

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: P566315

Luminaire Tested: **4SNX-33SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566315  
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-33SL-SLW-UNV-L935-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

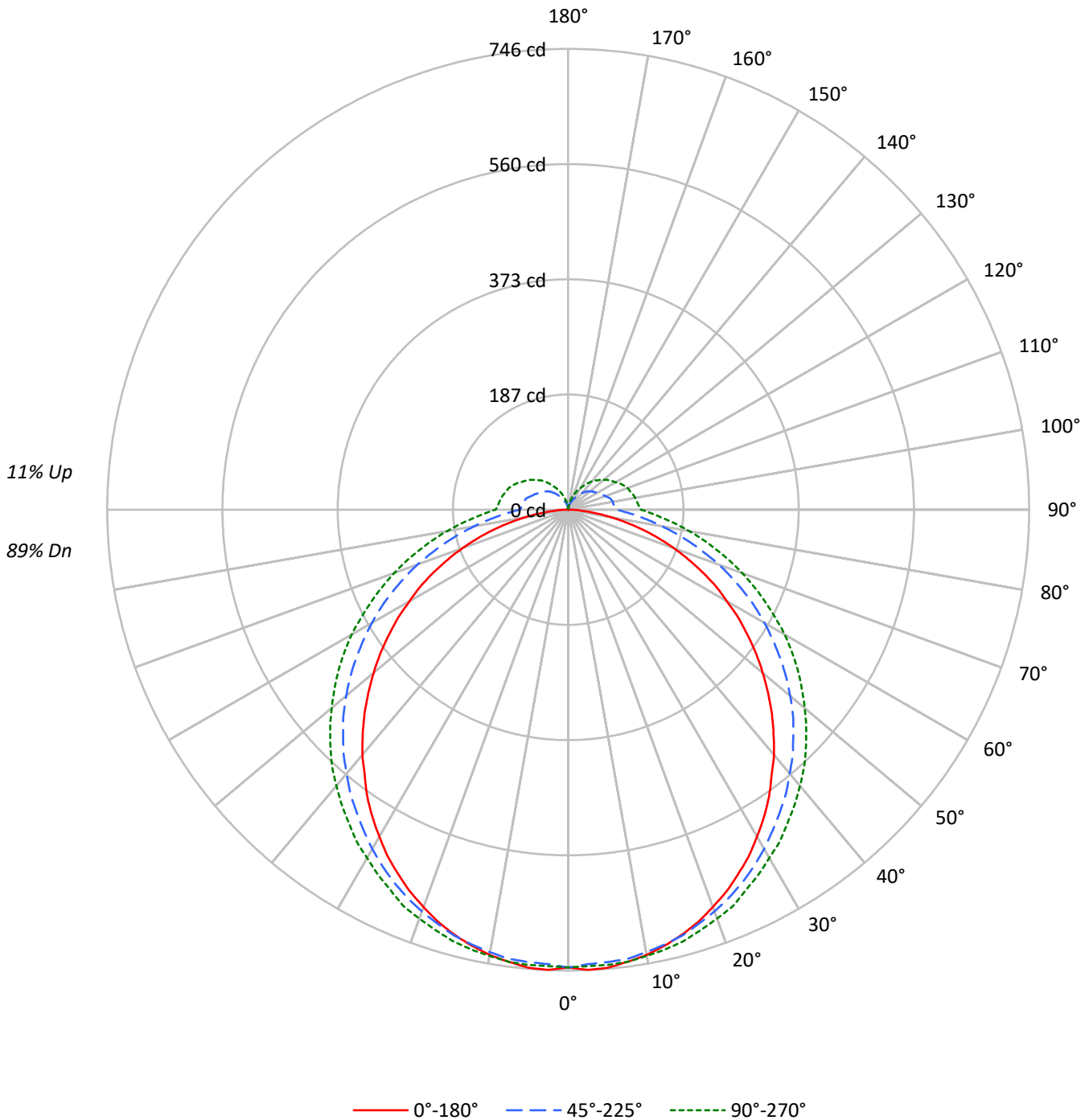
Lumens per Lamp: N/A  
Luminaire Lumens: 2638.0 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 21.1  
Input Voltage (V): NR  
Input Current (Ain): 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°	7976	7976	7976
5°	8025	7771	7765
10°	7970	7614	7573
15°	7890	7453	7396
20°	7782	7268	7199
25°	7656	7088	6992
30°	7507	6889	6789
35°	7341	6683	6598
40°	7154	6480	6414
45°	6949	6273	6216
50°	6716	6055	5994
55°	6461	5792	5777
60°	6159	5513	5534
65°	5850	5197	5228
70°	5413	4850	4929
75°	4837	4409	4597
80°	3899	3961	4270
85°	2745	3576	3936



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.4	2.7
10°-20°	202.3	7.7
20°-30°	307.6	11.7
30°-40°	373.4	14.2
40°-50°	394.6	15.0
50°-60°	369.2	14.0
60°-70°	303.0	11.5
70°-80°	208.4	7.9
80°-90°	114.1	4.3
90°-100°	73.5	2.8
100°-110°	65.9	2.5
110°-120°	54.6	2.1
120°-130°	42.0	1.6
130°-140°	29.5	1.1
140°-150°	17.8	0.7
150°-160°	8.5	0.3
160°-170°	2.8	0.1
170°-180°	0.3	0.0
0°-30°	580.3	22.0
0°-40°	953.7	36.2
0°-60°	1717.5	65.1
0°-90°	2343.0	88.8
90°-120°	194.0	7.4
90°-150°	283.3	10.7
90°-180°	295.0	11.2
0°-180°	2638.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	744	742	735	741	740	71
15°	712	715	714	723	723	201
25°	651	658	666	680	680	300
35°	567	581	597	614	619	354
45°	466	487	515	538	544	359
55°	354	384	419	445	454	317
65°	240	272	313	342	351	238
75°	125	159	205	237	248	132
85°	28	66	112	142	153	32
90°	0	37	78	107	118	2
95°	0	35	75	102	113	0
105°	0	29	70	96	105	1
115°	2	26	60	86	96	1
125°	2	21	50	73	82	1
135°	2	17	41	60	67	1
145°	2	12	29	46	50	1
155°	2	8	18	29	34	1
165°	2	5	9	14	17	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	741.0	741.0	741.0	741.0	741.0
2.5°	745.6	744.1	736.4	742.5	739.5
5°	744.1	742.5	734.9	741.0	739.5
7.5°	738.0	738.0	733.4	739.5	738.0
10°	731.9	731.9	727.3	734.9	733.4
12.5°	722.7	724.2	721.2	730.3	728.8
15°	712.0	715.0	713.5	722.7	722.7
17.5°	699.8	702.8	702.8	713.5	713.5
20°	684.5	689.1	692.1	704.4	704.4
22.5°	669.2	675.3	679.9	690.6	695.2
25°	650.9	658.5	666.2	679.9	679.9
27.5°	632.5	641.7	650.9	664.6	666.2
30°	611.2	621.8	634.1	647.8	650.9
32.5°	589.8	603.5	615.7	632.5	637.1
35°	566.8	580.6	597.4	614.2	618.8
37.5°	540.9	557.7	579.1	597.4	602.0
40°	518.0	536.3	557.7	579.1	583.6
42.5°	492.0	511.8	537.8	557.7	565.3
45°	466.0	487.4	514.9	537.8	543.9
47.5°	438.5	462.9	493.5	514.9	522.5
50°	411.0	437.0	469.1	493.5	499.6
52.5°	383.5	411.0	444.6	469.1	476.7
55°	354.5	383.5	418.6	444.6	453.8
57.5°	327.0	356.0	392.7	420.2	429.3
60°	296.4	330.0	366.7	394.2	404.9
62.5°	270.4	301.0	340.7	368.2	377.4
65°	239.9	272.0	313.2	342.2	351.4
67.5°	210.8	244.5	285.7	316.3	325.4
70°	181.8	215.4	259.7	288.8	299.5
72.5°	152.8	187.9	230.7	262.8	273.5
75°	125.3	158.9	204.7	236.8	247.5
77.5°	96.3	132.9	178.8	210.8	223.1
80°	70.3	108.5	154.3	186.4	198.6
82.5°	47.4	85.6	131.4	163.5	175.7
85°	27.5	65.7	111.5	142.1	152.8
87.5°	13.8	50.4	93.2	123.8	134.5
90°	0.0	36.7	77.9	107.0	117.6
92.5°	0.0	35.1	76.4	103.9	114.6
95°	0.0	35.1	74.9	102.4	113.1
97.5°	0.0	33.6	73.3	102.4	111.5
100°	0.0	32.1	73.3	100.8	110.0
102.5°	0.0	30.6	71.8	99.3	108.5
105°	0.0	29.0	70.3	96.3	105.4
107.5°	1.5	29.0	67.2	94.7	103.9
110°	1.5	27.5	64.2	93.2	102.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	26.0	61.1	90.1	99.3
115°	1.5	26.0	59.6	85.6	96.3
117.5°	1.5	24.4	56.5	82.5	93.2
120°	1.5	24.4	55.0	79.4	88.6
122.5°	1.5	22.9	51.9	76.4	85.6
125°	1.5	21.4	50.4	73.3	82.5
127.5°	1.5	19.9	48.9	70.3	79.4
130°	1.5	18.3	45.8	67.2	74.9
132.5°	1.5	18.3	44.3	62.6	71.8
135°	1.5	16.8	41.3	59.6	67.2
137.5°	1.5	15.3	38.2	56.5	64.2
140°	1.5	13.8	35.1	53.5	59.6
142.5°	1.5	13.8	32.1	48.9	55.0
145°	1.5	12.2	29.0	45.8	50.4
147.5°	1.5	10.7	26.0	41.3	45.8
150°	1.5	10.7	22.9	36.7	41.3
152.5°	1.5	9.2	19.9	33.6	38.2
155°	1.5	7.6	18.3	29.0	33.6
157.5°	1.5	7.6	15.3	24.4	29.0
160°	1.5	6.1	13.8	19.9	24.4
162.5°	1.5	6.1	12.2	16.8	21.4
165°	1.5	4.6	9.2	13.8	16.8
167.5°	1.5	4.6	7.6	10.7	13.8
170°	1.5	3.1	6.1	7.6	10.7
172.5°	1.5	3.1	4.6	4.6	4.6
175°	1.5	1.5	3.1	3.1	1.5
177.5°	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)