

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: P1067358

Luminaire Tested: **NAV-SA5B-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067358
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5B-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 800mA 5xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (70) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17382.4 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G3

Input Watts (W): 178.8
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

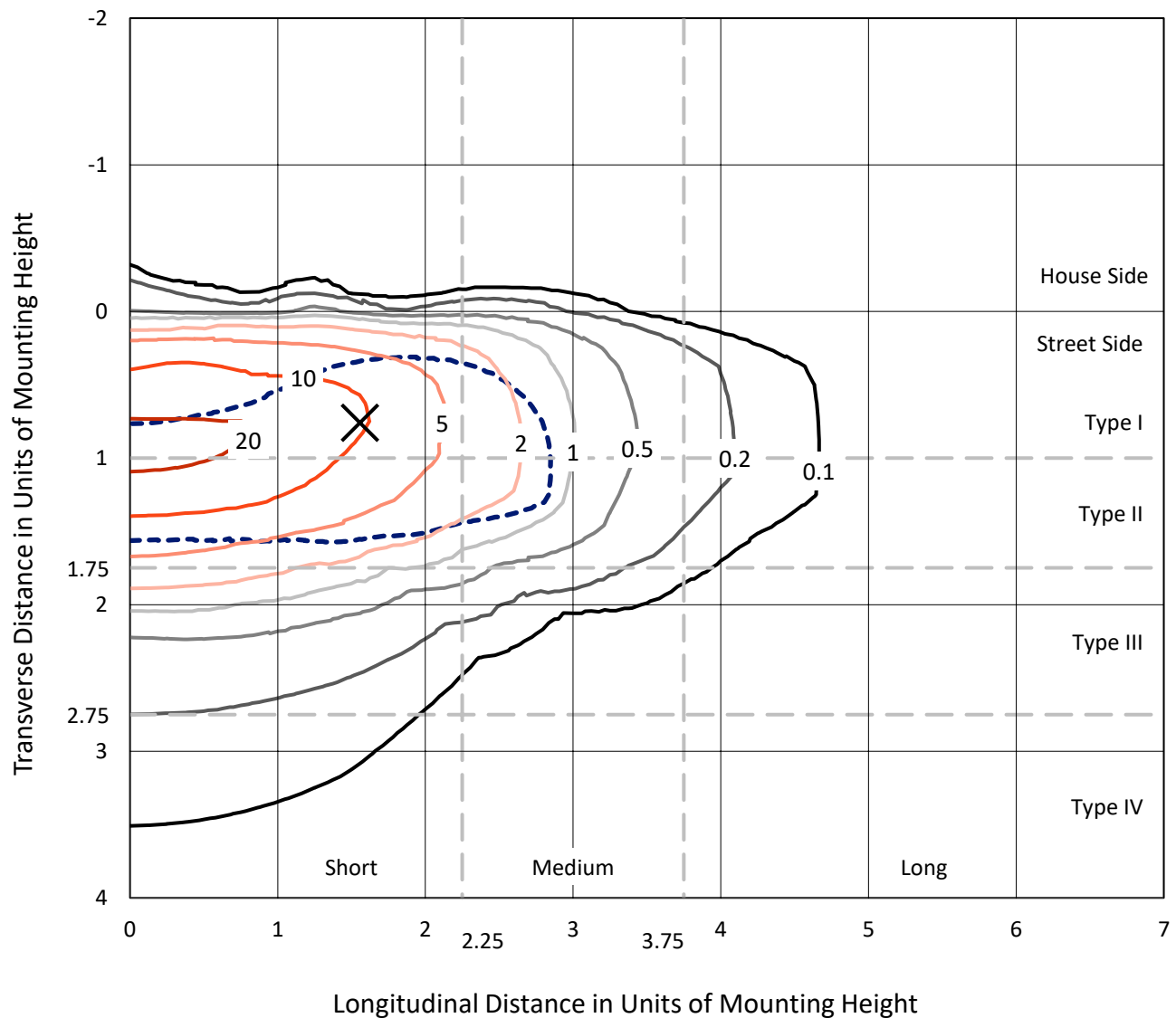


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

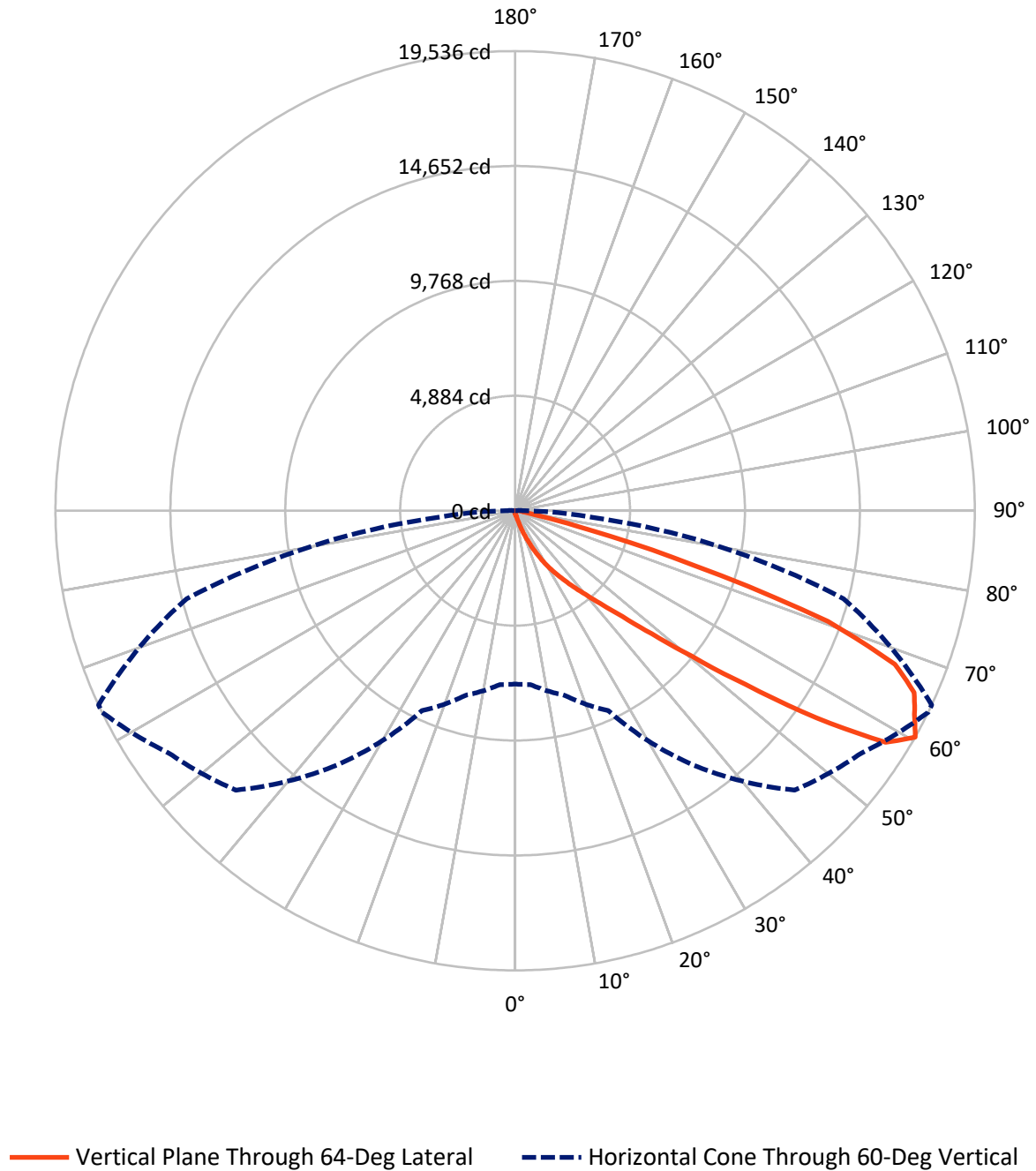


Based on 15 foot mounting height. Maximum calculated value = 24.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	70.5	0.0	70.5
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	17311.9	0.0	17311.9
	% Fixture	99.6	0.0	99.6
Total	Lumens	17382.4	0.0	17382.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.1
10°-20°	170.8	1.0
20°-30°	567.3	3.3
30°-40°	1513.8	8.7
40°-50°	3847.6	22.1
50°-60°	5609.0	32.3
60°-70°	4332.4	24.9
70°-80°	1189.8	6.8
80°-90°	134.3	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°	17382.4	100.0
0°-180°	17382.4	100.0



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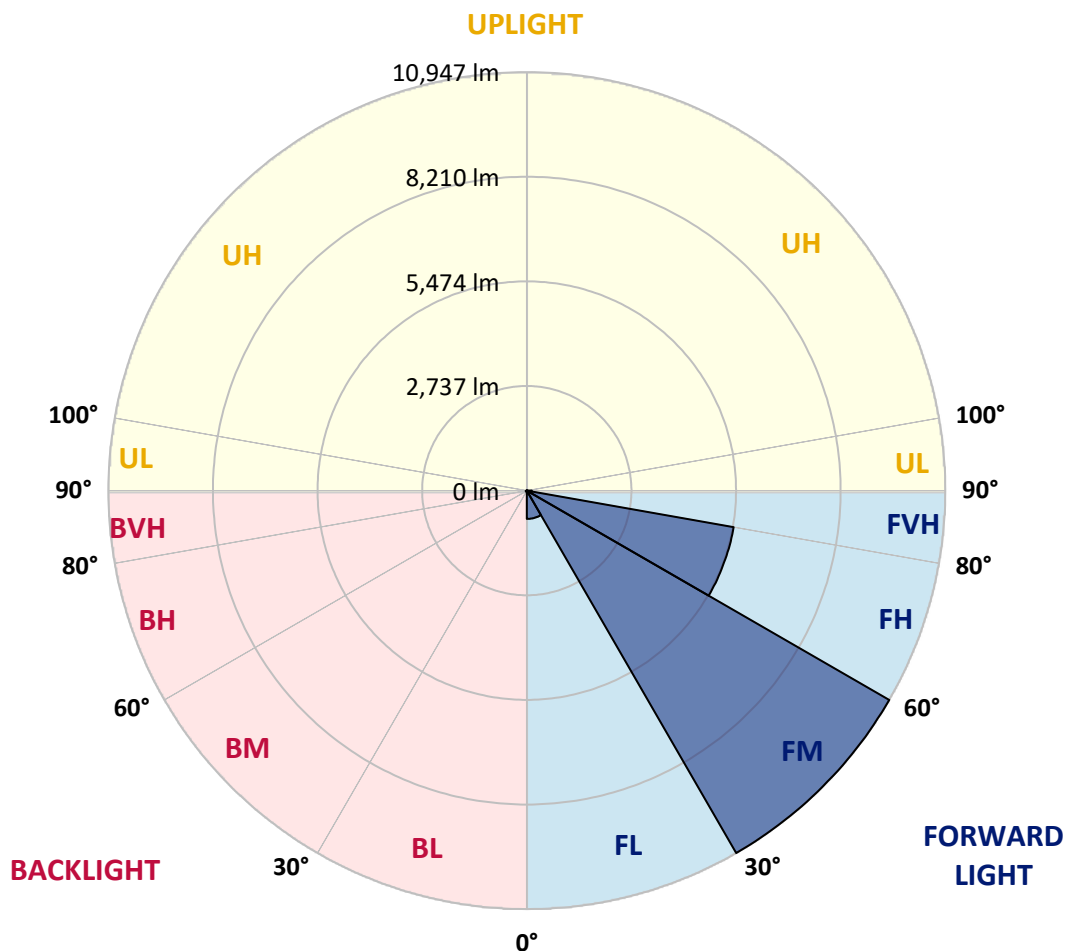
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	739.6	4.3			
FM	(30°-60°)	10947.1	63.0			
FH	(60°-80°)	5494.1	31.6			G3/7500
FVH	(80°-90°)	131.1	0.8			G2/225
BL	(0°-30°)	15.8	0.1	B0/110		
BM	(30°-60°)	23.4	0.1	B0/220		
BH	(60°-80°)	28.1	0.2	B0/110		G0/110
BVH	(80°-90°)	3.2	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8
2.5°	153.1	153.1	153.1	148.3	143.5	143.5	138.8	134.0	134.0	124.4	119.6
5°	234.5	234.5	224.9	215.3	201.0	181.8	162.7	148.3	148.3	134.0	124.4
7.5°	459.3	473.7	430.6	378.0	306.2	258.4	205.7	172.3	167.5	143.5	124.4
10°	995.2	985.7	918.7	789.5	622.0	449.8	287.1	210.5	201.0	153.1	124.4
12.5°	1497.6	1512.0	1440.2	1296.7	1095.7	799.1	492.8	272.7	263.2	167.5	124.4
15°	1928.2	1928.2	1880.4	1808.6	1588.5	1277.5	794.3	406.7	373.2	181.8	119.6
17.5°	2224.9	2220.1	2201.0	2181.8	2052.7	1732.1	1215.3	650.7	574.2	215.3	119.6
20°	2559.8	2545.5	2569.4	2531.1	2430.6	2177.1	1660.3	966.5	894.7	272.7	119.6
22.5°	2909.1	2923.5	2942.6	2904.3	2794.3	2574.2	2129.2	1373.2	1296.7	378.0	124.4
25°	3354.1	3344.5	3387.6	3354.1	3215.3	2957.0	2569.4	1818.2	1708.2	526.3	134.0
27.5°	3899.6	3880.4	3909.1	3823.0	3641.2	3378.0	2961.8	2272.7	2143.6	756.0	153.1
30°	4622.1	4636.4	4507.2	4406.7	4148.4	3799.1	3397.2	2760.8	2626.8	1028.7	172.3
32.5°	5760.8	5660.3	5459.4	5052.7	4713.0	4268.0	3832.6	3186.6	3067.0	1378.0	201.0
35°	7536.0	7555.1	7114.9	6110.1	5373.3	4856.5	4311.0	3655.5	3569.4	1775.1	239.2
37.5°	9698.7	9646.0	9258.5	7990.5	6339.8	5588.6	4856.5	4167.5	4043.1	2205.8	287.1
40°	12148.4	11928.3	11703.5	10842.2	8354.1	6507.2	5545.5	4760.8	4665.1	2703.4	363.6
42.5°	14110.2	14052.8	14091.0	13732.2	11713.0	8071.8	6459.4	5488.1	5373.3	3320.6	497.6
45°	15076.7	14995.4	15225.0	15493.0	14976.2	11402.0	7933.1	6416.3	6263.2	4047.9	703.4
47.5°	14818.3	14760.9	15253.7	15780.1	16469.1	15263.3	10339.8	7803.9	7540.7	4980.9	1009.6
50°	13545.6	13550.4	14359.0	15339.9	16430.8	17220.3	13904.4	9703.4	9373.3	6220.2	1488.1
52.5°	12306.3	12344.6	13201.1	14631.7	15861.4	17449.9	17033.7	12263.3	11727.4	7679.5	2052.7
55°	11033.6	11052.7	11808.7	13823.1	15593.5	16765.7	18641.3	15560.0	14990.6	9497.7	2602.9
57.5°	9808.7	9808.7	10091.0	11880.5	15301.6	16703.5	18449.9	18574.3	18110.2	11574.3	3009.6
60°	7368.5	7416.3	8119.7	9373.3	13196.3	16794.4	17961.9	19536.1	19536.1	14454.7	3320.6
62.5°	3722.5	3794.3	4669.9	5890.0	9052.7	15540.8	18038.5	19052.8	19129.4	16995.4	4028.7
65°	1746.4	1827.8	2296.7	3157.9	4870.9	10937.9	17244.2	18641.3	18617.4	16512.1	5521.6
67.5°	1253.6	1277.5	1435.4	1842.1	2622.0	4794.3	13162.8	17411.7	17421.2	14028.8	6349.3
70°	1124.4	1124.4	1162.7	1282.3	1579.0	2143.6	6397.2	14100.6	14784.8	10832.6	5885.2
72.5°	1110.1	1100.5	1090.9	1095.7	1067.0	1076.6	2196.2	7961.8	8937.9	7579.0	4693.8
75°	1081.4	1081.4	1071.8	1038.3	851.7	693.8	756.0	3220.1	3722.5	5062.3	3483.3
77.5°	856.5	942.6	1043.1	980.9	779.9	521.5	440.2	933.0	1177.0	3105.3	2526.3
80°	397.1	401.9	397.1	416.3	497.6	373.2	325.4	454.5	459.3	1722.5	1564.6
82.5°	287.1	291.9	277.5	248.8	220.1	201.0	267.9	334.9	358.9	789.5	583.7
85°	86.1	81.3	95.7	129.2	153.1	177.0	224.9	282.3	296.7	291.9	86.1
87.5°	38.3	38.3	47.8	67.0	90.9	134.0	196.2	258.4	263.2	301.4	23.9
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-SA5B-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8
2.5°	119.6	114.8	110.0	105.3	100.5	95.7	90.9	90.9	95.7	95.7	95.7
5°	114.8	110.0	100.5	90.9	86.1	81.3	76.6	76.6	81.3	81.3	81.3
7.5°	114.8	105.3	95.7	86.1	76.6	71.8	67.0	67.0	67.0	71.8	71.8
10°	114.8	105.3	90.9	76.6	67.0	62.2	57.4	52.6	57.4	57.4	57.4
12.5°	110.0	100.5	86.1	71.8	57.4	47.8	43.1	43.1	43.1	43.1	43.1
15°	105.3	95.7	81.3	62.2	47.8	38.3	28.7	28.7	28.7	33.5	33.5
17.5°	100.5	90.9	71.8	47.8	33.5	23.9	19.1	19.1	19.1	23.9	23.9
20°	100.5	86.1	62.2	38.3	23.9	14.4	9.6	9.6	9.6	14.4	19.1
22.5°	100.5	86.1	57.4	28.7	14.4	9.6	4.8	4.8	4.8	4.8	4.8
25°	100.5	81.3	52.6	23.9	9.6	4.8	0.0	0.0	4.8	9.6	14.4
27.5°	100.5	76.6	43.1	14.4	9.6	4.8	0.0	4.8	9.6	9.6	9.6
30°	100.5	76.6	38.3	14.4	4.8	0.0	0.0	4.8	9.6	9.6	14.4
32.5°	105.3	71.8	33.5	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	110.0	67.0	28.7	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	119.6	67.0	19.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	134.0	71.8	19.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	167.5	76.6	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	234.5	95.7	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	344.5	143.5	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	502.4	196.2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	617.2	196.2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	612.4	124.4	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	468.9	86.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	397.1	62.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	478.5	47.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	851.7	43.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1368.4	43.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1531.1	43.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1196.2	38.3	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	655.5	33.5	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	330.1	23.9	9.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	138.8	19.1	9.6	4.8	4.8	4.8	0.0	0.0	0.0	0.0	0.0
82.5°	47.8	19.1	9.6	9.6	4.8	4.8	0.0	0.0	0.0	0.0	0.0
85°	23.9	14.4	14.4	9.6	9.6	4.8	4.8	0.0	0.0	0.0	0.0
87.5°	14.4	14.4	14.4	9.6	9.6	4.8	4.8	0.0	0.0	0.0	4.8
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 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	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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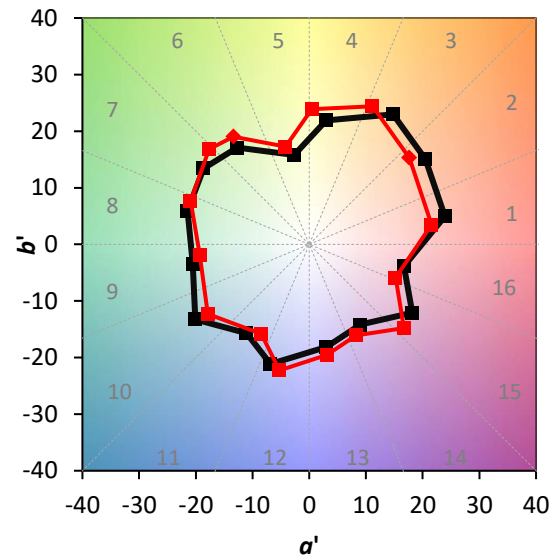
TM-30-18

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)