

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: P1067366

Luminaire Tested: **NAV-SA1B-835-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067366
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1B-835-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 1xLight Square PACKAGE
80CRI 3500K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3997.6 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 37.9
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



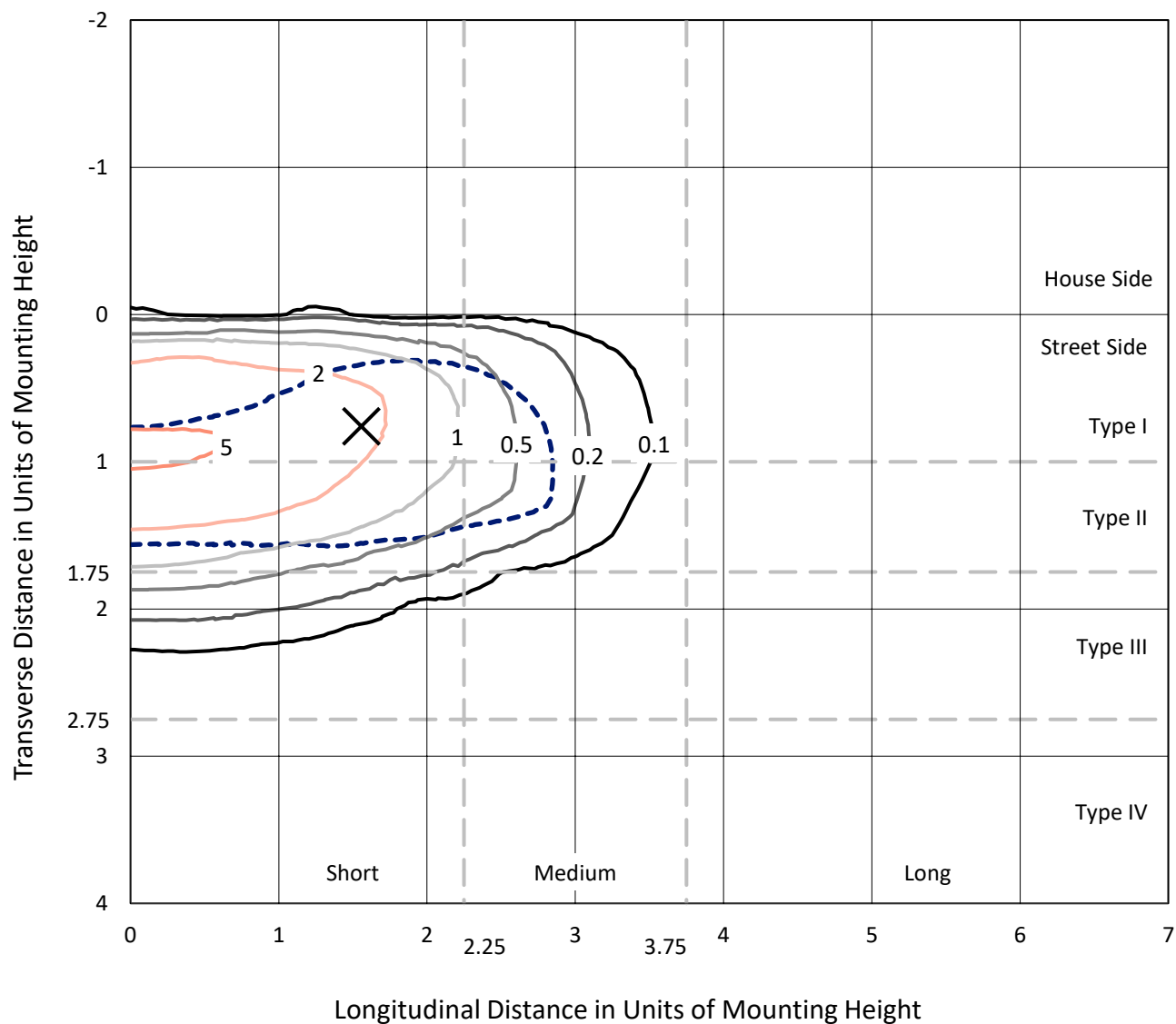
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

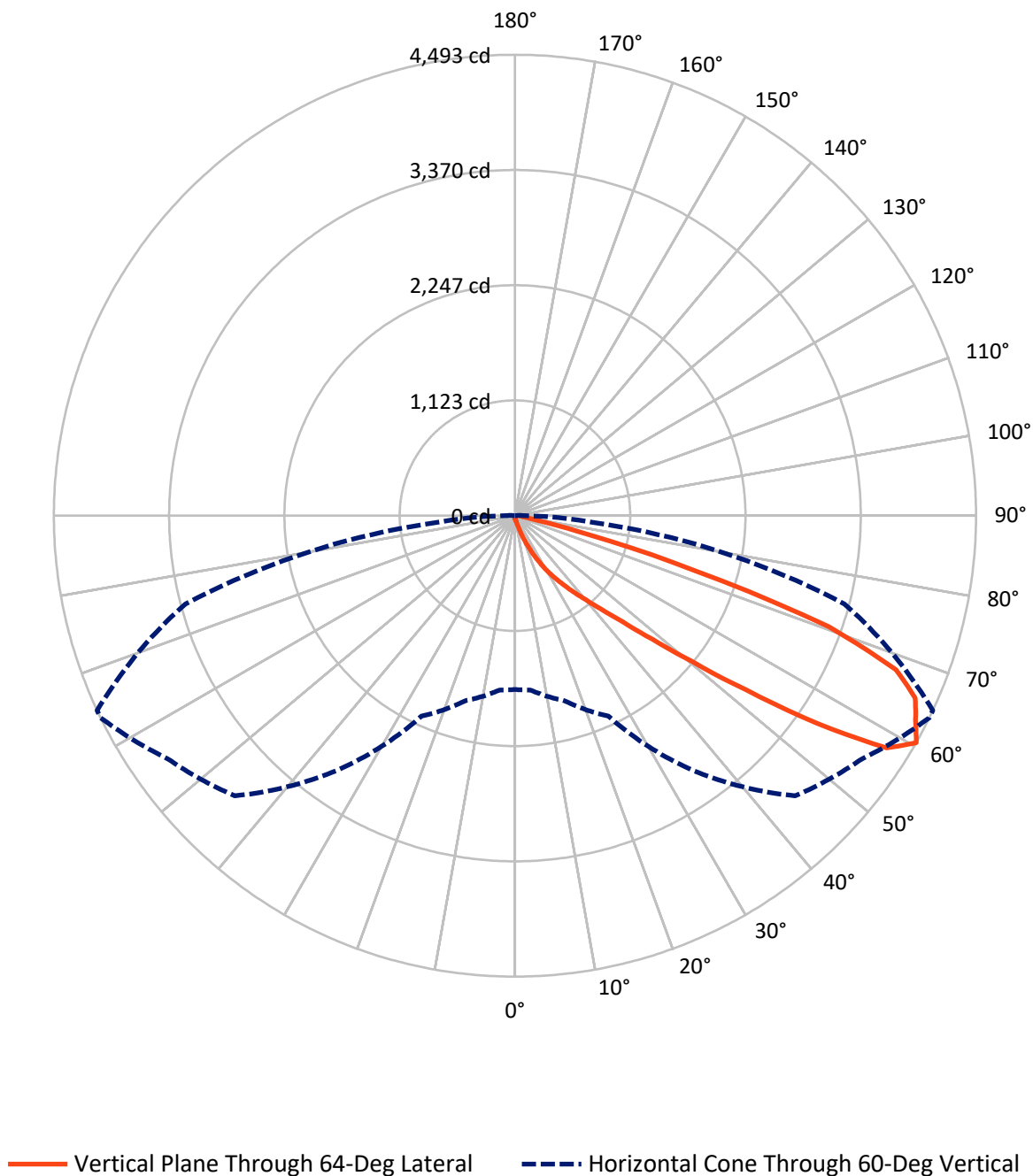


Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16.2	0.0	16.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3981.4	0.0	3981.4
	% Fixture	99.6	0.0	99.6
Total	Lumens	3997.6	0.0	3997.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	39.3	1.0
20°-30°	130.5	3.3
30°-40°	348.1	8.7
40°-50°	884.9	22.1
50°-60°	1290.0	32.3
60°-70°	996.4	24.9
70°-80°	273.6	6.8
80°-90°	30.9	0.8
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°	3997.6	100.0
0°-180°	3997.6	100.0



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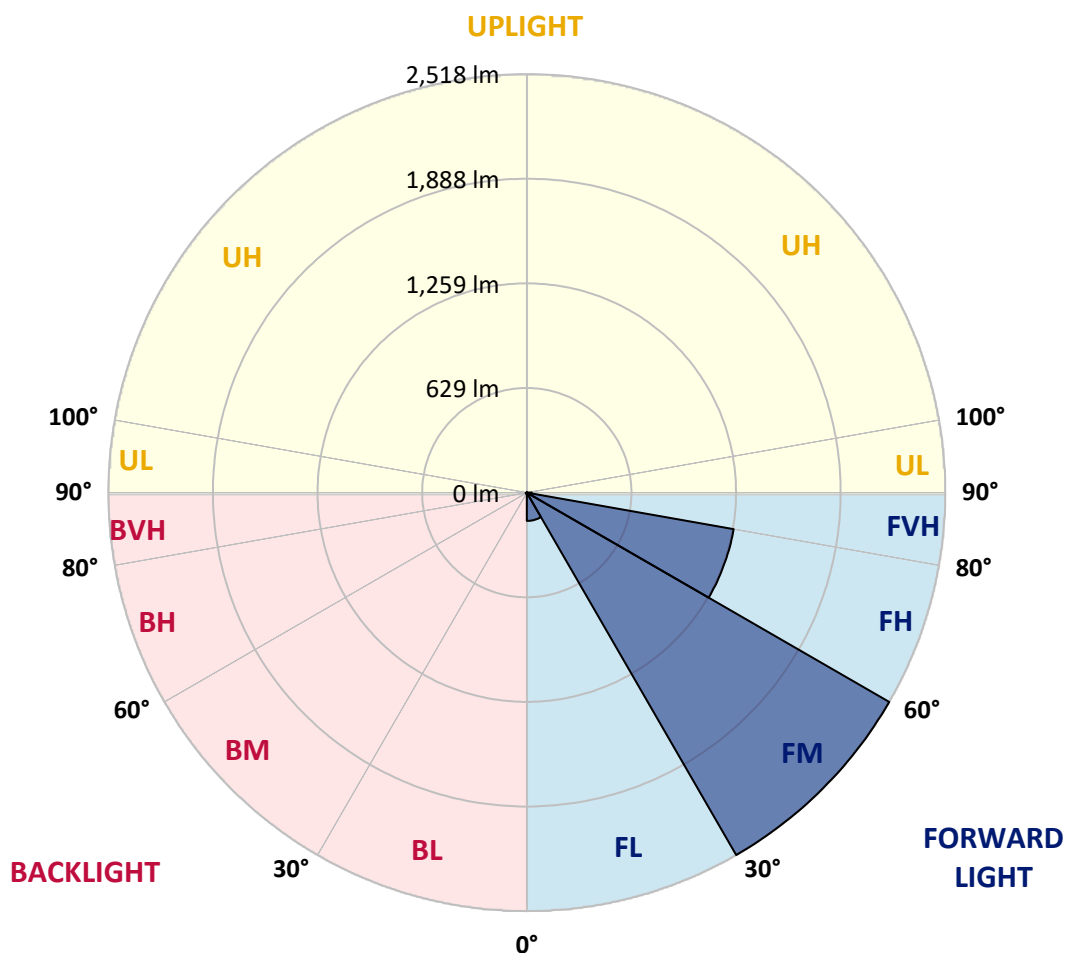
CATALOG NUMBER: NAV-SA1B-835-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.1	4.3			
FM	(30°-60°)	2517.6	63.0			
FH	(60°-80°)	1263.5	31.6			G1/1800
FVH	(80°-90°)	30.1	0.8			G1/100
BL	(0°-30°)	3.6	0.1	B0/110		
BM	(30°-60°)	5.4	0.1	B0/220		
BH	(60°-80°)	6.5	0.2	B0/110		G0/110
BVH	(80°-90°)	0.7	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	35.2	35.2	35.2	34.1	33.0	33.0	31.9	30.8	30.8	28.6	27.5
5°	53.9	53.9	51.7	49.5	46.2	41.8	37.4	34.1	34.1	30.8	28.6
7.5°	105.6	108.9	99.0	86.9	70.4	59.4	47.3	39.6	38.5	33.0	28.6
10°	228.9	226.7	211.3	181.6	143.1	103.4	66.0	48.4	46.2	35.2	28.6
12.5°	344.4	347.7	331.2	298.2	252.0	183.8	113.3	62.7	60.5	38.5	28.6
15°	443.5	443.5	432.5	416.0	365.3	293.8	182.7	93.5	85.8	41.8	27.5
17.5°	511.7	510.6	506.2	501.8	472.1	398.3	279.5	149.7	132.0	49.5	27.5
20°	588.7	585.4	590.9	582.1	559.0	500.7	381.8	222.3	205.8	62.7	27.5
22.5°	669.0	672.3	676.7	667.9	642.6	592.0	489.7	315.8	298.2	86.9	28.6
25°	771.4	769.2	779.1	771.4	739.5	680.1	590.9	418.2	392.8	121.0	30.8
27.5°	896.8	892.4	899.0	879.2	837.4	776.9	681.2	522.7	493.0	173.9	35.2
30°	1063.0	1066.3	1036.6	1013.5	954.1	873.7	781.3	634.9	604.1	236.6	39.6
32.5°	1324.9	1301.8	1255.6	1162.0	1083.9	981.6	881.4	732.9	705.4	316.9	46.2
35°	1733.1	1737.5	1636.3	1405.2	1235.8	1116.9	991.5	840.7	820.9	408.3	55.0
37.5°	2230.5	2218.4	2129.3	1837.7	1458.0	1285.3	1116.9	958.5	929.8	507.3	66.0
40°	2793.9	2743.3	2691.6	2493.5	1921.3	1496.6	1275.4	1094.9	1072.9	621.7	83.6
42.5°	3245.1	3231.9	3240.7	3158.2	2693.8	1856.4	1485.5	1262.2	1235.8	763.7	114.4
45°	3467.4	3448.7	3501.5	3563.1	3444.3	2622.3	1824.5	1475.6	1440.4	930.9	161.8
47.5°	3408.0	3394.7	3508.1	3629.1	3787.6	3510.3	2378.0	1794.8	1734.2	1145.5	232.2
50°	3115.2	3116.3	3302.3	3527.9	3778.8	3960.4	3197.8	2231.6	2155.7	1430.5	342.2
52.5°	2830.2	2839.0	3036.0	3365.0	3647.8	4013.2	3917.4	2820.3	2697.1	1766.1	472.1
55°	2537.5	2541.9	2715.8	3179.1	3586.2	3855.8	4287.2	3578.5	3447.6	2184.3	598.6
57.5°	2255.8	2255.8	2320.8	2732.3	3519.1	3841.5	4243.2	4271.8	4165.0	2661.9	692.2
60°	1694.6	1705.6	1867.4	2155.7	3034.9	3862.4	4130.9	4493.0	4493.0	3324.3	763.7
62.5°	856.1	872.6	1074.0	1354.6	2082.0	3574.1	4148.5	4381.8	4399.4	3908.6	926.5
65°	401.6	420.4	528.2	726.3	1120.2	2515.5	3965.9	4287.2	4281.7	3797.5	1269.9
67.5°	288.3	293.8	330.1	423.7	603.0	1102.6	3027.2	4004.4	4006.6	3226.4	1460.2
70°	258.6	258.6	267.4	294.9	363.1	493.0	1471.2	3242.9	3400.3	2491.3	1353.5
72.5°	255.3	253.1	250.9	252.0	245.4	247.6	505.1	1831.1	2055.6	1743.0	1079.5
75°	248.7	248.7	246.5	238.8	195.9	159.6	173.9	740.6	856.1	1164.2	801.1
77.5°	197.0	216.8	239.9	225.6	179.4	119.9	101.2	214.6	270.7	714.2	581.0
80°	91.3	92.4	91.3	95.7	114.4	85.8	74.8	104.5	105.6	396.1	359.8
82.5°	66.0	67.1	63.8	57.2	50.6	46.2	61.6	77.0	82.5	181.6	134.2
85°	19.8	18.7	22.0	29.7	35.2	40.7	51.7	64.9	68.2	67.1	19.8
87.5°	8.8	8.8	11.0	15.4	20.9	30.8	45.1	59.4	60.5	69.3	5.5
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-SA1B-835-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	27.5	26.4	25.3	24.2	23.1	22.0	20.9	20.9	22.0	22.0	22.0
5°	26.4	25.3	23.1	20.9	19.8	18.7	17.6	17.6	18.7	18.7	18.7
7.5°	26.4	24.2	22.0	19.8	17.6	16.5	15.4	15.4	15.4	16.5	16.5
10°	26.4	24.2	20.9	17.6	15.4	14.3	13.2	12.1	13.2	13.2	13.2
12.5°	25.3	23.1	19.8	16.5	13.2	11.0	9.9	9.9	9.9	9.9	9.9
15°	24.2	22.0	18.7	14.3	11.0	8.8	6.6	6.6	6.6	7.7	7.7
17.5°	23.1	20.9	16.5	11.0	7.7	5.5	4.4	4.4	4.4	5.5	5.5
20°	23.1	19.8	14.3	8.8	5.5	3.3	2.2	2.2	2.2	3.3	4.4
22.5°	23.1	19.8	13.2	6.6	3.3	2.2	1.1	1.1	1.1	1.1	1.1
25°	23.1	18.7	12.1	5.5	2.2	1.1	0.0	0.0	1.1	2.2	3.3
27.5°	23.1	17.6	9.9	3.3	2.2	1.1	0.0	1.1	2.2	2.2	2.2
30°	23.1	17.6	8.8	3.3	1.1	0.0	0.0	1.1	2.2	2.2	3.3
32.5°	24.2	16.5	7.7	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	25.3	15.4	6.6	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	27.5	15.4	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	30.8	16.5	4.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	38.5	17.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	53.9	22.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	79.2	33.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	115.5	45.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	142.0	45.1	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	140.9	28.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	107.8	19.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	91.3	14.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	110.0	11.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	195.9	9.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	314.7	9.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	352.1	9.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	275.1	8.8	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	150.8	7.7	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	75.9	5.5	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	31.9	4.4	2.2	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	11.0	4.4	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0
85°	5.5	3.3	3.3	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	2.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1
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

REPORT NUMBER: SP1-2407-184-10

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 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	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

$R_f = 86.6$
 $R_g = 95.9$
 $\text{CIE } R_a = 83.5$
 $R_9 = 6.3$



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)