

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: P566169

Luminaire Tested: **4SNX-22SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566169  
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: 4SNX-22SL-SLW-UNV-L850-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

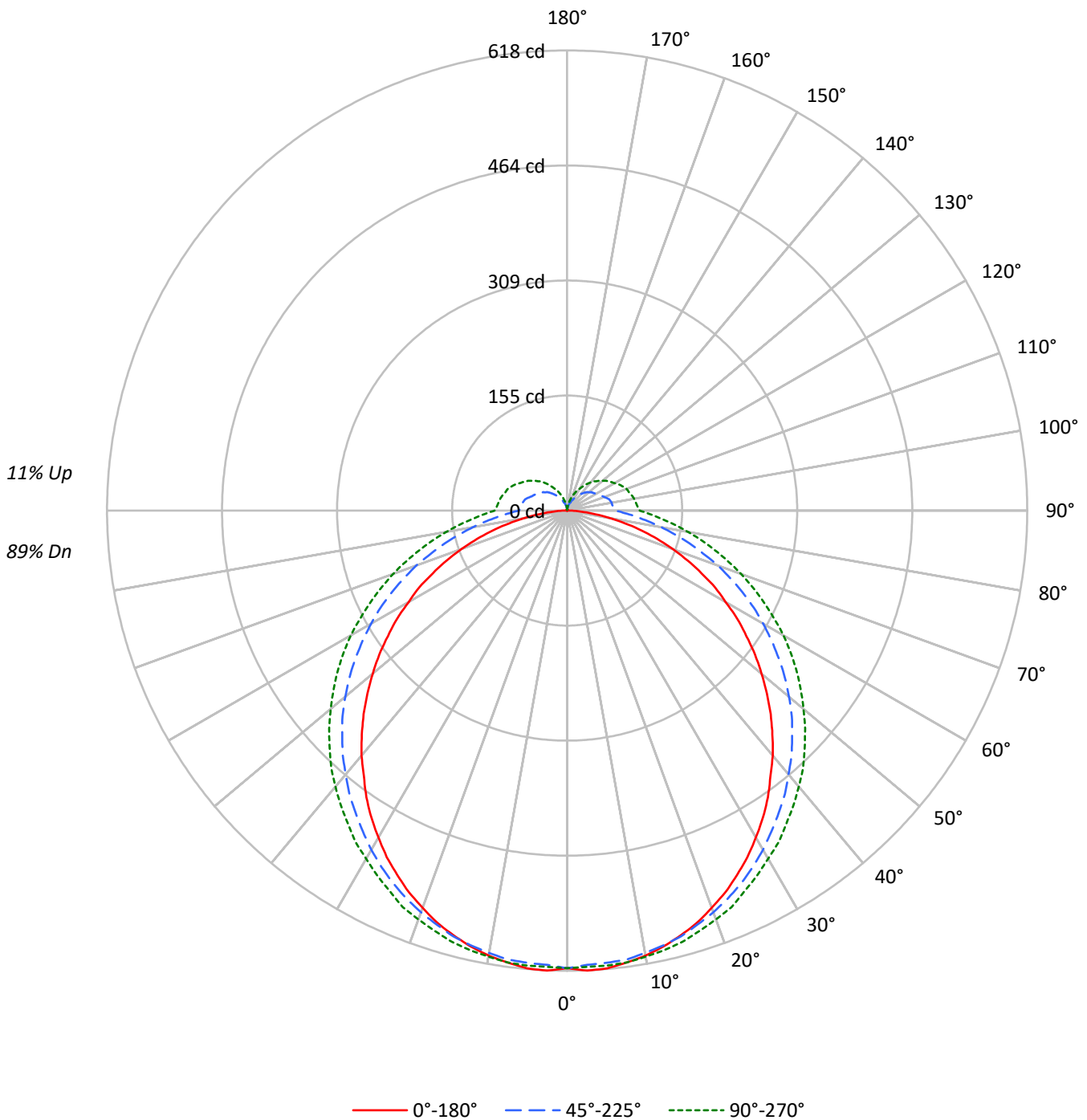
Lumens per Lamp: N/A  
Luminaire Lumens: 2188.0 lumens  
Efficiency: N/A  
Efficacy: 158.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 13.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	76	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°	6616	6616	6616
5°	6656	6445	6440
10°	6610	6315	6281
15°	6544	6182	6134
20°	6454	6029	5970
25°	6350	5878	5799
30°	6226	5714	5630
35°	6089	5543	5472
40°	5933	5374	5320
45°	5764	5204	5155
50°	5571	5021	4972
55°	5359	4804	4792
60°	5108	4572	4590
65°	4853	4311	4337
70°	4490	4022	4088
75°	4010	3657	3813
80°	3233	3286	3541
85°	2276	2966	3263



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.4	2.7
10°-20°	167.8	7.7
20°-30°	255.1	11.7
30°-40°	309.7	14.2
40°-50°	327.3	15.0
50°-60°	306.3	14.0
60°-70°	251.3	11.5
70°-80°	172.8	7.9
80°-90°	94.6	4.3
90°-100°	60.9	2.8
100°-110°	54.7	2.5
110°-120°	45.3	2.1
120°-130°	34.9	1.6
130°-140°	24.5	1.1
140°-150°	14.8	0.7
150°-160°	7.1	0.3
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	481.3	22.0
0°-40°	791.0	36.2
0°-60°	1424.5	65.1
0°-90°	1943.3	88.8
90°-120°	160.9	7.4
90°-150°	235.0	10.7
90°-180°	245.0	11.2
0°-180°	2188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	615	615	615	615	615	
5°	617	616	610	615	613	59
15°	590	593	592	599	599	167
25°	540	546	552	564	564	249
35°	470	482	496	509	513	294
45°	386	404	427	446	451	298
55°	294	318	347	369	376	263
65°	199	226	260	284	292	197
75°	104	132	170	196	205	109
85°	23	54	92	118	127	26
90°	0	30	65	89	98	2
95°	0	29	62	85	94	0
105°	0	24	58	80	87	1
115°	1	22	49	71	80	1
125°	1	18	42	61	68	1
135°	1	14	34	49	56	1
145°	1	10	24	38	42	1
155°	1	6	15	24	28	1
165°	1	4	8	11	14	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	614.6	614.6	614.6	614.6	614.6
2.5°	618.4	617.1	610.8	615.9	613.3
5°	617.1	615.9	609.5	614.6	613.3
7.5°	612.1	612.1	608.3	613.3	612.1
10°	607.0	607.0	603.2	609.5	608.3
12.5°	599.4	600.7	598.1	605.7	604.5
15°	590.5	593.1	591.8	599.4	599.4
17.5°	580.4	582.9	582.9	591.8	591.8
20°	567.7	571.5	574.1	584.2	584.2
22.5°	555.1	560.1	563.9	572.8	576.6
25°	539.8	546.2	552.5	563.9	563.9
27.5°	524.6	532.2	539.8	551.3	552.5
30°	506.9	515.8	525.9	537.3	539.8
32.5°	489.2	500.6	510.7	524.6	528.4
35°	470.1	481.6	495.5	509.4	513.2
37.5°	448.6	462.5	480.3	495.5	499.3
40°	429.6	444.8	462.5	480.3	484.1
42.5°	408.1	424.5	446.1	462.5	468.9
45°	386.5	404.3	427.1	446.1	451.1
47.5°	363.7	384.0	409.3	427.1	433.4
50°	340.9	362.4	389.0	409.3	414.4
52.5°	318.1	340.9	368.8	389.0	395.4
55°	294.0	318.1	347.2	368.8	376.4
57.5°	271.2	295.3	325.7	348.5	356.1
60°	245.8	273.7	304.1	326.9	335.8
62.5°	224.3	249.6	282.6	305.4	313.0
65°	199.0	225.6	259.8	283.9	291.5
67.5°	174.9	202.8	237.0	262.3	269.9
70°	150.8	178.7	215.4	239.5	248.4
72.5°	126.7	155.9	191.4	218.0	226.8
75°	103.9	131.8	169.8	196.4	205.3
77.5°	79.8	110.3	148.3	174.9	185.0
80°	58.3	90.0	128.0	154.6	164.7
82.5°	39.3	71.0	109.0	135.6	145.7
85°	22.8	54.5	92.5	117.9	126.7
87.5°	11.4	41.8	77.3	102.6	111.5
90°	0.0	30.4	64.6	88.7	97.6
92.5°	0.0	29.1	63.4	86.2	95.0
95°	0.0	29.1	62.1	84.9	93.8
97.5°	0.0	27.9	60.8	84.9	92.5
100°	0.0	26.6	60.8	83.6	91.2
102.5°	0.0	25.3	59.6	82.4	90.0
105°	0.0	24.1	58.3	79.8	87.4
107.5°	1.3	24.1	55.8	78.6	86.2
110°	1.3	22.8	53.2	77.3	84.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	21.5	50.7	74.8	82.4
115°	1.3	21.5	49.4	71.0	79.8
117.5°	1.3	20.3	46.9	68.4	77.3
120°	1.3	20.3	45.6	65.9	73.5
122.5°	1.3	19.0	43.1	63.4	71.0
125°	1.3	17.7	41.8	60.8	68.4
127.5°	1.3	16.5	40.6	58.3	65.9
130°	1.3	15.2	38.0	55.8	62.1
132.5°	1.3	15.2	36.8	52.0	59.6
135°	1.3	13.9	34.2	49.4	55.8
137.5°	1.3	12.7	31.7	46.9	53.2
140°	1.3	11.4	29.1	44.4	49.4
142.5°	1.3	11.4	26.6	40.6	45.6
145°	1.3	10.1	24.1	38.0	41.8
147.5°	1.3	8.9	21.5	34.2	38.0
150°	1.3	8.9	19.0	30.4	34.2
152.5°	1.3	7.6	16.5	27.9	31.7
155°	1.3	6.3	15.2	24.1	27.9
157.5°	1.3	6.3	12.7	20.3	24.1
160°	1.3	5.1	11.4	16.5	20.3
162.5°	1.3	5.1	10.1	13.9	17.7
165°	1.3	3.8	7.6	11.4	13.9
167.5°	1.3	3.8	6.3	8.9	11.4
170°	1.3	2.5	5.1	6.3	8.9
172.5°	1.3	2.5	3.8	3.8	3.8
175°	1.3	1.3	2.5	2.5	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)