

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: P566354

Luminaire Tested: **4SNX-37SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566354
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-L930-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

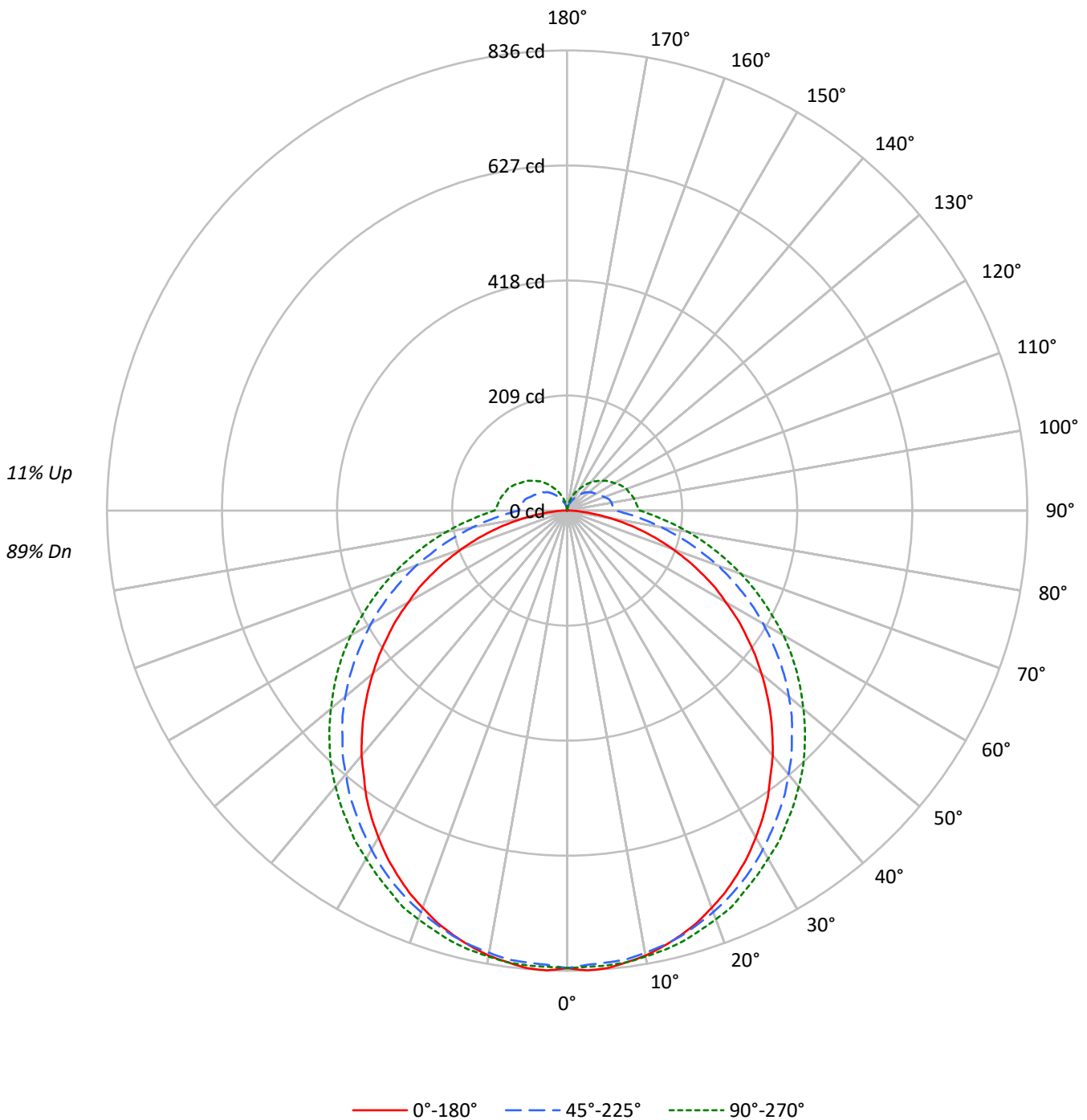
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2959.0 lumens
Efficiency: N/A
Efficacy: 123.3 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	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°	8947	8947	8947
5°	8985	8533	8469
10°	8907	8193	8045
15°	8801	7863	7664
20°	8664	7521	7283
25°	8506	7194	6909
30°	8320	6857	6552
35°	8118	6519	6218
40°	7888	6188	5899
45°	7639	5857	5572
50°	7355	5517	5229
55°	7042	5138	4893
60°	6676	4741	4538
65°	6292	4314	4132
70°	5758	3858	3733
75°	5057	3328	3310
80°	3951	2794	2889
85°	2577	2297	2456



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	2.7
10°-20°	226.9	7.7
20°-30°	345.0	11.7
30°-40°	418.8	14.2
40°-50°	442.6	15.0
50°-60°	414.2	14.0
60°-70°	339.8	11.5
70°-80°	233.7	7.9
80°-90°	128.0	4.3
90°-100°	82.4	2.8
100°-110°	74.0	2.5
110°-120°	61.2	2.1
120°-130°	47.1	1.6
130°-140°	33.1	1.1
140°-150°	20.0	0.7
150°-160°	9.6	0.3
160°-170°	3.1	0.1
170°-180°	0.4	0.0
0°-30°	650.9	22.0
0°-40°	1069.7	36.2
0°-60°	1926.5	65.1
0°-90°	2628.1	88.8
90°-120°	217.6	7.4
90°-150°	317.8	10.7
90°-180°	331.0	11.2
0°-180°	2959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	831	831	831	831	831	
5°	835	833	824	831	830	79
15°	799	802	800	811	811	225
25°	730	739	747	763	763	336
35°	636	651	670	689	694	397
45°	523	547	578	603	610	403
55°	398	430	470	499	509	356
65°	269	305	351	384	394	266
75°	140	178	230	266	278	148
85°	31	74	125	159	171	36
90°	0	41	87	120	132	2
95°	0	39	84	115	127	0
105°	0	33	79	108	118	1
115°	2	29	67	96	108	2
125°	2	24	57	82	92	2
135°	2	19	46	67	75	1
145°	2	14	33	51	57	1
155°	2	9	21	33	38	1
165°	2	5	10	15	19	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°	831.2	831.2	831.2	831.2	831.2
2.5°	836.3	834.6	826.0	832.9	829.5
5°	834.6	832.9	824.3	831.2	829.5
7.5°	827.8	827.8	822.6	829.5	827.8
10°	820.9	820.9	815.8	824.3	822.6
12.5°	810.6	812.3	808.9	819.2	817.5
15°	798.6	802.1	800.3	810.6	810.6
17.5°	784.9	788.3	788.3	800.3	800.3
20°	767.8	772.9	776.3	790.1	790.1
22.5°	750.6	757.5	762.6	774.6	779.8
25°	730.1	738.6	747.2	762.6	762.6
27.5°	709.5	719.8	730.1	745.5	747.2
30°	685.5	697.5	711.2	726.6	730.1
32.5°	661.5	676.9	690.7	709.5	714.7
35°	635.8	651.2	670.1	688.9	694.1
37.5°	606.7	625.5	649.5	670.1	675.2
40°	581.0	601.5	625.5	649.5	654.7
42.5°	551.8	574.1	603.3	625.5	634.1
45°	522.7	546.7	577.5	603.3	610.1
47.5°	491.9	519.3	553.6	577.5	586.1
50°	461.0	490.1	526.1	553.6	560.4
52.5°	430.2	461.0	498.7	526.1	534.7
55°	397.6	430.2	469.6	498.7	509.0
57.5°	366.8	399.3	440.4	471.3	481.6
60°	332.5	370.2	411.3	442.2	454.2
62.5°	303.3	337.6	382.2	413.0	423.3
65°	269.1	305.1	351.3	383.9	394.2
67.5°	236.5	274.2	320.5	354.8	365.0
70°	203.9	241.6	291.3	323.9	335.9
72.5°	171.4	210.8	258.8	294.8	306.8
75°	140.5	178.2	229.6	265.6	277.6
77.5°	108.0	149.1	200.5	236.5	250.2
80°	78.8	121.7	173.1	209.1	222.8
82.5°	53.1	96.0	147.4	183.4	197.1
85°	30.8	73.7	125.1	159.4	171.4
87.5°	15.4	56.6	104.5	138.8	150.8
90°	0.0	41.1	87.4	120.0	132.0
92.5°	0.0	39.4	85.7	116.5	128.5
95°	0.0	39.4	84.0	114.8	126.8
97.5°	0.0	37.7	82.3	114.8	125.1
100°	0.0	36.0	82.3	113.1	123.4
102.5°	0.0	34.3	80.5	111.4	121.7
105°	0.0	32.6	78.8	108.0	118.3
107.5°	1.7	32.6	75.4	106.3	116.5
110°	1.7	30.8	72.0	104.5	114.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	29.1	68.6	101.1	111.4
115°	1.7	29.1	66.8	96.0	108.0
117.5°	1.7	27.4	63.4	92.5	104.5
120°	1.7	27.4	61.7	89.1	99.4
122.5°	1.7	25.7	58.3	85.7	96.0
125°	1.7	24.0	56.6	82.3	92.5
127.5°	1.7	22.3	54.8	78.8	89.1
130°	1.7	20.6	51.4	75.4	84.0
132.5°	1.7	20.6	49.7	70.3	80.5
135°	1.7	18.9	46.3	66.8	75.4
137.5°	1.7	17.1	42.8	63.4	72.0
140°	1.7	15.4	39.4	60.0	66.8
142.5°	1.7	15.4	36.0	54.8	61.7
145°	1.7	13.7	32.6	51.4	56.6
147.5°	1.7	12.0	29.1	46.3	51.4
150°	1.7	12.0	25.7	41.1	46.3
152.5°	1.7	10.3	22.3	37.7	42.8
155°	1.7	8.6	20.6	32.6	37.7
157.5°	1.7	8.6	17.1	27.4	32.6
160°	1.7	6.9	15.4	22.3	27.4
162.5°	1.7	6.9	13.7	18.9	24.0
165°	1.7	5.1	10.3	15.4	18.9
167.5°	1.7	5.1	8.6	12.0	15.4
170°	1.7	3.4	6.9	8.6	12.0
172.5°	1.7	3.4	5.1	5.1	5.1
175°	1.7	1.7	3.4	3.4	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)