

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: P1067133

Luminaire Tested: **NAV-SA3A-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067133
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-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 3xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (42) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9823.3 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type III - 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

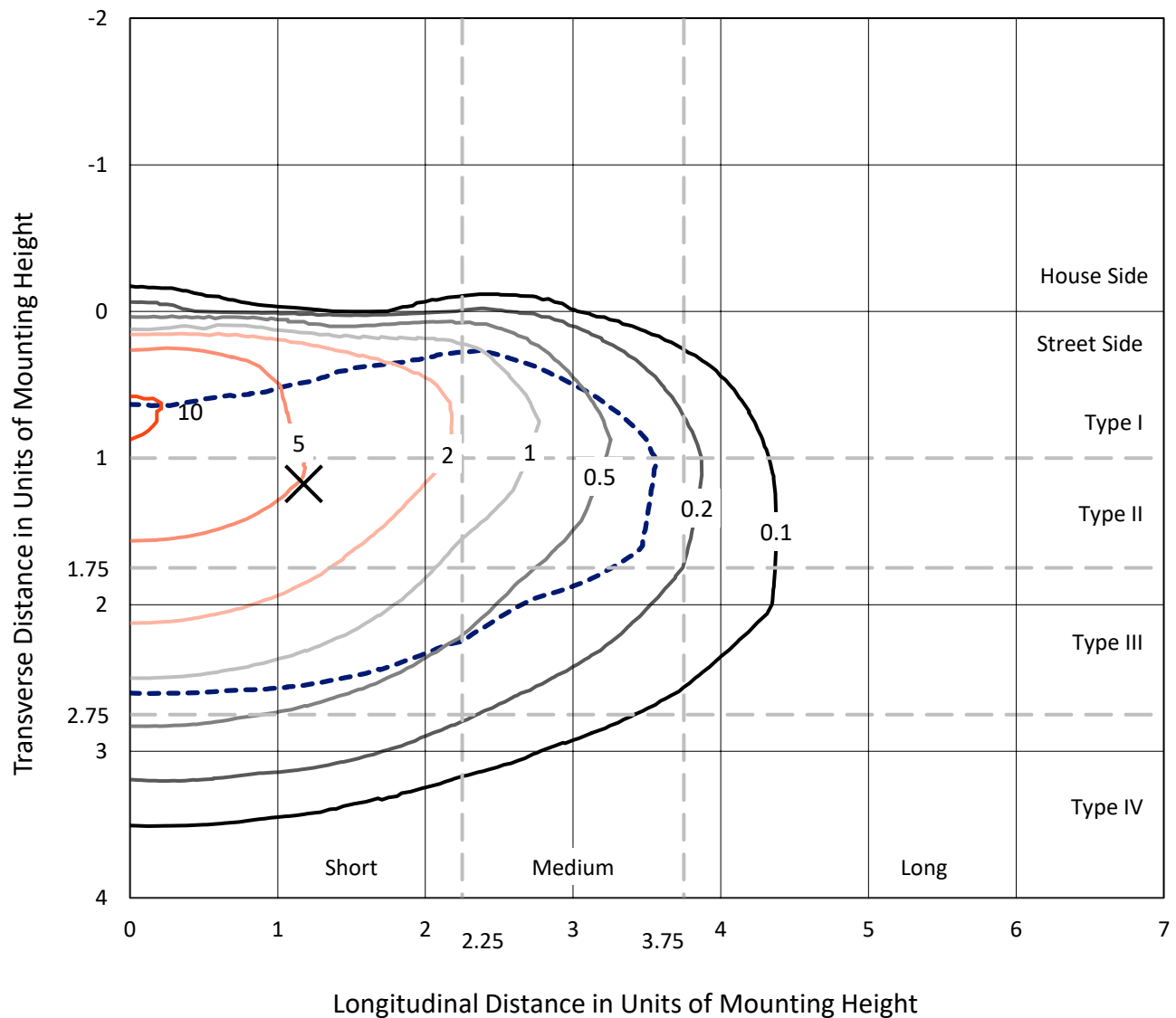


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

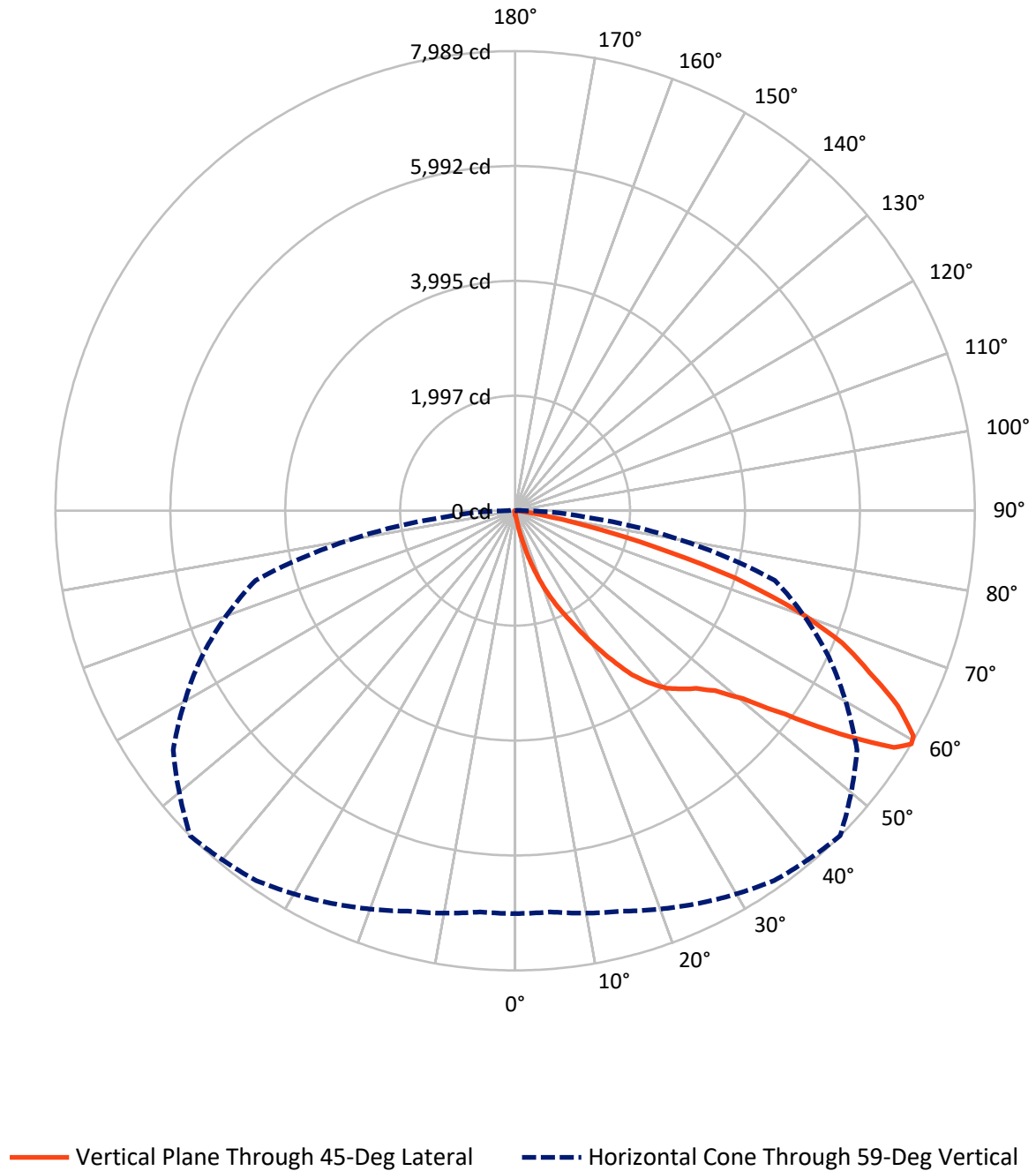


Based on 15 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34.9	0.0	34.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	9788.4	0.0	9788.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	9823.3	0.0	9823.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.1
10°-20°	108.6	1.1
20°-30°	390.1	4.0
30°-40°	906.5	9.2
40°-50°	1545.2	15.7
50°-60°	2546.0	25.9
60°-70°	2943.7	30.0
70°-80°	1264.7	12.9
80°-90°	109.3	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°	9823.3	100.0
0°-180°	9823.3	100.0



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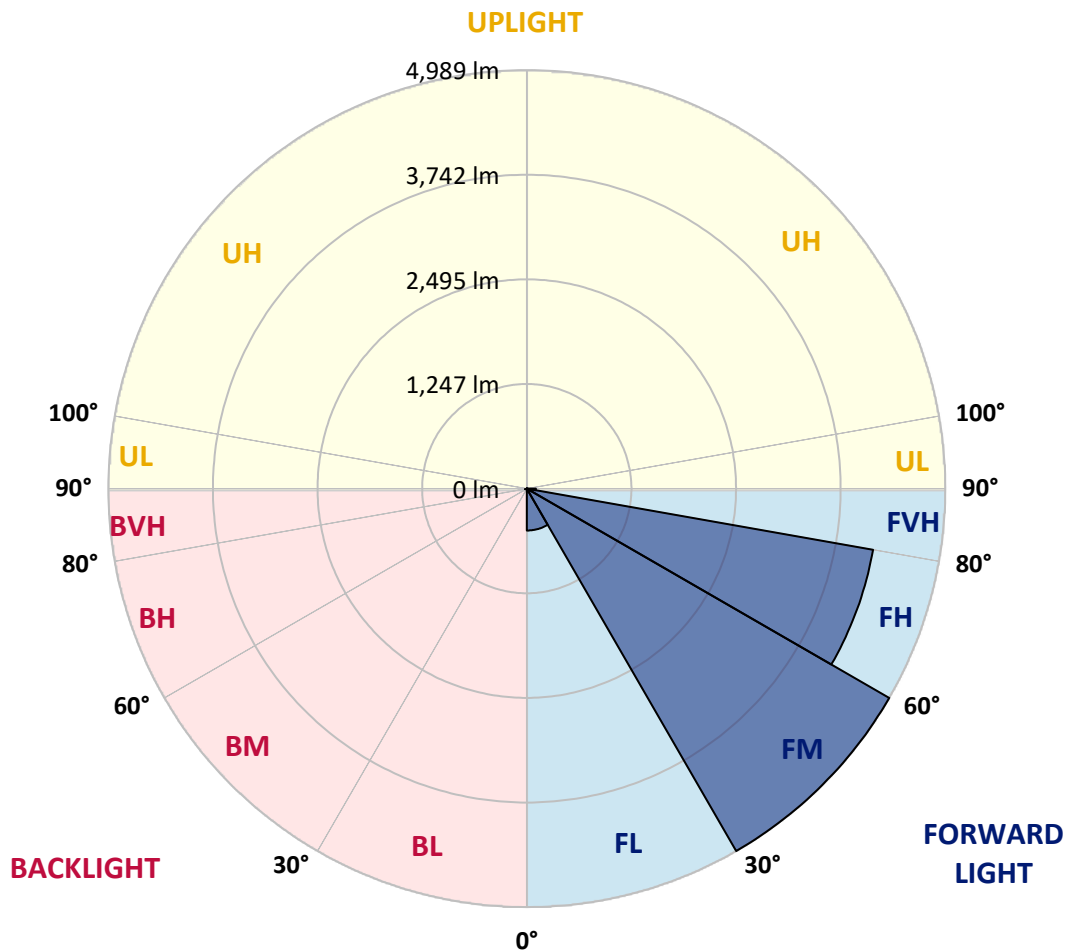
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	499.2	5.1			
FM	(30°-60°)	4989.3	50.8			
FH	(60°-80°)	4192.1	42.7			G2/5000
FVH	(80°-90°)	107.9	1.1			G2/225
BL	(0°-30°)	8.6	0.1	B0/110		
BM	(30°-60°)	8.4	0.1	B0/220		
BH	(60°-80°)	16.4	0.2	B0/110		G0/110
BVH	(80°-90°)	1.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2.5°	80.6	80.6	78.6	76.0	75.3	73.3	73.3	71.3	68.7	66.7	64.1
5°	116.9	116.3	111.0	104.4	95.8	90.5	90.5	83.2	76.6	70.7	65.4
7.5°	255.6	249.7	230.5	198.8	157.2	129.5	127.5	103.7	87.8	76.0	66.1
10°	586.5	566.1	539.0	463.0	342.2	239.1	234.5	151.3	105.0	81.9	67.4
12.5°	961.1	977.6	923.4	803.9	662.5	492.7	459.7	255.0	138.7	89.8	68.7
15°	1301.9	1297.9	1267.5	1169.8	1006.6	780.7	760.3	443.2	198.8	102.4	70.0
17.5°	1556.8	1552.2	1523.2	1460.4	1334.9	1109.0	1091.2	706.8	311.8	120.2	71.3
20°	1825.7	1819.7	1778.8	1728.6	1618.9	1426.7	1405.6	1001.4	488.1	149.3	71.3
22.5°	2148.0	2136.8	2093.2	2008.0	1892.4	1725.3	1706.1	1302.5	706.8	196.8	74.6
25°	2537.7	2518.6	2458.5	2381.8	2242.5	2020.5	2000.1	1638.1	970.3	268.8	77.9
27.5°	2982.3	2985.6	2904.3	2774.9	2587.9	2361.4	2323.1	1938.6	1243.1	371.9	81.9
30°	3510.0	3477.0	3362.7	3212.1	3030.5	2741.8	2704.8	2237.8	1549.6	523.8	88.5
32.5°	4004.1	3968.4	3814.5	3624.9	3430.1	3125.6	3095.2	2574.1	1828.3	703.5	100.4
35°	4428.1	4403.0	4187.7	3956.5	3783.5	3511.3	3502.1	2949.2	2155.9	897.0	113.6
37.5°	4801.3	4755.8	4479.0	4239.2	4063.5	3819.8	3800.0	3292.7	2471.7	1121.6	133.4
40°	5119.7	5094.6	4757.1	4442.0	4299.3	4081.4	4056.3	3593.9	2798.0	1382.5	157.9
42.5°	5460.5	5427.5	5099.9	4746.5	4483.6	4250.5	4233.9	3842.3	3088.6	1669.1	194.2
45°	5845.6	5784.2	5496.9	5179.8	4780.2	4425.5	4407.0	4063.5	3386.5	1976.9	238.4
47.5°	6257.1	6203.6	5971.1	5748.5	5288.8	4714.1	4674.5	4251.8	3682.4	2332.3	294.6
50°	6675.9	6677.2	6502.8	6395.8	5910.3	5183.1	5127.0	4528.5	3993.5	2712.8	377.8
52.5°	7163.4	7175.9	7173.3	7094.0	6717.5	5950.0	5874.7	4948.6	4354.8	3156.6	492.7
55°	7367.5	7389.9	7535.9	7711.6	7609.2	6922.3	6841.7	5673.2	4833.7	3651.4	663.2
57.5°	7200.3	7225.4	7426.9	7734.7	7969.9	7773.7	7764.4	6616.4	5464.5	4251.1	941.9
59°	7001.5	6998.2	7205.0	7531.3	7848.3	7975.8	7989.0	7254.5	6014.0	4671.9	1182.3
60°	6869.4	6872.1	7009.5	7344.3	7681.2	7902.5	7954.0	7630.3	6335.1	4974.4	1388.4
62.5°	6359.5	6389.9	6498.9	6810.0	7129.7	7376.7	7464.6	7965.2	7253.8	5689.1	2105.1
65°	5805.3	5807.3	5962.5	6228.7	6535.2	6708.9	6764.4	7444.1	7867.5	6417.0	3045.0
67.5°	4816.5	4856.8	5033.2	5464.5	5869.4	6089.3	6131.6	6479.7	7613.2	6891.2	3516.0
70°	3370.6	3423.5	3675.1	4234.6	4837.7	5199.0	5196.3	5386.6	6700.3	6679.9	2980.9
72.5°	1683.0	1774.2	1979.6	2578.7	3309.2	3876.6	3996.2	4333.0	5382.6	5548.4	2224.0
75°	743.7	749.0	865.9	1167.8	1644.7	2365.3	2472.3	3439.3	4129.6	3856.1	1606.4
77.5°	432.6	436.6	457.7	524.5	666.5	1159.2	1279.4	2255.7	2918.2	2241.1	1047.6
80°	157.2	161.2	160.5	198.8	292.0	456.4	508.6	1093.2	1946.6	1180.4	548.9
82.5°	96.4	96.4	93.1	93.8	106.3	175.0	191.6	465.7	947.8	581.3	157.2
85°	47.6	50.2	53.5	60.1	71.3	86.5	91.8	133.4	319.0	140.7	37.6
87.5°	28.4	29.1	31.7	38.3	47.6	62.1	66.1	90.5	114.3	94.5	9.2
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°	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
2.5°	62.7	62.1	58.8	56.1	53.5	50.9	48.9	46.9	46.9	47.6	46.9
5°	62.7	60.1	54.8	50.2	46.2	42.9	39.6	37.0	36.3	36.3	37.0
7.5°	62.1	58.8	51.5	45.6	40.3	35.7	32.4	29.1	28.4	29.1	28.4
10°	61.4	57.5	48.9	41.6	34.3	29.7	25.1	21.8	21.8	21.8	22.5
12.5°	61.4	55.5	46.2	37.6	29.7	24.4	19.8	16.5	15.9	15.9	15.9
15°	60.8	54.2	43.6	33.0	25.1	18.5	14.5	11.2	11.2	11.2	11.2
17.5°	59.4	52.2	40.3	29.1	19.8	13.9	9.9	6.6	6.6	7.9	7.9
20°	58.1	50.2	36.3	23.8	16.5	10.6	6.6	4.0	4.0	5.9	6.6
22.5°	58.8	50.2	33.7	21.1	13.2	7.9	5.3	3.3	2.6	4.6	5.9
25°	59.4	48.9	30.4	18.5	9.9	5.9	4.0	1.3	0.7	1.3	2.0
27.5°	59.4	47.6	26.4	14.5	7.3	4.6	2.0	0.0	0.0	0.0	0.0
30°	58.8	45.6	23.1	11.9	5.3	2.6	0.7	0.0	0.0	0.0	0.0
32.5°	58.1	43.6	21.1	9.2	4.6	1.3	0.0	0.0	0.0	0.0	0.0
35°	58.8	41.0	18.5	7.3	2.6	0.0	0.0	0.0	0.0	0.0	1.3
37.5°	60.8	38.3	15.9	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	63.4	36.3	13.2	4.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	68.7	36.3	11.9	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	75.3	36.3	9.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	83.9	37.0	8.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	94.5	38.3	7.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	102.4	37.0	7.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	116.3	35.7	6.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	134.7	33.7	6.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	153.2	31.0	6.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	174.4	29.7	5.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	288.0	26.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	556.2	25.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	899.0	25.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	945.2	25.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	628.8	20.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	336.9	18.5	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	181.6	17.2	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	79.9	12.5	3.3	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	31.7	8.6	4.0	3.3	2.6	1.3	0.0	0.0	0.0	0.0	0.0
85°	15.2	6.6	5.3	4.6	3.3	2.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	6.6	5.9	5.3	4.6	3.3	0.7	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 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	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

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



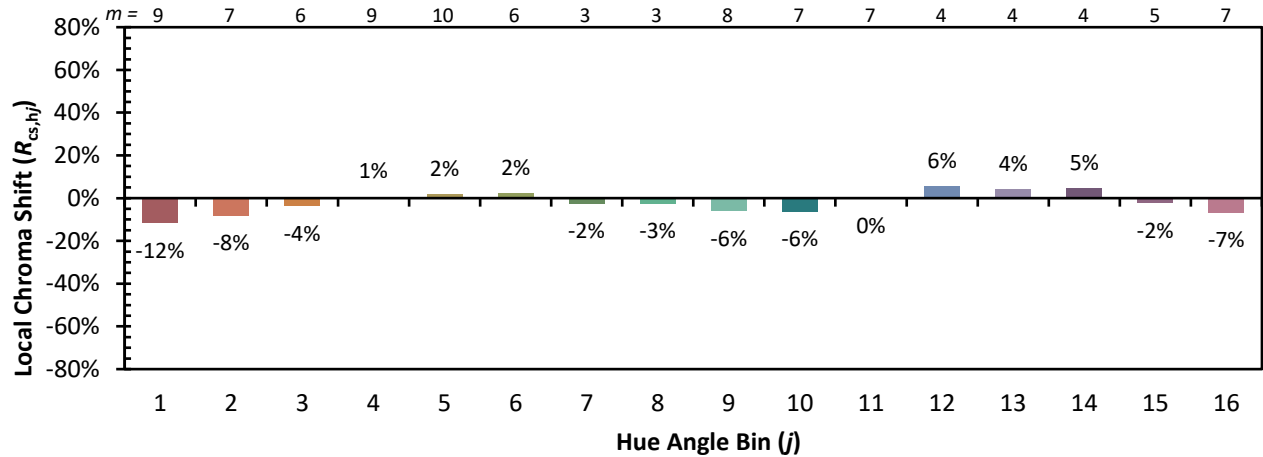
Color Vector Graphics



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)