

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: P1067441

Luminaire Tested: **NAV-SA2A-727-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067441
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA2A-727-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 2xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (28) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6012.2 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 55.3
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

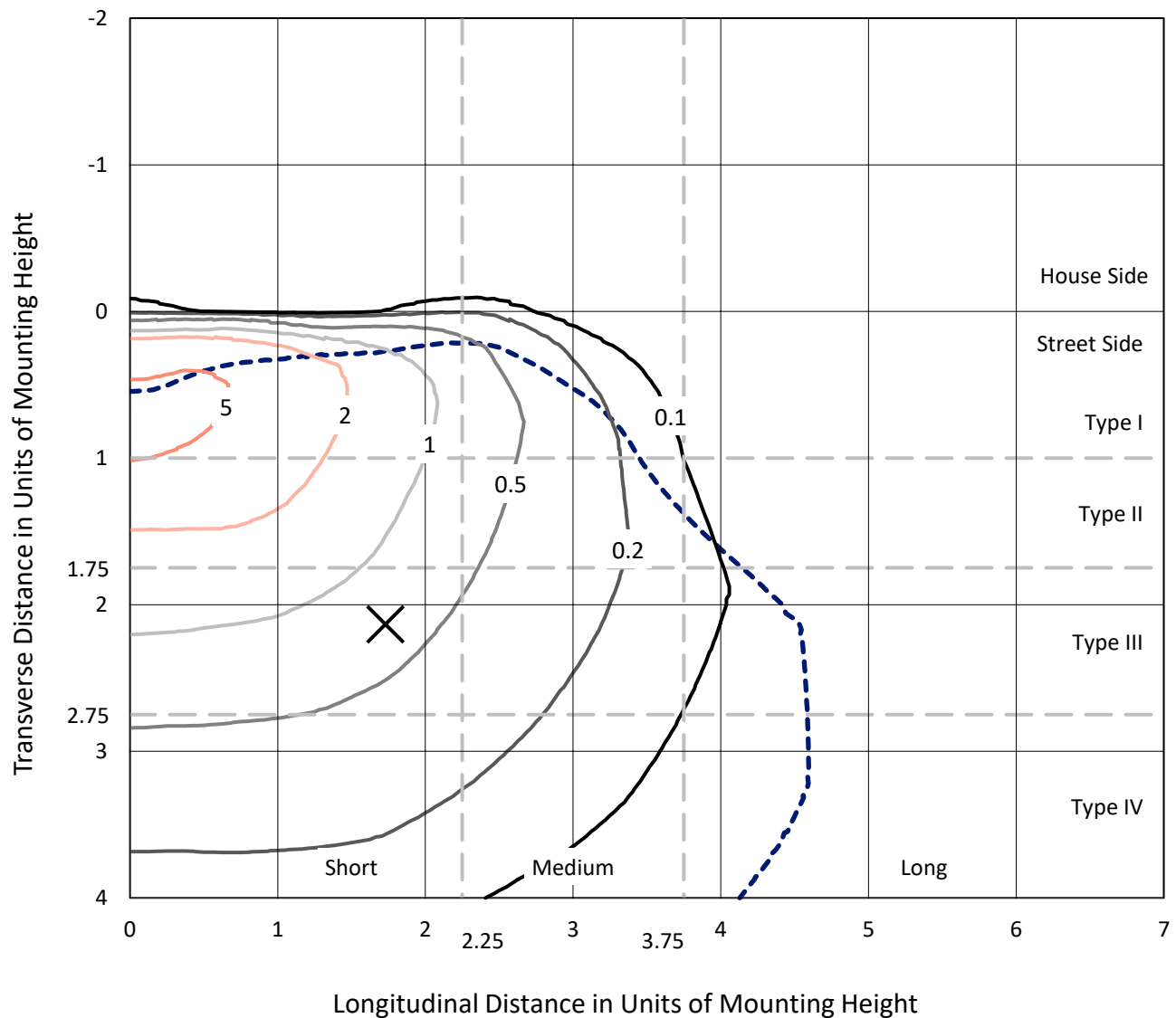


REPORT NUMBER: P1067441

CATALOG NUMBER: NAV-SA2A-727-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

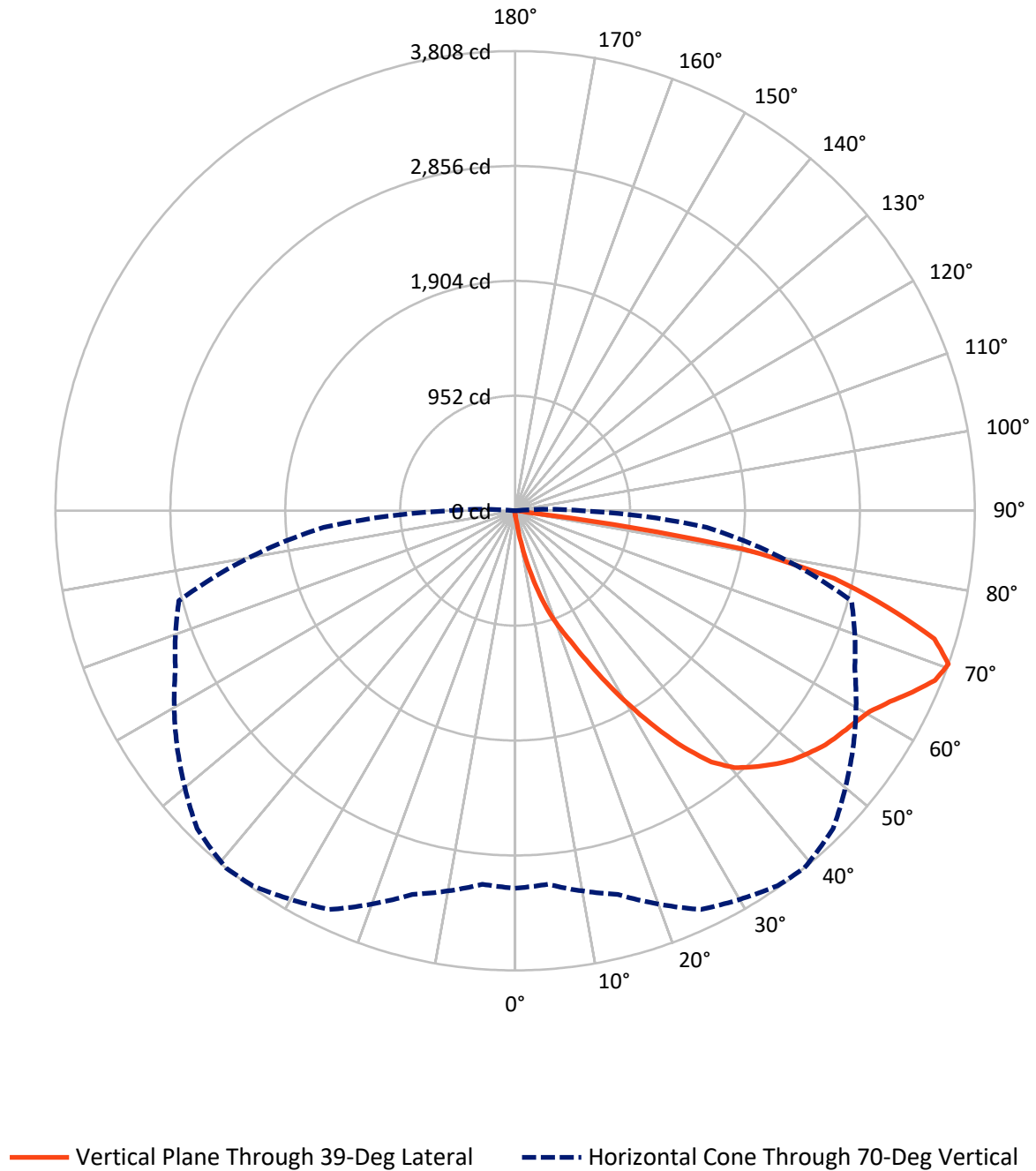


Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P1067441

CATALOG NUMBER: NAV-SA2A-727-U-T4BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067441

CATALOG NUMBER: NAV-SA2A-727-U-T4BC

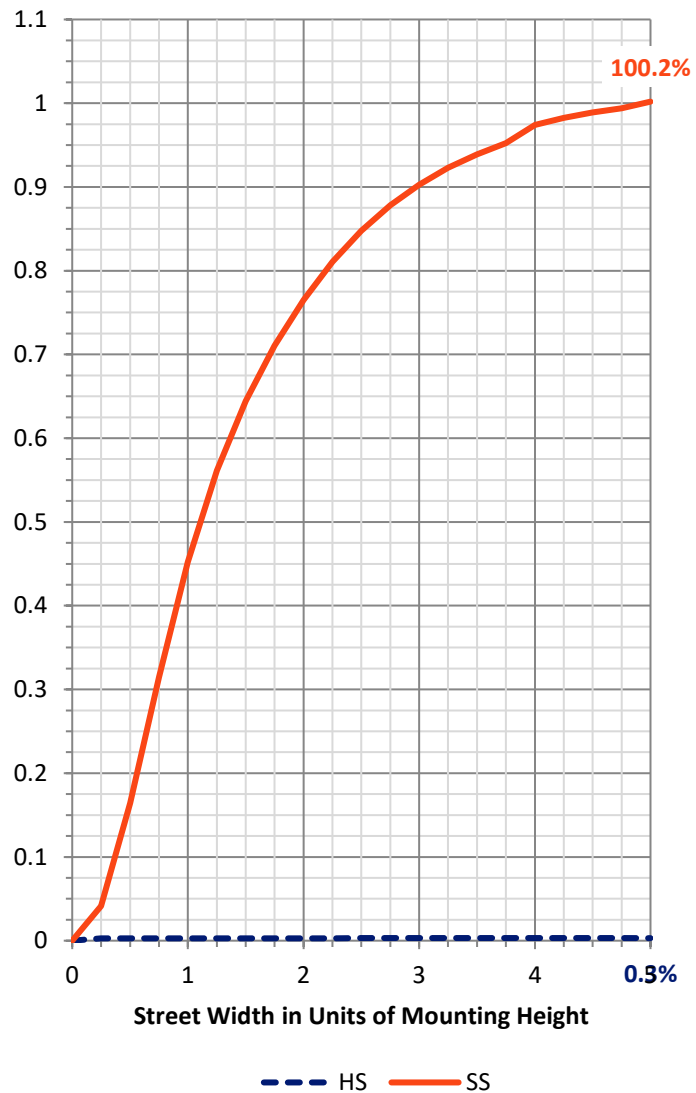
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18.5	0.0	18.5
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	5993.7	0.0	5993.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	6012.2	0.0	6012.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	73.9	1.2
20°-30°	250.8	4.2
30°-40°	589.5	9.8
40°-50°	957.2	15.9
50°-60°	1212.9	20.2
60°-70°	1540.8	25.6
70°-80°	1251.9	20.8
80°-90°	128.9	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°	6012.2	100.0
0°-180°	6012.2	100.0



REPORT NUMBER: P1067441

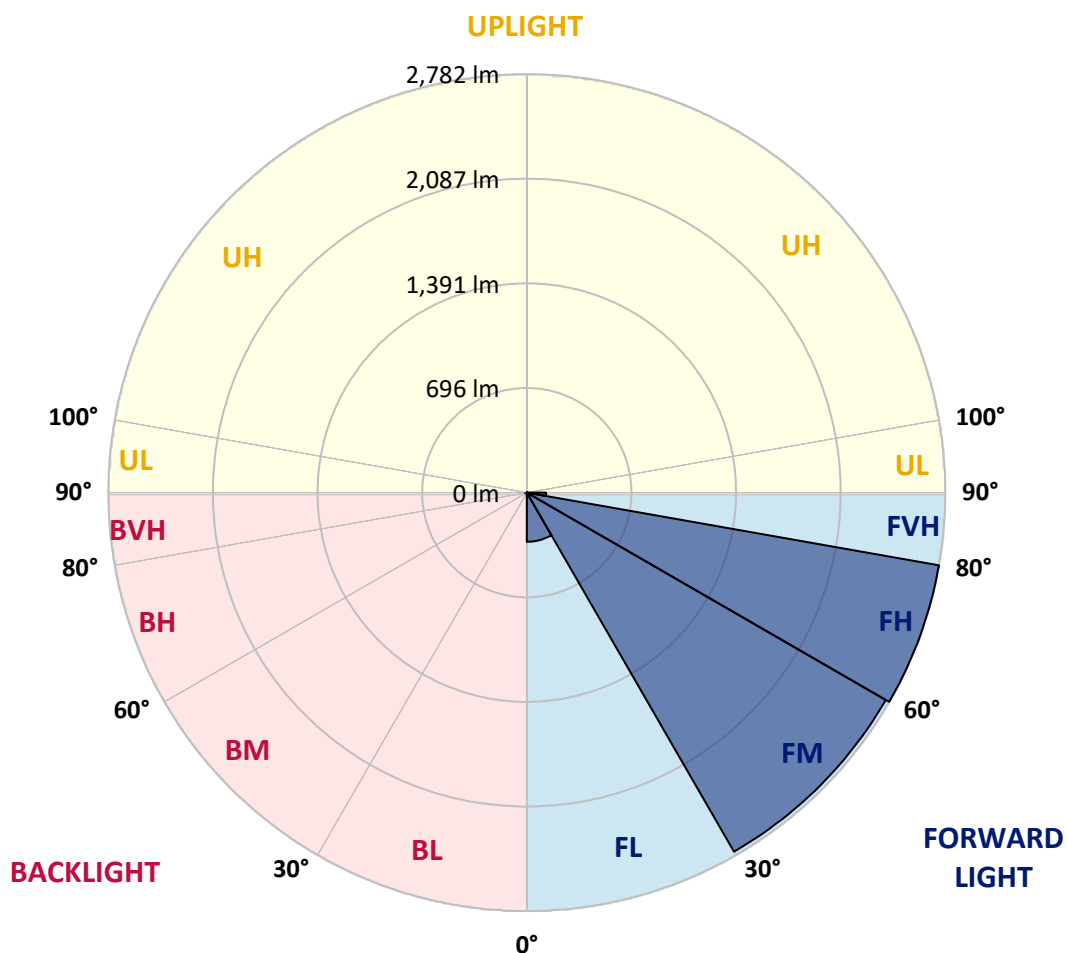
CATALOG NUMBER: NAV-SA2A-727-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.0	5.4			
FM	(30°-60°)	2756.0	45.8			
FH	(60°-80°)	2782.4	46.3			G2/5000
FVH	(80°-90°)	128.1	2.1			G2/225
BL	(0°-30°)	4.0	0.1	B0/110		
BM	(30°-60°)	3.6	0.1	B0/220		
BH	(60°-80°)	10.2	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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





REPORT NUMBER: P1067441

CATALOG NUMBER: NAV-SA2A-727-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	42.4	42.4	42.4	40.8	40.8	39.2	39.2	37.5	35.9	35.9	34.3
5°	80.0	81.6	76.7	66.9	60.4	57.1	53.9	45.7	40.8	37.5	34.3
7.5°	218.7	212.2	202.4	169.8	130.6	111.0	94.7	66.9	49.0	39.2	34.3
10°	460.3	442.3	414.6	370.5	293.8	262.8	204.0	122.4	68.6	44.1	34.3
12.5°	675.8	679.0	644.8	602.3	509.3	457.0	377.1	230.2	107.7	52.2	34.3
15°	839.0	835.7	822.7	788.4	705.1	654.5	582.7	386.9	181.2	65.3	35.9
17.5°	967.9	954.9	950.0	935.3	881.4	853.7	775.3	569.7	287.3	88.1	37.5
20°	1096.9	1093.6	1088.7	1072.4	1036.5	1016.9	956.5	754.1	427.7	125.7	40.8
22.5°	1284.6	1266.7	1269.9	1234.0	1204.6	1170.3	1121.4	950.0	589.3	179.6	45.7
25°	1505.0	1503.3	1477.2	1460.9	1411.9	1374.4	1309.1	1139.3	768.8	259.5	50.6
27.5°	1764.5	1746.5	1735.1	1707.4	1656.8	1614.3	1524.6	1327.0	963.0	349.3	57.1
30°	2035.5	2035.5	2014.2	1971.8	1922.8	1870.6	1779.2	1524.6	1155.7	463.6	65.3
32.5°	2352.1	2358.7	2306.4	2242.8	2179.1	2143.2	2024.0	1748.2	1340.1	594.2	75.1
35°	2659.0	2650.8	2564.3	2494.1	2446.8	2407.6	2306.4	1993.0	1549.0	746.0	88.1
37.5°	2952.8	2931.6	2787.9	2688.4	2667.2	2641.0	2539.8	2237.9	1756.3	914.1	104.5
40°	3163.4	3130.7	2982.2	2845.1	2814.1	2799.4	2721.0	2459.9	1975.1	1101.8	125.7
42.5°	3254.8	3217.2	3114.4	3003.4	2934.8	2900.6	2832.0	2641.0	2193.8	1310.7	156.7
45°	3272.7	3243.3	3169.9	3143.8	3050.7	2998.5	2905.5	2770.0	2397.8	1518.0	199.1
47.5°	3207.4	3194.4	3150.3	3205.8	3158.5	3086.6	2974.0	2866.3	2579.0	1769.4	257.9
50°	3047.5	3037.7	3058.9	3204.2	3236.8	3155.2	3049.1	2941.4	2735.7	2028.9	341.1
52.5°	2832.0	2830.4	2930.0	3161.7	3271.1	3220.5	3122.6	3016.5	2859.8	2280.3	458.7
55°	2597.0	2624.7	2799.4	3122.6	3290.7	3267.8	3194.4	3083.4	2970.8	2513.7	648.0
57.5°	2577.4	2566.0	2734.1	3106.2	3302.1	3315.2	3266.2	3153.6	3065.4	2704.7	901.0
60°	2773.3	2747.1	2810.8	3140.5	3352.7	3375.6	3338.0	3207.4	3160.1	2854.9	1234.0
62.5°	3000.1	2975.7	3008.3	3272.7	3452.3	3484.9	3437.6	3262.9	3236.8	2959.3	1591.5
65°	3181.3	3161.7	3223.8	3470.2	3591.0	3618.8	3586.1	3365.8	3271.1	3044.2	1882.0
67.5°	3210.7	3186.2	3315.2	3602.5	3731.4	3751.0	3724.9	3465.3	3259.7	3050.7	1948.9
70°	3127.5	3106.2	3290.7	3644.9	3791.8	3808.1	3724.9	3418.0	3104.6	2884.2	1593.1
72.5°	2871.2	2887.5	3125.8	3542.1	3708.5	3633.5	3457.2	3179.7	2903.8	2445.2	1118.1
75°	2472.9	2490.9	2807.5	3259.7	3272.7	3181.3	3086.6	2925.1	2598.6	1611.1	775.3
77.5°	1758.0	1694.3	2167.7	2691.6	2644.3	2703.1	2711.2	2433.7	2175.8	839.0	519.1
80°	173.0	146.9	272.6	772.1	1705.7	1906.5	1984.9	1875.5	1604.5	375.4	272.6
82.5°	37.5	37.5	40.8	44.1	68.6	102.8	471.7	1155.7	1036.5	191.0	88.1
85°	21.2	21.2	26.1	31.0	40.8	45.7	53.9	71.8	279.1	68.6	16.3
87.5°	16.3	18.0	21.2	26.1	34.3	37.5	45.7	57.1	70.2	63.7	4.9
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: P1067441

CATALOG NUMBER: NAV-SA2A-727-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
2.5°	34.3	32.6	31.0	29.4	27.7	27.7	26.1	26.1	26.1	26.1	26.1
5°	32.6	31.0	29.4	26.1	24.5	22.9	21.2	21.2	21.2	21.2	21.2
7.5°	32.6	31.0	27.7	24.5	21.2	19.6	18.0	16.3	16.3	18.0	18.0
10°	32.6	29.4	24.5	21.2	18.0	16.3	14.7	13.1	13.1	13.1	13.1
12.5°	31.0	27.7	22.9	19.6	16.3	13.1	9.8	8.2	8.2	8.2	8.2
15°	29.4	26.1	21.2	16.3	11.4	8.2	6.5	4.9	4.9	4.9	4.9
17.5°	29.4	24.5	19.6	14.7	8.2	4.9	3.3	1.6	1.6	1.6	3.3
20°	29.4	24.5	18.0	11.4	4.9	3.3	3.3	1.6	0.0	1.6	1.6
22.5°	29.4	22.9	14.7	8.2	4.9	3.3	1.6	0.0	0.0	0.0	0.0
25°	31.0	22.9	13.1	6.5	3.3	1.6	0.0	0.0	0.0	0.0	0.0
27.5°	31.0	21.2	11.4	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	32.6	21.2	9.8	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	32.6	19.6	6.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	32.6	18.0	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	32.6	16.3	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	34.3	14.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	35.9	13.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	37.5	11.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	42.4	11.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	49.0	11.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	58.8	11.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	76.7	9.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	111.0	9.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	186.1	9.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	326.5	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	551.7	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	719.8	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	546.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	261.2	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	115.9	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	50.6	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	19.6	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	8.2	3.3	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
85°	4.9	3.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	3.3	1.6	1.6	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

REPORT NUMBER: SP1-2407-184-3

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	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			

REPORT NUMBER: SP1-2407-184-3

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			

REPORT NUMBER: SP1-2407-184-3

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.71

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			

REPORT NUMBER: SP1-2407-184-3

TM-30-18

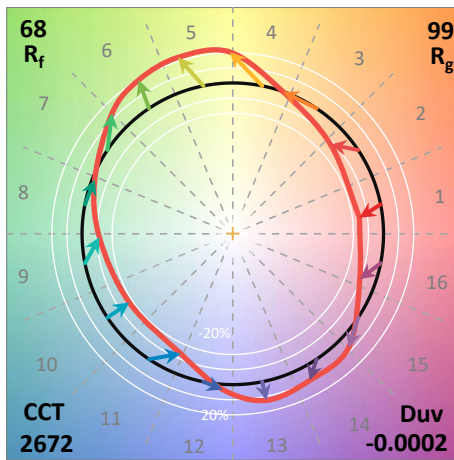
Summary

$R_f = 67.9$
 $R_g = 98.6$
 $\text{CIE } R_a = 71.1$
 $R_g = -27.8$

Spectral Power Distribution Comparison



Color Vector Graphics

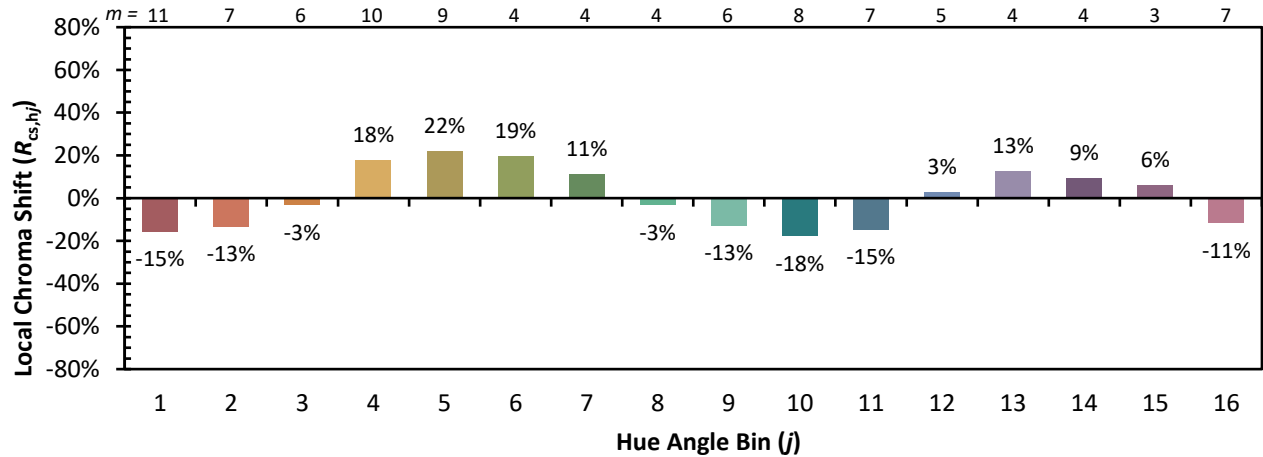


Individual Sample Fidelity Index ($R_{f,i}$)

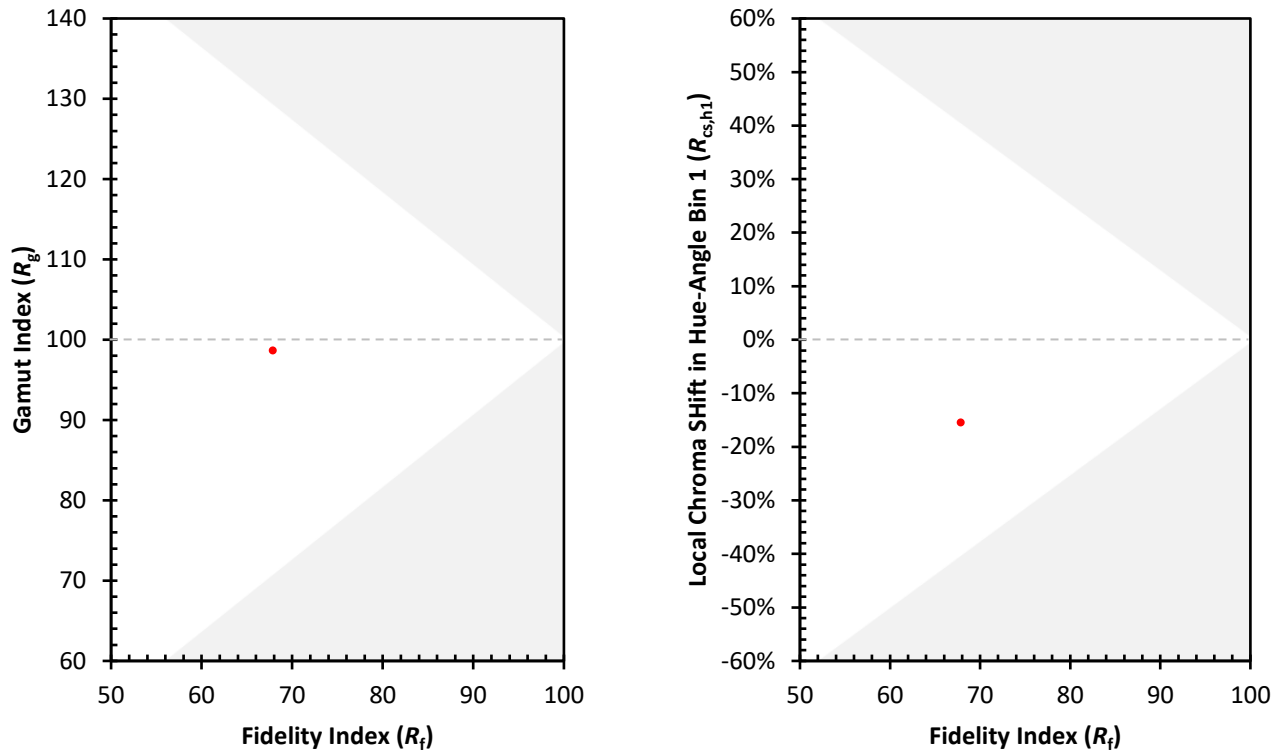
CES01 = 86	CES26 = 53	CES51 = 75	CES76 = 51
CES02 = 63	CES27 = 70	CES52 = 80	CES77 = 79
CES03 = 31	CES28 = 81	CES53 = 64	CES78 = 58
CES04 = 71	CES29 = 37	CES54 = 73	CES79 = 82
CES05 = 50	CES30 = 33	CES55 = 69	CES80 = 82
CES06 = 52	CES31 = 44	CES56 = 60	CES81 = 69
CES07 = 42	CES32 = 47	CES57 = 54	CES82 = 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)