

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: P1067101

Luminaire Tested: **NAV-SA1A-830-U-T3BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1067101
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SA1A-830-U-T3BC
Description: Navion AREA AND ROADWAY LUMINAIRE 615mA 1xLight Square PACKAGE
80CRI 3000K FIXTURE w/ TYPE III ANGLED BACKLIGHT CONTROL
Light Source: (14) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3063.9 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

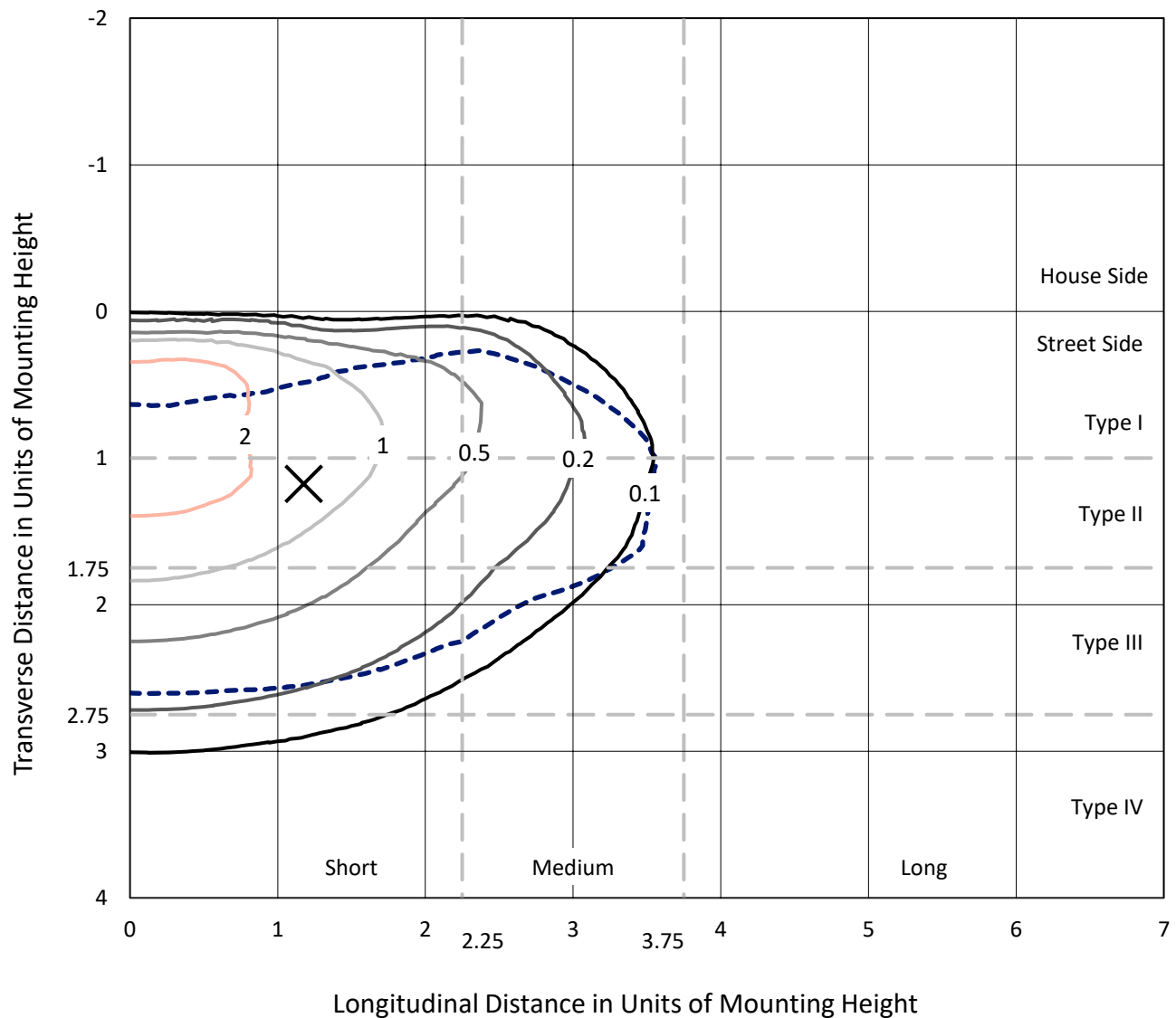
Input Watts (W): 29.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

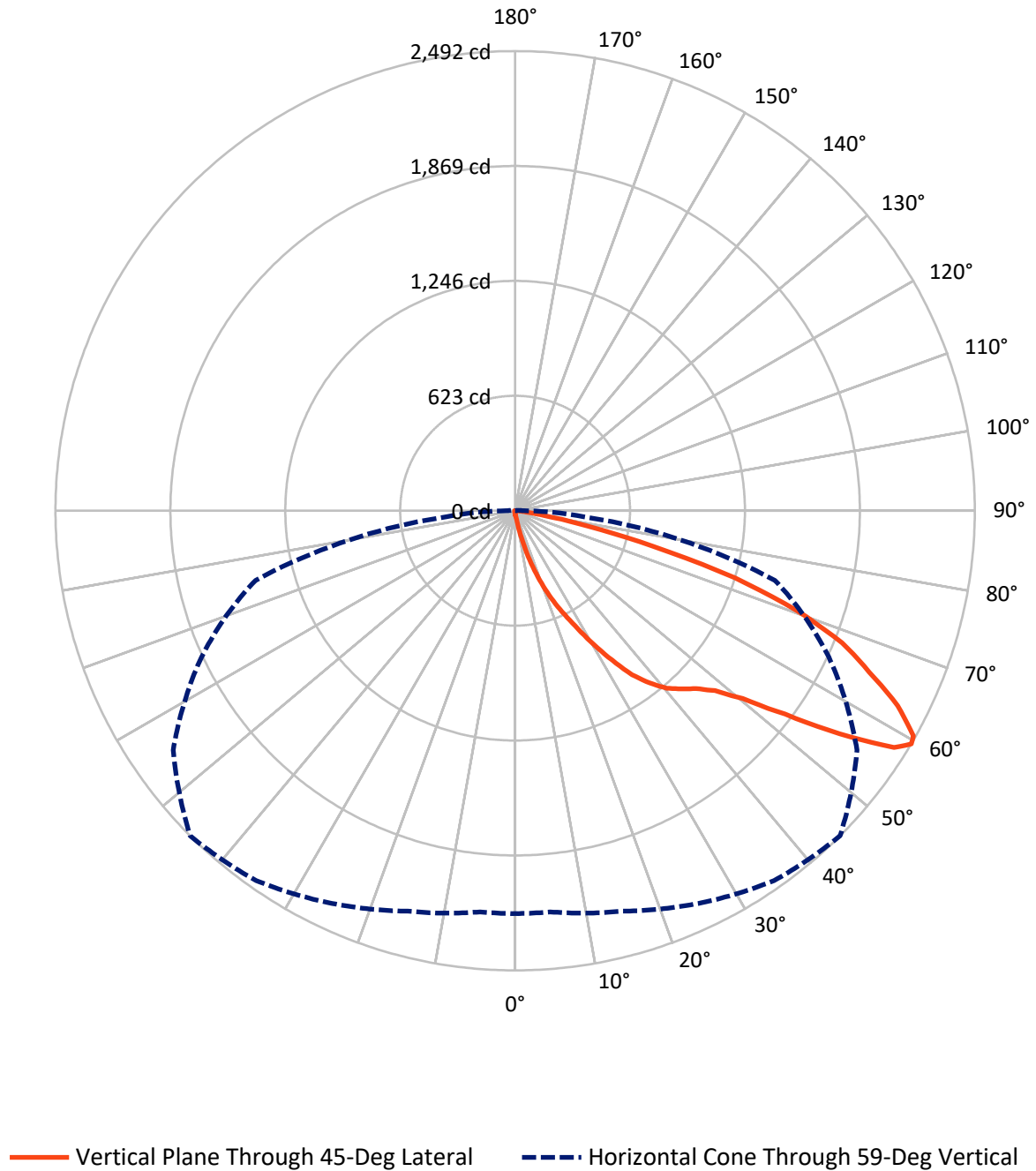
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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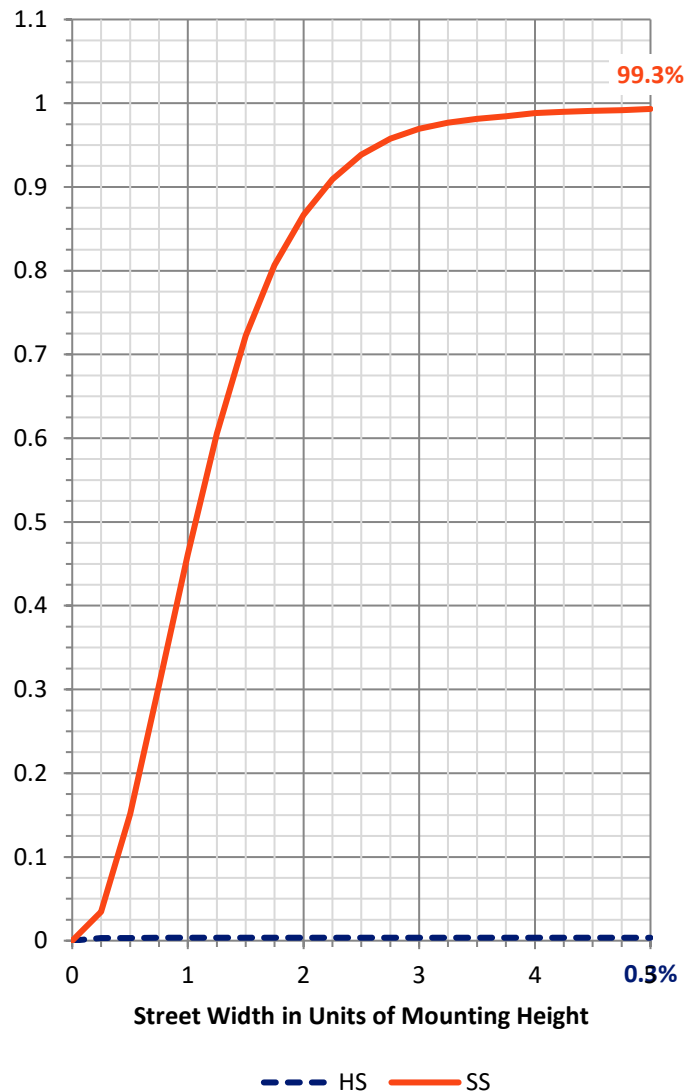
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10.9	0.0	10.9
	% Fixture	0.4	0.0	0.4
Street Side	Lumens	3053.1	0.0	3053.1
	% Fixture	99.6	0.0	99.6
Total	Lumens	3063.9	0.0	3063.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	33.9	1.1
20°-30°	121.7	4.0
30°-40°	282.8	9.2
40°-50°	481.9	15.7
50°-60°	794.1	25.9
60°-70°	918.2	30.0
70°-80°	394.5	12.9
80°-90°	34.1	1.1
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°	3063.9	100.0
0°-180°	3063.9	100.0



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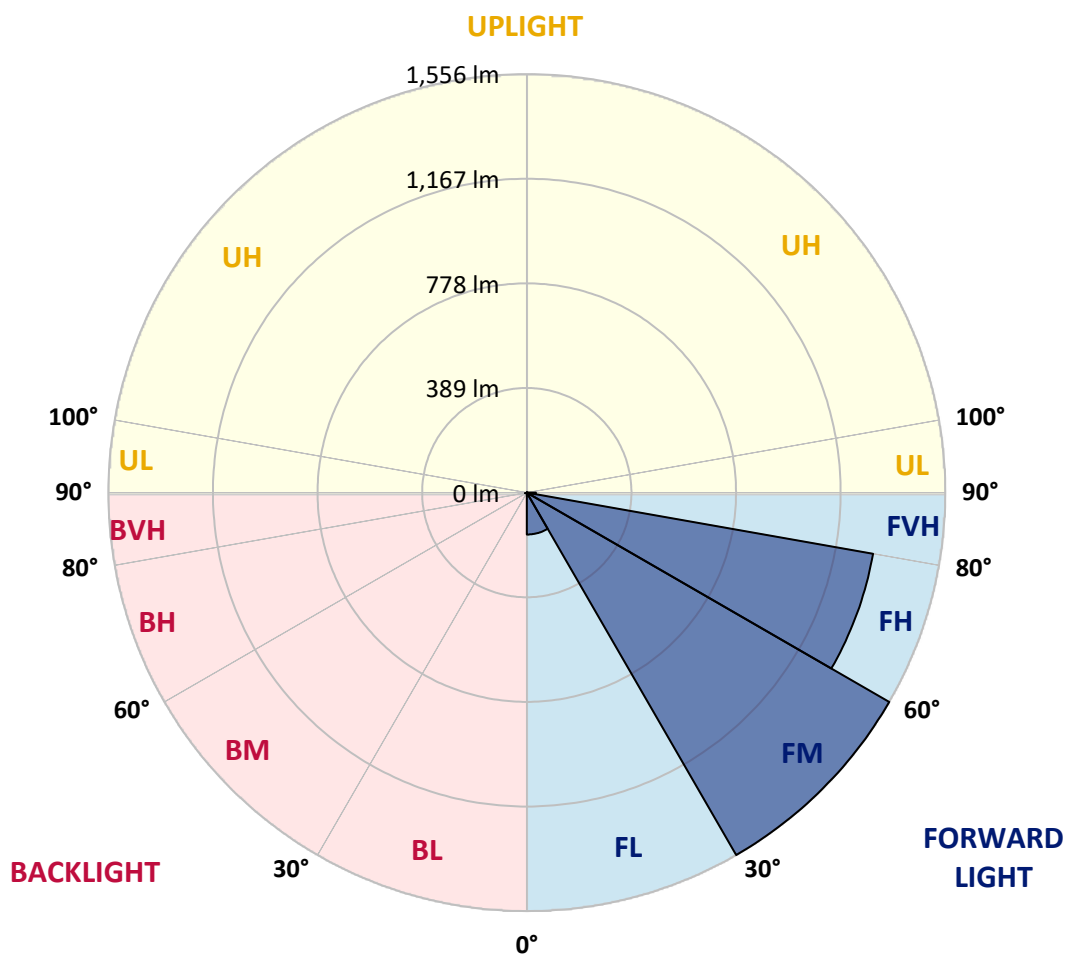
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.7	5.1			
FM	(30°-60°)	1556.2	50.8			
FH	(60°-80°)	1307.5	42.7			G1/1800
FVH	(80°-90°)	33.6	1.1			G1/100
BL	(0°-30°)	2.7	0.1	B0/110		
BM	(30°-60°)	2.6	0.1	B0/220		
BH	(60°-80°)	5.1	0.2	B0/110		G0/110
BVH	(80°-90°)	0.4	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
2.5°	25.1	25.1	24.5	23.7	23.5	22.9	22.9	22.3	21.4	20.8	20.0
5°	36.5	36.3	34.6	32.6	29.9	28.2	28.2	26.0	23.9	22.0	20.4
7.5°	79.7	77.9	71.9	62.0	49.0	40.4	39.8	32.3	27.4	23.7	20.6
10°	182.9	176.6	168.1	144.4	106.7	74.6	73.1	47.2	32.8	25.5	21.0
12.5°	299.8	304.9	288.0	250.7	206.6	153.7	143.4	79.5	43.3	28.0	21.4
15°	406.1	404.8	395.4	364.9	314.0	243.5	237.1	138.2	62.0	31.9	21.8
17.5°	485.6	484.1	475.1	455.5	416.4	345.9	340.3	220.4	97.2	37.5	22.3
20°	569.4	567.6	554.8	539.2	505.0	445.0	438.4	312.3	152.2	46.6	22.3
22.5°	670.0	666.5	652.9	626.3	590.2	538.1	532.1	406.3	220.4	61.4	23.3
25°	791.5	785.6	766.8	742.9	699.4	630.2	623.8	510.9	302.6	83.9	24.3
27.5°	930.2	931.2	905.9	865.5	807.2	736.5	724.6	604.7	387.7	116.0	25.5
30°	1094.8	1084.5	1048.8	1001.9	945.2	855.2	843.7	698.0	483.3	163.4	27.6
32.5°	1248.9	1237.8	1189.8	1130.6	1069.9	974.9	965.4	802.9	570.3	219.4	31.3
35°	1381.2	1373.3	1306.2	1234.1	1180.1	1095.2	1092.3	919.9	672.4	279.8	35.4
37.5°	1497.6	1483.3	1397.0	1322.2	1267.4	1191.4	1185.2	1027.0	770.9	349.8	41.6
40°	1596.9	1589.0	1483.8	1385.5	1341.0	1273.0	1265.2	1121.0	872.7	431.2	49.2
42.5°	1703.2	1692.9	1590.7	1480.5	1398.5	1325.7	1320.6	1198.4	963.3	520.6	60.6
45°	1823.3	1804.1	1714.5	1615.6	1491.0	1380.3	1374.6	1267.4	1056.3	616.6	74.4
47.5°	1951.6	1934.9	1862.4	1793.0	1649.6	1470.4	1458.0	1326.2	1148.6	727.5	91.9
50°	2082.2	2082.7	2028.3	1994.9	1843.5	1616.6	1599.1	1412.5	1245.6	846.1	117.8
52.5°	2234.3	2238.2	2237.4	2212.7	2095.2	1855.8	1832.3	1543.5	1358.3	984.6	153.7
55°	2297.9	2305.0	2350.5	2405.3	2373.4	2159.1	2134.0	1769.5	1507.7	1138.9	206.8
57.5°	2245.8	2253.7	2316.5	2412.5	2485.8	2424.6	2421.8	2063.7	1704.4	1325.9	293.8
59°	2183.8	2182.8	2247.3	2349.0	2447.9	2487.7	2491.8	2262.7	1875.8	1457.2	368.8
60°	2142.6	2143.4	2186.3	2290.7	2395.8	2464.8	2480.9	2379.9	1975.9	1551.5	433.1
62.5°	1983.6	1993.0	2027.0	2124.1	2223.8	2300.8	2328.2	2484.4	2262.5	1774.5	656.6
65°	1810.7	1811.3	1859.7	1942.8	2038.4	2092.5	2109.9	2321.8	2453.9	2001.5	949.8
67.5°	1502.3	1514.9	1569.9	1704.4	1830.7	1899.3	1912.5	2021.1	2374.6	2149.4	1096.6
70°	1051.3	1067.8	1146.3	1320.8	1508.9	1621.6	1620.8	1680.1	2089.9	2083.5	929.8
72.5°	524.9	553.4	617.4	804.3	1032.2	1209.1	1246.4	1351.5	1678.9	1730.6	693.7
75°	232.0	233.6	270.1	364.2	513.0	737.8	771.1	1072.7	1288.0	1202.7	501.0
77.5°	134.9	136.2	142.8	163.6	207.9	361.6	399.1	703.6	910.2	699.0	326.7
80°	49.0	50.3	50.1	62.0	91.1	142.4	158.6	341.0	607.1	368.2	171.2
82.5°	30.1	30.1	29.0	29.3	33.2	54.6	59.7	145.2	295.6	181.3	49.0
85°	14.8	15.7	16.7	18.7	22.3	27.0	28.6	41.6	99.5	43.9	11.7
87.5°	8.9	9.1	9.9	11.9	14.8	19.4	20.6	28.2	35.6	29.5	2.9
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°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
2.5°	19.6	19.4	18.3	17.5	16.7	15.9	15.2	14.6	14.6	14.8	14.6
5°	19.6	18.7	17.1	15.7	14.4	13.4	12.4	11.5	11.3	11.3	11.5
7.5°	19.4	18.3	16.1	14.2	12.6	11.1	10.1	9.1	8.9	9.1	8.9
10°	19.2	17.9	15.2	13.0	10.7	9.3	7.8	6.8	6.8	6.8	7.0
12.5°	19.2	17.3	14.4	11.7	9.3	7.6	6.2	5.2	4.9	4.9	4.9
15°	19.0	16.9	13.6	10.3	7.8	5.8	4.5	3.5	3.5	3.5	3.5
17.5°	18.5	16.3	12.6	9.1	6.2	4.3	3.1	2.1	2.1	2.5	2.5
20°	18.1	15.7	11.3	7.4	5.2	3.3	2.1	1.2	1.2	1.9	2.1
22.5°	18.3	15.7	10.5	6.6	4.1	2.5	1.6	1.0	0.8	1.4	1.9
25°	18.5	15.2	9.5	5.8	3.1	1.9	1.2	0.4	0.2	0.4	0.6
27.5°	18.5	14.8	8.2	4.5	2.3	1.4	0.6	0.0	0.0	0.0	0.0
30°	18.3	14.2	7.2	3.7	1.6	0.8	0.2	0.0	0.0	0.0	0.0
32.5°	18.1	13.6	6.6	2.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0
35°	18.3	12.8	5.8	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.4
37.5°	19.0	11.9	4.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0
40°	19.8	11.3	4.1	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	21.4	11.3	3.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	23.5	11.3	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	26.2	11.5	2.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	29.5	11.9	2.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	31.9	11.5	2.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	36.3	11.1	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	42.0	10.5	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59°	47.8	9.7	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	54.4	9.3	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	89.8	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	173.5	7.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	280.4	7.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	294.8	7.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	196.1	6.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	105.1	5.8	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	56.7	5.4	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	24.9	3.9	1.0	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.9	2.7	1.2	1.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0
85°	4.7	2.1	1.6	1.4	1.0	0.6	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	2.1	1.9	1.6	1.4	1.0	0.2	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

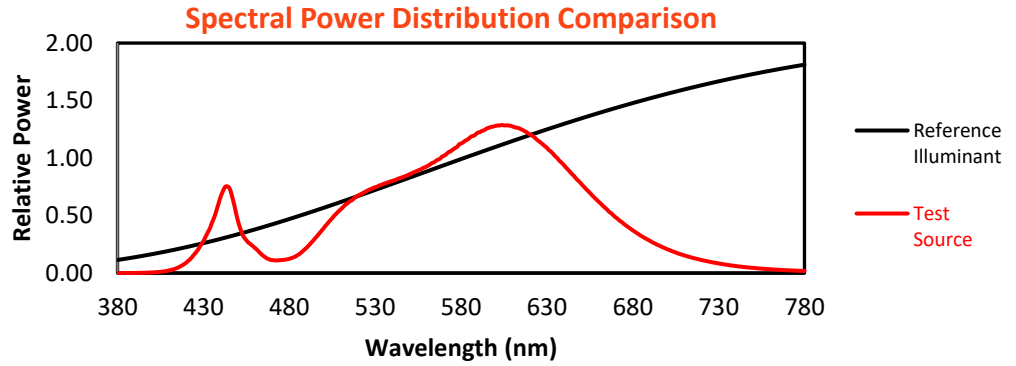
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	170	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)