

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: P1067353

Luminaire Tested: **NAV-SA4A-830-U-T2BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067353
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA4A-830-U-T2BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 4xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE II ANGLED BACKLIGHT CONTROL
Light Source: (56) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11081.5 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 107.4
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



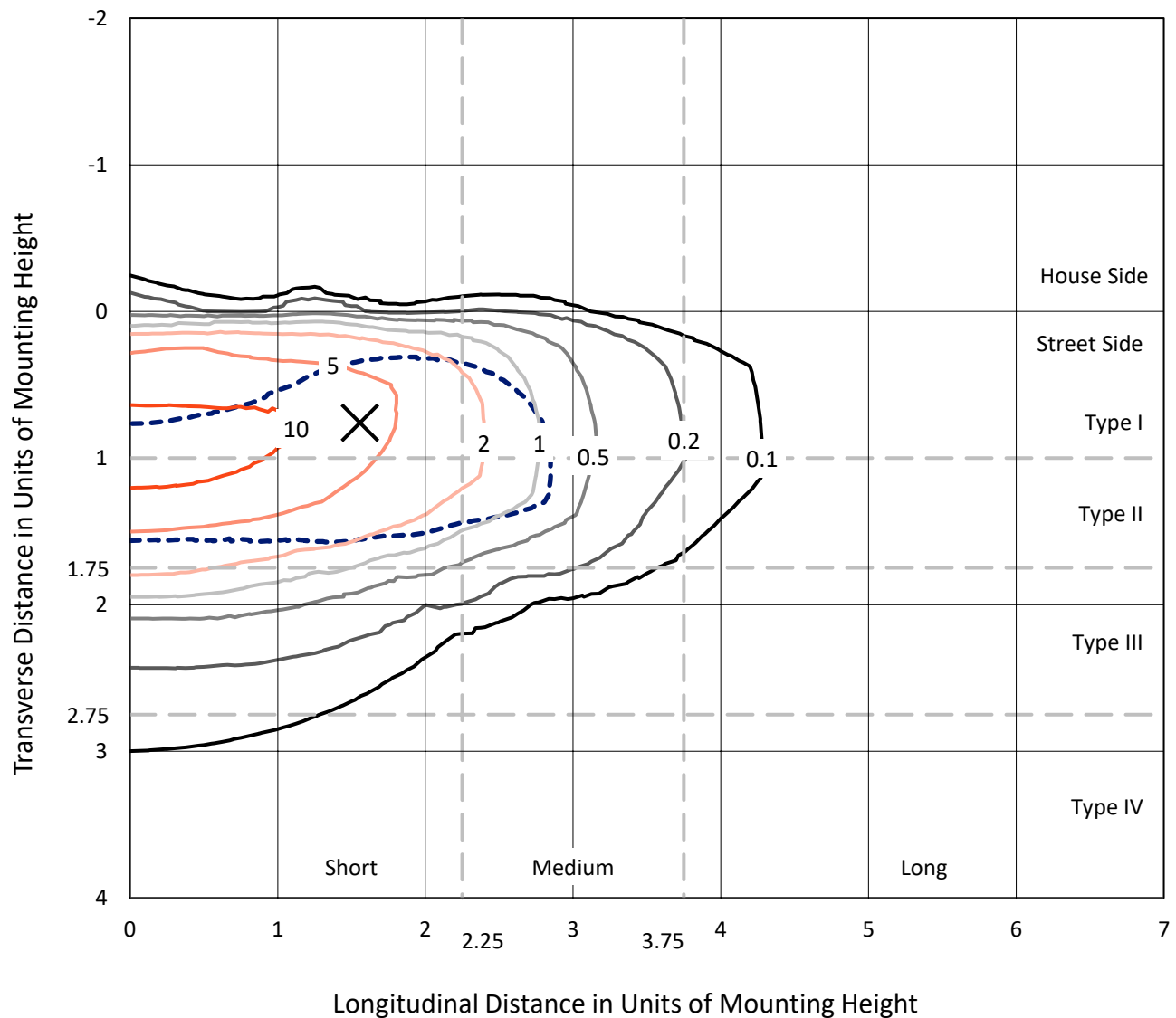
REPORT NUMBER: P1067353

CATALOG NUMBER: NAV-SA4A-830-U-T2BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

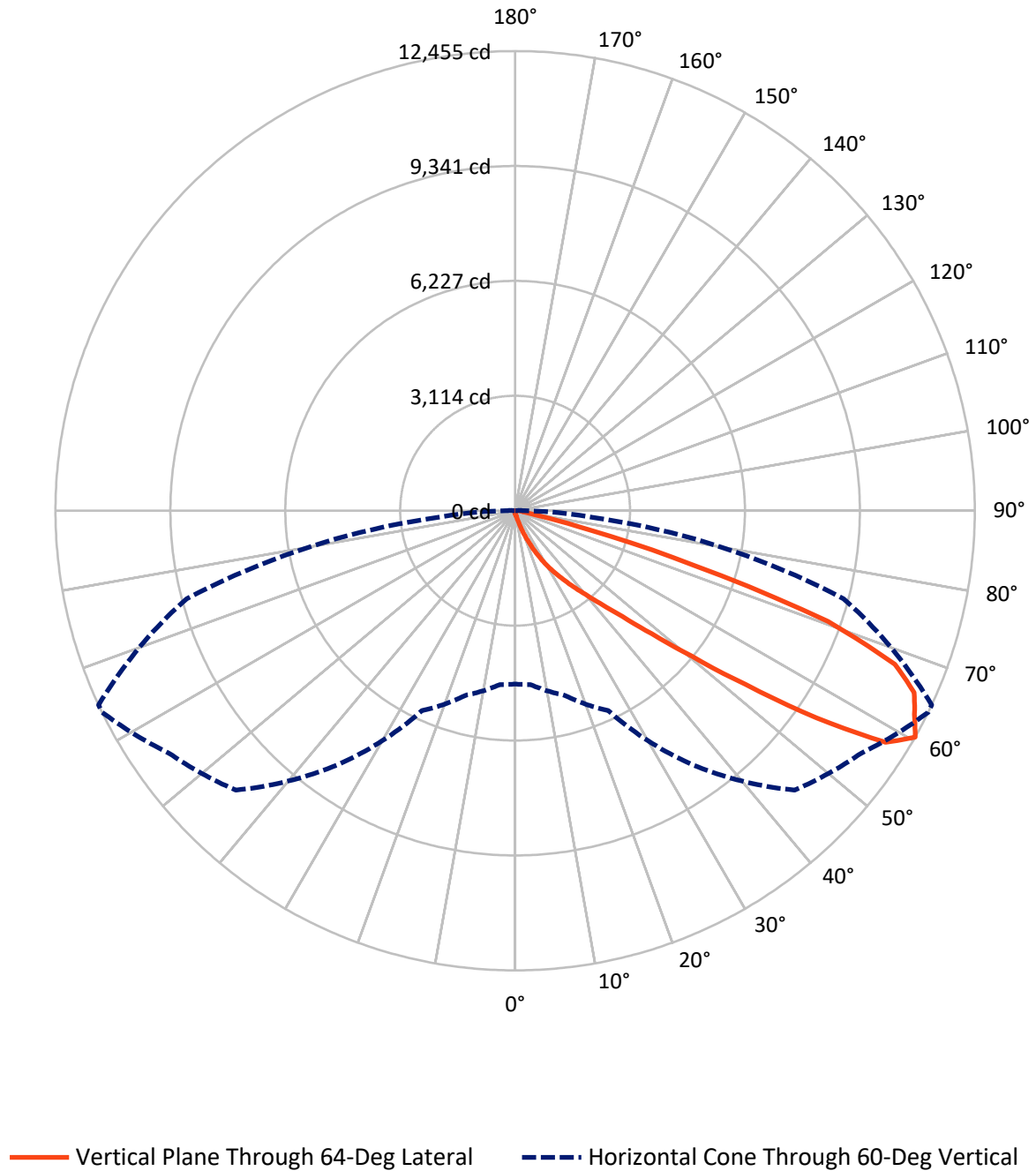


Based on 15 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Short - N/A

REPORT NUMBER: P1067353

CATALOG NUMBER: NAV-SA4A-830-U-T2BC

Luminous Intensity Polar Plot



REPORT NUMBER: P1067353

CATALOG NUMBER: NAV-SA4A-830-U-T2BC

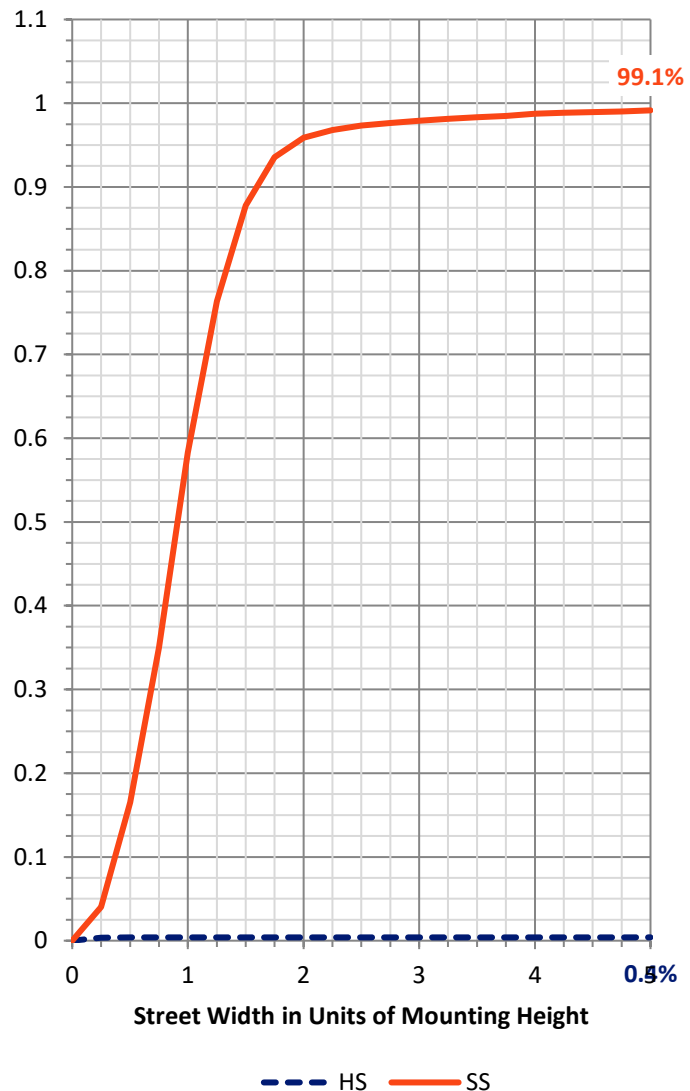
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	45.0	0.0	45.0
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	11036.5	0.0	11036.5
	% Fixture	99.6	0.0	99.6
Total	Lumens	11081.5	0.0	11081.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	108.9	1.0
20°-30°	361.7	3.3
30°-40°	965.1	8.7
40°-50°	2452.9	22.1
50°-60°	3575.8	32.3
60°-70°	2762.0	24.9
70°-80°	758.5	6.8
80°-90°	85.6	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°	11081.5	100.0
0°-180°	11081.5	100.0



REPORT NUMBER: P1067353

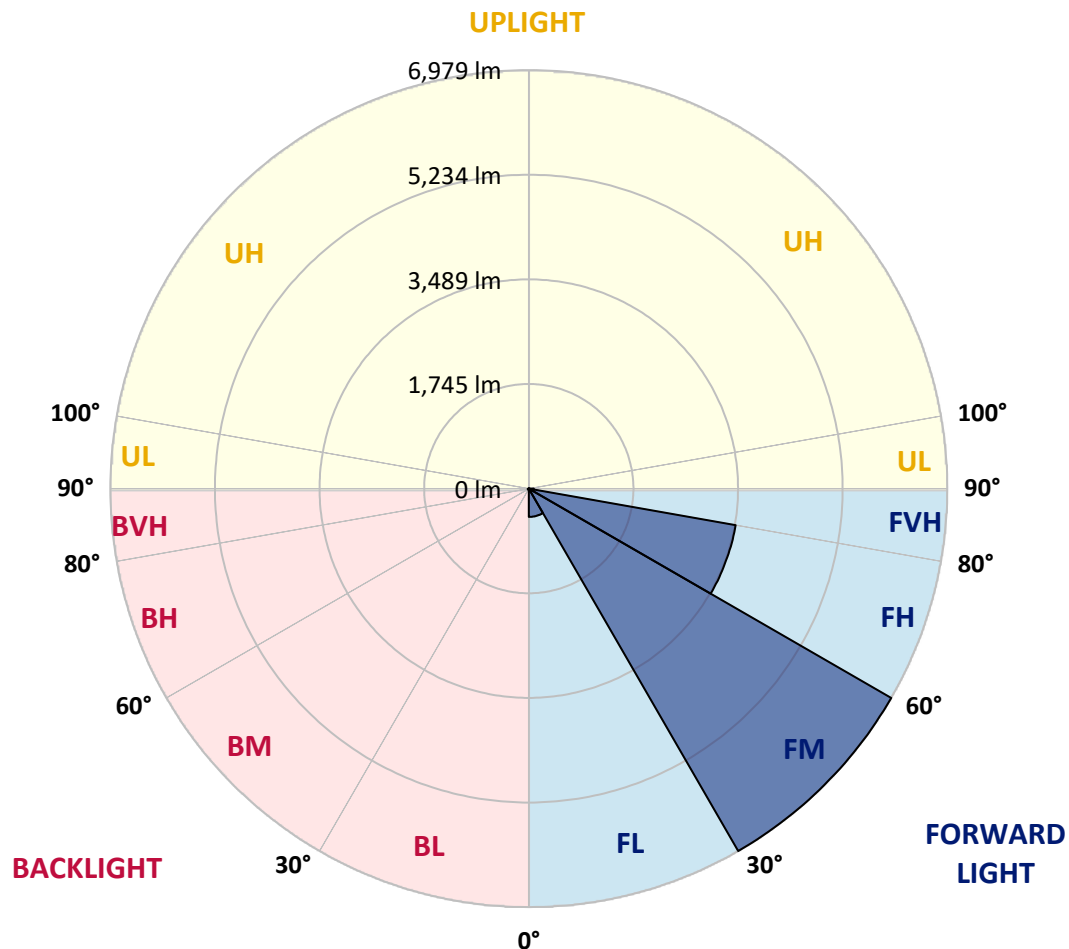
CATALOG NUMBER: NAV-SA4A-830-U-T2BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	471.5	4.3			
FM	(30°-60°)	6978.9	63.0			
FH	(60°-80°)	3502.5	31.6			G2/5000
FVH	(80°-90°)	83.6	0.8			G1/100
BL	(0°-30°)	10.1	0.1	B0/110		
BM	(30°-60°)	14.9	0.1	B0/220		
BH	(60°-80°)	17.9	0.2	B0/110		G0/110
BVH	(80°-90°)	2.0	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-G2

Type II Short



REPORT NUMBER: P1067353

CATALOG NUMBER: NAV-SA4A-830-U-T2BC

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	97.6	97.6	97.6	94.6	91.5	91.5	88.5	85.4	85.4	79.3	76.3
5°	149.5	149.5	143.4	137.3	128.1	115.9	103.7	94.6	94.6	85.4	79.3
7.5°	292.8	302.0	274.5	241.0	195.2	164.7	131.2	109.8	106.8	91.5	79.3
10°	634.5	628.4	585.7	503.3	396.5	286.7	183.0	134.2	128.1	97.6	79.3
12.5°	954.8	963.9	918.1	826.6	698.5	509.4	314.2	173.9	167.8	106.8	79.3
15°	1229.3	1229.3	1198.8	1153.0	1012.7	814.4	506.4	259.3	237.9	115.9	76.3
17.5°	1418.4	1415.4	1403.2	1390.9	1308.6	1104.2	774.8	414.8	366.0	137.3	76.3
20°	1631.9	1622.8	1638.0	1613.6	1549.6	1387.9	1058.5	616.2	570.4	173.9	76.3
22.5°	1854.6	1863.8	1876.0	1851.5	1781.4	1641.1	1357.4	875.4	826.6	241.0	79.3
25°	2138.3	2132.2	2159.6	2138.3	2049.8	1885.1	1638.0	1159.1	1089.0	335.5	85.4
27.5°	2486.0	2473.8	2492.1	2437.2	2321.3	2153.5	1888.2	1448.9	1366.5	482.0	97.6
30°	2946.6	2955.8	2873.4	2809.4	2644.6	2422.0	2165.7	1760.0	1674.6	655.8	109.8
32.5°	3672.6	3608.5	3480.4	3221.1	3004.6	2720.9	2443.3	2031.5	1955.3	878.5	128.1
35°	4804.3	4816.5	4535.8	3895.3	3425.5	3096.1	2748.3	2330.5	2275.5	1131.7	152.5
37.5°	6183.0	6149.5	5902.4	5094.0	4041.7	3562.8	3096.1	2656.8	2577.5	1406.2	183.0
40°	7744.8	7604.5	7461.1	6912.0	5325.9	4148.4	3535.3	3035.1	2974.1	1723.4	231.8
42.5°	8995.4	8958.8	8983.2	8754.4	7467.2	5145.9	4117.9	3498.7	3425.5	2116.9	317.2
45°	9611.6	9559.7	9706.1	9877.0	9547.5	7268.9	5057.4	4090.5	3992.9	2580.6	448.4
47.5°	9446.9	9410.3	9724.4	10060.0	10499.2	9730.5	6591.8	4975.1	4807.3	3175.4	643.6
50°	8635.5	8638.5	9154.0	9779.4	10474.8	10978.1	8864.3	6186.1	5975.6	3965.4	948.7
52.5°	7845.4	7869.8	8415.9	9327.9	10111.8	11124.5	10859.2	7818.0	7476.4	4895.8	1308.6
55°	7034.1	7046.3	7528.2	8812.4	9941.0	10688.4	11884.1	9919.7	9556.7	6054.9	1659.4
57.5°	6253.2	6253.2	6433.1	7574.0	9755.0	10648.7	11762.1	11841.4	11545.5	7378.7	1918.7
60°	4697.5	4728.0	5176.4	5975.6	8412.8	10706.7	11450.9	12454.5	12454.5	9215.0	2116.9
62.5°	2373.2	2418.9	2977.1	3755.0	5771.2	9907.5	11499.7	12146.4	12195.2	10834.8	2568.4
65°	1113.4	1165.2	1464.2	2013.2	3105.2	6973.1	10993.4	11884.1	11868.8	10526.7	3520.1
67.5°	799.2	814.4	915.1	1174.4	1671.6	3056.4	8391.5	11100.1	11106.2	8943.6	4047.8
70°	716.8	716.8	741.2	817.5	1006.6	1366.5	4078.3	8989.3	9425.5	6905.9	3751.9
72.5°	707.7	701.6	695.5	698.5	680.2	686.3	1400.1	5075.7	5698.0	4831.7	2992.4
75°	689.4	689.4	683.3	661.9	543.0	442.3	482.0	2052.9	2373.2	3227.2	2220.6
77.5°	546.0	600.9	665.0	625.3	497.2	332.5	280.6	594.8	750.4	1979.7	1610.6
80°	253.2	256.2	253.2	265.4	317.2	237.9	207.4	289.8	292.8	1098.1	997.5
82.5°	183.0	186.1	176.9	158.6	140.3	128.1	170.8	213.5	228.8	503.3	372.1
85°	54.9	51.9	61.0	82.4	97.6	112.9	143.4	180.0	189.1	186.1	54.9
87.5°	24.4	24.4	30.5	42.7	58.0	85.4	125.1	164.7	167.8	192.2	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1067353

CATALOG NUMBER: NAV-SA4A-830-U-T2BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	76.3	73.2	70.2	67.1	64.1	61.0	58.0	58.0	61.0	61.0	61.0
5°	73.2	70.2	64.1	58.0	54.9	51.9	48.8	48.8	51.9	51.9	51.9
7.5°	73.2	67.1	61.0	54.9	48.8	45.8	42.7	42.7	42.7	45.8	45.8
10°	73.2	67.1	58.0	48.8	42.7	39.7	36.6	33.6	36.6	36.6	36.6
12.5°	70.2	64.1	54.9	45.8	36.6	30.5	27.5	27.5	27.5	27.5	27.5
15°	67.1	61.0	51.9	39.7	30.5	24.4	18.3	18.3	18.3	21.4	21.4
17.5°	64.1	58.0	45.8	30.5	21.4	15.3	12.2	12.2	12.2	15.3	15.3
20°	64.1	54.9	39.7	24.4	15.3	9.2	6.1	6.1	6.1	9.2	12.2
22.5°	64.1	54.9	36.6	18.3	9.2	6.1	3.1	3.1	3.1	3.1	3.1
25°	64.1	51.9	33.6	15.3	6.1	3.1	0.0	0.0	3.1	6.1	9.2
27.5°	64.1	48.8	27.5	9.2	6.1	3.1	0.0	3.1	6.1	6.1	6.1
30°	64.1	48.8	24.4	9.2	3.1	0.0	0.0	3.1	6.1	6.1	9.2
32.5°	67.1	45.8	21.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	70.2	42.7	18.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	76.3	42.7	12.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	85.4	45.8	12.2	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	106.8	48.8	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	149.5	61.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	219.6	91.5	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	320.3	125.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	393.5	125.1	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	390.4	79.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	298.9	54.9	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	253.2	39.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	305.0	30.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	543.0	27.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	872.4	27.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	976.1	27.5	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	762.6	24.4	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	417.9	21.4	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	210.5	15.3	6.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	88.5	12.2	6.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
82.5°	30.5	12.2	6.1	6.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
85°	15.3	9.2	9.2	6.1	6.1	3.1	3.1	0.0	0.0	0.0	0.0
87.5°	9.2	9.2	9.2	6.1	6.1	3.1	3.1	0.0	0.0	0.0	3.1
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

REPORT NUMBER: SP1-2407-184-9

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

REPORT NUMBER: SP1-2407-184-9

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			

REPORT NUMBER: SP1-2407-184-9

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			

REPORT NUMBER: SP1-2407-184-9

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			

REPORT NUMBER: SP1-2407-184-9

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)