

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: P1067425

Luminaire Tested: **NAV-SA4A-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067425
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10387.5 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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

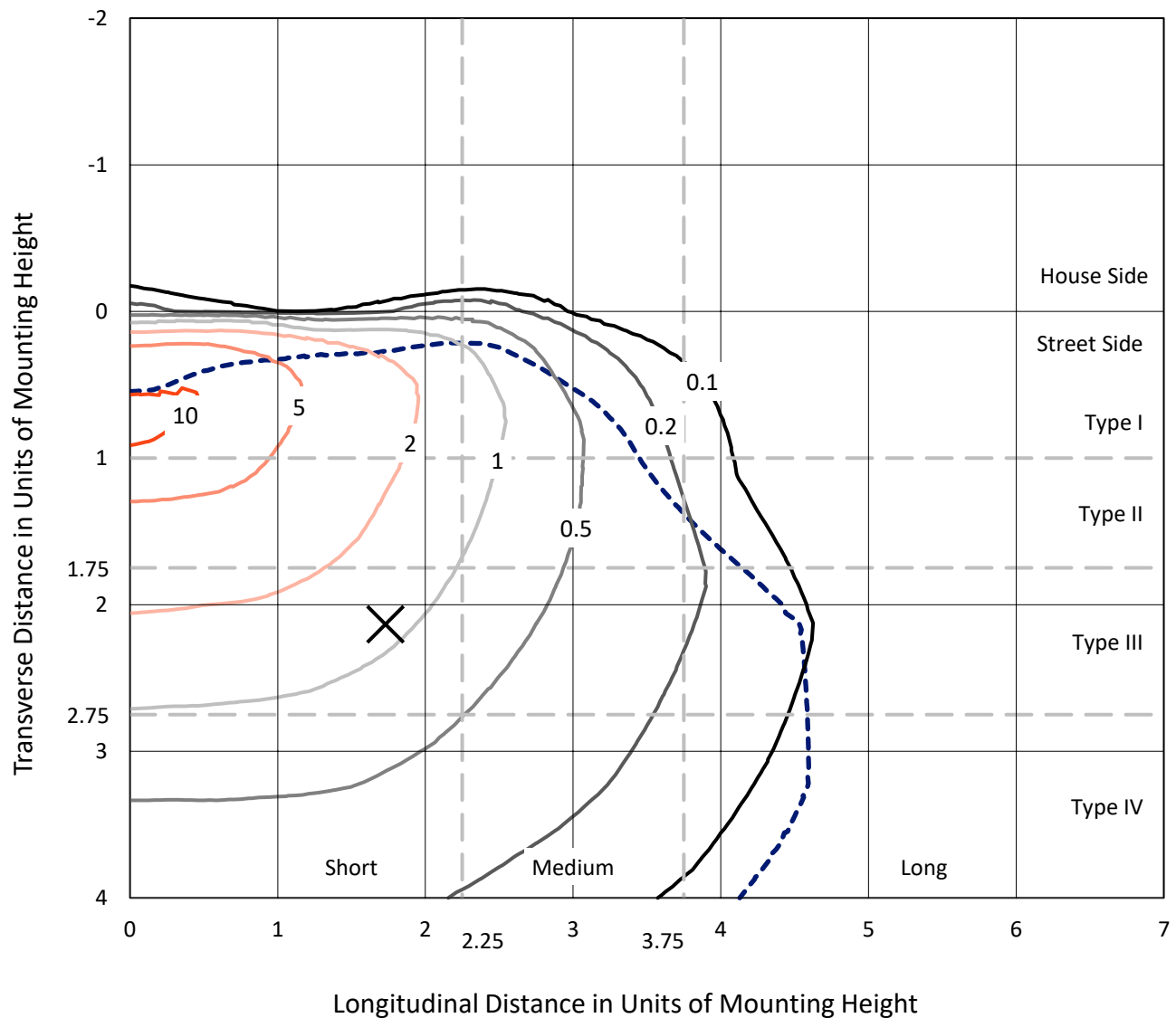


REPORT NUMBER: P1067425

CATALOG NUMBER: NAV-SA4A-722-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

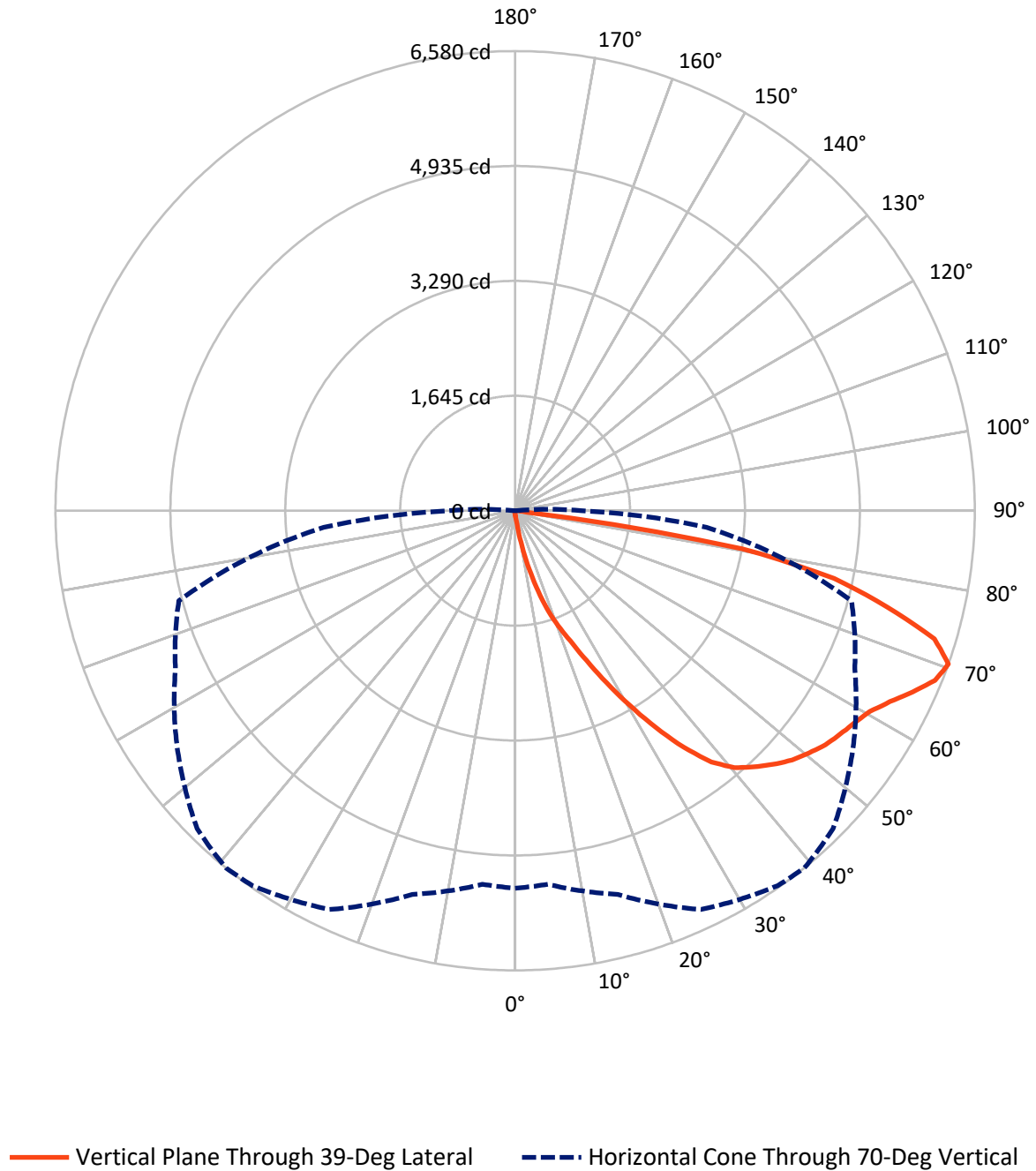


Based on 15 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067425

CATALOG NUMBER: NAV-SA4A-722-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067425

CATALOG NUMBER: NAV-SA4A-722-U-T4BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32.0	0.0	32.0
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	10355.5	0.0	10355.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	10387.5	0.0	10387.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	0.1
10°-20°	127.7	1.2
20°-30°	433.4	4.2
30°-40°	1018.5	9.8
40°-50°	1653.8	15.9
50°-60°	2095.7	20.2
60°-70°	2662.0	25.6
70°-80°	2162.9	20.8
80°-90°	222.7	2.1
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°	10387.5	100.0
0°-180°	10387.5	100.0



REPORT NUMBER: P1067425

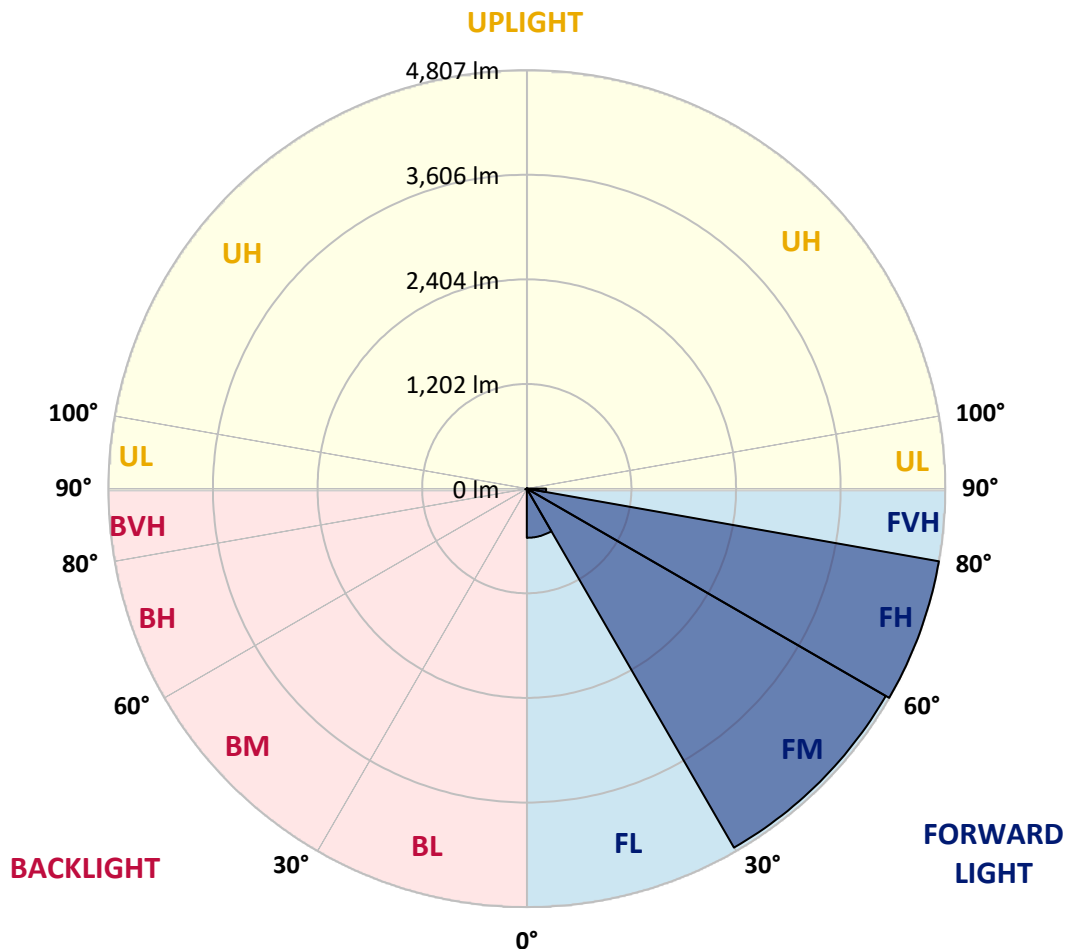
CATALOG NUMBER: NAV-SA4A-722-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	565.1	5.4			
FM	(30°-60°)	4761.7	45.8			
FH	(60°-80°)	4807.4	46.3			G2/5000
FVH	(80°-90°)	221.4	2.1			G2/225
BL	(0°-30°)	6.9	0.1	B0/110		
BM	(30°-60°)	6.1	0.1	B0/220		
BH	(60°-80°)	17.6	0.2	B0/110		G0/110
BVH	(80°-90°)	1.3	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 IV Short



REPORT NUMBER: P1067425

CATALOG NUMBER: NAV-SA4A-722-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2.5°	73.3	73.3	73.3	70.5	70.5	67.7	67.7	64.9	62.0	62.0	59.2
5°	138.2	141.0	132.5	115.6	104.3	98.7	93.1	79.0	70.5	64.9	59.2
7.5°	377.9	366.6	349.7	293.3	225.6	191.8	163.6	115.6	84.6	67.7	59.2
10°	795.3	764.3	716.3	640.2	507.6	454.0	352.5	211.5	118.4	76.1	59.2
12.5°	1167.6	1173.2	1114.0	1040.6	879.9	789.7	651.5	397.6	186.1	90.2	59.2
15°	1449.6	1443.9	1421.4	1362.1	1218.3	1130.9	1006.8	668.4	313.0	112.8	62.0
17.5°	1672.4	1649.8	1641.3	1616.0	1522.9	1475.0	1339.6	984.2	496.4	152.3	64.9
20°	1895.2	1889.5	1881.1	1852.9	1790.8	1757.0	1652.6	1302.9	738.9	217.2	70.5
22.5°	2219.5	2188.5	2194.1	2132.1	2081.3	2022.1	1937.5	1641.3	1018.1	310.2	79.0
25°	2600.2	2597.4	2552.3	2524.1	2439.5	2374.6	2261.8	1968.5	1328.3	448.4	87.4
27.5°	3048.6	3017.6	2997.9	2949.9	2862.5	2789.2	2634.0	2292.8	1663.9	603.5	98.7
30°	3516.8	3516.8	3480.1	3406.8	3322.2	3231.9	3074.0	2634.0	1996.7	800.9	112.8
32.5°	4063.9	4075.2	3984.9	3874.9	3764.9	3702.9	3497.0	3020.4	2315.4	1026.5	129.7
35°	4594.1	4580.0	4430.5	4309.2	4227.4	4159.8	3984.9	3443.4	2676.4	1288.8	152.3
37.5°	5101.7	5065.0	4816.9	4644.8	4608.2	4563.1	4388.2	3866.5	3034.5	1579.3	180.5
40°	5465.5	5409.1	5152.5	4915.6	4862.0	4836.6	4701.2	4250.0	3412.4	1903.6	217.2
42.5°	5623.4	5558.6	5380.9	5189.1	5070.7	5011.5	4893.0	4563.1	3790.3	2264.6	270.7
45°	5654.5	5603.7	5476.8	5431.7	5270.9	5180.7	5019.9	4785.8	4142.8	2622.8	344.1
47.5°	5541.7	5519.1	5442.9	5538.8	5457.0	5333.0	5138.4	4952.2	4455.9	3057.1	445.6
50°	5265.3	5248.4	5285.0	5536.0	5592.4	5451.4	5268.1	5082.0	4726.6	3505.5	589.4
52.5°	4893.0	4890.2	5062.2	5462.7	5651.6	5564.2	5395.0	5211.7	4941.0	3939.8	792.5
55°	4486.9	4534.8	4836.6	5395.0	5685.5	5646.0	5519.1	5327.3	5132.7	4343.1	1119.6
57.5°	4453.1	4433.3	4723.8	5366.8	5705.2	5727.8	5643.2	5448.6	5296.3	4673.0	1556.7
60°	4791.5	4746.4	4856.3	5426.0	5792.6	5832.1	5767.3	5541.7	5459.9	4932.5	2132.1
62.5°	5183.5	5141.2	5197.6	5654.5	5964.7	6021.1	5939.3	5637.5	5592.4	5113.0	2749.7
65°	5496.5	5462.7	5569.9	5995.7	6204.4	6252.3	6195.9	5815.2	5651.6	5259.6	3251.7
67.5°	5547.3	5505.0	5727.8	6224.1	6446.9	6480.8	6435.6	5987.2	5631.9	5270.9	3367.3
70°	5403.5	5366.8	5685.5	6297.5	6551.3	6579.5	6435.6	5905.5	5364.0	4983.3	2752.5
72.5°	4960.7	4988.9	5400.6	6119.8	6407.4	6277.7	5973.1	5493.7	5017.1	4224.6	1931.8
75°	4272.6	4303.6	4850.7	5631.9	5654.5	5496.5	5333.0	5053.8	4489.7	2783.5	1339.6
77.5°	3037.3	2927.3	3745.2	4650.5	4568.7	4670.2	4684.3	4204.9	3759.3	1449.6	896.8
80°	298.9	253.8	471.0	1333.9	2947.1	3294.0	3429.3	3240.4	2772.2	648.6	471.0
82.5°	64.9	64.9	70.5	76.1	118.4	177.7	815.0	1996.7	1790.8	330.0	152.3
85°	36.7	36.7	45.1	53.6	70.5	79.0	93.1	124.1	482.3	118.4	28.2
87.5°	28.2	31.0	36.7	45.1	59.2	64.9	79.0	98.7	121.3	110.0	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P1067425

CATALOG NUMBER: NAV-SA4A-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
2.5°	59.2	56.4	53.6	50.8	47.9	47.9	45.1	45.1	45.1	45.1	45.1
5°	56.4	53.6	50.8	45.1	42.3	39.5	36.7	36.7	36.7	36.7	36.7
7.5°	56.4	53.6	47.9	42.3	36.7	33.8	31.0	28.2	28.2	31.0	31.0
10°	56.4	50.8	42.3	36.7	31.0	28.2	25.4	22.6	22.6	22.6	22.6
12.5°	53.6	47.9	39.5	33.8	28.2	22.6	16.9	14.1	14.1	14.1	14.1
15°	50.8	45.1	36.7	28.2	19.7	14.1	11.3	8.5	8.5	8.5	8.5
17.5°	50.8	42.3	33.8	25.4	14.1	8.5	5.6	2.8	2.8	2.8	5.6
20°	50.8	42.3	31.0	19.7	8.5	5.6	5.6	2.8	0.0	2.8	2.8
22.5°	50.8	39.5	25.4	14.1	8.5	5.6	2.8	0.0	0.0	0.0	0.0
25°	53.6	39.5	22.6	11.3	5.6	2.8	0.0	0.0	0.0	0.0	0.0
27.5°	53.6	36.7	19.7	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
30°	56.4	36.7	16.9	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	56.4	33.8	11.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	56.4	31.0	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	56.4	28.2	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	59.2	25.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	62.0	22.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	64.9	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	73.3	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	84.6	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	101.5	19.7	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	132.5	16.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	191.8	16.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	321.5	16.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	564.0	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	953.2	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1243.7	19.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	944.8	16.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	451.2	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	200.2	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	87.4	8.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	33.8	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
82.5°	14.1	5.6	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
85°	8.5	5.6	5.6	5.6	2.8	2.8	2.8	0.0	0.0	0.0	0.0
87.5°	5.6	5.6	5.6	5.6	5.6	2.8	2.8	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

REPORT NUMBER: SP1-2407-184-2

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

REPORT NUMBER: SP1-2407-184-2

Photopic Flux vs. Wavelength



Photopic Lumens: NR

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			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 0.8

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			

REPORT NUMBER: SP1-2407-184-2

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			

REPORT NUMBER: SP1-2407-184-2

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)