

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: P1067021

Luminaire Tested: **NAV-SA5A-735-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067021
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5A-735-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 5xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (70) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17223.6 lumens
Efficiency: N/A
Efficacy: 125.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 137.4
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

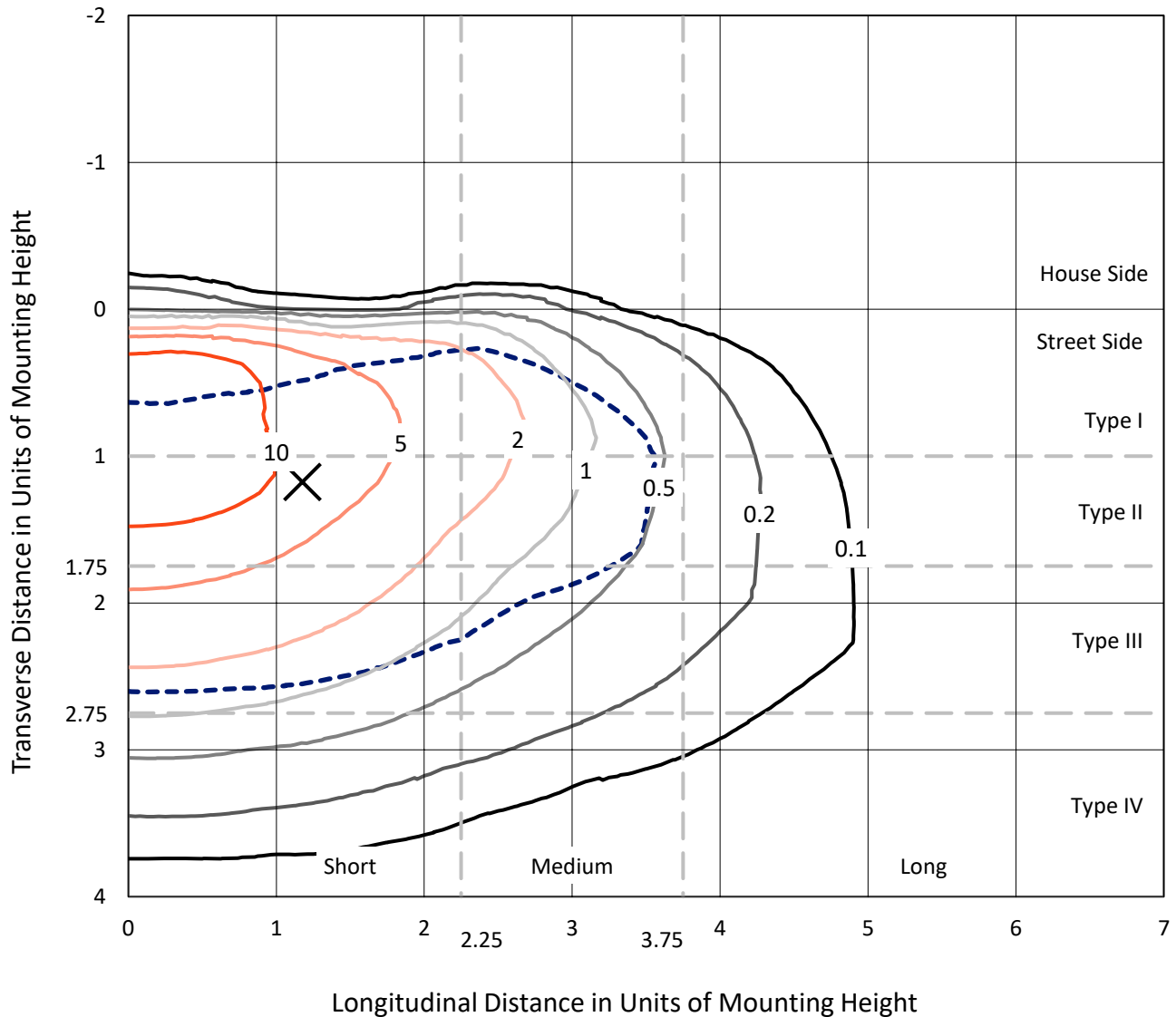


REPORT NUMBER: P1067021

CATALOG NUMBER: NAV-SA5A-735-U-T3BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

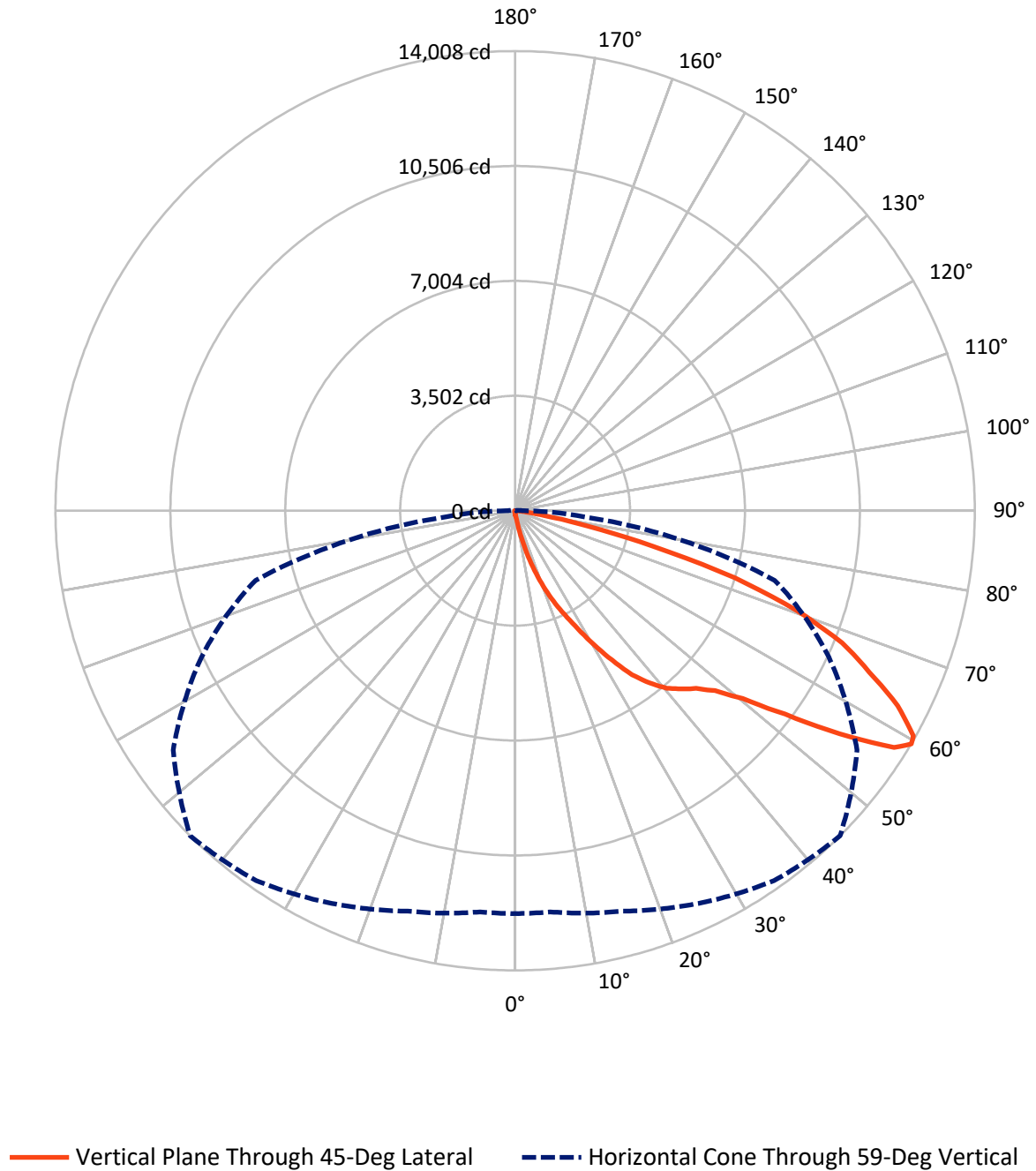


Based on 15 foot mounting height. Maximum calculated value = 18.8 fc
Type III - Short - N/A

REPORT NUMBER: P1067021

CATALOG NUMBER: NAV-SA5A-735-U-T3BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067021

CATALOG NUMBER: NAV-SA5A-735-U-T3BC

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	61.2	0.0	61.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17162.5	0.0	17162.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	17223.6	0.0	17223.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.1
10°-20°	190.4	1.1
20°-30°	684.0	4.0
30°-40°	1589.5	9.2
40°-50°	2709.2	15.7
50°-60°	4464.0	25.9
60°-70°	5161.4	30.0
70°-80°	2217.5	12.9
80°-90°	191.6	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°	17223.6	100.0
0°-180°	17223.6	100.0



REPORT NUMBER: P1067021

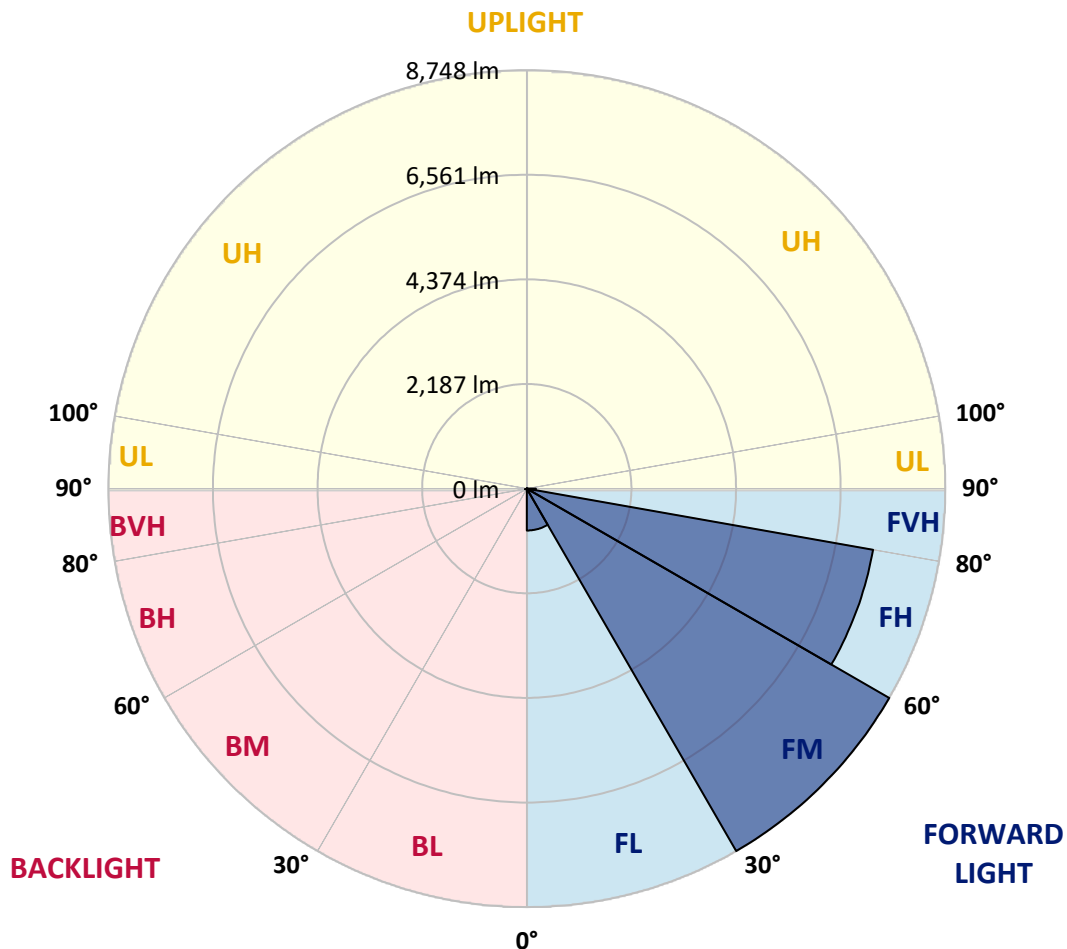
CATALOG NUMBER: NAV-SA5A-735-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	875.3	5.1			
FM	(30°-60°)	8747.9	50.8			
FH	(60°-80°)	7350.1	42.7			G3/7500
FVH	(80°-90°)	189.1	1.1			G2/225
BL	(0°-30°)	15.1	0.1	B0/110		
BM	(30°-60°)	14.8	0.1	B0/220		
BH	(60°-80°)	28.8	0.2	B0/110		G0/110
BVH	(80°-90°)	2.5	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



REPORT NUMBER: P1067021

CATALOG NUMBER: NAV-SA5A-735-U-T3BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
2.5°	141.3	141.3	137.8	133.2	132.0	128.6	128.6	125.1	120.4	117.0	112.3
5°	205.0	203.8	194.6	183.0	167.9	158.7	158.7	145.9	134.3	123.9	114.7
7.5°	448.2	437.8	404.2	348.6	275.6	227.0	223.5	181.8	154.0	133.2	115.8
10°	1028.4	992.5	945.0	811.8	599.9	419.2	411.1	265.2	184.1	143.6	118.1
12.5°	1685.1	1714.0	1619.1	1409.4	1161.6	864.0	806.1	447.0	243.2	157.5	120.4
15°	2282.7	2275.7	2222.4	2051.0	1765.0	1368.9	1333.0	777.1	348.6	179.5	122.8
17.5°	2729.7	2721.6	2670.6	2560.6	2340.6	1944.5	1913.2	1239.2	546.6	210.8	125.1
20°	3201.1	3190.6	3118.8	3030.8	2838.6	2501.5	2464.5	1755.7	855.9	261.7	125.1
22.5°	3766.2	3746.5	3670.1	3520.7	3318.0	3025.0	2991.4	2283.8	1239.2	345.1	130.9
25°	4449.5	4415.9	4310.5	4176.2	3931.8	3542.7	3506.8	2872.1	1701.3	471.4	136.7
27.5°	5228.9	5234.7	5092.3	4865.3	4537.5	4140.3	4073.1	3399.1	2179.6	652.0	143.6
30°	6154.3	6096.4	5896.0	5632.0	5313.5	4807.4	4742.5	3923.7	2717.0	918.4	155.2
32.5°	7020.5	6958.0	6688.2	6355.8	6014.1	5480.2	5427.0	4513.2	3205.7	1233.4	176.0
35°	7764.1	7720.0	7342.5	6937.2	6633.7	6156.6	6140.4	5171.0	3780.1	1572.7	199.2
37.5°	8418.4	8338.5	7853.2	7432.8	7124.8	6697.4	6662.7	5773.2	4333.7	1966.5	233.9
40°	8976.6	8932.6	8340.8	7788.4	7538.2	7156.0	7112.0	6301.3	4905.8	2424.0	276.8
42.5°	9574.2	9516.3	8941.9	8322.3	7861.3	7452.5	7423.6	6736.8	5415.4	2926.6	340.5
45°	10249.4	10141.7	9637.9	9082.0	8381.3	7759.4	7727.0	7124.8	5937.7	3466.3	418.1
47.5°	10970.9	10877.1	10469.4	10079.1	9273.1	8265.5	8196.0	7454.8	6456.5	4089.3	516.5
50°	11705.1	11707.5	11401.7	11214.1	10362.9	9087.8	8989.3	7940.1	7002.0	4756.4	662.4
52.5°	12559.8	12581.8	12577.2	12438.2	11778.1	10432.4	10300.3	8676.7	7635.5	5534.7	864.0
55°	12917.7	12957.1	13213.0	13521.1	13341.6	12137.1	11995.8	9947.1	8475.1	6402.1	1162.8
57.5°	12624.7	12668.7	13021.9	13561.6	13973.9	13629.9	13613.7	11600.9	9581.1	7453.7	1651.5
59°	12276.1	12270.3	12632.8	13204.9	13760.8	13984.3	14007.5	12719.7	10544.7	8191.4	2073.0
60°	12044.5	12049.1	12290.0	12877.2	13467.8	13855.8	13946.1	13378.6	11107.6	8721.8	2434.4
62.5°	11150.4	11203.7	11394.8	11940.2	12500.8	12933.9	13087.9	13965.8	12718.5	9974.9	3690.9
65°	10178.7	10182.2	10454.4	10921.1	11458.5	11763.1	11860.3	13052.0	13794.4	11251.2	5338.9
67.5°	8445.0	8515.7	8824.9	9581.1	10291.1	10676.7	10750.9	11361.2	13348.5	12082.7	6164.7
70°	5909.9	6002.5	6443.8	7424.7	8482.1	9115.6	9111.0	9444.5	11748.0	11712.1	5226.6
72.5°	2950.9	3110.7	3470.9	4521.3	5802.2	6797.0	7006.6	7597.3	9437.5	9728.2	3899.4
75°	1304.0	1313.3	1518.3	2047.6	2883.7	4147.2	4334.9	6030.3	7240.6	6761.1	2816.6
77.5°	758.6	765.5	802.6	919.5	1168.5	2032.5	2243.3	3955.0	5116.6	3929.5	1836.8
80°	275.6	282.6	281.4	348.6	511.9	800.3	891.8	1916.7	3413.0	2069.6	962.4
82.5°	169.1	169.1	163.3	164.5	186.5	306.9	335.9	816.5	1661.9	1019.1	275.6
85°	83.4	88.0	93.8	105.4	125.1	151.7	161.0	233.9	559.4	246.7	66.0
87.5°	49.8	51.0	55.6	67.2	83.4	108.9	115.8	158.7	200.4	165.6	16.2
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: P1067021

CATALOG NUMBER: NAV-SA5A-735-U-T3BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
2.5°	110.0	108.9	103.1	98.4	93.8	89.2	85.7	82.2	82.2	83.4	82.2
5°	110.0	105.4	96.1	88.0	81.1	75.3	69.5	64.9	63.7	63.7	64.9
7.5°	108.9	103.1	90.3	79.9	70.6	62.5	56.7	51.0	49.8	51.0	49.8
10°	107.7	100.8	85.7	73.0	60.2	52.1	44.0	38.2	38.2	38.2	39.4
12.5°	107.7	97.3	81.1	66.0	52.1	42.9	34.7	29.0	27.8	27.8	27.8
15°	106.5	95.0	76.4	57.9	44.0	32.4	25.5	19.7	19.7	19.7	19.7
17.5°	104.2	91.5	70.6	51.0	34.7	24.3	17.4	11.6	11.6	13.9	13.9
20°	101.9	88.0	63.7	41.7	29.0	18.5	11.6	6.9	6.9	10.4	11.6
22.5°	103.1	88.0	59.1	37.1	23.2	13.9	9.3	5.8	4.6	8.1	10.4
25°	104.2	85.7	53.3	32.4	17.4	10.4	6.9	2.3	1.2	2.3	3.5
27.5°	104.2	83.4	46.3	25.5	12.7	8.1	3.5	0.0	0.0	0.0	0.0
30°	103.1	79.9	40.5	20.8	9.3	4.6	1.2	0.0	0.0	0.0	0.0
32.5°	101.9	76.4	37.1	16.2	8.1	2.3	0.0	0.0	0.0	0.0	0.0
35°	103.1	71.8	32.4	12.7	4.6	0.0	0.0	0.0	0.0	0.0	2.3
37.5°	106.5	67.2	27.8	10.4	3.5	0.0	0.0	0.0	0.0	0.0	0.0
40°	111.2	63.7	23.2	8.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	120.4	63.7	20.8	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	132.0	63.7	17.4	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	147.1	64.9	15.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	165.6	67.2	13.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	179.5	64.9	12.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	203.8	62.5	11.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	236.3	59.1	11.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	268.7	54.4	11.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	305.7	52.1	10.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	504.9	46.3	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	975.1	44.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1576.2	44.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1657.3	44.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1102.5	35.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	590.6	32.4	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	318.5	30.1	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	140.1	22.0	5.8	3.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	55.6	15.1	6.9	5.8	4.6	2.3	0.0	0.0	0.0	0.0	0.0
85°	26.6	11.6	9.3	8.1	5.8	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	11.6	10.4	9.3	8.1	5.8	1.2	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: SP1-2407-184-5

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

REPORT NUMBER: SP1-2407-184-5

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			

REPORT NUMBER: SP1-2407-184-5

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			

REPORT NUMBER: SP1-2407-184-5

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			

REPORT NUMBER: SP1-2407-184-5

TM-30-18

Summary

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



Color Vector Graphics

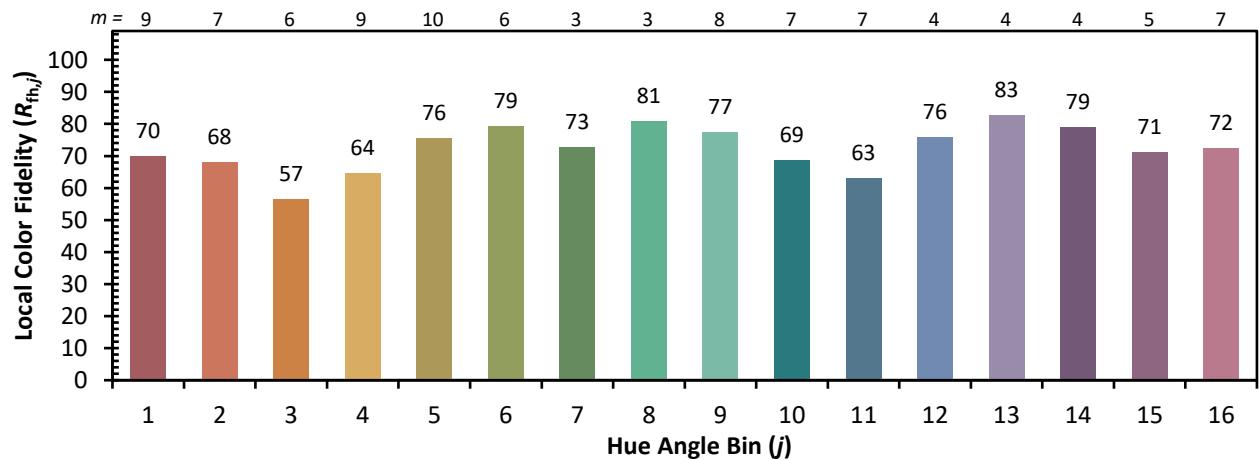
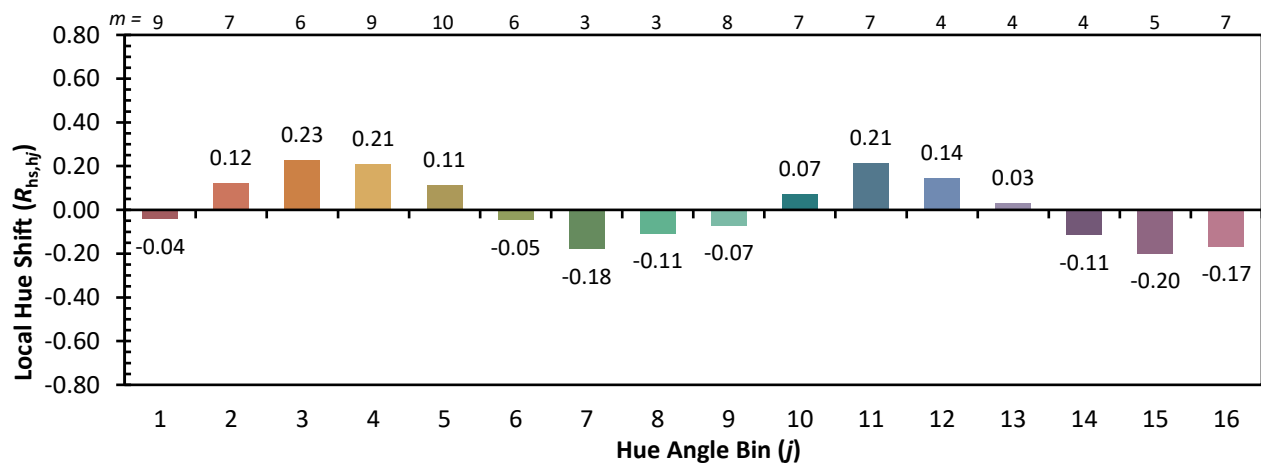
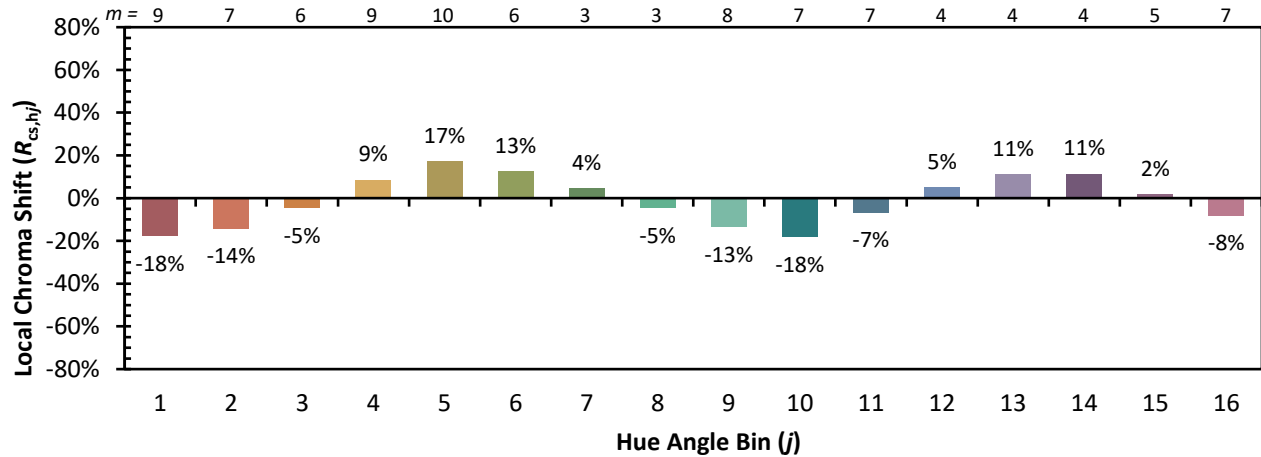


Individual Sample Fidelity Index ($R_{f,i}$)

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)