

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: P1067180

Luminaire Tested: **NAV-SA2D-722-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067180
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2D-722-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (28) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8882.5 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107
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



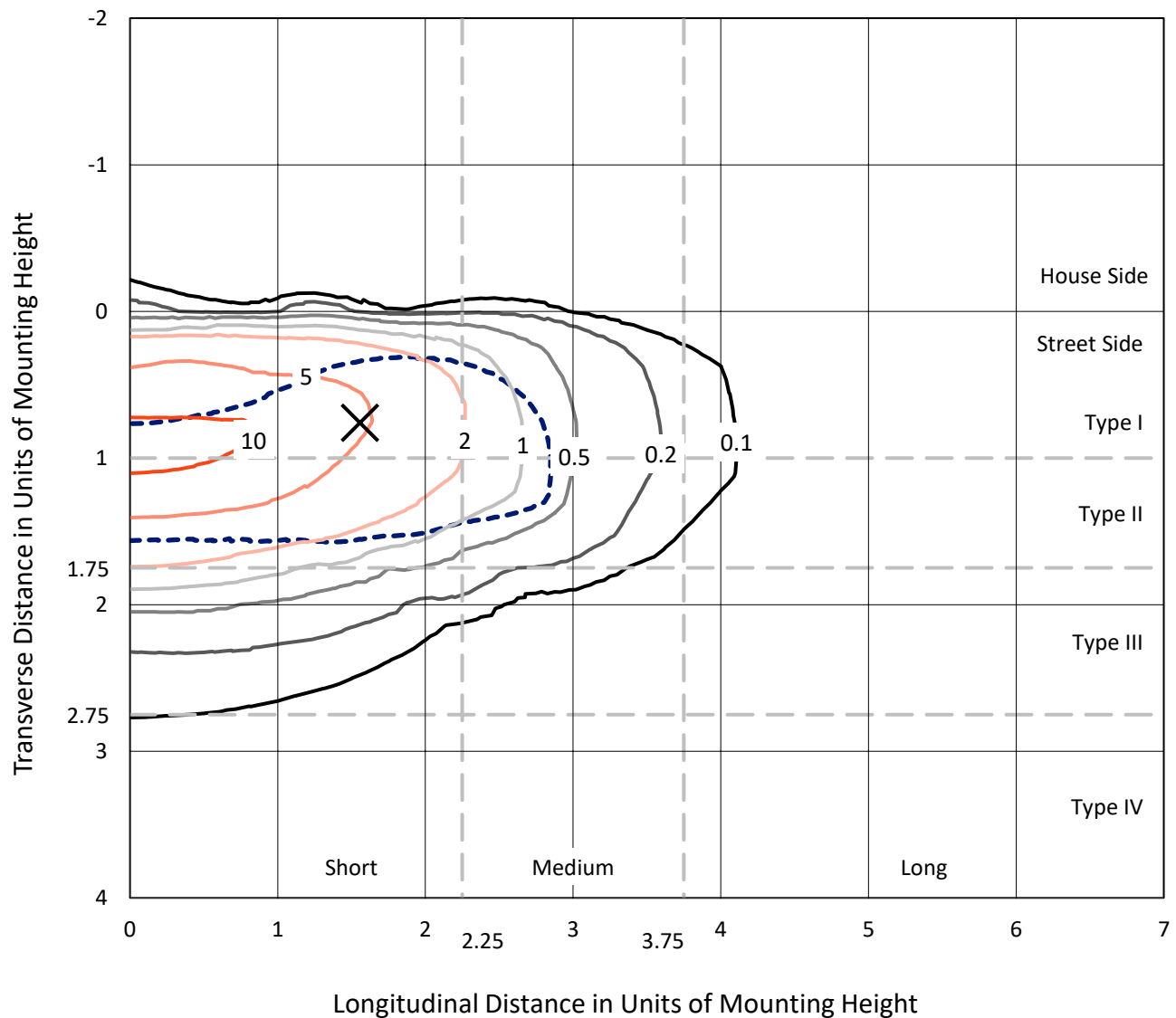
REPORT NUMBER: P1067180

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

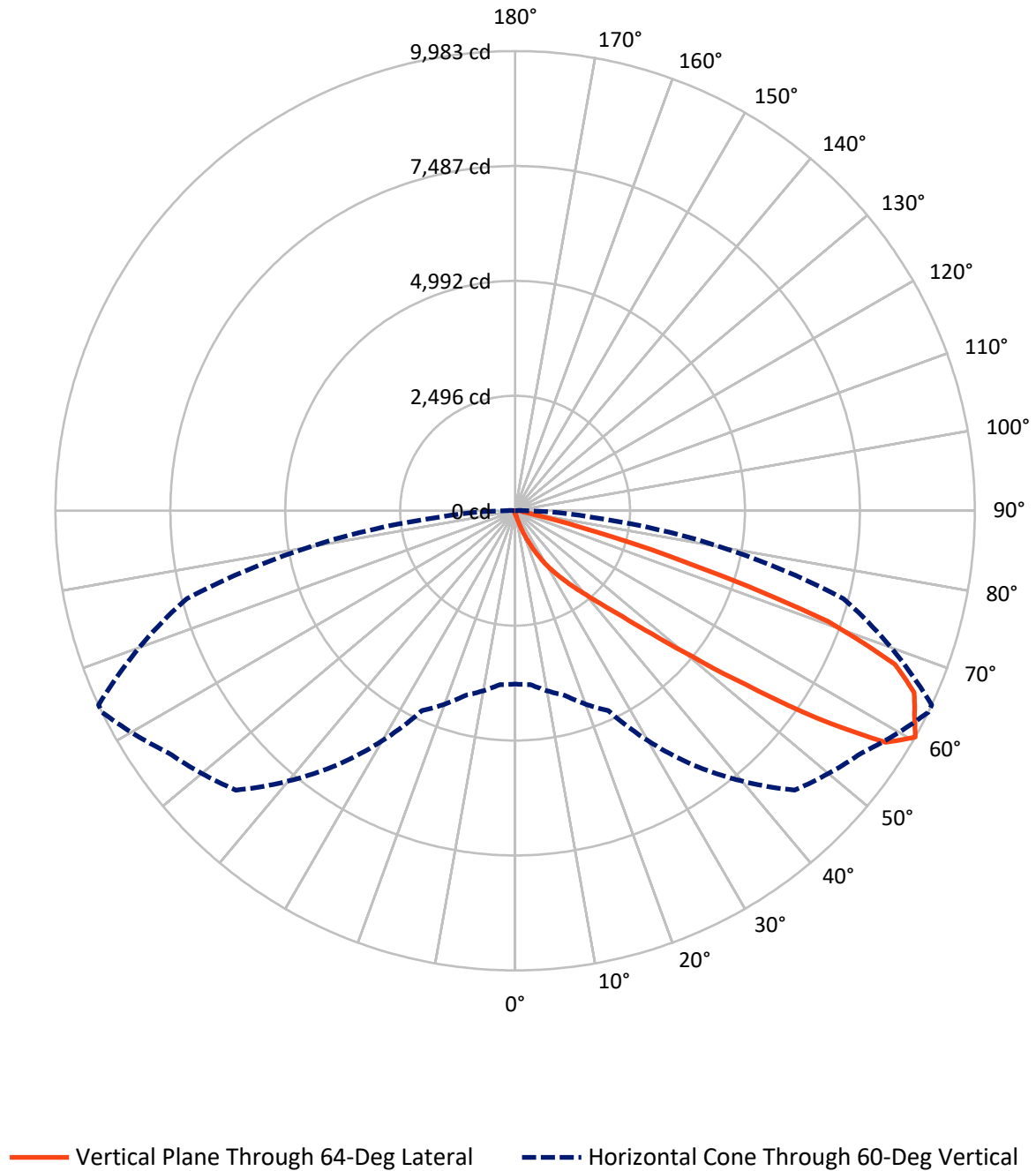


Based on 15 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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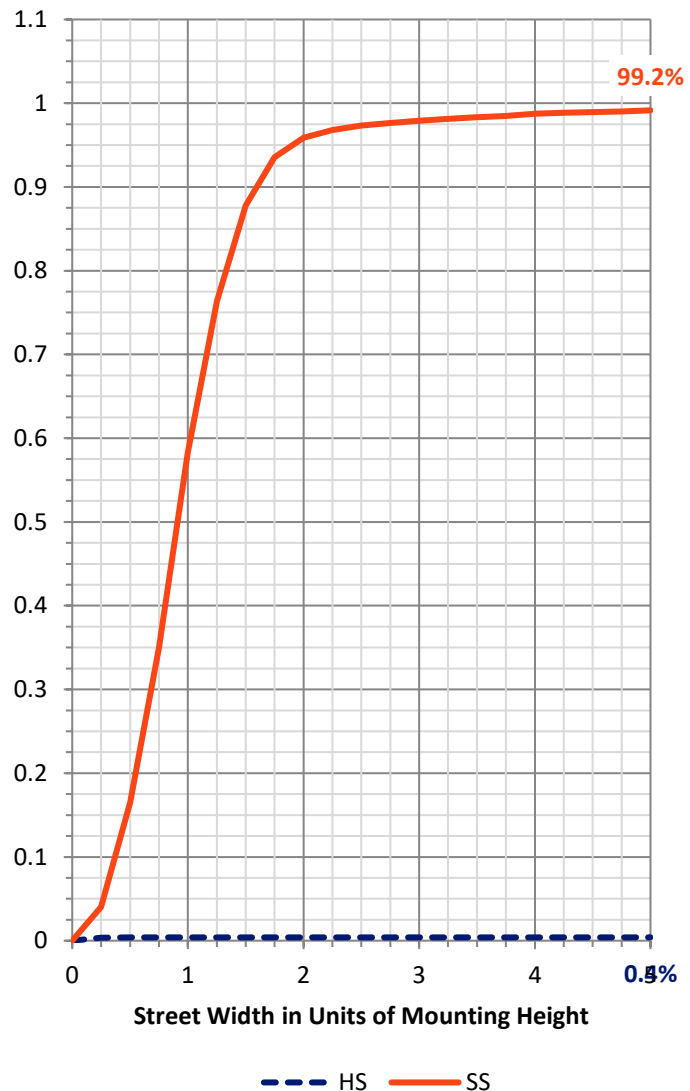
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.0	0.0	36.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	8846.5	0.0	8846.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	8882.5	0.0	8882.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	87.3	1.0
20°-30°	289.9	3.3
30°-40°	773.6	8.7
40°-50°	1966.2	22.1
50°-60°	2866.3	32.3
60°-70°	2213.9	24.9
70°-80°	608.0	6.8
80°-90°	68.6	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°	8882.5	100.0
0°-180°	8882.5	100.0



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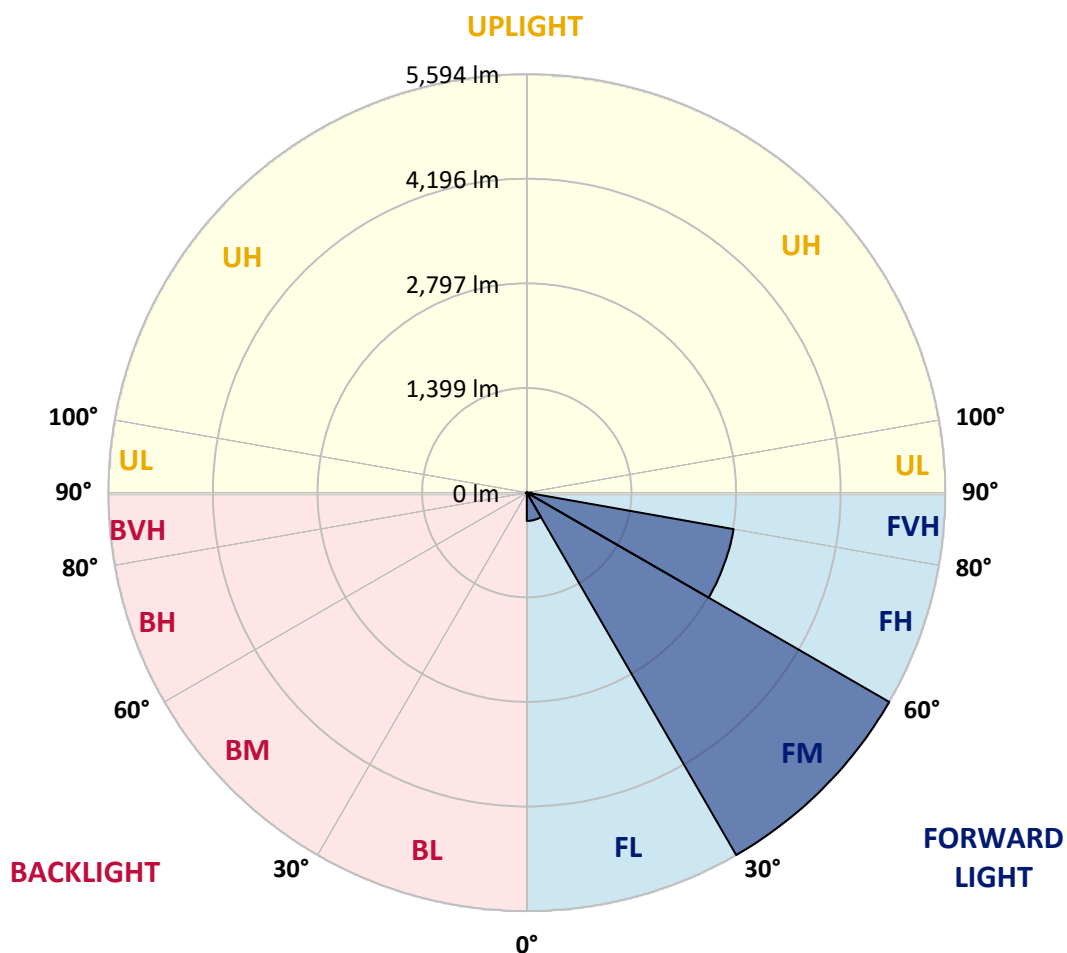
CATALOG NUMBER: NAV-SA2D-722-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.9	4.3			
FM	(30°-60°)	5594.1	63.0			
FH	(60°-80°)	2807.5	31.6			G2/5000
FVH	(80°-90°)	67.0	0.8			G1/100
BL	(0°-30°)	8.1	0.1	B0/110		
BM	(30°-60°)	11.9	0.1	B0/220		
BH	(60°-80°)	14.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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: P1067180

CATALOG NUMBER: NAV-SA2D-722-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2.5°	78.2	78.2	78.2	75.8	73.4	73.4	70.9	68.5	68.5	63.6	61.1
5°	119.8	119.8	114.9	110.0	102.7	92.9	83.1	75.8	75.8	68.5	63.6
7.5°	234.7	242.1	220.1	193.2	156.5	132.0	105.1	88.0	85.6	73.4	63.6
10°	508.6	503.7	469.4	403.4	317.9	229.8	146.7	107.6	102.7	78.2	63.6
12.5°	765.3	772.6	736.0	662.6	559.9	408.3	251.8	139.4	134.5	85.6	63.6
15°	985.4	985.4	960.9	924.2	811.8	652.8	405.9	207.8	190.7	92.9	61.1
17.5°	1136.9	1134.5	1124.7	1114.9	1048.9	885.1	621.0	332.5	293.4	110.0	61.1
20°	1308.1	1300.8	1313.0	1293.4	1242.1	1112.5	848.4	493.9	457.2	139.4	61.1
22.5°	1486.6	1493.9	1503.7	1484.1	1427.9	1315.4	1088.0	701.7	662.6	193.2	63.6
25°	1714.0	1709.1	1731.1	1714.0	1643.1	1511.0	1313.0	929.1	872.9	269.0	68.5
27.5°	1992.7	1982.9	1997.6	1953.6	1860.7	1726.2	1513.5	1161.4	1095.4	386.3	78.2
30°	2361.9	2369.2	2303.2	2251.9	2119.9	1941.4	1736.0	1410.8	1342.3	525.7	88.0
32.5°	2943.8	2892.5	2789.8	2582.0	2408.4	2181.0	1958.5	1628.4	1567.3	704.2	102.7
35°	3850.9	3860.7	3635.8	3122.3	2745.8	2481.7	2203.0	1868.0	1824.0	907.1	122.3
37.5°	4956.1	4929.2	4731.2	4083.2	3239.7	2855.8	2481.7	2129.6	2066.1	1127.2	146.7
40°	6208.0	6095.5	5980.6	5540.5	4269.0	3325.3	2833.8	2432.8	2383.9	1381.4	185.8
42.5°	7210.4	7181.1	7200.6	7017.3	5985.5	4124.8	3300.8	2804.5	2745.8	1696.9	254.3
45°	7704.3	7662.8	7780.1	7917.0	7653.0	5826.5	4053.9	3278.8	3200.6	2068.5	359.4
47.5°	7572.3	7543.0	7794.8	8063.7	8415.8	7799.7	5283.7	3987.9	3853.4	2545.3	515.9
50°	6921.9	6924.4	7337.6	7838.8	8396.3	8799.7	7105.3	4958.5	4789.8	3178.6	760.4
52.5°	6288.6	6308.2	6745.9	7476.9	8105.3	8917.1	8704.3	6266.6	5992.8	3924.3	1048.9
55°	5638.3	5648.0	6034.4	7063.7	7968.4	8567.4	9525.9	7951.3	7660.3	4853.4	1330.1
57.5°	5012.3	5012.3	5156.6	6071.0	7819.2	8535.6	9428.1	9491.6	9254.5	5914.6	1537.9
60°	3765.4	3789.8	4149.2	4789.8	6743.4	8582.1	9178.7	9983.1	9983.1	7386.5	1696.9
62.5°	1902.2	1938.9	2386.4	3009.8	4626.0	7941.5	9217.8	9736.2	9775.3	8684.8	2058.7
65°	892.4	934.0	1173.6	1613.7	2489.1	5589.4	8811.9	9525.9	9513.7	8437.8	2821.6
67.5°	640.6	652.8	733.5	941.3	1339.9	2449.9	6726.3	8897.5	8902.4	7168.9	3244.6
70°	574.6	574.6	594.1	655.3	806.9	1095.4	3269.0	7205.5	7555.2	5535.6	3007.4
72.5°	567.2	562.4	557.5	559.9	545.2	550.1	1122.3	4068.5	4567.3	3872.9	2398.6
75°	552.6	552.6	547.7	530.6	435.2	354.5	386.3	1645.5	1902.2	2586.9	1780.0
77.5°	437.7	481.7	533.0	501.2	398.5	266.5	224.9	476.8	601.5	1586.8	1291.0
80°	202.9	205.4	202.9	212.7	254.3	190.7	166.3	232.3	234.7	880.2	799.5
82.5°	146.7	149.1	141.8	127.1	112.5	102.7	136.9	171.2	183.4	403.4	298.3
85°	44.0	41.6	48.9	66.0	78.2	90.5	114.9	144.3	151.6	149.1	44.0
87.5°	19.6	19.6	24.5	34.2	46.5	68.5	100.2	132.0	134.5	154.0	12.2
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-SA2D-722-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2.5°	61.1	58.7	56.2	53.8	51.3	48.9	46.5	46.5	48.9	48.9	48.9
5°	58.7	56.2	51.3	46.5	44.0	41.6	39.1	39.1	41.6	41.6	41.6
7.5°	58.7	53.8	48.9	44.0	39.1	36.7	34.2	34.2	34.2	36.7	36.7
10°	58.7	53.8	46.5	39.1	34.2	31.8	29.3	26.9	29.3	29.3	29.3
12.5°	56.2	51.3	44.0	36.7	29.3	24.5	22.0	22.0	22.0	22.0	22.0
15°	53.8	48.9	41.6	31.8	24.5	19.6	14.7	14.7	14.7	17.1	17.1
17.5°	51.3	46.5	36.7	24.5	17.1	12.2	9.8	9.8	9.8	12.2	12.2
20°	51.3	44.0	31.8	19.6	12.2	7.3	4.9	4.9	4.9	7.3	9.8
22.5°	51.3	44.0	29.3	14.7	7.3	4.9	2.4	2.4	2.4	2.4	2.4
25°	51.3	41.6	26.9	12.2	4.9	2.4	0.0	0.0	2.4	4.9	7.3
27.5°	51.3	39.1	22.0	7.3	4.9	2.4	0.0	2.4	4.9	4.9	4.9
30°	51.3	39.1	19.6	7.3	2.4	0.0	0.0	2.4	4.9	4.9	7.3
32.5°	53.8	36.7	17.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	56.2	34.2	14.7	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	61.1	34.2	9.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	68.5	36.7	9.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	85.6	39.1	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	119.8	48.9	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	176.0	73.4	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	256.7	100.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	315.4	100.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	313.0	63.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	239.6	44.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	202.9	31.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	244.5	24.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	435.2	22.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	699.3	22.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	782.4	22.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	611.3	19.6	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	335.0	17.1	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	168.7	12.2	4.9	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	70.9	9.8	4.9	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0
82.5°	24.5	9.8	4.9	4.9	2.4	2.4	0.0	0.0	0.0	0.0	0.0
85°	12.2	7.3	7.3	4.9	4.9	2.4	2.4	0.0	0.0	0.0	0.0
87.5°	7.3	7.3	7.3	4.9	4.9	2.4	2.4	0.0	0.0	0.0	2.4
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: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 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-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

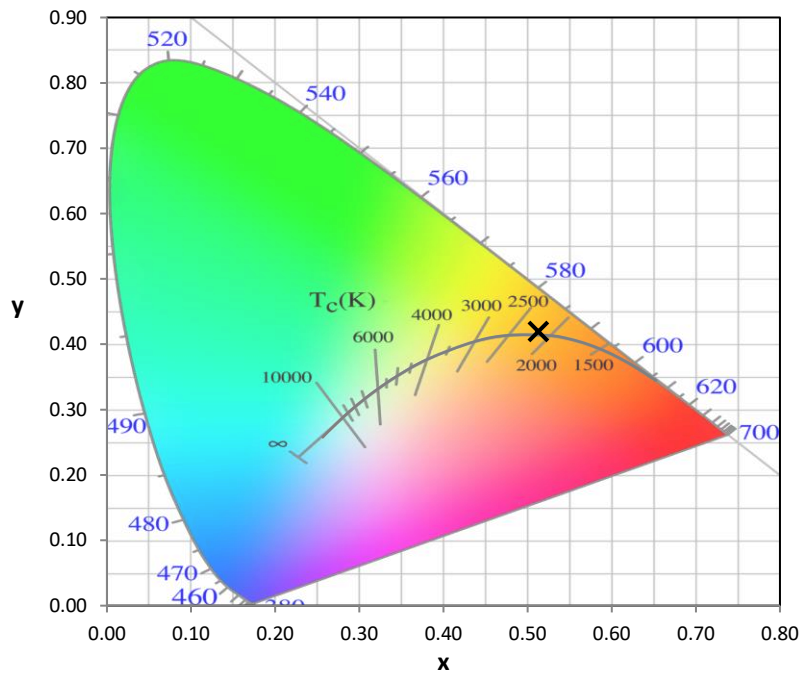
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

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 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength



Photopic Lumens: NR

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.8

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 1.21

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	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE R_a = 71.9$
 $R_g = -17.8$



Color Vector Graphics



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

CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)