

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: P1067595

Luminaire Tested: **NAV-SA4C-830-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067595
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4C-830-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17440 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 190.4
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

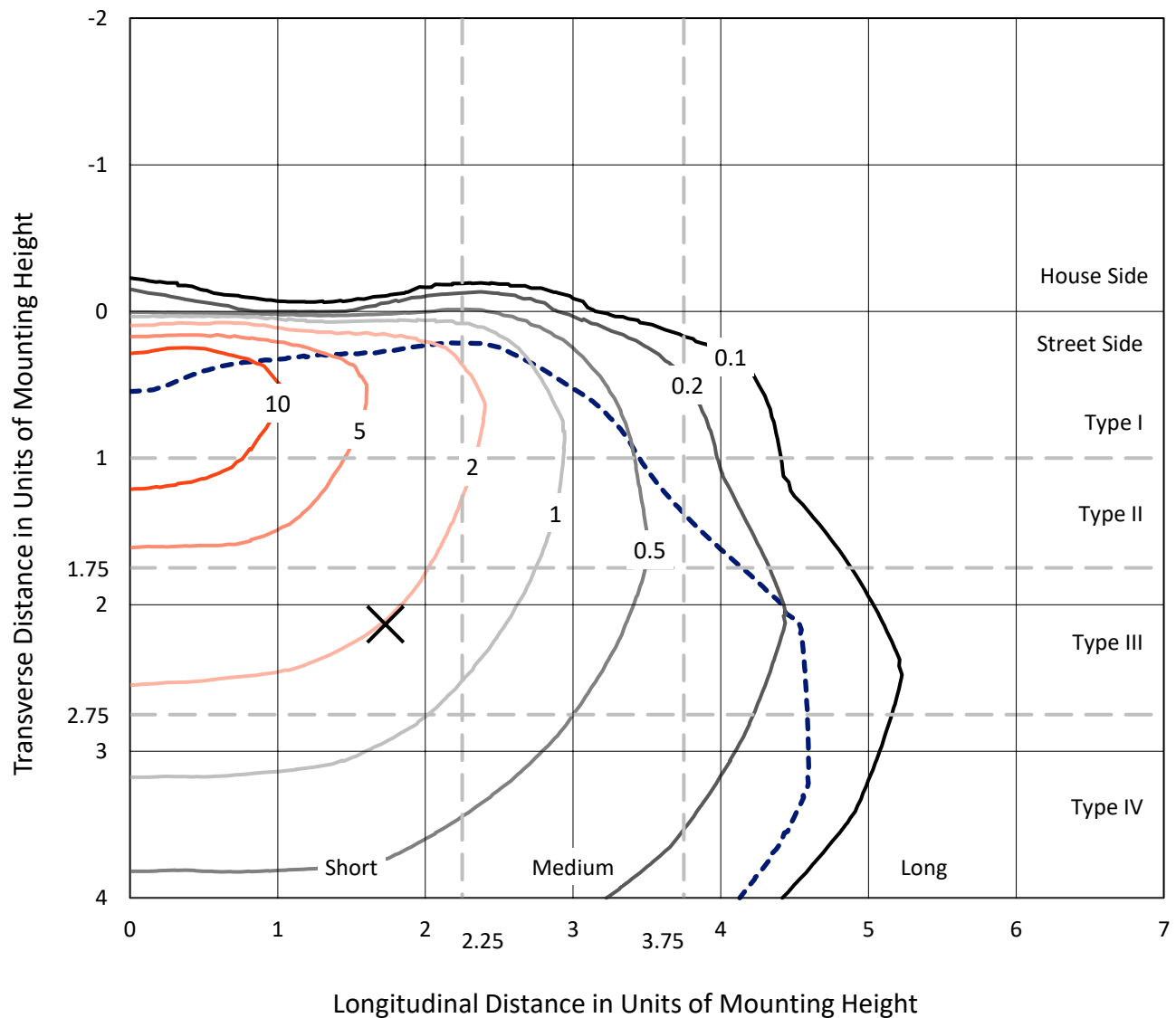


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

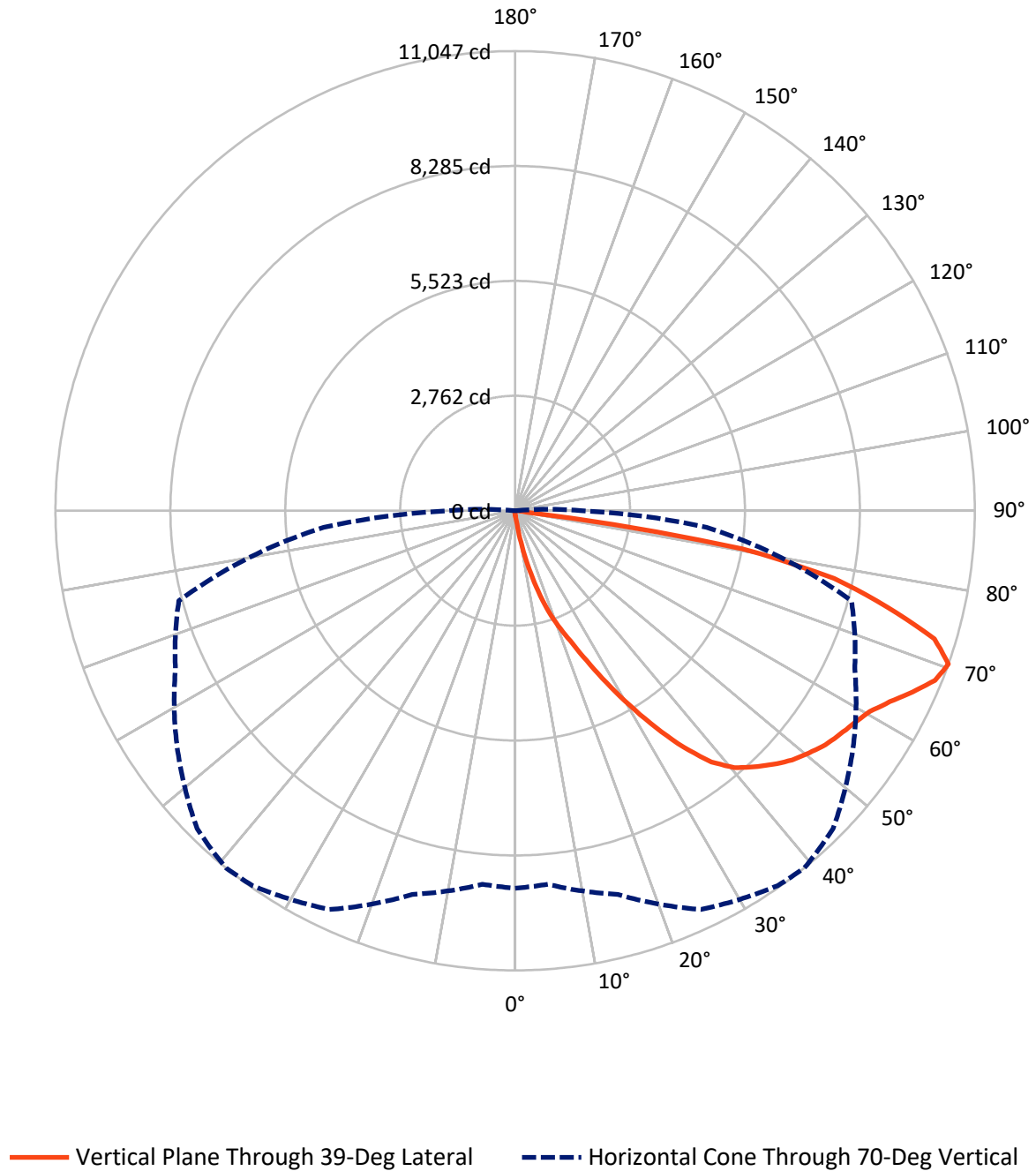


Based on 15 foot mounting height. Maximum calculated value = 19 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	53.7	0.0	53.7
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	17386.3	0.0	17386.3
	% Fixture	99.7	0.0	99.7
Total	Lumens	17440.0	0.0	17440.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	0.1
10°-20°	214.4	1.2
20°-30°	727.6	4.2
30°-40°	1709.9	9.8
40°-50°	2776.6	15.9
50°-60°	3518.5	20.2
60°-70°	4469.4	25.6
70°-80°	3631.4	20.8
80°-90°	373.9	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°	17440.0	100.0
0°-180°	17440.0	100.0



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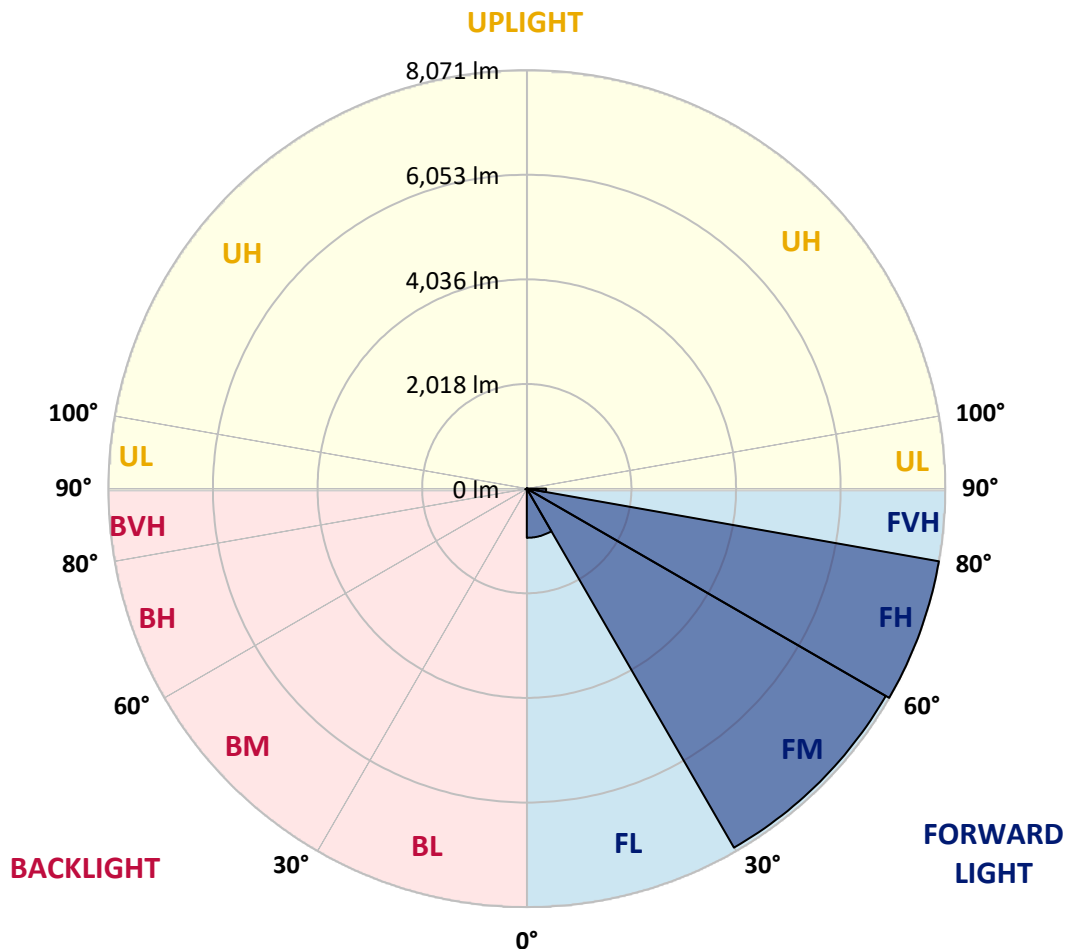
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	948.7	5.4			
FM	(30°-60°)	7994.7	45.8			
FH	(60°-80°)	8071.3	46.3			G4/12000
FVH	(80°-90°)	371.7	2.1			G3/500
BL	(0°-30°)	11.6	0.1	B0/110		
BM	(30°-60°)	10.3	0.1	B0/220		
BH	(60°-80°)	29.5	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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CATALOG NUMBER: NAV-SA4C-830-U-T4BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	123.1	123.1	123.1	118.4	118.4	113.6	113.6	108.9	104.2	104.2	99.4
5°	232.0	236.7	222.5	194.1	175.2	165.7	156.3	132.6	118.4	108.9	99.4
7.5°	634.5	615.5	587.1	492.4	378.8	322.0	274.6	194.1	142.0	113.6	99.4
10°	1335.2	1283.2	1202.7	1074.8	852.3	762.3	591.9	355.1	198.9	127.8	99.4
12.5°	1960.3	1969.7	1870.3	1747.2	1477.3	1325.8	1093.8	667.6	312.5	151.5	99.4
15°	2433.7	2424.3	2386.4	2287.0	2045.5	1898.7	1690.4	1122.2	525.6	189.4	104.2
17.5°	2807.8	2769.9	2755.7	2713.1	2556.8	2476.4	2249.1	1652.5	833.3	255.7	108.9
20°	3181.9	3172.4	3158.2	3110.8	3006.7	2949.8	2774.7	2187.5	1240.5	364.6	118.4
22.5°	3726.4	3674.3	3683.8	3579.6	3494.4	3394.9	3252.9	2755.7	1709.3	520.8	132.6
25°	4365.6	4360.8	4285.1	4237.7	4095.7	3986.8	3797.4	3305.0	2230.1	752.9	146.8
27.5°	5118.4	5066.3	5033.2	4952.7	4805.9	4682.8	4422.4	3849.5	2793.6	1013.3	165.7
30°	5904.4	5904.4	5842.9	5719.8	5577.7	5426.2	5161.0	4422.4	3352.3	1344.7	189.4
32.5°	6823.0	6841.9	6690.4	6505.8	6321.1	6216.9	5871.3	5071.1	3887.4	1723.5	217.8
35°	7713.2	7689.5	7438.5	7234.9	7097.6	6984.0	6690.4	5781.3	4493.4	2163.9	255.7
37.5°	8565.4	8503.9	8087.2	7798.4	7736.8	7661.1	7367.5	6491.6	5094.8	2651.5	303.0
40°	9176.2	9081.5	8650.7	8252.9	8163.0	8120.4	7893.1	7135.5	5729.2	3196.1	364.6
42.5°	9441.4	9332.5	9034.2	8712.2	8513.4	8413.9	8215.1	7661.1	6363.7	3802.1	454.6
45°	9493.5	9408.3	9195.2	9119.4	8849.5	8698.0	8428.1	8035.1	6955.6	4403.5	577.7
47.5°	9304.1	9266.2	9138.4	9299.4	9162.0	8953.7	8627.0	8314.5	7481.2	5132.6	748.1
50°	8840.1	8811.7	8873.2	9294.6	9389.3	9152.6	8844.8	8532.3	7935.7	5885.5	989.6
52.5°	8215.1	8210.3	8499.2	9171.5	9488.8	9342.0	9057.9	8750.1	8295.6	6614.7	1330.5
55°	7533.2	7613.7	8120.4	9057.9	9545.6	9479.3	9266.2	8944.2	8617.5	7291.8	1879.8
57.5°	7476.4	7443.3	7931.0	9010.5	9578.7	9616.6	9474.5	9147.8	8892.2	7845.7	2613.7
60°	8044.6	7968.8	8153.5	9110.0	9725.5	9791.8	9682.9	9304.1	9166.8	8281.4	3579.6
62.5°	8702.8	8631.7	8726.4	9493.5	10014.3	10109.0	9971.7	9465.1	9389.3	8584.4	4616.5
65°	9228.3	9171.5	9351.4	10066.4	10416.8	10497.3	10402.6	9763.4	9488.8	8830.6	5459.3
67.5°	9313.6	9242.5	9616.6	10449.9	10824.0	10880.8	10805.1	10052.2	9455.6	8849.5	5653.5
70°	9072.1	9010.5	9545.6	10573.0	10999.2	11046.5	10805.1	9914.9	9005.8	8366.6	4621.3
72.5°	8328.7	8376.0	9067.3	10274.7	10757.7	10539.9	10028.5	9223.6	8423.4	7092.9	3243.4
75°	7173.4	7225.5	8144.0	9455.6	9493.5	9228.3	8953.7	8485.0	7538.0	4673.4	2249.1
77.5°	5099.5	4914.8	6288.0	7807.9	7670.5	7841.0	7864.7	7059.7	6311.6	2433.7	1505.7
80°	501.9	426.1	790.7	2239.6	4948.0	5530.4	5757.6	5440.4	4654.4	1089.0	790.7
82.5°	108.9	108.9	118.4	127.8	198.9	298.3	1368.4	3352.3	3006.7	554.0	255.7
85°	61.6	61.6	75.8	90.0	118.4	132.6	156.3	208.3	809.7	198.9	47.3
87.5°	47.3	52.1	61.6	75.8	99.4	108.9	132.6	165.7	203.6	184.7	14.2
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-SA4C-830-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2.5°	99.4	94.7	90.0	85.2	80.5	80.5	75.8	75.8	75.8	75.8	75.8
5°	94.7	90.0	85.2	75.8	71.0	66.3	61.6	61.6	61.6	61.6	61.6
7.5°	94.7	90.0	80.5	71.0	61.6	56.8	52.1	47.3	47.3	52.1	52.1
10°	94.7	85.2	71.0	61.6	52.1	47.3	42.6	37.9	37.9	37.9	37.9
12.5°	90.0	80.5	66.3	56.8	47.3	37.9	28.4	23.7	23.7	23.7	23.7
15°	85.2	75.8	61.6	47.3	33.1	23.7	18.9	14.2	14.2	14.2	14.2
17.5°	85.2	71.0	56.8	42.6	23.7	14.2	9.5	4.7	4.7	4.7	9.5
20°	85.2	71.0	52.1	33.1	14.2	9.5	9.5	4.7	0.0	4.7	4.7
22.5°	85.2	66.3	42.6	23.7	14.2	9.5	4.7	0.0	0.0	0.0	0.0
25°	90.0	66.3	37.9	18.9	9.5	4.7	0.0	0.0	0.0	0.0	0.0
27.5°	90.0	61.6	33.1	14.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0
30°	94.7	61.6	28.4	9.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	94.7	56.8	18.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	94.7	52.1	14.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	94.7	47.3	14.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	99.4	42.6	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	104.2	37.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	108.9	33.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	123.1	33.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	142.0	33.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	170.5	33.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	222.5	28.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	322.0	28.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	539.8	28.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	947.0	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1600.4	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2088.1	33.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1586.2	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	757.6	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	336.2	18.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	146.8	14.2	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	56.8	9.5	4.7	4.7	4.7	4.7	0.0	0.0	0.0	0.0	0.0
82.5°	23.7	9.5	4.7	4.7	4.7	4.7	4.7	0.0	0.0	0.0	0.0
85°	14.2	9.5	9.5	9.5	4.7	4.7	4.7	0.0	0.0	0.0	0.0
87.5°	9.5	9.5	9.5	9.5	9.5	4.7	4.7	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)