

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: P1066933

Luminaire Tested: **NAV-SA1A-722-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066933
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-722-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 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: 2832.7 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 29.2
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

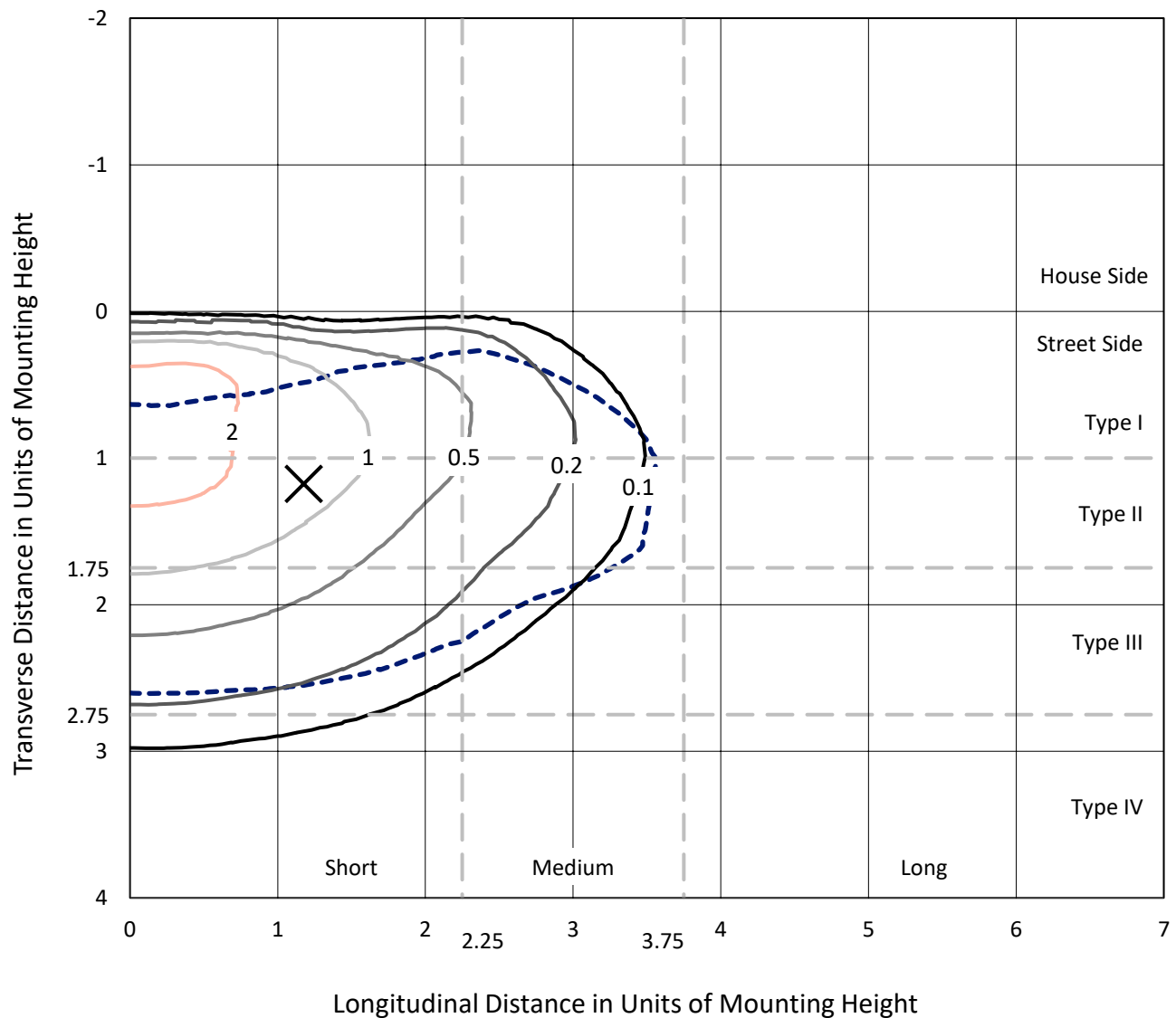


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

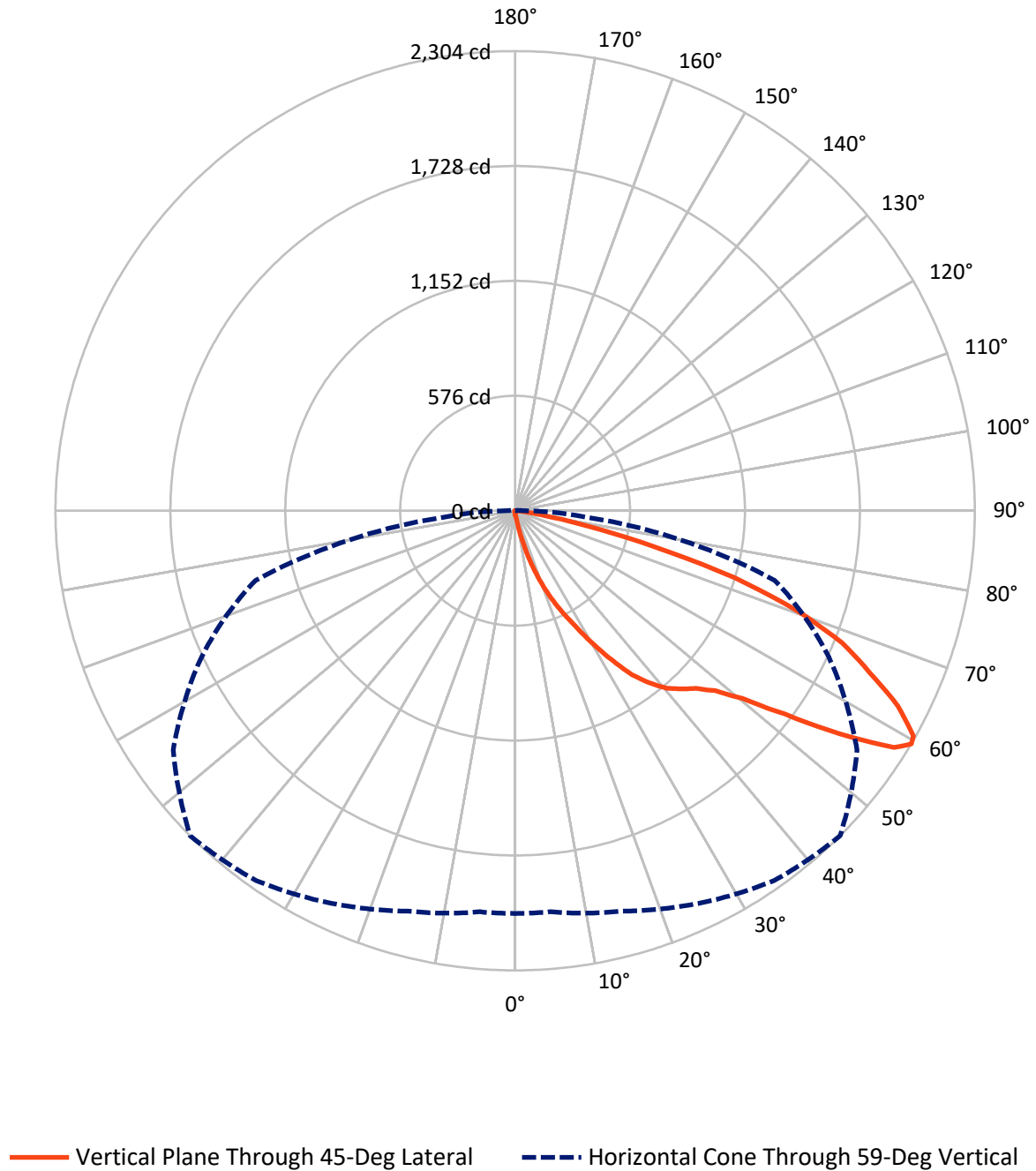


Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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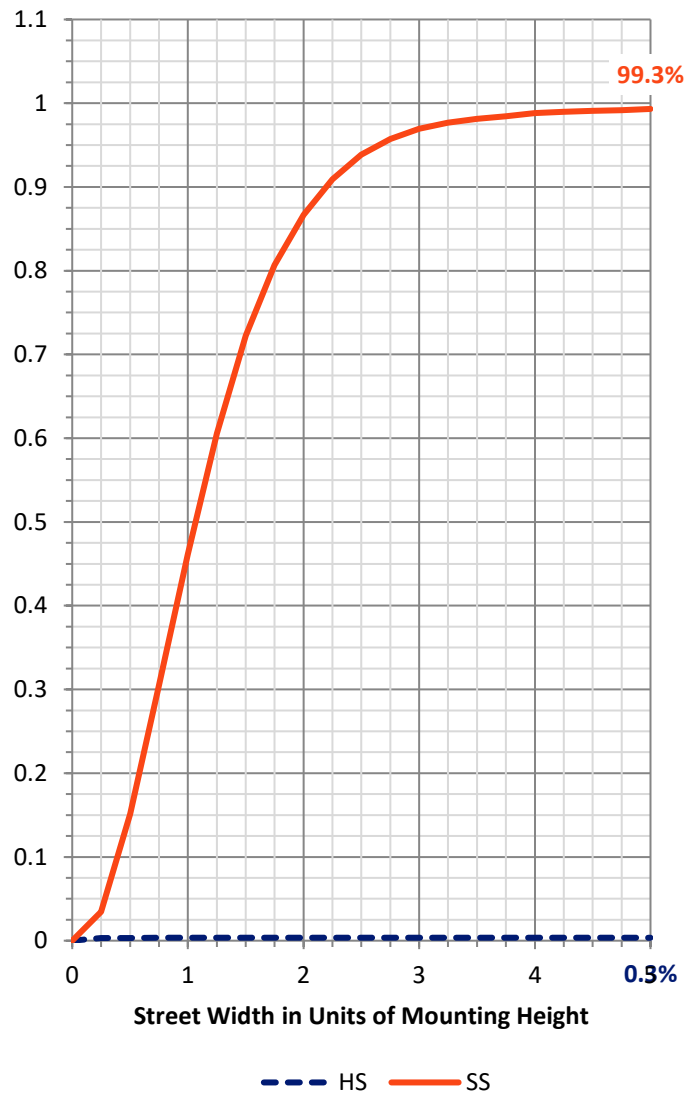
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10.1	0.0	10.1
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	2822.6	0.0	2822.6
	% Fixture	99.6	0.0	99.6
Total	Lumens	2832.7	0.0	2832.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.1
10°-20°	31.3	1.1
20°-30°	112.5	4.0
30°-40°	261.4	9.2
40°-50°	445.6	15.7
50°-60°	734.2	25.9
60°-70°	848.9	30.0
70°-80°	364.7	12.9
80°-90°	31.5	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°	2832.7	100.0
0°-180°	2832.7	100.0



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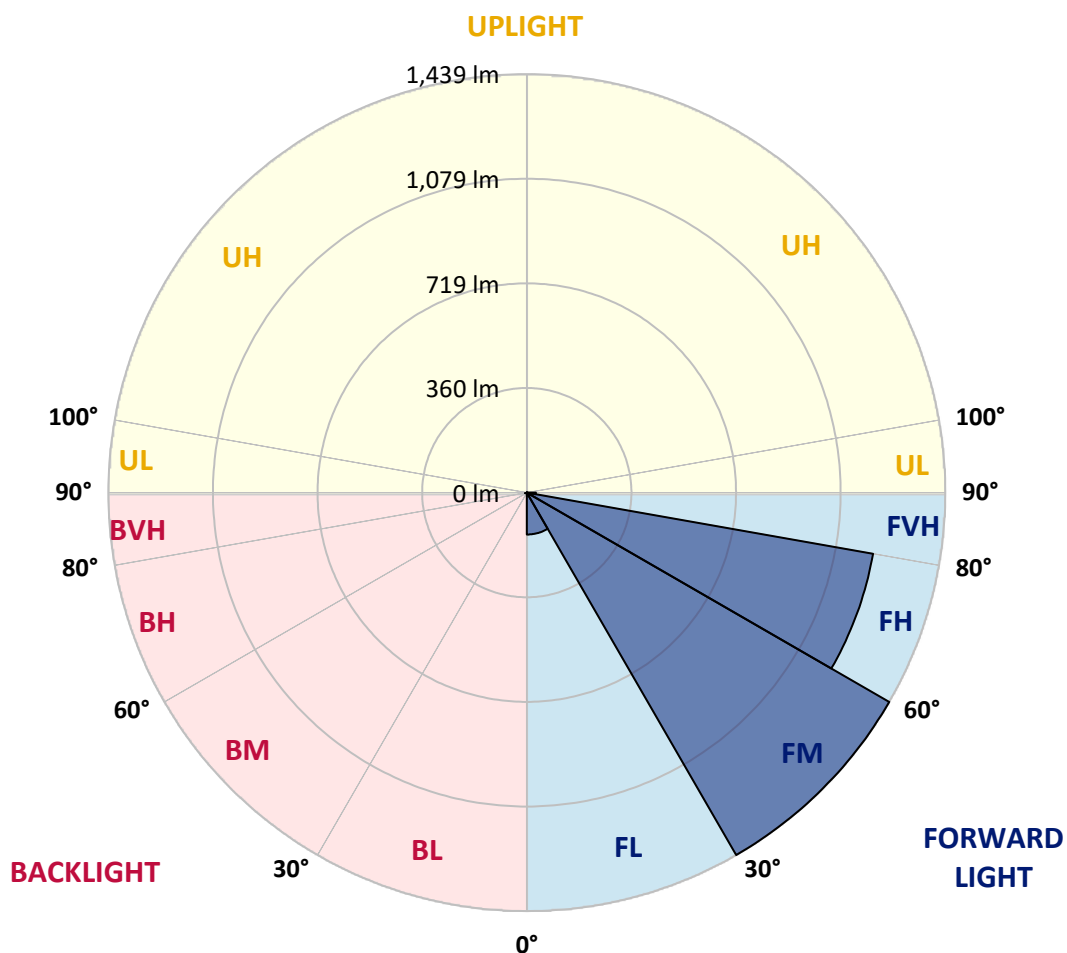
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.0	5.1			
FM	(30°-60°)	1438.7	50.8			
FH	(60°-80°)	1208.8	42.7			G1/1800
FVH	(80°-90°)	31.1	1.1			G1/100
BL	(0°-30°)	2.5	0.1	B0/110		
BM	(30°-60°)	2.4	0.1	B0/220		
BH	(60°-80°)	4.7	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
2.5°	23.2	23.2	22.7	21.9	21.7	21.1	21.1	20.6	19.8	19.2	18.5
5°	33.7	33.5	32.0	30.1	27.6	26.1	26.1	24.0	22.1	20.4	18.9
7.5°	73.7	72.0	66.5	57.3	45.3	37.3	36.8	29.9	25.3	21.9	19.0
10°	169.1	163.2	155.4	133.5	98.7	69.0	67.6	43.6	30.3	23.6	19.4
12.5°	277.1	281.9	266.3	231.8	191.0	142.1	132.6	73.5	40.0	25.9	19.8
15°	375.4	374.3	365.5	337.3	290.3	225.1	219.2	127.8	57.3	29.5	20.2
17.5°	448.9	447.6	439.2	421.1	384.9	319.8	314.7	203.8	89.9	34.7	20.6
20°	526.5	524.7	512.9	498.5	466.8	411.4	405.3	288.8	140.8	43.0	20.6
22.5°	619.4	616.2	603.6	579.0	545.7	497.5	492.0	375.6	203.8	56.8	21.5
25°	731.8	726.3	708.9	686.8	646.7	582.7	576.7	472.4	279.8	77.5	22.5
27.5°	860.0	860.9	837.5	800.2	746.3	680.9	669.9	559.0	358.5	107.2	23.6
30°	1012.2	1002.6	969.7	926.3	873.9	790.6	780.0	645.3	446.8	151.0	25.5
32.5°	1154.6	1144.4	1100.0	1045.3	989.1	901.3	892.5	742.3	527.2	202.9	29.0
35°	1276.9	1269.7	1207.6	1140.9	1091.0	1012.5	1009.9	850.5	621.7	258.7	32.8
37.5°	1384.5	1371.4	1291.6	1222.4	1171.8	1101.5	1095.8	949.5	712.7	323.4	38.5
40°	1476.3	1469.1	1371.8	1280.9	1239.8	1176.9	1169.7	1036.4	806.8	398.7	45.5
42.5°	1574.6	1565.1	1470.6	1368.7	1292.9	1225.7	1220.9	1108.0	890.6	481.3	56.0
45°	1685.7	1668.0	1585.1	1493.7	1378.4	1276.2	1270.8	1171.8	976.5	570.1	68.8
47.5°	1804.3	1788.9	1721.9	1657.7	1525.1	1359.4	1348.0	1226.1	1061.9	672.6	85.0
50°	1925.1	1925.5	1875.2	1844.3	1704.3	1494.6	1478.4	1305.9	1151.6	782.3	108.9
52.5°	2065.7	2069.3	2068.5	2045.7	1937.1	1715.8	1694.1	1427.0	1255.8	910.3	142.1
55°	2124.5	2131.0	2173.1	2223.8	2194.2	1996.1	1972.9	1636.0	1393.9	1052.9	191.2
57.5°	2076.3	2083.6	2141.7	2230.4	2298.2	2241.7	2239.0	1908.0	1575.8	1225.9	271.6
59°	2019.0	2018.0	2077.7	2171.8	2263.2	2299.9	2303.8	2091.9	1734.2	1347.2	340.9
60°	1980.9	1981.7	2021.3	2117.9	2215.0	2278.8	2293.7	2200.3	1826.8	1434.4	400.4
62.5°	1833.9	1842.6	1874.0	1963.8	2055.9	2127.2	2152.5	2296.9	2091.8	1640.5	607.0
65°	1674.1	1674.6	1719.4	1796.1	1884.5	1934.6	1950.6	2146.6	2268.7	1850.4	878.1
67.5°	1388.9	1400.5	1451.4	1575.8	1692.5	1756.0	1768.1	1868.5	2195.4	1987.2	1013.9
70°	972.0	987.2	1059.8	1221.1	1395.0	1499.2	1498.4	1553.3	1932.1	1926.2	859.6
72.5°	485.3	511.6	570.8	743.6	954.3	1117.9	1152.4	1249.5	1552.2	1600.0	641.3
75°	214.5	216.0	249.7	336.8	474.3	682.1	712.9	991.8	1190.8	1112.0	463.2
77.5°	124.8	125.9	132.0	151.2	192.2	334.3	368.9	650.5	841.5	646.3	302.1
80°	45.3	46.5	46.3	57.3	84.2	131.6	146.7	315.2	561.3	340.4	158.3
82.5°	27.8	27.8	26.9	27.0	30.7	50.5	55.2	134.3	273.3	167.6	45.3
85°	13.7	14.5	15.4	17.3	20.6	25.0	26.5	38.5	92.0	40.6	10.9
87.5°	8.2	8.4	9.1	11.0	13.7	17.9	19.0	26.1	33.0	27.2	2.7
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°	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
2.5°	18.1	17.9	17.0	16.2	15.4	14.7	14.1	13.5	13.5	13.7	13.5
5°	18.1	17.3	15.8	14.5	13.3	12.4	11.4	10.7	10.5	10.5	10.7
7.5°	17.9	17.0	14.9	13.1	11.6	10.3	9.3	8.4	8.2	8.4	8.2
10°	17.7	16.6	14.1	12.0	9.9	8.6	7.2	6.3	6.3	6.3	6.5
12.5°	17.7	16.0	13.3	10.9	8.6	7.0	5.7	4.8	4.6	4.6	4.6
15°	17.5	15.6	12.6	9.5	7.2	5.3	4.2	3.2	3.2	3.2	3.2
17.5°	17.1	15.0	11.6	8.4	5.7	4.0	2.9	1.9	1.9	2.3	2.3
20°	16.8	14.5	10.5	6.9	4.8	3.0	1.9	1.1	1.1	1.7	1.9
22.5°	17.0	14.5	9.7	6.1	3.8	2.3	1.5	1.0	0.8	1.3	1.7
25°	17.1	14.1	8.8	5.3	2.9	1.7	1.1	0.4	0.2	0.4	0.6
27.5°	17.1	13.7	7.6	4.2	2.1	1.3	0.6	0.0	0.0	0.0	0.0
30°	17.0	13.1	6.7	3.4	1.5	0.8	0.2	0.0	0.0	0.0	0.0
32.5°	16.8	12.6	6.1	2.7	1.3	0.4	0.0	0.0	0.0	0.0	0.0
35°	17.0	11.8	5.3	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.4
37.5°	17.5	11.0	4.6	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	18.3	10.5	3.8	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	19.8	10.5	3.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	21.7	10.5	2.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	24.2	10.7	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	27.2	11.0	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	29.5	10.7	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	33.5	10.3	1.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	38.9	9.7	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	44.2	9.0	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	50.3	8.6	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	83.0	7.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	160.4	7.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	259.2	7.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	272.6	7.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	181.3	5.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	97.1	5.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	52.4	5.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	23.0	3.6	1.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.1	2.5	1.1	1.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0
85°	4.4	1.9	1.5	1.3	1.0	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.9	1.7	1.5	1.3	1.0	0.2	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

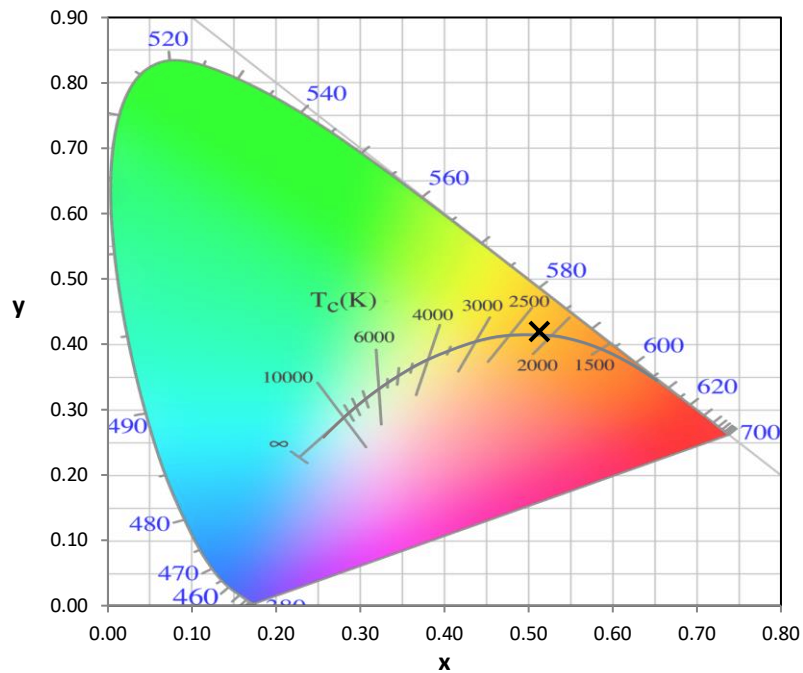
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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 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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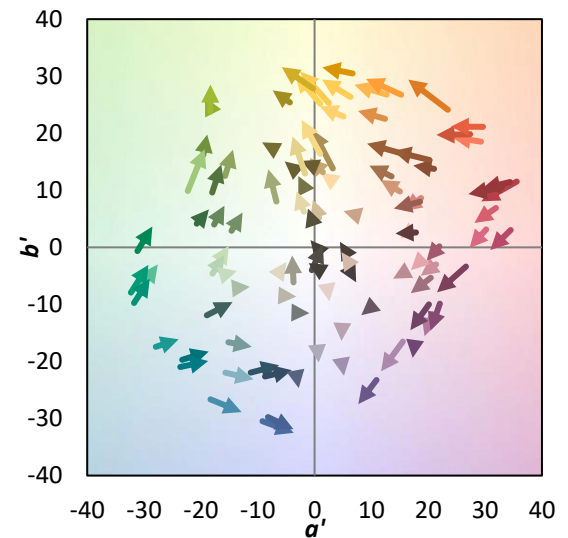
TM-30-18

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)