

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: P566357

Luminaire Tested: **4SNX-37SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566357
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-37SL-LW-UNV-L950-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

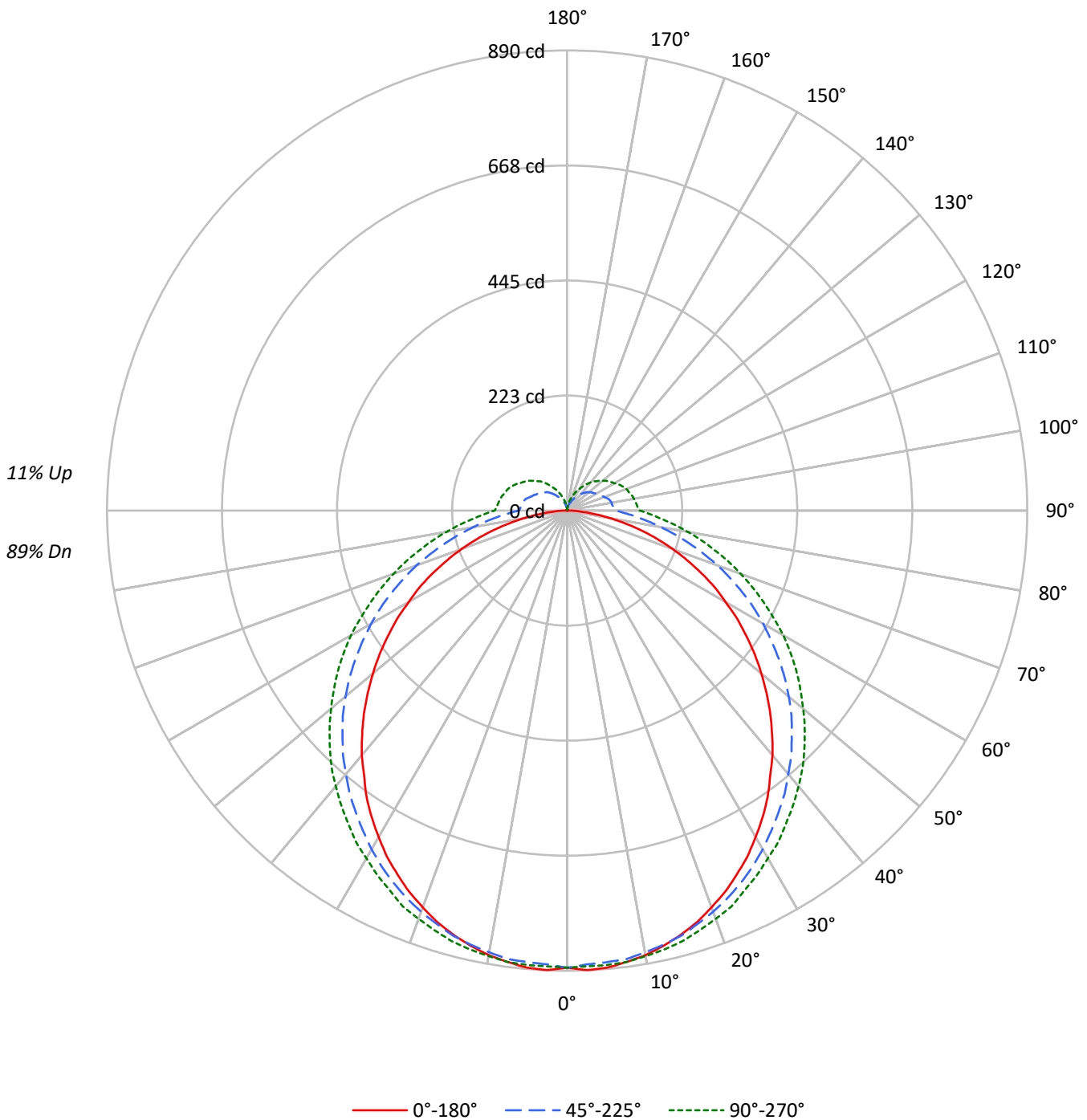
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3147.0 lumens
Efficiency: N/A
Efficacy: 131.1 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): 24
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																										
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	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°	9515	9515	9515
5°	9556	9075	9007
10°	9473	8713	8557
15°	9361	8363	8151
20°	9214	8000	7746
25°	9046	7651	7349
30°	8849	7293	6969
35°	8634	6933	6613
40°	8389	6582	6274
45°	8124	6229	5927
50°	7822	5868	5562
55°	7491	5464	5204
60°	7100	5042	4826
65°	6691	4588	4394
70°	6125	4105	3970
75°	5381	3540	3521
80°	4202	2971	3072
85°	2744	2444	2612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	2.7
10°-20°	241.3	7.7
20°-30°	367.0	11.7
30°-40°	445.5	14.2
40°-50°	470.7	15.0
50°-60°	440.5	14.0
60°-70°	361.4	11.5
70°-80°	248.6	7.9
80°-90°	136.1	4.3
90°-100°	87.7	2.8
100°-110°	78.7	2.5
110°-120°	65.1	2.1
120°-130°	50.1	1.6
130°-140°	35.2	1.1
140°-150°	21.2	0.7
150°-160°	10.2	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	692.3	22.0
0°-40°	1137.7	36.2
0°-60°	2048.9	65.1
0°-90°	2795.1	88.8
90°-120°	231.4	7.4
90°-150°	338.0	10.7
90°-180°	352.0	11.2
0°-180°	3147.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	888	886	877	884	882	84
15°	849	853	851	862	862	240
25°	776	786	795	811	811	358
35°	676	693	713	733	738	422
45°	556	581	614	642	649	428
55°	423	458	499	530	541	378
65°	286	324	374	408	419	283
75°	150	190	244	282	295	157
85°	33	78	133	170	182	38
90°	0	44	93	128	140	2
95°	0	42	89	122	135	0
105°	0	35	84	115	126	1
115°	2	31	71	102	115	2
125°	2	26	60	88	98	2
135°	2	20	49	71	80	1
145°	2	15	35	55	60	1
155°	2	9	22	35	40	1
165°	2	6	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°	884.0	884.0	884.0	884.0	884.0
2.5°	889.5	887.6	878.5	885.8	882.2
5°	887.6	885.8	876.7	884.0	882.2
7.5°	880.4	880.4	874.9	882.2	880.4
10°	873.1	873.1	867.6	876.7	874.9
12.5°	862.1	864.0	860.3	871.2	869.4
15°	849.4	853.0	851.2	862.1	862.1
17.5°	834.8	838.4	838.4	851.2	851.2
20°	816.6	822.0	825.7	840.3	840.3
22.5°	798.3	805.6	811.1	823.9	829.3
25°	776.5	785.6	794.7	811.1	811.1
27.5°	754.6	765.5	776.5	792.9	794.7
30°	729.1	741.8	756.4	772.8	776.5
32.5°	703.6	720.0	734.5	754.6	760.1
35°	676.2	692.6	712.7	732.7	738.2
37.5°	645.2	665.3	690.8	712.7	718.1
40°	617.9	639.8	665.3	690.8	696.3
42.5°	586.9	610.6	641.6	665.3	674.4
45°	555.9	581.4	614.2	641.6	648.9
47.5°	523.1	552.3	588.7	614.2	623.4
50°	490.3	521.3	559.6	588.7	596.0
52.5°	457.5	490.3	530.4	559.6	568.7
55°	422.9	457.5	499.4	530.4	541.3
57.5°	390.1	424.7	468.4	501.2	512.2
60°	353.6	393.7	437.4	470.3	483.0
62.5°	322.6	359.1	406.5	439.3	450.2
65°	286.2	324.4	373.6	408.3	419.2
67.5°	251.5	291.6	340.8	377.3	388.2
70°	216.9	257.0	309.9	344.5	357.2
72.5°	182.3	224.2	275.2	313.5	326.3
75°	149.5	189.6	244.2	282.5	295.3
77.5°	114.8	158.6	213.3	251.5	266.1
80°	83.8	129.4	184.1	222.4	236.9
82.5°	56.5	102.1	156.8	195.0	209.6
85°	32.8	78.4	133.1	169.5	182.3
87.5°	16.4	60.1	111.2	147.6	160.4
90°	0.0	43.7	93.0	127.6	140.3
92.5°	0.0	41.9	91.1	123.9	136.7
95°	0.0	41.9	89.3	122.1	134.9
97.5°	0.0	40.1	87.5	122.1	133.1
100°	0.0	38.3	87.5	120.3	131.2
102.5°	0.0	36.5	85.7	118.5	129.4
105°	0.0	34.6	83.8	114.8	125.8
107.5°	1.8	34.6	80.2	113.0	123.9
110°	1.8	32.8	76.6	111.2	122.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	31.0	72.9	107.5	118.5
115°	1.8	31.0	71.1	102.1	114.8
117.5°	1.8	29.2	67.4	98.4	111.2
120°	1.8	29.2	65.6	94.8	105.7
122.5°	1.8	27.3	62.0	91.1	102.1
125°	1.8	25.5	60.1	87.5	98.4
127.5°	1.8	23.7	58.3	83.8	94.8
130°	1.8	21.9	54.7	80.2	89.3
132.5°	1.8	21.9	52.9	74.7	85.7
135°	1.8	20.0	49.2	71.1	80.2
137.5°	1.8	18.2	45.6	67.4	76.6
140°	1.8	16.4	41.9	63.8	71.1
142.5°	1.8	16.4	38.3	58.3	65.6
145°	1.8	14.6	34.6	54.7	60.1
147.5°	1.8	12.8	31.0	49.2	54.7
150°	1.8	12.8	27.3	43.7	49.2
152.5°	1.8	10.9	23.7	40.1	45.6
155°	1.8	9.1	21.9	34.6	40.1
157.5°	1.8	9.1	18.2	29.2	34.6
160°	1.8	7.3	16.4	23.7	29.2
162.5°	1.8	7.3	14.6	20.0	25.5
165°	1.8	5.5	10.9	16.4	20.0
167.5°	1.8	5.5	9.1	12.8	16.4
170°	1.8	3.6	7.3	9.1	12.8
172.5°	1.8	3.6	5.5	5.5	5.5
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)