

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: P1067494

Luminaire Tested: **NAV-SA3B-735-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067494
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3B-735-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
70CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12448.1 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 106.2
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

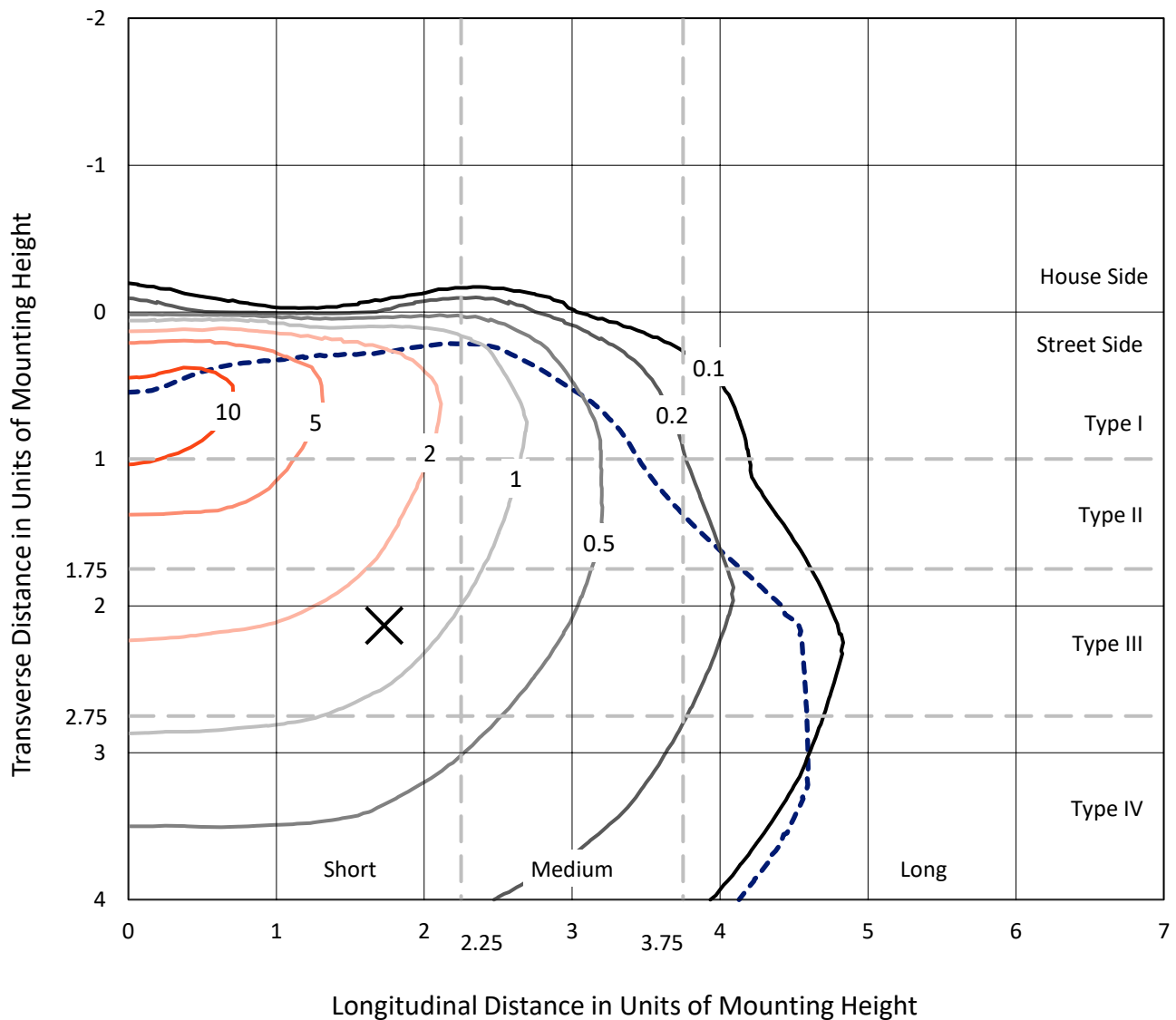


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

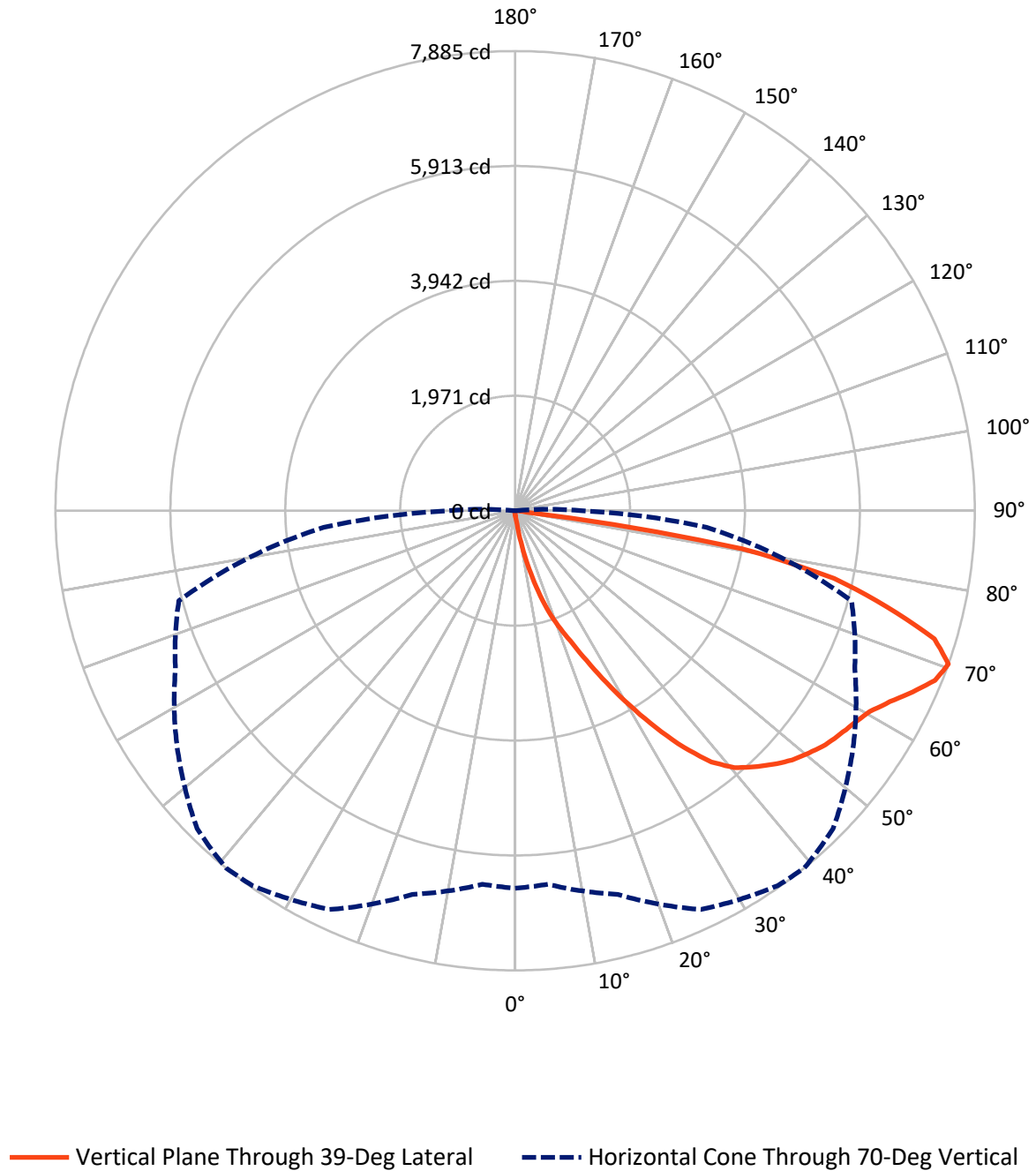


Based on 15 foot mounting height. Maximum calculated value = 13.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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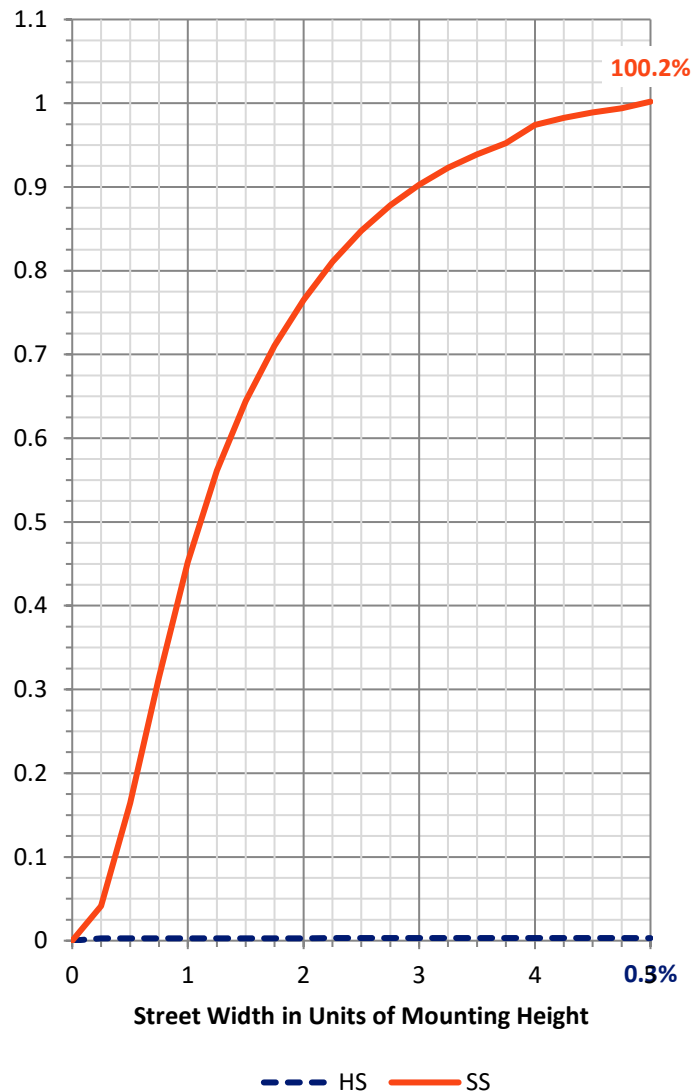
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38.3	0.0	38.3
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	12409.7	0.0	12409.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	12448.1	0.0	12448.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.1
10°-20°	153.0	1.2
20°-30°	519.3	4.2
30°-40°	1220.5	9.8
40°-50°	1981.8	15.9
50°-60°	2511.4	20.2
60°-70°	3190.1	25.6
70°-80°	2592.0	20.8
80°-90°	266.9	2.1
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°	12448.1	100.0
0°-180°	12448.1	100.0



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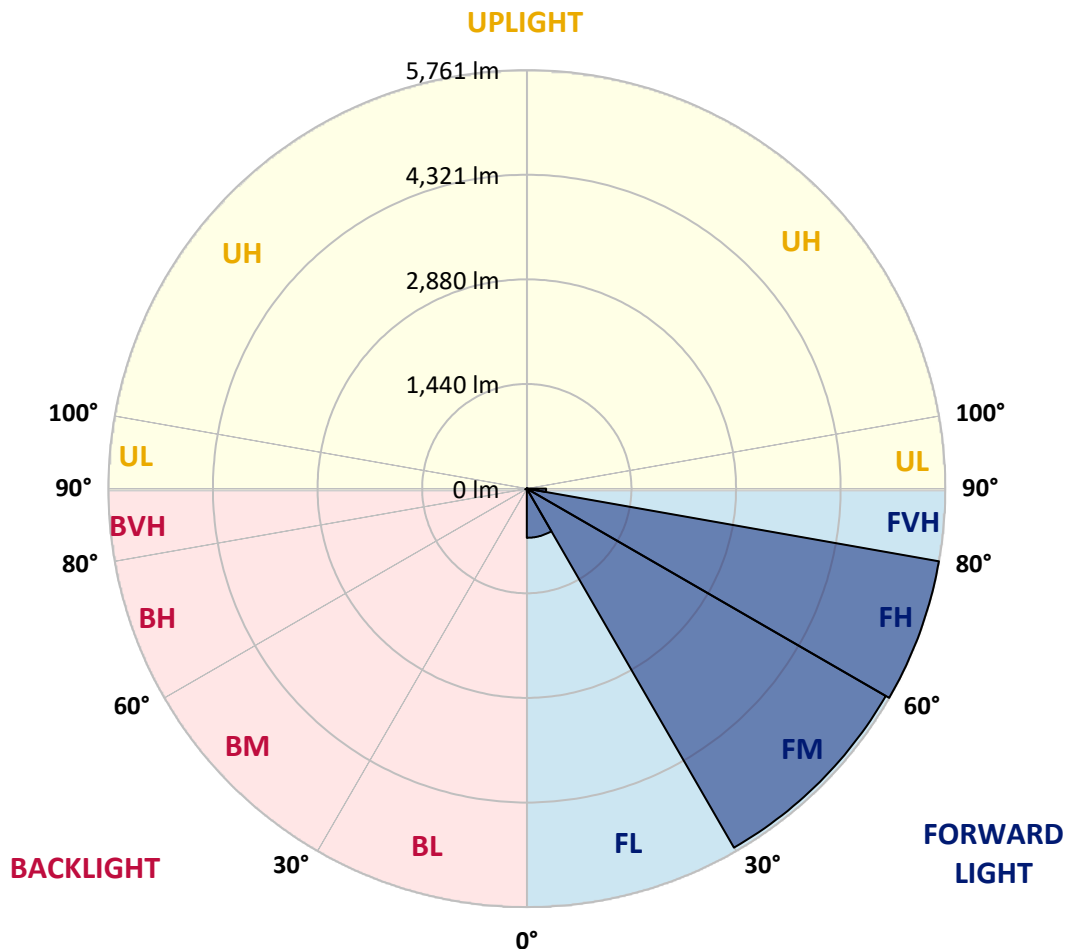
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	677.2	5.4			
FM	(30°-60°)	5706.3	45.8			
FH	(60°-80°)	5761.0	46.3			G3/7500
FVH	(80°-90°)	265.3	2.1			G3/500
BL	(0°-30°)	8.3	0.1	B0/110		
BM	(30°-60°)	7.4	0.1	B0/220		
BH	(60°-80°)	21.1	0.2	B0/110		G0/110
BVH	(80°-90°)	1.6	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	87.9	87.9	87.9	84.5	84.5	81.1	81.1	77.7	74.4	74.4	71.0
5°	165.6	169.0	158.8	138.6	125.0	118.3	111.5	94.6	84.5	77.7	71.0
7.5°	452.9	439.3	419.1	351.5	270.4	229.8	196.0	138.6	101.4	81.1	71.0
10°	953.1	915.9	858.4	767.2	608.3	544.1	422.5	253.5	141.9	91.2	71.0
12.5°	1399.2	1405.9	1334.9	1247.1	1054.4	946.3	780.7	476.5	223.1	108.1	71.0
15°	1737.1	1730.4	1703.3	1632.4	1460.0	1355.2	1206.5	801.0	375.1	135.2	74.4
17.5°	2004.1	1977.1	1966.9	1936.5	1825.0	1767.5	1605.3	1179.5	594.8	182.5	77.7
20°	2271.1	2264.3	2254.2	2220.4	2146.1	2105.5	1980.5	1561.4	885.5	260.2	84.5
22.5°	2659.8	2622.6	2629.3	2555.0	2494.2	2423.2	2321.8	1966.9	1220.0	371.8	94.6
25°	3116.0	3112.6	3058.6	3024.8	2923.4	2845.6	2710.5	2359.0	1591.8	537.4	104.8
27.5°	3653.4	3616.2	3592.5	3535.1	3430.3	3342.4	3156.6	2747.6	1994.0	723.2	118.3
30°	4214.4	4214.4	4170.4	4082.6	3981.2	3873.0	3683.8	3156.6	2392.8	959.8	135.2
32.5°	4870.0	4883.5	4775.4	4643.6	4511.8	4437.4	4190.7	3619.6	2774.7	1230.2	155.5
35°	5505.4	5488.5	5309.4	5164.1	5066.0	4984.9	4775.4	4126.5	3207.3	1544.5	182.5
37.5°	6113.7	6069.8	5772.4	5566.2	5522.3	5468.2	5258.7	4633.5	3636.5	1892.6	216.3
40°	6549.7	6482.1	6174.6	5890.7	5826.5	5796.0	5633.8	5093.1	4089.3	2281.2	260.2
42.5°	6739.0	6661.2	6448.3	6218.5	6076.5	6005.6	5863.6	5468.2	4542.2	2713.8	324.4
45°	6776.1	6715.3	6563.2	6509.1	6316.5	6208.4	6015.7	5735.2	4964.7	3143.0	412.3
47.5°	6640.9	6613.9	6522.7	6637.6	6539.6	6390.9	6157.7	5934.6	5339.8	3663.5	534.0
50°	6309.7	6289.5	6333.4	6634.2	6701.8	6532.8	6313.1	6090.1	5664.2	4200.9	706.3
52.5°	5863.6	5860.3	6066.4	6546.3	6772.7	6668.0	6465.2	6245.5	5921.1	4721.3	949.7
55°	5377.0	5434.4	5796.0	6465.2	6813.3	6766.0	6613.9	6384.1	6150.9	5204.6	1341.7
57.5°	5336.4	5312.8	5660.9	6431.4	6837.0	6864.0	6762.6	6529.4	6346.9	5600.0	1865.5
60°	5742.0	5687.9	5819.7	6502.4	6941.7	6989.0	6911.3	6640.9	6542.9	5910.9	2555.0
62.5°	6211.7	6161.0	6228.6	6776.1	7147.9	7215.5	7117.5	6755.8	6701.8	6127.2	3295.1
65°	6586.9	6546.3	6674.7	7185.1	7435.2	7492.6	7425.0	6968.8	6772.7	6303.0	3896.7
67.5°	6647.7	6597.0	6864.0	7458.8	7725.8	7766.4	7712.3	7174.9	6749.1	6316.5	4035.3
70°	6475.3	6431.4	6813.3	7546.7	7850.8	7884.6	7712.3	7076.9	6428.0	5971.8	3298.5
72.5°	5944.7	5978.5	6472.0	7333.8	7678.5	7523.0	7158.0	6583.5	6012.3	5062.7	2315.0
75°	5120.1	5157.3	5812.9	6749.1	6776.1	6586.9	6390.9	6056.3	5380.3	3335.7	1605.3
77.5°	3639.8	3508.0	4488.1	5573.0	5475.0	5596.6	5613.5	5039.0	4505.0	1737.1	1074.7
80°	358.2	304.2	564.4	1598.6	3531.7	3947.4	4109.6	3883.2	3322.2	777.3	564.4
82.5°	77.7	77.7	84.5	91.2	141.9	212.9	976.7	2392.8	2146.1	395.4	182.5
85°	43.9	43.9	54.1	64.2	84.5	94.6	111.5	148.7	577.9	141.9	33.8
87.5°	33.8	37.2	43.9	54.1	71.0	77.7	94.6	118.3	145.3	131.8	10.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
2.5°	71.0	67.6	64.2	60.8	57.5	57.5	54.1	54.1	54.1	54.1	54.1
5°	67.6	64.2	60.8	54.1	50.7	47.3	43.9	43.9	43.9	43.9	43.9
7.5°	67.6	64.2	57.5	50.7	43.9	40.6	37.2	33.8	33.8	37.2	37.2
10°	67.6	60.8	50.7	43.9	37.2	33.8	30.4	27.0	27.0	27.0	27.0
12.5°	64.2	57.5	47.3	40.6	33.8	27.0	20.3	16.9	16.9	16.9	16.9
15°	60.8	54.1	43.9	33.8	23.7	16.9	13.5	10.1	10.1	10.1	10.1
17.5°	60.8	50.7	40.6	30.4	16.9	10.1	6.8	3.4	3.4	3.4	6.8
20°	60.8	50.7	37.2	23.7	10.1	6.8	6.8	3.4	0.0	3.4	3.4
22.5°	60.8	47.3	30.4	16.9	10.1	6.8	3.4	0.0	0.0	0.0	0.0
25°	64.2	47.3	27.0	13.5	6.8	3.4	0.0	0.0	0.0	0.0	0.0
27.5°	64.2	43.9	23.7	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0
30°	67.6	43.9	20.3	6.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	67.6	40.6	13.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	67.6	37.2	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	67.6	33.8	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	71.0	30.4	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	74.4	27.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	77.7	23.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	87.9	23.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	101.4	23.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	121.7	23.7	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	158.8	20.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	229.8	20.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	385.3	20.3	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	675.9	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1142.3	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1490.4	23.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1132.2	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	540.7	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	240.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	104.8	10.1	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	40.6	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
82.5°	16.9	6.8	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
85°	10.1	6.8	6.8	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0
87.5°	6.8	6.8	6.8	6.8	6.8	3.4	3.4	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

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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

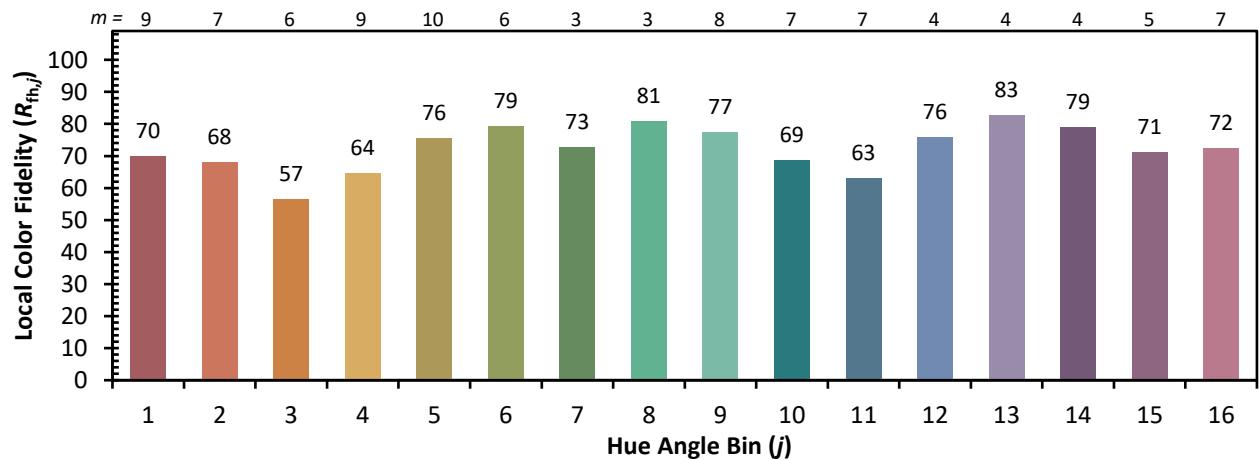
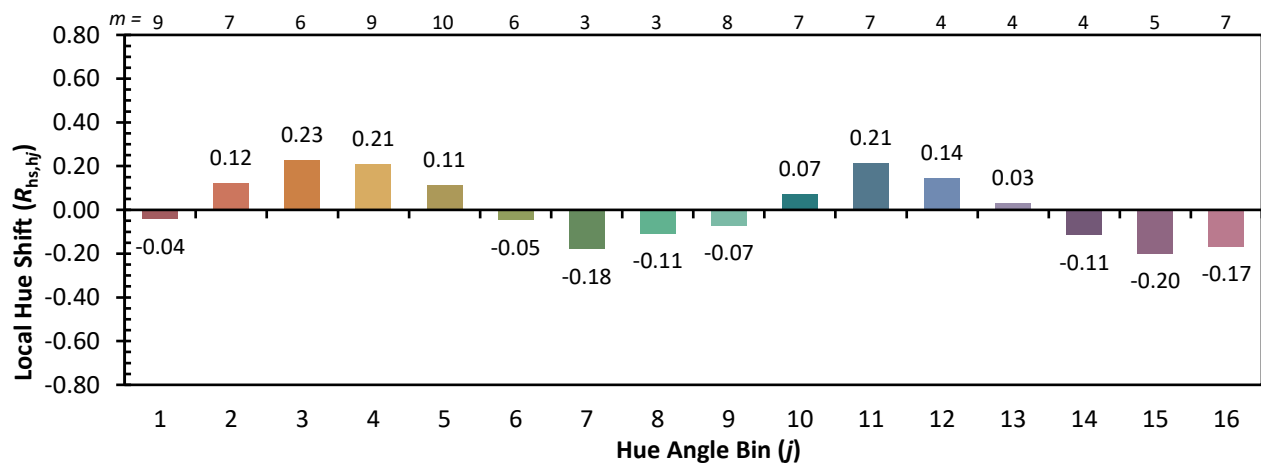
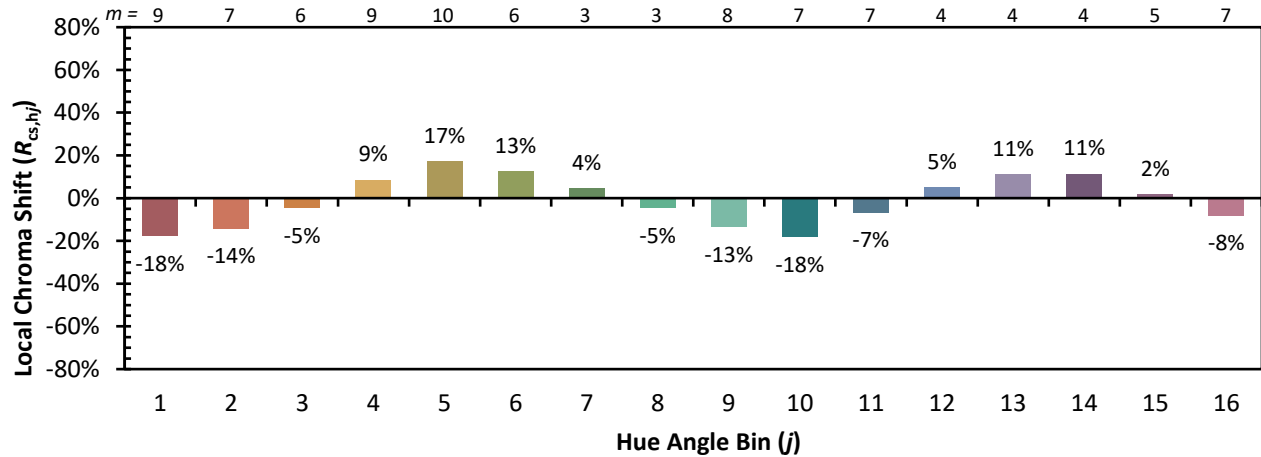


Individual Sample Fidelity Index ($R_{f,i}$)

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)