

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: P1067187

Luminaire Tested: **NAV-SA4C-722-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067187
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-722-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15902.8 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 190.4
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

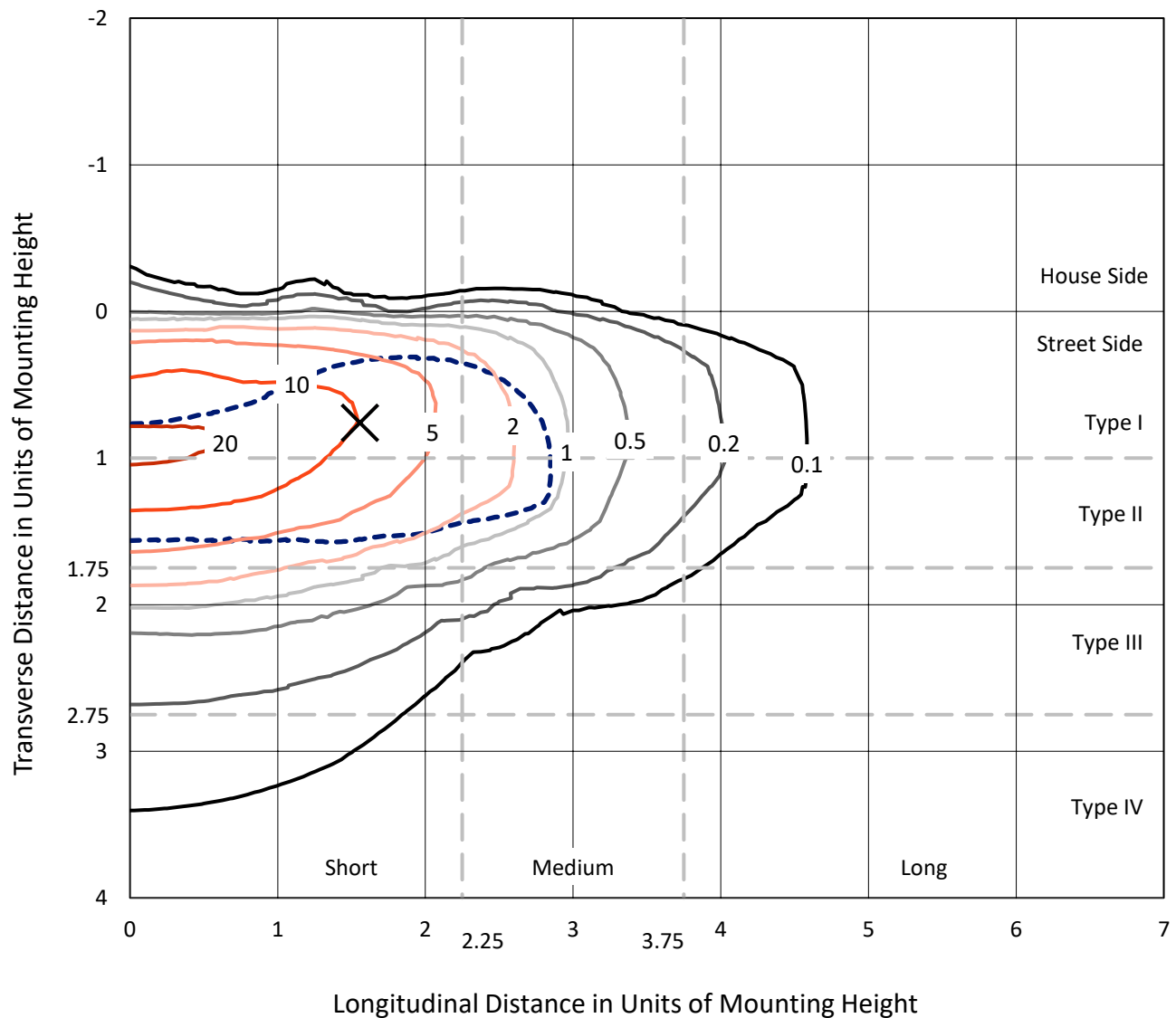


REPORT NUMBER: P1067187

CATALOG NUMBER: NAV-SA4C-722-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

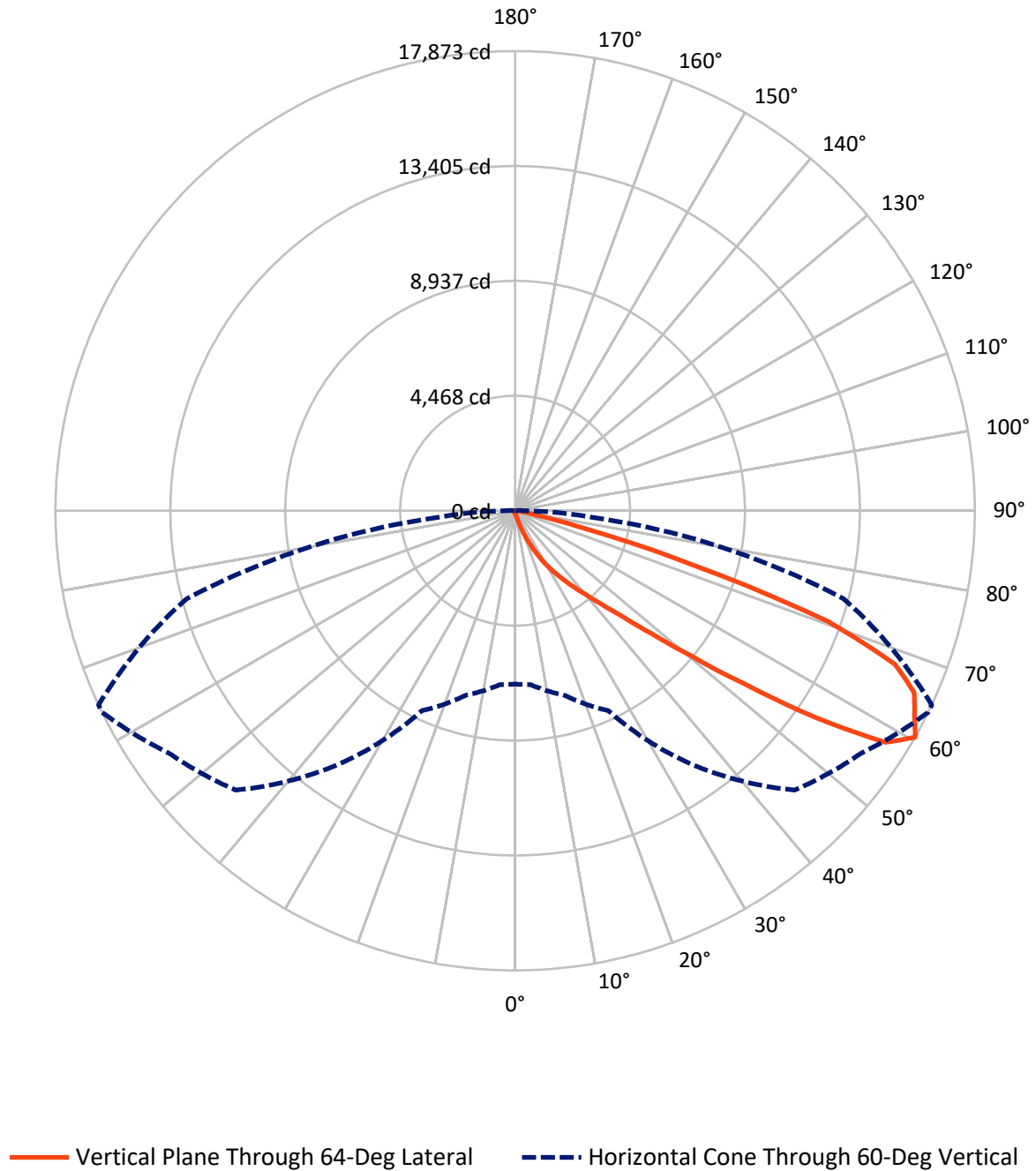


Based on 15 foot mounting height. Maximum calculated value = 22.8 fc
 Type II - Short - N/A

REPORT NUMBER: P1067187

CATALOG NUMBER: NAV-SA4C-722-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067187

CATALOG NUMBER: NAV-SA4C-722-U-T2BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.5	0.0	64.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15838.3	0.0	15838.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	15902.8	0.0	15902.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.1
10°-20°	156.3	1.0
20°-30°	519.0	3.3
30°-40°	1384.9	8.7
40°-50°	3520.1	22.1
50°-60°	5131.6	32.3
60°-70°	3963.6	24.9
70°-80°	1088.5	6.8
80°-90°	122.9	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°	15902.8	100.0
0°-180°	15902.8	100.0



REPORT NUMBER: P1067187

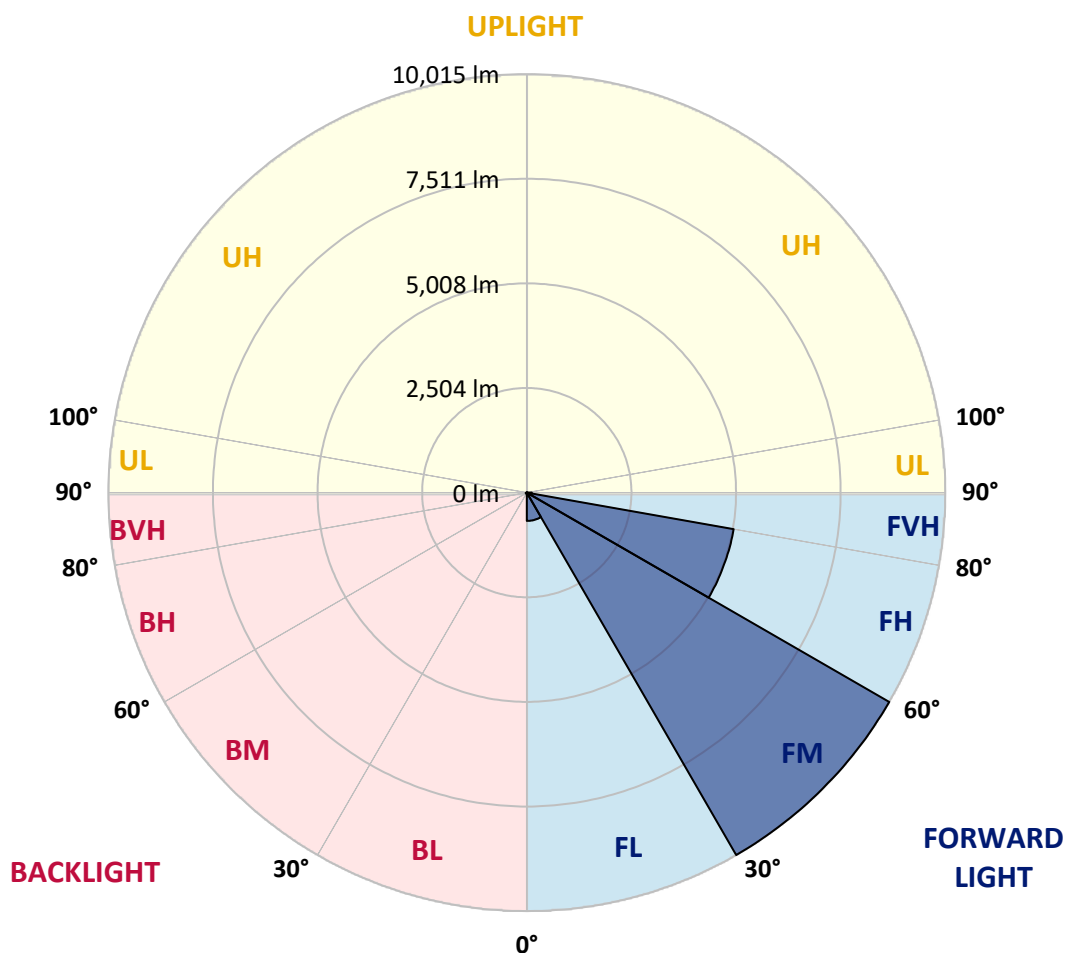
CATALOG NUMBER: NAV-SA4C-722-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	676.6	4.3			
FM	(30°-60°)	10015.3	63.0			
FH	(60°-80°)	5026.4	31.6			G3/7500
FVH	(80°-90°)	120.0	0.8			G2/225
BL	(0°-30°)	14.5	0.1	B0/110		
BM	(30°-60°)	21.4	0.1	B0/220		
BH	(60°-80°)	25.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.9	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 II Short



REPORT NUMBER: P1067187

CATALOG NUMBER: NAV-SA4C-722-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
2.5°	140.1	140.1	140.1	135.7	131.3	131.3	126.9	122.6	122.6	113.8	109.4
5°	214.5	214.5	205.7	197.0	183.9	166.3	148.8	135.7	135.7	122.6	113.8
7.5°	420.2	433.4	394.0	345.8	280.2	236.4	188.2	157.6	153.2	131.3	113.8
10°	910.5	901.8	840.5	722.3	569.1	411.5	262.6	192.6	183.9	140.1	113.8
12.5°	1370.1	1383.3	1317.6	1186.3	1002.4	731.0	450.9	249.5	240.8	153.2	113.8
15°	1764.1	1764.1	1720.3	1654.7	1453.3	1168.8	726.7	372.1	341.4	166.3	109.4
17.5°	2035.5	2031.1	2013.6	1996.1	1877.9	1584.6	1111.9	595.3	525.3	197.0	109.4
20°	2341.9	2328.8	2350.7	2315.7	2223.7	1991.7	1519.0	884.2	818.6	249.5	109.4
22.5°	2661.5	2674.6	2692.1	2657.1	2556.4	2355.1	1948.0	1256.3	1186.3	345.8	113.8
25°	3068.6	3059.8	3099.2	3068.6	2941.6	2705.3	2350.7	1663.4	1562.8	481.5	122.6
27.5°	3567.6	3550.1	3576.4	3497.6	3331.2	3090.5	2709.6	2079.3	1961.1	691.6	140.1
30°	4228.6	4241.8	4123.6	4031.6	3795.3	3475.7	3108.0	2525.8	2403.2	941.2	157.6
32.5°	5270.5	5178.5	4994.7	4622.6	4311.8	3904.7	3506.3	2915.4	2805.9	1260.7	183.9
35°	6894.5	6912.0	6509.3	5590.0	4915.9	4443.1	3944.1	3344.4	3265.6	1624.0	218.9
37.5°	8873.1	8824.9	8470.4	7310.3	5800.1	5112.9	4443.1	3812.8	3698.9	2018.0	262.6
40°	11114.4	10913.0	10707.3	9919.3	7643.0	5953.3	5073.5	4355.6	4268.0	2473.3	332.7
42.5°	12909.1	12856.6	12891.6	12563.3	10716.0	7384.8	5909.6	5020.9	4915.9	3038.0	455.3
45°	13793.4	13718.9	13929.1	14174.2	13701.4	10431.5	7257.8	5870.2	5730.1	3703.3	643.5
47.5°	13557.0	13504.4	13955.3	14436.8	15067.2	13964.1	9459.7	7139.6	6898.9	4556.9	923.6
50°	12392.6	12397.0	13136.7	14034.1	15032.2	15754.5	12720.9	8877.5	8575.4	5690.7	1361.4
52.5°	11258.8	11293.8	12077.4	13386.3	14511.3	15964.6	15583.7	11219.4	10729.1	7025.8	1877.9
55°	10094.4	10111.9	10803.6	12646.5	14266.1	15338.6	17054.6	14235.5	13714.6	8689.2	2381.3
57.5°	8973.8	8973.8	9232.1	10869.2	13999.1	15281.7	16879.5	16993.3	16568.7	10589.1	2753.4
60°	6741.3	6785.1	7428.5	8575.4	12073.0	15364.9	16433.0	17873.1	17873.1	13224.3	3038.0
62.5°	3405.7	3471.3	4272.4	5388.6	8282.1	14218.0	16503.0	17431.0	17501.1	15548.7	3685.8
65°	1597.8	1672.2	2101.2	2889.1	4456.2	10006.9	15776.3	17054.6	17032.7	15106.6	5051.6
67.5°	1146.9	1168.8	1313.2	1685.3	2398.8	4386.2	12042.4	15929.6	15938.3	12834.7	5808.9
70°	1028.7	1028.7	1063.7	1173.2	1444.6	1961.1	5852.7	12900.4	13526.3	9910.6	5384.3
72.5°	1015.6	1006.8	998.1	1002.4	976.2	984.9	2009.3	7284.1	8177.1	6933.9	4294.3
75°	989.3	989.3	980.5	949.9	779.2	634.7	691.6	2946.0	3405.7	4631.3	3186.8
77.5°	783.6	862.4	954.3	897.4	713.5	477.1	402.7	853.6	1076.9	2841.0	2311.3
80°	363.3	367.7	363.3	380.8	455.3	341.4	297.7	415.9	420.2	1575.9	1431.4
82.5°	262.6	267.0	253.9	227.6	201.4	183.9	245.1	306.4	328.3	722.3	534.0
85°	78.8	74.4	87.5	118.2	140.1	162.0	205.7	258.3	271.4	267.0	78.8
87.5°	35.0	35.0	43.8	61.3	83.2	122.6	179.5	236.4	240.8	275.8	21.9
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: P1067187

CATALOG NUMBER: NAV-SA4C-722-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1	105.1
2.5°	109.4	105.1	100.7	96.3	91.9	87.5	83.2	83.2	87.5	87.5	87.5
5°	105.1	100.7	91.9	83.2	78.8	74.4	70.0	70.0	74.4	74.4	74.4
7.5°	105.1	96.3	87.5	78.8	70.0	65.7	61.3	61.3	61.3	65.7	65.7
10°	105.1	96.3	83.2	70.0	61.3	56.9	52.5	48.2	52.5	52.5	52.5
12.5°	100.7	91.9	78.8	65.7	52.5	43.8	39.4	39.4	39.4	39.4	39.4
15°	96.3	87.5	74.4	56.9	43.8	35.0	26.3	26.3	26.3	30.6	30.6
17.5°	91.9	83.2	65.7	43.8	30.6	21.9	17.5	17.5	17.5	21.9	21.9
20°	91.9	78.8	56.9	35.0	21.9	13.1	8.8	8.8	8.8	13.1	17.5
22.5°	91.9	78.8	52.5	26.3	13.1	8.8	4.4	4.4	4.4	4.4	4.4
25°	91.9	74.4	48.2	21.9	8.8	4.4	0.0	0.0	4.4	8.8	13.1
27.5°	91.9	70.0	39.4	13.1	8.8	4.4	0.0	4.4	8.8	8.8	8.8
30°	91.9	70.0	35.0	13.1	4.4	0.0	0.0	4.4	8.8	8.8	13.1
32.5°	96.3	65.7	30.6	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	100.7	61.3	26.3	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	109.4	61.3	17.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	122.6	65.7	17.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	153.2	70.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	214.5	87.5	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	315.2	131.3	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	459.6	179.5	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	564.7	179.5	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	560.3	113.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	429.0	78.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	363.3	56.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	437.7	43.8	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	779.2	39.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1252.0	39.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1400.8	39.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1094.4	35.0	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	599.7	30.6	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	302.0	21.9	8.8	4.4	4.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	126.9	17.5	8.8	4.4	4.4	4.4	0.0	0.0	0.0	0.0	0.0
82.5°	43.8	17.5	8.8	8.8	4.4	4.4	0.0	0.0	0.0	0.0	0.0
85°	21.9	13.1	13.1	8.8	8.8	4.4	4.4	0.0	0.0	0.0	0.0
87.5°	13.1	13.1	13.1	8.8	8.8	4.4	4.4	0.0	0.0	0.0	4.4
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

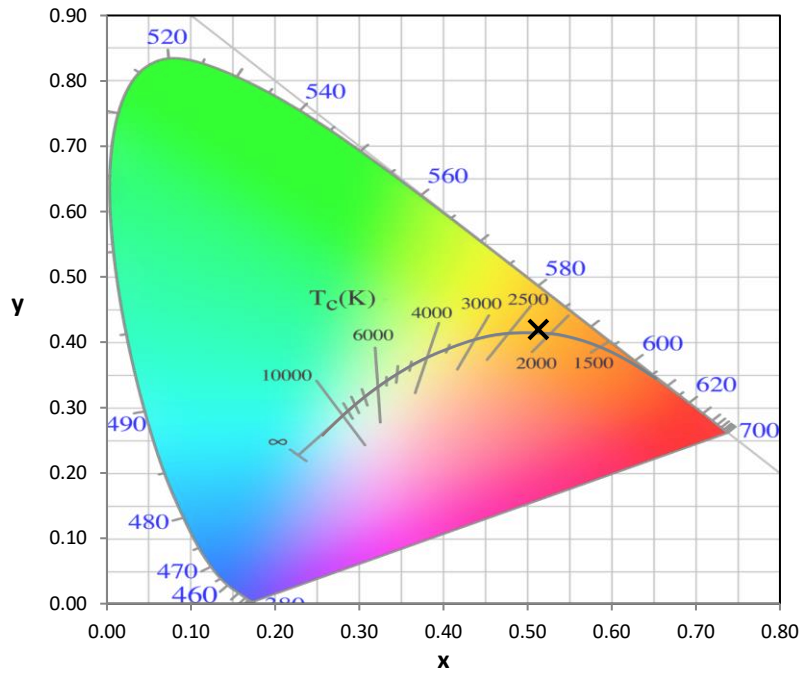
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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 W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /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)