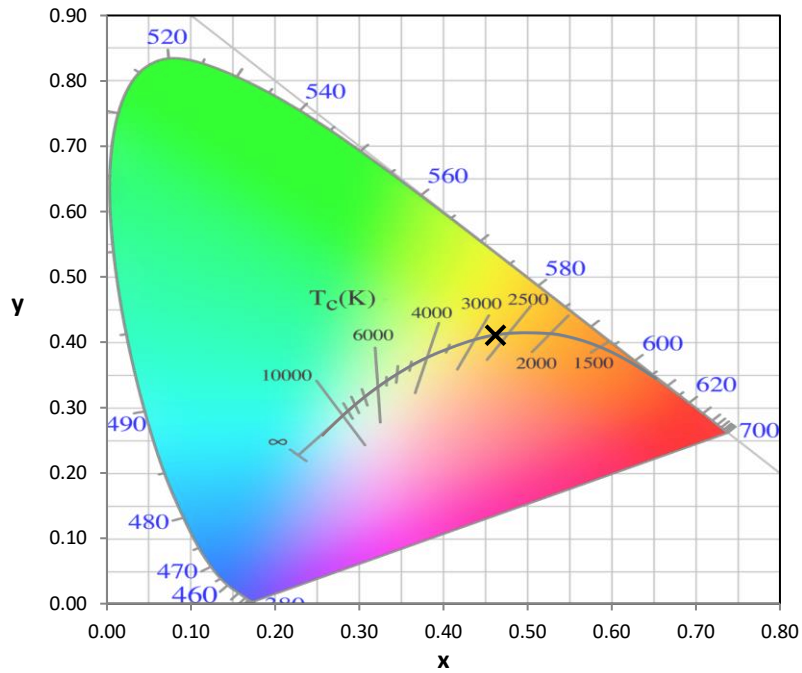
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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 $\text{W}^\wedge/\text{nm}$	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 $\text{W}^{\wedge}/\text{nm}$	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

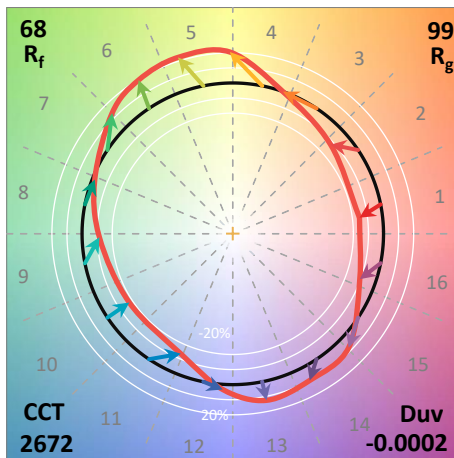
Summary

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

Spectral Power Distribution Comparison



Color Vector Graphics



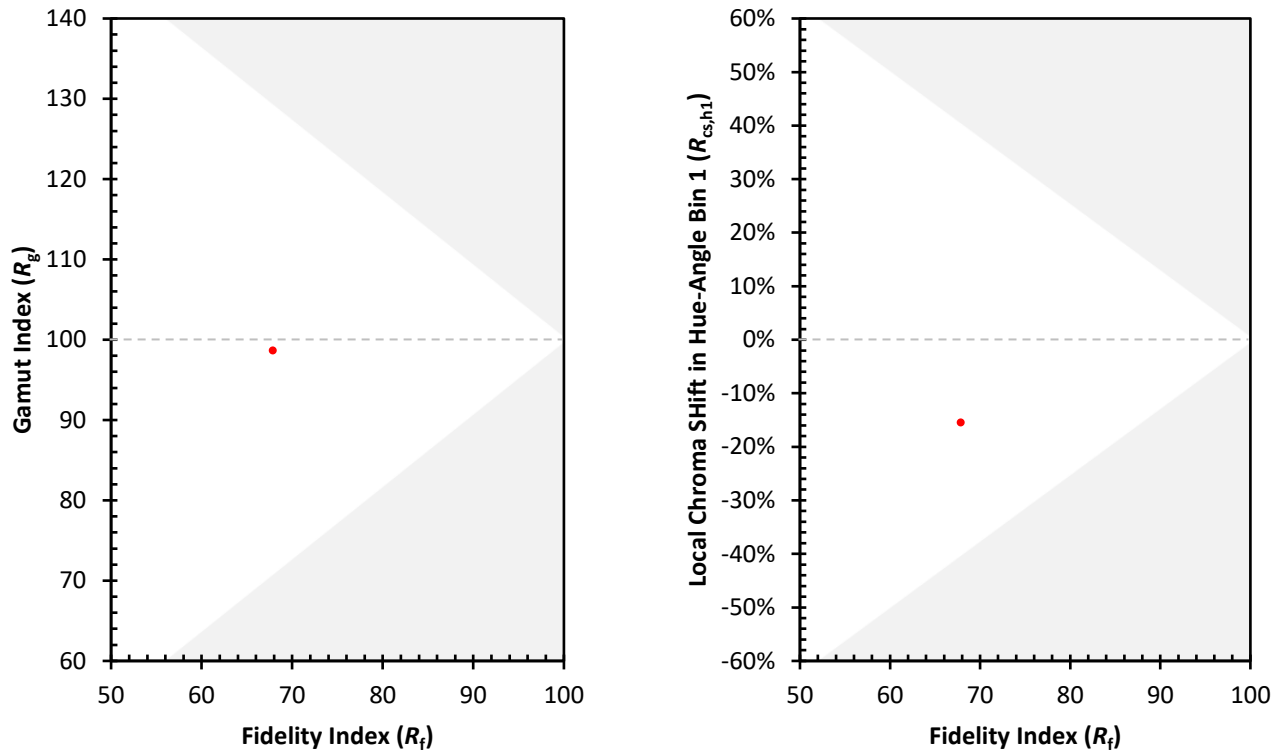
Individual Sample Fidelity Index ($R_{f,i}$)

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)