

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: P566158

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566158
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-LW-UNV-L830-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

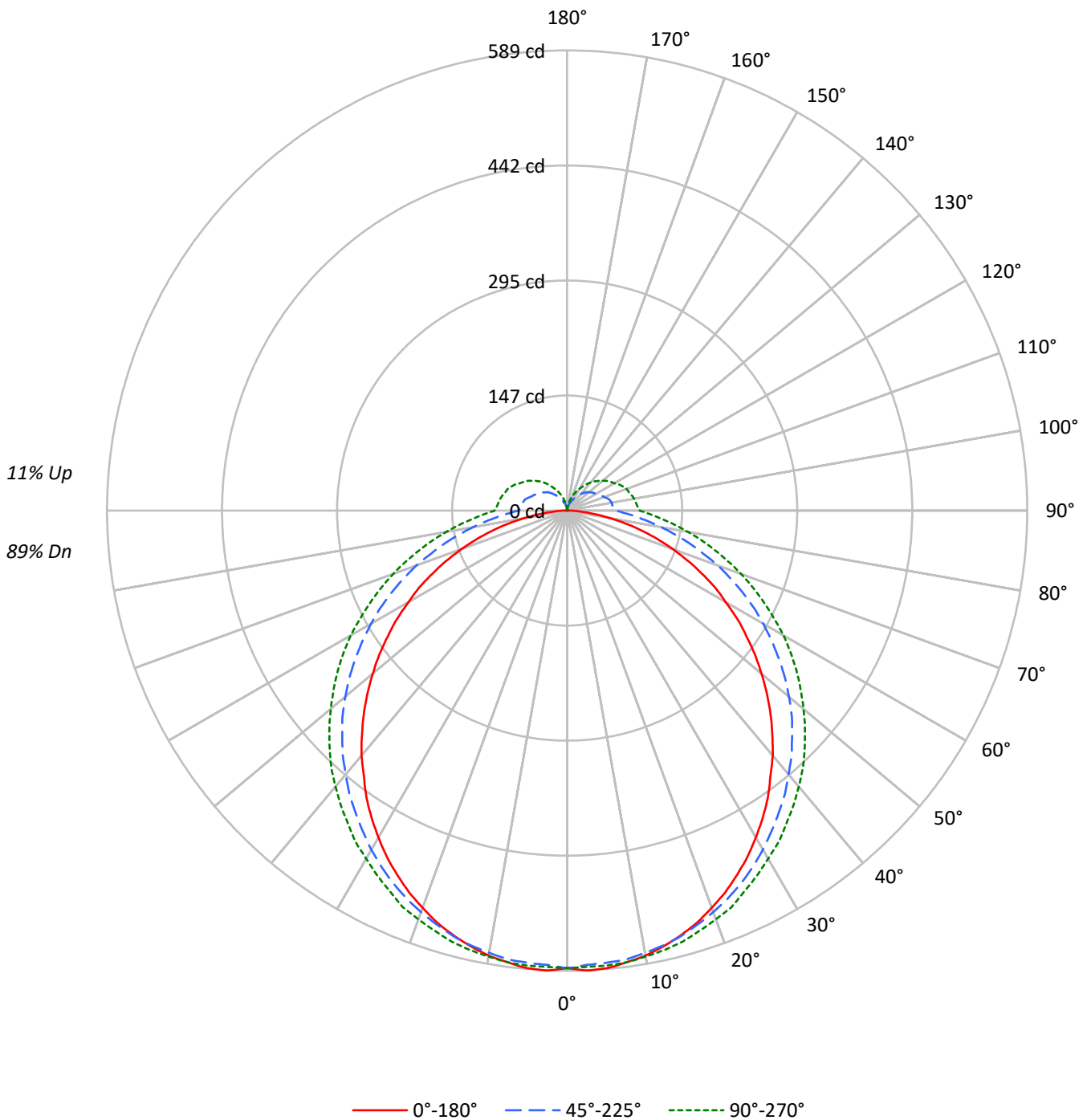
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2085.0 lumens
Efficiency: N/A
Efficacy: 151.1 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	6304	6304	6304
5°	6331	6013	5967
10°	6276	5773	5669
15°	6201	5540	5401
20°	6104	5300	5132
25°	5993	5069	4869
30°	5862	4832	4617
35°	5720	4594	4382
40°	5558	4361	4157
45°	5382	4128	3926
50°	5182	3887	3685
55°	4963	3620	3448
60°	4704	3341	3197
65°	4433	3040	2911
70°	4058	2719	2631
75°	3563	2345	2332
80°	2783	1969	2036
85°	1815	1620	1731



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	2.7
10°-20°	159.9	7.7
20°-30°	243.1	11.7
30°-40°	295.1	14.2
40°-50°	311.9	15.0
50°-60°	291.8	14.0
60°-70°	239.5	11.5
70°-80°	164.7	7.9
80°-90°	90.2	4.3
90°-100°	58.1	2.8
100°-110°	52.1	2.5
110°-120°	43.1	2.1
120°-130°	33.2	1.6
130°-140°	23.3	1.1
140°-150°	14.1	0.7
150°-160°	6.7	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	458.7	22.0
0°-40°	753.8	36.2
0°-60°	1357.5	65.1
0°-90°	1851.9	88.8
90°-120°	153.3	7.4
90°-150°	224.0	10.7
90°-180°	233.0	11.2
0°-180°	2085.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	588	587	581	586	584	56
15°	563	565	564	571	571	159
25°	514	520	526	537	537	237
35°	448	459	472	486	489	280
45°	368	385	407	425	430	284
55°	280	303	331	351	359	251
65°	190	215	248	270	278	188
75°	99	126	162	187	196	104
85°	22	52	88	112	121	25
90°	0	29	62	84	93	1
95°	0	28	59	81	89	0
105°	0	23	56	76	83	1
115°	1	20	47	68	76	1
125°	1	17	40	58	65	1
135°	1	13	33	47	53	1
145°	1	10	23	36	40	1
155°	1	6	14	23	27	1
165°	1	4	7	11	13	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°	585.7	585.7	585.7	585.7	585.7
2.5°	589.3	588.1	582.1	586.9	584.5
5°	588.1	586.9	580.9	585.7	584.5
7.5°	583.3	583.3	579.6	584.5	583.3
10°	578.4	578.4	574.8	580.9	579.6
12.5°	571.2	572.4	570.0	577.2	576.0
15°	562.7	565.2	563.9	571.2	571.2
17.5°	553.1	555.5	555.5	563.9	563.9
20°	541.0	544.6	547.0	556.7	556.7
22.5°	528.9	533.8	537.4	545.8	549.5
25°	514.4	520.5	526.5	537.4	537.4
27.5°	499.9	507.2	514.4	525.3	526.5
30°	483.0	491.5	501.2	512.0	514.4
32.5°	466.1	477.0	486.7	499.9	503.6
35°	448.0	458.9	472.2	485.5	489.1
37.5°	427.5	440.8	457.7	472.2	475.8
40°	409.4	423.9	440.8	457.7	461.3
42.5°	388.8	404.5	425.1	440.8	446.8
45°	368.3	385.2	407.0	425.1	429.9
47.5°	346.6	365.9	390.1	407.0	413.0
50°	324.8	345.4	370.7	390.1	394.9
52.5°	303.1	324.8	351.4	370.7	376.8
55°	280.2	303.1	330.9	351.4	358.7
57.5°	258.4	281.4	310.4	332.1	339.3
60°	234.3	260.8	289.8	311.6	320.0
62.5°	213.7	237.9	269.3	291.0	298.3
65°	189.6	215.0	247.6	270.5	277.7
67.5°	166.6	193.2	225.8	250.0	257.2
70°	143.7	170.3	205.3	228.2	236.7
72.5°	120.8	148.5	182.3	207.7	216.2
75°	99.0	125.6	161.8	187.2	195.6
77.5°	76.1	105.1	141.3	166.6	176.3
80°	55.5	85.7	122.0	147.3	157.0
82.5°	37.4	67.6	103.9	129.2	138.9
85°	21.7	51.9	88.2	112.3	120.8
87.5°	10.9	39.9	73.7	97.8	106.3
90°	0.0	29.0	61.6	84.5	93.0
92.5°	0.0	27.8	60.4	82.1	90.6
95°	0.0	27.8	59.2	80.9	89.4
97.5°	0.0	26.6	58.0	80.9	88.2
100°	0.0	25.4	58.0	79.7	86.9
102.5°	0.0	24.2	56.8	78.5	85.7
105°	0.0	22.9	55.5	76.1	83.3
107.5°	1.2	22.9	53.1	74.9	82.1
110°	1.2	21.7	50.7	73.7	80.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.5	48.3	71.2	78.5
115°	1.2	20.5	47.1	67.6	76.1
117.5°	1.2	19.3	44.7	65.2	73.7
120°	1.2	19.3	43.5	62.8	70.0
122.5°	1.2	18.1	41.1	60.4	67.6
125°	1.2	16.9	39.9	58.0	65.2
127.5°	1.2	15.7	38.6	55.5	62.8
130°	1.2	14.5	36.2	53.1	59.2
132.5°	1.2	14.5	35.0	49.5	56.8
135°	1.2	13.3	32.6	47.1	53.1
137.5°	1.2	12.1	30.2	44.7	50.7
140°	1.2	10.9	27.8	42.3	47.1
142.5°	1.2	10.9	25.4	38.6	43.5
145°	1.2	9.7	22.9	36.2	39.9
147.5°	1.2	8.5	20.5	32.6	36.2
150°	1.2	8.5	18.1	29.0	32.6
152.5°	1.2	7.2	15.7	26.6	30.2
155°	1.2	6.0	14.5	22.9	26.6
157.5°	1.2	6.0	12.1	19.3	22.9
160°	1.2	4.8	10.9	15.7	19.3
162.5°	1.2	4.8	9.7	13.3	16.9
165°	1.2	3.6	7.2	10.9	13.3
167.5°	1.2	3.6	6.0	8.5	10.9
170°	1.2	2.4	4.8	6.0	8.5
172.5°	1.2	2.4	3.6	3.6	3.6
175°	1.2	1.2	2.4	2.4	1.2
177.5°	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)