

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: P1067359

Luminaire Tested: **NAV-SA5C-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067359
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA5C-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1050mA 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: 21608.9 lumens
Efficiency: N/A
Efficacy: 91.6 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): 236
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

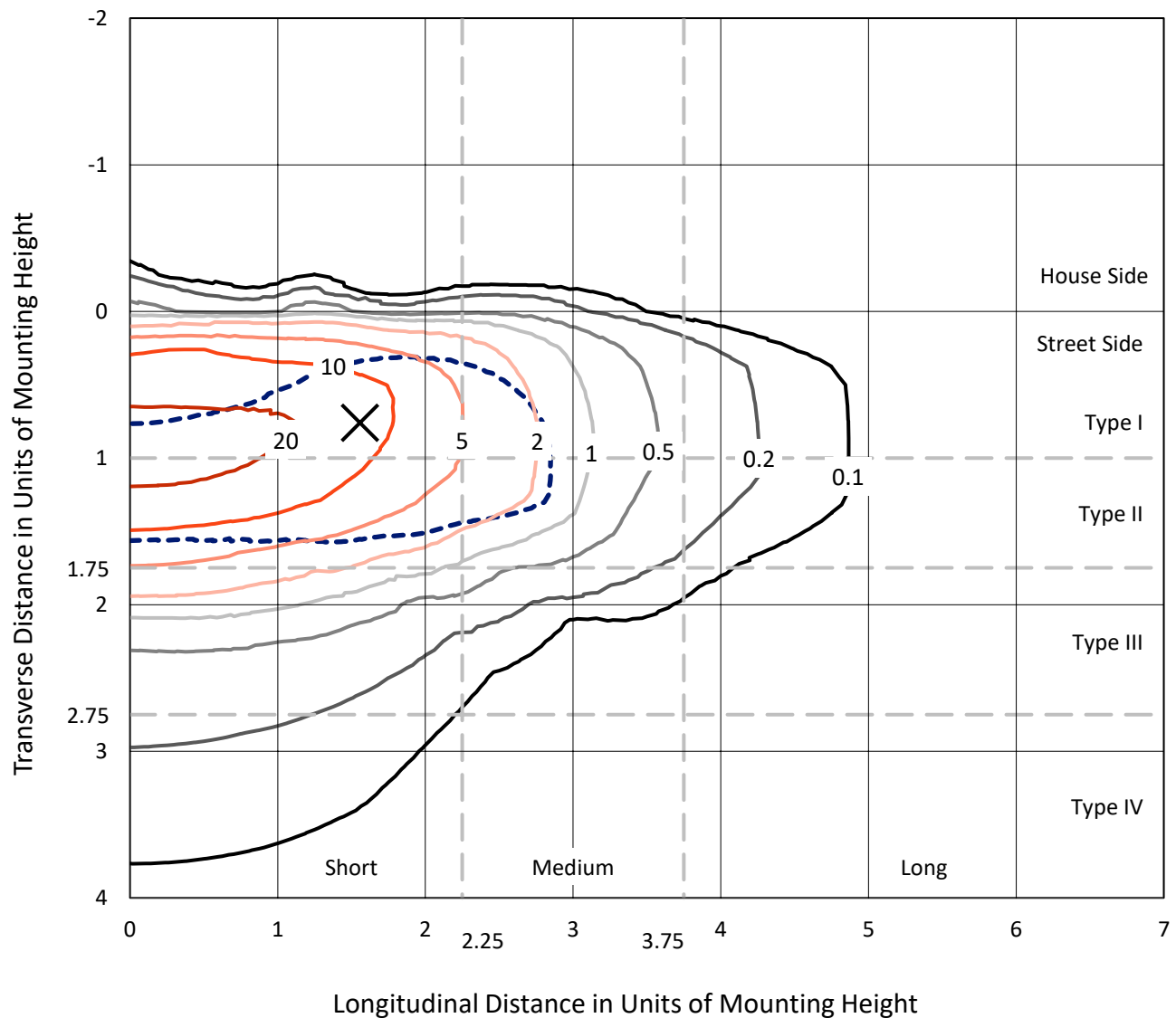


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

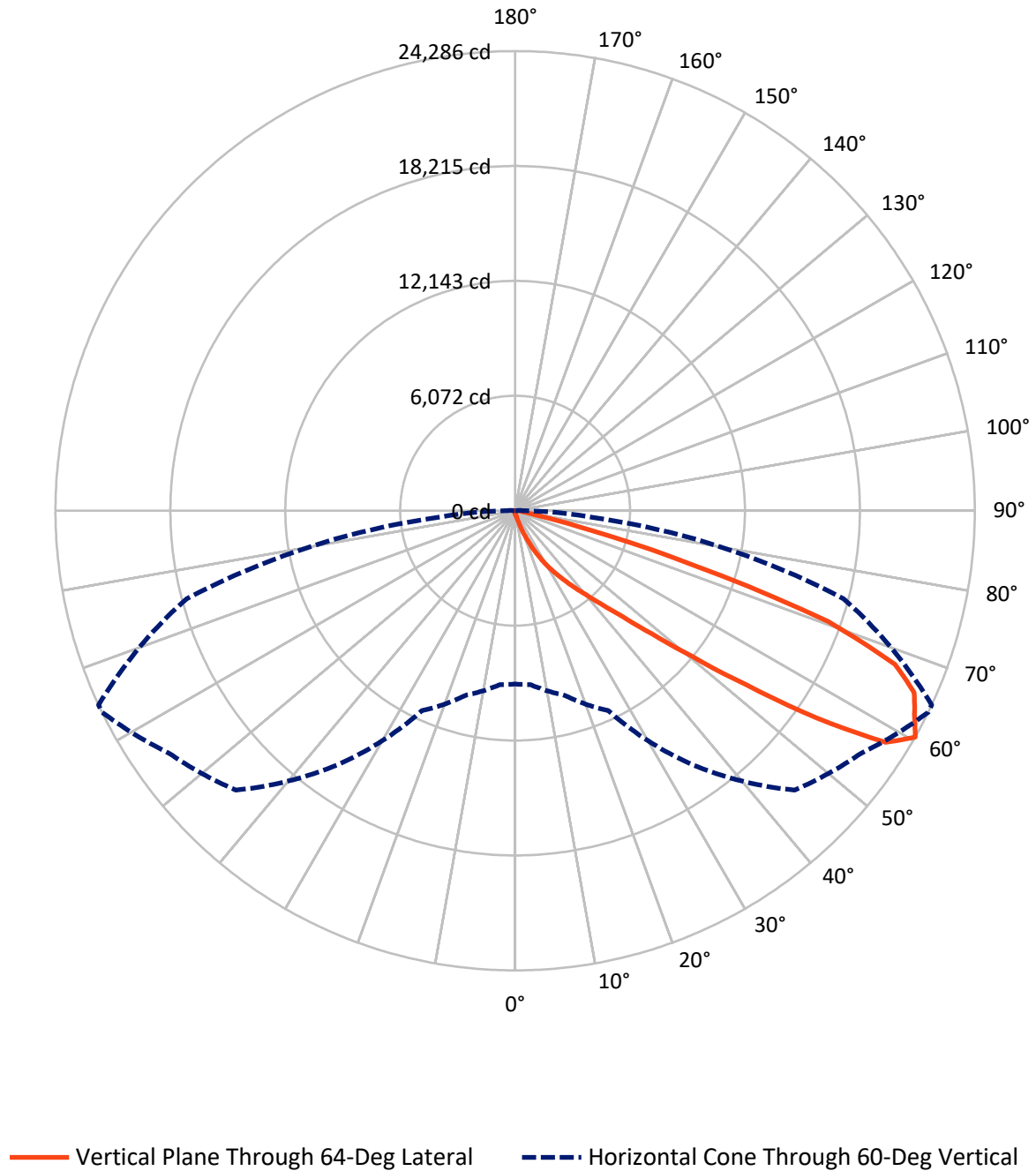


Based on 15 foot mounting height. Maximum calculated value = 31 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	87.6	0.0	87.6
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	21521.3	0.0	21521.3
	% Fixture	99.6	0.0	99.6
Total	Lumens	21608.9	0.0	21608.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	0.1
10°-20°	212.4	1.0
20°-30°	705.3	3.3
30°-40°	1881.9	8.7
40°-50°	4783.2	22.1
50°-60°	6972.9	32.3
60°-70°	5385.9	24.9
70°-80°	1479.0	6.8
80°-90°	166.9	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°	21608.9	100.0
0°-180°	21608.9	100.0



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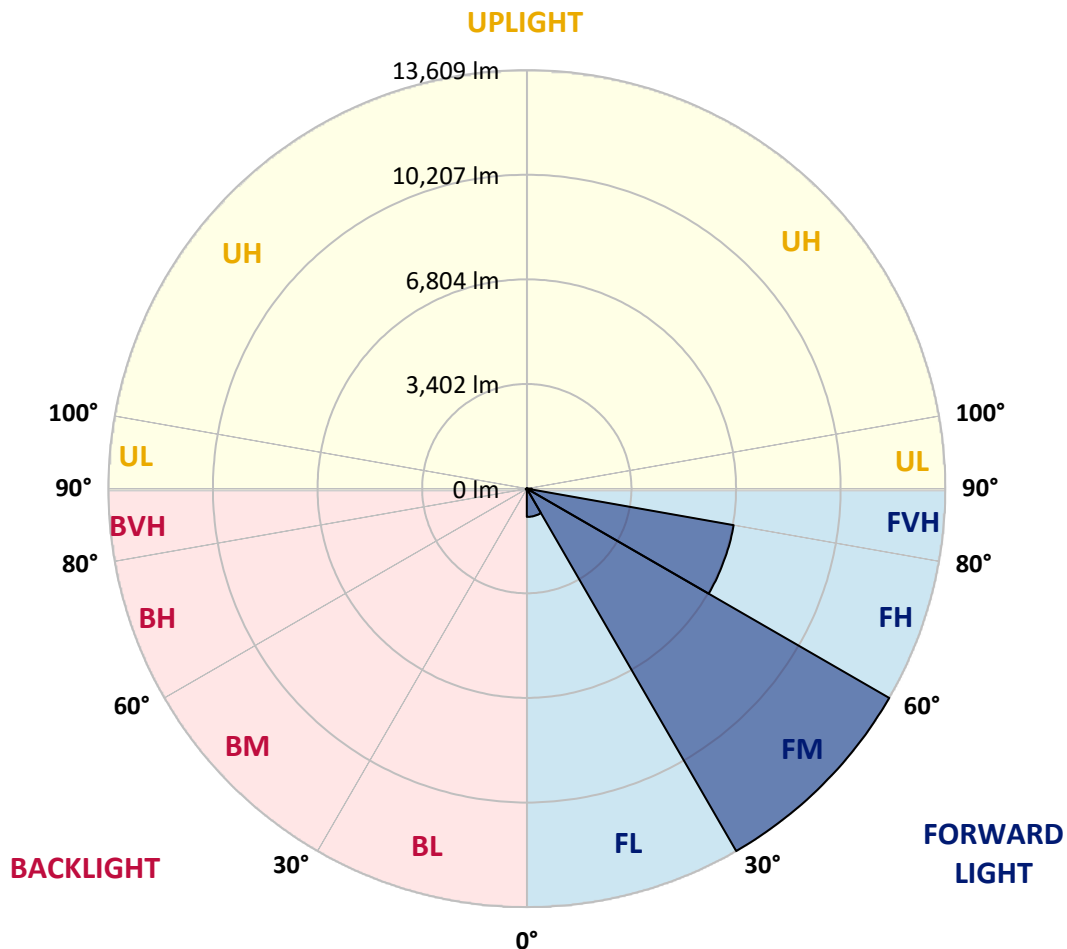
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	919.4	4.3			
FM	(30°-60°)	13608.9	63.0			
FH	(60°-80°)	6830.0	31.6			G3/7500
FVH	(80°-90°)	163.0	0.8			G2/225
BL	(0°-30°)	19.7	0.1	B0/110		
BM	(30°-60°)	29.0	0.1	B0/220		
BH	(60°-80°)	34.9	0.2	B0/110		G0/110
BVH	(80°-90°)	3.9	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°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	190.3	190.3	190.3	184.4	178.4	178.4	172.5	166.5	166.5	154.7	148.7
5°	291.5	291.5	279.6	267.7	249.8	226.0	202.2	184.4	184.4	166.5	154.7
7.5°	571.0	588.9	535.3	469.9	380.7	321.2	255.8	214.1	208.2	178.4	154.7
10°	1237.2	1225.3	1142.0	981.4	773.3	559.1	356.9	261.7	249.8	190.3	154.7
12.5°	1861.8	1879.6	1790.4	1612.0	1362.1	993.3	612.7	339.0	327.1	208.2	154.7
15°	2397.1	2397.1	2337.6	2248.4	1974.8	1588.2	987.4	505.6	464.0	226.0	148.7
17.5°	2765.9	2759.9	2736.2	2712.4	2551.8	2153.2	1510.8	808.9	713.8	267.7	148.7
20°	3182.3	3164.4	3194.2	3146.6	3021.7	2706.4	2064.0	1201.5	1112.3	339.0	148.7
22.5°	3616.5	3634.3	3658.1	3610.5	3473.7	3200.1	2646.9	1707.1	1612.0	469.9	154.7
25°	4169.7	4157.8	4211.3	4169.7	3997.2	3676.0	3194.2	2260.3	2123.5	654.3	166.5
27.5°	4847.8	4824.0	4859.6	4752.6	4526.6	4199.4	3681.9	2825.4	2664.8	939.8	190.3
30°	5745.9	5763.8	5603.2	5478.3	5157.1	4722.8	4223.2	3432.1	3265.5	1278.9	214.1
32.5°	7161.6	7036.7	6786.9	6281.3	5858.9	5305.8	4764.5	3961.5	3812.8	1713.1	249.8
35°	9368.4	9392.1	8844.9	7595.8	6679.8	6037.4	5359.3	4544.4	4437.3	2206.8	297.4
37.5°	12056.9	11991.5	11509.7	9933.4	7881.3	6947.5	6037.4	5180.8	5026.2	2742.1	356.9
40°	15102.4	14828.8	14549.2	13478.5	10385.5	8089.5	6893.9	5918.4	5799.5	3360.7	452.1
42.5°	17541.1	17469.7	17517.3	17071.2	14561.1	10034.5	8030.0	6822.5	6679.8	4128.0	618.6
45°	18742.7	18641.5	18927.0	19260.1	18617.7	14174.5	9862.1	7976.5	7786.1	5032.1	874.4
47.5°	18421.5	18350.1	18962.7	19617.0	20473.6	18974.6	12854.0	9701.5	9374.3	6192.0	1255.1
50°	16839.2	16845.2	17850.4	19069.8	20426.0	21407.4	17285.4	12062.9	11652.4	7732.6	1849.9
52.5°	15298.7	15346.3	16411.0	18189.5	19718.2	21692.9	21175.5	15245.1	14578.9	9546.8	2551.8
55°	13716.5	13740.3	14680.1	17184.2	19385.1	20842.4	23174.0	19343.4	18635.6	11807.1	3235.8
57.5°	12193.7	12193.7	12544.7	14769.3	19022.2	20765.0	22936.1	23090.8	22513.8	14388.6	3741.4
60°	9160.2	9219.7	10094.0	11652.4	16405.0	20878.0	22329.4	24286.3	24286.3	17969.4	4128.0
62.5°	4627.7	4716.9	5805.4	7322.2	11253.9	19319.6	22424.6	23685.6	23780.7	21127.9	5008.4
65°	2171.1	2272.2	2855.1	3925.8	6055.2	13597.5	21437.2	23174.0	23144.3	20527.1	6864.2
67.5°	1558.4	1588.2	1784.4	2290.0	3259.6	5960.1	16363.4	21645.4	21657.3	17440.0	7893.2
70°	1397.8	1397.8	1445.4	1594.1	1962.9	2664.8	7952.7	17529.2	18379.8	13466.6	7316.2
72.5°	1380.0	1368.1	1356.2	1362.1	1326.4	1338.3	2730.2	9897.7	11111.2	9421.9	5835.1
75°	1344.3	1344.3	1332.4	1290.8	1058.8	862.5	939.8	4003.1	4627.7	6293.2	4330.3
77.5°	1064.7	1171.8	1296.7	1219.4	969.6	648.3	547.2	1159.9	1463.2	3860.4	3140.6
80°	493.7	499.6	493.7	517.5	618.6	464.0	404.5	565.1	571.0	2141.3	1945.0
82.5°	356.9	362.8	345.0	309.3	273.6	249.8	333.1	416.4	446.1	981.4	725.7
85°	107.1	101.1	119.0	160.6	190.3	220.1	279.6	350.9	368.8	362.8	107.1
87.5°	47.6	47.6	59.5	83.3	113.0	166.5	243.9	321.2	327.1	374.7	29.7
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-SA5C-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	148.7	142.8	136.8	130.9	124.9	119.0	113.0	113.0	119.0	119.0	119.0
5°	142.8	136.8	124.9	113.0	107.1	101.1	95.2	95.2	101.1	101.1	101.1
7.5°	142.8	130.9	119.0	107.1	95.2	89.2	83.3	83.3	83.3	89.2	89.2
10°	142.8	130.9	113.0	95.2	83.3	77.3	71.4	65.4	71.4	71.4	71.4
12.5°	136.8	124.9	107.1	89.2	71.4	59.5	53.5	53.5	53.5	53.5	53.5
15°	130.9	119.0	101.1	77.3	59.5	47.6	35.7	35.7	35.7	41.6	41.6
17.5°	124.9	113.0	89.2	59.5	41.6	29.7	23.8	23.8	23.8	29.7	29.7
20°	124.9	107.1	77.3	47.6	29.7	17.8	11.9	11.9	11.9	17.8	23.8
22.5°	124.9	107.1	71.4	35.7	17.8	11.9	5.9	5.9	5.9	5.9	5.9
25°	124.9	101.1	65.4	29.7	11.9	5.9	0.0	0.0	5.9	11.9	17.8
27.5°	124.9	95.2	53.5	17.8	11.9	5.9	0.0	5.9	11.9	11.9	11.9
30°	124.9	95.2	47.6	17.8	5.9	0.0	0.0	5.9	11.9	11.9	17.8
32.5°	130.9	89.2	41.6	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	136.8	83.3	35.7	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	148.7	83.3	23.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	166.5	89.2	23.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	208.2	95.2	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	291.5	119.0	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	428.3	178.4	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	624.6	243.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	767.3	243.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	761.4	154.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	582.9	107.1	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	493.7	77.3	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	594.8	59.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1058.8	53.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1701.2	53.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1903.4	53.5	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1487.0	47.6	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	814.9	41.6	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	410.4	29.7	11.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	172.5	23.8	11.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	59.5	23.8	11.9	11.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0
85°	29.7	17.8	17.8	11.9	11.9	5.9	5.9	0.0	0.0	0.0	0.0
87.5°	17.8	17.8	17.8	11.9	11.9	5.9	5.9	0.0	0.0	0.0	5.9
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 $\text{W}^{\wedge}/\text{nm}$	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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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

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



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)