

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: P1067173

Luminaire Tested: **NAV-SA1A-722-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067173
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-722-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2671.1 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

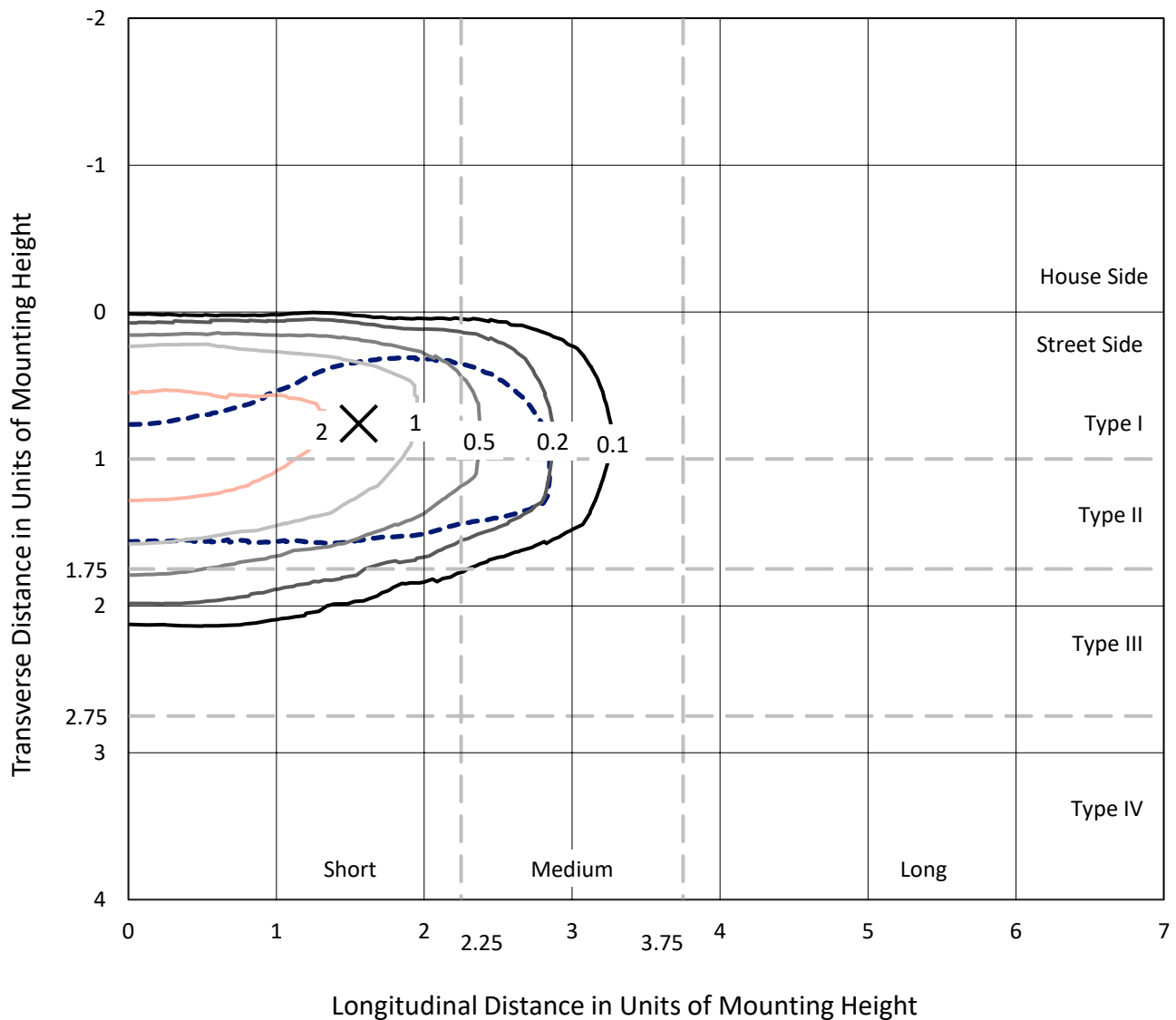


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

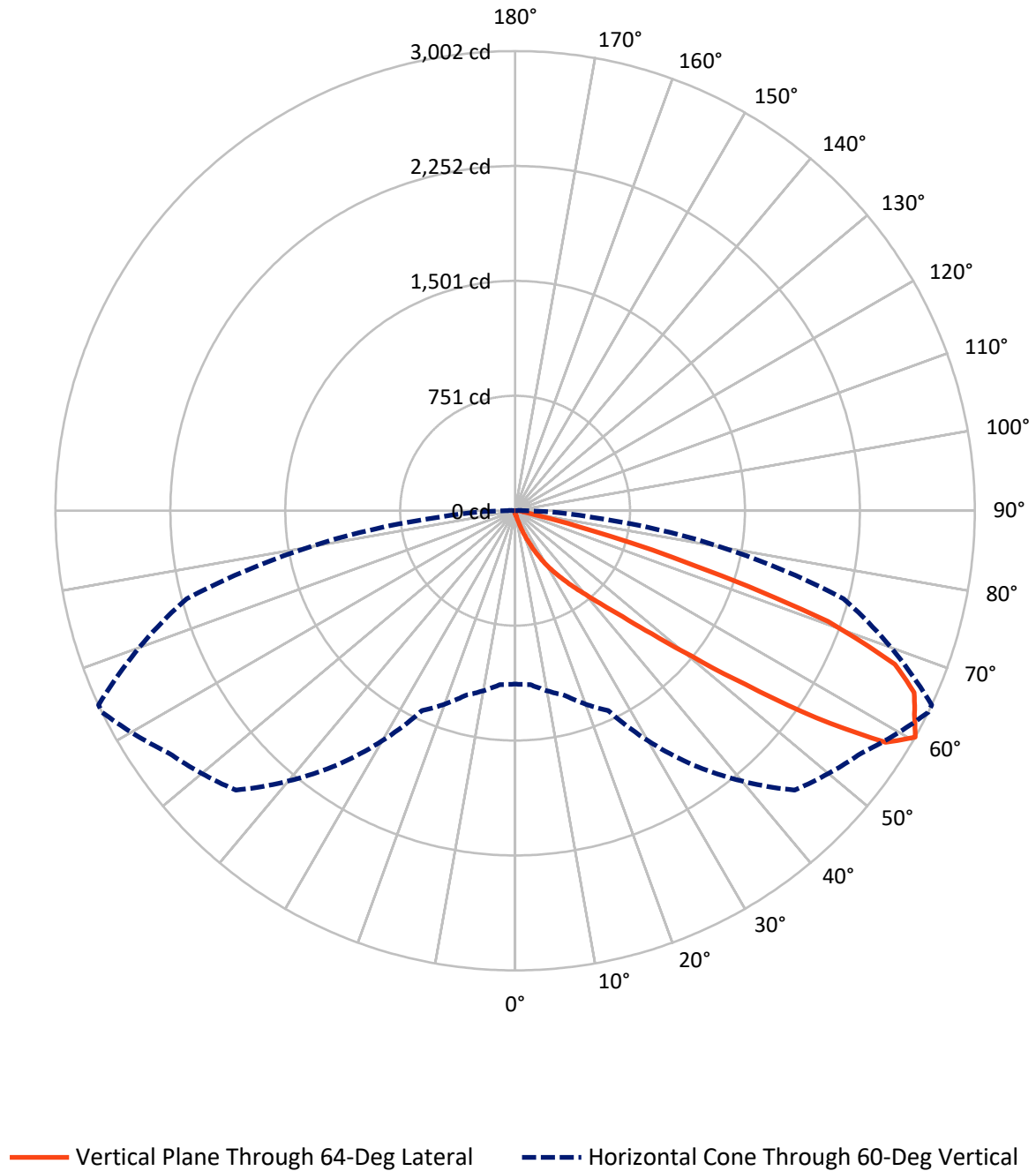


Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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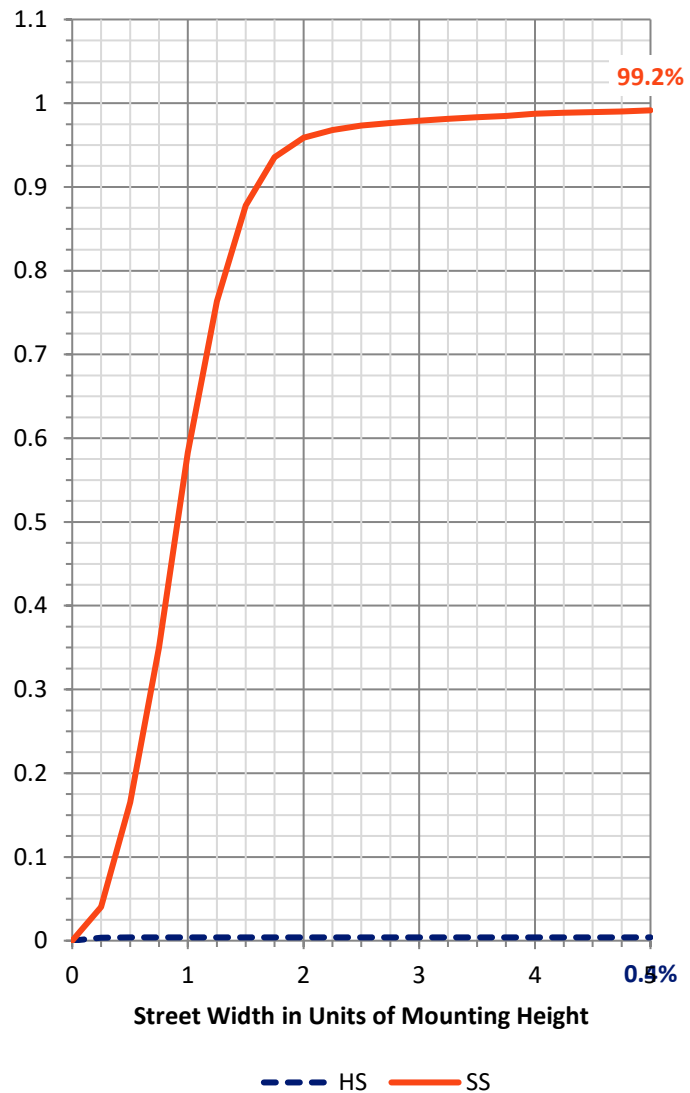
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10.8	0.0	10.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	2660.3	0.0	2660.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	2671.1	0.0	2671.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	26.2	1.0
20°-30°	87.2	3.3
30°-40°	232.6	8.7
40°-50°	591.3	22.1
50°-60°	861.9	32.3
60°-70°	665.8	24.9
70°-80°	182.8	6.8
80°-90°	20.6	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°	2671.1	100.0
0°-180°	2671.1	100.0



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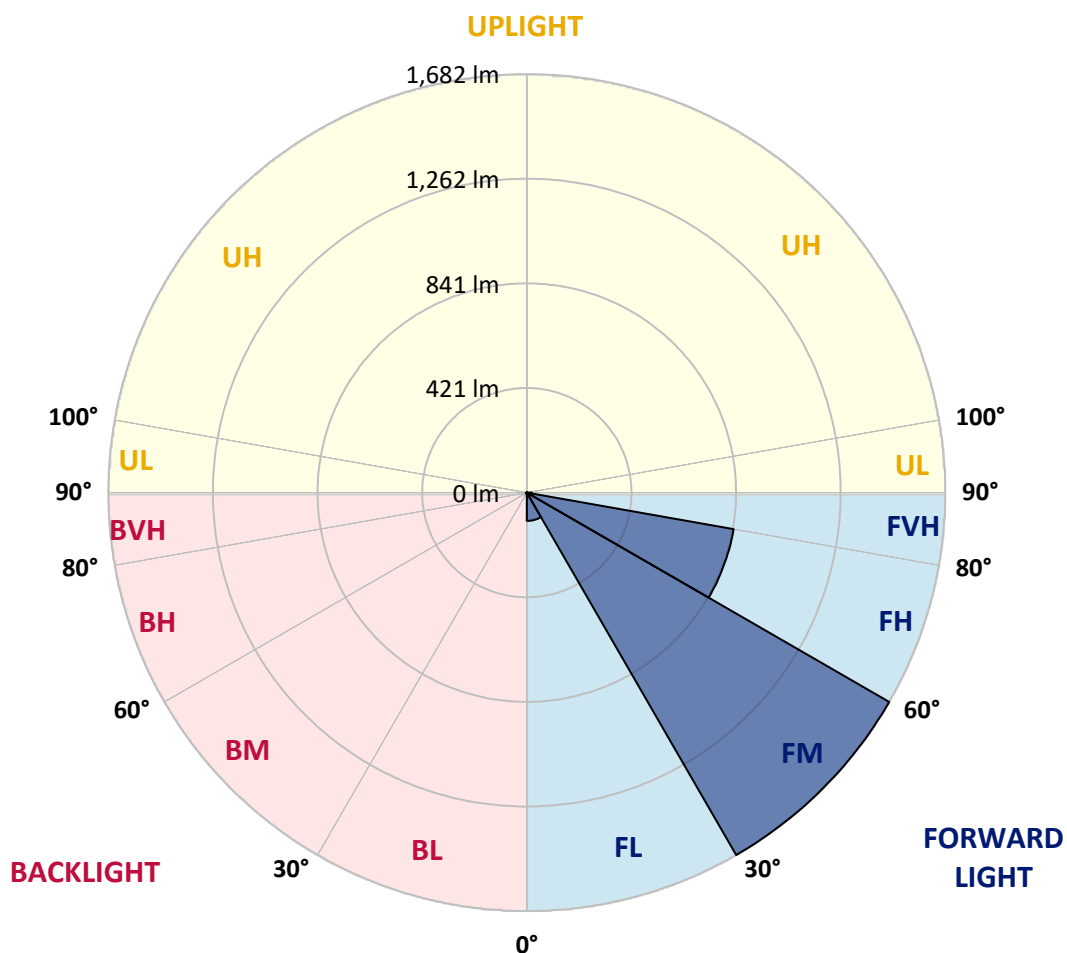
CATALOG NUMBER: NAV-SA1A-722-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	113.7	4.3			
FM	(30°-60°)	1682.2	63.0			
FH	(60°-80°)	844.3	31.6			G1/1800
FVH	(80°-90°)	20.2	0.8			G1/100
BL	(0°-30°)	2.4	0.1	B0/110		
BM	(30°-60°)	3.6	0.1	B0/220		
BH	(60°-80°)	4.3	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
2.5°	23.5	23.5	23.5	22.8	22.1	22.1	21.3	20.6	20.6	19.1	18.4
5°	36.0	36.0	34.6	33.1	30.9	27.9	25.0	22.8	22.8	20.6	19.1
7.5°	70.6	72.8	66.2	58.1	47.1	39.7	31.6	26.5	25.7	22.1	19.1
10°	152.9	151.5	141.2	121.3	95.6	69.1	44.1	32.4	30.9	23.5	19.1
12.5°	230.1	232.3	221.3	199.3	168.4	122.8	75.7	41.9	40.4	25.7	19.1
15°	296.3	296.3	289.0	277.9	244.1	196.3	122.1	62.5	57.4	27.9	18.4
17.5°	341.9	341.2	338.2	335.3	315.4	266.2	186.8	100.0	88.2	33.1	18.4
20°	393.4	391.2	394.8	389.0	373.5	334.5	255.1	148.5	137.5	41.9	18.4
22.5°	447.0	449.2	452.2	446.3	429.4	395.6	327.2	211.0	199.3	58.1	19.1
25°	515.4	514.0	520.6	515.4	494.1	454.4	394.8	279.4	262.5	80.9	20.6
27.5°	599.2	596.3	600.7	587.5	559.5	519.1	455.1	349.3	329.4	116.2	23.5
30°	710.3	712.5	692.6	677.2	637.5	583.8	522.0	424.2	403.7	158.1	26.5
32.5°	885.3	869.8	838.9	776.4	724.2	655.9	588.9	489.7	471.3	211.8	30.9
35°	1158.0	1161.0	1093.3	938.9	825.7	746.3	662.5	561.7	548.5	272.8	36.8
37.5°	1490.4	1482.3	1422.7	1227.9	974.2	858.8	746.3	640.4	621.3	339.0	44.1
40°	1866.8	1833.0	1798.5	1666.1	1283.8	1000.0	852.2	731.6	716.9	415.4	55.9
42.5°	2168.3	2159.5	2165.4	2110.2	1799.9	1240.4	992.6	843.4	825.7	510.3	76.5
45°	2316.8	2304.3	2339.6	2380.8	2301.4	1752.1	1219.1	986.0	962.5	622.0	108.1
47.5°	2277.1	2268.3	2344.0	2424.9	2530.8	2345.5	1588.9	1199.2	1158.8	765.4	155.1
50°	2081.5	2082.3	2206.5	2357.3	2524.9	2646.2	2136.7	1491.1	1440.4	955.8	228.7
52.5°	1891.1	1897.0	2028.6	2248.4	2437.4	2681.5	2617.6	1884.5	1802.1	1180.1	315.4
55°	1695.5	1698.5	1814.6	2124.2	2396.2	2576.4	2864.6	2391.1	2303.6	1459.5	400.0
57.5°	1507.3	1507.3	1550.7	1825.7	2351.4	2566.8	2835.2	2854.3	2783.0	1778.6	462.5
60°	1132.3	1139.7	1247.7	1440.4	2027.9	2580.8	2760.2	3002.1	3002.1	2221.2	510.3
62.5°	572.0	583.1	717.6	905.1	1391.1	2388.1	2772.0	2927.8	2939.6	2611.7	619.1
65°	268.4	280.9	352.9	485.3	748.5	1680.8	2649.9	2864.6	2860.9	2537.4	848.5
67.5°	192.6	196.3	220.6	283.1	402.9	736.7	2022.7	2675.6	2677.1	2155.8	975.7
70°	172.8	172.8	178.7	197.1	242.6	329.4	983.1	2166.8	2272.0	1664.6	904.4
72.5°	170.6	169.1	167.6	168.4	164.0	165.4	337.5	1223.5	1373.5	1164.7	721.3
75°	166.2	166.2	164.7	159.6	130.9	106.6	116.2	494.8	572.0	777.9	535.3
77.5°	131.6	144.8	160.3	150.7	119.8	80.1	67.6	143.4	180.9	477.2	388.2
80°	61.0	61.8	61.0	64.0	76.5	57.4	50.0	69.9	70.6	264.7	240.4
82.5°	44.1	44.9	42.6	38.2	33.8	30.9	41.2	51.5	55.1	121.3	89.7
85°	13.2	12.5	14.7	19.9	23.5	27.2	34.6	43.4	45.6	44.9	13.2
87.5°	5.9	5.9	7.4	10.3	14.0	20.6	30.1	39.7	40.4	46.3	3.7
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6
2.5°	18.4	17.6	16.9	16.2	15.4	14.7	14.0	14.0	14.7	14.7	14.7
5°	17.6	16.9	15.4	14.0	13.2	12.5	11.8	11.8	12.5	12.5	12.5
7.5°	17.6	16.2	14.7	13.2	11.8	11.0	10.3	10.3	10.3	11.0	11.0
10°	17.6	16.2	14.0	11.8	10.3	9.6	8.8	8.1	8.8	8.8	8.8
12.5°	16.9	15.4	13.2	11.0	8.8	7.4	6.6	6.6	6.6	6.6	6.6
15°	16.2	14.7	12.5	9.6	7.4	5.9	4.4	4.4	4.4	5.1	5.1
17.5°	15.4	14.0	11.0	7.4	5.1	3.7	2.9	2.9	2.9	3.7	3.7
20°	15.4	13.2	9.6	5.9	3.7	2.2	1.5	1.5	1.5	2.2	2.9
22.5°	15.4	13.2	8.8	4.4	2.2	1.5	0.7	0.7	0.7	0.7	0.7
25°	15.4	12.5	8.1	3.7	1.5	0.7	0.0	0.0	0.7	1.5	2.2
27.5°	15.4	11.8	6.6	2.2	1.5	0.7	0.0	0.7	1.5	1.5	1.5
30°	15.4	11.8	5.9	2.2	0.7	0.0	0.0	0.7	1.5	1.5	2.2
32.5°	16.2	11.0	5.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	16.9	10.3	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	18.4	10.3	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	20.6	11.0	2.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	25.7	11.8	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	36.0	14.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	52.9	22.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	77.2	30.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	94.8	30.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	94.1	19.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	72.1	13.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	61.0	9.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	73.5	7.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	130.9	6.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	210.3	6.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	235.3	6.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	183.8	5.9	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	100.7	5.1	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	50.7	3.7	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	21.3	2.9	1.5	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	7.4	2.9	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0
85°	3.7	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	1.5	1.5	0.7	0.7	0.0	0.0	0.0	0.7
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

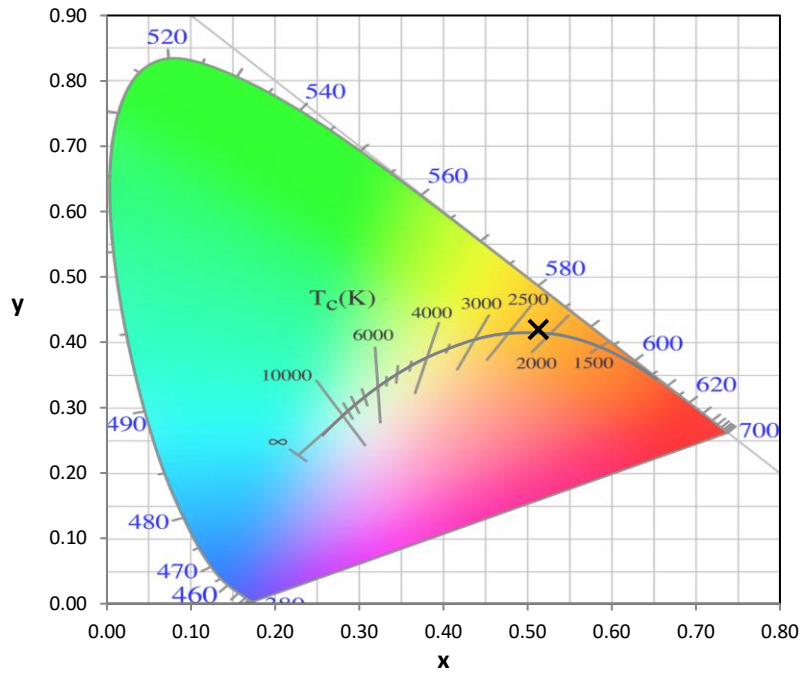
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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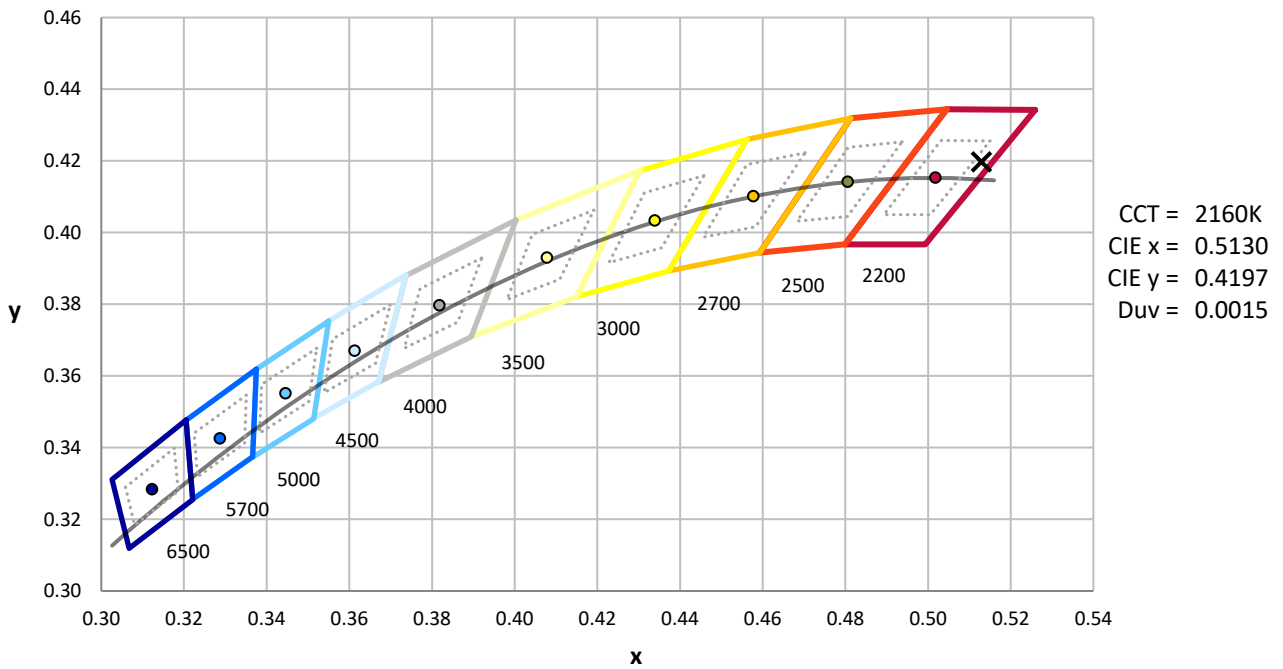
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	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



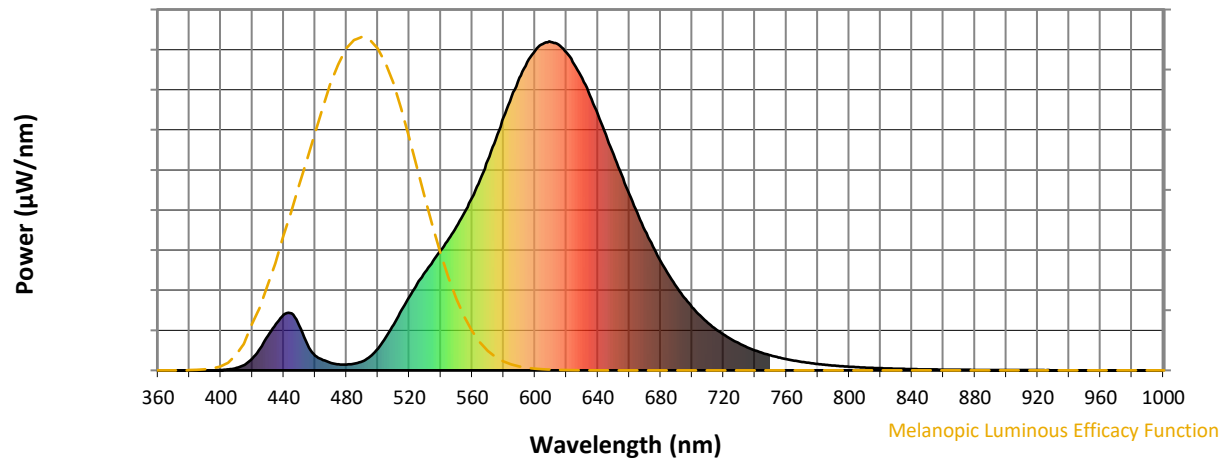
Scotopic Lumens: NR

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)