

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: P566302

Luminaire Tested: **4SNX-33SL-LW-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566302
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-LW-UNV-L830-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

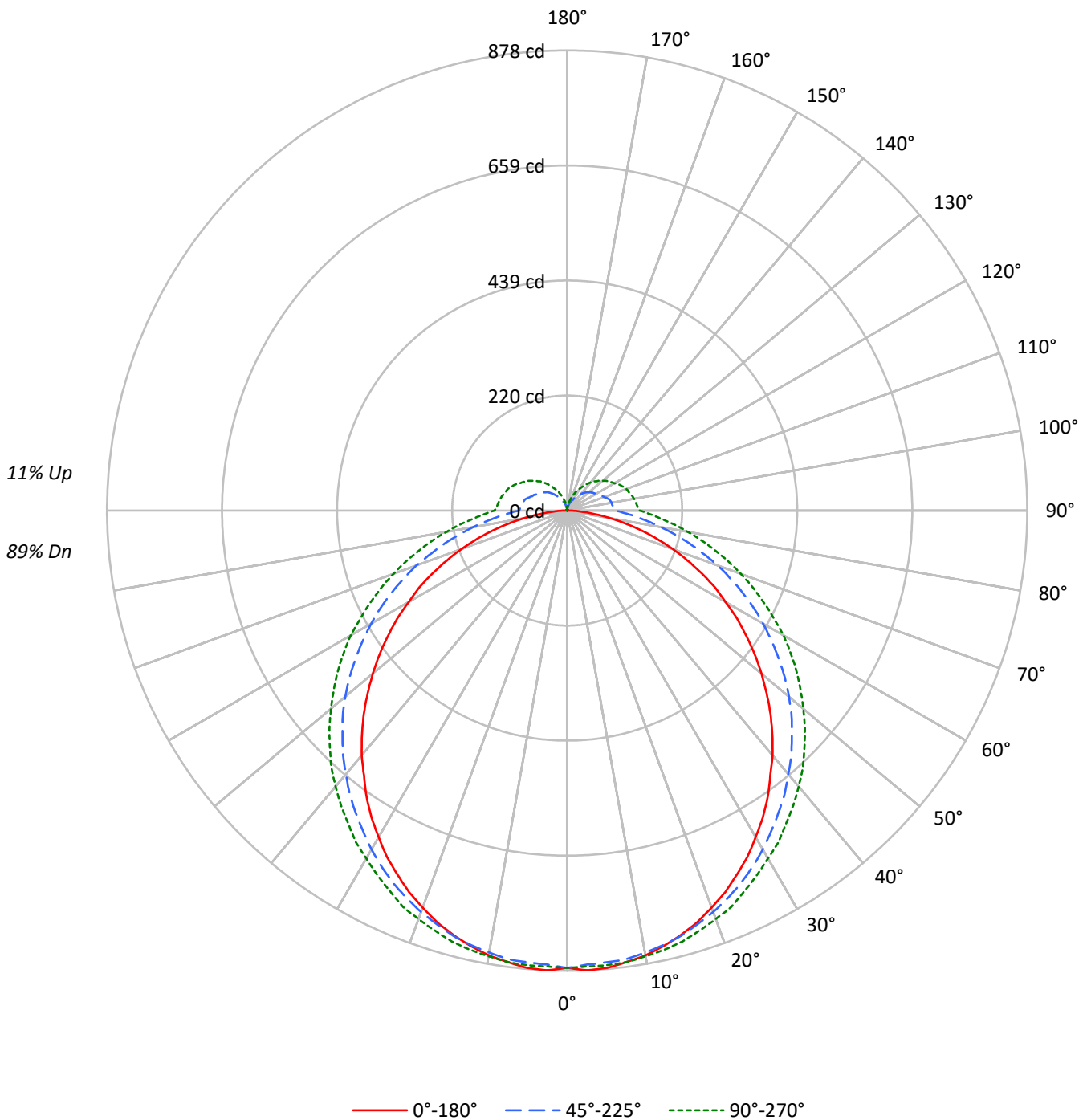
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3106.0 lumens
Efficiency: N/A
Efficacy: 147.2 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): 21.1
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°	9392	9392	9392
5°	9432	8957	8889
10°	9350	8600	8445
15°	9239	8254	8045
20°	9093	7895	7644
25°	8928	7551	7253
30°	8734	7198	6877
35°	8521	6843	6527
40°	8279	6496	6192
45°	8018	6148	5849
50°	7720	5792	5490
55°	7393	5393	5136
60°	7007	4976	4763
65°	6603	4529	4338
70°	6046	4050	3919
75°	5309	3495	3474
80°	4151	2933	3033
85°	2711	2411	2577



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	2.7
10°-20°	238.2	7.7
20°-30°	362.2	11.7
30°-40°	439.7	14.2
40°-50°	464.6	15.0
50°-60°	434.7	14.0
60°-70°	356.7	11.5
70°-80°	245.3	7.9
80°-90°	134.4	4.3
90°-100°	86.5	2.8
100°-110°	77.6	2.5
110°-120°	64.3	2.1
120°-130°	49.5	1.6
130°-140°	34.8	1.1
140°-150°	21.0	0.7
150°-160°	10.0	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	683.2	22.0
0°-40°	1122.9	36.2
0°-60°	2022.2	65.1
0°-90°	2758.7	88.8
90°-120°	228.4	7.4
90°-150°	333.6	10.7
90°-180°	347.0	11.2
0°-180°	3106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	872	872	872	872	872	
5°	876	874	865	872	871	83
15°	838	842	840	851	851	236
25°	766	775	784	800	800	353
35°	667	684	703	723	729	417
45°	549	574	606	633	640	423
55°	417	452	493	524	534	373
65°	282	320	369	403	414	280
75°	148	187	241	279	291	155
85°	32	77	131	167	180	37
90°	0	43	92	126	138	2
95°	0	41	88	120	133	0
105°	0	34	83	113	124	1
115°	2	31	70	101	113	2
125°	2	25	59	86	97	2
135°	2	20	49	70	79	1
145°	2	14	34	54	59	1
155°	2	9	22	34	40	1
165°	2	5	11	16	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	872.5	872.5	872.5	872.5	872.5
2.5°	877.9	876.1	867.1	874.3	870.7
5°	876.1	874.3	865.3	872.5	870.7
7.5°	868.9	868.9	863.5	870.7	868.9
10°	861.7	861.7	856.3	865.3	863.5
12.5°	850.9	852.7	849.1	859.9	858.1
15°	838.3	841.9	840.1	850.9	850.9
17.5°	823.9	827.5	827.5	840.1	840.1
20°	805.9	811.3	814.9	829.3	829.3
22.5°	787.9	795.1	800.5	813.1	818.5
25°	766.3	775.3	784.3	800.5	800.5
27.5°	744.8	755.6	766.3	782.5	784.3
30°	719.6	732.2	746.6	762.7	766.3
32.5°	694.4	710.6	725.0	744.8	750.2
35°	667.4	683.6	703.4	723.2	728.6
37.5°	636.8	656.6	681.8	703.4	708.8
40°	609.8	631.4	656.6	681.8	687.2
42.5°	579.3	602.6	633.2	656.6	665.6
45°	548.7	573.9	606.2	633.2	640.4
47.5°	516.3	545.1	581.1	606.2	615.2
50°	483.9	514.5	552.3	581.1	588.3
52.5°	451.5	483.9	523.5	552.3	561.3
55°	417.4	451.5	492.9	523.5	534.3
57.5°	385.0	419.2	462.3	494.7	505.5
60°	349.0	388.6	431.7	464.1	476.7
62.5°	318.4	354.4	401.2	433.5	444.3
65°	282.4	320.2	368.8	403.0	413.8
67.5°	248.3	287.8	336.4	372.4	383.2
70°	214.1	253.6	305.8	340.0	352.6
72.5°	179.9	221.3	271.6	309.4	322.0
75°	147.5	187.1	241.1	278.8	291.4
77.5°	113.3	156.5	210.5	248.3	262.6
80°	82.8	127.7	181.7	219.5	233.9
82.5°	55.8	100.7	154.7	192.5	206.9
85°	32.4	77.4	131.3	167.3	179.9
87.5°	16.2	59.4	109.7	145.7	158.3
90°	0.0	43.2	91.7	125.9	138.5
92.5°	0.0	41.4	89.9	122.3	134.9
95°	0.0	41.4	88.1	120.5	133.1
97.5°	0.0	39.6	86.3	120.5	131.3
100°	0.0	37.8	86.3	118.7	129.5
102.5°	0.0	36.0	84.5	116.9	127.7
105°	0.0	34.2	82.8	113.3	124.1
107.5°	1.8	34.2	79.2	111.5	122.3
110°	1.8	32.4	75.6	109.7	120.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.6	72.0	106.1	116.9
115°	1.8	30.6	70.2	100.7	113.3
117.5°	1.8	28.8	66.6	97.1	109.7
120°	1.8	28.8	64.8	93.5	104.3
122.5°	1.8	27.0	61.2	89.9	100.7
125°	1.8	25.2	59.4	86.3	97.1
127.5°	1.8	23.4	57.6	82.8	93.5
130°	1.8	21.6	54.0	79.2	88.1
132.5°	1.8	21.6	52.2	73.8	84.5
135°	1.8	19.8	48.6	70.2	79.2
137.5°	1.8	18.0	45.0	66.6	75.6
140°	1.8	16.2	41.4	63.0	70.2
142.5°	1.8	16.2	37.8	57.6	64.8
145°	1.8	14.4	34.2	54.0	59.4
147.5°	1.8	12.6	30.6	48.6	54.0
150°	1.8	12.6	27.0	43.2	48.6
152.5°	1.8	10.8	23.4	39.6	45.0
155°	1.8	9.0	21.6	34.2	39.6
157.5°	1.8	9.0	18.0	28.8	34.2
160°	1.8	7.2	16.2	23.4	28.8
162.5°	1.8	7.2	14.4	19.8	25.2
165°	1.8	5.4	10.8	16.2	19.8
167.5°	1.8	5.4	9.0	12.6	16.2
170°	1.8	3.6	7.2	9.0	12.6
172.5°	1.8	3.6	5.4	5.4	5.4
175°	1.8	1.8	3.6	3.6	1.8
177.5°	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)