

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: P1066959

Luminaire Tested: **NAV-SA1C-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066959
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5015.2 lumens
Efficiency: N/A
Efficacy: 100.1 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

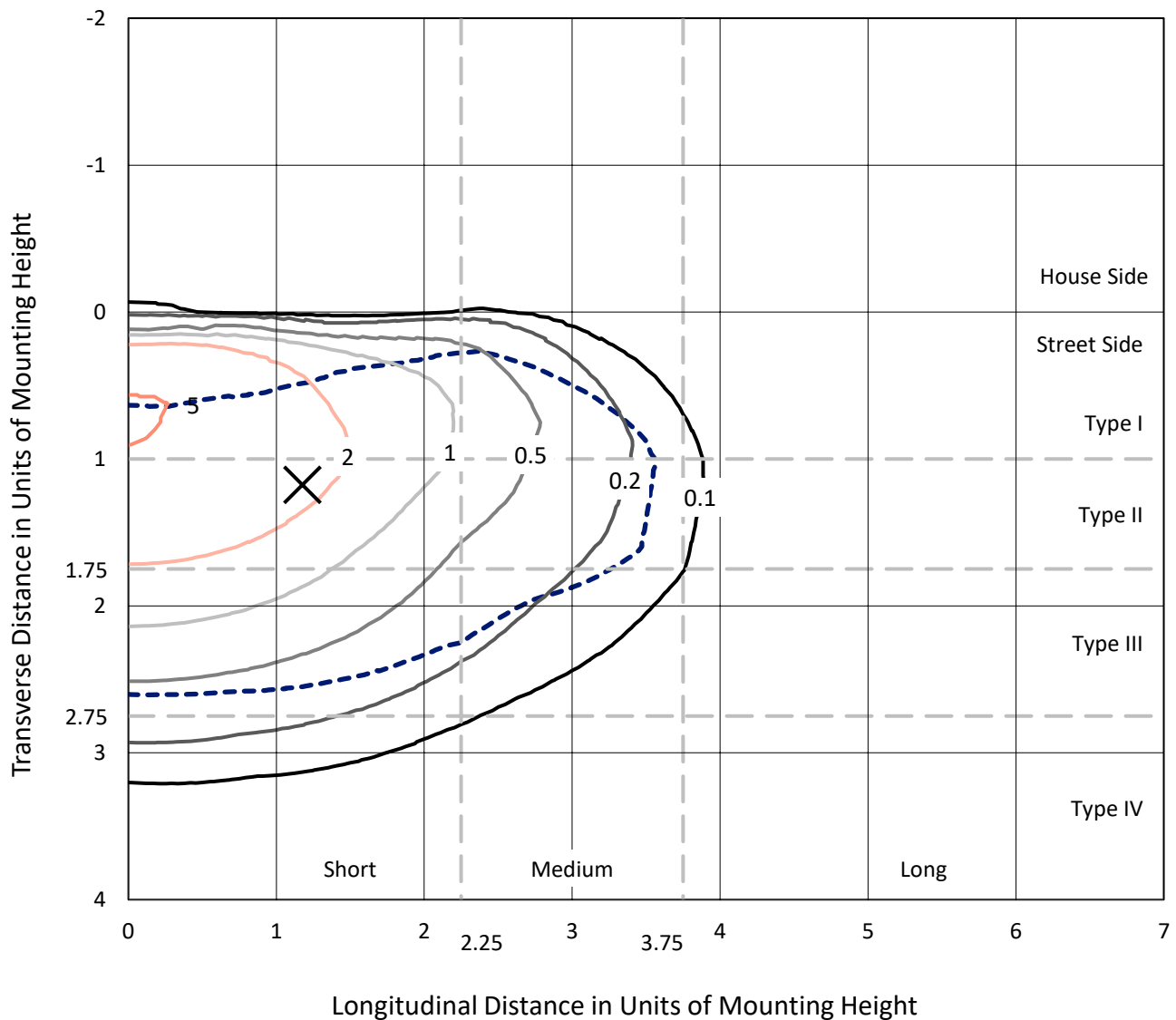


REPORT NUMBER: P1066959

CATALOG NUMBER: NAV-SA1C-727-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

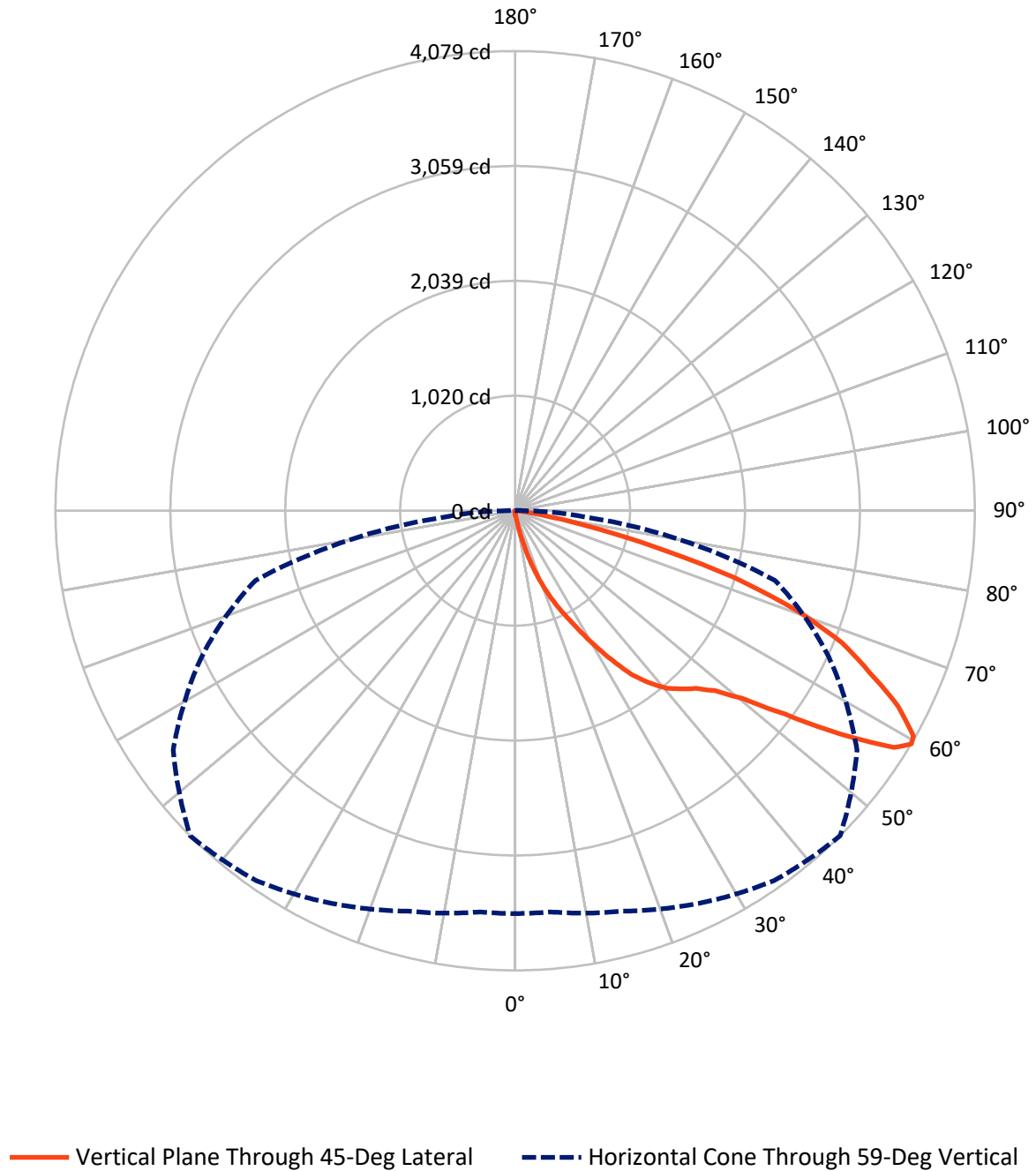


Based on 15 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

REPORT NUMBER: P1066959

CATALOG NUMBER: NAV-SA1C-727-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1066959

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.8	0.0	17.8
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4997.4	0.0	4997.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	5015.2	0.0	5015.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	55.4	1.1
20°-30°	199.2	4.0
30°-40°	462.8	9.2
40°-50°	788.9	15.7
50°-60°	1299.8	25.9
60°-70°	1502.9	30.0
70°-80°	645.7	12.9
80°-90°	55.8	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°	5015.2	100.0
0°-180°	5015.2	100.0



REPORT NUMBER: P1066959

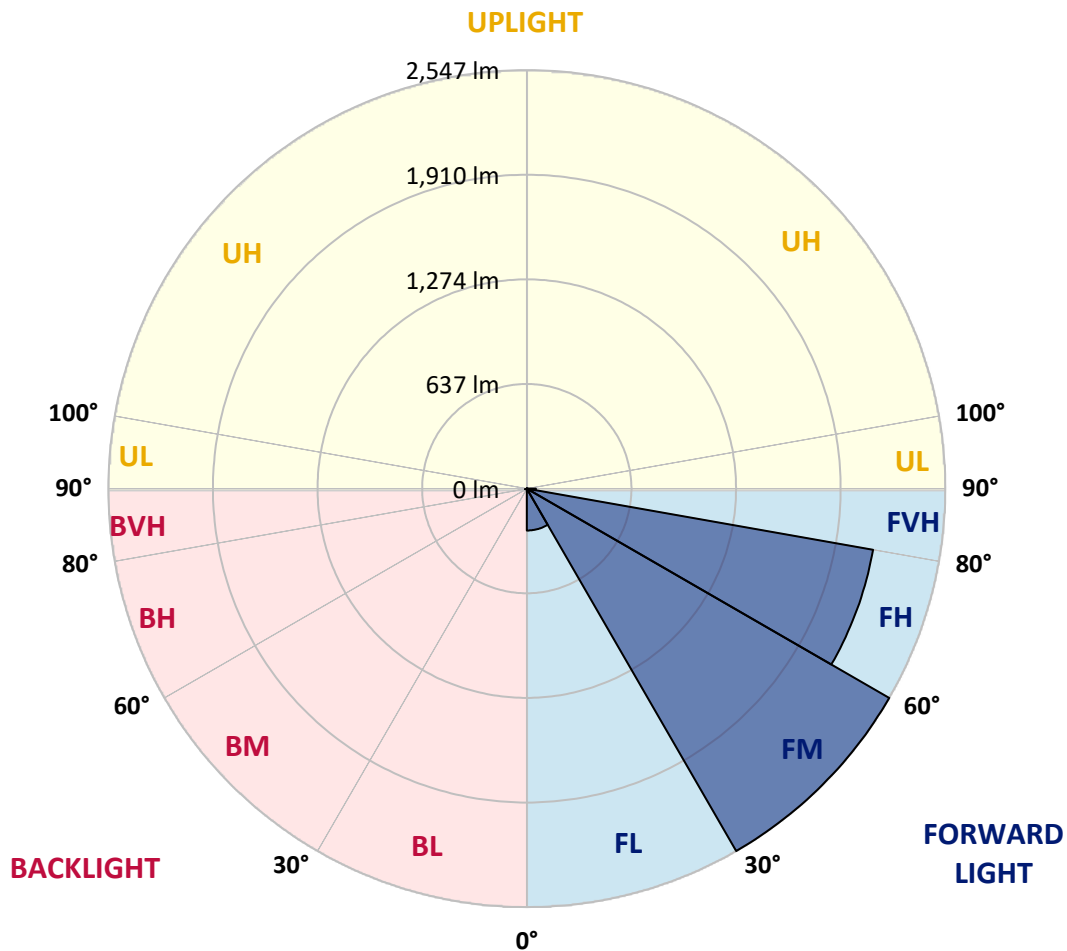
CATALOG NUMBER: NAV-SA1C-727-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.9	5.1			
FM	(30°-60°)	2547.2	50.8			
FH	(60°-80°)	2140.2	42.7			G2/5000
FVH	(80°-90°)	55.1	1.1			G1/100
BL	(0°-30°)	4.4	0.1	B0/110		
BM	(30°-60°)	4.3	0.1	B0/220		
BH	(60°-80°)	8.4	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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





REPORT NUMBER: P1066959

CATALOG NUMBER: NAV-SA1C-727-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	41.1	41.1	40.1	38.8	38.4	37.4	37.4	36.4	35.1	34.1	32.7
5°	59.7	59.4	56.7	53.3	48.9	46.2	46.2	42.5	39.1	36.1	33.4
7.5°	130.5	127.5	117.7	101.5	80.3	66.1	65.1	52.9	44.9	38.8	33.7
10°	299.5	289.0	275.2	236.4	174.7	122.1	119.7	77.2	53.6	41.8	34.4
12.5°	490.7	499.1	471.4	410.4	338.2	251.6	234.7	130.2	70.8	45.9	35.1
15°	664.7	662.6	647.1	597.2	513.9	398.6	388.1	226.3	101.5	52.3	35.7
17.5°	794.8	792.5	777.6	745.6	681.5	566.2	557.1	360.8	159.2	61.4	36.4
20°	932.1	929.0	908.1	882.5	826.5	728.4	717.6	511.2	249.2	76.2	36.4
22.5°	1096.6	1090.9	1068.7	1025.2	966.1	880.8	871.0	665.0	360.8	100.5	38.1
25°	1295.6	1285.8	1255.1	1216.0	1144.9	1031.6	1021.1	836.3	495.4	137.2	39.8
27.5°	1522.6	1524.2	1482.8	1416.7	1321.2	1205.6	1186.0	989.7	634.7	189.9	41.8
30°	1792.0	1775.1	1716.8	1639.9	1547.2	1399.8	1380.9	1142.5	791.1	267.4	45.2
32.5°	2044.2	2026.0	1947.5	1850.7	1751.2	1595.7	1580.2	1314.2	933.4	359.1	51.3
35°	2260.7	2247.9	2138.0	2020.0	1931.6	1792.7	1788.0	1505.7	1100.7	457.9	58.0
37.5°	2451.3	2428.0	2286.7	2164.3	2074.6	1950.2	1940.0	1681.1	1261.9	572.6	68.1
40°	2613.8	2601.0	2428.7	2267.8	2195.0	2083.7	2070.9	1834.8	1428.5	705.8	80.6
42.5°	2787.8	2771.0	2603.7	2423.3	2289.1	2170.0	2161.6	1961.6	1576.8	852.2	99.1
45°	2984.4	2953.1	2806.4	2644.5	2440.5	2259.4	2249.9	2074.6	1728.9	1009.3	121.7
47.5°	3194.5	3167.2	3048.5	2934.8	2700.1	2406.8	2386.5	2170.7	1880.0	1190.7	150.4
50°	3408.3	3409.0	3319.9	3265.3	3017.5	2646.2	2617.5	2312.0	2038.8	1385.0	192.9
52.5°	3657.2	3663.6	3662.2	3621.8	3429.5	3037.7	2999.3	2526.5	2223.3	1611.6	251.6
55°	3761.4	3772.8	3847.4	3937.1	3884.8	3534.1	3492.9	2896.4	2467.8	1864.2	338.6
57.5°	3676.1	3688.9	3791.7	3948.9	4068.9	3968.8	3964.0	3378.0	2789.8	2170.4	480.9
59°	3574.6	3572.9	3678.4	3845.0	4006.9	4072.0	4078.7	3703.7	3070.4	2385.2	603.6
60°	3507.1	3508.5	3578.6	3749.6	3921.6	4034.5	4060.8	3895.6	3234.3	2539.6	708.8
62.5°	3246.8	3262.3	3317.9	3476.8	3640.0	3766.1	3810.9	4066.6	3703.4	2904.5	1074.7
65°	2963.8	2964.9	3044.1	3180.0	3336.5	3425.2	3453.5	3800.5	4016.6	3276.1	1554.6
67.5°	2459.0	2479.6	2569.6	2789.8	2996.6	3108.8	3130.4	3308.1	3886.8	3518.2	1795.0
70°	1720.8	1747.8	1876.3	2161.9	2469.8	2654.3	2652.9	2750.0	3420.8	3410.3	1521.9
72.5°	859.2	905.8	1010.7	1316.5	1689.5	1979.2	2040.2	2212.2	2748.0	2832.7	1135.4
75°	379.7	382.4	442.1	596.2	839.7	1207.6	1262.2	1755.9	2108.3	1968.7	820.1
77.5°	220.9	222.9	233.7	267.8	340.3	591.8	653.2	1151.6	1489.8	1144.2	534.8
80°	80.3	82.3	81.9	101.5	149.1	233.0	259.7	558.1	993.8	602.6	280.2
82.5°	49.2	49.2	47.5	47.9	54.3	89.4	97.8	237.7	483.9	296.8	80.3
85°	24.3	25.6	27.3	30.7	36.4	44.2	46.9	68.1	162.9	71.8	19.2
87.5°	14.5	14.8	16.2	19.6	24.3	31.7	33.7	46.2	58.3	48.2	4.7
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: P1066959

CATALOG NUMBER: NAV-SA1C-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
2.5°	32.0	31.7	30.0	28.7	27.3	26.0	25.0	23.9	23.9	24.3	23.9
5°	32.0	30.7	28.0	25.6	23.6	21.9	20.2	18.9	18.5	18.5	18.9
7.5°	31.7	30.0	26.3	23.3	20.6	18.2	16.5	14.8	14.5	14.8	14.5
10°	31.4	29.3	25.0	21.2	17.5	15.2	12.8	11.1	11.1	11.1	11.5
12.5°	31.4	28.3	23.6	19.2	15.2	12.5	10.1	8.4	8.1	8.1	8.1
15°	31.0	27.7	22.3	16.9	12.8	9.4	7.4	5.7	5.7	5.7	5.7
17.5°	30.3	26.6	20.6	14.8	10.1	7.1	5.1	3.4	3.4	4.0	4.0
20°	29.7	25.6	18.5	12.1	8.4	5.4	3.4	2.0	2.0	3.0	3.4
22.5°	30.0	25.6	17.2	10.8	6.7	4.0	2.7	1.7	1.3	2.4	3.0
25°	30.3	25.0	15.5	9.4	5.1	3.0	2.0	0.7	0.3	0.7	1.0
27.5°	30.3	24.3	13.5	7.4	3.7	2.4	1.0	0.0	0.0	0.0	0.0
30°	30.0	23.3	11.8	6.1	2.7	1.3	0.3	0.0	0.0	0.0	0.0
32.5°	29.7	22.3	10.8	4.7	2.4	0.7	0.0	0.0	0.0	0.0	0.0
35°	30.0	20.9	9.4	3.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7
37.5°	31.0	19.6	8.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	32.4	18.5	6.7	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	35.1	18.5	6.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	38.4	18.5	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	42.8	18.9	4.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	48.2	19.6	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	52.3	18.9	3.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	59.4	18.2	3.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	68.8	17.2	3.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	78.2	15.8	3.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	89.0	15.2	3.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	147.0	13.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	283.9	12.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	459.0	12.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	482.6	12.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	321.0	10.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	172.0	9.4	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	92.7	8.8	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.8	6.4	1.7	1.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	16.2	4.4	2.0	1.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0
85°	7.8	3.4	2.7	2.4	1.7	1.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	3.4	3.0	2.7	2.4	1.7	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: SP1-2407-184-3

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

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



REPORT NUMBER: SP1-2407-184-3

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			

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 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

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 ($R_{f,i}$)

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)