

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: P1067614

Luminaire Tested: **NAV-SA3B-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067614
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3B-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11738.7 lumens
Efficiency: N/A
Efficacy: 110.5 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

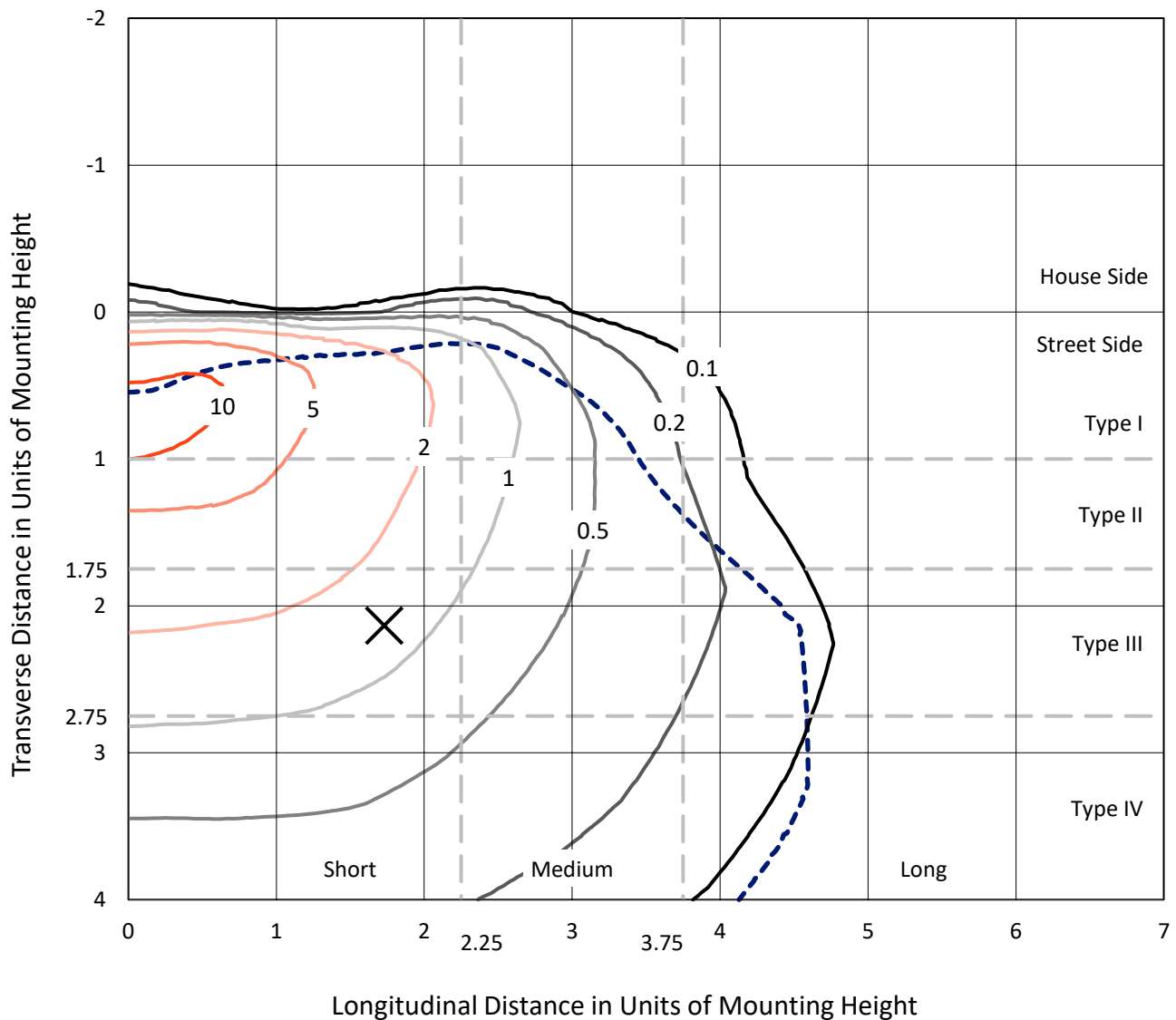


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

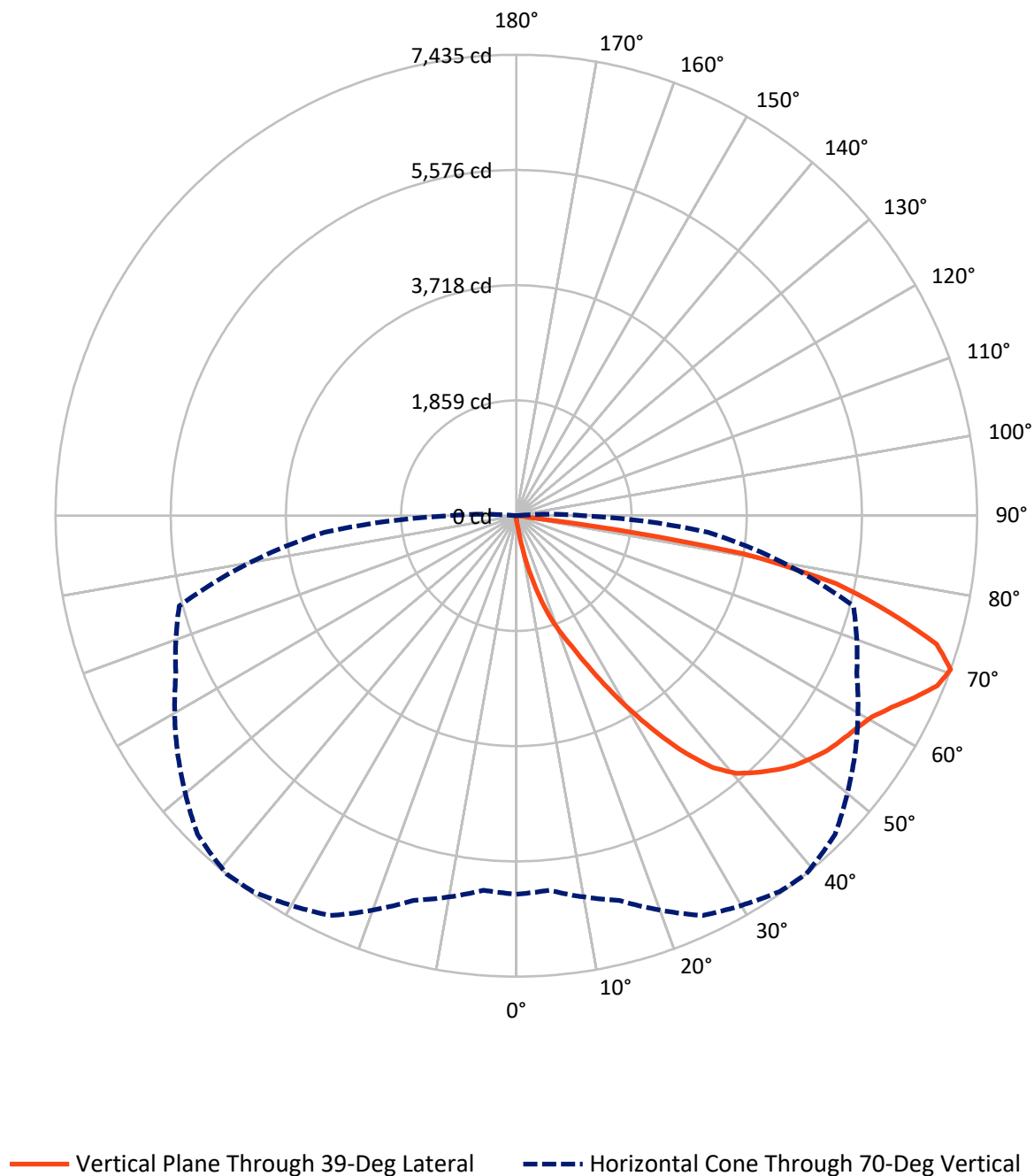


Based on 15 foot mounting height. Maximum calculated value = 12.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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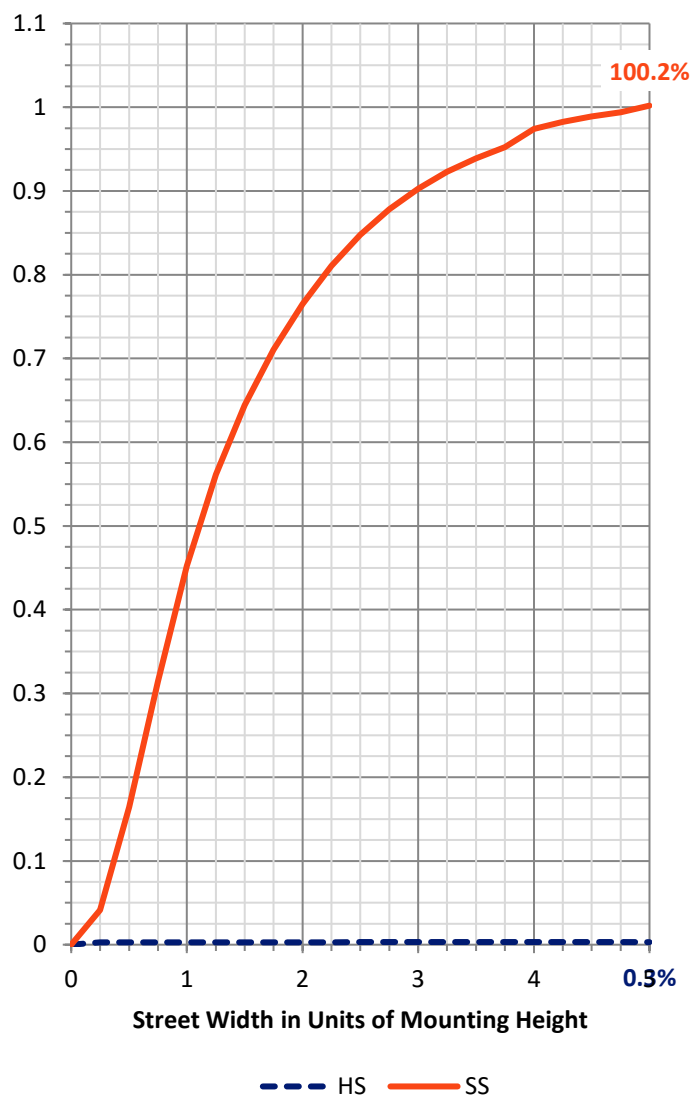
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.2	0.0	36.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	11702.5	0.0	11702.5
	% Fixture	99.7	0.0	99.7
Total	Lumens	11738.7	0.0	11738.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.3	0.1
10°-20°	144.3	1.2
20°-30°	489.7	4.2
30°-40°	1150.9	9.8
40°-50°	1868.9	15.9
50°-60°	2368.2	20.2
60°-70°	3008.3	25.6
70°-80°	2444.2	20.8
80°-90°	251.7	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°	11738.7	100.0
0°-180°	11738.7	100.0



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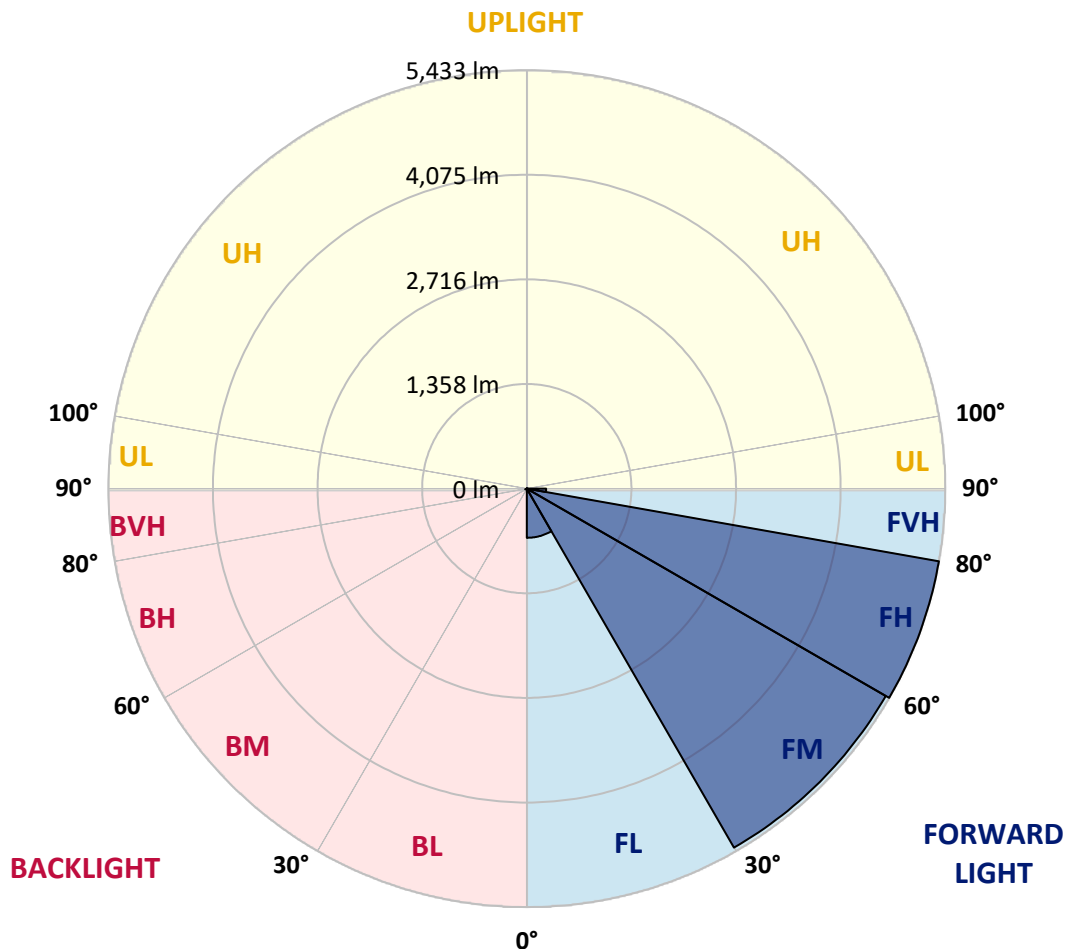
CATALOG NUMBER: NAV-SA3B-835-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	638.6	5.4			
FM	(30°-60°)	5381.1	45.8			
FH	(60°-80°)	5432.7	46.3			G3/7500
FVH	(80°-90°)	250.2	2.1			G3/500
BL	(0°-30°)	7.8	0.1	B0/110		
BM	(30°-60°)	6.9	0.1	B0/220		
BH	(60°-80°)	19.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.5	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 IV Short



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CATALOG NUMBER: NAV-SA3B-835-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
2.5°	82.9	82.9	82.9	79.7	79.7	76.5	76.5	73.3	70.1	70.1	66.9
5°	156.2	159.4	149.8	130.7	117.9	111.5	105.2	89.2	79.7	73.3	66.9
7.5°	427.1	414.3	395.2	331.4	255.0	216.7	184.8	130.7	95.6	76.5	66.9
10°	898.7	863.7	809.5	723.5	573.7	513.1	398.4	239.0	133.9	86.0	66.9
12.5°	1319.4	1325.8	1258.9	1176.0	994.3	892.4	736.2	449.4	210.3	102.0	66.9
15°	1638.1	1631.8	1606.3	1539.3	1376.8	1278.0	1137.8	755.3	353.8	127.5	70.1
17.5°	1889.9	1864.4	1854.8	1826.2	1721.0	1666.8	1513.8	1112.3	560.9	172.1	73.3
20°	2141.7	2135.3	2125.7	2093.9	2023.8	1985.5	1867.6	1472.4	835.0	245.4	79.7
22.5°	2508.2	2473.1	2479.5	2409.4	2352.0	2285.1	2189.5	1854.8	1150.5	350.6	89.2
25°	2938.4	2935.2	2884.2	2852.4	2756.8	2683.5	2556.0	2224.5	1501.1	506.7	98.8
27.5°	3445.2	3410.1	3387.8	3333.6	3234.8	3152.0	2976.7	2591.0	1880.3	682.0	111.5
30°	3974.2	3974.2	3932.8	3849.9	3754.3	3652.3	3473.8	2976.7	2256.4	905.1	127.5
32.5°	4592.5	4605.2	4503.2	4379.0	4254.7	4184.5	3951.9	3413.3	2616.5	1160.1	146.6
35°	5191.6	5175.7	5006.8	4869.8	4777.3	4700.8	4503.2	3891.3	3024.5	1456.5	172.1
37.5°	5765.3	5723.9	5443.4	5249.0	5207.6	5156.6	4959.0	4369.4	3429.2	1784.7	204.0
40°	6176.4	6112.7	5822.7	5555.0	5494.4	5465.7	5312.8	4802.8	3856.3	2151.2	245.4
42.5°	6354.9	6281.6	6080.8	5864.1	5730.2	5663.3	5529.5	5156.6	4283.3	2559.2	306.0
45°	6390.0	6332.6	6189.2	6138.2	5956.5	5854.5	5672.9	5408.4	4681.7	2963.9	388.8
47.5°	6262.5	6237.0	6150.9	6259.3	6166.9	6026.6	5806.7	5596.4	5035.5	3454.7	503.5
50°	5950.2	5931.0	5972.5	6256.1	6319.8	6160.5	5953.3	5743.0	5341.4	3961.5	666.1
52.5°	5529.5	5526.3	5720.7	6173.2	6386.8	6288.0	6096.8	5889.6	5583.6	4452.3	895.6
55°	5070.5	5124.7	5465.7	6096.8	6425.0	6380.4	6237.0	6020.3	5800.4	4908.0	1265.2
57.5°	5032.3	5010.0	5338.2	6064.9	6447.3	6472.8	6377.2	6157.3	5985.2	5280.9	1759.2
60°	5414.7	5363.7	5488.0	6131.8	6546.1	6590.7	6517.4	6262.5	6170.1	5574.1	2409.4
62.5°	5857.7	5809.9	5873.7	6390.0	6740.5	6804.3	6711.8	6370.8	6319.8	5778.1	3107.3
65°	6211.5	6173.2	6294.4	6775.6	7011.4	7065.6	7001.9	6571.6	6386.8	5943.8	3674.6
67.5°	6268.9	6221.0	6472.8	7033.7	7285.5	7323.8	7272.8	6766.0	6364.5	5956.5	3805.3
70°	6106.3	6064.9	6425.0	7116.6	7403.4	7435.3	7272.8	6673.6	6061.7	5631.5	3110.5
72.5°	5606.0	5637.8	6103.1	6915.8	7240.9	7094.3	6750.1	6208.3	5669.7	4774.1	2183.1
75°	4828.3	4863.4	5481.7	6364.5	6390.0	6211.5	6026.6	5711.1	5073.7	3145.6	1513.8
77.5°	3432.4	3308.1	4232.4	5255.4	5163.0	5277.7	5293.6	4751.8	4248.3	1638.1	1013.5
80°	337.8	286.8	532.2	1507.5	3330.4	3722.4	3875.4	3661.9	3132.8	733.0	532.2
82.5°	73.3	73.3	79.7	86.0	133.9	200.8	921.0	2256.4	2023.8	372.9	172.1
85°	41.4	41.4	51.0	60.6	79.7	89.2	105.2	140.2	545.0	133.9	31.9
87.5°	31.9	35.1	41.4	51.0	66.9	73.3	89.2	111.5	137.0	124.3	9.6
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-SA3B-835-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
2.5°	66.9	63.7	60.6	57.4	54.2	54.2	51.0	51.0	51.0	51.0	51.0
5°	63.7	60.6	57.4	51.0	47.8	44.6	41.4	41.4	41.4	41.4	41.4
7.5°	63.7	60.6	54.2	47.8	41.4	38.2	35.1	31.9	31.9	35.1	35.1
10°	63.7	57.4	47.8	41.4	35.1	31.9	28.7	25.5	25.5	25.5	25.5
12.5°	60.6	54.2	44.6	38.2	31.9	25.5	19.1	15.9	15.9	15.9	15.9
15°	57.4	51.0	41.4	31.9	22.3	15.9	12.7	9.6	9.6	9.6	9.6
17.5°	57.4	47.8	38.2	28.7	15.9	9.6	6.4	3.2	3.2	3.2	6.4
20°	57.4	47.8	35.1	22.3	9.6	6.4	6.4	3.2	0.0	3.2	3.2
22.5°	57.4	44.6	28.7	15.9	9.6	6.4	3.2	0.0	0.0	0.0	0.0
25°	60.6	44.6	25.5	12.7	6.4	3.2	0.0	0.0	0.0	0.0	0.0
27.5°	60.6	41.4	22.3	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0
30°	63.7	41.4	19.1	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	63.7	38.2	12.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	63.7	35.1	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	63.7	31.9	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	66.9	28.7	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	70.1	25.5	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	73.3	22.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	82.9	22.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	95.6	22.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	114.7	22.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	149.8	19.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	216.7	19.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	363.3	19.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	637.4	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1077.2	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1405.5	22.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1067.6	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	509.9	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	226.3	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	98.8	9.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	38.2	6.4	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
82.5°	15.9	6.4	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
85°	9.6	6.4	6.4	6.4	3.2	3.2	3.2	0.0	0.0	0.0	0.0
87.5°	6.4	6.4	6.4	6.4	6.4	3.2	3.2	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: SP1-2407-184-10

Test Date: 10/11/2024

Luminaire Tested: GSS-SB1A-835-U-5WQ

Data in this report applies to families of products including GSS-SB1A-835-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-10
 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-835-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K): 3411
 CIE u' : 0.2360
 CIE v' : 0.5189
 Duv: 0.0044
 CIE x: 0.4154
 CIE y: 0.4059
 CIE z: 0.1787
 Peak Wavelength (nm): 601
 Dominant Wavelength (nm): 579
 Purity: 46.51914
 R_f: 86.6
 R_g: 95.9

CRI (Ra): 83.5
 R1: 81.1
 R2: 88.9
 R3: 97.2
 R4: 83.8
 R5: 81.7
 R6: 86.9
 R7: 86.1
 R8: 62.2
 R9: 6.3
 R10: 75.4
 R11: 84.1
 R12: 69.7
 R13: 82.8
 R14: 98.5
 R15: 72.6



Test Conditions

Stabilization Time: 35M
 Operation Time: 1H 35M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-10

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 7-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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.48

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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Melanopic Flux vs. Wavelength


Melanopic Lumens: NR
M/P: 2.88

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	311	NR	620	903	NR	750	26	NR	880	1	NR
365	0	NR	495	376	NR	625	851	NR	755	22	NR	885	1	NR
370	0	NR	500	438	NR	630	797	NR	760	19	NR	890	0	NR
375	0	NR	505	491	NR	635	735	NR	765	16	NR	895	0	NR
380	0	NR	510	533	NR	640	672	NR	770	14	NR	900	0	NR
385	0	NR	515	566	NR	645	607	NR	775	12	NR	905	0	NR
390	0	NR	520	592	NR	650	546	NR	780	10	NR	910	0	NR
395	1	NR	525	608	NR	655	487	NR	785	9	NR	915	0	NR
400	3	NR	530	625	NR	660	429	NR	790	7	NR	920	0	NR
405	6	NR	535	642	NR	665	378	NR	795	6	NR	925	0	NR
410	12	NR	540	657	NR	670	329	NR	800	5	NR	930	0	NR
415	22	NR	545	677	NR	675	286	NR	805	5	NR	935	0	NR
420	43	NR	550	701	NR	680	248	NR	810	4	NR	940	0	NR
425	80	NR	555	728	NR	685	213	NR	815	3	NR	945	0	NR
430	140	NR	560	757	NR	690	184	NR	820	3	NR	950	0	NR
435	243	NR	565	793	NR	695	156	NR	825	3	NR	955	0	NR
440	412	NR	570	831	NR	700	134	NR	830	2	NR	960	0	NR
445	610	NR	575	872	NR	705	114	NR	835	2	NR	965	0	NR
450	597	NR	580	911	NR	710	97	NR	840	2	NR	970	0	NR
455	412	NR	585	944	NR	715	83	NR	845	1	NR	975	0	NR
460	330	NR	590	974	NR	720	70	NR	850	1	NR	980	0	NR
465	274	NR	595	992	NR	725	60	NR	855	1	NR	985	0	NR
470	211	NR	600	999	NR	730	51	NR	860	1	NR	990	0	NR
475	200	NR	605	992	NR	735	43	NR	865	1	NR	995	0	NR
480	220	NR	610	975	NR	740	36	NR	870	1	NR	1000	0	NR
485	255	NR	615	944	NR	745	31	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 86.6$
 $R_g = 95.9$
 $CIE R_a = 83.5$
 $R_9 = 6.3$



Color Vector Graphics

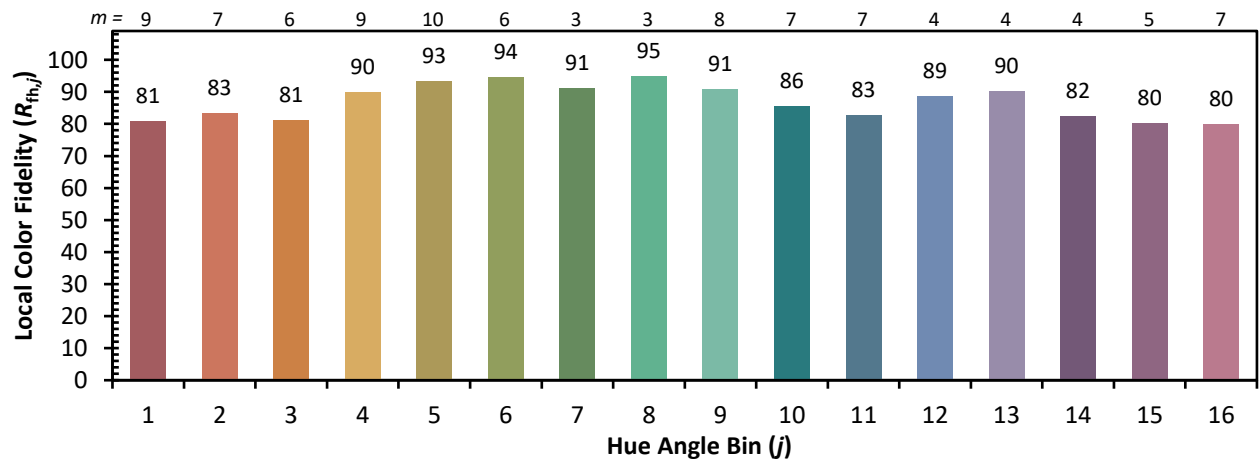
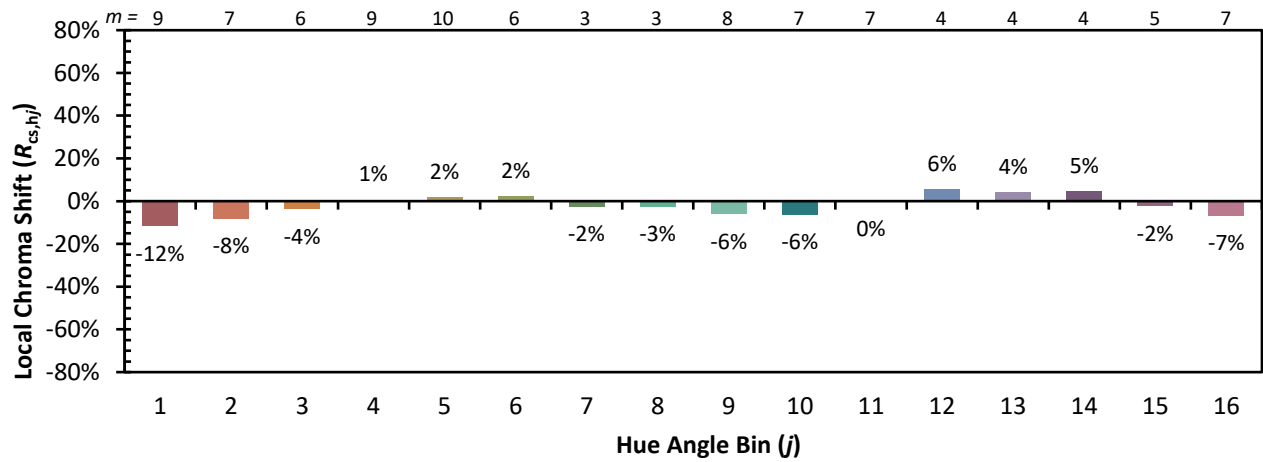


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 85	CES51 = 97	CES76 = 81
CES02 = 62	CES27 = 95	CES52 = 96	CES77 = 87
CES03 = 31	CES28 = 94	CES53 = 91	CES78 = 80
CES04 = 70	CES29 = 87	CES54 = 92	CES79 = 93
CES05 = 49	CES30 = 93	CES55 = 92	CES80 = 91
CES06 = 51	CES31 = 89	CES56 = 88	CES81 = 77
CES07 = 41	CES32 = 84	CES57 = 87	CES82 = 96
CES08 = 40	CES33 = 91	CES58 = 88	CES83 = 95
CES09 = 29	CES34 = 91	CES59 = 93	CES84 = 92
CES10 = 75	CES35 = 95	CES60 = 94	CES85 = 80
CES11 = 58	CES36 = 90	CES61 = 91	CES86 = 72
CES12 = 64	CES37 = 95	CES62 = 95	CES87 = 86
CES13 = 43	CES38 = 100	CES63 = 88	CES88 = 88
CES14 = 74	CES39 = 97	CES64 = 85	CES89 = 77
CES15 = 71	CES40 = 94	CES65 = 80	CES90 = 88
CES16 = 47	CES41 = 97	CES66 = 84	CES91 = 81
CES17 = 49	CES42 = 96	CES67 = 82	CES92 = 67
CES18 = 56	CES43 = 93	CES68 = 85	CES93 = 81
CES19 = 72	CES44 = 99	CES69 = 89	CES94 = 63
CES20 = 66	CES45 = 95	CES70 = 81	CES95 = 76
CES21 = 86	CES46 = 91	CES71 = 79	CES96 = 84
CES22 = 78	CES47 = 93	CES72 = 93	CES97 = 92
CES23 = 91	CES48 = 85	CES73 = 76	CES98 = 86
CES24 = 90	CES49 = 92	CES74 = 95	CES99 = 77
CES25 = 72	CES50 = 96	CES75 = 80	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)