

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: P1066970

Luminaire Tested: **NAV-SA4B-727-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066970
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4B-727-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 4xLight Square PACKAGE
70CRI 2700K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (56) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15374.1 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 144.1
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

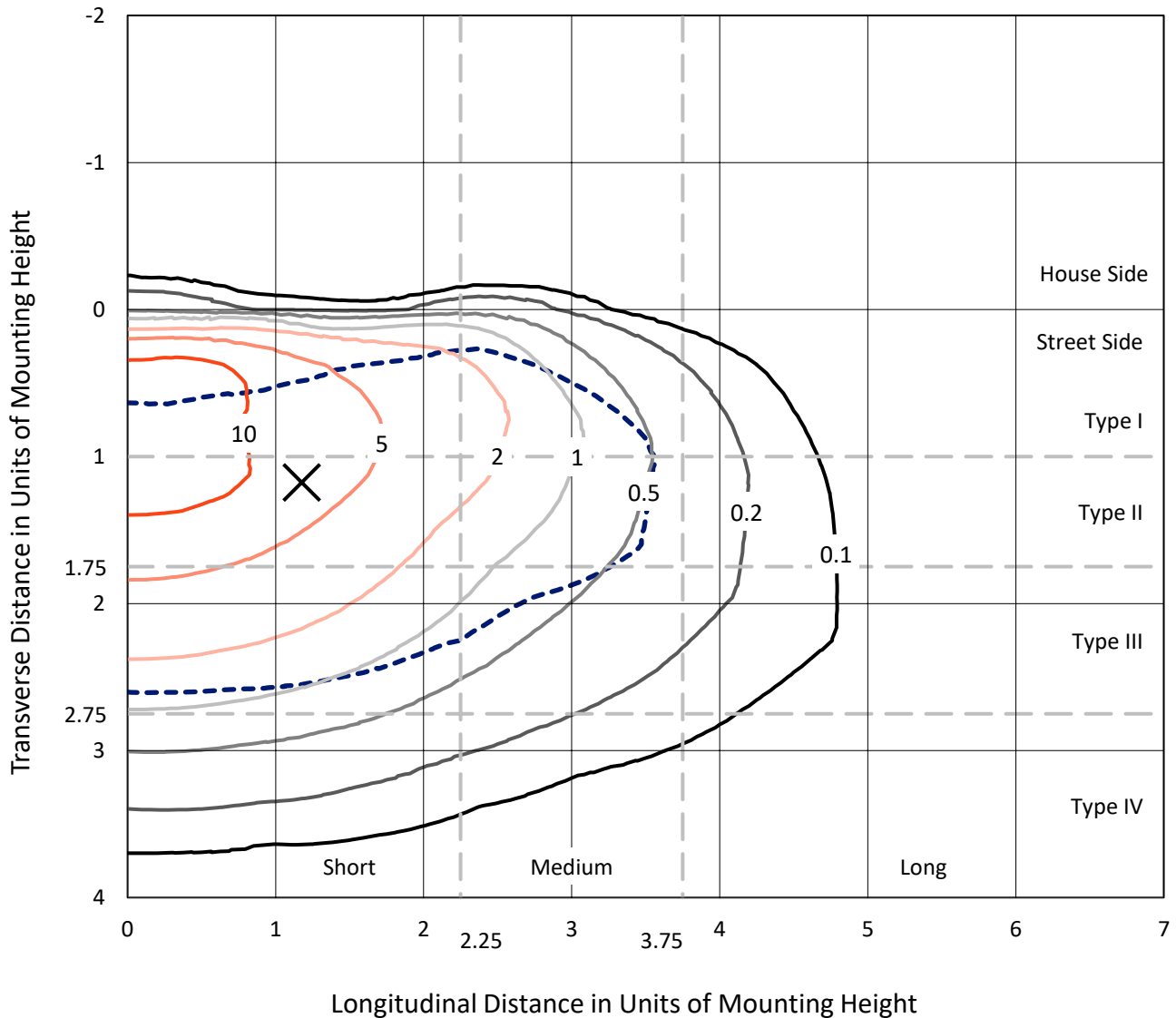


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

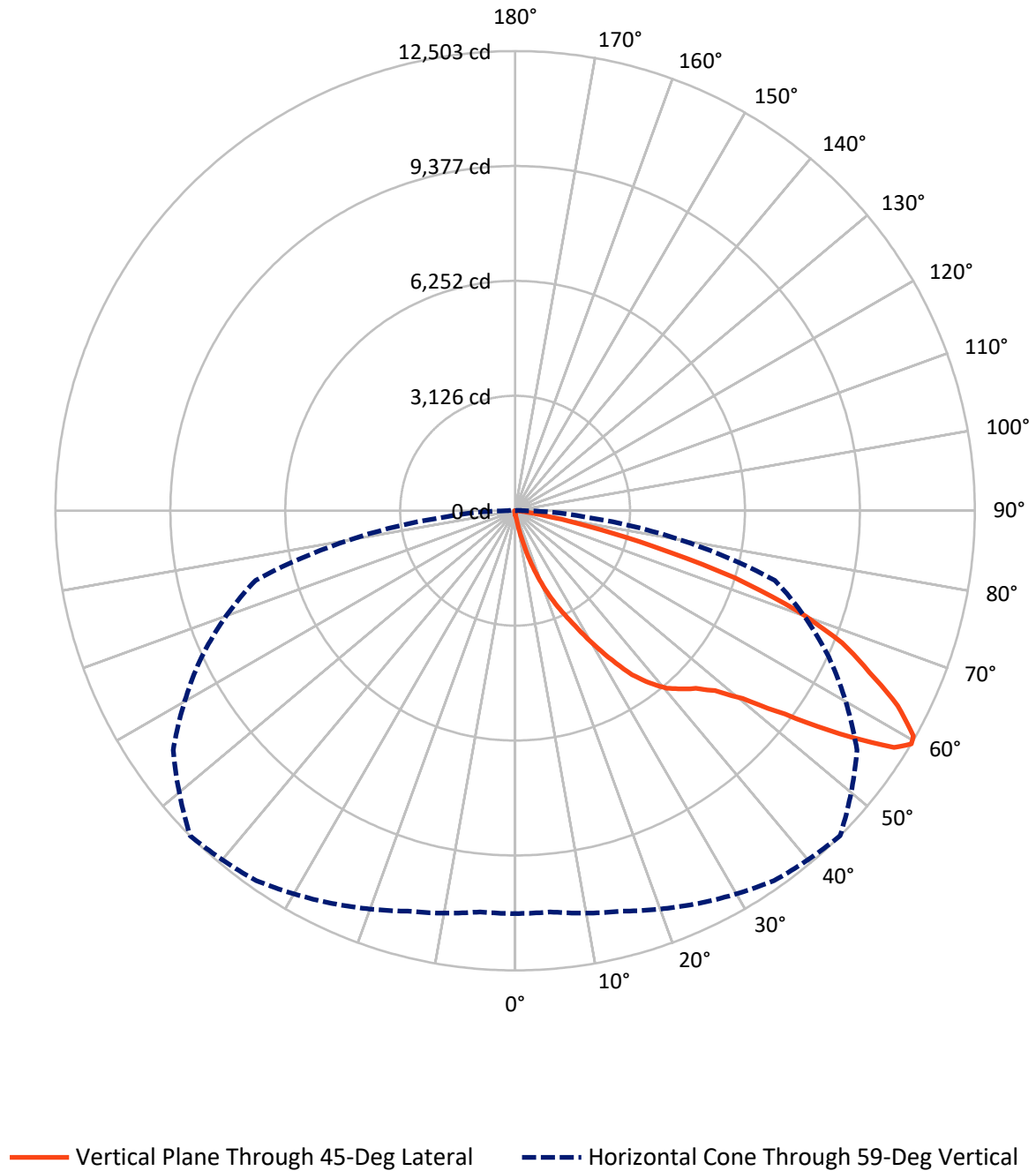


Based on 15 foot mounting height. Maximum calculated value = 16.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	54.6	0.0	54.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	15319.5	0.0	15319.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	15374.1	0.0	15374.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.1
10°-20°	169.9	1.1
20°-30°	610.6	4.0
30°-40°	1418.8	9.2
40°-50°	2418.3	15.7
50°-60°	3984.6	25.9
60°-70°	4607.1	30.0
70°-80°	1979.4	12.9
80°-90°	171.0	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°	15374.1	100.0
0°-180°	15374.1	100.0



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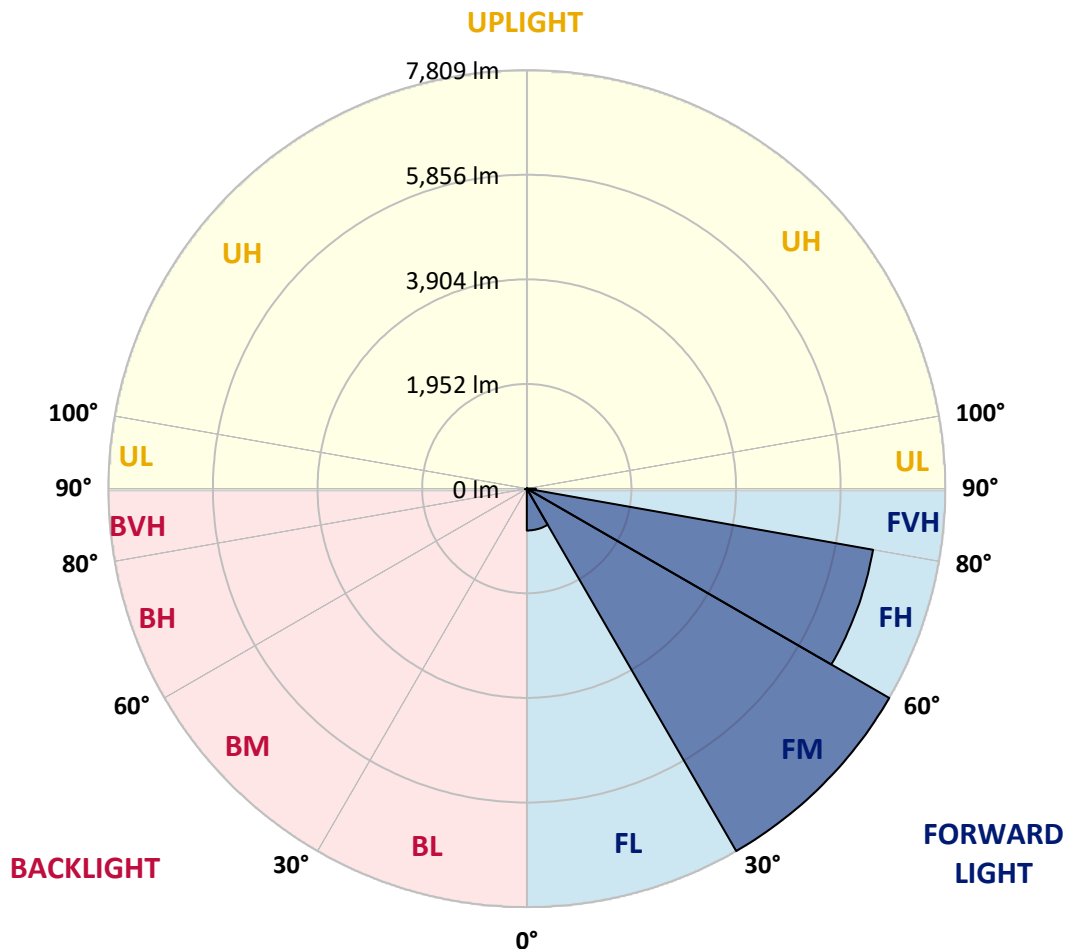
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	781.3	5.1			
FM	(30°-60°)	7808.5	50.8			
FH	(60°-80°)	6560.8	42.7			G3/7500
FVH	(80°-90°)	168.8	1.1			G2/225
BL	(0°-30°)	13.5	0.1	B0/110		
BM	(30°-60°)	13.2	0.1	B0/220		
BH	(60°-80°)	25.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2.5°	126.1	126.1	123.0	118.9	117.8	114.7	114.7	111.6	107.5	104.4	100.3
5°	183.0	181.9	173.7	163.3	149.9	141.6	141.6	130.3	119.9	110.6	102.3
7.5°	400.1	390.8	360.8	311.2	246.0	202.6	199.5	162.3	137.5	118.9	103.4
10°	918.0	885.9	843.5	724.7	535.5	374.2	367.0	236.7	164.4	128.2	105.4
12.5°	1504.1	1530.0	1445.2	1258.1	1036.9	771.2	719.5	399.0	217.1	140.6	107.5
15°	2037.5	2031.3	1983.8	1830.8	1575.4	1221.9	1189.9	693.7	311.2	160.2	109.6
17.5°	2436.6	2429.3	2383.8	2285.6	2089.2	1735.7	1707.8	1106.1	487.9	188.1	111.6
20°	2857.3	2848.0	2783.9	2705.3	2533.7	2232.9	2199.8	1567.2	763.9	233.6	111.6
22.5°	3361.8	3344.2	3276.0	3142.6	2961.7	2700.2	2670.2	2038.6	1106.1	308.1	116.8
25°	3971.7	3941.7	3847.6	3727.7	3509.6	3162.3	3130.2	2563.7	1518.6	420.7	122.0
27.5°	4667.4	4672.6	4545.4	4342.8	4050.3	3695.7	3635.7	3034.1	1945.5	582.0	128.2
30°	5493.4	5441.7	5262.9	5027.2	4742.9	4291.1	4233.2	3502.4	2425.2	819.8	138.5
32.5°	6266.6	6210.8	5969.9	5673.3	5368.3	4891.7	4844.2	4028.6	2861.4	1101.0	157.1
35°	6930.3	6891.0	6554.0	6192.2	5921.4	5495.5	5481.0	4615.7	3374.2	1403.8	177.8
37.5°	7514.4	7443.1	7009.9	6634.7	6359.7	5978.2	5947.2	5153.3	3868.3	1755.3	208.8
40°	8012.7	7973.4	7445.1	6952.0	6728.7	6387.6	6348.3	5624.7	4379.0	2163.7	247.1
42.5°	8546.1	8494.4	7981.6	7428.6	7017.1	6652.2	6626.4	6013.4	4833.8	2612.3	303.9
45°	9148.8	9052.6	8602.9	8106.7	7481.3	6926.2	6897.2	6359.7	5300.1	3094.0	373.2
47.5°	9792.8	9709.0	9345.2	8996.8	8277.3	7377.9	7315.9	6654.3	5763.2	3650.2	461.1
50°	10448.2	10450.3	10177.3	10009.9	9250.1	8111.9	8024.0	7087.4	6250.1	4245.6	591.3
52.5°	11211.1	11230.7	11226.6	11102.6	10513.3	9312.1	9194.2	7744.9	6815.6	4940.3	771.2
55°	11530.5	11565.7	11794.1	12069.1	11908.9	10833.8	10707.7	8878.9	7565.0	5714.6	1037.9
57.5°	11269.0	11308.3	11623.6	12105.3	12473.3	12166.3	12151.8	10355.1	8552.3	6653.3	1474.1
59°	10957.8	10952.7	11276.2	11786.9	12283.1	12482.6	12503.3	11353.8	9412.4	7311.8	1850.4
60°	10751.1	10755.2	10970.2	11494.3	12021.6	12367.9	12448.5	11942.0	9914.8	7785.2	2173.0
62.5°	9953.0	10000.6	10171.1	10658.0	11158.4	11545.0	11682.5	12466.1	11352.7	8903.8	3294.6
65°	9085.7	9088.8	9331.7	9748.3	10228.0	10499.9	10586.7	11650.4	12313.1	10043.0	4765.6
67.5°	7538.2	7601.2	7877.2	8552.3	9186.0	9530.2	9596.4	10141.2	11915.1	10785.2	5502.7
70°	5275.3	5358.0	5751.8	6627.4	7571.2	8136.7	8132.6	8430.3	10486.4	10454.4	4665.3
72.5°	2634.0	2776.7	3098.2	4035.8	5179.1	6067.1	6254.2	6781.4	8424.1	8683.6	3480.7
75°	1164.0	1172.3	1355.3	1827.7	2574.1	3701.9	3869.4	5382.8	6463.1	6035.1	2514.1
77.5°	677.1	683.3	716.4	820.8	1043.1	1814.2	2002.4	3530.3	4567.1	3507.5	1639.5
80°	246.0	252.2	251.2	311.2	456.9	714.3	796.0	1710.9	3046.5	1847.3	859.1
82.5°	150.9	150.9	145.8	146.8	166.4	273.9	299.8	728.8	1483.4	909.7	246.0
85°	74.4	78.6	83.7	94.1	111.6	135.4	143.7	208.8	499.3	220.2	58.9
87.5°	44.5	45.5	49.6	60.0	74.4	97.2	103.4	141.6	178.8	147.8	14.5
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-SA4B-727-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
2.5°	98.2	97.2	92.0	87.9	83.7	79.6	76.5	73.4	73.4	74.4	73.4
5°	98.2	94.1	85.8	78.6	72.4	67.2	62.0	57.9	56.9	56.9	57.9
7.5°	97.2	92.0	80.6	71.3	63.1	55.8	50.7	45.5	44.5	45.5	44.5
10°	96.1	89.9	76.5	65.1	53.8	46.5	39.3	34.1	34.1	34.1	35.1
12.5°	96.1	86.8	72.4	58.9	46.5	38.2	31.0	25.8	24.8	24.8	24.8
15°	95.1	84.8	68.2	51.7	39.3	28.9	22.7	17.6	17.6	17.6	17.6
17.5°	93.0	81.7	63.1	45.5	31.0	21.7	15.5	10.3	10.3	12.4	12.4
20°	91.0	78.6	56.9	37.2	25.8	16.5	10.3	6.2	6.2	9.3	10.3
22.5°	92.0	78.6	52.7	33.1	20.7	12.4	8.3	5.2	4.1	7.2	9.3
25°	93.0	76.5	47.6	28.9	15.5	9.3	6.2	2.1	1.0	2.1	3.1
27.5°	93.0	74.4	41.4	22.7	11.4	7.2	3.1	0.0	0.0	0.0	0.0
30°	92.0	71.3	36.2	18.6	8.3	4.1	1.0	0.0	0.0	0.0	0.0
32.5°	91.0	68.2	33.1	14.5	7.2	2.1	0.0	0.0	0.0	0.0	0.0
35°	92.0	64.1	28.9	11.4	4.1	0.0	0.0	0.0	0.0	0.0	2.1
37.5°	95.1	60.0	24.8	9.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	99.2	56.9	20.7	7.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	107.5	56.9	18.6	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	117.8	56.9	15.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	131.3	57.9	13.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	147.8	60.0	12.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	160.2	57.9	11.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	181.9	55.8	10.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	210.9	52.7	10.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	239.8	48.6	10.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	272.9	46.5	9.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	450.7	41.4	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	870.4	39.3	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1406.9	39.3	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1479.3	39.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	984.1	32.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	527.2	28.9	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	284.3	26.9	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	125.1	19.6	5.2	3.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	49.6	13.4	6.2	5.2	4.1	2.1	0.0	0.0	0.0	0.0	0.0
85°	23.8	10.3	8.3	7.2	5.2	3.1	0.0	0.0	0.0	0.0	0.0
87.5°	11.4	10.3	9.3	8.3	7.2	5.2	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

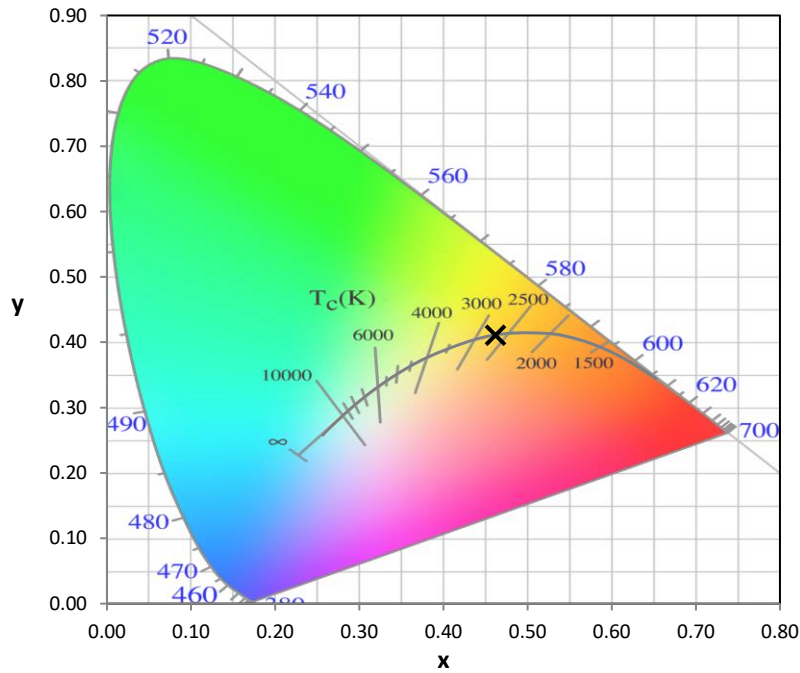
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

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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CIE 1931 Chromaticity Diagram



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



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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 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			

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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 ($R_{f,i}$)

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)