

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: P1066949

Luminaire Tested: **NAV-SA5A-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066949
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13612.2 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 137.4
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

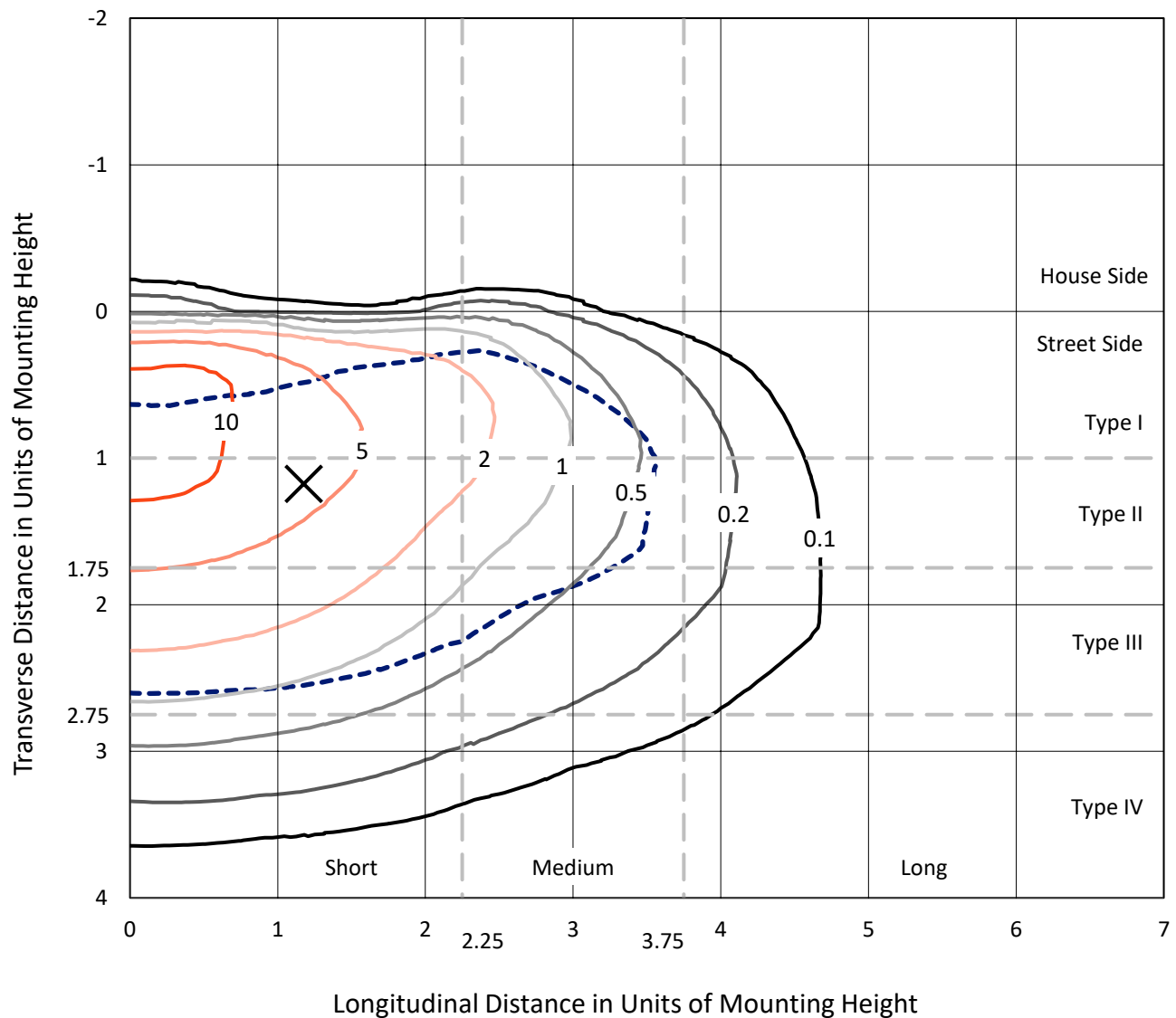


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

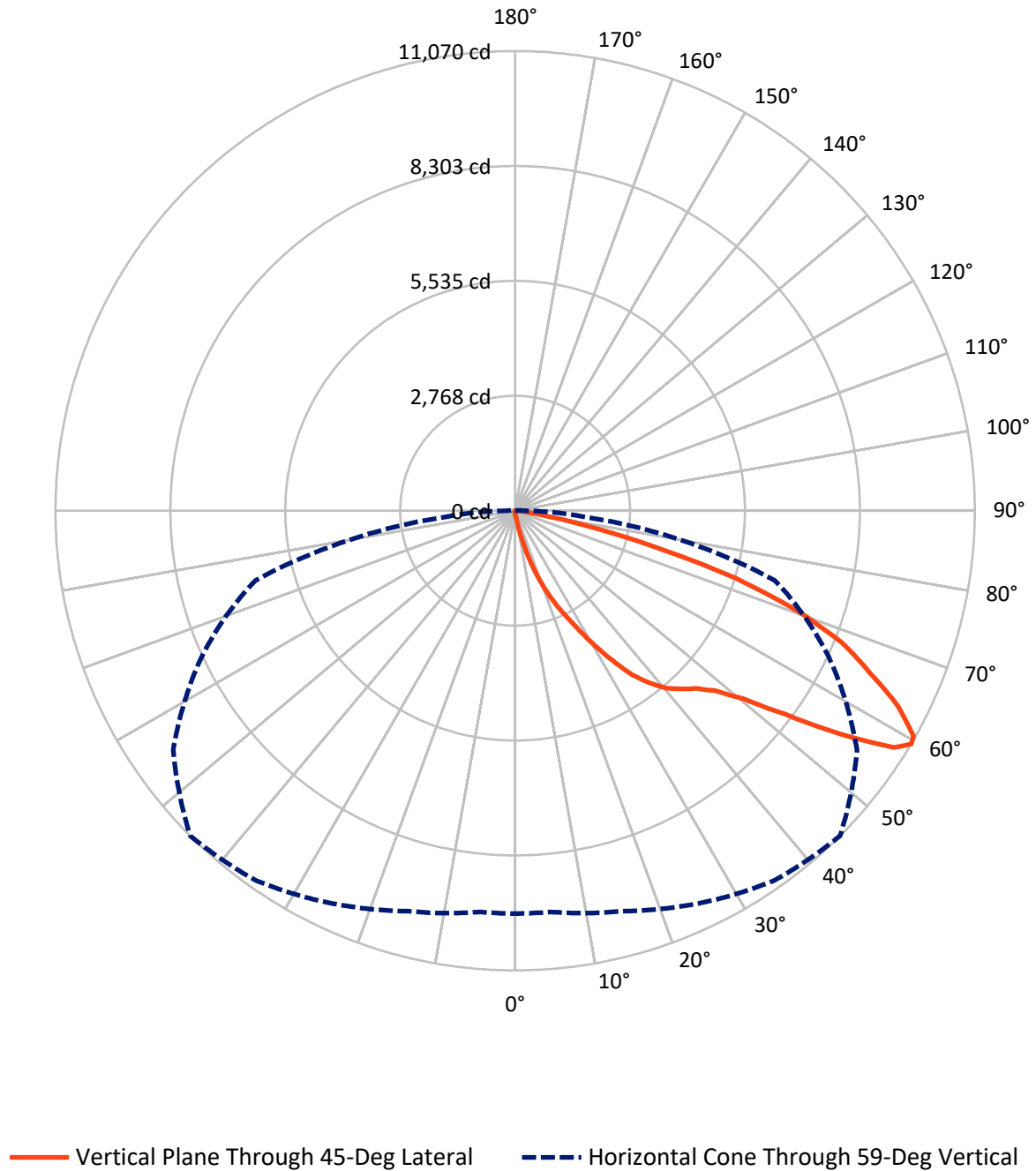


Based on 15 foot mounting height. Maximum calculated value = 14.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.3	0.0	48.3
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13563.9	0.0	13563.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	13612.2	0.0	13612.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.1
10°-20°	150.5	1.1
20°-30°	540.6	4.0
30°-40°	1256.2	9.2
40°-50°	2141.1	15.7
50°-60°	3528.0	25.9
60°-70°	4079.2	30.0
70°-80°	1752.5	12.9
80°-90°	151.4	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°	13612.2	100.0
0°-180°	13612.2	100.0



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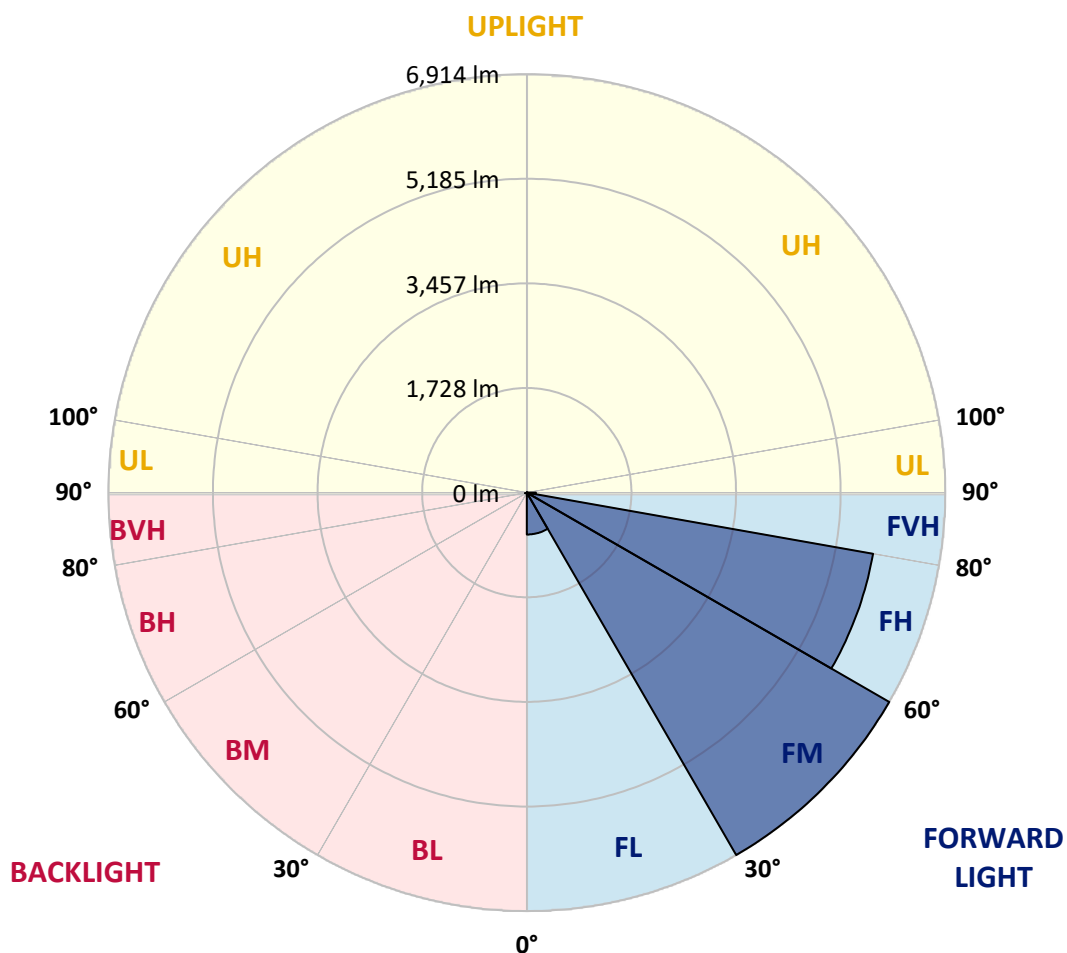
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	691.8	5.1			
FM	(30°-60°)	6913.7	50.8			
FH	(60°-80°)	5809.0	42.7			G3/7500
FVH	(80°-90°)	149.5	1.1			G2/225
BL	(0°-30°)	11.9	0.1	B0/110		
BM	(30°-60°)	11.7	0.1	B0/220		
BH	(60°-80°)	22.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	111.7	111.7	108.9	105.3	104.3	101.6	101.6	98.9	95.2	92.4	88.8
5°	162.0	161.1	153.8	144.6	132.7	125.4	125.4	115.3	106.2	97.9	90.6
7.5°	354.2	346.0	319.4	275.5	217.8	179.4	176.7	143.7	121.7	105.3	91.5
10°	812.8	784.4	746.9	641.6	474.1	331.3	324.9	209.6	145.5	113.5	93.4
12.5°	1331.7	1354.6	1279.6	1113.9	918.0	682.8	637.0	353.3	192.2	124.5	95.2
15°	1804.0	1798.5	1756.4	1621.0	1394.9	1081.9	1053.5	614.2	275.5	141.9	97.0
17.5°	2157.3	2150.9	2110.7	2023.7	1849.8	1536.8	1512.1	979.4	432.0	166.6	98.9
20°	2529.9	2521.6	2464.9	2395.3	2243.4	1977.0	1947.7	1387.6	676.4	206.9	98.9
22.5°	2976.5	2961.0	2900.6	2782.5	2622.3	2390.7	2364.2	1805.0	979.4	272.8	103.4
25°	3516.5	3490.0	3406.7	3300.5	3107.4	2799.9	2771.5	2269.9	1344.6	372.5	108.0
27.5°	4132.5	4137.1	4024.5	3845.1	3586.1	3272.2	3219.1	2686.4	1722.6	515.3	113.5
30°	4863.9	4818.1	4659.7	4451.1	4199.4	3799.4	3748.1	3101.0	2147.3	725.8	122.6
32.5°	5548.5	5499.1	5285.8	5023.1	4753.1	4331.2	4289.1	3566.9	2533.5	974.8	139.1
35°	6136.1	6101.3	5802.9	5482.6	5242.8	4865.7	4852.9	4086.8	2987.5	1243.0	157.4
37.5°	6653.2	6590.1	6206.6	5874.3	5630.9	5293.1	5265.7	4562.7	3425.0	1554.2	184.9
40°	7094.4	7059.6	6591.9	6155.3	5957.6	5655.6	5620.8	4980.1	3877.2	1915.7	218.8
42.5°	7566.7	7520.9	7067.0	6577.3	6213.0	5889.9	5867.0	5324.2	4279.9	2312.9	269.1
45°	8100.3	8015.2	7617.0	7177.7	6624.0	6132.4	6106.8	5630.9	4692.7	2739.5	330.4
47.5°	8670.5	8596.4	8274.2	7965.8	7328.7	6532.4	6477.5	5891.7	5102.7	3231.9	408.2
50°	9250.8	9252.7	9011.0	8862.8	8190.0	7182.3	7104.5	6275.2	5533.8	3759.1	523.5
52.5°	9926.3	9943.7	9940.1	9830.2	9308.5	8244.9	8140.6	6857.4	6034.5	4374.2	682.8
55°	10209.1	10240.3	10442.5	10686.0	10544.1	9592.2	9480.6	7861.4	6698.1	5059.7	919.0
57.5°	9977.6	10012.4	10291.5	10718.1	11043.9	10772.1	10759.2	9168.5	7572.2	5890.8	1305.2
59°	9702.1	9697.5	9984.0	10436.1	10875.5	11052.1	11070.4	10052.6	8333.7	6473.8	1638.4
60°	9519.0	9522.7	9713.1	10177.1	10643.9	10950.5	11021.9	10573.4	8778.6	6893.1	1923.9
62.5°	8812.4	8854.5	9005.5	9436.6	9879.6	10222.0	10343.7	11037.5	10051.7	7883.4	2917.0
65°	8044.5	8047.2	8262.3	8631.2	9055.9	9296.6	9373.5	10315.3	10902.0	8892.0	4219.5
67.5°	6674.3	6730.1	6974.5	7572.2	8133.3	8438.1	8496.6	8979.0	10549.6	9549.2	4872.1
70°	4670.7	4744.0	5092.7	5867.9	6703.6	7204.3	7200.6	7464.2	9284.7	9256.3	4130.7
72.5°	2332.2	2458.5	2743.1	3573.3	4585.6	5371.8	5537.5	6004.3	7458.7	7688.4	3081.8
75°	1030.6	1037.9	1199.9	1618.2	2279.1	3277.7	3425.9	4765.9	5722.4	5343.5	2226.0
77.5°	599.5	605.0	634.3	726.7	923.5	1606.3	1772.9	3125.7	4043.8	3105.6	1451.7
80°	217.8	223.3	222.4	275.5	404.6	632.5	704.8	1514.8	2697.4	1635.6	760.6
82.5°	133.6	133.6	129.1	130.0	147.4	242.6	265.4	645.3	1313.4	805.5	217.8
85°	65.9	69.6	74.1	83.3	98.9	119.9	127.2	184.9	442.1	195.0	52.2
87.5°	39.4	40.3	43.9	53.1	65.9	86.0	91.5	125.4	158.3	130.9	12.8
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-SA5A-722-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2.5°	87.0	86.0	81.5	77.8	74.1	70.5	67.7	65.0	65.0	65.9	65.0
5°	87.0	83.3	76.0	69.6	64.1	59.5	54.9	51.3	50.3	50.3	51.3
7.5°	86.0	81.5	71.4	63.2	55.8	49.4	44.8	40.3	39.4	40.3	39.4
10°	85.1	79.6	67.7	57.7	47.6	41.2	34.8	30.2	30.2	30.2	31.1
12.5°	85.1	76.9	64.1	52.2	41.2	33.9	27.5	22.9	22.0	22.0	22.0
15°	84.2	75.1	60.4	45.8	34.8	25.6	20.1	15.6	15.6	15.6	15.6
17.5°	82.4	72.3	55.8	40.3	27.5	19.2	13.7	9.2	9.2	11.0	11.0
20°	80.5	69.6	50.3	33.0	22.9	14.6	9.2	5.5	5.5	8.2	9.2
22.5°	81.5	69.6	46.7	29.3	18.3	11.0	7.3	4.6	3.7	6.4	8.2
25°	82.4	67.7	42.1	25.6	13.7	8.2	5.5	1.8	0.9	1.8	2.7
27.5°	82.4	65.9	36.6	20.1	10.1	6.4	2.7	0.0	0.0	0.0	0.0
30°	81.5	63.2	32.0	16.5	7.3	3.7	0.9	0.0	0.0	0.0	0.0
32.5°	80.5	60.4	29.3	12.8	6.4	1.8	0.0	0.0	0.0	0.0	0.0
35°	81.5	56.7	25.6	10.1	3.7	0.0	0.0	0.0	0.0	0.0	1.8
37.5°	84.2	53.1	22.0	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	87.9	50.3	18.3	6.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	95.2	50.3	16.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	104.3	50.3	13.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	116.2	51.3	11.9	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	130.9	53.1	11.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	141.9	51.3	10.1	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	161.1	49.4	9.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	186.7	46.7	9.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	212.3	43.0	9.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	241.6	41.2	8.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	399.1	36.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	770.7	34.8	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1245.7	34.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1309.8	34.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	871.4	28.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	466.8	25.6	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	251.7	23.8	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	110.8	17.4	4.6	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.9	11.9	5.5	4.6	3.7	1.8	0.0	0.0	0.0	0.0	0.0
85°	21.1	9.2	7.3	6.4	4.6	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	10.1	9.2	8.2	7.3	6.4	4.6	0.9	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

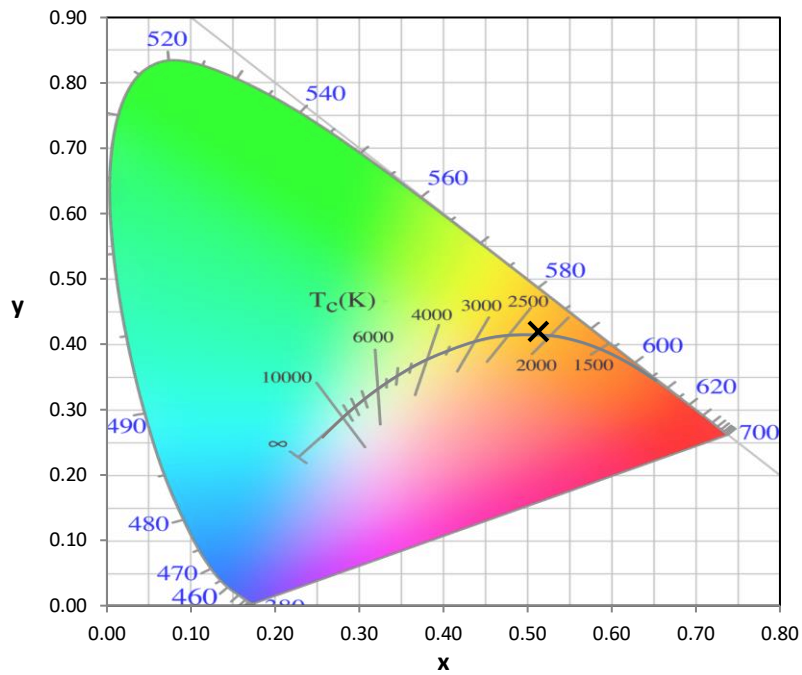
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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)