

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: P1067438

Luminaire Tested: **NAV-SA1B-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067438
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3863.7 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 37.9
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

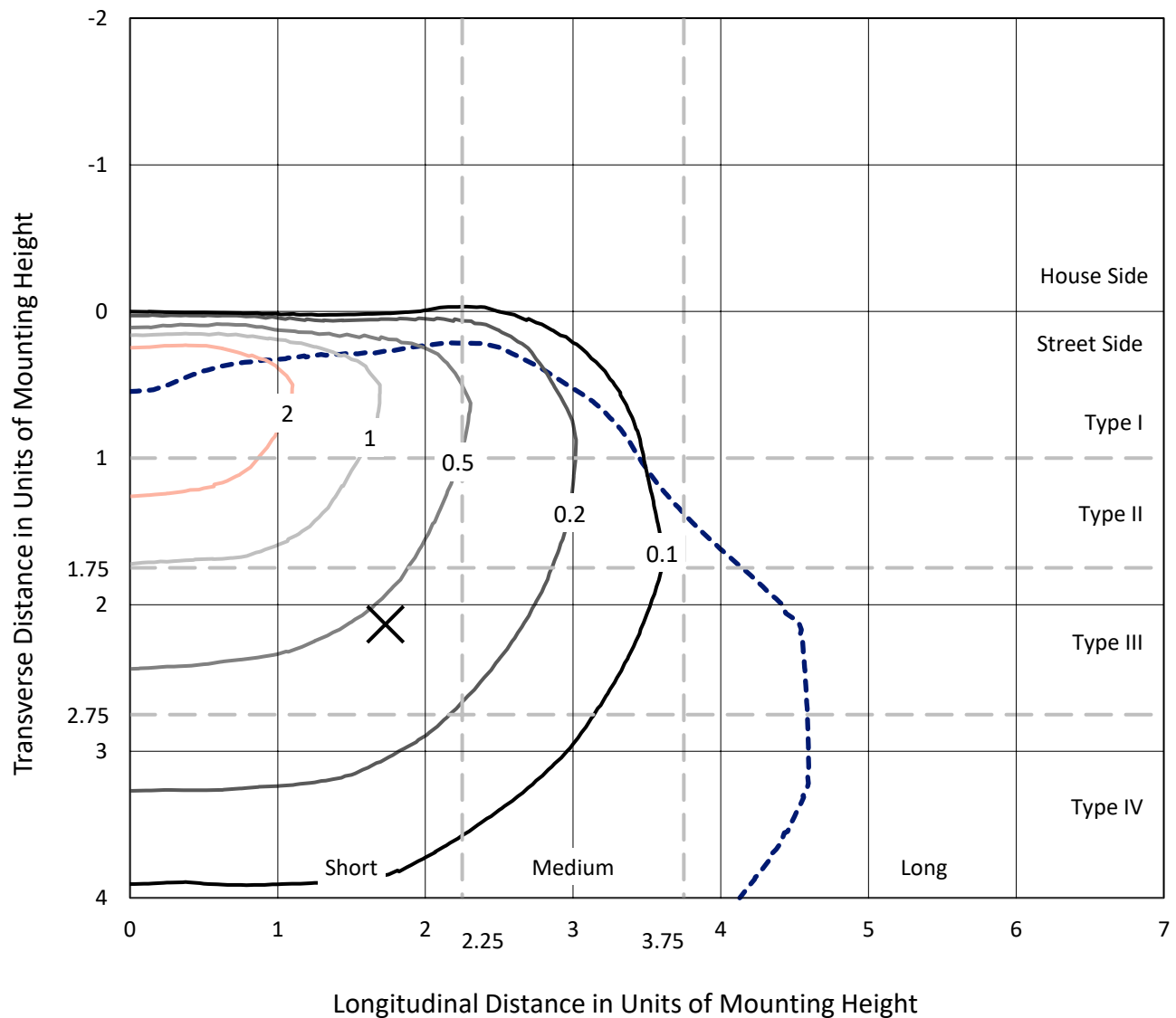


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

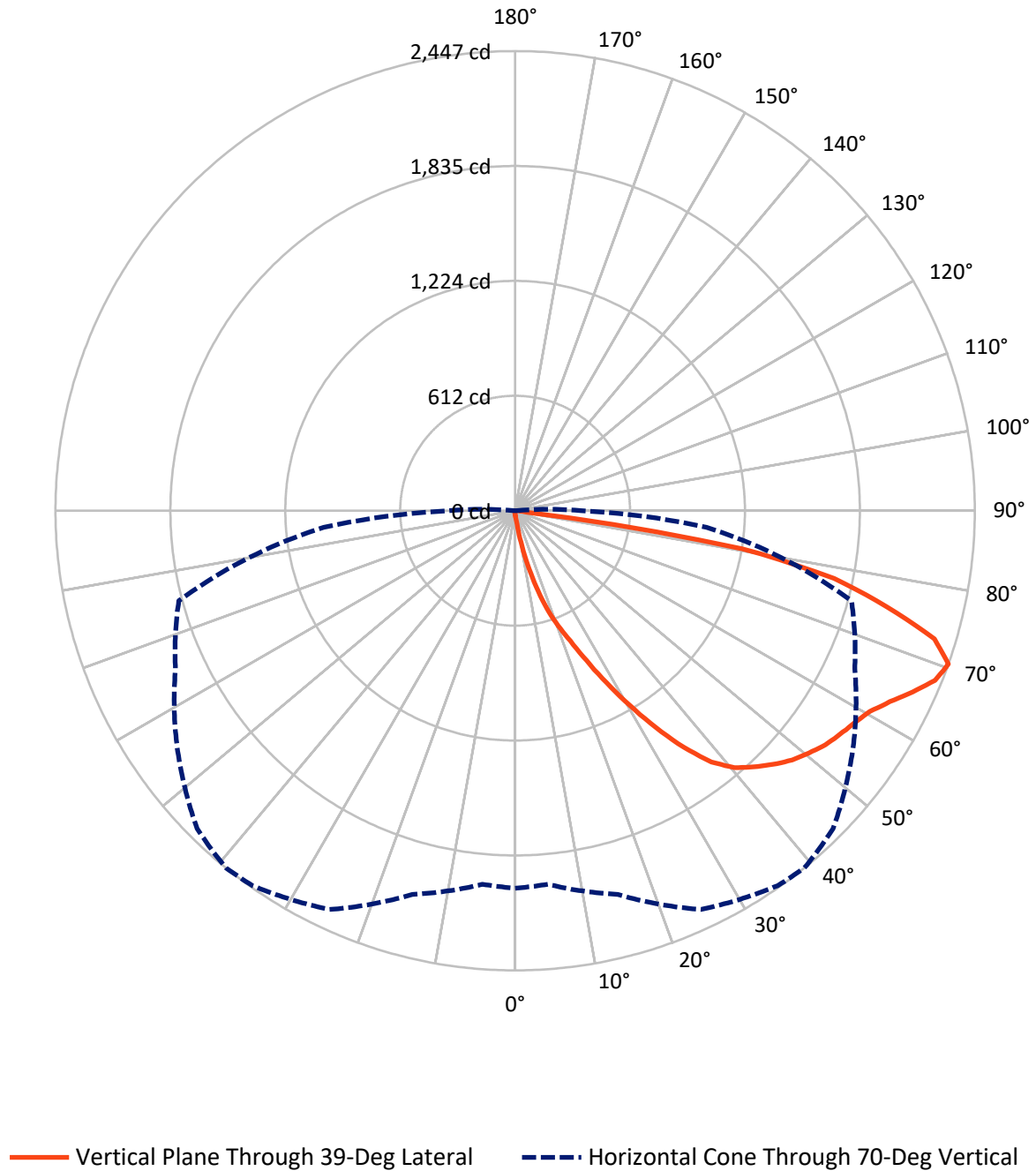


Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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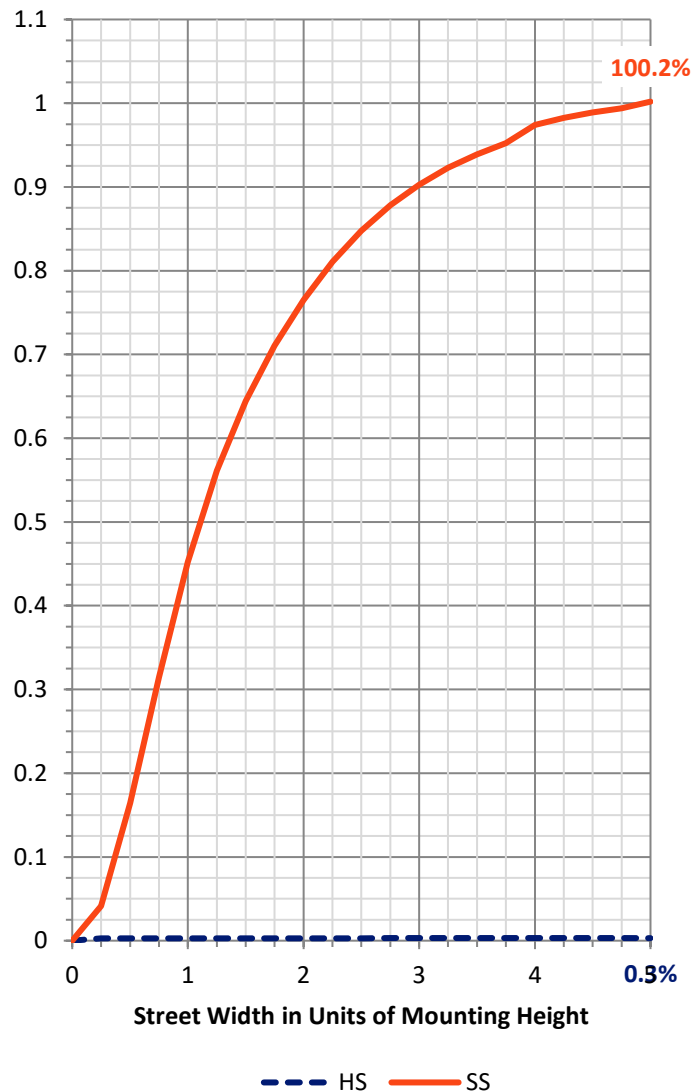
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11.9	0.0	11.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	3851.8	0.0	3851.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	3863.7	0.0	3863.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	47.5	1.2
20°-30°	161.2	4.2
30°-40°	378.8	9.8
40°-50°	615.1	15.9
50°-60°	779.5	20.2
60°-70°	990.2	25.6
70°-80°	804.5	20.8
80°-90°	82.8	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°	3863.7	100.0
0°-180°	3863.7	100.0



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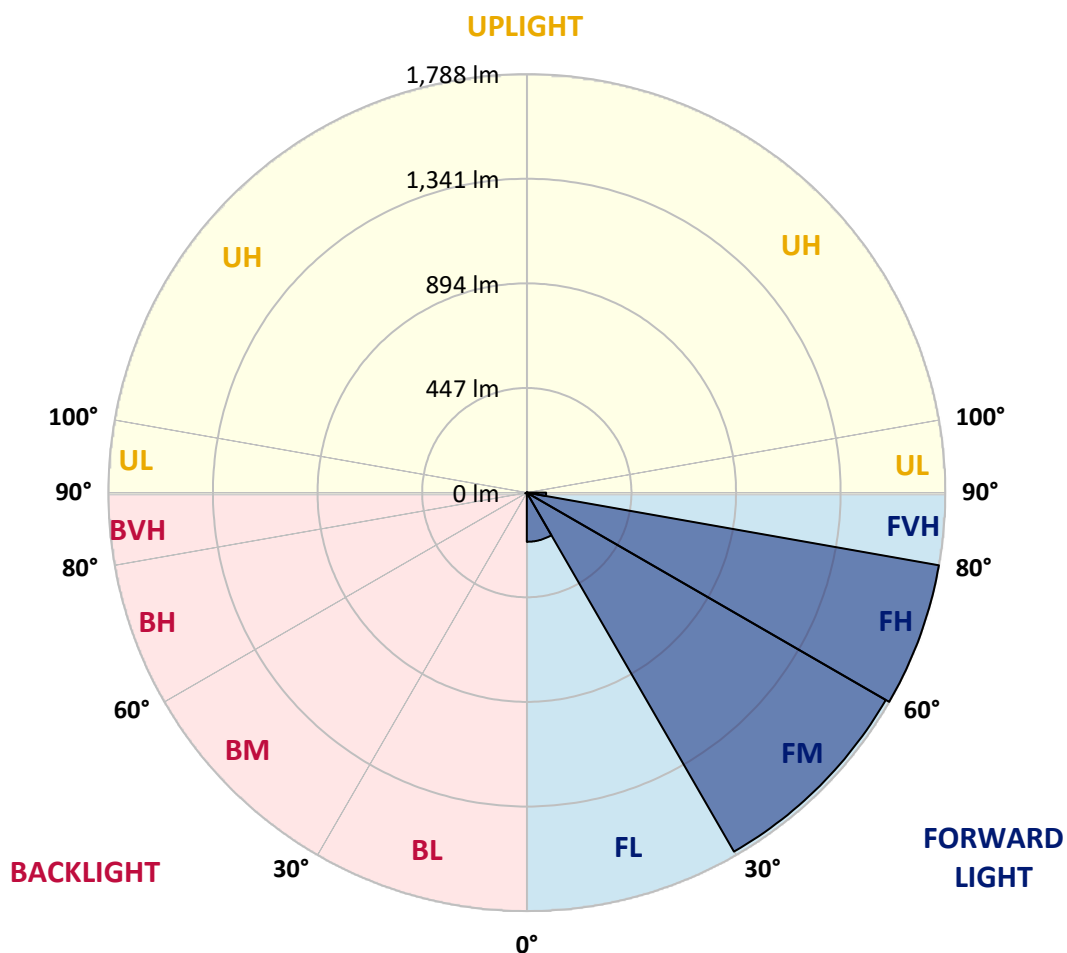
CATALOG NUMBER: NAV-SA1B-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.2	5.4			
FM	(30°-60°)	1771.2	45.8			
FH	(60°-80°)	1788.1	46.3			G1/1800
FVH	(80°-90°)	82.3	2.1			G1/100
BL	(0°-30°)	2.6	0.1	B0/110		
BM	(30°-60°)	2.3	0.1	B0/220		
BH	(60°-80°)	6.5	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
2.5°	27.3	27.3	27.3	26.2	26.2	25.2	25.2	24.1	23.1	23.1	22.0
5°	51.4	52.4	49.3	43.0	38.8	36.7	34.6	29.4	26.2	24.1	22.0
7.5°	140.6	136.4	130.1	109.1	83.9	71.3	60.8	43.0	31.5	25.2	22.0
10°	295.8	284.3	266.4	238.1	188.8	168.9	131.1	78.7	44.1	28.3	22.0
12.5°	434.3	436.4	414.3	387.1	327.3	293.7	242.3	147.9	69.2	33.6	22.0
15°	539.2	537.1	528.7	506.7	453.2	420.6	374.5	248.6	116.4	42.0	23.1
17.5°	622.0	613.7	610.5	601.1	566.5	548.6	498.3	366.1	184.6	56.6	24.1
20°	704.9	702.8	699.7	689.2	666.1	653.5	614.7	484.6	274.8	80.8	26.2
22.5°	825.6	814.0	816.1	793.0	774.2	752.1	720.7	610.5	378.7	115.4	29.4
25°	967.2	966.1	949.3	938.8	907.4	883.2	841.3	732.2	494.1	166.8	32.5
27.5°	1134.0	1122.4	1115.1	1097.2	1064.7	1037.4	979.8	852.8	618.9	224.5	36.7
30°	1308.1	1308.1	1294.4	1267.2	1235.7	1202.1	1143.4	979.8	742.7	297.9	42.0
32.5°	1511.6	1515.8	1482.2	1441.3	1400.4	1377.3	1300.7	1123.5	861.2	381.8	48.3
35°	1708.8	1703.6	1648.0	1602.8	1572.4	1547.3	1482.2	1280.8	995.5	479.4	56.6
37.5°	1897.6	1884.0	1791.7	1727.7	1714.0	1697.3	1632.2	1438.2	1128.7	587.4	67.1
40°	2032.9	2012.0	1916.5	1828.4	1808.4	1799.0	1748.7	1580.8	1269.3	708.1	80.8
42.5°	2091.7	2067.5	2001.5	1930.1	1886.1	1864.0	1820.0	1697.3	1409.8	842.3	100.7
45°	2103.2	2084.3	2037.1	2020.3	1960.6	1927.0	1867.2	1780.1	1541.0	975.6	128.0
47.5°	2061.3	2052.9	2024.5	2060.2	2029.8	1983.6	1911.2	1842.0	1657.4	1137.1	165.7
50°	1958.5	1952.2	1965.8	2059.2	2080.1	2027.7	1959.5	1890.3	1758.1	1303.9	219.2
52.5°	1820.0	1818.9	1882.9	2031.9	2102.2	2069.6	2006.7	1938.5	1837.8	1465.4	294.8
55°	1668.9	1686.8	1799.0	2006.7	2114.8	2100.1	2052.9	1981.5	1909.2	1615.4	416.4
57.5°	1656.3	1649.0	1757.0	1996.2	2122.1	2130.5	2099.0	2026.6	1970.0	1738.2	579.0
60°	1782.2	1765.4	1806.4	2018.2	2154.6	2169.3	2145.2	2061.3	2030.8	1834.7	793.0
62.5°	1928.0	1912.3	1933.3	2103.2	2218.6	2239.6	2209.2	2096.9	2080.1	1901.8	1022.8
65°	2044.5	2031.9	2071.7	2230.1	2307.8	2325.6	2304.6	2163.0	2102.2	1956.4	1209.5
67.5°	2063.4	2047.6	2130.5	2315.1	2398.0	2410.6	2393.8	2227.0	2094.8	1960.6	1252.5
70°	2009.9	1996.2	2114.8	2342.4	2436.8	2447.3	2393.8	2196.6	1995.2	1853.6	1023.8
72.5°	1845.2	1855.7	2008.8	2276.3	2383.3	2335.0	2221.7	2043.4	1866.1	1571.4	718.6
75°	1589.2	1600.8	1804.3	2094.8	2103.2	2044.5	1983.6	1879.8	1670.0	1035.3	498.3
77.5°	1129.8	1088.8	1393.1	1729.8	1699.4	1737.1	1742.4	1564.0	1398.3	539.2	333.6
80°	111.2	94.4	175.2	496.2	1096.2	1225.2	1275.6	1205.3	1031.2	241.3	175.2
82.5°	24.1	24.1	26.2	28.3	44.1	66.1	303.2	742.7	666.1	122.7	56.6
85°	13.6	13.6	16.8	19.9	26.2	29.4	34.6	46.2	179.4	44.1	10.5
87.5°	10.5	11.5	13.6	16.8	22.0	24.1	29.4	36.7	45.1	40.9	3.1
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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CATALOG NUMBER: NAV-SA1B-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
2.5°	22.0	21.0	19.9	18.9	17.8	17.8	16.8	16.8	16.8	16.8	16.8
5°	21.0	19.9	18.9	16.8	15.7	14.7	13.6	13.6	13.6	13.6	13.6
7.5°	21.0	19.9	17.8	15.7	13.6	12.6	11.5	10.5	10.5	11.5	11.5
10°	21.0	18.9	15.7	13.6	11.5	10.5	9.4	8.4	8.4	8.4	8.4
12.5°	19.9	17.8	14.7	12.6	10.5	8.4	6.3	5.2	5.2	5.2	5.2
15°	18.9	16.8	13.6	10.5	7.3	5.2	4.2	3.1	3.1	3.1	3.1
17.5°	18.9	15.7	12.6	9.4	5.2	3.1	2.1	1.0	1.0	1.0	2.1
20°	18.9	15.7	11.5	7.3	3.1	2.1	2.1	1.0	0.0	1.0	1.0
22.5°	18.9	14.7	9.4	5.2	3.1	2.1	1.0	0.0	0.0	0.0	0.0
25°	19.9	14.7	8.4	4.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
27.5°	19.9	13.6	7.3	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	21.0	13.6	6.3	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	21.0	12.6	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	21.0	11.5	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	21.0	10.5	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	22.0	9.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	23.1	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	24.1	7.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	27.3	7.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	31.5	7.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	37.8	7.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	49.3	6.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	71.3	6.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	119.6	6.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	209.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	354.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	462.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	351.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	167.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	74.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	32.5	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.6	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	2.1	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	3.1	2.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	2.1	2.1	2.1	1.0	1.0	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: SP1-2407-184-3

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-727-U-5WQ

Data in this report applies to families of products including GSS-SB1A-727-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-3
 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-727-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2700K CCT 26 LEDS

Spectral Parameters

CCT (K):	2672	CRI (Ra):	71.1		
CIE u':	0.2638	R1:	68.3	R9:	-27.8
CIE v':	0.5276	R2:	79.8	R10:	54.4
Duv:	-0.0002	R3:	91.2	R11:	65.8
CIE x:	0.4619	R4:	69.4	R12:	45.6
CIE y:	0.4106	R5:	66.5	R13:	69.8
CIE z:	0.1275	R6:	72.6	R14:	94.5
Peak Wavelength (nm):	601	R7:	77.0	R15:	60.1
Dominant Wavelength (nm):	584	R8:	44.1		
Purity:	61.88407				
Rf:	67.9				
Rg:	98.6				



Test Conditions

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

REPORT NUMBER: SP1-2407-184-3

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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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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.02

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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	52	NR	620	888	NR	750	27	NR	880	1	NR
365	0	NR	495	87	NR	625	834	NR	755	23	NR	885	1	NR
370	0	NR	500	135	NR	630	776	NR	760	20	NR	890	1	NR
375	0	NR	505	196	NR	635	712	NR	765	17	NR	895	0	NR
380	0	NR	510	258	NR	640	648	NR	770	15	NR	900	0	NR
385	1	NR	515	317	NR	645	583	NR	775	12	NR	905	0	NR
390	2	NR	520	368	NR	650	523	NR	780	11	NR	910	0	NR
395	4	NR	525	408	NR	655	465	NR	785	9	NR	915	0	NR
400	6	NR	530	443	NR	660	410	NR	790	8	NR	920	0	NR
405	11	NR	535	473	NR	665	360	NR	795	7	NR	925	0	NR
410	23	NR	540	498	NR	670	313	NR	800	6	NR	930	0	NR
415	51	NR	545	530	NR	675	272	NR	805	5	NR	935	0	NR
420	111	NR	550	563	NR	680	236	NR	810	4	NR	940	0	NR
425	214	NR	555	605	NR	685	203	NR	815	4	NR	945	0	NR
430	339	NR	560	651	NR	690	175	NR	820	3	NR	950	0	NR
435	467	NR	565	705	NR	695	150	NR	825	3	NR	955	0	NR
440	535	NR	570	765	NR	700	128	NR	830	3	NR	960	0	NR
445	372	NR	575	824	NR	705	110	NR	835	2	NR	965	0	NR
450	160	NR	580	882	NR	710	94	NR	840	2	NR	970	0	NR
455	89	NR	585	930	NR	715	80	NR	845	2	NR	975	0	NR
460	53	NR	590	968	NR	720	69	NR	850	1	NR	980	0	NR
465	31	NR	595	991	NR	725	59	NR	855	1	NR	985	0	NR
470	23	NR	600	999	NR	730	50	NR	860	1	NR	990	0	NR
475	21	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	23	NR	610	969	NR	740	36	NR	870	1	NR	1000	0	NR
485	32	NR	615	935	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 67.9$
 $R_g = 98.6$
 $CIE R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



Color Vector Graphics



Individual Sample Fidelity Index (R_{fi})

CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 92
CES08 = 41	CES33 = 45	CES58 = 59	CES83 = 82
CES09 = 29	CES34 = 67	CES59 = 85	CES84 = 92
CES10 = 77	CES35 = 84	CES60 = 86	CES85 = 87
CES11 = 60	CES36 = 68	CES61 = 86	CES86 = 60
CES12 = 66	CES37 = 77	CES62 = 59	CES87 = 79
CES13 = 44	CES38 = 40	CES63 = 66	CES88 = 70
CES14 = 74	CES39 = 88	CES64 = 69	CES89 = 66
CES15 = 72	CES40 = 82	CES65 = 64	CES90 = 64
CES16 = 48	CES41 = 70	CES66 = 65	CES91 = 81
CES17 = 51	CES42 = 76	CES67 = 64	CES92 = 69
CES18 = 57	CES43 = 63	CES68 = 73	CES93 = 81
CES19 = 73	CES44 = 97	CES69 = 83	CES94 = 53
CES20 = 67	CES45 = 74	CES70 = 64	CES95 = 77
CES21 = 88	CES46 = 67	CES71 = 60	CES96 = 79
CES22 = 80	CES47 = 55	CES72 = 87	CES97 = 78
CES23 = 92	CES48 = 42	CES73 = 57	CES98 = 69
CES24 = 92	CES49 = 65	CES74 = 84	CES99 = 60
CES25 = 73	CES50 = 74	CES75 = 60	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)