

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: METALUX

Report Number: P565586

Luminaire Tested: **2SNX-23SL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-23SL-UNV-L830-CD
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

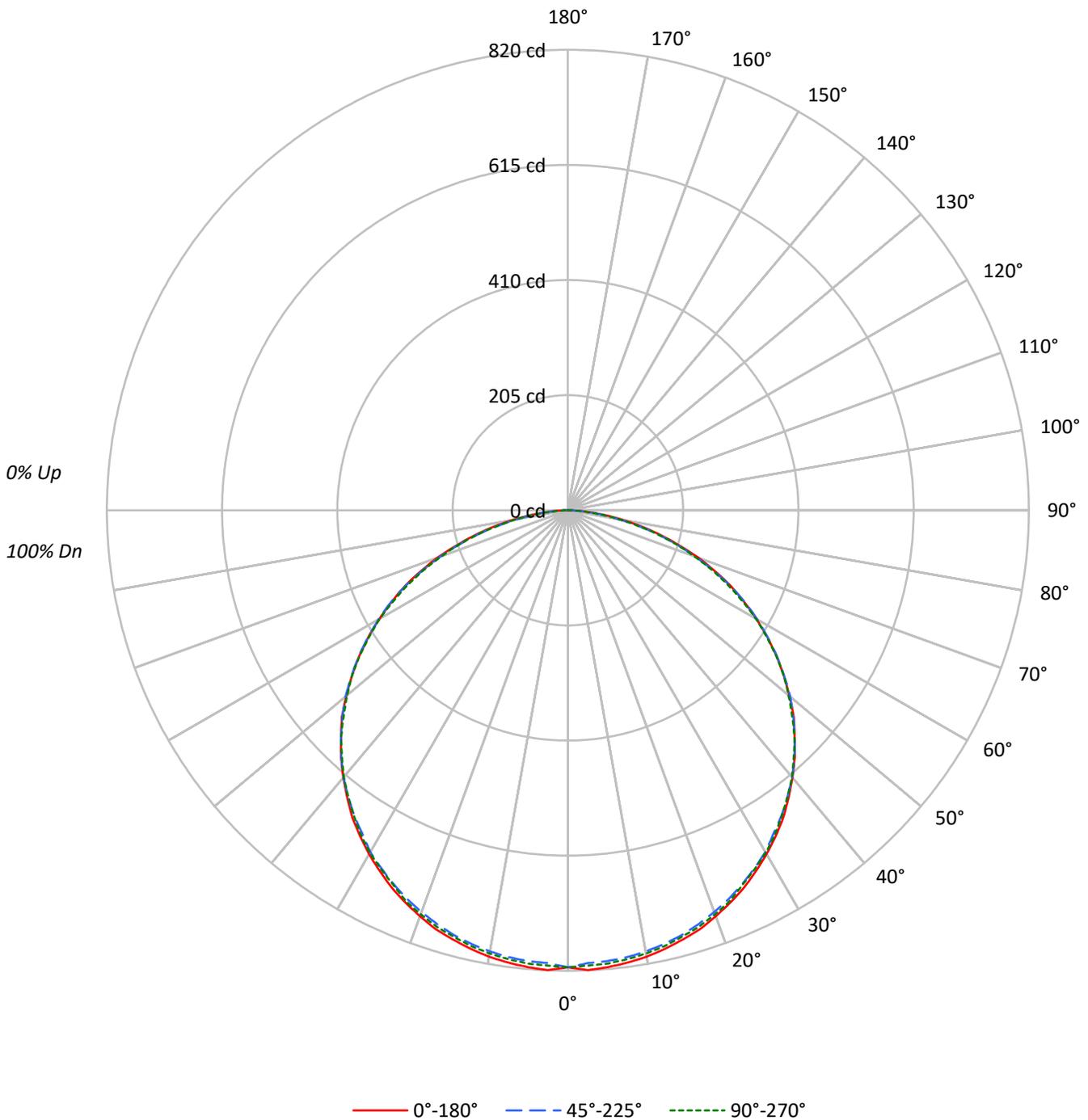
Lumens per Lamp: N/A
Luminaire Lumens: 2433.0 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 14.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17517	17517	17517
5°	17647	17411	17506
10°	17643	17435	17516
15°	17629	17451	17516
20°	17620	17434	17535
25°	17608	17435	17468
30°	17572	17463	17500
35°	17558	17424	17442
40°	17460	17438	17418
45°	17354	17378	17354
50°	17228	17278	17154
55°	17002	17055	16972
60°	16667	16731	16637
65°	16326	16214	15990
70°	15522	15201	15018
75°	14182	13691	13758
80°	12249	11344	11616
85°	9213	8867	7954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	3.2
10°-20°	222.4	9.1
20°-30°	340.3	14.0
30°-40°	416.1	17.1
40°-50°	440.2	18.1
50°-60°	405.6	16.7
60°-70°	312.5	12.8
70°-80°	175.1	7.2
80°-90°	43.5	1.8
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°-30°	640.0	26.3
0°-40°	1056.1	43.4
0°-60°	1901.9	78.2
0°-90°	2433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2433.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	814	814	814	814	814	
5°	817	814	806	814	810	78
15°	791	790	783	790	786	223
25°	741	740	734	740	735	342
35°	668	667	663	665	664	417
45°	570	572	571	570	570	440
55°	453	457	454	454	452	404
65°	320	320	318	310	314	315
75°	170	168	165	159	165	181
85°	37	35	36	36	32	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	813.7	813.7	813.7	813.7	813.7
2.5°	819.6	815.9	807.1	815.2	811.5
5°	816.6	813.7	805.7	813.7	810.1
7.5°	812.3	810.1	802.7	810.1	806.4
10°	807.1	804.9	797.6	804.9	801.3
12.5°	799.8	798.3	791.0	798.3	794.7
15°	791.0	789.6	783.0	789.6	785.9
17.5°	782.2	779.3	772.7	780.1	777.1
20°	769.1	767.6	761.0	767.6	765.4
22.5°	755.9	754.4	748.6	754.4	753.0
25°	741.3	739.8	734.0	739.8	735.4
27.5°	724.4	725.2	718.6	722.2	720.0
30°	706.9	706.9	702.5	704.0	704.0
32.5°	687.9	687.9	681.3	685.7	684.9
35°	668.1	666.6	663.0	665.2	663.7
37.5°	644.7	643.9	641.8	643.2	641.8
40°	621.3	622.0	620.5	619.8	619.8
42.5°	597.1	598.6	596.4	595.7	594.9
45°	570.0	572.2	570.8	570.0	570.0
47.5°	545.2	545.9	543.7	543.0	540.8
50°	514.4	517.4	515.9	514.4	512.2
52.5°	483.7	488.1	485.2	483.7	483.7
55°	453.0	456.6	454.4	454.4	452.2
57.5°	420.8	424.4	421.5	421.5	418.6
60°	387.1	390.8	388.6	386.4	386.4
62.5°	353.4	356.4	355.6	352.0	349.8
65°	320.5	320.5	318.3	310.3	313.9
67.5°	283.2	282.5	279.5	271.5	276.6
70°	246.6	246.6	241.5	232.0	238.6
72.5°	207.1	209.3	202.7	196.1	202.7
75°	170.5	168.3	164.6	158.8	165.4
77.5°	135.4	131.7	127.3	124.4	128.1
80°	98.8	96.6	91.5	91.5	93.7
82.5°	67.3	65.1	61.5	62.2	59.3
85°	37.3	35.1	35.9	35.9	32.2
87.5°	15.4	15.4	15.4	13.9	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)