

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: P1067127

Luminaire Tested: **NAV-SA1C-835-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067127
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-835-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5261.1 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 50.1
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

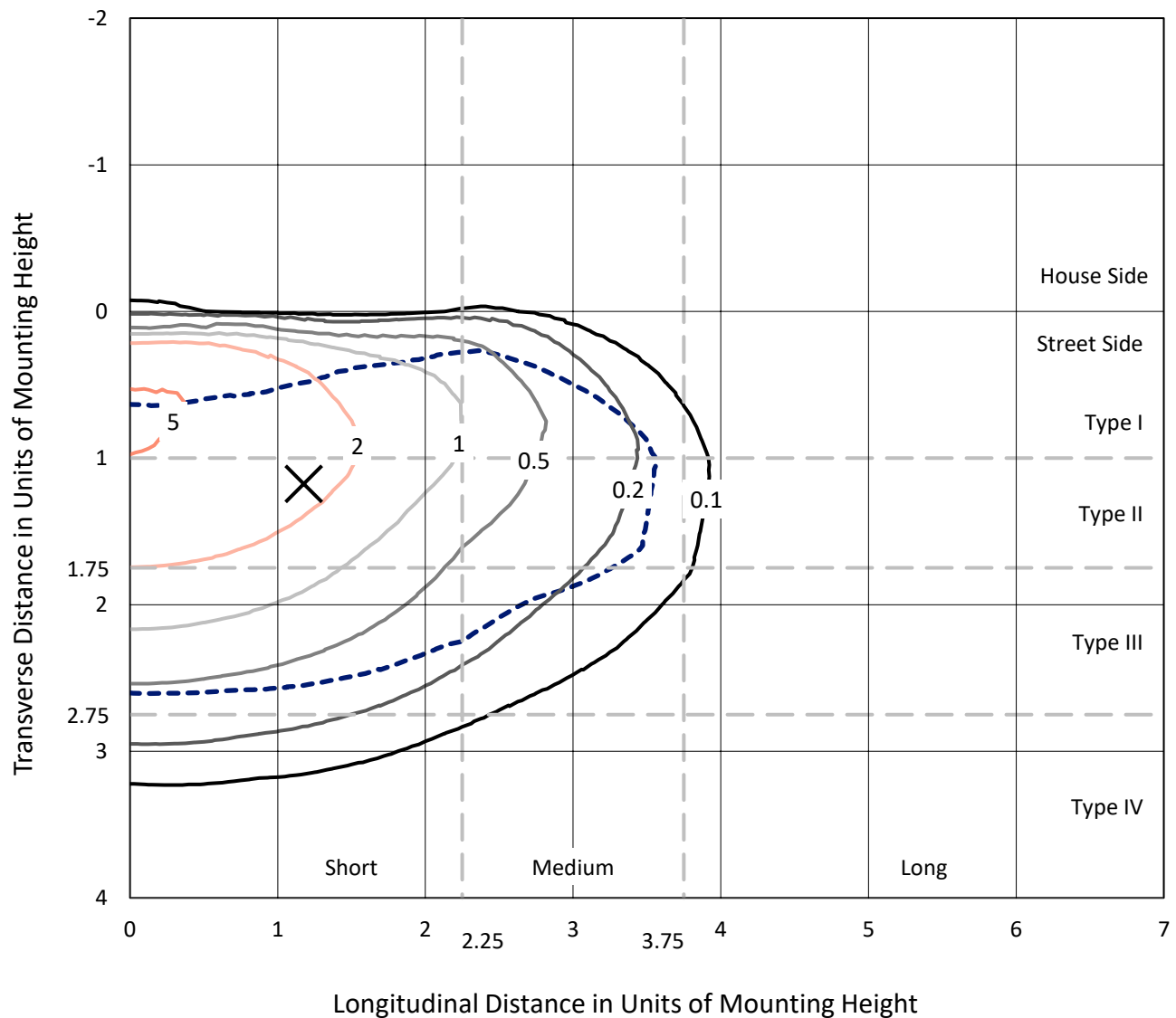


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

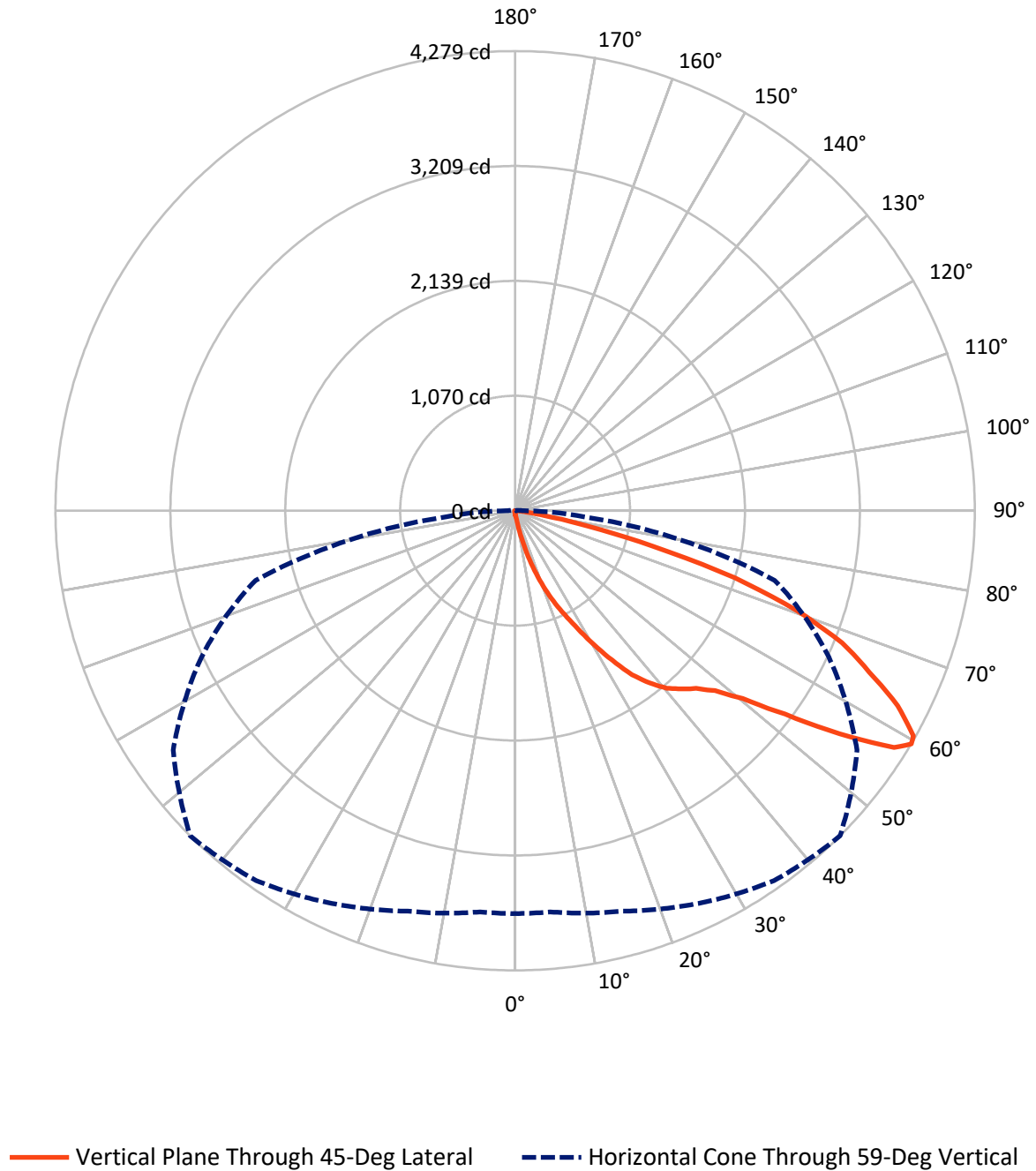


Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18.7	0.0	18.7
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	5242.5	0.0	5242.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	5261.1	0.0	5261.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	58.1	1.1
20°-30°	208.9	4.0
30°-40°	485.5	9.2
40°-50°	827.6	15.7
50°-60°	1363.6	25.9
60°-70°	1576.6	30.0
70°-80°	677.4	12.9
80°-90°	58.5	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°	5261.1	100.0
0°-180°	5261.1	100.0



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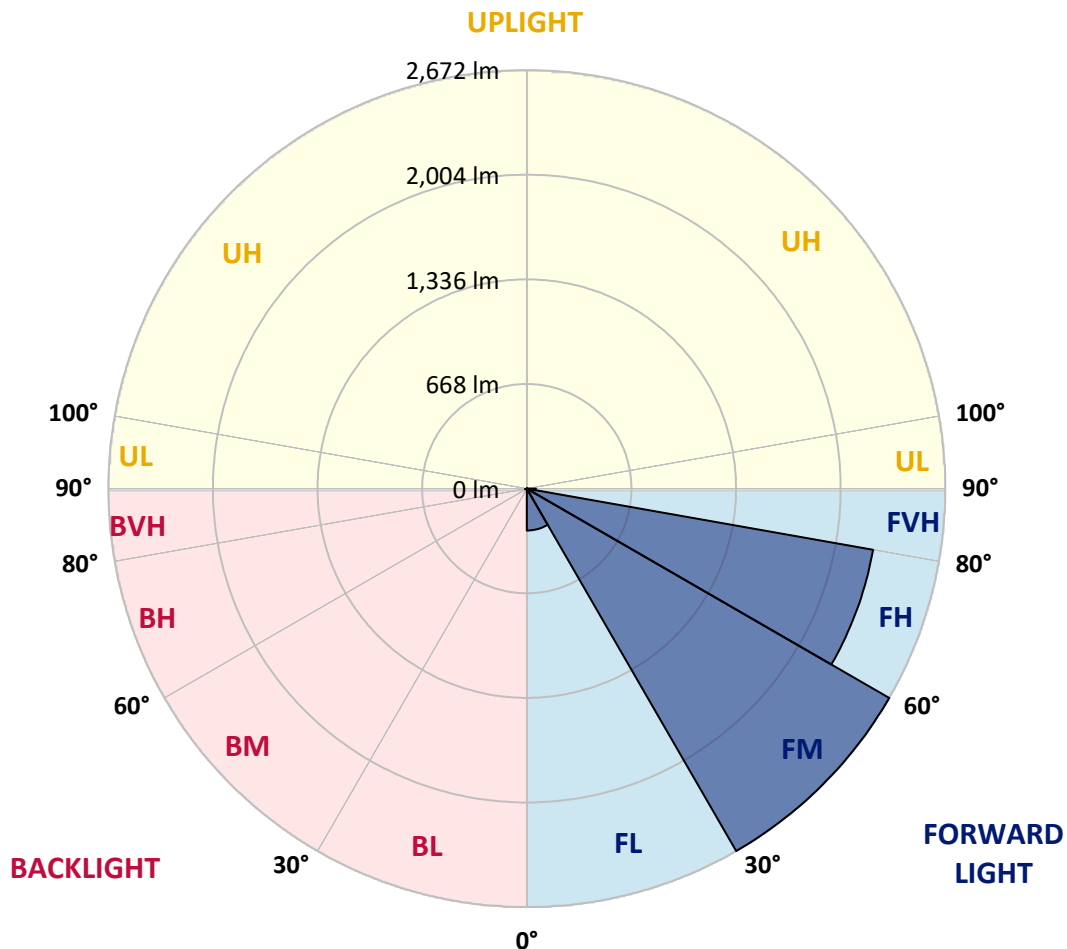
CATALOG NUMBER: NAV-SA1C-835-U-T3BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.4	5.1			
FM	(30°-60°)	2672.1	50.8			
FH	(60°-80°)	2245.2	42.7			G2/5000
FVH	(80°-90°)	57.8	1.1			G1/100
BL	(0°-30°)	4.6	0.1	B0/110		
BM	(30°-60°)	4.5	0.1	B0/220		
BH	(60°-80°)	8.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.8	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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	43.2	43.2	42.1	40.7	40.3	39.3	39.3	38.2	36.8	35.7	34.3
5°	62.6	62.3	59.4	55.9	51.3	48.5	48.5	44.6	41.0	37.9	35.0
7.5°	136.9	133.7	123.5	106.5	84.2	69.3	68.3	55.5	47.1	40.7	35.4
10°	314.1	303.2	288.7	248.0	183.2	128.1	125.6	81.0	56.2	43.9	36.1
12.5°	514.7	523.6	494.6	430.5	354.8	263.9	246.2	136.6	74.3	48.1	36.8
15°	697.3	695.1	678.9	626.5	539.1	418.1	407.2	237.4	106.5	54.8	37.5
17.5°	833.8	831.3	815.8	782.2	714.9	594.0	584.4	378.5	167.0	64.4	38.2
20°	977.8	974.6	952.7	925.8	867.1	764.1	752.8	536.3	261.4	79.9	38.2
22.5°	1150.4	1144.4	1121.1	1075.4	1013.5	924.0	913.8	697.6	378.5	105.4	40.0
25°	1359.1	1348.9	1316.7	1275.7	1201.0	1082.2	1071.2	877.3	519.7	144.0	41.7
27.5°	1597.2	1599.0	1555.5	1486.1	1386.0	1264.7	1244.2	1038.3	665.8	199.2	43.9
30°	1879.9	1862.2	1801.0	1720.3	1623.1	1468.5	1448.6	1198.5	829.9	280.5	47.4
32.5°	2144.5	2125.4	2043.0	1941.4	1837.1	1674.0	1657.7	1378.6	979.2	376.8	53.8
35°	2371.6	2358.2	2242.8	2119.0	2026.3	1880.6	1875.6	1579.5	1154.7	480.4	60.8
37.5°	2571.5	2547.1	2398.8	2270.4	2176.3	2045.8	2035.2	1763.5	1323.8	600.7	71.5
40°	2742.0	2728.6	2547.8	2379.0	2302.6	2185.9	2172.4	1924.8	1498.5	740.4	84.5
42.5°	2924.5	2906.8	2731.4	2542.1	2401.3	2276.4	2267.6	2057.8	1654.2	894.0	104.0
45°	3130.8	3097.9	2944.0	2774.2	2560.2	2370.2	2360.3	2176.3	1813.7	1058.8	127.7
47.5°	3351.2	3322.5	3198.0	3078.8	2832.6	2524.8	2503.6	2277.2	1972.2	1249.1	157.8
50°	3575.5	3576.2	3482.8	3425.5	3165.4	2776.0	2745.9	2425.4	2138.8	1452.9	202.4
52.5°	3836.5	3843.3	3841.8	3799.4	3597.7	3186.7	3146.3	2650.4	2332.3	1690.6	263.9
55°	3945.8	3957.9	4036.1	4130.2	4075.3	3707.4	3664.2	3038.4	2588.8	1955.6	355.2
57.5°	3856.3	3869.8	3977.7	4142.5	4268.5	4163.4	4158.5	3543.6	2926.7	2276.8	504.5
59°	3749.9	3748.1	3858.8	4033.6	4203.4	4271.7	4278.7	3885.3	3221.0	2502.1	633.2
60°	3679.1	3680.5	3754.1	3933.5	4113.9	4232.4	4260.0	4086.6	3392.9	2664.2	743.6
62.5°	3406.0	3422.3	3480.6	3647.3	3818.5	3950.8	3997.8	4266.0	3885.0	3046.9	1127.4
65°	3109.2	3110.3	3193.4	3336.0	3500.1	3593.1	3622.9	3986.9	4213.6	3436.8	1630.8
67.5°	2579.6	2601.2	2695.7	2926.7	3143.5	3261.3	3284.0	3470.4	4077.4	3690.8	1883.1
70°	1805.2	1833.5	1968.3	2268.0	2590.9	2784.4	2783.0	2884.9	3588.5	3577.6	1596.5
72.5°	901.4	950.2	1060.2	1381.1	1772.3	2076.2	2140.2	2320.7	2882.8	2971.6	1191.1
75°	398.3	401.2	463.8	625.4	880.9	1266.8	1324.1	1842.0	2211.7	2065.3	860.3
77.5°	231.7	233.8	245.2	280.9	356.9	620.8	685.2	1208.1	1562.9	1200.3	561.1
80°	84.2	86.3	86.0	106.5	156.4	244.4	272.4	585.5	1042.5	632.2	294.0
82.5°	51.6	51.6	49.9	50.2	57.0	93.7	102.6	249.4	507.6	311.3	84.2
85°	25.5	26.9	28.7	32.2	38.2	46.3	49.2	71.5	170.9	75.4	20.2
87.5°	15.2	15.6	17.0	20.5	25.5	33.3	35.4	48.5	61.2	50.6	5.0
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°	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
2.5°	33.6	33.3	31.5	30.1	28.7	27.2	26.2	25.1	25.1	25.5	25.1
5°	33.6	32.2	29.4	26.9	24.8	23.0	21.2	19.8	19.5	19.5	19.8
7.5°	33.3	31.5	27.6	24.4	21.6	19.1	17.3	15.6	15.2	15.6	15.2
10°	32.9	30.8	26.2	22.3	18.4	15.9	13.4	11.7	11.7	11.7	12.0
12.5°	32.9	29.7	24.8	20.2	15.9	13.1	10.6	8.8	8.5	8.5	8.5
15°	32.5	29.0	23.3	17.7	13.4	9.9	7.8	6.0	6.0	6.0	6.0
17.5°	31.8	27.9	21.6	15.6	10.6	7.4	5.3	3.5	3.5	4.2	4.2
20°	31.1	26.9	19.5	12.7	8.8	5.7	3.5	2.1	2.1	3.2	3.5
22.5°	31.5	26.9	18.0	11.3	7.1	4.2	2.8	1.8	1.4	2.5	3.2
25°	31.8	26.2	16.3	9.9	5.3	3.2	2.1	0.7	0.4	0.7	1.1
27.5°	31.8	25.5	14.2	7.8	3.9	2.5	1.1	0.0	0.0	0.0	0.0
30°	31.5	24.4	12.4	6.4	2.8	1.4	0.4	0.0	0.0	0.0	0.0
32.5°	31.1	23.3	11.3	5.0	2.5	0.7	0.0	0.0	0.0	0.0	0.0
35°	31.5	21.9	9.9	3.9	1.4	0.0	0.0	0.0	0.0	0.0	0.7
37.5°	32.5	20.5	8.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
40°	34.0	19.5	7.1	2.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	36.8	19.5	6.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	40.3	19.5	5.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	44.9	19.8	4.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	50.6	20.5	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	54.8	19.8	3.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	62.3	19.1	3.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	72.2	18.0	3.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	82.1	16.6	3.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	93.4	15.9	3.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	154.2	14.2	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	297.9	13.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	481.5	13.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	506.2	13.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	336.8	11.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	180.4	9.9	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	97.3	9.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	42.8	6.7	1.8	1.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.0	4.6	2.1	1.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0
85°	8.1	3.5	2.8	2.5	1.8	1.1	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.5	3.2	2.8	2.5	1.8	0.4	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: SP1-2407-184-10

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

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



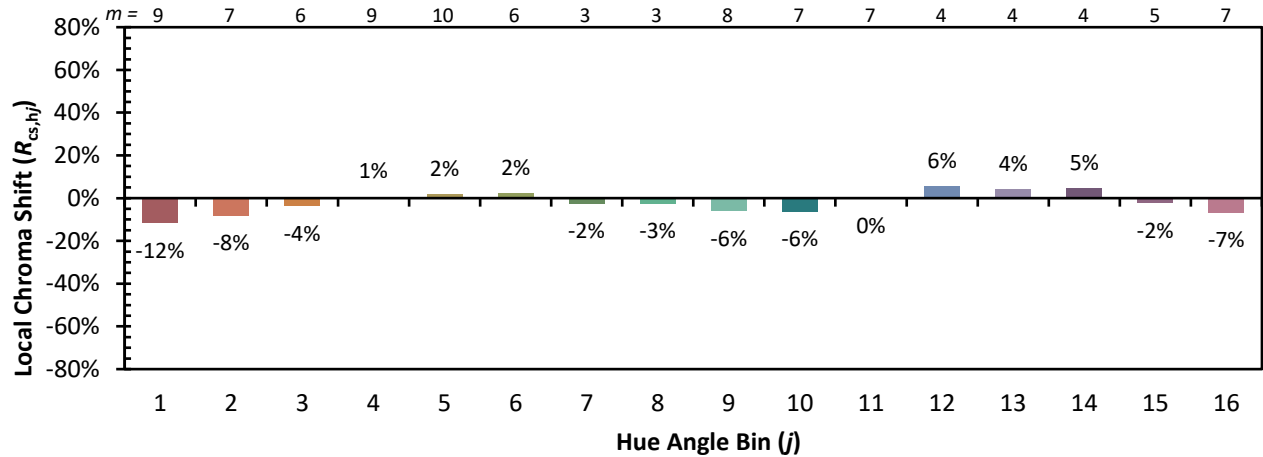
Color Vector Graphics

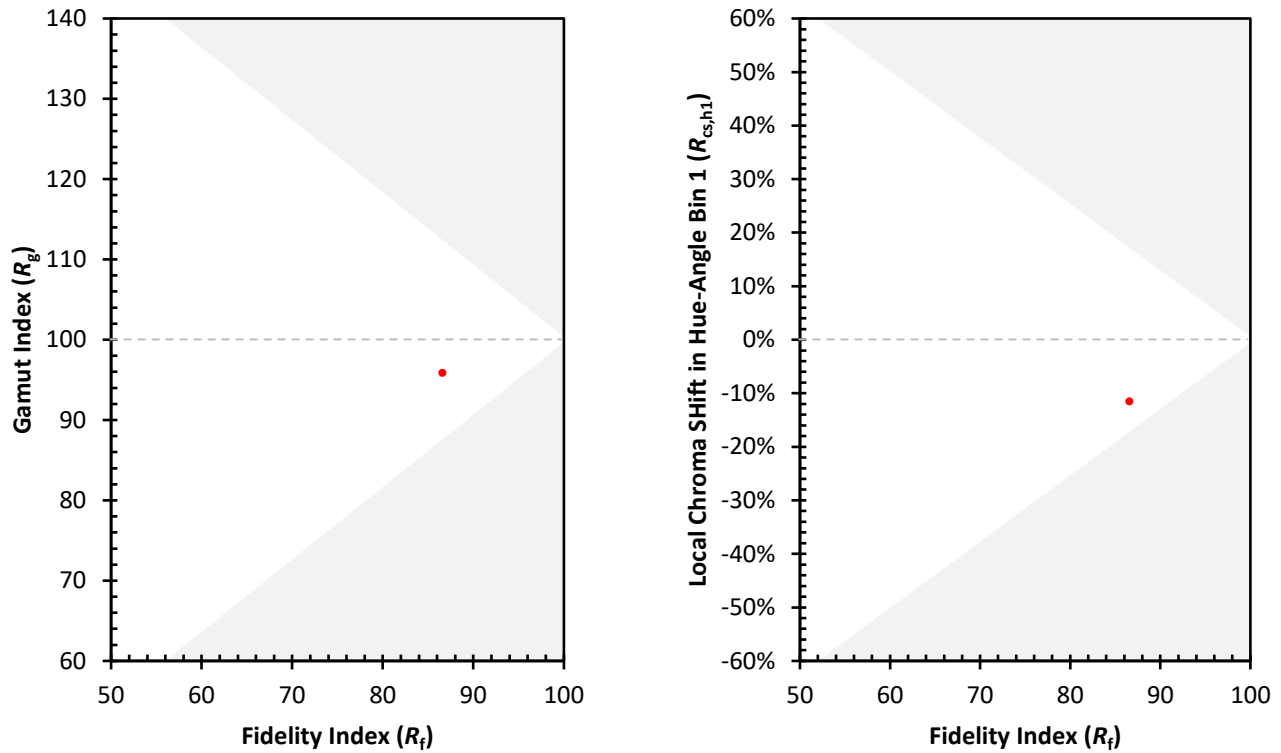


Individual Sample Fidelity Index ($R_{f,i}$)

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)