

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: P566355

Luminaire Tested: **4SNX-37SL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566355
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-L935-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

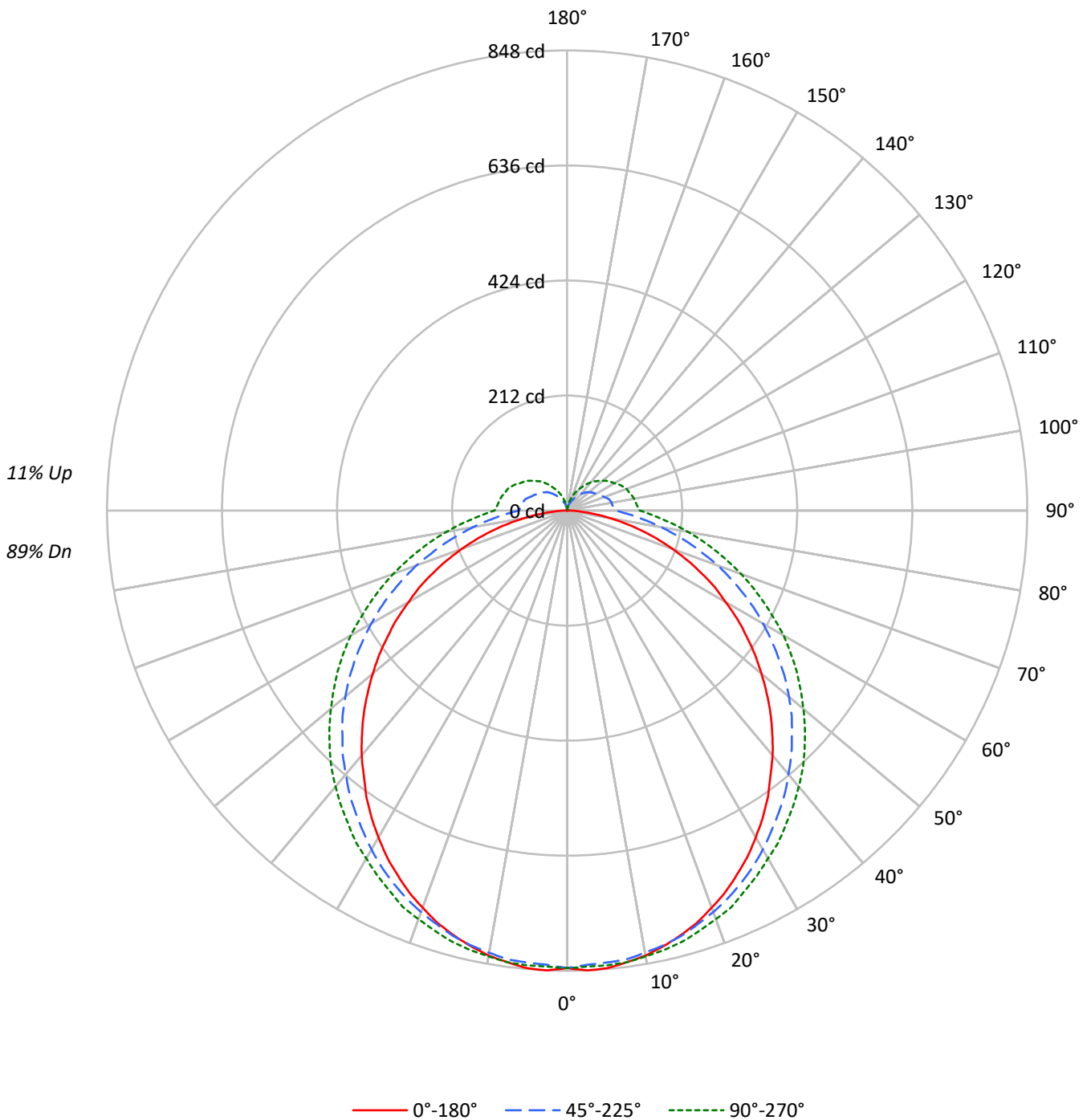
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3001.0 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: 0.17')
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				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°	9074	9074	9074
5°	9113	8654	8588
10°	9034	8309	8160
15°	8927	7975	7773
20°	8787	7629	7386
25°	8626	7296	7008
30°	8438	6954	6645
35°	8233	6611	6306
40°	7999	6276	5983
45°	7747	5940	5652
50°	7460	5595	5304
55°	7142	5210	4962
60°	6771	4808	4602
65°	6381	4375	4191
70°	5840	3914	3787
75°	5129	3376	3358
80°	4011	2834	2930
85°	2619	2330	2490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	2.7
10°-20°	230.1	7.7
20°-30°	349.9	11.7
30°-40°	424.8	14.2
40°-50°	448.9	15.0
50°-60°	420.0	14.0
60°-70°	344.6	11.5
70°-80°	237.1	7.9
80°-90°	129.8	4.3
90°-100°	83.6	2.8
100°-110°	75.0	2.5
110°-120°	62.1	2.1
120°-130°	47.8	1.6
130°-140°	33.6	1.1
140°-150°	20.2	0.7
150°-160°	9.7	0.3
160°-170°	3.2	0.1
170°-180°	0.4	0.0
0°-30°	660.1	22.0
0°-40°	1084.9	36.2
0°-60°	1953.9	65.1
0°-90°	2665.4	88.8
90°-120°	220.7	7.4
90°-150°	322.3	10.7
90°-180°	336.0	11.2
0°-180°	3001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	843	843	843	843	843	
5°	846	845	836	843	841	80
15°	810	813	812	822	822	228
25°	740	749	758	774	774	341
35°	645	660	680	699	704	403
45°	530	554	586	612	619	409
55°	403	436	476	506	516	361
65°	273	309	356	389	400	270
75°	142	181	233	269	282	150
85°	31	75	127	162	174	36
90°	0	42	89	122	134	2
95°	0	40	85	116	129	0
105°	0	33	80	110	120	1
115°	2	30	68	97	110	2
125°	2	24	57	83	94	2
135°	2	19	47	68	76	1
145°	2	14	33	52	57	1
155°	2	9	21	33	38	1
165°	2	5	10	16	19	0
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°	843.0	843.0	843.0	843.0	843.0
2.5°	848.2	846.5	837.8	844.7	841.2
5°	846.5	844.7	836.0	843.0	841.2
7.5°	839.5	839.5	834.3	841.2	839.5
10°	832.6	832.6	827.3	836.0	834.3
12.5°	822.1	823.9	820.4	830.8	829.1
15°	810.0	813.4	811.7	822.1	822.1
17.5°	796.1	799.5	799.5	811.7	811.7
20°	778.7	783.9	787.4	801.3	801.3
22.5°	761.3	768.2	773.5	785.6	790.8
25°	740.4	749.1	757.8	773.5	773.5
27.5°	719.6	730.0	740.4	756.1	757.8
30°	695.2	707.4	721.3	737.0	740.4
32.5°	670.9	686.6	700.5	719.6	724.8
35°	644.8	660.5	679.6	698.7	703.9
37.5°	615.3	634.4	658.7	679.6	684.8
40°	589.2	610.1	634.4	658.7	664.0
42.5°	559.7	582.3	611.8	634.4	643.1
45°	530.1	554.5	585.7	611.8	618.8
47.5°	498.8	526.7	561.4	585.7	594.4
50°	467.6	497.1	533.6	561.4	568.4
52.5°	436.3	467.6	505.8	533.6	542.3
55°	403.2	436.3	476.2	505.8	516.2
57.5°	372.0	405.0	446.7	478.0	488.4
60°	337.2	375.4	417.1	448.4	460.6
62.5°	307.6	342.4	387.6	418.9	429.3
65°	272.9	309.4	356.3	389.3	399.8
67.5°	239.9	278.1	325.0	359.8	370.2
70°	206.8	245.1	295.5	328.5	340.7
72.5°	173.8	213.8	262.5	299.0	311.1
75°	142.5	180.8	232.9	269.4	281.6
77.5°	109.5	151.2	203.4	239.9	253.8
80°	80.0	123.4	175.6	212.1	226.0
82.5°	53.9	97.3	149.5	186.0	199.9
85°	31.3	74.7	126.9	161.6	173.8
87.5°	15.6	57.4	106.0	140.8	153.0
90°	0.0	41.7	88.6	121.7	133.8
92.5°	0.0	40.0	86.9	118.2	130.4
95°	0.0	40.0	85.2	116.5	128.6
97.5°	0.0	38.2	83.4	116.5	126.9
100°	0.0	36.5	83.4	114.7	125.1
102.5°	0.0	34.8	81.7	113.0	123.4
105°	0.0	33.0	80.0	109.5	119.9
107.5°	1.7	33.0	76.5	107.8	118.2
110°	1.7	31.3	73.0	106.0	116.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	29.5	69.5	102.5	113.0
115°	1.7	29.5	67.8	97.3	109.5
117.5°	1.7	27.8	64.3	93.9	106.0
120°	1.7	27.8	62.6	90.4	100.8
122.5°	1.7	26.1	59.1	86.9	97.3
125°	1.7	24.3	57.4	83.4	93.9
127.5°	1.7	22.6	55.6	80.0	90.4
130°	1.7	20.9	52.1	76.5	85.2
132.5°	1.7	20.9	50.4	71.3	81.7
135°	1.7	19.1	46.9	67.8	76.5
137.5°	1.7	17.4	43.5	64.3	73.0
140°	1.7	15.6	40.0	60.8	67.8
142.5°	1.7	15.6	36.5	55.6	62.6
145°	1.7	13.9	33.0	52.1	57.4
147.5°	1.7	12.2	29.5	46.9	52.1
150°	1.7	12.2	26.1	41.7	46.9
152.5°	1.7	10.4	22.6	38.2	43.5
155°	1.7	8.7	20.9	33.0	38.2
157.5°	1.7	8.7	17.4	27.8	33.0
160°	1.7	7.0	15.6	22.6	27.8
162.5°	1.7	7.0	13.9	19.1	24.3
165°	1.7	5.2	10.4	15.6	19.1
167.5°	1.7	5.2	8.7	12.2	15.6
170°	1.7	3.5	7.0	8.7	12.2
172.5°	1.7	3.5	5.2	5.2	5.2
175°	1.7	1.7	3.5	3.5	1.7
177.5°	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)