

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: P566170

Luminaire Tested: **4SNX-22SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566170
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-L930-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

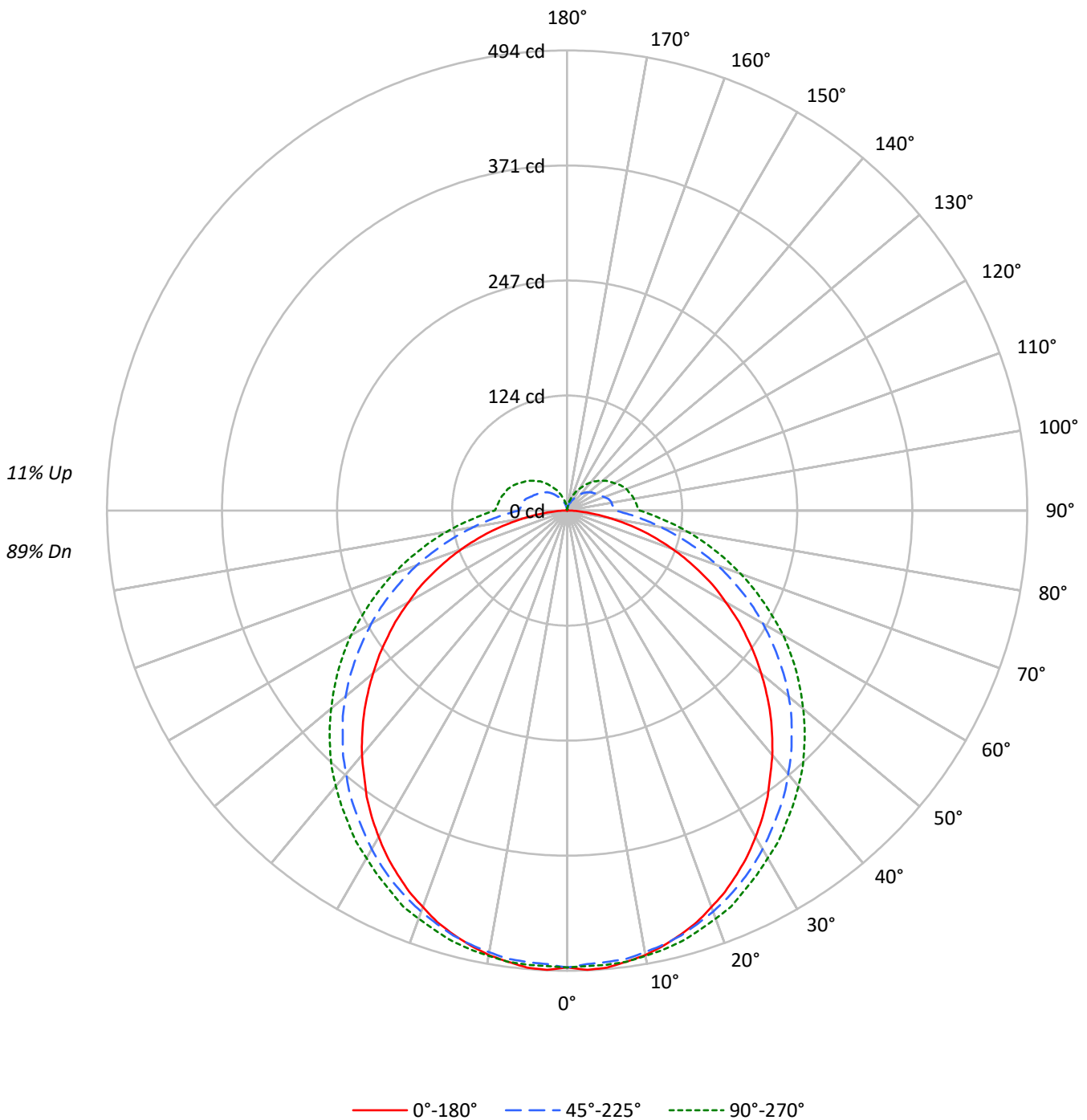
Lumens per Lamp: N/A
Luminaire Lumens: 1746.0 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (A_{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	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°	5280	5280	5280
5°	5312	5143	5139
10°	5275	5040	5012
15°	5222	4933	4895
20°	5150	4811	4764
25°	5067	4691	4628
30°	4968	4560	4493
35°	4860	4423	4367
40°	4734	4289	4245
45°	4599	4152	4114
50°	4445	4008	3968
55°	4276	3834	3823
60°	4077	3649	3663
65°	3872	3440	3460
70°	3582	3210	3262
75°	3200	2918	3042
80°	2579	2621	2827
85°	1817	2367	2604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	2.7
10°-20°	133.9	7.7
20°-30°	203.6	11.7
30°-40°	247.1	14.2
40°-50°	261.2	15.0
50°-60°	244.4	14.0
60°-70°	200.5	11.5
70°-80°	137.9	7.9
80°-90°	75.5	4.3
90°-100°	48.6	2.8
100°-110°	43.6	2.5
110°-120°	36.1	2.1
120°-130°	27.8	1.6
130°-140°	19.5	1.1
140°-150°	11.8	0.7
150°-160°	5.6	0.3
160°-170°	1.8	0.1
170°-180°	0.2	0.0
0°-30°	384.1	22.0
0°-40°	631.2	36.2
0°-60°	1136.8	65.1
0°-90°	1550.7	88.8
90°-120°	128.4	7.4
90°-150°	187.5	10.7
90°-180°	195.0	11.2
0°-180°	1746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	490	490	490	490	490	
5°	492	492	486	490	489	47
15°	471	473	472	478	478	133
25°	431	436	441	450	450	199
35°	375	384	395	406	410	234
45°	308	323	341	356	360	238
55°	235	254	277	294	300	210
65°	159	180	207	226	233	157
75°	83	105	136	157	164	87
85°	18	44	74	94	101	21
90°	0	24	52	71	78	1
95°	0	23	50	68	75	0
105°	0	19	46	64	70	1
115°	1	17	39	57	64	1
125°	1	14	33	48	55	1
135°	1	11	27	39	44	1
145°	1	8	19	30	33	1
155°	1	5	12	19	22	0
165°	1	3	6	9	11	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°	490.5	490.5	490.5	490.5	490.5
2.5°	493.5	492.5	487.4	491.5	489.4
5°	492.5	491.5	486.4	490.5	489.4
7.5°	488.4	488.4	485.4	489.4	488.4
10°	484.4	484.4	481.4	486.4	485.4
12.5°	478.3	479.3	477.3	483.4	482.4
15°	471.2	473.3	472.3	478.3	478.3
17.5°	463.2	465.2	465.2	472.3	472.3
20°	453.0	456.1	458.1	466.2	466.2
22.5°	442.9	447.0	450.0	457.1	460.1
25°	430.8	435.8	440.9	450.0	450.0
27.5°	418.7	424.7	430.8	439.9	440.9
30°	404.5	411.6	419.7	428.8	430.8
32.5°	390.3	399.4	407.5	418.7	421.7
35°	375.2	384.3	395.4	406.5	409.6
37.5°	358.0	369.1	383.3	395.4	398.4
40°	342.8	354.9	369.1	383.3	386.3
42.5°	325.6	338.8	356.0	369.1	374.2
45°	308.4	322.6	340.8	356.0	360.0
47.5°	290.2	306.4	326.6	340.8	345.8
50°	272.0	289.2	310.5	326.6	330.7
52.5°	253.8	272.0	294.3	310.5	315.5
55°	234.6	253.8	277.1	294.3	300.3
57.5°	216.4	235.6	259.9	278.1	284.2
60°	196.2	218.4	242.7	260.9	268.0
62.5°	179.0	199.2	225.5	243.7	249.8
65°	158.8	180.0	207.3	226.5	232.6
67.5°	139.6	161.8	189.1	209.3	215.4
70°	120.3	142.6	171.9	191.1	198.2
72.5°	101.1	124.4	152.7	173.9	181.0
75°	82.9	105.2	135.5	156.7	163.8
77.5°	63.7	88.0	118.3	139.6	147.6
80°	46.5	71.8	102.1	123.4	131.5
82.5°	31.3	56.6	87.0	108.2	116.3
85°	18.2	43.5	73.8	94.0	101.1
87.5°	9.1	33.4	61.7	81.9	89.0
90°	0.0	24.3	51.6	70.8	77.9
92.5°	0.0	23.3	50.6	68.8	75.8
95°	0.0	23.3	49.6	67.8	74.8
97.5°	0.0	22.2	48.5	67.8	73.8
100°	0.0	21.2	48.5	66.7	72.8
102.5°	0.0	20.2	47.5	65.7	71.8
105°	0.0	19.2	46.5	63.7	69.8
107.5°	1.0	19.2	44.5	62.7	68.8
110°	1.0	18.2	42.5	61.7	67.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	17.2	40.4	59.7	65.7
115°	1.0	17.2	39.4	56.6	63.7
117.5°	1.0	16.2	37.4	54.6	61.7
120°	1.0	16.2	36.4	52.6	58.7
122.5°	1.0	15.2	34.4	50.6	56.6
125°	1.0	14.2	33.4	48.5	54.6
127.5°	1.0	13.1	32.4	46.5	52.6
130°	1.0	12.1	30.3	44.5	49.6
132.5°	1.0	12.1	29.3	41.5	47.5
135°	1.0	11.1	27.3	39.4	44.5
137.5°	1.0	10.1	25.3	37.4	42.5
140°	1.0	9.1	23.3	35.4	39.4
142.5°	1.0	9.1	21.2	32.4	36.4
145°	1.0	8.1	19.2	30.3	33.4
147.5°	1.0	7.1	17.2	27.3	30.3
150°	1.0	7.1	15.2	24.3	27.3
152.5°	1.0	6.1	13.1	22.2	25.3
155°	1.0	5.1	12.1	19.2	22.2
157.5°	1.0	5.1	10.1	16.2	19.2
160°	1.0	4.0	9.1	13.1	16.2
162.5°	1.0	4.0	8.1	11.1	14.2
165°	1.0	3.0	6.1	9.1	11.1
167.5°	1.0	3.0	5.1	7.1	9.1
170°	1.0	2.0	4.0	5.1	7.1
172.5°	1.0	2.0	3.0	3.0	3.0
175°	1.0	1.0	2.0	2.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)