

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: P1067257

Luminaire Tested: **NAV-SA4A-735-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067257
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-735-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12963.2 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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

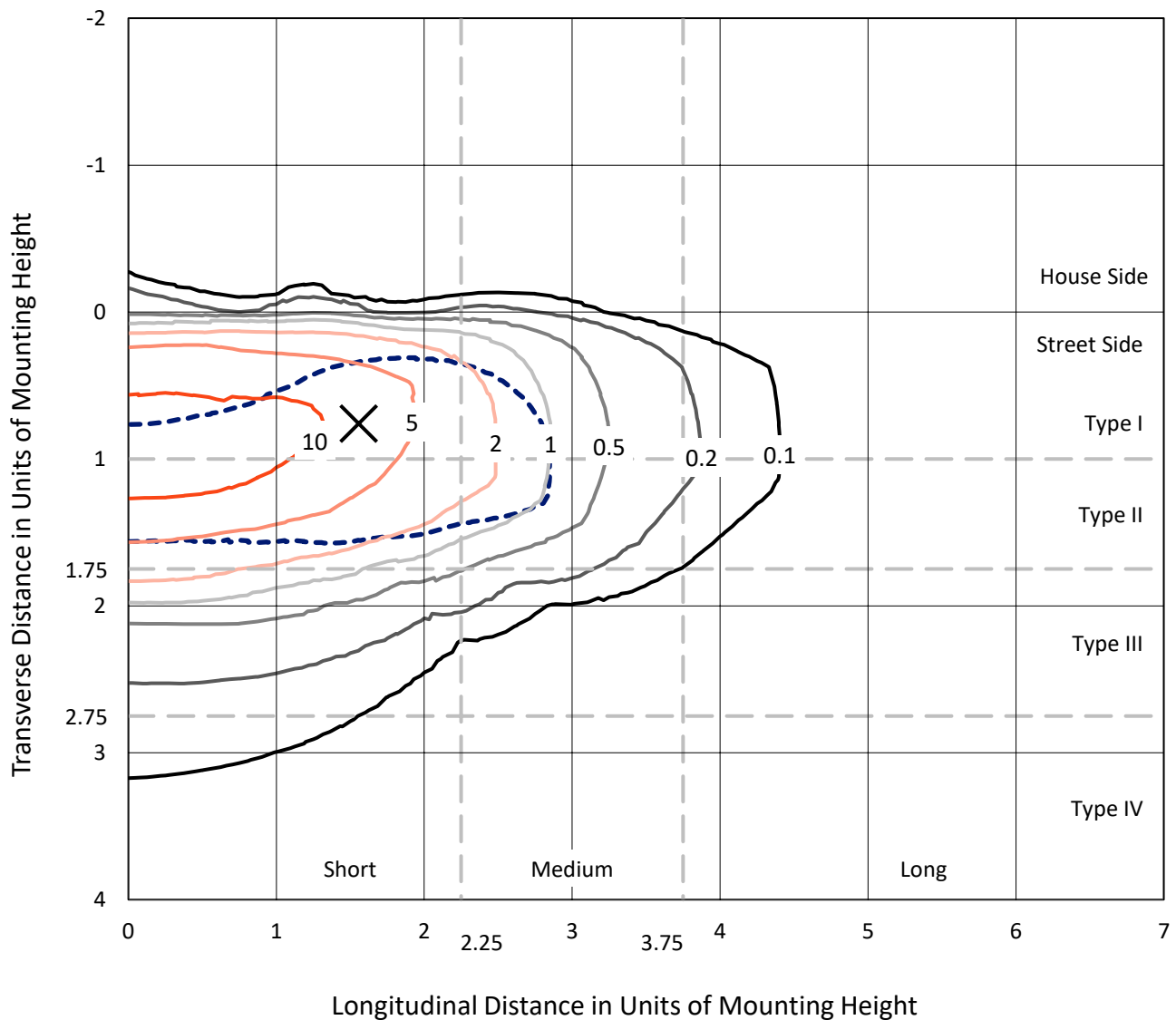


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

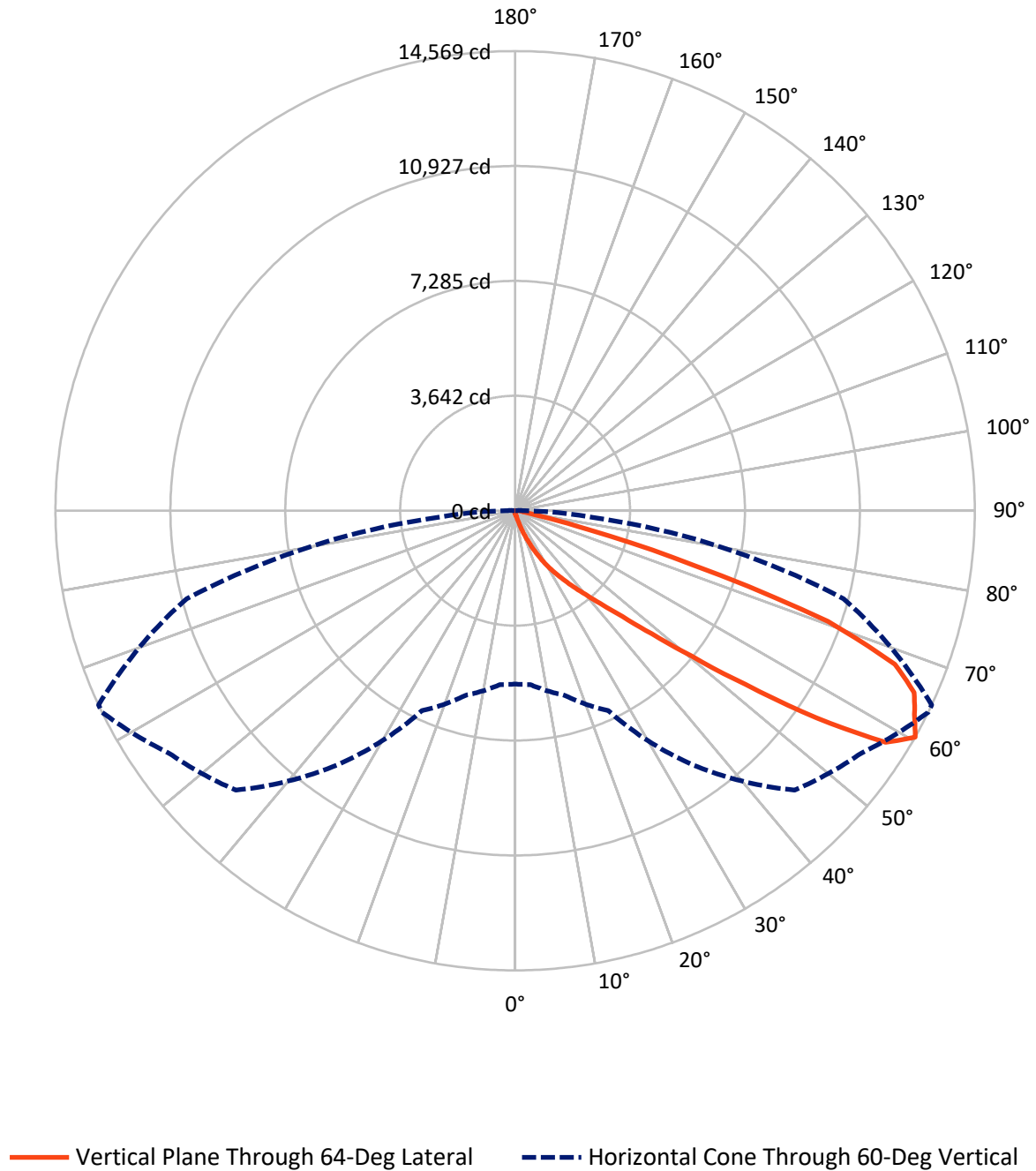


Based on 15 foot mounting height. Maximum calculated value = 18.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.6	0.0	52.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	12910.7	0.0	12910.7
	% Fixture	99.6	0.0	99.6
Total	Lumens	12963.2	0.0	12963.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.1
10°-20°	127.4	1.0
20°-30°	423.1	3.3
30°-40°	1128.9	8.7
40°-50°	2869.4	22.1
50°-60°	4183.0	32.3
60°-70°	3231.0	24.9
70°-80°	887.3	6.8
80°-90°	100.2	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°	12963.2	100.0
0°-180°	12963.2	100.0



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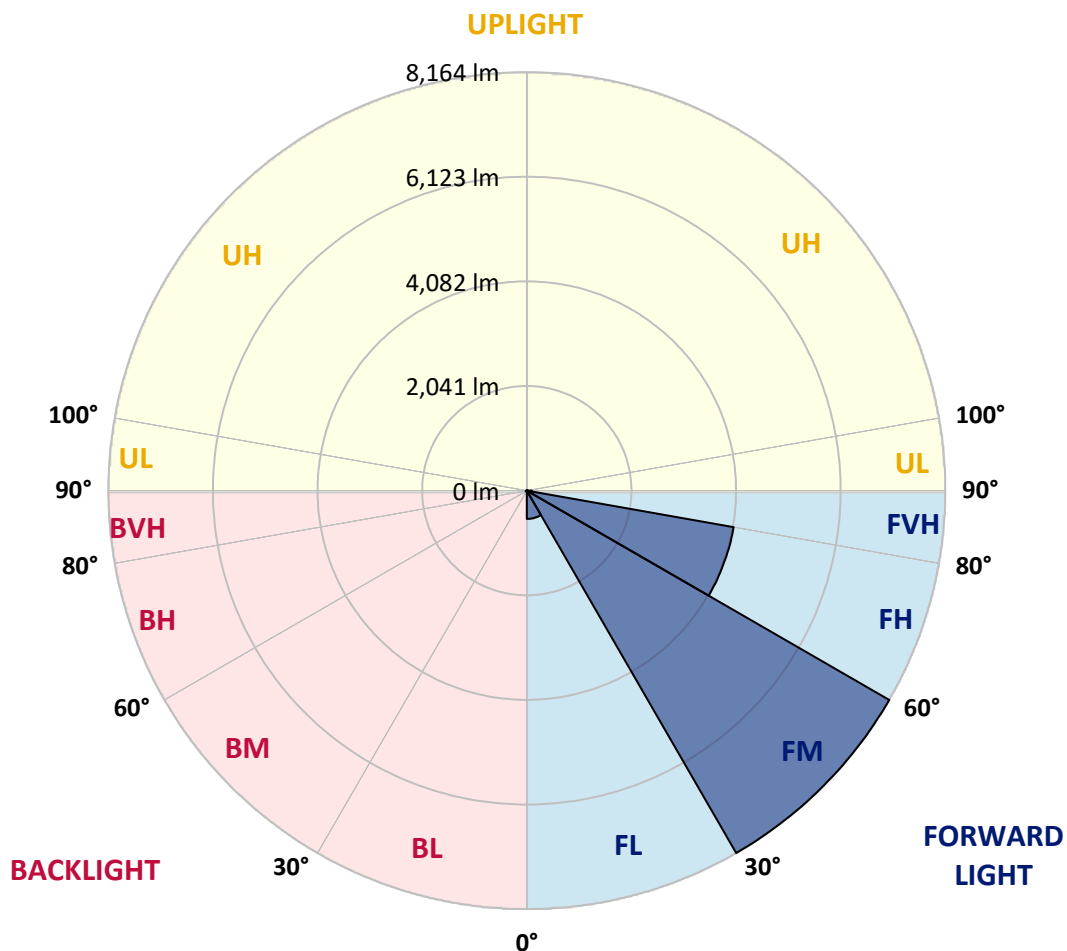
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	551.6	4.3			
FM	(30°-60°)	8164.0	63.0			
FH	(60°-80°)	4097.3	31.6			G2/5000
FVH	(80°-90°)	97.8	0.8			G1/100
BL	(0°-30°)	11.8	0.1	B0/110		
BM	(30°-60°)	17.4	0.1	B0/220		
BH	(60°-80°)	21.0	0.2	B0/110		G0/110
BVH	(80°-90°)	2.4	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 II Short



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CATALOG NUMBER: NAV-SA4A-735-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2.5°	114.2	114.2	114.2	110.6	107.0	107.0	103.5	99.9	99.9	92.8	89.2
5°	174.8	174.8	167.7	160.6	149.9	135.6	121.3	110.6	110.6	99.9	92.8
7.5°	342.6	353.3	321.1	281.9	228.4	192.7	153.4	128.5	124.9	107.0	92.8
10°	742.2	735.1	685.1	588.8	463.9	335.4	214.1	157.0	149.9	114.2	92.8
12.5°	1116.9	1127.6	1074.1	967.0	817.1	595.9	367.5	203.4	196.3	124.9	92.8
15°	1438.0	1438.0	1402.3	1348.8	1184.7	952.7	592.3	303.3	278.3	135.6	89.2
17.5°	1659.3	1655.7	1641.4	1627.1	1530.8	1291.7	906.4	485.3	428.2	160.6	89.2
20°	1909.0	1898.3	1916.2	1887.6	1812.7	1623.6	1238.2	720.8	667.3	203.4	89.2
22.5°	2169.5	2180.2	2194.5	2166.0	2083.9	1919.8	1587.9	1024.1	967.0	281.9	92.8
25°	2501.4	2494.2	2526.4	2501.4	2397.9	2205.2	1916.2	1356.0	1273.9	392.5	99.9
27.5°	2908.2	2893.9	2915.3	2851.1	2715.5	2519.2	2208.8	1694.9	1598.6	563.8	114.2
30°	3447.0	3457.7	3361.3	3286.4	3093.7	2833.2	2533.5	2058.9	1959.0	767.2	128.5
32.5°	4296.2	4221.3	4071.4	3768.1	3514.8	3182.9	2858.2	2376.5	2287.3	1027.7	149.9
35°	5620.1	5634.4	5306.1	4556.7	4007.2	3621.8	3215.0	2726.2	2662.0	1323.8	178.4
37.5°	7233.0	7193.7	6904.7	5959.1	4728.0	4167.8	3621.8	3108.0	3015.2	1645.0	214.1
40°	9059.9	8895.8	8728.1	8085.8	6230.3	4852.9	4135.7	3550.5	3479.1	2016.1	271.2
42.5°	10522.9	10480.1	10508.7	10241.0	8735.2	6019.7	4817.2	4092.9	4007.2	2476.4	371.1
45°	11243.7	11183.1	11354.4	11554.2	11168.8	8503.3	5916.3	4785.1	4670.9	3018.8	524.5
47.5°	11051.1	11008.2	11375.8	11768.3	12282.1	11382.9	7711.1	5819.9	5623.7	3714.6	752.9
50°	10101.9	10105.5	10708.5	11440.0	12253.6	12842.3	10369.5	7236.5	6990.3	4638.8	1109.7
52.5°	9177.7	9206.2	9845.0	10911.9	11828.9	13013.6	12703.2	9145.6	8745.9	5727.1	1530.8
55°	8228.5	8242.8	8806.6	10308.8	11629.1	12503.4	13902.1	11604.1	11179.5	7083.1	1941.2
57.5°	7315.0	7315.0	7525.6	8860.1	11411.5	12457.0	13759.4	13852.2	13506.0	8631.7	2244.5
60°	5495.2	5530.9	6055.4	6990.3	9841.4	12524.8	13395.4	14569.4	14569.4	10779.9	2476.4
62.5°	2776.1	2829.7	3482.7	4392.6	6751.2	11589.9	13452.5	14209.0	14266.1	12674.6	3004.5
65°	1302.4	1363.1	1712.8	2355.1	3632.5	8157.2	12860.2	13902.1	13884.3	12314.2	4117.8
67.5°	934.9	952.7	1070.5	1373.8	1955.4	3575.4	9816.4	12985.1	12992.2	10462.3	4735.1
70°	838.6	838.6	867.1	956.3	1177.5	1598.6	4770.8	10515.8	11026.1	8078.7	4389.0
72.5°	827.8	820.7	813.6	817.1	795.7	802.9	1637.9	5937.7	6665.6	5652.2	3500.5
75°	806.4	806.4	799.3	774.3	635.2	517.4	563.8	2401.5	2776.1	3775.3	2597.7
77.5°	638.7	703.0	777.9	731.5	581.6	388.9	328.3	695.8	877.8	2315.8	1884.1
80°	296.2	299.7	296.2	310.4	371.1	278.3	242.6	339.0	342.6	1284.6	1166.8
82.5°	214.1	217.7	207.0	185.6	164.1	149.9	199.8	249.8	267.6	588.8	435.3
85°	64.2	60.7	71.4	96.3	114.2	132.0	167.7	210.5	221.2	217.7	64.2
87.5°	28.5	28.5	35.7	50.0	67.8	99.9	146.3	192.7	196.3	224.8	17.8
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-SA4A-735-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2.5°	89.2	85.6	82.1	78.5	74.9	71.4	67.8	67.8	71.4	71.4	71.4
5°	85.6	82.1	74.9	67.8	64.2	60.7	57.1	57.1	60.7	60.7	60.7
7.5°	85.6	78.5	71.4	64.2	57.1	53.5	50.0	50.0	50.0	53.5	53.5
10°	85.6	78.5	67.8	57.1	50.0	46.4	42.8	39.3	42.8	42.8	42.8
12.5°	82.1	74.9	64.2	53.5	42.8	35.7	32.1	32.1	32.1	32.1	32.1
15°	78.5	71.4	60.7	46.4	35.7	28.5	21.4	21.4	21.4	25.0	25.0
17.5°	74.9	67.8	53.5	35.7	25.0	17.8	14.3	14.3	14.3	17.8	17.8
20°	74.9	64.2	46.4	28.5	17.8	10.7	7.1	7.1	7.1	10.7	14.3
22.5°	74.9	64.2	42.8	21.4	10.7	7.1	3.6	3.6	3.6	3.6	3.6
25°	74.9	60.7	39.3	17.8	7.1	3.6	0.0	0.0	3.6	7.1	10.7
27.5°	74.9	57.1	32.1	10.7	7.1	3.6	0.0	3.6	7.1	7.1	7.1
30°	74.9	57.1	28.5	10.7	3.6	0.0	0.0	3.6	7.1	7.1	10.7
32.5°	78.5	53.5	25.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	82.1	50.0	21.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	89.2	50.0	14.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	99.9	53.5	14.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	124.9	57.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	174.8	71.4	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	256.9	107.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	374.7	146.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	460.3	146.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	456.7	92.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	349.7	64.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	296.2	46.4	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	356.8	35.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	635.2	32.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1020.5	32.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1141.9	32.1	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	892.1	28.5	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	488.9	25.0	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	246.2	17.8	7.1	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	103.5	14.3	7.1	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
82.5°	35.7	14.3	7.1	7.1	3.6	3.6	0.0	0.0	0.0	0.0	0.0
85°	17.8	10.7	10.7	7.1	7.1	3.6	3.6	0.0	0.0	0.0	0.0
87.5°	10.7	10.7	10.7	7.1	7.1	3.6	3.6	0.0	0.0	0.0	3.6
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
 CIE u' : 0.2386
 CIE v' : 0.5156
 Duv: 0.0013
 CIE x: 0.4143
 CIE y: 0.3980
 CIE z: 0.1877
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 43.80166
 R_f: 71.4
 R_g: 96

CRI (Ra): 70.1
 R1: 66.6
 R2: 77.6
 R3: 88.5
 R4: 69.5
 R5: 66.4
 R6: 69.6
 R7: 77.5
 R8: 44.9
 R9: -40.2
 R10: 49.1
 R11: 66.3
 R12: 45.7
 R13: 68.0
 R14: 93.4
 R15: 57.6



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

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3500K 4-step quadrangle

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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	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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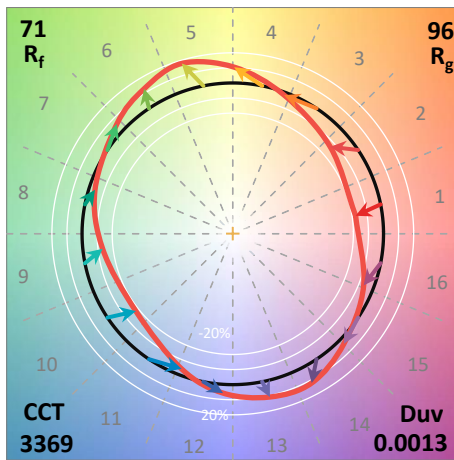
TM-30-18

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)