

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: P1067601

Luminaire Tested: **NAV-SA6A-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067601
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6A-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 6xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16961.9 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 161.6
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

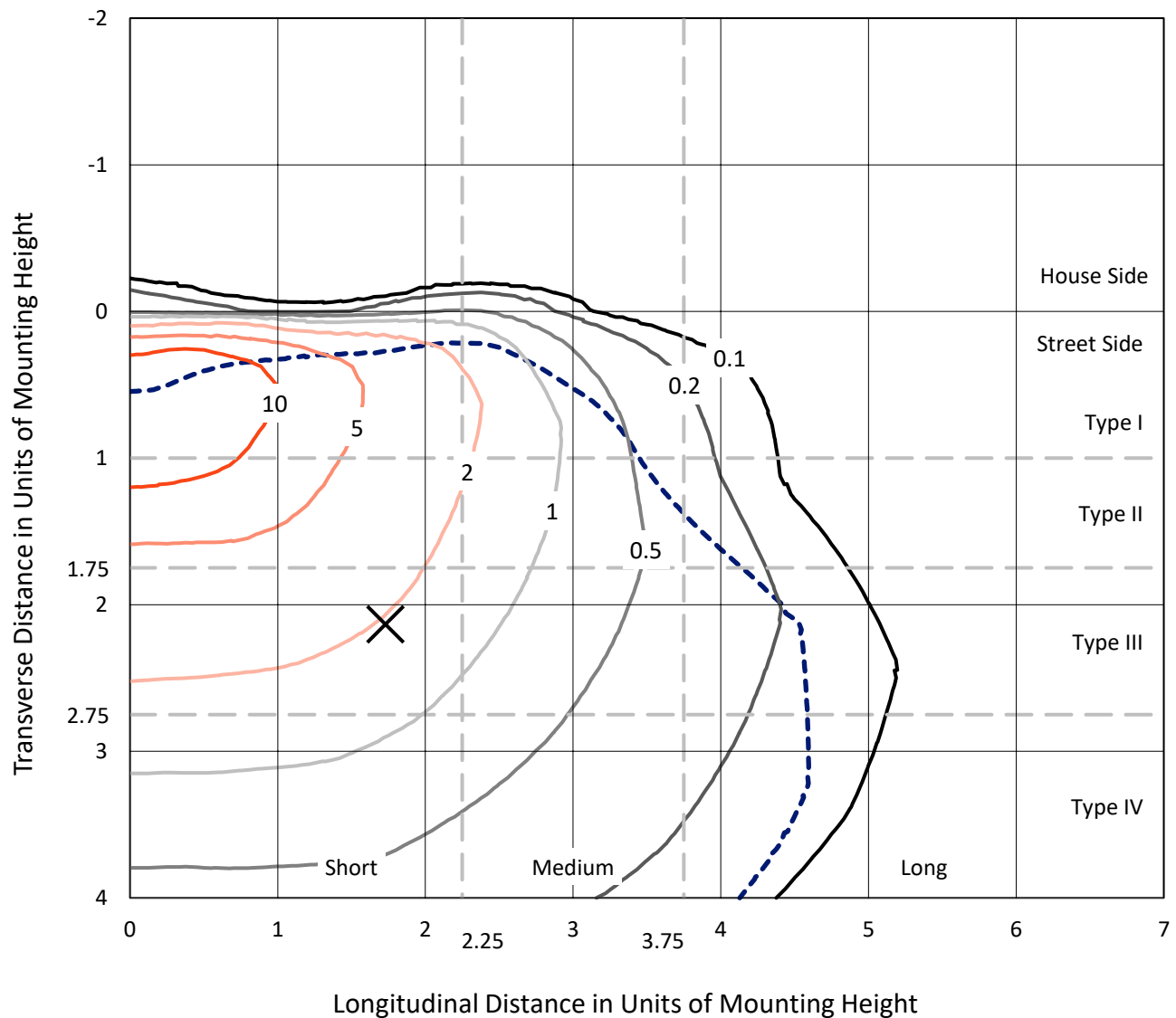


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

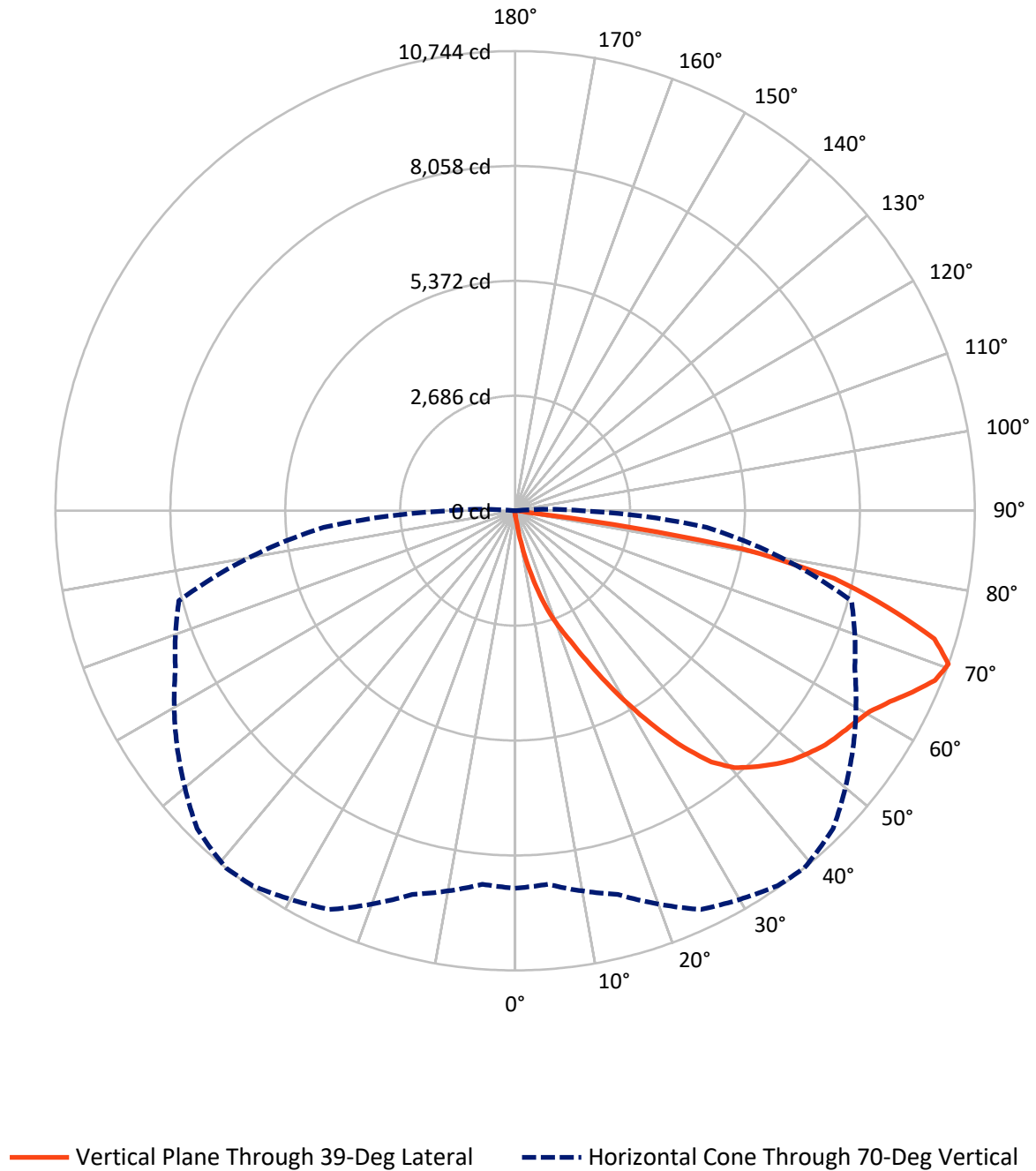


Based on 15 foot mounting height. Maximum calculated value = 18.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.2	0.0	52.2
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	16909.7	0.0	16909.7
	% Fixture	99.7	0.0	99.7
Total	Lumens	16961.9	0.0	16961.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.1
10°-20°	208.5	1.2
20°-30°	707.6	4.2
30°-40°	1663.1	9.8
40°-50°	2700.5	15.9
50°-60°	3422.0	20.2
60°-70°	4346.9	25.6
70°-80°	3531.8	20.8
80°-90°	363.7	2.1
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°	16961.9	100.0
0°-180°	16961.9	100.0



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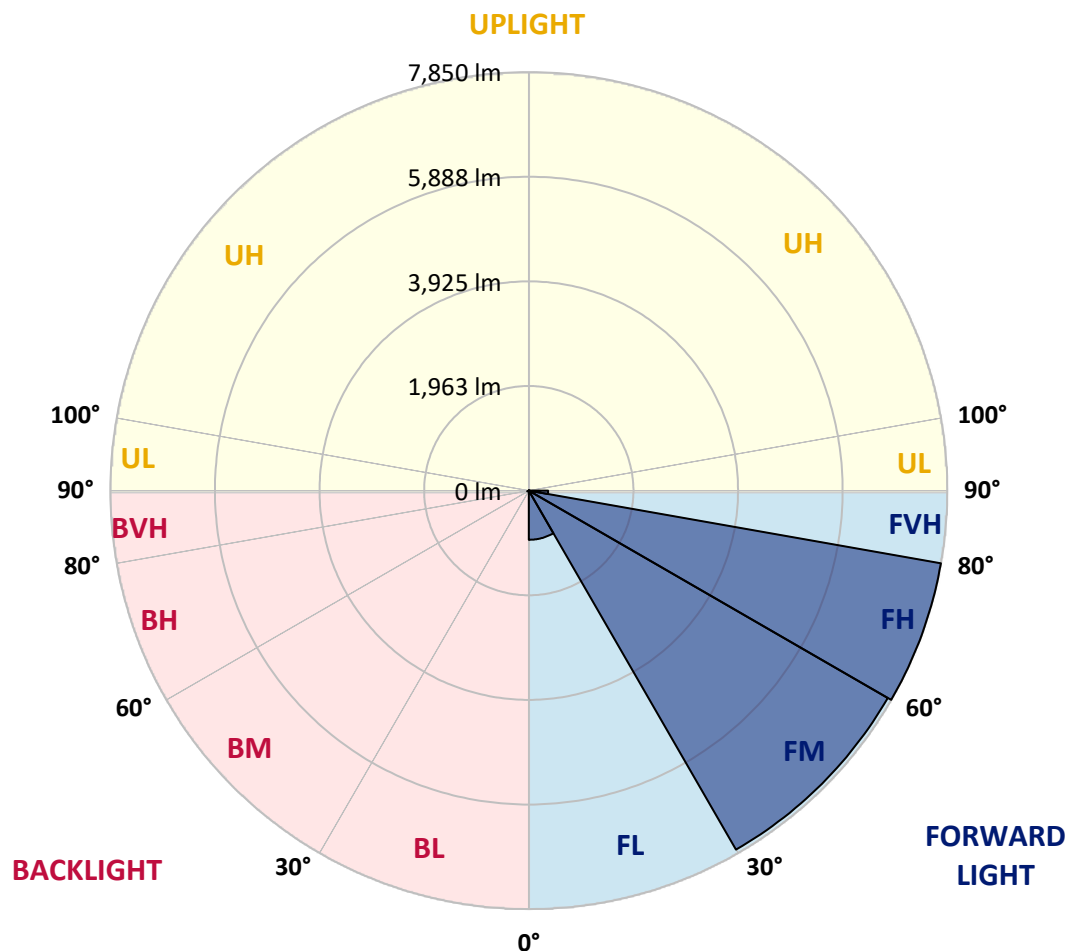
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	922.7	5.4			
FM	(30°-60°)	7775.5	45.8			
FH	(60°-80°)	7850.0	46.3			G4/12000
FVH	(80°-90°)	361.5	2.1			G3/500
BL	(0°-30°)	11.3	0.1	B0/110		
BM	(30°-60°)	10.0	0.1	B0/220		
BH	(60°-80°)	28.7	0.2	B0/110		G0/110
BVH	(80°-90°)	2.2	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2.5°	119.7	119.7	119.7	115.1	115.1	110.5	110.5	105.9	101.3	101.3	96.7
5°	225.7	230.3	216.4	188.8	170.4	161.2	152.0	128.9	115.1	105.9	96.7
7.5°	617.1	598.7	571.0	478.9	368.4	313.1	267.1	188.8	138.2	110.5	96.7
10°	1298.6	1248.0	1169.7	1045.4	828.9	741.4	575.6	345.4	193.4	124.3	96.7
12.5°	1906.5	1915.7	1819.0	1699.3	1436.8	1289.4	1063.8	649.3	303.9	147.4	96.7
15°	2367.0	2357.8	2321.0	2224.3	1989.4	1846.6	1644.0	1091.4	511.2	184.2	101.3
17.5°	2730.8	2694.0	2680.2	2638.7	2486.8	2408.5	2187.4	1607.2	810.5	248.7	105.9
20°	3094.6	3085.4	3071.6	3025.6	2924.2	2869.0	2698.6	2127.6	1206.5	354.6	115.1
22.5°	3624.2	3573.6	3582.8	3481.5	3398.6	3301.9	3163.7	2680.2	1662.4	506.6	128.9
25°	4245.9	4241.3	4167.6	4121.6	3983.4	3877.5	3693.3	3214.4	2169.0	732.2	142.8
27.5°	4978.1	4927.5	4895.2	4816.9	4674.2	4554.5	4301.2	3744.0	2717.0	985.5	161.2
30°	5742.6	5742.6	5682.7	5563.0	5424.8	5277.5	5019.6	4301.2	3260.4	1307.9	184.2
32.5°	6636.0	6654.4	6507.0	6327.4	6147.8	6046.5	5710.3	4932.1	3780.8	1676.3	211.8
35°	7501.7	7478.7	7234.6	7036.6	6903.1	6792.5	6507.0	5622.8	4370.2	2104.5	248.7
37.5°	8330.6	8270.8	7865.5	7584.6	7524.7	7451.1	7165.5	6313.6	4955.1	2578.9	294.7
40°	8924.7	8832.6	8413.5	8026.7	7939.2	7897.8	7676.7	6939.9	5572.2	3108.4	354.6
42.5°	9182.6	9076.7	8786.5	8473.4	8280.0	8183.3	7989.9	7451.1	6189.3	3697.9	442.1
45°	9233.2	9150.3	8943.1	8869.4	8606.9	8459.6	8197.1	7814.9	6764.9	4282.7	561.8
47.5°	9049.0	9012.2	8887.9	9044.4	8910.9	8708.3	8390.5	8086.6	7276.1	4991.9	727.6
50°	8597.7	8570.1	8630.0	9039.8	9131.9	8901.7	8602.3	8298.4	7718.2	5724.1	962.5
52.5°	7989.9	7985.3	8266.2	8920.1	9228.6	9085.9	8809.6	8510.2	8068.1	6433.3	1294.0
55°	7326.7	7405.0	7897.8	8809.6	9283.9	9219.4	9012.2	8699.0	8381.3	7091.9	1828.2
57.5°	7271.5	7239.2	7713.6	8763.5	9316.1	9353.0	9214.8	8897.1	8648.4	7630.7	2542.0
60°	7824.1	7750.4	7930.0	8860.2	9458.9	9523.4	9417.4	9049.0	8915.5	8054.3	3481.5
62.5°	8464.2	8395.1	8487.2	9233.2	9739.8	9831.9	9698.4	9205.6	9131.9	8349.1	4490.0
65°	8975.4	8920.1	9095.1	9790.5	10131.2	10209.5	10117.4	9495.7	9228.6	8588.5	5309.7
67.5°	9058.2	8989.2	9353.0	10163.5	10527.3	10582.5	10508.9	9776.6	9196.4	8606.9	5498.5
70°	8823.4	8763.5	9283.9	10283.2	10697.7	10743.7	10508.9	9643.1	8758.9	8137.2	4494.6
72.5°	8100.4	8146.4	8818.8	9993.1	10462.8	10251.0	9753.6	8970.7	8192.5	6898.4	3154.5
75°	6976.7	7027.4	7920.8	9196.4	9233.2	8975.4	8708.3	8252.4	7331.3	4545.2	2187.4
77.5°	4959.7	4780.1	6115.6	7593.8	7460.3	7626.1	7649.1	6866.2	6138.6	2367.0	1464.4
80°	488.1	414.5	769.1	2178.2	4812.3	5378.8	5599.8	5291.3	4526.8	1059.2	769.1
82.5°	105.9	105.9	115.1	124.3	193.4	290.1	1330.9	3260.4	2924.2	538.8	248.7
85°	59.9	59.9	73.7	87.5	115.1	128.9	152.0	202.6	787.5	193.4	46.1
87.5°	46.1	50.7	59.9	73.7	96.7	105.9	128.9	161.2	198.0	179.6	13.8
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°	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2.5°	96.7	92.1	87.5	82.9	78.3	78.3	73.7	73.7	73.7	73.7	73.7
5°	92.1	87.5	82.9	73.7	69.1	64.5	59.9	59.9	59.9	59.9	59.9
7.5°	92.1	87.5	78.3	69.1	59.9	55.3	50.7	46.1	46.1	50.7	50.7
10°	92.1	82.9	69.1	59.9	50.7	46.1	41.4	36.8	36.8	36.8	36.8
12.5°	87.5	78.3	64.5	55.3	46.1	36.8	27.6	23.0	23.0	23.0	23.0
15°	82.9	73.7	59.9	46.1	32.2	23.0	18.4	13.8	13.8	13.8	13.8
17.5°	82.9	69.1	55.3	41.4	23.0	13.8	9.2	4.6	4.6	4.6	9.2
20°	82.9	69.1	50.7	32.2	13.8	9.2	9.2	4.6	0.0	4.6	4.6
22.5°	82.9	64.5	41.4	23.0	13.8	9.2	4.6	0.0	0.0	0.0	0.0
25°	87.5	64.5	36.8	18.4	9.2	4.6	0.0	0.0	0.0	0.0	0.0
27.5°	87.5	59.9	32.2	13.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0
30°	92.1	59.9	27.6	9.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	92.1	55.3	18.4	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	92.1	50.7	13.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	92.1	46.1	13.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	96.7	41.4	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	101.3	36.8	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	105.9	32.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	119.7	32.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	138.2	32.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	165.8	32.2	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	216.4	27.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	313.1	27.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	525.0	27.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	921.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1556.5	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2030.9	32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1542.7	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	736.8	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	327.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	142.8	13.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	55.3	9.2	4.6	4.6	4.6	4.6	0.0	0.0	0.0	0.0	0.0
82.5°	23.0	9.2	4.6	4.6	4.6	4.6	4.6	0.0	0.0	0.0	0.0
85°	13.8	9.2	9.2	9.2	4.6	4.6	4.6	0.0	0.0	0.0	0.0
87.5°	9.2	9.2	9.2	9.2	9.2	4.6	4.6	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: SP1-2407-184-9

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 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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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)