

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: P1067343

Luminaire Tested: **NAV-SA1C-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067343
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1C-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4497.2 lumens
Efficiency: N/A
Efficacy: 89.8 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): 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

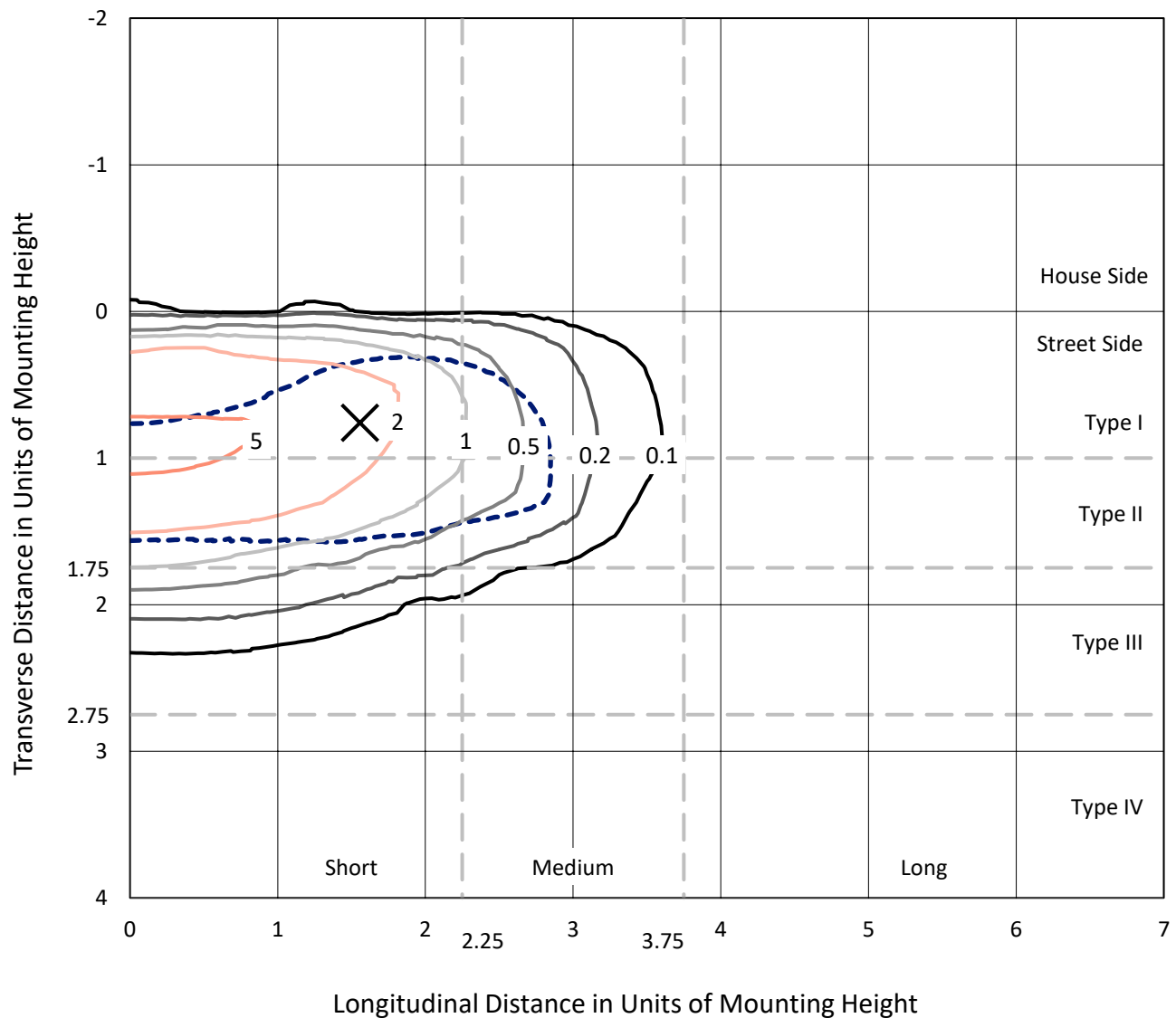


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

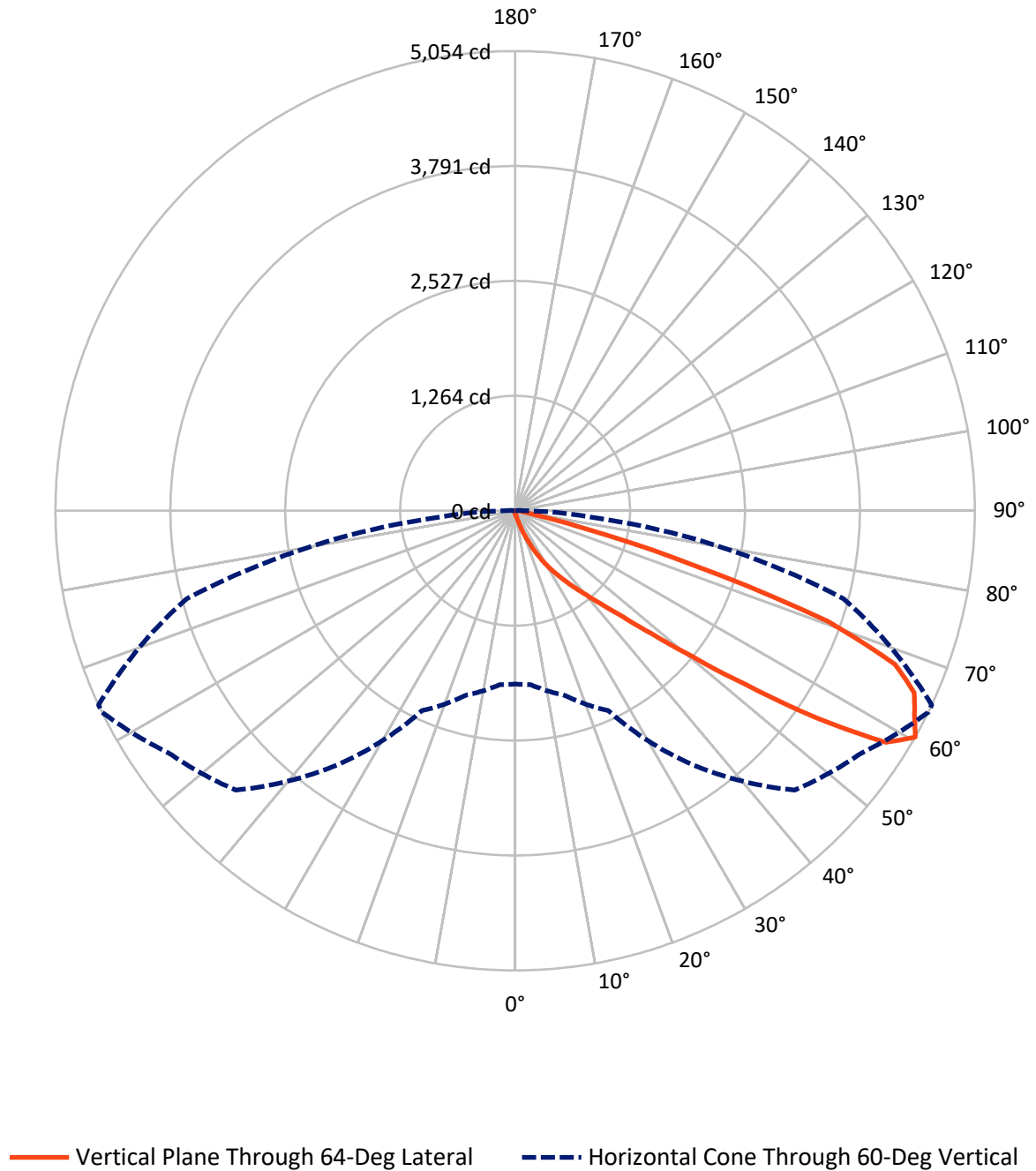


Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18.2	0.0	18.2
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	4479.0	0.0	4479.0
	% Fixture	99.6	0.0	99.6
Total	Lumens	4497.2	0.0	4497.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	44.2	1.0
20°-30°	146.8	3.3
30°-40°	391.6	8.7
40°-50°	995.5	22.1
50°-60°	1451.2	32.3
60°-70°	1120.9	24.9
70°-80°	307.8	6.8
80°-90°	34.7	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°	4497.2	100.0
0°-180°	4497.2	100.0



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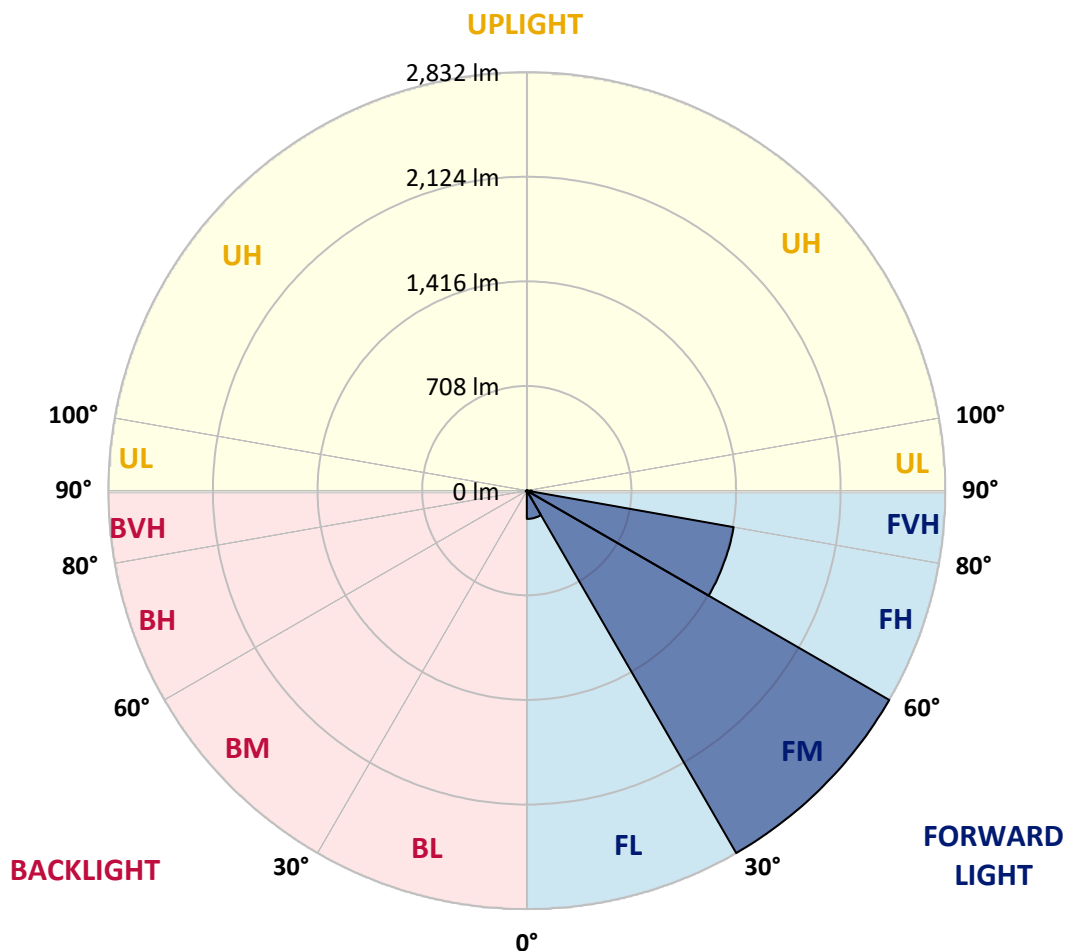
CATALOG NUMBER: NAV-SA1C-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	191.4	4.3			
FM	(30°-60°)	2832.3	63.0			
FH	(60°-80°)	1421.4	31.6			G1/1800
FVH	(80°-90°)	33.9	0.8			G1/100
BL	(0°-30°)	4.1	0.1	B0/110		
BM	(30°-60°)	6.0	0.1	B0/220		
BH	(60°-80°)	7.3	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-G1

Type II Short



REPORT NUMBER: P1067343

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
2.5°	39.6	39.6	39.6	38.4	37.1	37.1	35.9	34.7	34.7	32.2	30.9
5°	60.7	60.7	58.2	55.7	52.0	47.0	42.1	38.4	38.4	34.7	32.2
7.5°	118.8	122.6	111.4	97.8	79.2	66.8	53.2	44.6	43.3	37.1	32.2
10°	257.5	255.0	237.7	204.3	160.9	116.4	74.3	54.5	52.0	39.6	32.2
12.5°	387.5	391.2	372.6	335.5	283.5	206.7	127.5	70.6	68.1	43.3	32.2
15°	498.9	498.9	486.5	467.9	411.0	330.5	205.5	105.2	96.6	47.0	30.9
17.5°	575.6	574.4	569.4	564.5	531.1	448.1	314.4	168.4	148.6	55.7	30.9
20°	662.3	658.6	664.8	654.9	628.9	563.3	429.6	250.1	231.5	70.6	30.9
22.5°	752.7	756.4	761.3	751.4	722.9	666.0	550.9	355.3	335.5	97.8	32.2
25°	867.8	865.3	876.4	867.8	831.9	765.0	664.8	470.4	441.9	136.2	34.7
27.5°	1008.9	1004.0	1011.4	989.1	942.1	874.0	766.3	588.0	554.6	195.6	39.6
30°	1195.8	1199.5	1166.1	1140.1	1073.3	982.9	878.9	714.3	679.6	266.2	44.6
32.5°	1490.5	1464.5	1412.5	1307.2	1219.4	1104.2	991.6	824.5	793.5	356.5	52.0
35°	1949.7	1954.7	1840.8	1580.8	1390.2	1256.5	1115.4	945.8	923.5	459.3	61.9
37.5°	2509.3	2495.6	2395.4	2067.3	1640.2	1445.9	1256.5	1078.2	1046.0	570.7	74.3
40°	3143.1	3086.1	3028.0	2805.1	2161.4	1683.6	1434.7	1231.7	1207.0	699.4	94.1
42.5°	3650.6	3635.8	3645.7	3552.8	3030.4	2088.4	1671.2	1419.9	1390.2	859.1	128.7
45°	3900.7	3879.6	3939.1	4008.4	3874.7	2950.0	2052.5	1660.0	1620.4	1047.3	182.0
47.5°	3833.8	3819.0	3946.5	4082.7	4260.9	3949.0	2675.1	2019.0	1951.0	1288.7	261.2
50°	3504.5	3505.8	3715.0	3968.8	4251.0	4455.3	3597.4	2510.5	2425.1	1609.3	385.0
52.5°	3183.9	3193.8	3415.4	3785.6	4103.7	4514.7	4407.0	3172.8	3034.1	1986.9	531.1
55°	2854.6	2859.6	3055.2	3576.3	4034.4	4337.7	4822.9	4025.7	3878.4	2457.3	673.4
57.5°	2537.7	2537.7	2610.8	3073.8	3958.9	4321.6	4773.4	4805.6	4685.5	2994.5	778.7
60°	1906.4	1918.8	2100.7	2425.1	3414.2	4345.1	4647.1	5054.4	5054.4	3739.8	859.1
62.5°	963.1	981.7	1208.2	1523.9	2342.1	4020.8	4667.0	4929.4	4949.2	4397.1	1042.3
65°	451.8	472.9	594.2	817.0	1260.2	2829.9	4461.5	4822.9	4816.7	4272.1	1428.6
67.5°	324.3	330.5	371.4	476.6	678.4	1240.4	3405.5	4504.8	4507.3	3629.6	1642.7
70°	290.9	290.9	300.8	331.8	408.5	554.6	1655.1	3648.1	3825.2	2802.6	1522.6
72.5°	287.2	284.7	282.2	283.5	276.1	278.5	568.2	2059.9	2312.4	1960.9	1214.4
75°	279.8	279.8	277.3	268.6	220.3	179.5	195.6	833.1	963.1	1309.7	901.2
77.5°	221.6	243.9	269.9	253.8	201.8	134.9	113.9	241.4	304.5	803.4	653.6
80°	102.7	104.0	102.7	107.7	128.7	96.6	84.2	117.6	118.8	445.7	404.8
82.5°	74.3	75.5	71.8	64.4	56.9	52.0	69.3	86.7	92.8	204.3	151.0
85°	22.3	21.0	24.8	33.4	39.6	45.8	58.2	73.0	76.8	75.5	22.3
87.5°	9.9	9.9	12.4	17.3	23.5	34.7	50.8	66.8	68.1	78.0	6.2
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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CATALOG NUMBER: NAV-SA1C-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
2.5°	30.9	29.7	28.5	27.2	26.0	24.8	23.5	23.5	24.8	24.8	24.8
5°	29.7	28.5	26.0	23.5	22.3	21.0	19.8	19.8	21.0	21.0	21.0
7.5°	29.7	27.2	24.8	22.3	19.8	18.6	17.3	17.3	17.3	18.6	18.6
10°	29.7	27.2	23.5	19.8	17.3	16.1	14.9	13.6	14.9	14.9	14.9
12.5°	28.5	26.0	22.3	18.6	14.9	12.4	11.1	11.1	11.1	11.1	11.1
15°	27.2	24.8	21.0	16.1	12.4	9.9	7.4	7.4	7.4	8.7	8.7
17.5°	26.0	23.5	18.6	12.4	8.7	6.2	5.0	5.0	5.0	6.2	6.2
20°	26.0	22.3	16.1	9.9	6.2	3.7	2.5	2.5	2.5	3.7	5.0
22.5°	26.0	22.3	14.9	7.4	3.7	2.5	1.2	1.2	1.2	1.2	1.2
25°	26.0	21.0	13.6	6.2	2.5	1.2	0.0	0.0	1.2	2.5	3.7
27.5°	26.0	19.8	11.1	3.7	2.5	1.2	0.0	1.2	2.5	2.5	2.5
30°	26.0	19.8	9.9	3.7	1.2	0.0	0.0	1.2	2.5	2.5	3.7
32.5°	27.2	18.6	8.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	28.5	17.3	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	30.9	17.3	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	34.7	18.6	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	43.3	19.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	60.7	24.8	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	89.1	37.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	130.0	50.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	159.7	50.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	158.5	32.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	121.3	22.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	102.7	16.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	123.8	12.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	220.3	11.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	354.0	11.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	396.1	11.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	309.5	9.9	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	169.6	8.7	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	85.4	6.2	2.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	35.9	5.0	2.5	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0
82.5°	12.4	5.0	2.5	2.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0
85°	6.2	3.7	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0	0.0
87.5°	3.7	3.7	3.7	2.5	2.5	1.2	1.2	0.0	0.0	0.0	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-9

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-830-U-5WQ

Data in this report applies to families of products including GSS-SB1A-830-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-9
 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-830-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 80 CRI
 3000K CCT 26 LEDS

Spectral Parameters

CCT (K): 3055
 CIE u' : 0.2475
 CIE v' : 0.5247
 Duv: 0.0032
 CIE x: 0.4377
 CIE y: 0.4124
 CIE z: 0.1499
 Peak Wavelength (nm): 604
 Dominant Wavelength (nm): 581
 Purity: 55.16339
 R_f: 81.5
 R_g: 99.2

CRI (Ra): 80.9
 R1: 79.5
 R2: 85.6
 R3: 92.1
 R4: 82.4
 R5: 78.9
 R6: 81.7
 R7: 85.1
 R8: 61.9
 R9: 6.8
 R10: 67.1
 R11: 82.5
 R12: 63.4
 R13: 80.2
 R14: 95.1
 R15: 71.7



Test Conditions

Stabilization Time: 20M
 Operation Time: 1H 20M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-9

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 3000K 4-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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.28

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.33

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	170	NR	620	938	NR	750	35	NR	880	1	NR
365	0	NR	495	234	NR	625	894	NR	755	30	NR	885	1	NR
370	0	NR	500	302	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	371	NR	635	788	NR	765	22	NR	895	1	NR
380	0	NR	510	431	NR	640	728	NR	770	19	NR	900	1	NR
385	0	NR	515	482	NR	645	665	NR	775	16	NR	905	1	NR
390	0	NR	520	523	NR	650	603	NR	780	14	NR	910	0	NR
395	2	NR	525	553	NR	655	542	NR	785	12	NR	915	0	NR
400	4	NR	530	580	NR	660	484	NR	790	11	NR	920	0	NR
405	8	NR	535	603	NR	665	430	NR	795	9	NR	925	0	NR
410	18	NR	540	622	NR	670	377	NR	800	8	NR	930	0	NR
415	36	NR	545	644	NR	675	330	NR	805	7	NR	935	0	NR
420	71	NR	550	668	NR	680	289	NR	810	6	NR	940	0	NR
425	131	NR	555	693	NR	685	250	NR	815	5	NR	945	0	NR
430	215	NR	560	720	NR	690	218	NR	820	4	NR	950	0	NR
435	341	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	514	NR	570	792	NR	700	161	NR	830	3	NR	960	0	NR
445	576	NR	575	832	NR	705	139	NR	835	3	NR	965	0	NR
450	358	NR	580	875	NR	710	119	NR	840	3	NR	970	0	NR
455	222	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	170	NR	590	950	NR	720	88	NR	850	2	NR	980	0	NR
465	115	NR	595	977	NR	725	76	NR	855	2	NR	985	0	NR
470	88	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	87	NR	605	997	NR	735	56	NR	865	1	NR	995	0	NR
480	96	NR	610	990	NR	740	47	NR	870	1	NR	1000	0	NR
485	122	NR	615	971	NR	745	41	NR	875	1	NR			

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TM-30-18

Summary

$R_f = 81.5$
 $R_g = 99.2$
 $CIE R_a = 80.9$
 $R_9 = 6.8$



Color Vector Graphics



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

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 91	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 93
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 90	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 77	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



Color Rendition by Hue-Angle Bin



Measure Comparisons


(END OF REPORT)