

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: P1067246

Luminaire Tested: **NAV-SA1B-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067246
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-735-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4239.2 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - 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



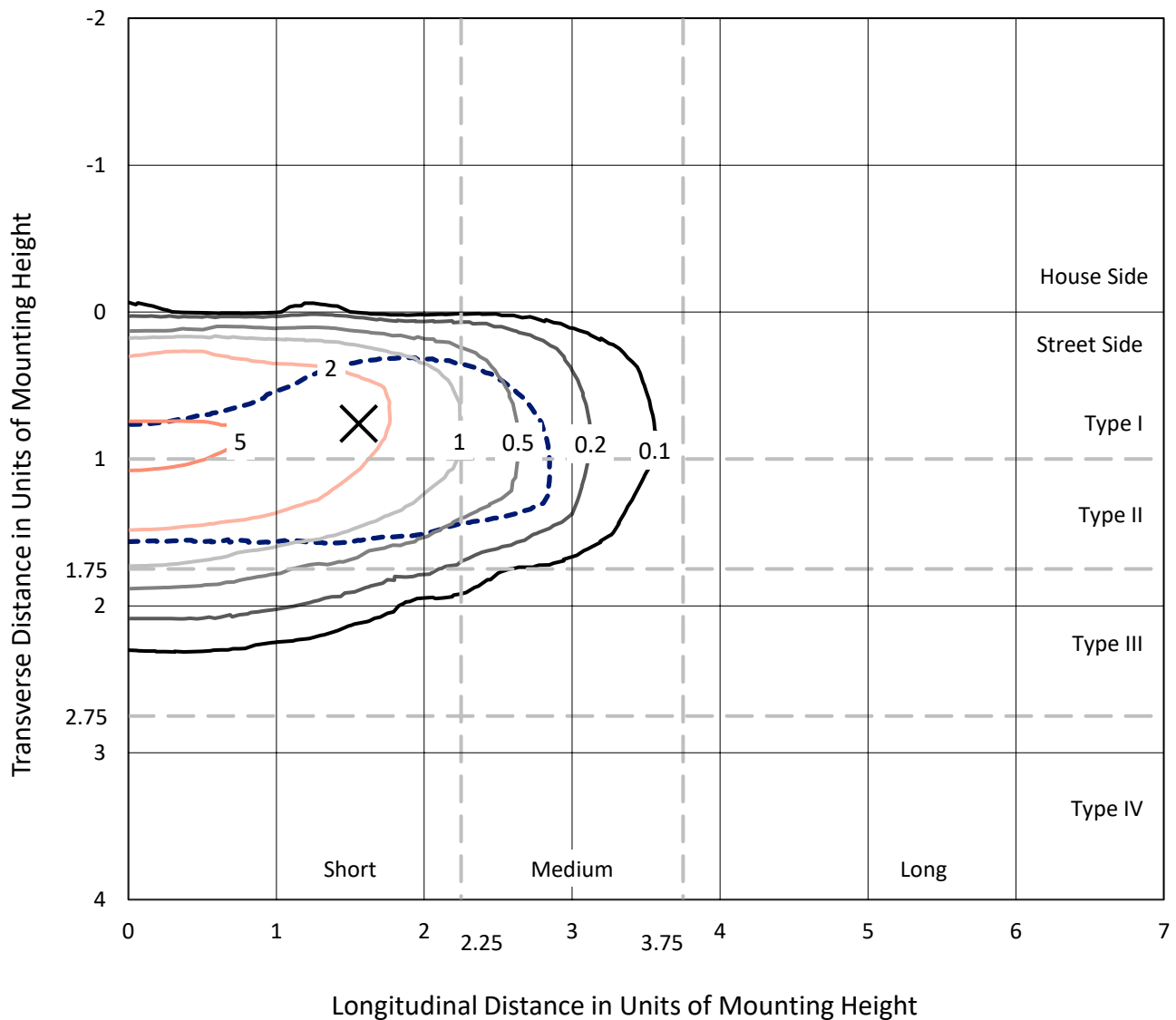
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

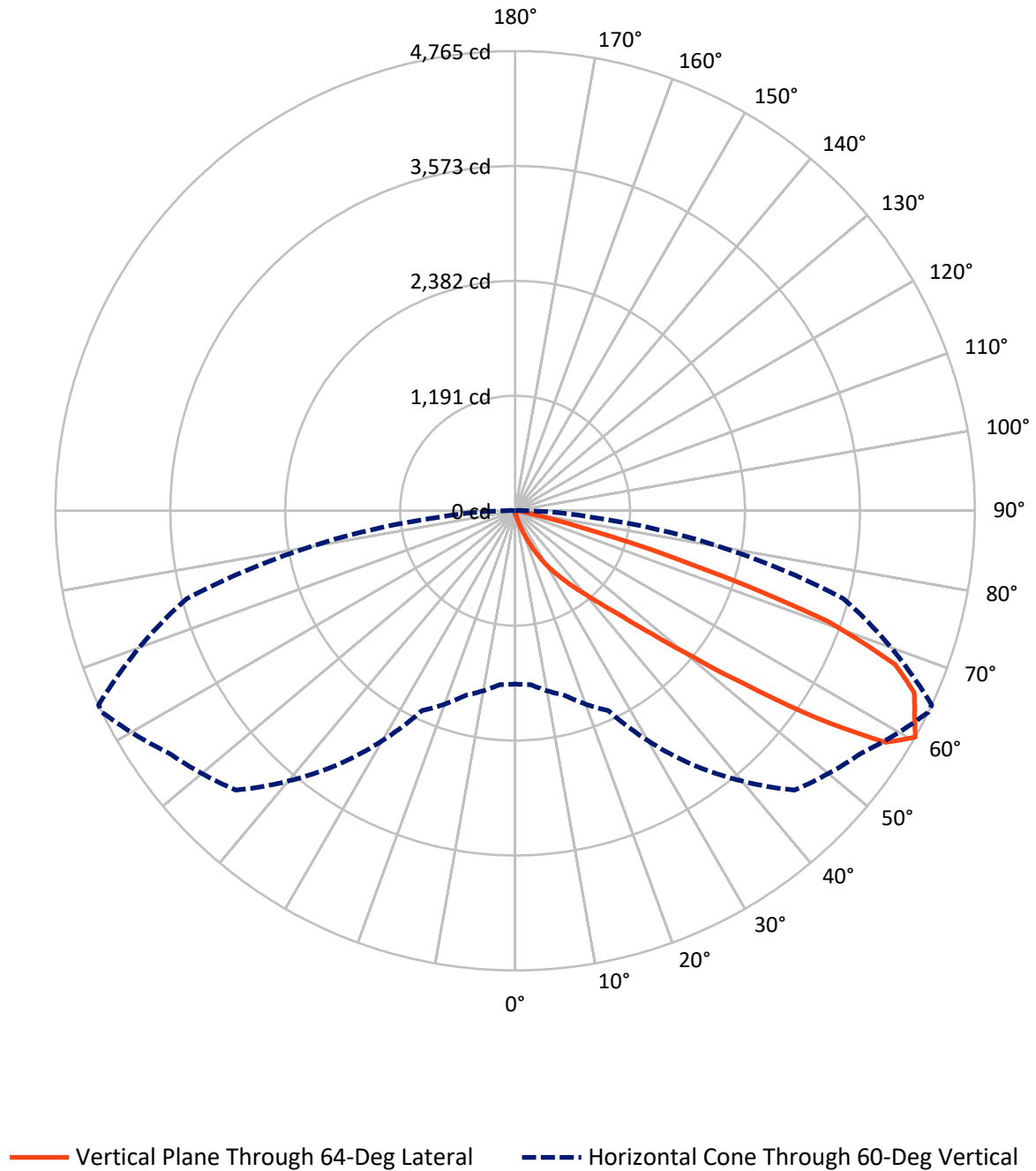


Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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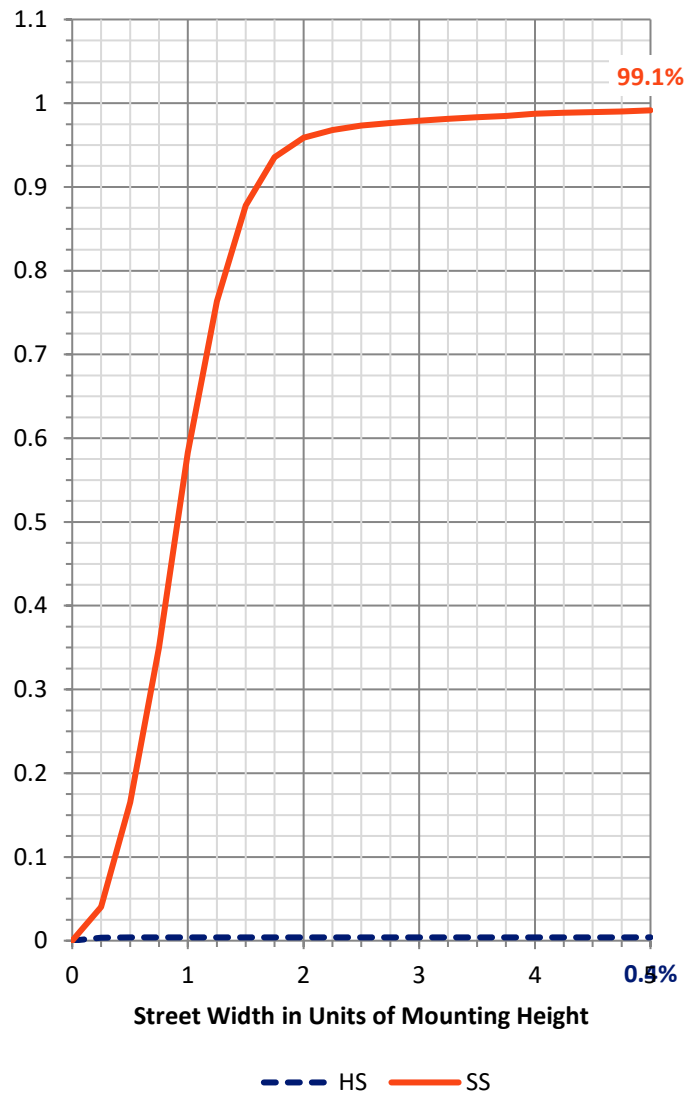
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17.2	0.0	17.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4222.0	0.0	4222.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	4239.2	0.0	4239.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	41.7	1.0
20°-30°	138.4	3.3
30°-40°	369.2	8.7
40°-50°	938.4	22.1
50°-60°	1367.9	32.3
60°-70°	1056.6	24.9
70°-80°	290.2	6.8
80°-90°	32.8	0.8
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°	4239.2	100.0
0°-180°	4239.2	100.0



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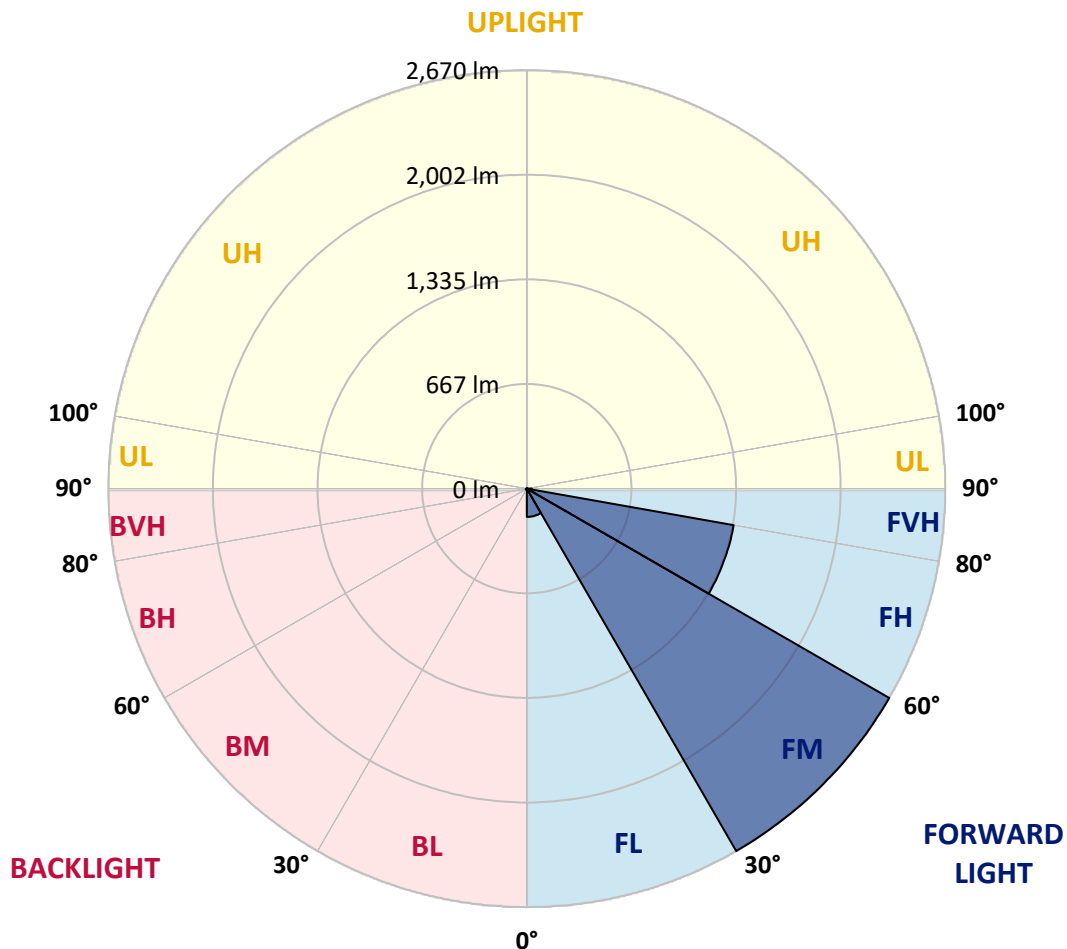
CATALOG NUMBER: NAV-SA1B-735-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.4	4.3			
FM	(30°-60°)	2669.8	63.0			
FH	(60°-80°)	1339.9	31.6			G1/1800
FVH	(80°-90°)	32.0	0.8			G1/100
BL	(0°-30°)	3.9	0.1	B0/110		
BM	(30°-60°)	5.7	0.1	B0/220		
BH	(60°-80°)	6.9	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-G1

Type II Short



REPORT NUMBER: P1067246

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	37.3	37.3	37.3	36.2	35.0	35.0	33.8	32.7	32.7	30.3	29.2
5°	57.2	57.2	54.8	52.5	49.0	44.3	39.7	36.2	36.2	32.7	30.3
7.5°	112.0	115.5	105.0	92.2	74.7	63.0	50.2	42.0	40.8	35.0	30.3
10°	242.7	240.4	224.0	192.5	151.7	109.7	70.0	51.3	49.0	37.3	30.3
12.5°	365.2	368.7	351.2	316.2	267.2	194.9	120.2	66.5	64.2	40.8	30.3
15°	470.3	470.3	458.6	441.1	387.4	311.6	193.7	99.2	91.0	44.3	29.2
17.5°	542.6	541.4	536.8	532.1	500.6	422.4	296.4	158.7	140.0	52.5	29.2
20°	624.3	620.8	626.6	617.3	592.8	530.9	404.9	235.7	218.2	66.5	29.2
22.5°	709.5	713.0	717.6	708.3	681.5	627.8	519.3	334.9	316.2	92.2	30.3
25°	818.0	815.7	826.2	818.0	784.2	721.1	626.6	443.4	416.6	128.4	32.7
27.5°	951.0	946.4	953.4	932.4	888.0	823.8	722.3	554.3	522.8	184.4	37.3
30°	1127.2	1130.7	1099.2	1074.7	1011.7	926.5	828.5	673.3	640.6	250.9	42.0
32.5°	1405.0	1380.4	1331.4	1232.3	1149.4	1040.9	934.7	777.2	748.0	336.1	49.0
35°	1837.9	1842.5	1735.2	1490.1	1310.4	1184.4	1051.4	891.5	870.5	432.9	58.3
37.5°	2365.3	2352.5	2258.0	1948.7	1546.2	1362.9	1184.4	1016.4	986.0	537.9	70.0
40°	2962.8	2909.1	2854.3	2644.2	2037.4	1587.0	1352.4	1161.1	1137.7	659.3	88.7
42.5°	3441.2	3427.2	3436.5	3349.0	2856.6	1968.6	1575.3	1338.4	1310.4	809.8	121.4
45°	3676.9	3657.1	3713.1	3778.4	3652.4	2780.7	1934.7	1564.8	1527.5	987.2	171.5
47.5°	3613.9	3599.9	3720.1	3848.5	4016.5	3722.4	2521.7	1903.2	1839.0	1214.7	246.2
50°	3303.5	3304.7	3501.9	3741.1	4007.2	4199.7	3391.0	2366.5	2286.0	1517.0	362.9
52.5°	3001.3	3010.6	3219.5	3568.4	3868.3	4255.7	4154.2	2990.8	2860.1	1872.9	500.6
55°	2690.9	2695.6	2879.9	3371.2	3802.9	4088.8	4546.3	3794.8	3655.9	2316.3	634.8
57.5°	2392.2	2392.2	2461.0	2897.4	3731.8	4073.7	4499.6	4529.9	4416.7	2822.7	734.0
60°	1797.0	1808.7	1980.2	2286.0	3218.3	4095.8	4380.6	4764.5	4764.5	3525.2	809.8
62.5°	907.9	925.4	1138.9	1436.5	2207.8	3790.1	4399.2	4646.6	4665.3	4144.9	982.5
65°	425.9	445.8	560.1	770.2	1187.9	2667.5	4205.5	4546.3	4540.4	4027.0	1346.6
67.5°	305.7	311.6	350.1	449.3	639.5	1169.2	3210.2	4246.4	4248.7	3421.4	1548.5
70°	274.2	274.2	283.6	312.7	385.1	522.8	1560.2	3438.9	3605.7	2641.9	1435.3
72.5°	270.7	268.4	266.1	267.2	260.2	262.6	535.6	1941.7	2179.8	1848.4	1144.7
75°	263.7	263.7	261.4	253.2	207.7	169.2	184.4	785.3	907.9	1234.6	849.5
77.5°	208.9	229.9	254.4	239.2	190.2	127.2	107.4	227.5	287.1	757.3	616.1
80°	96.9	98.0	96.9	101.5	121.4	91.0	79.3	110.9	112.0	420.1	381.6
82.5°	70.0	71.2	67.7	60.7	53.7	49.0	65.3	81.7	87.5	192.5	142.4
85°	21.0	19.8	23.3	31.5	37.3	43.2	54.8	68.8	72.3	71.2	21.0
87.5°	9.3	9.3	11.7	16.3	22.2	32.7	47.8	63.0	64.2	73.5	5.8
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-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
2.5°	29.2	28.0	26.8	25.7	24.5	23.3	22.2	22.2	23.3	23.3	23.3
5°	28.0	26.8	24.5	22.2	21.0	19.8	18.7	18.7	19.8	19.8	19.8
7.5°	28.0	25.7	23.3	21.0	18.7	17.5	16.3	16.3	16.3	17.5	17.5
10°	28.0	25.7	22.2	18.7	16.3	15.2	14.0	12.8	14.0	14.0	14.0
12.5°	26.8	24.5	21.0	17.5	14.0	11.7	10.5	10.5	10.5	10.5	10.5
15°	25.7	23.3	19.8	15.2	11.7	9.3	7.0	7.0	7.0	8.2	8.2
17.5°	24.5	22.2	17.5	11.7	8.2	5.8	4.7	4.7	4.7	5.8	5.8
20°	24.5	21.0	15.2	9.3	5.8	3.5	2.3	2.3	2.3	3.5	4.7
22.5°	24.5	21.0	14.0	7.0	3.5	2.3	1.2	1.2	1.2	1.2	1.2
25°	24.5	19.8	12.8	5.8	2.3	1.2	0.0	0.0	1.2	2.3	3.5
27.5°	24.5	18.7	10.5	3.5	2.3	1.2	0.0	1.2	2.3	2.3	2.3
30°	24.5	18.7	9.3	3.5	1.2	0.0	0.0	1.2	2.3	2.3	3.5
32.5°	25.7	17.5	8.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	26.8	16.3	7.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	29.2	16.3	4.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	32.7	17.5	4.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	40.8	18.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	57.2	23.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	84.0	35.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	122.5	47.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	150.5	47.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	149.4	30.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	114.4	21.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	96.9	15.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	116.7	11.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	207.7	10.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	333.7	10.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	373.4	10.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	291.7	9.3	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	159.9	8.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	80.5	5.8	2.3	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	33.8	4.7	2.3	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	11.7	4.7	2.3	2.3	1.2	1.2	0.0	0.0	0.0	0.0	0.0
85°	5.8	3.5	3.5	2.3	2.3	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	2.3	2.3	1.2	1.2	0.0	0.0	0.0	1.2
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: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-5
 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-735-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369	CRI (Ra):	70.1		
CIE u':	0.2386	R1:	66.6	R9:	-40.2
CIE v':	0.5156	R2:	77.6	R10:	49.1
Duv:	0.0013	R3:	88.5	R11:	66.3
CIE x:	0.4143	R4:	69.5	R12:	45.7
CIE y:	0.3980	R5:	66.4	R13:	68.0
CIE z:	0.1877	R6:	69.6	R14:	93.4
Peak Wavelength (nm):	590	R7:	77.5	R15:	57.6
Dominant Wavelength (nm):	580	R8:	44.9		
Purity:	43.80166				
Rf:	71.4				
Rg:	96				



Test Conditions

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

REPORT NUMBER: SP1-2407-184-5

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 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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.29

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.36

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	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 71.4$
 $R_g = 96$
 CIE $R_a = 70.1$
 $R_g = -40.2$



Color Vector Graphics



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

CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)