

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: P1066935

Luminaire Tested: **NAV-SA1C-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066935
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4409.3 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 50.1
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

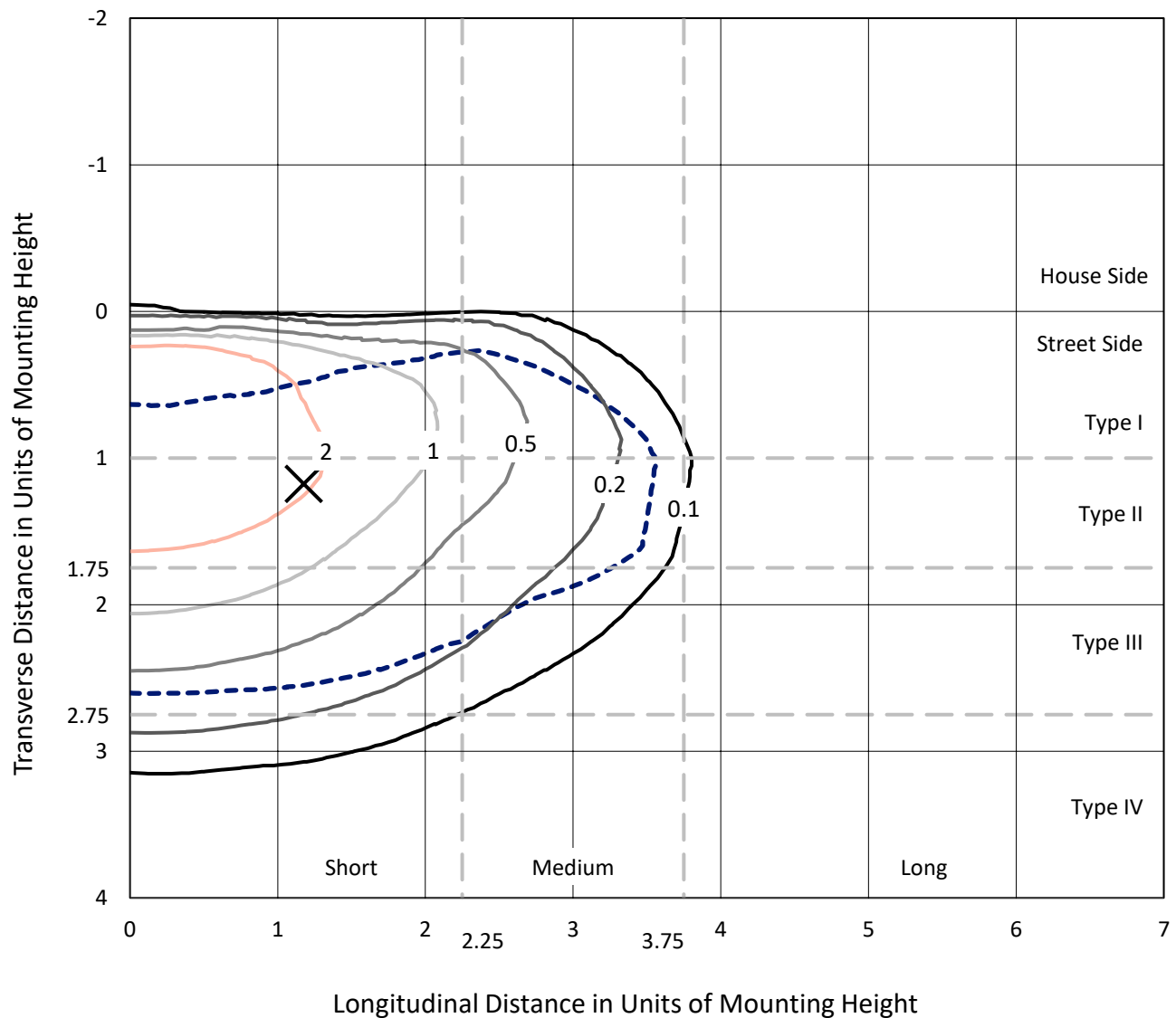


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

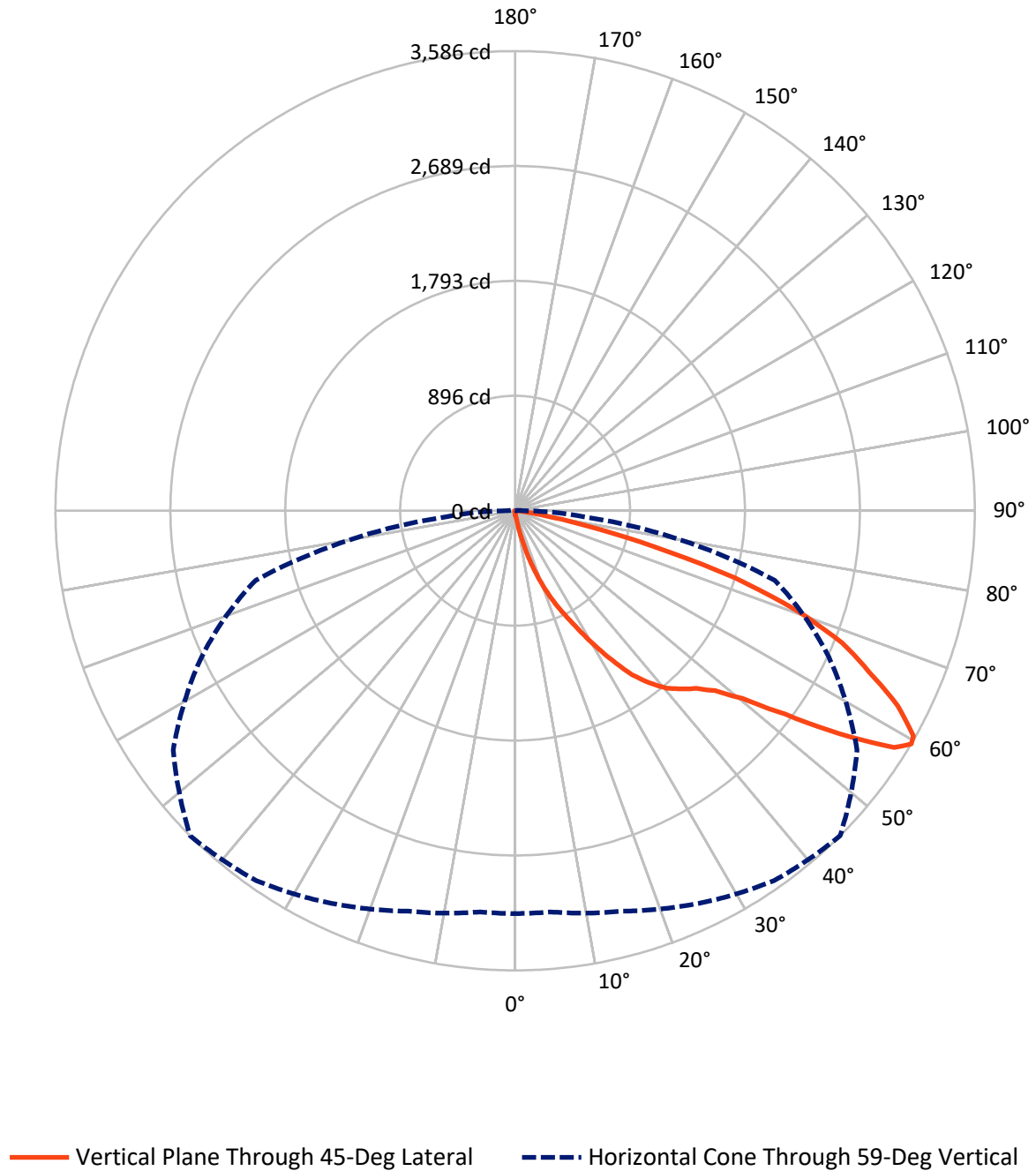


Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.7	0.0	15.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4393.6	0.0	4393.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	4409.3	0.0	4409.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	48.7	1.1
20°-30°	175.1	4.0
30°-40°	406.9	9.2
40°-50°	693.6	15.7
50°-60°	1142.8	25.9
60°-70°	1321.3	30.0
70°-80°	567.7	12.9
80°-90°	49.1	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°	4409.3	100.0
0°-180°	4409.3	100.0



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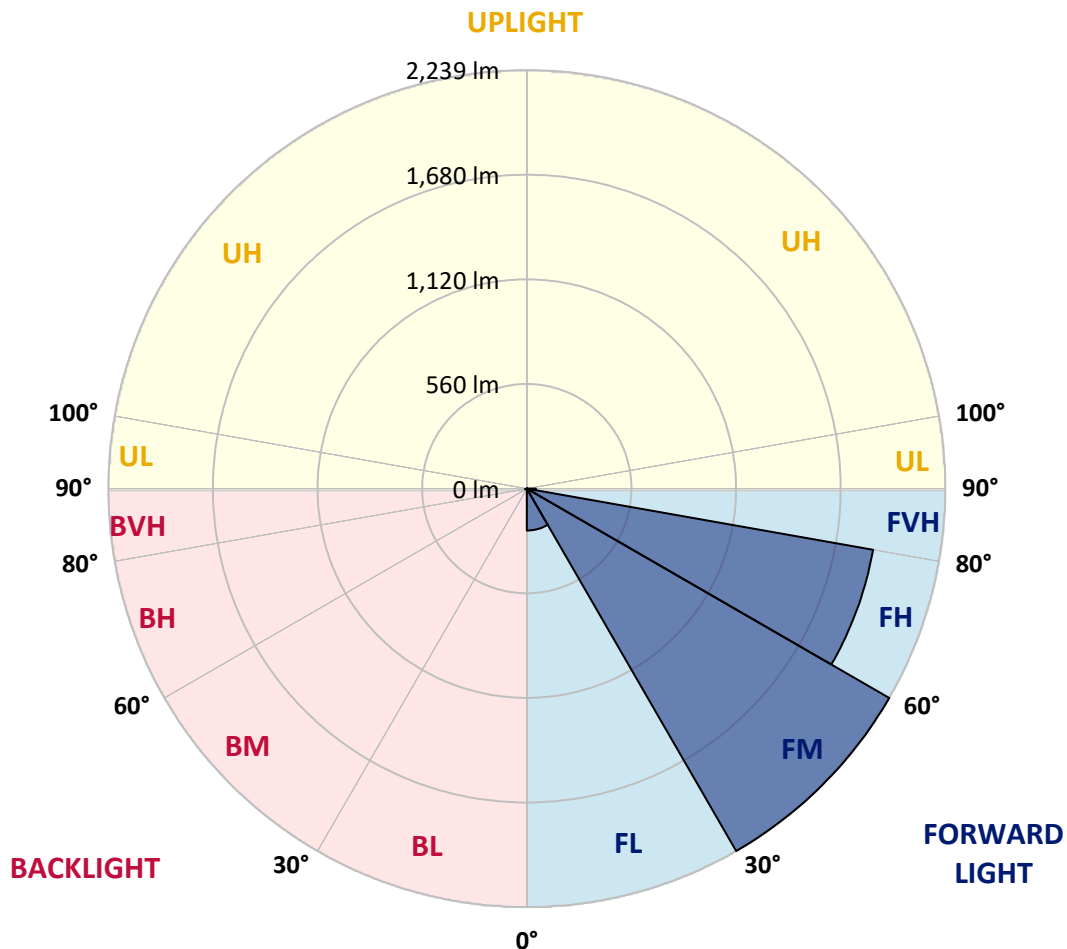
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.1	5.1			
FM	(30°-60°)	2239.5	50.8			
FH	(60°-80°)	1881.6	42.7			G2/5000
FVH	(80°-90°)	48.4	1.1			G1/100
BL	(0°-30°)	3.9	0.1	B0/110		
BM	(30°-60°)	3.8	0.1	B0/220		
BH	(60°-80°)	7.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	36.2	36.2	35.3	34.1	33.8	32.9	32.9	32.0	30.8	29.9	28.8
5°	52.5	52.2	49.8	46.8	43.0	40.6	40.6	37.4	34.4	31.7	29.4
7.5°	114.7	112.1	103.5	89.2	70.6	58.1	57.2	46.5	39.4	34.1	29.6
10°	263.3	254.1	241.9	207.8	153.6	107.3	105.3	67.9	47.1	36.8	30.2
12.5°	431.4	438.8	414.5	360.8	297.4	221.2	206.4	114.4	62.3	40.3	30.8
15°	584.4	582.6	568.9	525.1	451.8	350.4	341.2	198.9	89.2	46.0	31.4
17.5°	698.8	696.7	683.7	655.5	599.2	497.8	489.8	317.2	139.9	54.0	32.0
20°	819.5	816.8	798.4	775.9	726.7	640.4	630.9	449.5	219.1	67.0	32.0
22.5°	964.2	959.1	939.5	901.3	849.4	774.4	765.8	584.7	317.2	88.4	33.5
25°	1139.1	1130.5	1103.5	1069.1	1006.6	906.9	897.7	735.3	435.5	120.7	35.0
27.5°	1338.6	1340.1	1303.6	1245.5	1161.6	1059.9	1042.7	870.2	558.0	166.9	36.8
30°	1575.5	1560.7	1509.4	1441.8	1360.3	1230.7	1214.1	1004.5	695.5	235.1	39.7
32.5°	1797.3	1781.3	1712.2	1627.1	1539.6	1402.9	1389.3	1155.4	820.7	315.8	45.1
35°	1987.6	1976.3	1879.7	1775.9	1698.2	1576.1	1571.9	1323.8	967.7	402.6	51.0
37.5°	2155.1	2134.7	2010.4	1902.8	1824.0	1714.5	1705.7	1478.0	1109.4	503.4	59.9
40°	2298.0	2286.8	2135.3	1993.8	1929.8	1832.0	1820.7	1613.2	1255.9	620.5	70.9
42.5°	2451.0	2436.2	2289.1	2130.5	2012.5	1907.9	1900.4	1724.6	1386.3	749.2	87.2
45°	2623.9	2596.3	2467.3	2325.0	2145.6	1986.4	1978.1	1824.0	1520.1	887.4	107.0
47.5°	2808.6	2784.5	2680.2	2580.3	2373.9	2116.0	2098.2	1908.4	1652.9	1046.9	132.2
50°	2996.5	2997.1	2918.9	2870.8	2652.9	2326.5	2301.3	2032.7	1792.5	1217.6	169.6
52.5°	3215.3	3221.0	3219.8	3184.2	3015.2	2670.7	2636.9	2221.2	1954.7	1416.9	221.2
55°	3306.9	3317.0	3382.6	3461.4	3415.5	3107.1	3070.9	2546.5	2169.6	1638.9	297.7
57.5°	3231.9	3243.2	3333.6	3471.8	3577.3	3489.3	3485.1	2969.8	2452.8	1908.2	422.8
59°	3142.7	3141.2	3234.0	3380.5	3522.8	3580.0	3585.9	3256.3	2699.5	2097.0	530.7
60°	3083.4	3084.6	3146.3	3296.6	3447.8	3547.1	3570.2	3424.9	2843.5	2232.8	623.2
62.5°	2854.5	2868.2	2917.1	3056.7	3200.2	3311.1	3350.5	3575.3	3256.0	2553.6	944.9
65°	2605.8	2606.7	2676.3	2795.8	2933.4	3011.4	3036.3	3341.3	3531.4	2880.3	1366.8
67.5°	2161.9	2180.0	2259.2	2452.8	2634.5	2733.3	2752.2	2908.5	3417.2	3093.2	1578.2
70°	1512.9	1536.7	1649.6	1900.7	2171.4	2333.6	2332.4	2417.8	3007.5	2998.3	1338.0
72.5°	755.4	796.3	888.6	1157.5	1485.4	1740.0	1793.7	1944.9	2416.0	2490.4	998.3
75°	333.8	336.2	388.7	524.2	738.2	1061.7	1109.7	1543.8	1853.6	1730.9	721.0
77.5°	194.2	196.0	205.5	235.4	299.1	520.3	574.3	1012.5	1309.9	1006.0	470.2
80°	70.6	72.3	72.0	89.2	131.0	204.9	228.3	490.7	873.7	529.8	246.4
82.5°	43.3	43.3	41.8	42.1	47.7	78.6	86.0	209.0	425.5	260.9	70.6
85°	21.3	22.5	24.0	27.0	32.0	38.8	41.2	59.9	143.2	63.2	16.9
87.5°	12.7	13.0	14.2	17.2	21.3	27.9	29.6	40.6	51.3	42.4	4.2
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°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
2.5°	28.2	27.9	26.4	25.2	24.0	22.8	21.9	21.1	21.1	21.3	21.1
5°	28.2	27.0	24.6	22.5	20.8	19.3	17.8	16.6	16.3	16.3	16.6
7.5°	27.9	26.4	23.1	20.5	18.1	16.0	14.5	13.0	12.7	13.0	12.7
10°	27.6	25.8	21.9	18.7	15.4	13.3	11.3	9.8	9.8	9.8	10.1
12.5°	27.6	24.9	20.8	16.9	13.3	11.0	8.9	7.4	7.1	7.1	7.1
15°	27.3	24.3	19.6	14.8	11.3	8.3	6.5	5.0	5.0	5.0	5.0
17.5°	26.7	23.4	18.1	13.0	8.9	6.2	4.4	3.0	3.0	3.6	3.6
20°	26.1	22.5	16.3	10.7	7.4	4.7	3.0	1.8	1.8	2.7	3.0
22.5°	26.4	22.5	15.1	9.5	5.9	3.6	2.4	1.5	1.2	2.1	2.7
25°	26.7	21.9	13.6	8.3	4.4	2.7	1.8	0.6	0.3	0.6	0.9
27.5°	26.7	21.3	11.9	6.5	3.3	2.1	0.9	0.0	0.0	0.0	0.0
30°	26.4	20.5	10.4	5.3	2.4	1.2	0.3	0.0	0.0	0.0	0.0
32.5°	26.1	19.6	9.5	4.2	2.1	0.6	0.0	0.0	0.0	0.0	0.0
35°	26.4	18.4	8.3	3.3	1.2	0.0	0.0	0.0	0.0	0.0	0.6
37.5°	27.3	17.2	7.1	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
40°	28.5	16.3	5.9	2.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	30.8	16.3	5.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	33.8	16.3	4.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	37.7	16.6	3.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	42.4	17.2	3.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	46.0	16.6	3.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	52.2	16.0	3.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	60.5	15.1	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	68.8	13.9	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	78.3	13.3	2.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	129.3	11.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	249.6	11.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	403.5	11.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	424.3	11.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	282.2	9.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	151.2	8.3	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	81.5	7.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	35.9	5.6	1.5	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.2	3.9	1.8	1.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0
85°	6.8	3.0	2.4	2.1	1.5	0.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.0	2.7	2.4	2.1	1.5	0.3	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 $\text{W}^\wedge/\text{nm}$	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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Scotopic Flux vs. Wavelength


Scotopic Lumens: NR
S/P: 0.8

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			

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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)