

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: P1066946

Luminaire Tested: **NAV-SA4B-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066946
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13516.7 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

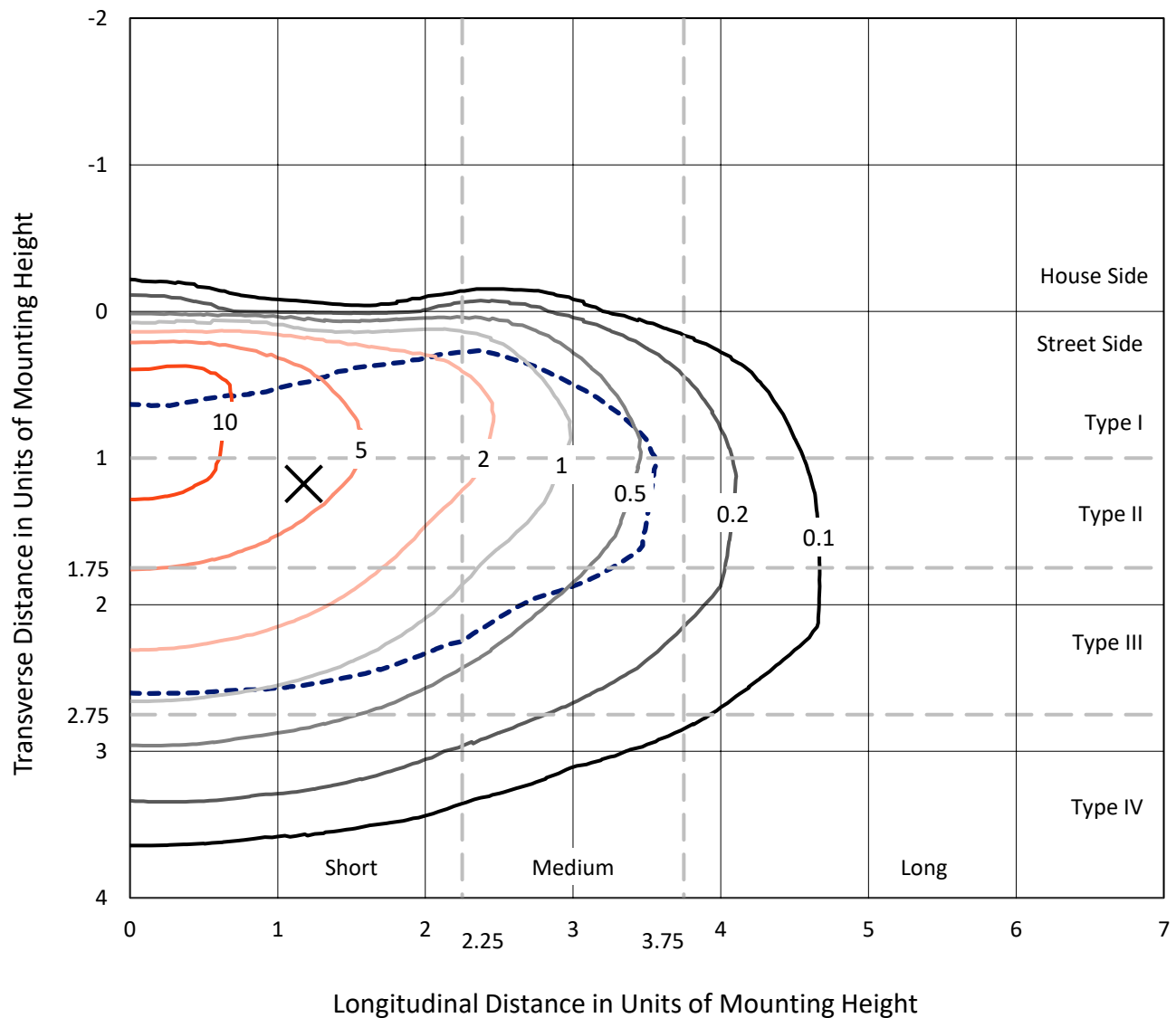


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

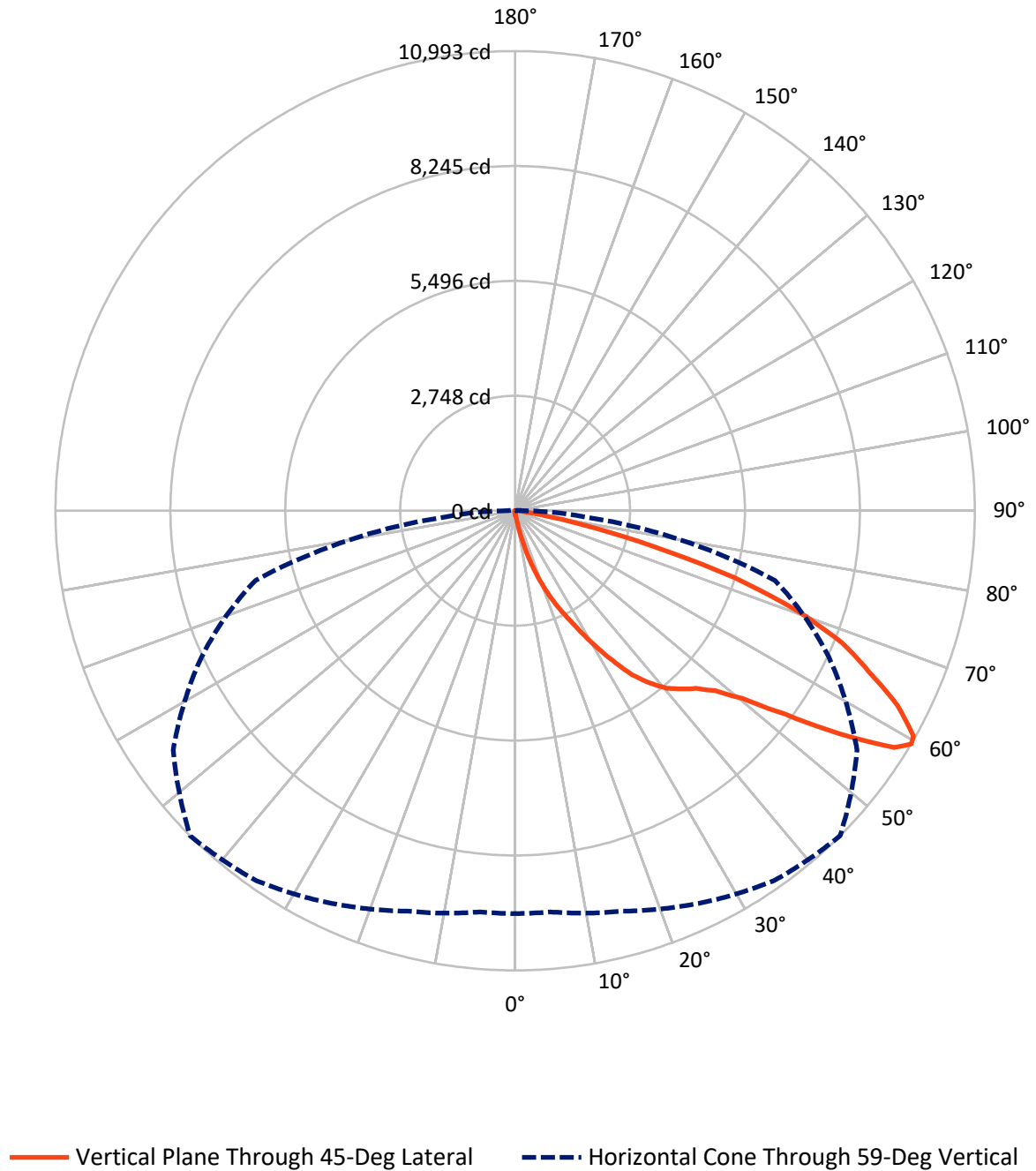


Based on 15 foot mounting height. Maximum calculated value = 14.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	48.0	0.0	48.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	13468.7	0.0	13468.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	13516.7	0.0	13516.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.1
10°-20°	149.4	1.1
20°-30°	536.8	4.0
30°-40°	1247.4	9.2
40°-50°	2126.1	15.7
50°-60°	3503.3	25.9
60°-70°	4050.5	30.0
70°-80°	1740.2	12.9
80°-90°	150.4	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°	13516.7	100.0
0°-180°	13516.7	100.0



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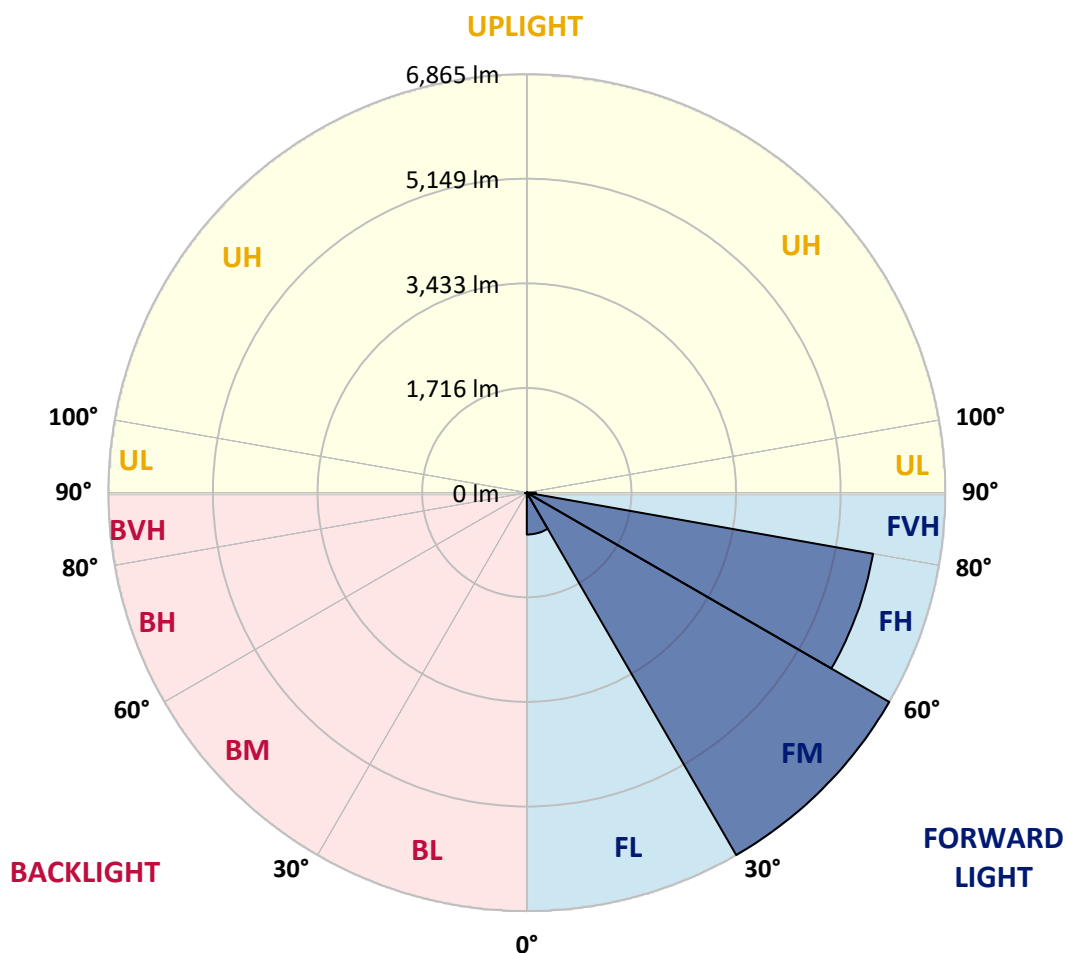
CATALOG NUMBER: NAV-SA4B-722-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	686.9	5.1			
FM	(30°-60°)	6865.1	50.8			
FH	(60°-80°)	5768.2	42.7			G3/7500
FVH	(80°-90°)	148.4	1.1			G2/225
BL	(0°-30°)	11.8	0.1	B0/110		
BM	(30°-60°)	11.6	0.1	B0/220		
BH	(60°-80°)	22.6	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°	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2.5°	110.9	110.9	108.2	104.5	103.6	100.9	100.9	98.2	94.5	91.8	88.2
5°	160.9	160.0	152.7	143.6	131.8	124.5	124.5	114.5	105.4	97.2	90.0
7.5°	351.7	343.6	317.2	273.6	216.3	178.1	175.4	142.7	120.9	104.5	90.9
10°	807.1	778.9	741.6	637.1	470.8	329.0	322.6	208.1	144.5	112.7	92.7
12.5°	1322.4	1345.1	1270.6	1106.1	911.6	678.0	632.6	350.8	190.9	123.6	94.5
15°	1791.4	1785.9	1744.1	1609.6	1385.1	1074.3	1046.1	609.8	273.6	140.9	96.3
17.5°	2142.2	2135.8	2095.8	2009.5	1836.8	1526.0	1501.4	972.5	429.0	165.4	98.2
20°	2512.1	2503.9	2447.6	2378.5	2227.6	1963.1	1934.1	1377.8	671.7	205.4	98.2
22.5°	2955.6	2940.2	2880.2	2763.0	2603.9	2374.0	2347.6	1792.3	972.5	270.8	102.7
25°	3491.9	3465.5	3382.8	3277.4	3085.6	2780.2	2752.0	2254.0	1335.1	369.9	107.2
27.5°	4103.5	4108.1	3996.3	3818.1	3560.9	3249.2	3196.5	2667.5	1710.5	511.7	112.7
30°	4829.7	4784.3	4627.0	4419.8	4169.9	3772.7	3721.8	3079.2	2132.2	720.7	121.8
32.5°	5509.5	5460.5	5248.7	4987.9	4719.7	4300.8	4258.9	3541.8	2515.7	967.9	138.1
35°	6093.0	6058.5	5762.2	5444.1	5206.0	4831.5	4818.8	4058.1	2966.5	1234.2	156.3
37.5°	6606.5	6543.8	6163.0	5833.1	5591.3	5256.0	5228.7	4530.7	3401.0	1543.3	183.6
40°	7044.6	7010.1	6545.7	6112.1	5915.8	5615.9	5581.3	4945.1	3850.0	1902.3	217.2
42.5°	7513.6	7468.1	7017.4	6531.1	6169.4	5848.6	5825.8	5286.9	4249.9	2296.7	267.2
45°	8043.5	7958.9	7563.6	7127.3	6577.5	6089.4	6064.0	5591.3	4659.8	2720.2	328.1
47.5°	8609.7	8536.1	8216.1	7909.9	7277.3	6486.6	6432.0	5850.4	5066.9	3209.2	405.4
50°	9185.9	9187.7	8947.8	8800.5	8132.5	7131.9	7054.6	6231.2	5495.0	3732.7	519.9
52.5°	9856.6	9873.9	9870.3	9761.2	9243.2	8187.1	8083.5	6809.2	5992.2	4343.5	678.0
55°	10137.5	10168.4	10369.2	10611.0	10470.1	9524.9	9414.0	7806.2	6651.1	5024.2	912.5
57.5°	9907.5	9942.1	10219.3	10642.8	10966.4	10696.4	10683.7	9104.1	7519.0	5849.5	1296.0
59°	9634.0	9629.4	9913.9	10362.9	10799.1	10974.6	10992.7	9982.1	8275.2	6428.4	1626.9
60°	9452.2	9455.8	9644.9	10105.7	10569.2	10873.7	10944.6	10499.2	8716.9	6844.7	1910.4
62.5°	8750.6	8792.4	8942.3	9370.4	9810.3	10150.2	10271.1	10960.0	9981.2	7828.1	2896.6
65°	7988.0	7990.7	8204.3	8570.6	8992.3	9231.3	9307.7	10242.9	10825.5	8829.6	4189.9
67.5°	6627.4	6682.9	6925.6	7519.0	8076.2	8378.8	8437.0	8916.0	10475.6	9482.2	4837.9
70°	4637.9	4710.7	5056.9	5826.7	6656.5	7153.7	7150.0	7411.8	9219.5	9191.4	4101.7
72.5°	2315.8	2441.2	2723.9	3548.2	4553.4	5334.1	5498.6	5962.2	7406.3	7634.5	3060.2
75°	1023.4	1030.7	1191.5	1606.9	2263.1	3254.6	3401.9	4732.5	5682.2	5306.0	2210.4
77.5°	595.3	600.8	629.8	721.6	917.0	1595.1	1760.5	3103.8	4015.4	3083.8	1441.5
80°	216.3	221.8	220.9	273.6	401.7	628.0	699.8	1504.2	2678.4	1624.1	755.3
82.5°	132.7	132.7	128.2	129.1	146.3	240.8	263.6	640.8	1304.2	799.8	216.3
85°	65.4	69.1	73.6	82.7	98.2	119.1	126.3	183.6	439.0	193.6	51.8
87.5°	39.1	40.0	43.6	52.7	65.4	85.4	90.9	124.5	157.2	130.0	12.7
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°	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2.5°	86.3	85.4	80.9	77.3	73.6	70.0	67.3	64.5	64.5	65.4	64.5
5°	86.3	82.7	75.4	69.1	63.6	59.1	54.5	50.9	50.0	50.0	50.9
7.5°	85.4	80.9	70.9	62.7	55.4	49.1	44.5	40.0	39.1	40.0	39.1
10°	84.5	79.1	67.3	57.3	47.3	40.9	34.5	30.0	30.0	30.0	30.9
12.5°	84.5	76.3	63.6	51.8	40.9	33.6	27.3	22.7	21.8	21.8	21.8
15°	83.6	74.5	60.0	45.4	34.5	25.4	20.0	15.5	15.5	15.5	15.5
17.5°	81.8	71.8	55.4	40.0	27.3	19.1	13.6	9.1	9.1	10.9	10.9
20°	80.0	69.1	50.0	32.7	22.7	14.5	9.1	5.5	5.5	8.2	9.1
22.5°	80.9	69.1	46.4	29.1	18.2	10.9	7.3	4.5	3.6	6.4	8.2
25°	81.8	67.3	41.8	25.4	13.6	8.2	5.5	1.8	0.9	1.8	2.7
27.5°	81.8	65.4	36.4	20.0	10.0	6.4	2.7	0.0	0.0	0.0	0.0
30°	80.9	62.7	31.8	16.4	7.3	3.6	0.9	0.0	0.0	0.0	0.0
32.5°	80.0	60.0	29.1	12.7	6.4	1.8	0.0	0.0	0.0	0.0	0.0
35°	80.9	56.3	25.4	10.0	3.6	0.0	0.0	0.0	0.0	0.0	1.8
37.5°	83.6	52.7	21.8	8.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0
40°	87.3	50.0	18.2	6.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	94.5	50.0	16.4	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	103.6	50.0	13.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	115.4	50.9	11.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	130.0	52.7	10.9	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	140.9	50.9	10.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	160.0	49.1	9.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	185.4	46.4	9.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	210.9	42.7	9.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	239.9	40.9	8.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	396.3	36.4	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	765.3	34.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1237.0	34.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1300.6	34.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	865.2	28.2	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	463.5	25.4	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	249.9	23.6	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	110.0	17.3	4.5	2.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	43.6	11.8	5.5	4.5	3.6	1.8	0.0	0.0	0.0	0.0	0.0
85°	20.9	9.1	7.3	6.4	4.5	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	9.1	8.2	7.3	6.4	4.5	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

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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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)