

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: P1067613

Luminaire Tested: **NAV-SA3A-835-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067613
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA3A-835-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 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: 9391.7 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 82
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

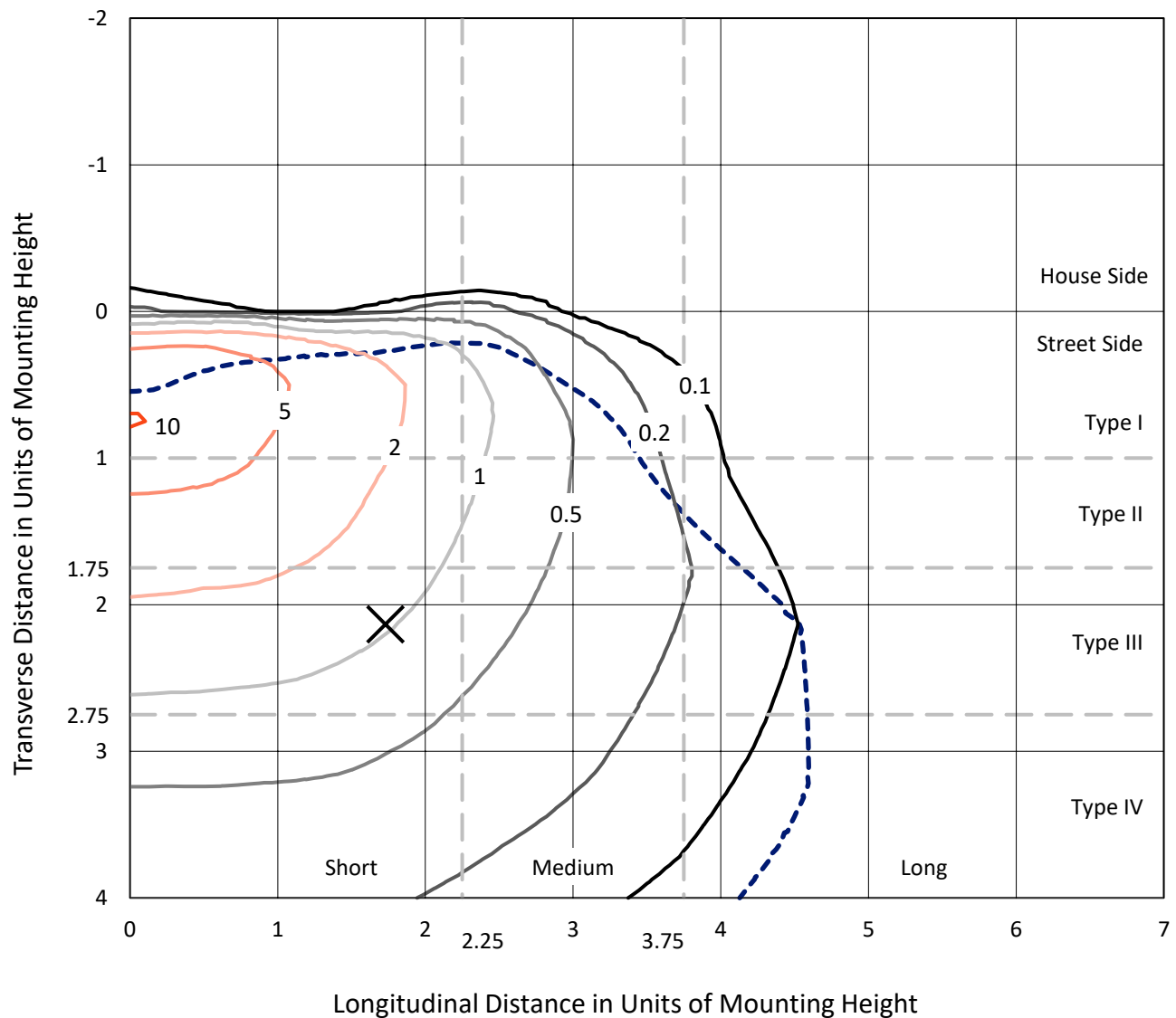


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

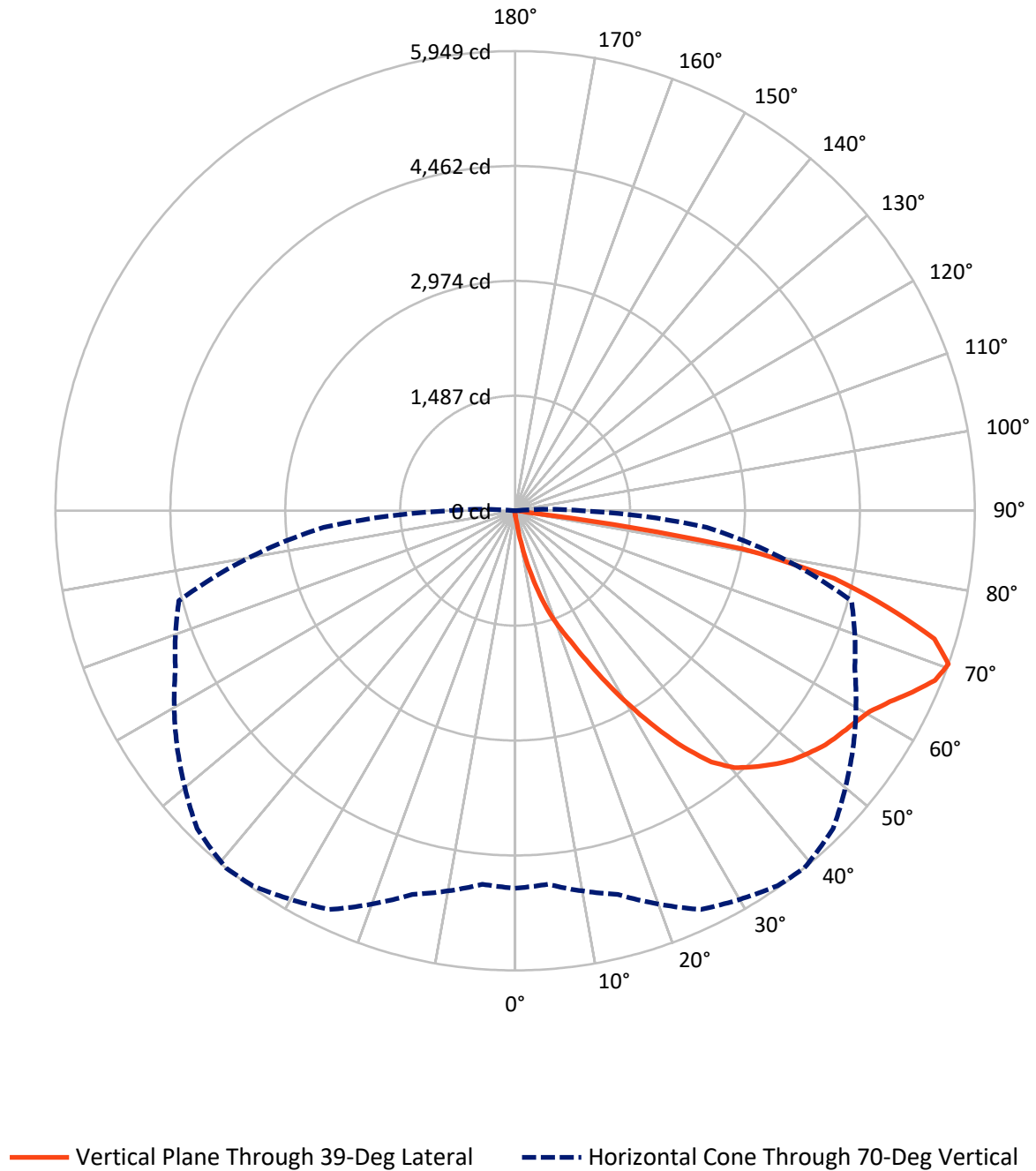


Based on 15 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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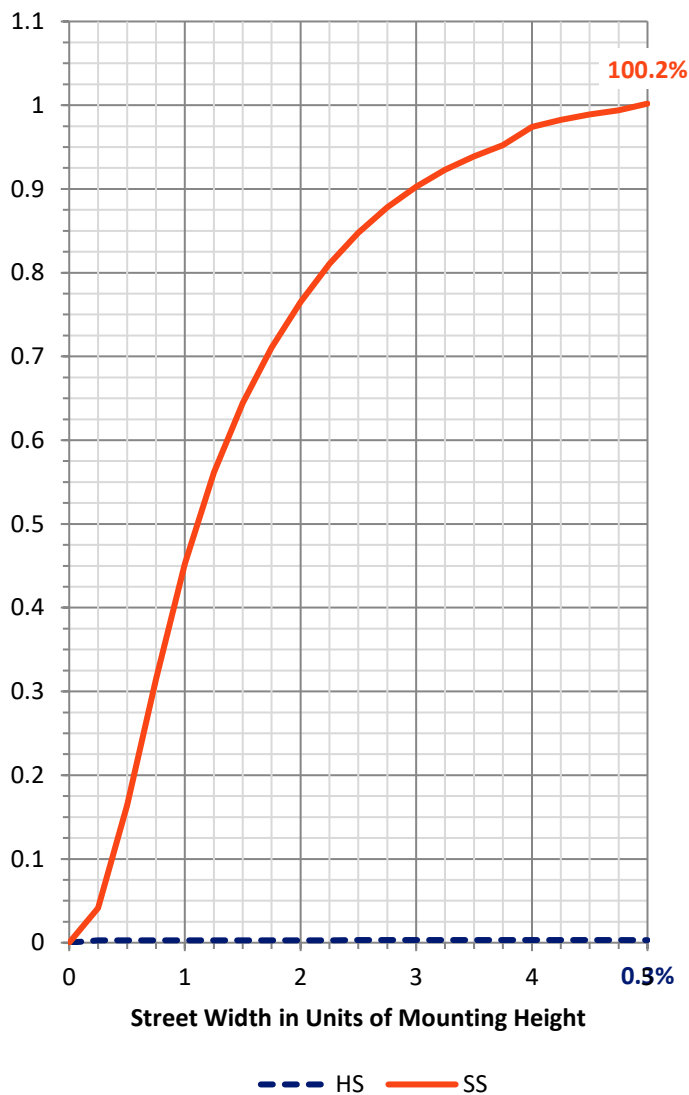
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.9	0.0	28.9
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	9362.8	0.0	9362.8
	% Fixture	99.7	0.0	99.7
Total	Lumens	9391.7	0.0	9391.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.1
10°-20°	115.5	1.2
20°-30°	391.8	4.2
30°-40°	920.8	9.8
40°-50°	1495.2	15.9
50°-60°	1894.8	20.2
60°-70°	2406.9	25.6
70°-80°	1955.6	20.8
80°-90°	201.3	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°	9391.7	100.0
0°-180°	9391.7	100.0



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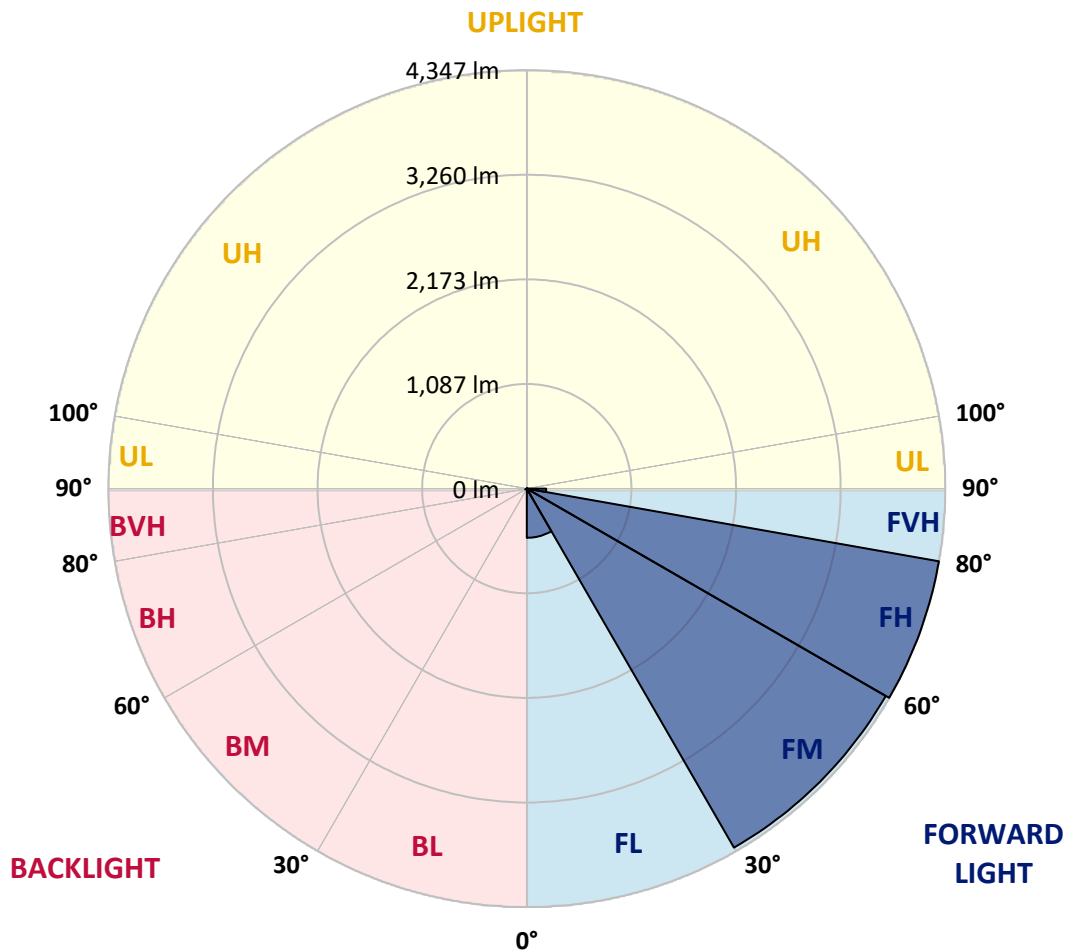
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	510.9	5.4			
FM	(30°-60°)	4305.3	45.8			
FH	(60°-80°)	4346.5	46.3			G2/5000
FVH	(80°-90°)	200.1	2.1			G2/225
BL	(0°-30°)	6.2	0.1	B0/110		
BM	(30°-60°)	5.5	0.1	B0/220		
BH	(60°-80°)	15.9	0.2	B0/110		G0/110
BVH	(80°-90°)	1.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	66.3	66.3	66.3	63.7	63.7	61.2	61.2	58.6	56.1	56.1	53.5
5°	124.9	127.5	119.8	104.5	94.3	89.2	84.1	71.4	63.7	58.6	53.5
7.5°	341.7	331.5	316.2	265.2	204.0	173.4	147.9	104.5	76.5	61.2	53.5
10°	719.1	691.0	647.7	578.8	459.0	410.5	318.7	191.2	107.1	68.8	53.5
12.5°	1055.6	1060.7	1007.2	940.9	795.5	714.0	589.0	359.5	168.3	81.6	53.5
15°	1310.6	1305.5	1285.1	1231.6	1101.5	1022.5	910.3	604.3	283.0	102.0	56.1
17.5°	1512.1	1491.7	1484.0	1461.1	1376.9	1333.6	1211.2	889.9	448.8	137.7	58.6
20°	1713.5	1708.4	1700.7	1675.2	1619.1	1588.5	1494.2	1178.0	668.1	196.3	63.7
22.5°	2006.7	1978.7	1983.8	1927.7	1881.8	1828.2	1751.7	1484.0	920.5	280.5	71.4
25°	2351.0	2348.4	2307.6	2282.1	2205.6	2147.0	2045.0	1779.8	1201.0	405.4	79.0
27.5°	2756.4	2728.3	2710.5	2667.1	2588.1	2521.8	2381.5	2073.0	1504.4	545.7	89.2
30°	3179.6	3179.6	3146.5	3080.2	3003.7	2922.1	2779.3	2381.5	1805.3	724.2	102.0
32.5°	3674.3	3684.5	3602.9	3503.5	3404.0	3347.9	3161.8	2730.9	2093.4	928.1	117.3
35°	4153.7	4140.9	4005.8	3896.2	3822.2	3761.0	3602.9	3113.4	2419.8	1165.3	137.7
37.5°	4612.7	4579.5	4355.1	4199.6	4166.4	4125.6	3967.5	3495.8	2743.6	1427.9	163.2
40°	4941.6	4890.6	4658.6	4444.4	4395.9	4373.0	4250.6	3842.6	3085.3	1721.1	196.3
42.5°	5084.4	5025.7	4865.1	4691.7	4584.6	4531.1	4424.0	4125.6	3427.0	2047.5	244.8
45°	5112.4	5066.5	4951.8	4911.0	4765.6	4684.1	4538.7	4327.1	3745.7	2371.3	311.1
47.5°	5010.4	4990.0	4921.2	5007.9	4933.9	4821.7	4645.8	4477.5	4028.7	2764.0	402.9
50°	4760.5	4745.2	4778.4	5005.3	5056.3	4928.8	4763.1	4594.8	4273.5	3169.4	532.9
52.5°	4424.0	4421.4	4577.0	4939.0	5109.9	5030.8	4877.8	4712.1	4467.3	3562.1	716.5
55°	4056.8	4100.1	4373.0	4877.8	5140.5	5104.8	4990.0	4816.6	4640.7	3926.8	1012.3
57.5°	4026.2	4008.3	4271.0	4852.3	5158.3	5178.7	5102.2	4926.3	4788.6	4225.1	1407.5
60°	4332.2	4291.4	4390.8	4905.9	5237.4	5273.1	5214.4	5010.4	4936.5	4459.7	1927.7
62.5°	4686.6	4648.4	4699.4	5112.4	5392.9	5443.9	5370.0	5097.1	5056.3	4622.9	2486.1
65°	4969.6	4939.0	5035.9	5421.0	5609.6	5653.0	5602.0	5257.8	5109.9	4755.4	2940.0
67.5°	5015.5	4977.3	5178.7	5627.5	5828.9	5859.5	5818.7	5413.3	5092.0	4765.6	3044.5
70°	4885.5	4852.3	5140.5	5693.8	5923.3	5948.8	5818.7	5339.4	4849.8	4505.6	2488.6
72.5°	4485.2	4510.7	4882.9	5533.1	5793.2	5675.9	5400.6	4967.1	4536.2	3819.7	1746.6
75°	3863.0	3891.1	4385.7	5092.0	5112.4	4969.6	4821.7	4569.3	4059.3	2516.7	1211.2
77.5°	2746.2	2646.7	3386.2	4204.7	4130.7	4222.5	4235.3	3801.8	3398.9	1310.6	810.8
80°	270.3	229.5	425.8	1206.1	2664.6	2978.2	3100.6	2929.8	2506.5	586.5	425.8
82.5°	58.6	58.6	63.7	68.8	107.1	160.6	736.9	1805.3	1619.1	298.3	137.7
85°	33.1	33.1	40.8	48.4	63.7	71.4	84.1	112.2	436.0	107.1	25.5
87.5°	25.5	28.0	33.1	40.8	53.5	58.6	71.4	89.2	109.6	99.4	7.6
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	53.5	51.0	48.4	45.9	43.3	43.3	40.8	40.8	40.8	40.8	40.8
5°	51.0	48.4	45.9	40.8	38.2	35.7	33.1	33.1	33.1	33.1	33.1
7.5°	51.0	48.4	43.3	38.2	33.1	30.6	28.0	25.5	25.5	28.0	28.0
10°	51.0	45.9	38.2	33.1	28.0	25.5	22.9	20.4	20.4	20.4	20.4
12.5°	48.4	43.3	35.7	30.6	25.5	20.4	15.3	12.7	12.7	12.7	12.7
15°	45.9	40.8	33.1	25.5	17.8	12.7	10.2	7.6	7.6	7.6	7.6
17.5°	45.9	38.2	30.6	22.9	12.7	7.6	5.1	2.5	2.5	2.5	5.1
20°	45.9	38.2	28.0	17.8	7.6	5.1	5.1	2.5	0.0	2.5	2.5
22.5°	45.9	35.7	22.9	12.7	7.6	5.1	2.5	0.0	0.0	0.0	0.0
25°	48.4	35.7	20.4	10.2	5.1	2.5	0.0	0.0	0.0	0.0	0.0
27.5°	48.4	33.1	17.8	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0
30°	51.0	33.1	15.3	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	51.0	30.6	10.2	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	51.0	28.0	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	51.0	25.5	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	53.5	22.9	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	56.1	20.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	58.6	17.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	66.3	17.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	76.5	17.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	91.8	17.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	119.8	15.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	173.4	15.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	290.7	15.3	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	510.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	861.8	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1124.5	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	854.2	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	408.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	181.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	79.0	7.6	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	30.6	5.1	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	12.7	5.1	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
85°	7.6	5.1	5.1	5.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0
87.5°	5.1	5.1	5.1	5.1	5.1	2.5	2.5	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

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



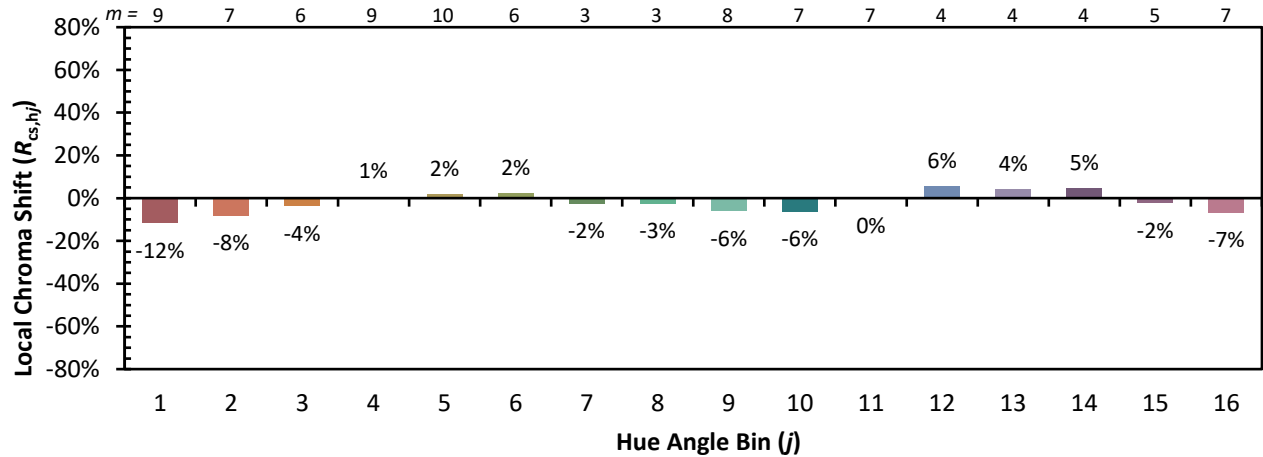
Color Vector Graphics



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)