

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: P565572

Luminaire Tested: **2SNX-23SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-23SL-LW-UNV-L840-CD  
Description: 2FT 2300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

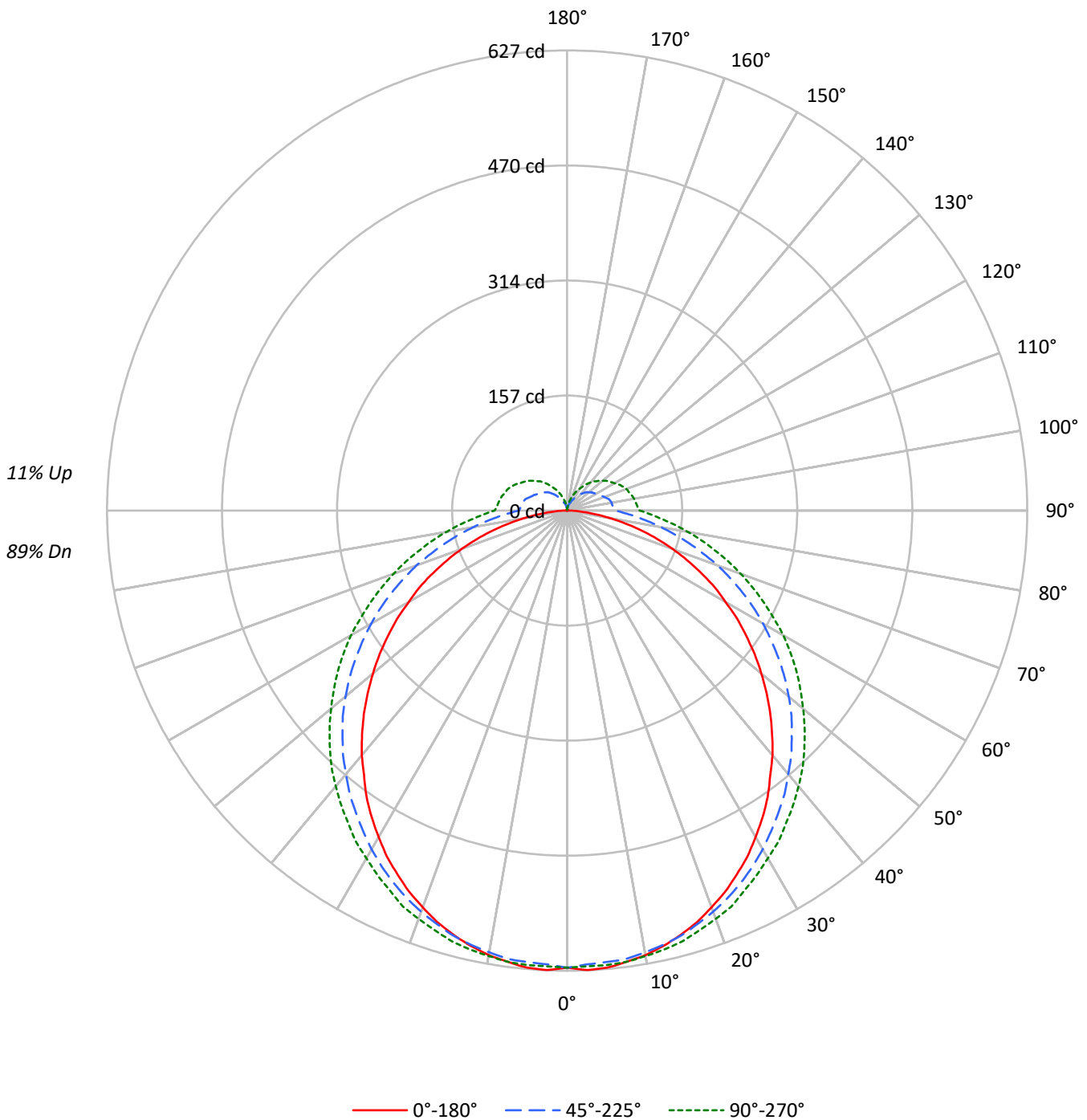
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2217.0 lumens  
Efficiency: N/A  
Efficacy: 148.8 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')  
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	13408	13408	13408
5°	13415	12755	12690
10°	13251	12218	12055
15°	13045	11701	11486
20°	12792	11170	10912
25°	12507	10661	10354
30°	12181	10142	9818
35°	11830	9622	9317
40°	11434	9115	8839
45°	11005	8608	8350
50°	10523	8089	7837
55°	9992	7513	7333
60°	9372	6916	6800
65°	8712	6273	6191
70°	7826	5592	5595
75°	6681	4805	4960
80°	4975	4012	4328
85°	2922	3277	3679



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.2	2.7
10°-20°	170.0	7.7
20°-30°	258.5	11.7
30°-40°	313.8	14.2
40°-50°	331.6	15.0
50°-60°	310.3	14.0
60°-70°	254.6	11.5
70°-80°	175.1	7.9
80°-90°	95.9	4.3
90°-100°	61.7	2.8
100°-110°	55.4	2.5
110°-120°	45.9	2.1
120°-130°	35.3	1.6
130°-140°	24.8	1.1
140°-150°	15.0	0.7
150°-160°	7.2	0.3
160°-170°	2.4	0.1
170°-180°	0.3	0.0
0°-30°	487.7	22.0
0°-40°	801.5	36.2
0°-60°	1443.4	65.1
0°-90°	1969.1	88.8
90°-120°	163.0	7.4
90°-150°	238.1	10.7
90°-180°	248.0	11.2
0°-180°	2217.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	625	624	618	623	622	59
15°	598	601	600	607	607	169
25°	547	553	560	571	571	252
35°	476	488	502	516	520	298
45°	392	410	433	452	457	302
55°	298	322	352	374	381	267
65°	202	229	263	288	295	200
75°	105	134	172	199	208	111
85°	23	55	94	119	128	27
90°	0	31	66	90	99	2
95°	0	30	63	86	95	0
105°	0	24	59	81	89	1
115°	1	22	50	72	81	1
125°	1	18	42	62	69	1
135°	1	14	35	50	56	1
145°	1	10	24	38	42	1
155°	1	6	15	24	28	1
165°	1	4	8	12	14	0
175°	1	1	3	3	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	622.8	622.8	622.8	622.8	622.8
2.5°	626.6	625.3	618.9	624.0	621.5
5°	625.3	624.0	617.6	622.8	621.5
7.5°	620.2	620.2	616.3	621.5	620.2
10°	615.1	615.1	611.2	617.6	616.3
12.5°	607.4	608.6	606.1	613.8	612.5
15°	598.4	600.9	599.6	607.4	607.4
17.5°	588.1	590.7	590.7	599.6	599.6
20°	575.3	579.1	581.7	591.9	591.9
22.5°	562.4	567.5	571.4	580.4	584.2
25°	547.0	553.4	559.8	571.4	571.4
27.5°	531.6	539.3	547.0	558.6	559.8
30°	513.6	522.6	532.9	544.4	547.0
32.5°	495.6	507.2	517.5	531.6	535.4
35°	476.4	487.9	502.1	516.2	520.0
37.5°	454.6	468.7	486.7	502.1	505.9
40°	435.3	450.7	468.7	486.7	490.5
42.5°	413.5	430.2	452.0	468.7	475.1
45°	391.6	409.6	432.7	452.0	457.1
47.5°	368.5	389.1	414.7	432.7	439.1
50°	345.4	367.2	394.2	414.7	419.9
52.5°	322.3	345.4	373.7	394.2	400.6
55°	297.9	322.3	351.8	373.7	381.4
57.5°	274.8	299.2	330.0	353.1	360.8
60°	249.1	277.4	308.2	331.3	340.3
62.5°	227.3	253.0	286.3	309.5	317.2
65°	201.6	228.6	263.2	287.6	295.3
67.5°	177.2	205.4	240.1	265.8	273.5
70°	152.8	181.0	218.3	242.7	251.7
72.5°	128.4	157.9	193.9	220.9	229.8
75°	105.3	133.5	172.1	199.0	208.0
77.5°	80.9	111.7	150.2	177.2	187.5
80°	59.1	91.2	129.7	156.7	166.9
82.5°	39.8	71.9	110.4	137.4	147.7
85°	23.1	55.2	93.7	119.4	128.4
87.5°	11.6	42.4	78.3	104.0	113.0
90°	0.0	30.8	65.5	89.9	98.9
92.5°	0.0	29.5	64.2	87.3	96.3
95°	0.0	29.5	62.9	86.0	95.0
97.5°	0.0	28.2	61.6	86.0	93.7
100°	0.0	27.0	61.6	84.7	92.5
102.5°	0.0	25.7	60.3	83.5	91.2
105°	0.0	24.4	59.1	80.9	88.6
107.5°	1.3	24.4	56.5	79.6	87.3
110°	1.3	23.1	53.9	78.3	86.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.8	51.4	75.8	83.5
115°	1.3	21.8	50.1	71.9	80.9
117.5°	1.3	20.5	47.5	69.3	78.3
120°	1.3	20.5	46.2	66.8	74.5
122.5°	1.3	19.3	43.7	64.2	71.9
125°	1.3	18.0	42.4	61.6	69.3
127.5°	1.3	16.7	41.1	59.1	66.8
130°	1.3	15.4	38.5	56.5	62.9
132.5°	1.3	15.4	37.2	52.6	60.3
135°	1.3	14.1	34.7	50.1	56.5
137.5°	1.3	12.8	32.1	47.5	53.9
140°	1.3	11.6	29.5	44.9	50.1
142.5°	1.3	11.6	27.0	41.1	46.2
145°	1.3	10.3	24.4	38.5	42.4
147.5°	1.3	9.0	21.8	34.7	38.5
150°	1.3	9.0	19.3	30.8	34.7
152.5°	1.3	7.7	16.7	28.2	32.1
155°	1.3	6.4	15.4	24.4	28.2
157.5°	1.3	6.4	12.8	20.5	24.4
160°	1.3	5.1	11.6	16.7	20.5
162.5°	1.3	5.1	10.3	14.1	18.0
165°	1.3	3.9	7.7	11.6	14.1
167.5°	1.3	3.9	6.4	9.0	11.6
170°	1.3	2.6	5.1	6.4	9.0
172.5°	1.3	2.6	3.9	3.9	3.9
175°	1.3	1.3	2.6	2.6	1.3
177.5°	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)