

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: P566134

Luminaire Tested: **4SNX-22SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566134  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-22SL-FDL-UNV-L830-CD  
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

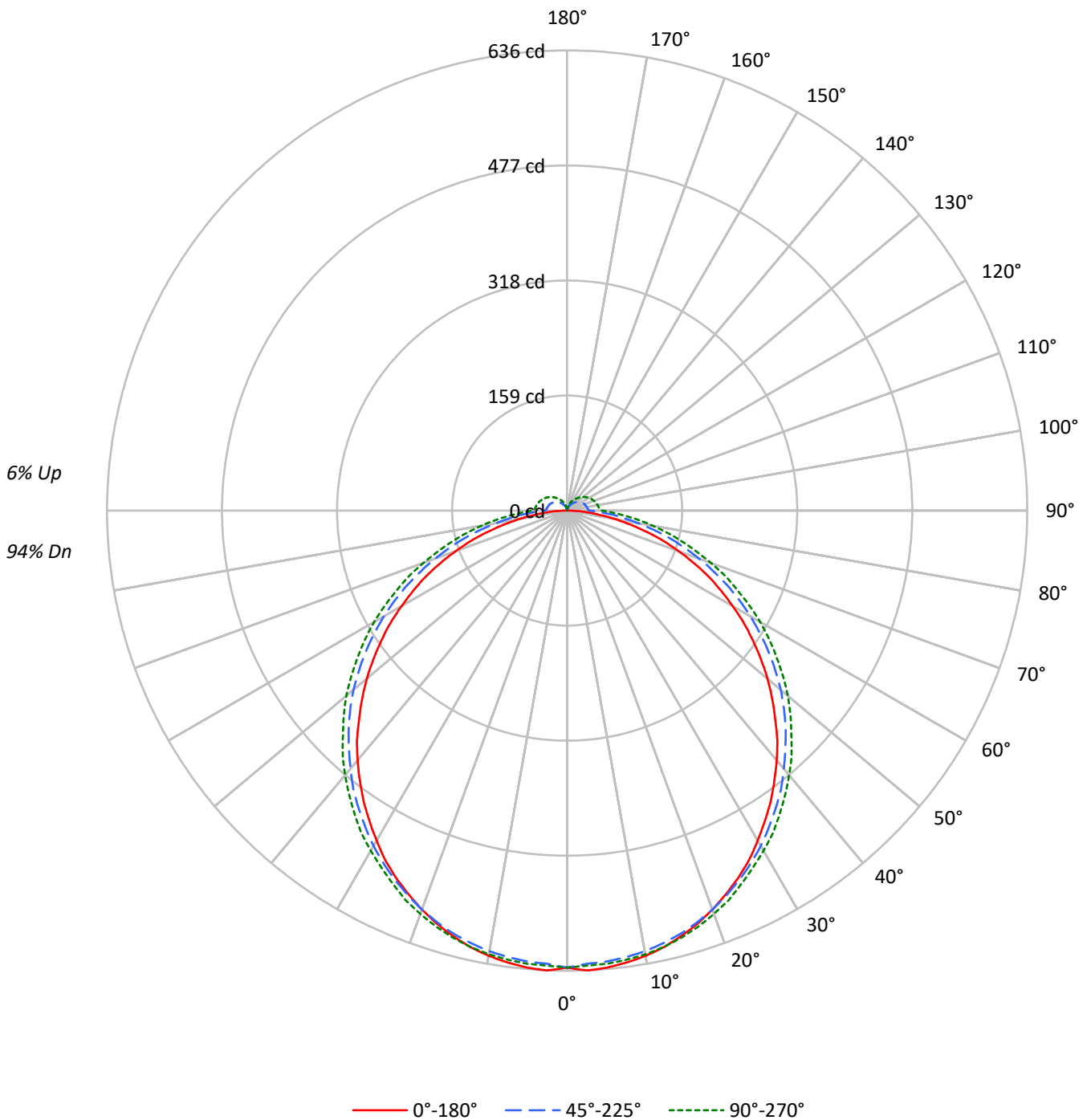
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2007.0 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: 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	118	118	118	118	114	114	114	114	108	108	108		102	102	102		97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87		88	86	83		84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71		77	73	69		73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59		68	62	57		64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50		60	54	49		57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43		54	47	42		51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38		49	42	37		47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33		44	38	33		43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30		41	34	29		39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27		37	31	26		36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24		35	28	24		33	28	24	22

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

	0°	45°	90°
0°	6798	6798	6798
5°	6845	6685	6695
10°	6817	6613	6612
15°	6765	6530	6518
20°	6696	6429	6406
25°	6616	6318	6275
30°	6507	6204	6153
35°	6399	6072	6026
40°	6278	5924	5884
45°	6126	5779	5718
50°	5979	5614	5566
55°	5797	5409	5355
60°	5591	5175	5147
65°	5374	4895	4862
70°	5002	4545	4566
75°	4552	4130	4210
80°	3892	3581	3818
85°	3057	3104	3354



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.9	3.0
10°-20°	171.9	8.6
20°-30°	260.5	13.0
30°-40°	314.4	15.7
40°-50°	328.3	16.4
50°-60°	301.6	15.0
60°-70°	238.5	11.9
70°-80°	151.0	7.5
80°-90°	64.9	3.2
90°-100°	28.6	1.4
100°-110°	25.6	1.3
110°-120°	21.6	1.1
120°-130°	16.8	0.8
130°-140°	11.7	0.6
140°-150°	7.0	0.3
150°-160°	3.4	0.2
160°-170°	1.2	0.1
170°-180°	0.2	0.0
0°-30°	492.2	24.5
0°-40°	806.7	40.2
0°-60°	1436.7	71.6
0°-90°	1891.0	94.2
90°-120°	75.7	3.8
90°-150°	111.2	5.5
90°-180°	116.0	5.8
0°-180°	2007.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	634	632	626	631	629	60
15°	609	609	606	612	611	172
25°	560	562	563	570	569	258
35°	490	496	503	510	512	307
45°	407	416	427	435	438	314
55°	314	326	340	351	353	280
65°	216	228	244	255	259	212
75°	114	127	146	158	164	121
85°	28	43	61	74	79	31
90°	2	15	31	44	48	2
95°	0	13	28	40	44	0
105°	0	12	27	37	41	0
115°	0	10	24	34	37	0
125°	1	9	20	29	32	1
135°	1	7	16	23	26	1
145°	1	5	11	17	19	0
155°	1	4	8	11	13	0
165°	1	2	4	5	8	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°	631.6	631.6	631.6	631.6	631.6
2.5°	636.2	634.1	626.9	631.9	629.4
5°	634.1	632.3	625.5	630.9	628.7
7.5°	630.1	628.7	622.7	628.4	626.2
10°	624.8	623.7	618.4	624.1	622.7
12.5°	618.1	617.7	612.4	618.8	617.7
15°	608.8	608.8	605.6	612.0	611.0
17.5°	598.9	599.2	596.7	603.5	602.8
20°	586.8	588.6	586.8	593.9	593.2
22.5°	573.6	576.1	575.4	582.5	582.9
25°	559.8	562.3	563.0	570.4	569.4
27.5°	544.5	548.4	549.8	556.6	556.2
30°	526.7	532.1	535.2	540.9	542.7
32.5°	508.6	515.0	518.9	526.7	528.9
35°	490.5	496.2	502.6	510.4	512.1
37.5°	470.6	477.0	485.5	493.0	495.1
40°	450.7	457.8	465.9	474.1	477.3
42.5°	430.0	437.5	446.4	456.0	459.2
45°	406.6	416.5	427.2	435.4	438.2
47.5°	384.2	395.2	406.6	415.5	418.7
50°	361.5	373.2	385.3	393.4	398.4
52.5°	337.6	350.4	362.5	372.8	376.0
55°	313.5	326.3	339.8	350.8	353.3
57.5°	290.0	302.5	316.0	326.3	331.2
60°	264.4	277.9	292.5	302.8	308.1
62.5°	239.5	252.7	268.3	279.4	283.6
65°	215.7	227.8	243.8	255.2	259.1
67.5°	189.4	203.3	218.6	231.7	236.7
70°	163.5	176.6	194.1	206.5	211.5
72.5°	139.3	152.1	169.5	182.0	186.6
75°	113.7	127.2	145.7	158.2	164.2
77.5°	89.2	104.1	121.9	135.4	142.2
80°	66.5	79.6	98.8	113.7	119.8
82.5°	45.1	59.4	79.3	93.1	99.9
85°	27.7	42.6	61.1	74.3	78.9
87.5°	13.2	27.4	44.4	57.2	62.9
90°	1.8	15.3	31.3	43.7	48.3
92.5°	0.4	13.2	28.8	40.5	44.8
95°	0.4	13.2	28.4	39.8	44.1
97.5°	0.4	12.8	28.1	39.5	43.4
100°	0.4	12.4	27.7	38.7	43.0
102.5°	0.4	12.4	27.0	38.0	41.9
105°	0.4	12.1	26.7	37.3	41.2
107.5°	0.4	11.7	25.9	36.6	40.5
110°	0.4	11.0	25.6	35.5	39.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	10.7	24.9	34.8	38.4
115°	0.4	10.3	24.2	33.8	37.3
117.5°	0.4	10.0	23.1	32.7	36.3
120°	0.7	10.0	22.4	31.6	34.8
122.5°	0.7	9.6	21.3	30.2	33.4
125°	0.7	9.2	20.3	29.1	32.3
127.5°	0.7	8.9	19.2	27.7	30.6
130°	0.7	8.2	18.5	26.3	29.1
132.5°	0.7	7.8	17.4	24.5	27.4
135°	0.7	7.1	16.3	23.1	25.9
137.5°	0.7	6.8	15.3	21.7	24.2
140°	0.7	6.4	13.9	20.3	22.7
142.5°	0.7	5.7	12.8	18.8	21.0
145°	0.7	5.3	11.4	17.4	19.2
147.5°	0.7	4.6	10.3	16.0	17.8
150°	0.7	4.3	9.2	14.6	16.3
152.5°	0.7	3.9	8.2	12.8	14.6
155°	0.7	3.6	7.5	11.0	13.2
157.5°	0.7	3.2	6.4	9.6	11.7
160°	1.1	2.8	5.7	8.2	10.0
162.5°	1.1	2.5	4.6	6.8	8.9
165°	1.1	2.5	3.9	5.3	7.5
167.5°	1.1	2.1	3.2	4.3	6.0
170°	1.1	1.8	2.8	3.2	4.6
172.5°	1.1	1.4	2.1	2.1	2.5
175°	1.1	1.4	1.8	1.8	1.1
177.5°	1.1	1.1	1.1	1.1	0.7
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)