

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: P1067364

Luminaire Tested: **NAV-SA6D-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067364
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA6D-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 6xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28604.7 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G4

Input Watts (W): 320.4
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



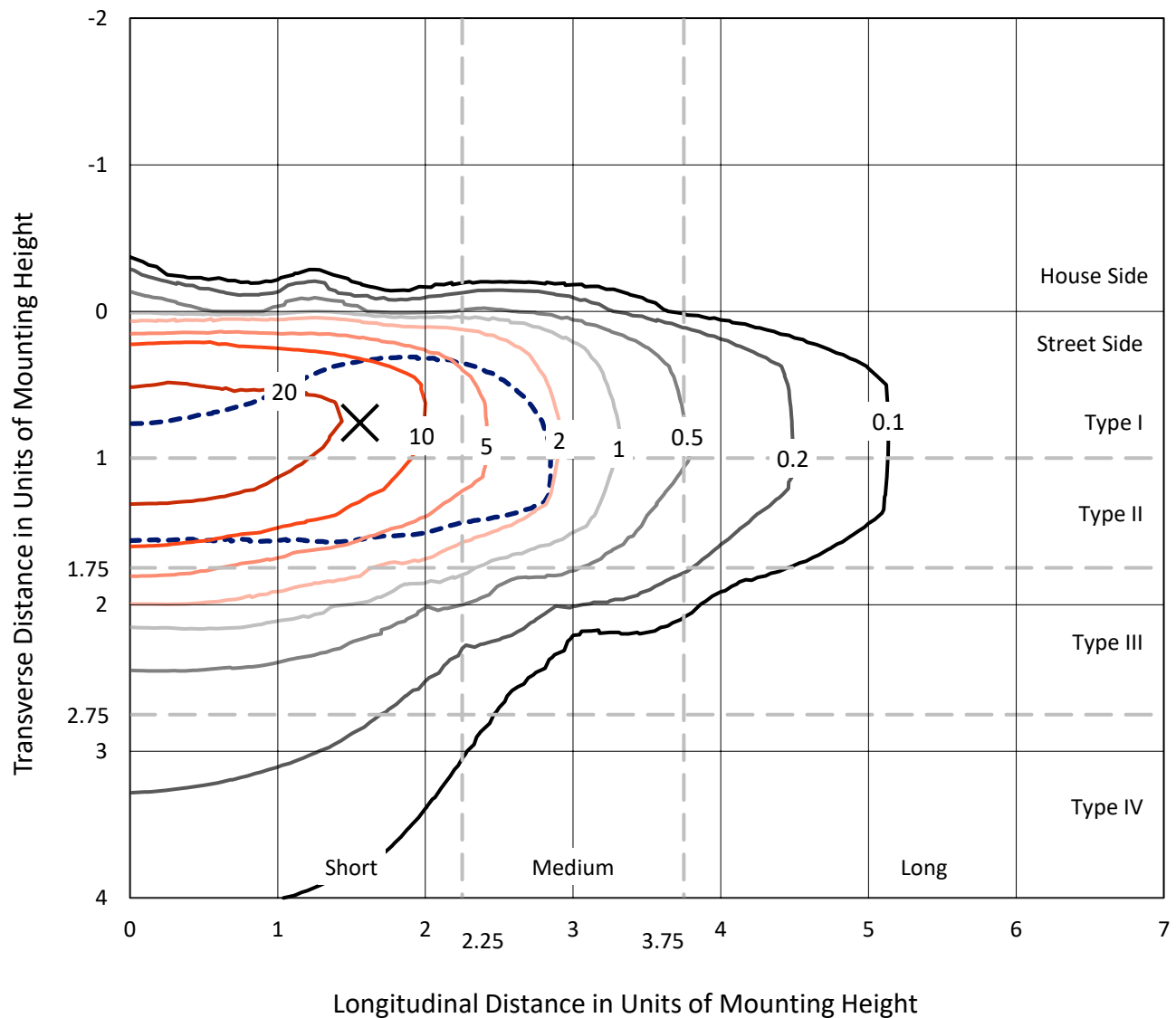
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

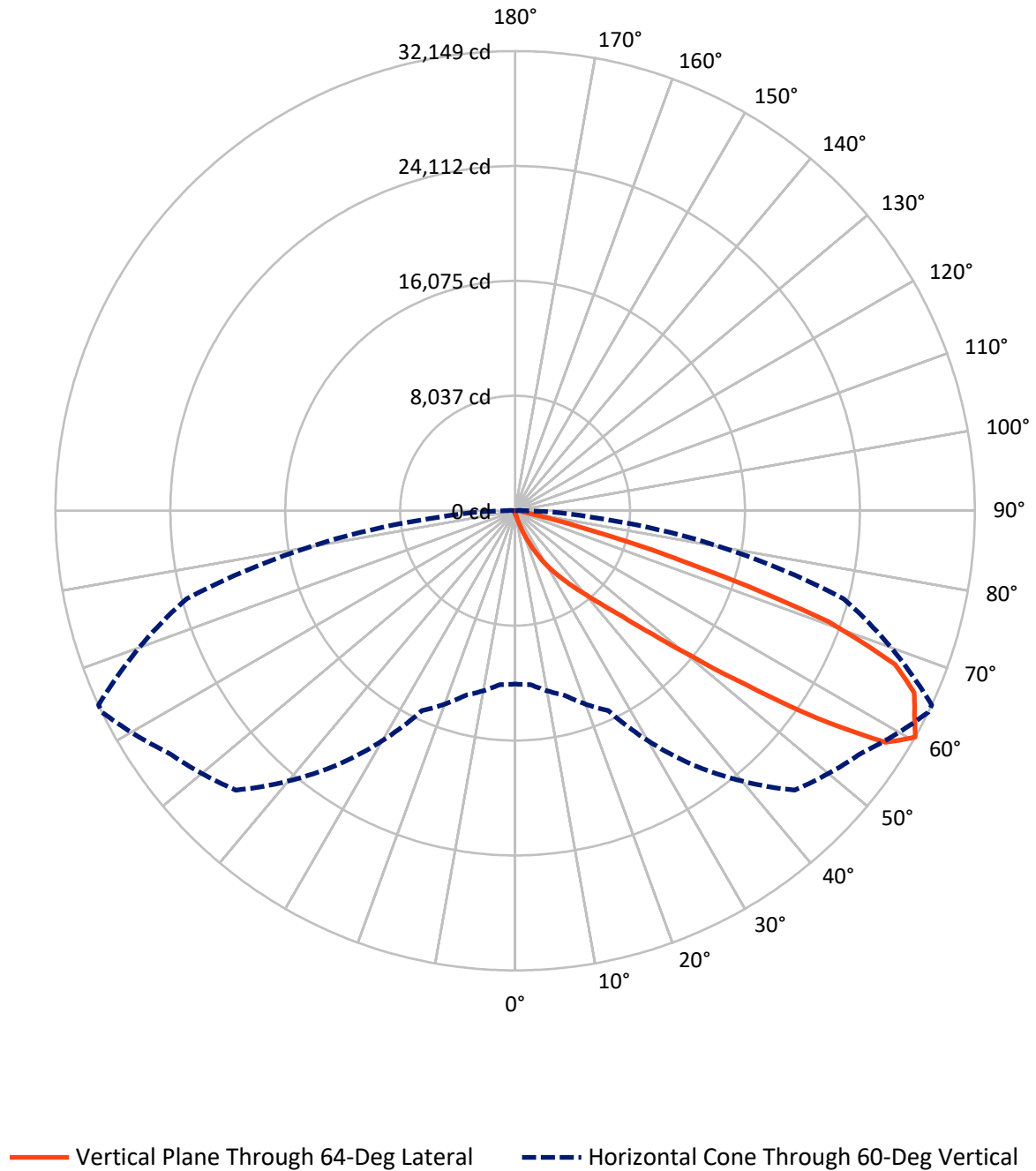


Based on 15 foot mounting height. Maximum calculated value = 41 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	116.0	0.0	116.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	28488.8	0.0	28488.8
	% Fixture	99.6	0.0	99.6
Total	Lumens	28604.7	0.0	28604.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.1
10°-20°	281.1	1.0
20°-30°	933.6	3.3
30°-40°	2491.1	8.7
40°-50°	6331.8	22.1
50°-60°	9230.3	32.3
60°-70°	7129.5	24.9
70°-80°	1957.9	6.8
80°-90°	221.0	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°	28604.7	100.0
0°-180°	28604.7	100.0



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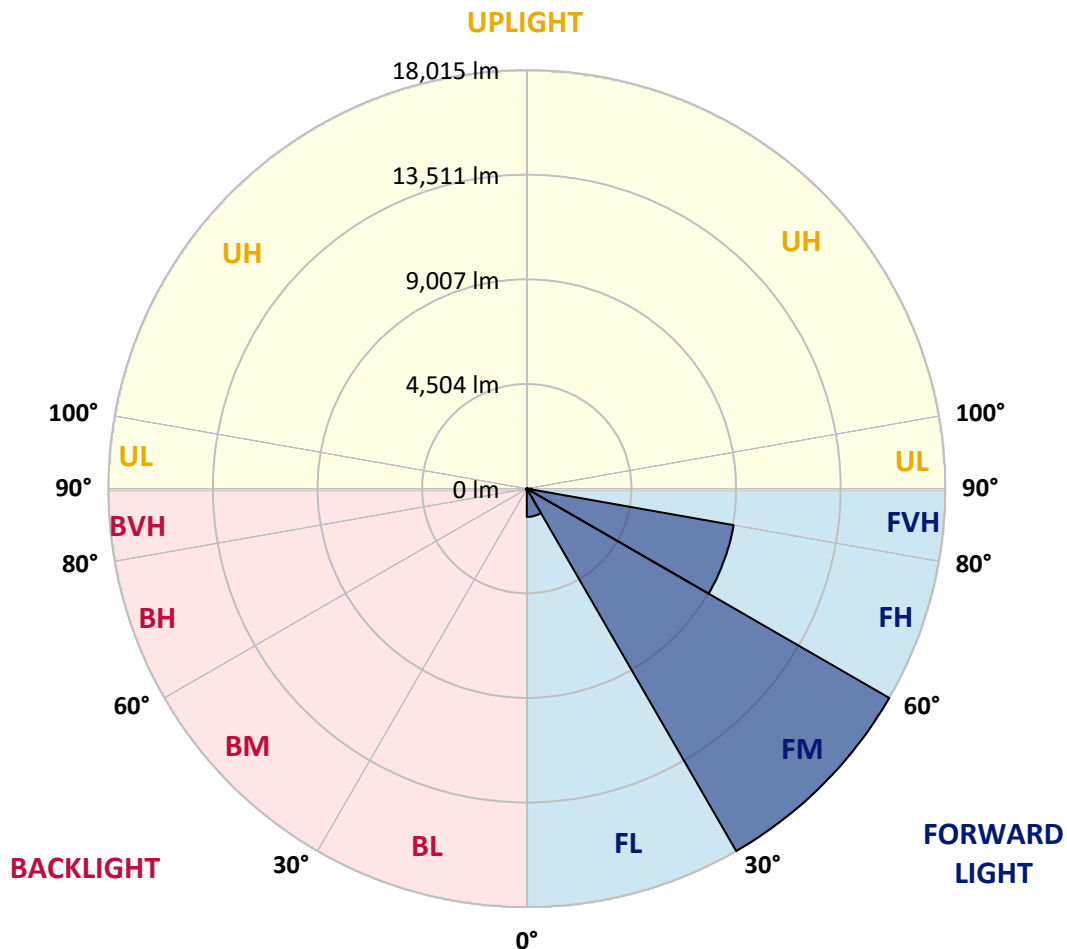
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1217.1	4.3			
FM	(30°-60°)	18014.7	63.0			
FH	(60°-80°)	9041.2	31.6			G4/12000
FVH	(80°-90°)	215.8	0.8			G2/225
BL	(0°-30°)	26.0	0.1	B0/110		
BM	(30°-60°)	38.4	0.1	B0/220		
BH	(60°-80°)	46.3	0.2	B0/110		G0/110
BVH	(80°-90°)	5.2	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 II Short



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CATALOG NUMBER: NAV-SA6D-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
2.5°	252.0	252.0	252.0	244.1	236.2	236.2	228.3	220.5	220.5	204.7	196.8
5°	385.8	385.8	370.1	354.3	330.7	299.2	267.7	244.1	244.1	220.5	204.7
7.5°	755.9	779.5	708.6	622.0	503.9	425.2	338.6	283.5	275.6	236.2	204.7
10°	1637.8	1622.0	1511.8	1299.2	1023.6	740.1	472.4	346.4	330.7	252.0	204.7
12.5°	2464.5	2488.1	2370.0	2133.8	1803.1	1314.9	811.0	448.8	433.1	275.6	204.7
15°	3173.2	3173.2	3094.4	2976.3	2614.1	2102.3	1307.1	669.3	614.2	299.2	196.8
17.5°	3661.3	3653.5	3622.0	3590.5	3377.9	2850.3	2000.0	1070.8	944.9	354.3	196.8
20°	4212.5	4188.9	4228.3	4165.3	3999.9	3582.6	2732.2	1590.5	1472.4	448.8	196.8
22.5°	4787.3	4810.9	4842.4	4779.4	4598.3	4236.1	3503.9	2259.8	2133.8	622.0	204.7
25°	5519.6	5503.8	5574.7	5519.6	5291.2	4866.0	4228.3	2992.1	2811.0	866.1	220.5
27.5°	6417.2	6385.7	6432.9	6291.2	5992.0	5558.9	4873.9	3740.1	3527.5	1244.1	252.0
30°	7606.1	7629.8	7417.2	7251.8	6826.6	6251.8	5590.4	4543.2	4322.7	1692.9	283.5
32.5°	9480.1	9314.8	8984.1	8314.8	7755.8	7023.5	6307.0	5244.0	5047.1	2267.7	330.7
35°	12401.3	12432.8	11708.4	10054.9	8842.3	7992.0	7094.3	6015.6	5873.9	2921.2	393.7
37.5°	15960.3	15873.7	15235.9	13149.3	10432.9	9196.7	7992.0	6858.1	6653.4	3629.8	472.4
40°	19991.7	19629.5	19259.5	17842.2	13747.8	10708.4	9125.8	7834.5	7677.0	4448.7	598.4
42.5°	23220.0	23125.5	23188.5	22598.0	19275.2	13283.2	10629.7	9031.3	8842.3	5464.5	818.9
45°	24810.5	24676.7	25054.6	25495.6	24645.2	18763.4	13054.9	10558.8	10306.9	6661.3	1157.5
47.5°	24385.3	24290.9	25101.9	25968.0	27101.8	25117.6	17015.4	12842.3	12409.2	8196.7	1661.4
50°	22290.9	22298.8	23629.5	25243.6	27038.8	28338.0	22881.4	15968.2	15424.9	10236.0	2448.8
52.5°	20251.6	20314.6	21724.0	24078.3	26101.8	28716.0	28030.9	20180.7	19298.8	12637.5	3377.9
55°	18157.1	18188.6	19432.7	22747.6	25660.9	27590.0	30676.6	25605.8	24668.8	15629.6	4283.4
57.5°	16141.4	16141.4	16606.0	19550.8	25180.6	27487.6	30361.6	30566.3	29802.6	19046.9	4952.7
60°	12125.7	12204.5	13361.9	15424.9	21716.1	27637.2	29558.5	32149.0	32149.0	23786.9	5464.5
62.5°	6125.9	6244.0	7684.9	9692.7	14897.3	25574.3	29684.4	31353.7	31479.7	27967.9	6629.8
65°	2874.0	3007.8	3779.5	5196.7	8015.6	17999.6	28377.4	30676.6	30637.2	27172.7	9086.4
67.5°	2063.0	2102.3	2362.2	3031.4	4314.9	7889.6	21661.0	28653.0	28668.7	23086.2	10448.6
70°	1850.4	1850.4	1913.3	2110.2	2598.4	3527.5	10527.3	23204.3	24330.2	17826.4	9684.8
72.5°	1826.7	1811.0	1795.2	1803.1	1755.9	1771.6	3614.1	13102.1	14708.4	12472.2	7724.3
75°	1779.5	1779.5	1763.7	1708.6	1401.5	1141.7	1244.1	5299.1	6125.9	8330.5	5732.2
77.5°	1409.4	1551.2	1716.5	1614.1	1283.4	858.3	724.4	1535.4	1937.0	5110.1	4157.4
80°	653.5	661.4	653.5	685.0	818.9	614.2	535.4	748.0	755.9	2834.6	2574.8
82.5°	472.4	480.3	456.7	409.4	362.2	330.7	440.9	551.2	590.5	1299.2	960.6
85°	141.7	133.9	157.5	212.6	252.0	291.3	370.1	464.6	488.2	480.3	141.7
87.5°	63.0	63.0	78.7	110.2	149.6	220.5	322.8	425.2	433.1	496.1	39.4
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°	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0	189.0
2.5°	196.8	189.0	181.1	173.2	165.4	157.5	149.6	149.6	157.5	157.5	157.5
5°	189.0	181.1	165.4	149.6	141.7	133.9	126.0	126.0	133.9	133.9	133.9
7.5°	189.0	173.2	157.5	141.7	126.0	118.1	110.2	110.2	110.2	118.1	118.1
10°	189.0	173.2	149.6	126.0	110.2	102.4	94.5	86.6	94.5	94.5	94.5
12.5°	181.1	165.4	141.7	118.1	94.5	78.7	70.9	70.9	70.9	70.9	70.9
15°	173.2	157.5	133.9	102.4	78.7	63.0	47.2	47.2	47.2	55.1	55.1
17.5°	165.4	149.6	118.1	78.7	55.1	39.4	31.5	31.5	31.5	39.4	39.4
20°	165.4	141.7	102.4	63.0	39.4	23.6	15.7	15.7	15.7	23.6	31.5
22.5°	165.4	141.7	94.5	47.2	23.6	15.7	7.9	7.9	7.9	7.9	7.9
25°	165.4	133.9	86.6	39.4	15.7	7.9	0.0	0.0	7.9	15.7	23.6
27.5°	165.4	126.0	70.9	23.6	15.7	7.9	0.0	7.9	15.7	15.7	15.7
30°	165.4	126.0	63.0	23.6	7.9	0.0	0.0	7.9	15.7	15.7	23.6
32.5°	173.2	118.1	55.1	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	181.1	110.2	47.2	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	196.8	110.2	31.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	220.5	118.1	31.5	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	275.6	126.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	385.8	157.5	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	566.9	236.2	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	826.8	322.8	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	1015.7	322.8	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	1007.9	204.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	771.6	141.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	653.5	102.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	787.4	78.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1401.5	70.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2251.9	70.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2519.6	70.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1968.5	63.0	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1078.7	55.1	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	543.3	39.4	15.7	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	228.3	31.5	15.7	7.9	7.9	7.9	0.0	0.0	0.0	0.0	0.0
82.5°	78.7	31.5	15.7	15.7	7.9	7.9	0.0	0.0	0.0	0.0	0.0
85°	39.4	23.6	23.6	15.7	15.7	7.9	7.9	0.0	0.0	0.0	0.0
87.5°	23.6	23.6	23.6	15.7	15.7	7.9	7.9	0.0	0.0	0.0	7.9
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 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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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)