

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: P1067415

Luminaire Tested: **NAV-SA1C-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067415
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-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4215.6 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - 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

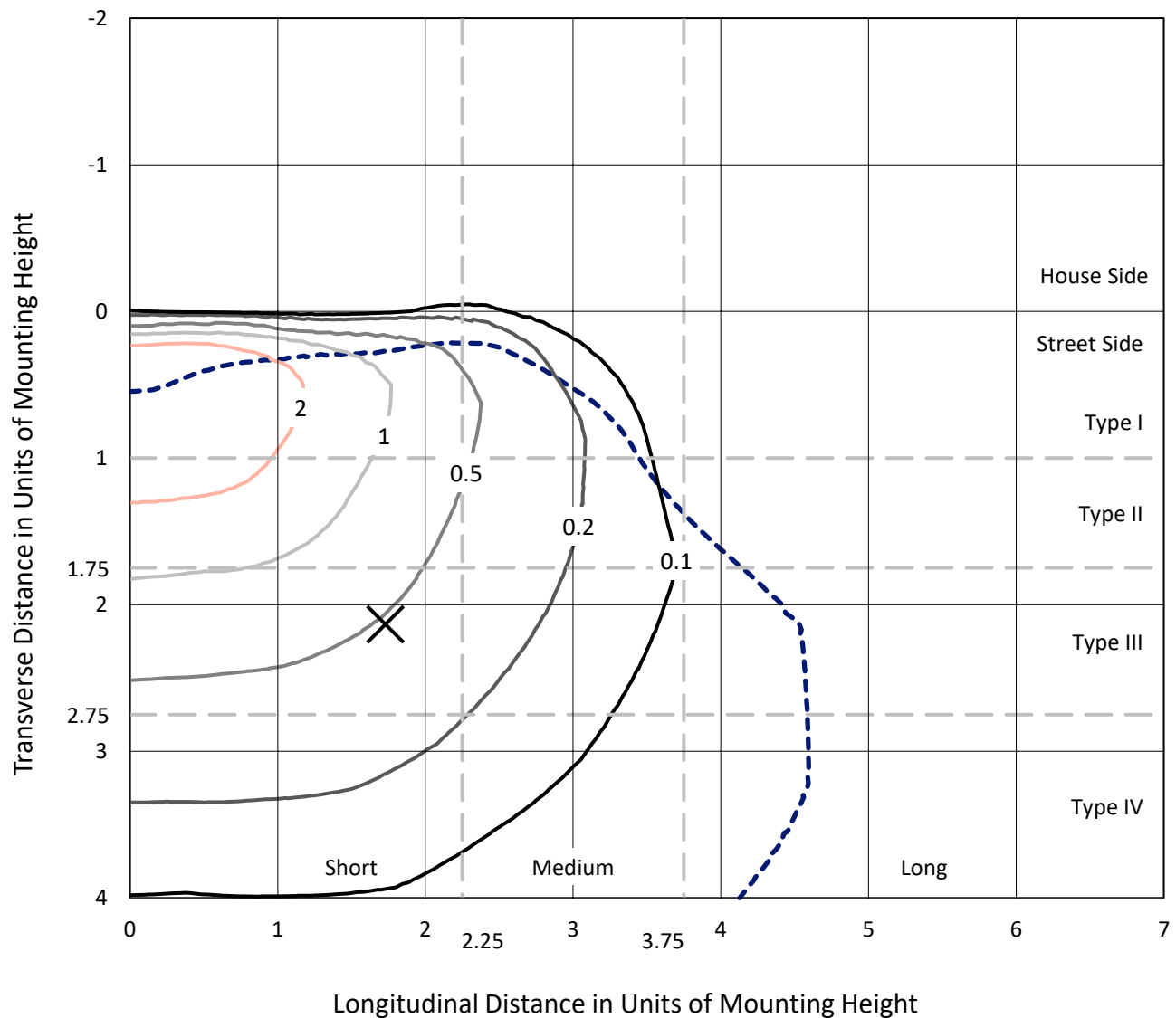


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

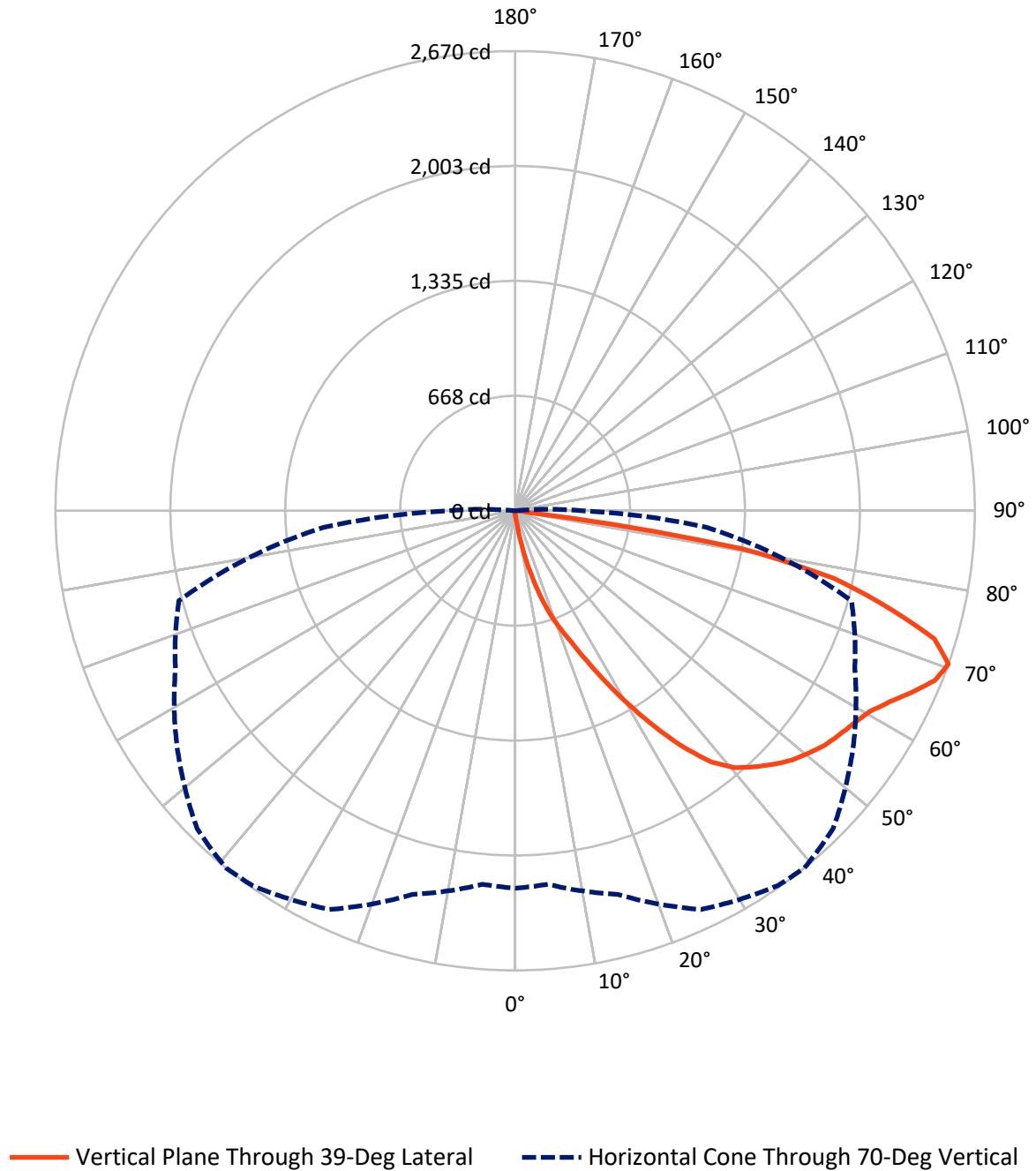


Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13.0	0.0	13.0
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	4202.6	0.0	4202.6
	% Fixture	99.7	0.0	99.7
Total	Lumens	4215.6	0.0	4215.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	51.8	1.2
20°-30°	175.9	4.2
30°-40°	413.3	9.8
40°-50°	671.1	15.9
50°-60°	850.5	20.2
60°-70°	1080.3	25.6
70°-80°	877.8	20.8
80°-90°	90.4	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°	4215.6	100.0
0°-180°	4215.6	100.0



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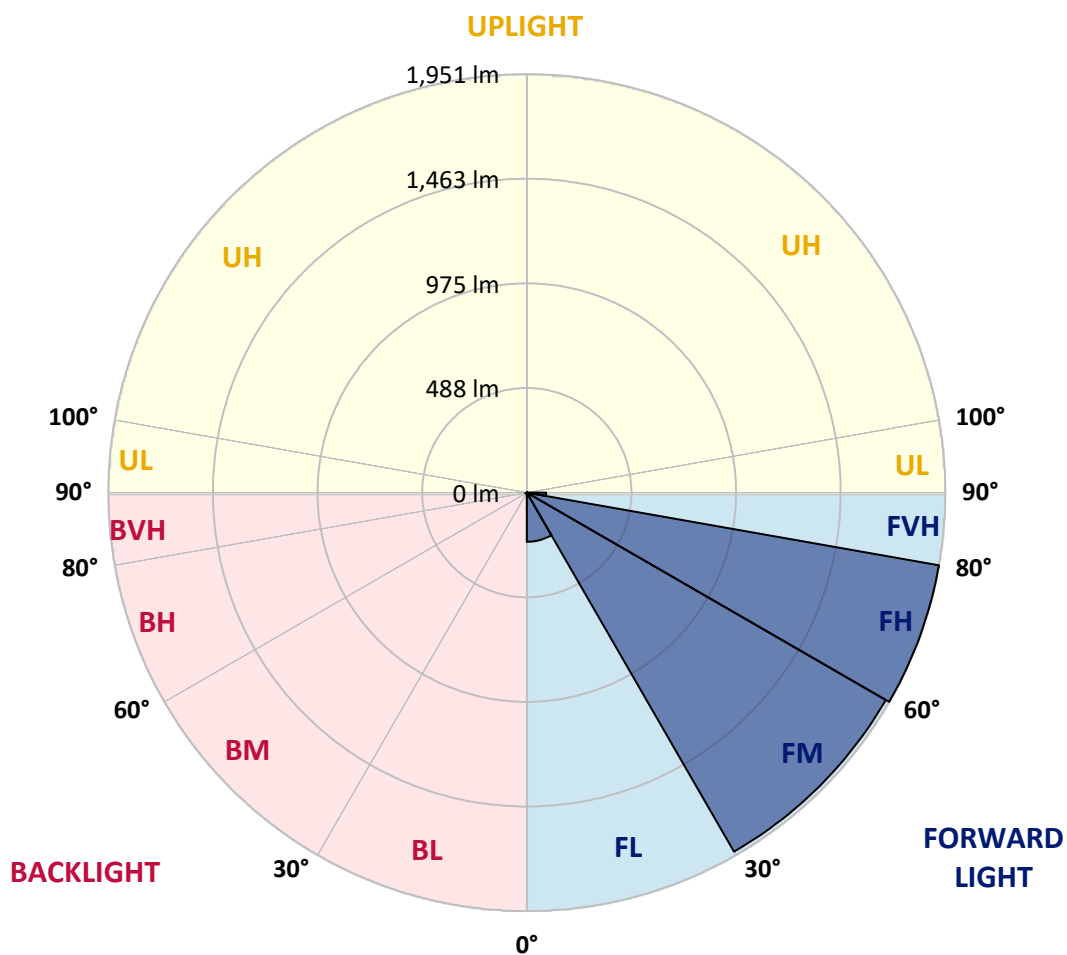
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.3	5.4			
FM	(30°-60°)	1932.5	45.8			
FH	(60°-80°)	1951.0	46.3			G2/5000
FVH	(80°-90°)	89.8	2.1			G1/100
BL	(0°-30°)	2.8	0.1	B0/110		
BM	(30°-60°)	2.5	0.1	B0/220		
BH	(60°-80°)	7.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	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



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CATALOG NUMBER: NAV-SA1C-722-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	29.8	29.8	29.8	28.6	28.6	27.5	27.5	26.3	25.2	25.2	24.0
5°	56.1	57.2	53.8	46.9	42.3	40.1	37.8	32.0	28.6	26.3	24.0
7.5°	153.4	148.8	141.9	119.0	91.6	77.8	66.4	46.9	34.3	27.5	24.0
10°	322.8	310.2	290.7	259.8	206.0	184.3	143.1	85.8	48.1	30.9	24.0
12.5°	473.8	476.1	452.1	422.3	357.1	320.5	264.4	161.4	75.5	36.6	24.0
15°	588.3	586.0	576.8	552.8	494.4	459.0	408.6	271.3	127.0	45.8	25.2
17.5°	678.7	669.5	666.1	655.8	618.0	598.6	543.6	399.4	201.4	61.8	26.3
20°	769.1	766.8	763.4	751.9	726.8	713.0	670.7	528.8	299.9	88.1	28.6
22.5°	900.7	888.1	890.4	865.3	844.7	820.6	786.3	666.1	413.2	125.9	32.0
25°	1055.2	1054.1	1035.8	1024.3	990.0	963.7	917.9	798.9	539.1	182.0	35.5
27.5°	1237.2	1224.6	1216.6	1197.2	1161.7	1131.9	1069.0	930.5	675.3	244.9	40.1
30°	1427.2	1427.2	1412.3	1382.6	1348.2	1311.6	1247.5	1069.0	810.3	325.0	45.8
32.5°	1649.2	1653.8	1617.2	1572.6	1527.9	1502.8	1419.2	1225.8	939.6	416.6	52.6
35°	1864.4	1858.7	1798.0	1748.8	1715.6	1688.2	1617.2	1397.5	1086.1	523.0	61.8
37.5°	2070.4	2055.6	1954.8	1885.0	1870.1	1851.8	1780.9	1569.1	1231.5	640.9	73.2
40°	2218.1	2195.2	2091.0	1994.9	1973.1	1962.8	1907.9	1724.8	1384.9	772.5	88.1
42.5°	2282.2	2255.8	2183.7	2105.9	2057.8	2033.8	1985.7	1851.8	1538.2	919.0	109.9
45°	2294.8	2274.2	2222.7	2204.3	2139.1	2102.5	2037.2	1942.2	1681.3	1064.4	139.6
47.5°	2249.0	2239.8	2208.9	2247.8	2214.6	2164.3	2085.3	2009.8	1808.3	1240.7	180.8
50°	2136.8	2129.9	2144.8	2246.7	2269.6	2212.4	2138.0	2062.4	1918.2	1422.6	239.2
52.5°	1985.7	1984.6	2054.4	2216.9	2293.6	2258.1	2189.5	2115.1	2005.2	1598.9	321.6
55°	1820.9	1840.4	1962.8	2189.5	2307.3	2291.3	2239.8	2162.0	2083.0	1762.6	454.4
57.5°	1807.2	1799.2	1917.1	2178.0	2315.4	2324.5	2290.2	2211.2	2149.4	1896.5	631.8
60°	1944.5	1926.2	1970.9	2202.1	2350.8	2366.9	2340.5	2249.0	2215.8	2001.8	865.3
62.5°	2103.6	2086.5	2109.3	2294.8	2420.7	2443.5	2410.4	2287.9	2269.6	2075.0	1115.9
65°	2230.7	2216.9	2260.4	2433.2	2517.9	2537.4	2514.5	2360.0	2293.6	2134.5	1319.6
67.5°	2251.3	2234.1	2324.5	2525.9	2616.4	2630.1	2611.8	2429.8	2285.6	2139.1	1366.6
70°	2192.9	2178.0	2307.3	2555.7	2658.7	2670.2	2611.8	2396.6	2176.9	2022.4	1117.0
72.5°	2013.2	2024.7	2191.8	2483.6	2600.3	2547.7	2424.1	2229.5	2036.1	1714.5	784.0
75°	1733.9	1746.5	1968.6	2285.6	2294.8	2230.7	2164.3	2051.0	1822.1	1129.6	543.6
77.5°	1232.6	1188.0	1519.9	1887.3	1854.1	1895.3	1901.0	1706.5	1525.6	588.3	364.0
80°	121.3	103.0	191.1	541.4	1196.0	1336.8	1391.7	1315.1	1125.1	263.2	191.1
82.5°	26.3	26.3	28.6	30.9	48.1	72.1	330.8	810.3	726.8	133.9	61.8
85°	14.9	14.9	18.3	21.7	28.6	32.0	37.8	50.4	195.7	48.1	11.4
87.5°	11.4	12.6	14.9	18.3	24.0	26.3	32.0	40.1	49.2	44.6	3.4
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°	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9
2.5°	24.0	22.9	21.7	20.6	19.5	19.5	18.3	18.3	18.3	18.3	18.3
5°	22.9	21.7	20.6	18.3	17.2	16.0	14.9	14.9	14.9	14.9	14.9
7.5°	22.9	21.7	19.5	17.2	14.9	13.7	12.6	11.4	11.4	12.6	12.6
10°	22.9	20.6	17.2	14.9	12.6	11.4	10.3	9.2	9.2	9.2	9.2
12.5°	21.7	19.5	16.0	13.7	11.4	9.2	6.9	5.7	5.7	5.7	5.7
15°	20.6	18.3	14.9	11.4	8.0	5.7	4.6	3.4	3.4	3.4	3.4
17.5°	20.6	17.2	13.7	10.3	5.7	3.4	2.3	1.1	1.1	1.1	2.3
20°	20.6	17.2	12.6	8.0	3.4	2.3	2.3	1.1	0.0	1.1	1.1
22.5°	20.6	16.0	10.3	5.7	3.4	2.3	1.1	0.0	0.0	0.0	0.0
25°	21.7	16.0	9.2	4.6	2.3	1.1	0.0	0.0	0.0	0.0	0.0
27.5°	21.7	14.9	8.0	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
30°	22.9	14.9	6.9	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	22.9	13.7	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	22.9	12.6	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	22.9	11.4	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	24.0	10.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	25.2	9.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	26.3	8.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	29.8	8.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	34.3	8.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	41.2	8.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	53.8	6.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	77.8	6.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	130.5	6.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	228.9	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	386.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	504.7	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	383.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	183.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	81.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	35.5	3.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	13.7	2.3	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	5.7	2.3	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
85°	3.4	2.3	2.3	2.3	1.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	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

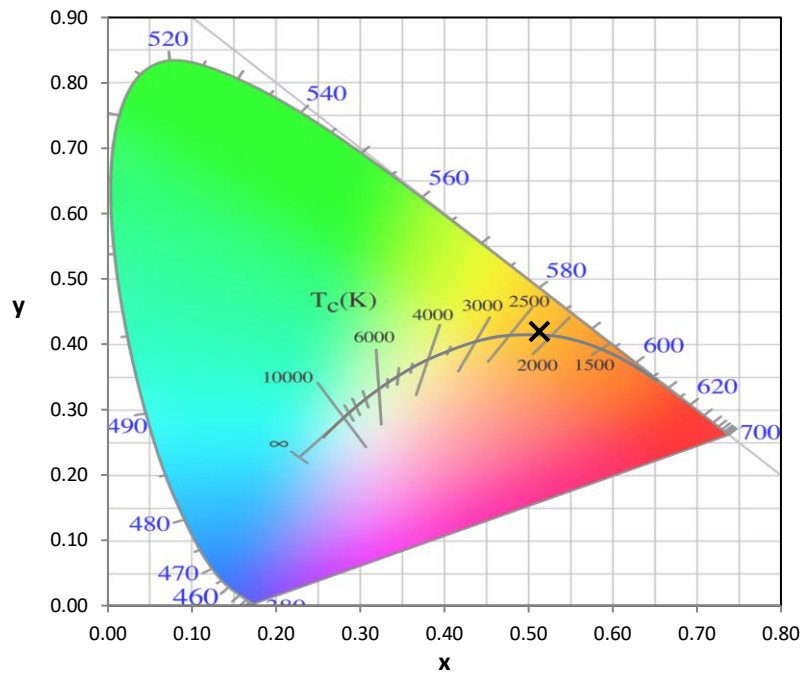
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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 ^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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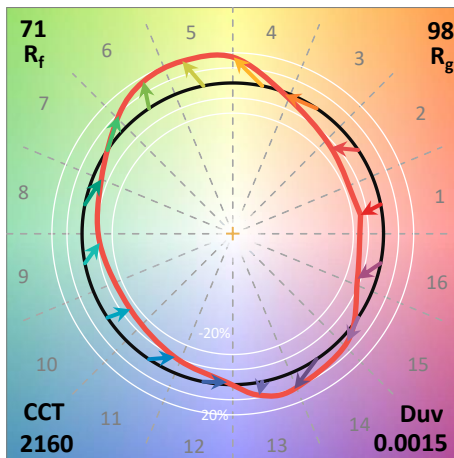
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE R_a = 71.9$
 $R_g = -17.8$

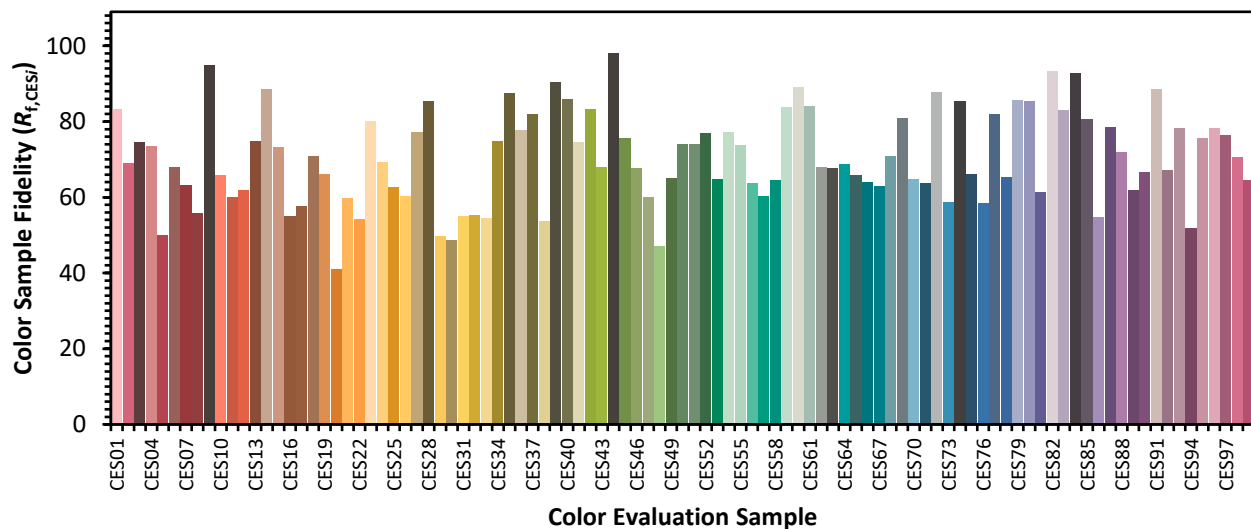


Color Vector Graphics



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)