

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: P566166

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566166
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-L830-CD
Description: 4FT 2200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

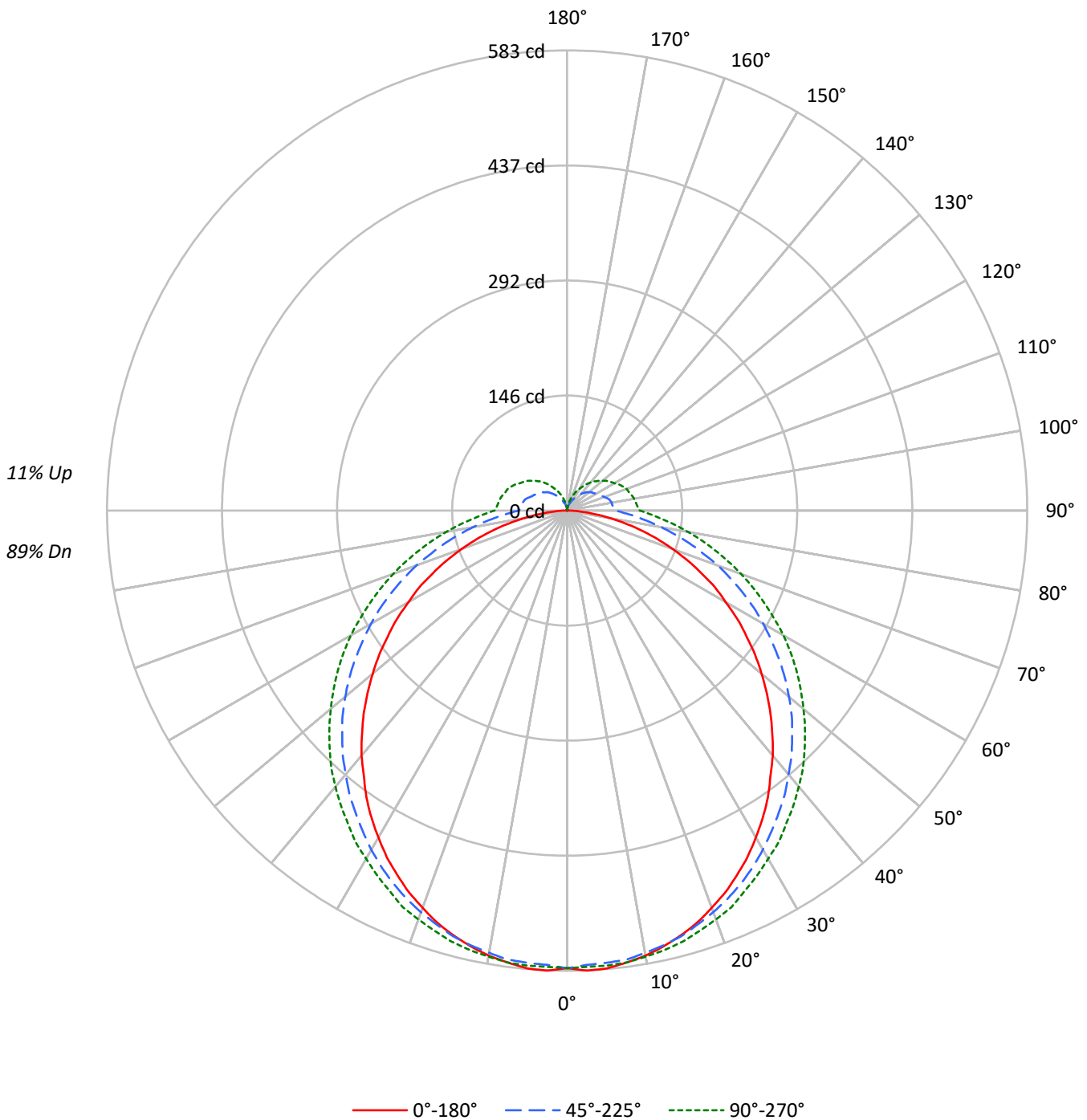
Lumens per Lamp: N/A
Luminaire Lumens: 2064.0 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 13.8
Input Voltage (V): NR
Input Current (A_{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°	6241	6241	6241
5°	6279	6080	6075
10°	6236	5957	5925
15°	6174	5832	5786
20°	6089	5686	5632
25°	5991	5545	5471
30°	5873	5390	5312
35°	5744	5229	5161
40°	5596	5070	5019
45°	5437	4909	4864
50°	5255	4737	4690
55°	5054	4532	4519
60°	4819	4313	4330
65°	4577	4067	4090
70°	4237	3795	3856
75°	3783	3450	3598
80°	3050	3099	3341
85°	2146	2800	3078



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	2.7
10°-20°	158.3	7.7
20°-30°	240.7	11.7
30°-40°	292.2	14.2
40°-50°	308.7	15.0
50°-60°	288.9	14.0
60°-70°	237.0	11.5
70°-80°	163.0	7.9
80°-90°	89.3	4.3
90°-100°	57.5	2.8
100°-110°	51.6	2.5
110°-120°	42.7	2.1
120°-130°	32.9	1.6
130°-140°	23.1	1.1
140°-150°	13.9	0.7
150°-160°	6.7	0.3
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	454.0	22.0
0°-40°	746.2	36.2
0°-60°	1343.8	65.1
0°-90°	1833.2	88.8
90°-120°	151.8	7.4
90°-150°	221.7	10.7
90°-180°	231.0	11.2
0°-180°	2064.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	580	580	580	580	580	
5°	582	581	575	580	579	55
15°	557	560	558	565	565	157
25°	509	515	521	532	532	235
35°	444	454	467	481	484	277
45°	365	381	403	421	426	281
55°	277	300	328	348	355	248
65°	188	213	245	268	275	186
75°	98	124	160	185	194	103
85°	22	51	87	111	120	25
90°	0	29	61	84	92	1
95°	0	28	59	80	88	0
105°	0	23	55	75	82	1
115°	1	20	47	67	75	1
125°	1	17	39	57	65	1
135°	1	13	32	47	53	1
145°	1	10	23	36	39	1
155°	1	6	14	23	26	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°	579.8	579.8	579.8	579.8	579.8
2.5°	583.4	582.2	576.2	581.0	578.6
5°	582.2	581.0	575.0	579.8	578.6
7.5°	577.4	577.4	573.8	578.6	577.4
10°	572.6	572.6	569.0	575.0	573.8
12.5°	565.4	566.6	564.2	571.4	570.2
15°	557.1	559.5	558.3	565.4	565.4
17.5°	547.5	549.9	549.9	558.3	558.3
20°	535.6	539.1	541.5	551.1	551.1
22.5°	523.6	528.4	532.0	540.3	543.9
25°	509.3	515.2	521.2	532.0	532.0
27.5°	494.9	502.1	509.3	520.0	521.2
30°	478.2	486.5	496.1	506.9	509.3
32.5°	461.4	472.2	481.8	494.9	498.5
35°	443.5	454.3	467.4	480.6	484.1
37.5°	423.2	436.3	453.1	467.4	471.0
40°	405.2	419.6	436.3	453.1	456.7
42.5°	384.9	400.5	420.8	436.3	442.3
45°	364.6	381.3	402.9	420.8	425.6
47.5°	343.1	362.2	386.1	402.9	408.8
50°	321.6	341.9	367.0	386.1	390.9
52.5°	300.1	321.6	347.9	367.0	373.0
55°	277.3	300.1	327.5	347.9	355.0
57.5°	255.8	278.5	307.2	328.7	335.9
60°	231.9	258.2	286.9	308.4	316.8
62.5°	211.6	235.5	266.6	288.1	295.3
65°	187.7	212.8	245.1	267.8	274.9
67.5°	165.0	191.3	223.5	247.5	254.6
70°	142.3	168.6	203.2	225.9	234.3
72.5°	119.5	147.0	180.5	205.6	214.0
75°	98.0	124.3	160.2	185.3	193.7
77.5°	75.3	104.0	139.9	165.0	174.5
80°	55.0	84.9	120.7	145.8	155.4
82.5°	37.1	66.9	102.8	127.9	137.5
85°	21.5	51.4	87.3	111.2	119.5
87.5°	10.8	39.4	72.9	96.8	105.2
90°	0.0	28.7	61.0	83.7	92.0
92.5°	0.0	27.5	59.8	81.3	89.7
95°	0.0	27.5	58.6	80.1	88.5
97.5°	0.0	26.3	57.4	80.1	87.3
100°	0.0	25.1	57.4	78.9	86.1
102.5°	0.0	23.9	56.2	77.7	84.9
105°	0.0	22.7	55.0	75.3	82.5
107.5°	1.2	22.7	52.6	74.1	81.3
110°	1.2	21.5	50.2	72.9	80.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	20.3	47.8	70.5	77.7
115°	1.2	20.3	46.6	66.9	75.3
117.5°	1.2	19.1	44.2	64.6	72.9
120°	1.2	19.1	43.0	62.2	69.3
122.5°	1.2	17.9	40.6	59.8	66.9
125°	1.2	16.7	39.4	57.4	64.6
127.5°	1.2	15.5	38.3	55.0	62.2
130°	1.2	14.3	35.9	52.6	58.6
132.5°	1.2	14.3	34.7	49.0	56.2
135°	1.2	13.1	32.3	46.6	52.6
137.5°	1.2	12.0	29.9	44.2	50.2
140°	1.2	10.8	27.5	41.8	46.6
142.5°	1.2	10.8	25.1	38.3	43.0
145°	1.2	9.6	22.7	35.9	39.4
147.5°	1.2	8.4	20.3	32.3	35.9
150°	1.2	8.4	17.9	28.7	32.3
152.5°	1.2	7.2	15.5	26.3	29.9
155°	1.2	6.0	14.3	22.7	26.3
157.5°	1.2	6.0	12.0	19.1	22.7
160°	1.2	4.8	10.8	15.5	19.1
162.5°	1.2	4.8	9.6	13.1	16.7
165°	1.2	3.6	7.2	10.8	13.1
167.5°	1.2	3.6	6.0	8.4	10.8
170°	1.2	2.4	4.8	6.0	8.4
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)