

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: P1066940

Luminaire Tested: **NAV-SA2D-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066940
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-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 2xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (28) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9419.8 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - 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

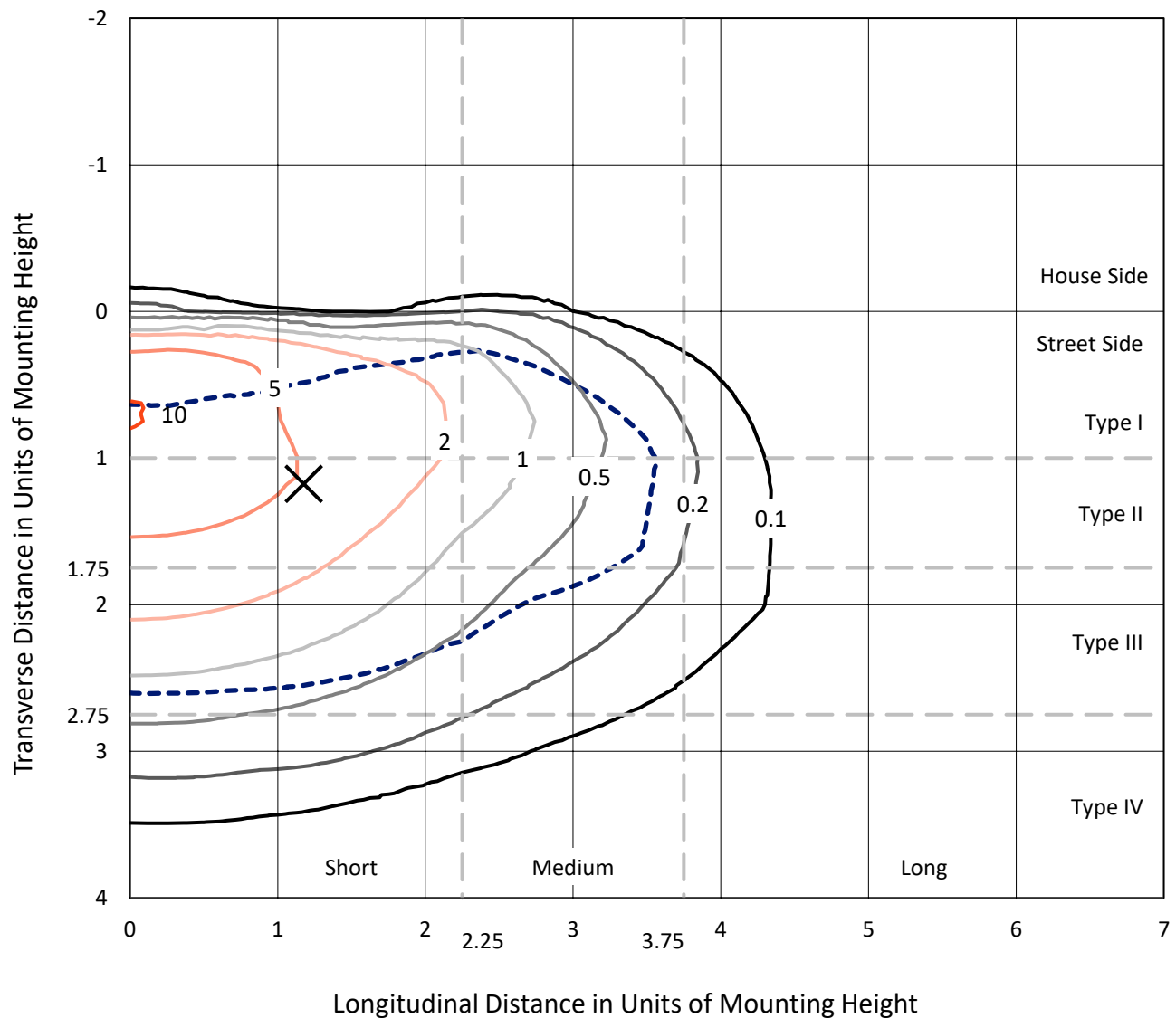


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

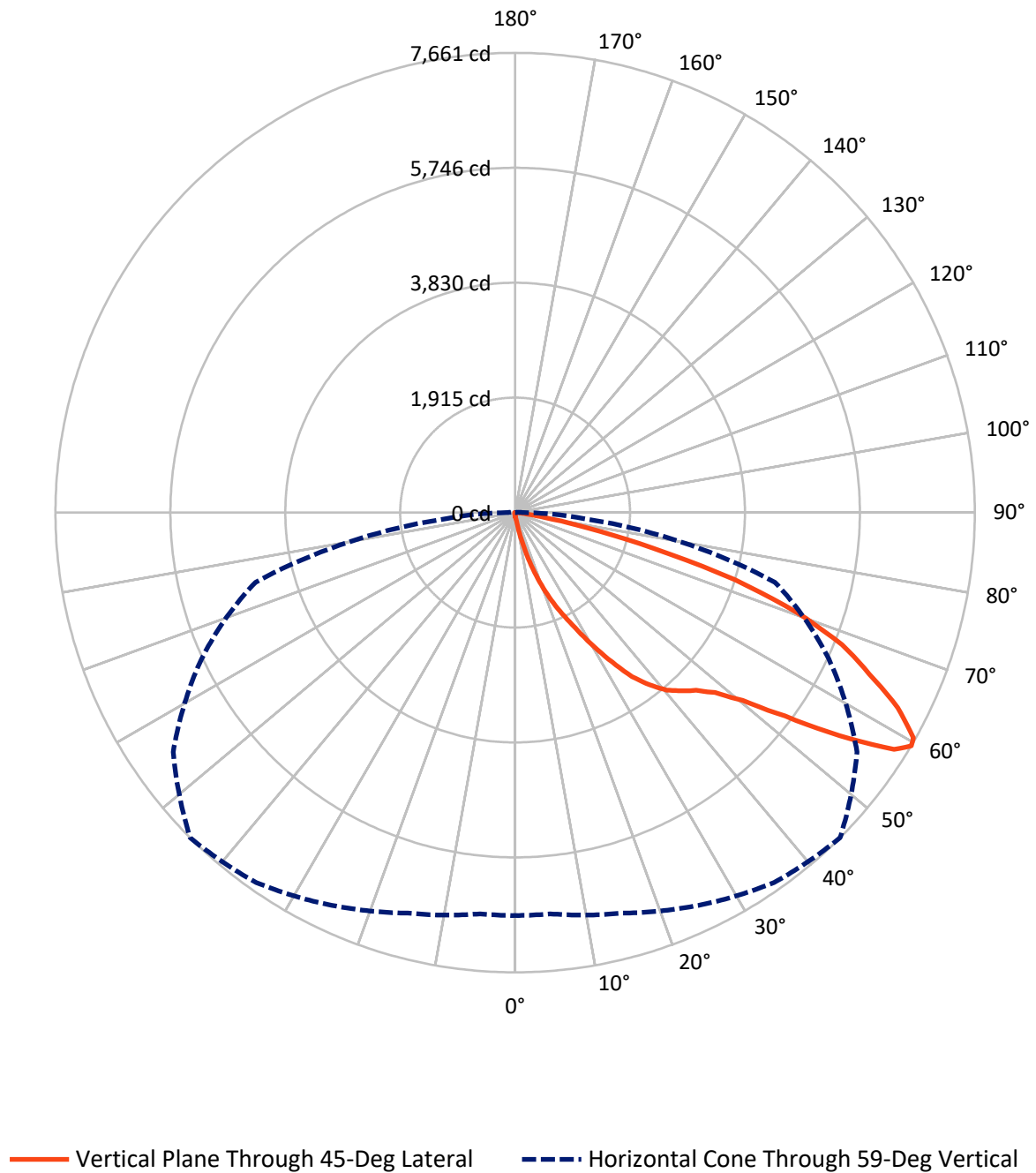


Based on 15 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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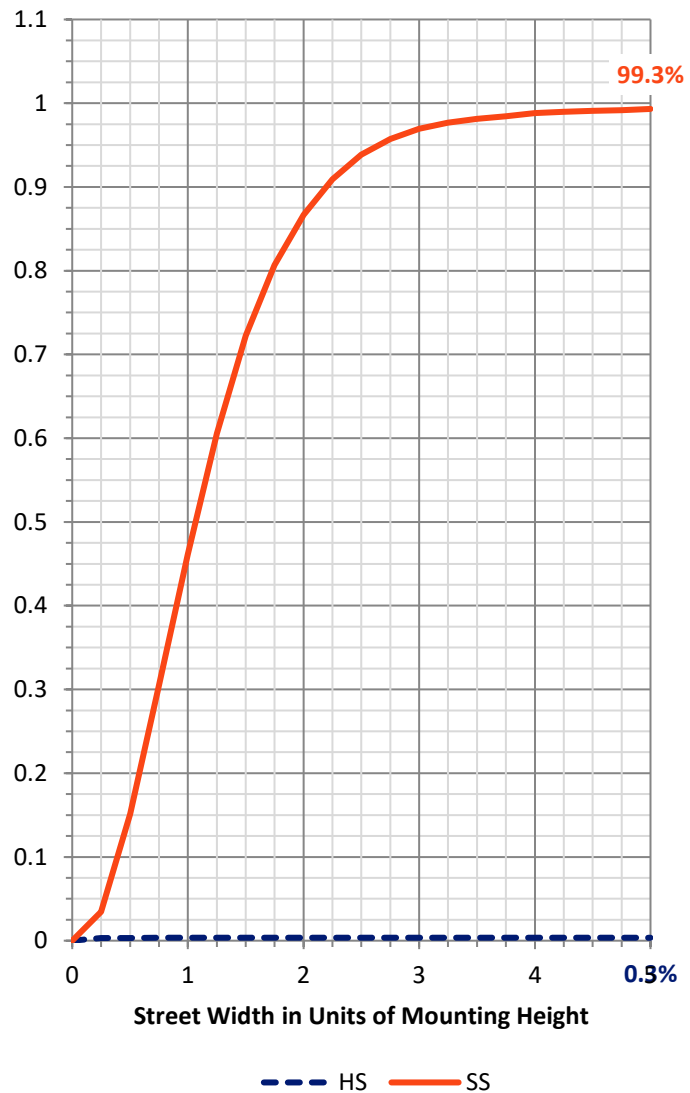
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.4	0.0	33.4
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9386.3	0.0	9386.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	9419.8	0.0	9419.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.1
10°-20°	104.1	1.1
20°-30°	374.1	4.0
30°-40°	869.3	9.2
40°-50°	1481.7	15.7
50°-60°	2441.4	25.9
60°-70°	2822.8	30.0
70°-80°	1212.8	12.9
80°-90°	104.8	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°	9419.8	100.0
0°-180°	9419.8	100.0



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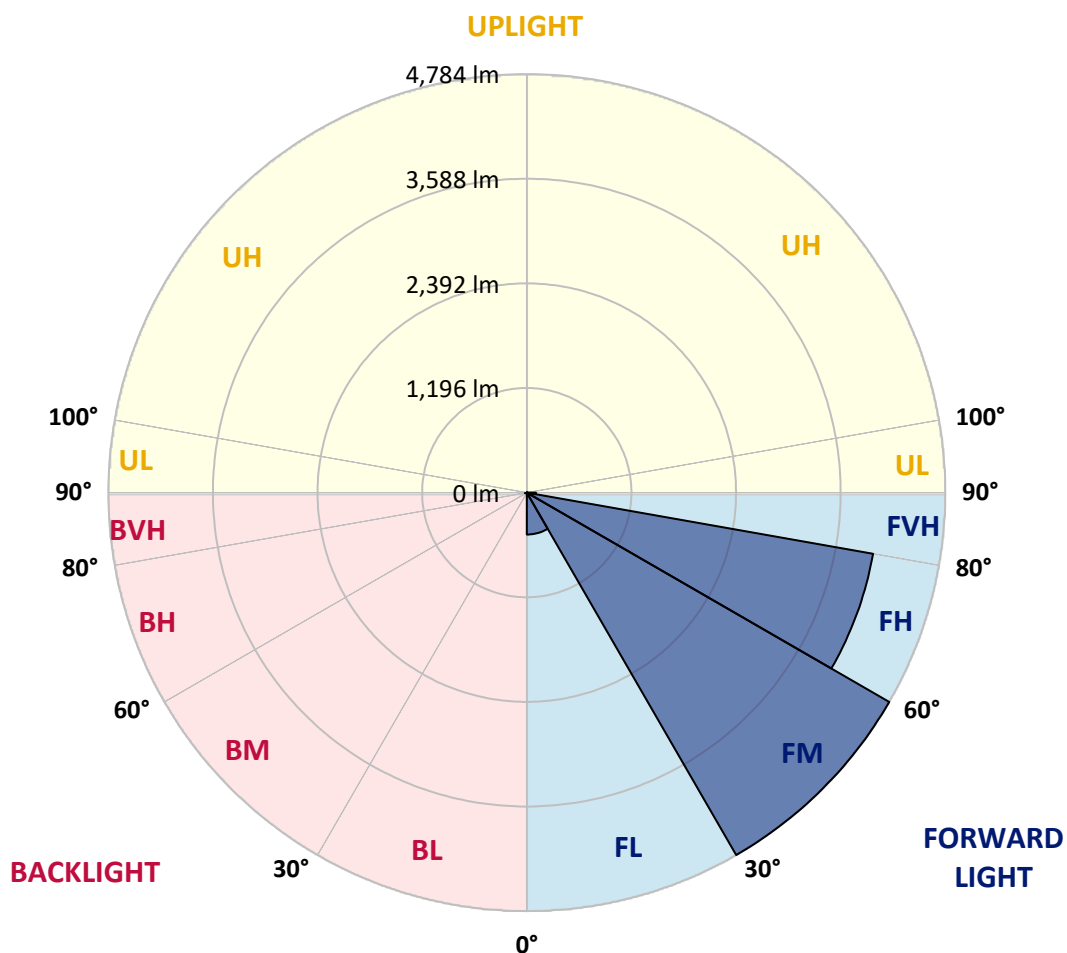
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	478.7	5.1			
FM	(30°-60°)	4784.3	50.8			
FH	(60°-80°)	4019.9	42.7			G2/5000
FVH	(80°-90°)	103.4	1.1			G2/225
BL	(0°-30°)	8.3	0.1	B0/110		
BM	(30°-60°)	8.1	0.1	B0/220		
BH	(60°-80°)	15.7	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2.5°	77.3	77.3	75.4	72.8	72.2	70.3	70.3	68.4	65.9	64.0	61.4
5°	112.1	111.5	106.4	100.1	91.8	86.8	86.8	79.8	73.5	67.8	62.7
7.5°	245.1	239.4	221.1	190.7	150.7	124.1	122.2	99.4	84.2	72.8	63.3
10°	562.4	542.8	516.8	444.0	328.1	229.3	224.9	145.0	100.7	78.5	64.6
12.5°	921.6	937.4	885.5	770.8	635.3	472.5	440.8	244.5	133.0	86.1	65.9
15°	1248.4	1244.6	1215.5	1121.7	965.3	748.7	729.0	425.0	190.7	98.2	67.1
17.5°	1492.9	1488.5	1460.6	1400.4	1280.1	1063.5	1046.4	677.7	299.0	115.3	68.4
20°	1750.7	1745.0	1705.7	1657.6	1552.4	1368.1	1347.9	960.2	468.1	143.1	68.4
22.5°	2059.8	2049.0	2007.2	1925.5	1814.7	1654.4	1636.0	1249.0	677.7	188.7	71.6
25°	2433.5	2415.1	2357.5	2284.0	2150.4	1937.5	1917.9	1570.8	930.4	257.8	74.7
27.5°	2859.8	2862.9	2785.0	2660.9	2481.6	2264.4	2227.6	1859.0	1192.0	356.6	78.5
30°	3365.8	3334.2	3224.6	3080.2	2906.0	2629.2	2593.7	2145.9	1485.9	502.3	84.9
32.5°	3839.6	3805.4	3657.8	3476.0	3289.2	2997.2	2968.1	2468.3	1753.2	674.6	96.3
35°	4246.2	4222.2	4015.7	3794.0	3628.1	3367.1	3358.2	2828.1	2067.4	860.1	108.9
37.5°	4604.1	4560.4	4295.0	4065.1	3896.6	3662.9	3643.9	3157.4	2370.1	1075.5	127.9
40°	4909.4	4885.3	4561.7	4259.5	4122.7	3913.7	3889.6	3446.3	2683.0	1325.7	151.4
42.5°	5236.2	5204.6	4890.4	4551.5	4299.4	4075.9	4060.0	3684.4	2961.7	1600.6	186.2
45°	5605.5	5546.6	5271.1	4967.0	4583.8	4243.7	4226.0	3896.6	3247.4	1895.7	228.7
47.5°	6000.1	5948.8	5725.8	5512.4	5071.5	4520.5	4482.5	4077.1	3531.1	2236.5	282.5
50°	6401.7	6402.9	6235.7	6133.1	5667.6	4970.2	4916.4	4342.5	3829.5	2601.3	362.3
52.5°	6869.1	6881.1	6878.6	6802.6	6441.6	5705.6	5633.4	4745.3	4175.9	3027.0	472.5
55°	7064.8	7086.4	7226.3	7394.8	7296.6	6637.9	6560.6	5440.2	4635.1	3501.4	635.9
57.5°	6904.6	6928.6	7121.8	7417.0	7642.5	7454.4	7445.5	6344.7	5240.0	4076.5	903.2
59°	6713.9	6710.8	6909.0	7221.9	7525.9	7648.2	7660.8	6956.5	5767.0	4480.0	1133.8
60°	6587.2	6589.8	6721.5	7042.7	7365.7	7577.9	7627.3	7316.9	6074.8	4770.1	1331.4
62.5°	6098.3	6127.4	6231.9	6530.2	6836.8	7073.7	7157.9	7638.0	6955.9	5455.4	2018.6
65°	5566.9	5568.8	5717.6	5972.9	6266.7	6433.3	6486.5	7138.3	7544.3	6153.4	2919.9
67.5°	4618.7	4657.3	4826.4	5240.0	5628.3	5839.2	5879.7	6213.5	7300.4	6608.1	3371.5
70°	3232.2	3282.9	3524.2	4060.7	4638.9	4985.4	4982.9	5165.3	6425.1	6405.5	2858.5
72.5°	1613.9	1701.3	1898.3	2472.8	3173.3	3717.4	3832.0	4155.0	5161.5	5320.5	2132.6
75°	713.2	718.3	830.4	1119.8	1577.1	2268.2	2370.8	3298.1	3959.9	3697.7	1540.4
77.5°	414.9	418.7	438.9	502.9	639.1	1111.6	1226.9	2163.0	2798.3	2149.1	1004.6
80°	150.7	154.5	153.9	190.7	280.0	437.7	487.7	1048.3	1866.6	1131.9	526.3
82.5°	92.5	92.5	89.3	89.9	102.0	167.8	183.7	446.5	908.9	557.4	150.7
85°	45.6	48.1	51.3	57.6	68.4	83.0	88.0	127.9	305.9	134.9	36.1
87.5°	27.2	27.9	30.4	36.7	45.6	59.5	63.3	86.8	109.6	90.6	8.9
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
2.5°	60.2	59.5	56.4	53.8	51.3	48.8	46.9	45.0	45.0	45.6	45.0
5°	60.2	57.6	52.6	48.1	44.3	41.2	38.0	35.5	34.8	34.8	35.5
7.5°	59.5	56.4	49.4	43.7	38.6	34.2	31.0	27.9	27.2	27.9	27.2
10°	58.9	55.1	46.9	39.9	32.9	28.5	24.1	20.9	20.9	20.9	21.5
12.5°	58.9	53.2	44.3	36.1	28.5	23.4	19.0	15.8	15.2	15.2	15.2
15°	58.3	51.9	41.8	31.7	24.1	17.7	13.9	10.8	10.8	10.8	10.8
17.5°	57.0	50.0	38.6	27.9	19.0	13.3	9.5	6.3	6.3	7.6	7.6
20°	55.7	48.1	34.8	22.8	15.8	10.1	6.3	3.8	3.8	5.7	6.3
22.5°	56.4	48.1	32.3	20.3	12.7	7.6	5.1	3.2	2.5	4.4	5.7
25°	57.0	46.9	29.1	17.7	9.5	5.7	3.8	1.3	0.6	1.3	1.9
27.5°	57.0	45.6	25.3	13.9	7.0	4.4	1.9	0.0	0.0	0.0	0.0
30°	56.4	43.7	22.2	11.4	5.1	2.5	0.6	0.0	0.0	0.0	0.0
32.5°	55.7	41.8	20.3	8.9	4.4	1.3	0.0	0.0	0.0	0.0	0.0
35°	56.4	39.3	17.7	7.0	2.5	0.0	0.0	0.0	0.0	0.0	1.3
37.5°	58.3	36.7	15.2	5.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	60.8	34.8	12.7	4.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	65.9	34.8	11.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	72.2	34.8	9.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	80.4	35.5	8.2	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	90.6	36.7	7.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	98.2	35.5	7.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	111.5	34.2	6.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	129.2	32.3	6.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	146.9	29.8	6.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	167.2	28.5	5.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	276.2	25.3	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	533.3	24.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	862.0	24.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	906.4	24.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	603.0	19.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	323.0	17.7	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	174.2	16.5	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	76.6	12.0	3.2	1.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.4	8.2	3.8	3.2	2.5	1.3	0.0	0.0	0.0	0.0	0.0
85°	14.6	6.3	5.1	4.4	3.2	1.9	0.0	0.0	0.0	0.0	0.0
87.5°	7.0	6.3	5.7	5.1	4.4	3.2	0.6	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: SP1-2407-184-2

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

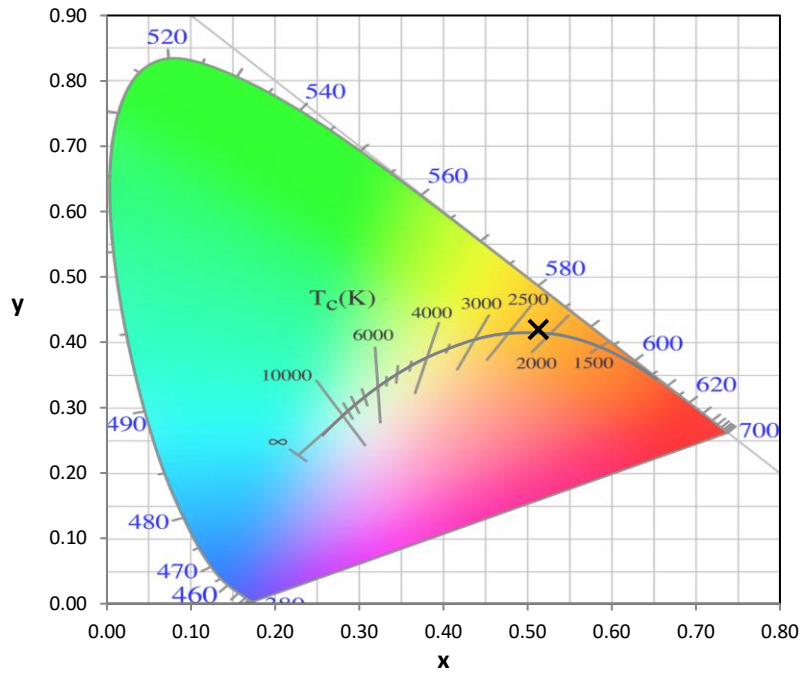
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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)