

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: P566353

Luminaire Tested: **4SNX-37SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566353
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-L850-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

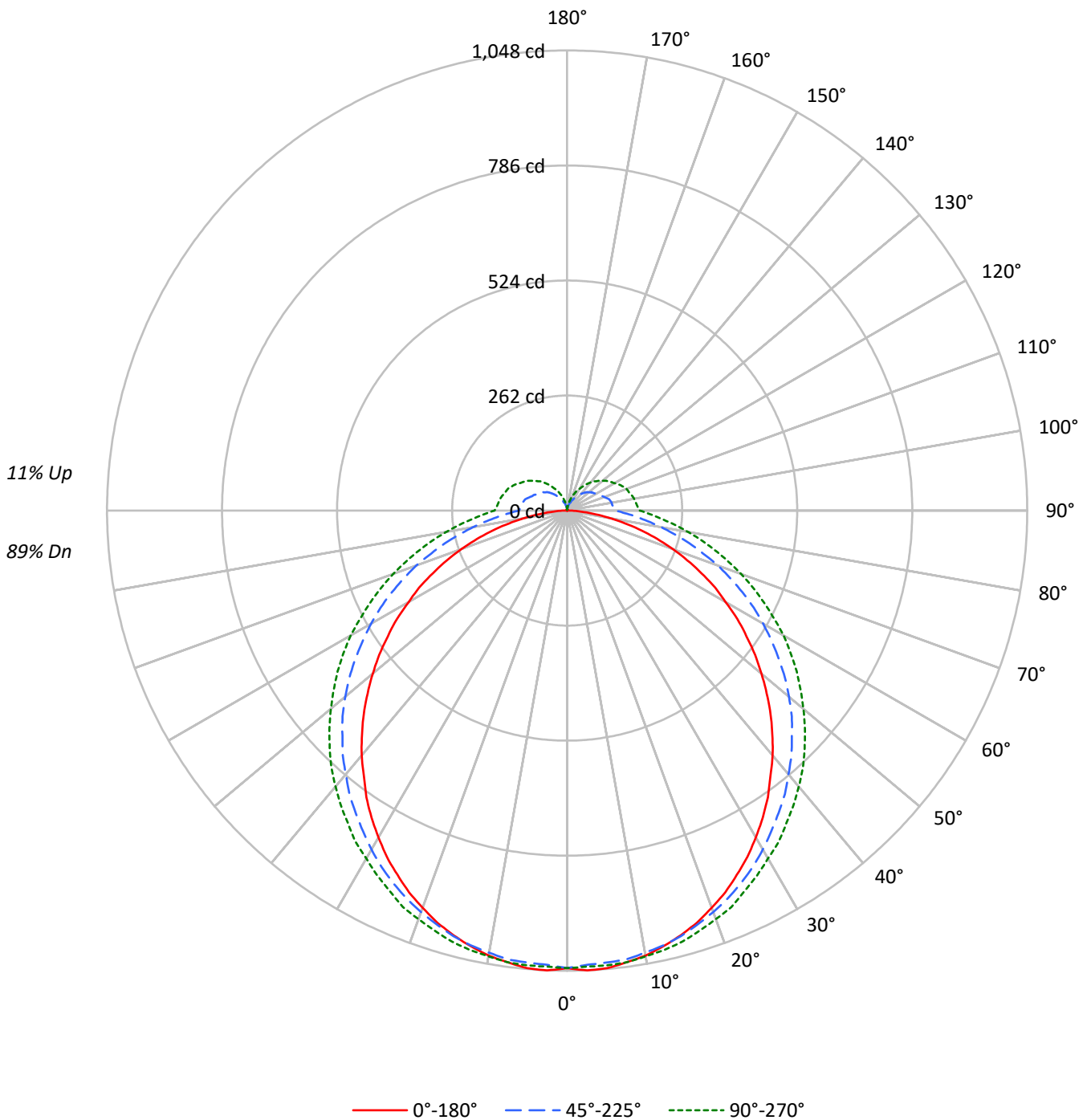
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3708.9 lumens
Efficiency: N/A
Efficacy: 154.5 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	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°	11215	11215	11215
5°	11263	10696	10615
10°	11165	10269	10084
15°	11033	9856	9607
20°	10859	9428	9129
25°	10661	9018	8661
30°	10429	8595	8213
35°	10176	8171	7794
40°	9886	7757	7394
45°	9575	7342	6985
50°	9220	6916	6555
55°	8828	6440	6133
60°	8367	5943	5688
65°	7886	5408	5179
70°	7218	4837	4679
75°	6342	4173	4149
80°	4954	3502	3621
85°	3238	2880	3077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	2.7
10°-20°	284.4	7.7
20°-30°	432.5	11.7
30°-40°	525.0	14.2
40°-50°	554.8	15.0
50°-60°	519.1	14.0
60°-70°	426.0	11.5
70°-80°	293.0	7.9
80°-90°	160.4	4.3
90°-100°	103.3	2.8
100°-110°	92.7	2.5
110°-120°	76.7	2.1
120°-130°	59.1	1.6
130°-140°	41.5	1.1
140°-150°	25.0	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	815.9	22.0
0°-40°	1340.9	36.2
0°-60°	2414.8	65.1
0°-90°	3294.2	88.8
90°-120°	272.8	7.4
90°-150°	398.4	10.7
90°-180°	415.0	11.2
0°-180°	3708.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1046	1044	1033	1042	1040	99
15°	1001	1005	1003	1016	1016	282
25°	915	926	937	956	956	422
35°	797	816	840	864	870	498
45°	655	685	724	756	765	505
55°	498	539	589	625	638	446
65°	337	382	440	481	494	334
75°	176	223	288	333	348	185
85°	39	92	157	200	215	45
90°	0	52	110	150	165	3
95°	0	49	105	144	159	0
105°	0	41	99	135	148	1
115°	2	36	84	120	135	2
125°	2	30	71	103	116	2
135°	2	24	58	84	94	2
145°	2	17	41	64	71	1
155°	2	11	26	41	47	1
165°	2	6	13	19	24	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°	1041.9	1041.9	1041.9	1041.9	1041.9
2.5°	1048.3	1046.2	1035.4	1044.0	1039.7
5°	1046.2	1044.0	1033.3	1041.9	1039.7
7.5°	1037.6	1037.6	1031.1	1039.7	1037.6
10°	1029.0	1029.0	1022.5	1033.3	1031.1
12.5°	1016.1	1018.2	1013.9	1026.8	1024.7
15°	1001.1	1005.3	1003.2	1016.1	1016.1
17.5°	983.9	988.2	988.2	1003.2	1003.2
20°	962.4	968.8	973.1	990.3	990.3
22.5°	940.9	949.5	955.9	971.0	977.4
25°	915.1	925.9	936.6	955.9	955.9
27.5°	889.3	902.2	915.1	934.5	936.6
30°	859.3	874.3	891.5	910.8	915.1
32.5°	829.2	848.5	865.7	889.3	895.8
35°	797.0	816.3	839.9	863.6	870.0
37.5°	760.5	784.1	814.2	839.9	846.4
40°	728.2	754.0	784.1	814.2	820.6
42.5°	691.7	719.6	756.2	784.1	794.8
45°	655.2	685.3	723.9	756.2	764.8
47.5°	616.5	650.9	693.9	723.9	734.7
50°	577.9	614.4	659.5	693.9	702.5
52.5°	539.2	577.9	625.1	659.5	670.2
55°	498.4	539.2	588.6	625.1	638.0
57.5°	459.7	500.5	552.1	590.7	603.6
60°	416.7	464.0	515.6	554.2	569.3
62.5°	380.2	423.2	479.0	517.7	530.6
65°	337.3	382.4	440.4	481.2	494.1
67.5°	296.4	343.7	401.7	444.7	457.6
70°	255.6	302.9	365.2	406.0	421.0
72.5°	214.8	264.2	324.4	369.5	384.5
75°	176.2	223.4	287.9	333.0	348.0
77.5°	135.3	186.9	251.3	296.4	313.6
80°	98.8	152.5	217.0	262.1	279.3
82.5°	66.6	120.3	184.7	229.9	247.0
85°	38.7	92.4	156.8	199.8	214.8
87.5°	19.3	70.9	131.0	174.0	189.0
90°	0.0	51.6	109.6	150.4	165.4
92.5°	0.0	49.4	107.4	146.1	161.1
95°	0.0	49.4	105.3	143.9	159.0
97.5°	0.0	47.3	103.1	143.9	156.8
100°	0.0	45.1	103.1	141.8	154.7
102.5°	0.0	43.0	101.0	139.6	152.5
105°	0.0	40.8	98.8	135.3	148.2
107.5°	2.1	40.8	94.5	133.2	146.1
110°	2.1	38.7	90.2	131.0	143.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.5	85.9	126.7	139.6
115°	2.1	36.5	83.8	120.3	135.3
117.5°	2.1	34.4	79.5	116.0	131.0
120°	2.1	34.4	77.3	111.7	124.6
122.5°	2.1	32.2	73.0	107.4	120.3
125°	2.1	30.1	70.9	103.1	116.0
127.5°	2.1	27.9	68.7	98.8	111.7
130°	2.1	25.8	64.4	94.5	105.3
132.5°	2.1	25.8	62.3	88.1	101.0
135°	2.1	23.6	58.0	83.8	94.5
137.5°	2.1	21.5	53.7	79.5	90.2
140°	2.1	19.3	49.4	75.2	83.8
142.5°	2.1	19.3	45.1	68.7	77.3
145°	2.1	17.2	40.8	64.4	70.9
147.5°	2.1	15.0	36.5	58.0	64.4
150°	2.1	15.0	32.2	51.6	58.0
152.5°	2.1	12.9	27.9	47.3	53.7
155°	2.1	10.7	25.8	40.8	47.3
157.5°	2.1	10.7	21.5	34.4	40.8
160°	2.1	8.6	19.3	27.9	34.4
162.5°	2.1	8.6	17.2	23.6	30.1
165°	2.1	6.4	12.9	19.3	23.6
167.5°	2.1	6.4	10.7	15.0	19.3
170°	2.1	4.3	8.6	10.7	15.0
172.5°	2.1	4.3	6.4	6.4	6.4
175°	2.1	2.1	4.3	4.3	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)