

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: P566341

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-37SL-LC-UNV-L950-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

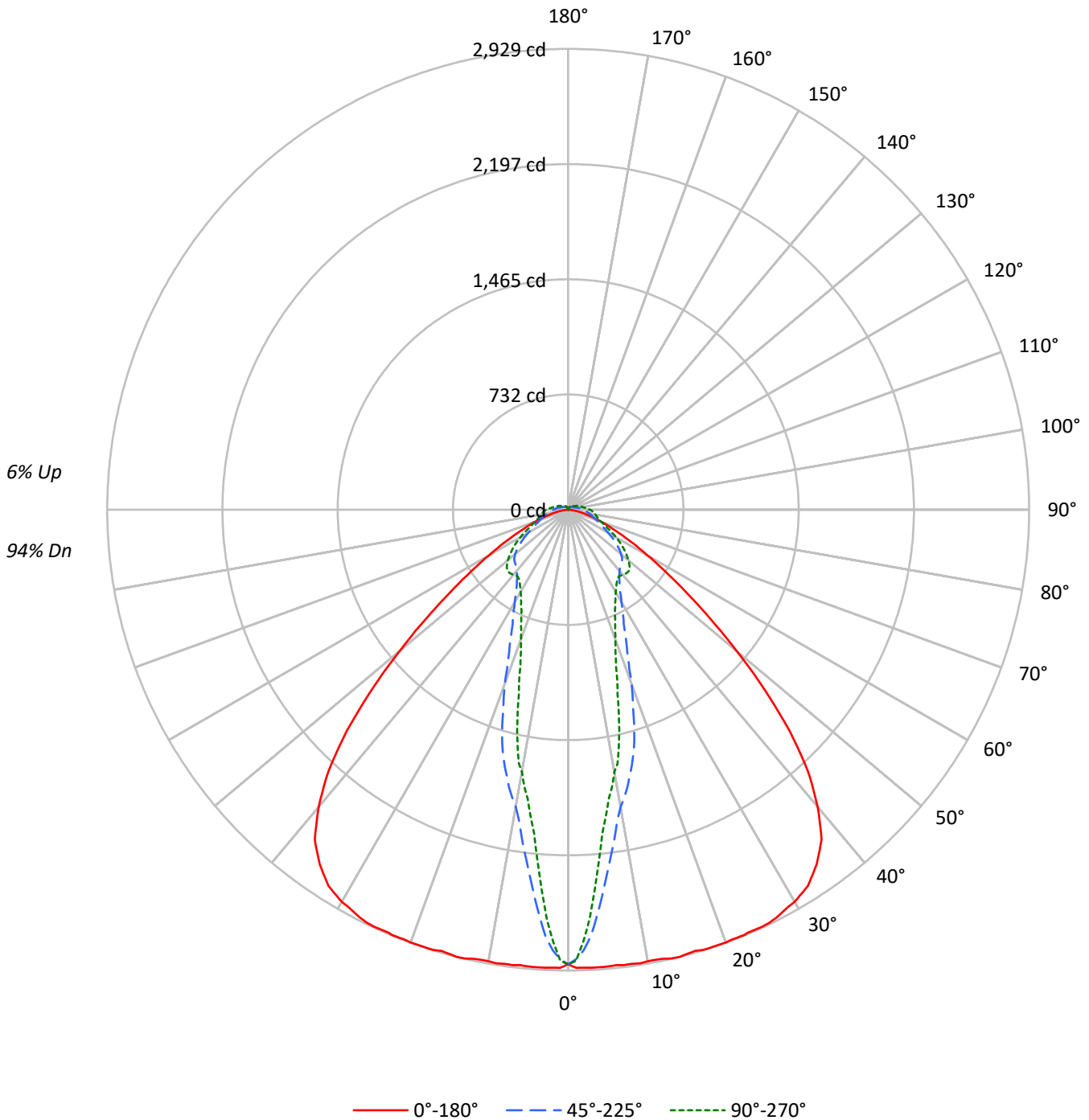
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3560.9 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24
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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31096	31096	31096
5°	31376	25540	22861
10°	31622	19281	16545
15°	32199	15760	11457
20°	33029	11404	8092
25°	34060	8170	6366
30°	34929	6527	5422
35°	35137	5522	4855
40°	33498	5019	4868
45°	29069	4849	5001
50°	22301	4612	4666
55°	16162	4033	4140
60°	11726	3366	3501
65°	8534	2846	2869
70°	6286	2514	2474
75°	4467	2328	2306
80°	2928	2179	2272
85°	1372	2077	2275



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.2	6.4
10°-20°	493.3	13.9
20°-30°	564.7	15.9
30°-40°	565.7	15.9
40°-50°	535.5	15.0
50°-60°	410.7	11.5
60°-70°	264.7	7.4
70°-80°	168.8	4.7
80°-90°	112.1	3.1
90°-100°	75.4	2.1
100°-110°	49.7	1.4
110°-120°	34.5	1.0
120°-130°	24.1	0.7
130°-140°	16.7	0.5
140°-150°	10.2	0.3
150°-160°	5.2	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1285.2	36.1
0°-40°	1851.0	52.0
0°-60°	2797.2	78.6
0°-90°	3342.8	93.9
90°-120°	159.5	4.5
90°-150°	210.6	5.9
90°-180°	218.0	6.1
0°-180°	3560.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2889	2889	2889	2889	2889	
5°	2914	2754	2467	2301	2239	278
15°	2922	2104	1604	1318	1212	829
25°	2924	1489	849	737	703	1348
35°	2752	828	568	549	542	1707
45°	1989	524	478	529	548	1512
55°	912	374	369	414	431	839
65°	365	235	232	265	274	375
75°	124	128	161	184	193	136
85°	16	58	113	148	159	23
90°	0	40	95	131	137	1
95°	0	29	78	108	113	0
105°	0	22	51	73	78	1
115°	2	18	38	53	57	2
125°	2	16	33	38	40	2
135°	2	13	26	31	33	1
145°	2	9	18	24	26	1
155°	2	6	11	16	18	1
165°	4	4	7	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 4SNX-37SL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2888.9	2888.9	2888.9	2888.9	2888.9
1°	2912.6	2896.2	2857.8	2868.8	2867.0
2°	2912.6	2877.9	2803.1	2781.2	2748.3
3°	2914.4	2846.9	2719.1	2648.0	2602.3
4°	2914.4	2801.3	2595.0	2476.4	2418.0
5°	2914.4	2753.8	2467.3	2301.2	2239.2
6°	2910.8	2697.2	2337.7	2162.5	2069.5
7°	2916.2	2635.2	2220.9	2033.0	1960.0
8°	2914.4	2562.2	2113.3	1934.4	1854.1
9°	2919.9	2491.0	1996.5	1841.3	1781.1
10°	2914.4	2425.3	1919.8	1753.8	1691.7
11°	2914.4	2361.5	1865.1	1697.2	1644.3
12°	2918.1	2288.5	1804.9	1616.9	1543.9
13°	2927.2	2213.6	1735.5	1529.3	1443.5
14°	2929.0	2157.1	1671.6	1418.0	1328.5
15°	2921.7	2104.1	1604.1	1317.6	1211.8
16°	2918.1	2049.4	1523.8	1222.7	1127.8
17°	2925.4	1985.5	1432.6	1126.0	1038.4
18°	2927.2	1927.1	1335.8	1053.0	976.3
19°	2927.2	1881.5	1257.4	985.5	919.8
20°	2927.2	1837.7	1177.1	934.4	877.8
21°	2923.5	1783.0	1085.8	881.4	834.0
22.5°	2925.4	1680.8	981.8	819.4	781.1
23°	2919.9	1655.2	956.3	803.0	762.8
24°	2921.7	1582.2	901.5	770.1	731.8
25°	2923.5	1489.1	848.6	737.3	702.6
26°	2919.9	1414.3	804.8	706.2	682.5
27°	2910.8	1354.1	773.8	680.7	658.8
28°	2898.0	1273.8	740.9	658.8	638.7
29°	2885.2	1182.6	708.1	635.1	620.5
30°	2877.9	1109.6	677.0	616.8	604.1
32.5°	2834.1	965.4	613.2	580.3	569.4
35°	2752.0	828.5	567.6	549.3	542.0
37.5°	2644.3	722.7	532.9	529.2	531.1
40°	2467.3	638.7	507.3	523.8	540.2
42.5°	2255.6	573.0	489.1	529.2	547.5
45°	1989.2	523.8	478.1	529.2	547.5
47.5°	1693.5	483.6	465.4	511.0	529.2
50°	1397.9	447.1	439.8	483.6	500.0
52.5°	1136.9	412.4	407.0	448.9	465.4
55°	912.5	374.1	368.6	414.3	430.7
57.5°	731.8	337.6	332.1	374.1	390.5
60°	584.0	301.1	292.0	334.0	350.4
62.5°	465.4	266.4	261.0	297.5	312.1
65°	365.0	235.4	231.8	264.6	273.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	288.3	206.2	208.0	235.4	246.4
70°	222.6	178.8	189.8	215.3	222.6
72.5°	167.9	151.5	175.2	197.1	206.2
75°	124.1	127.7	160.6	184.3	193.4
77.5°	85.8	105.8	147.8	173.4	182.5
80°	58.4	85.8	135.0	164.2	175.2
82.5°	34.7	71.2	124.1	155.1	167.9
85°	16.4	58.4	113.1	147.8	158.8
87.5°	5.5	47.4	102.2	140.5	149.6
90°	0.0	40.1	94.9	131.4	136.9
92.5°	0.0	34.7	85.8	120.4	124.1
95°	0.0	29.2	78.5	107.7	113.1
97.5°	0.0	27.4	73.0	96.7	104.0
100°	0.0	25.5	65.7	87.6	94.9
102.5°	0.0	21.9	58.4	78.5	85.8
105°	0.0	21.9	51.1	73.0	78.5
107.5°	1.8	20.1	47.4	65.7	73.0
110°	1.8	20.1	42.0	62.0	67.5
112.5°	1.8	20.1	40.1	56.6	63.9
115°	1.8	18.2	38.3	52.9	56.6
117.5°	1.8	18.2	36.5	47.4	51.1
120°	1.8	16.4	34.7	43.8	45.6
122.5°	1.8	16.4	32.8	40.1	42.0
125°	1.8	16.4	32.8	38.3	40.1
127.5°	1.8	14.6	31.0	36.5	36.5
130°	1.8	14.6	29.2	34.7	34.7
132.5°	1.8	12.8	27.4	32.8	34.7
135°	1.8	12.8	25.5	31.0	32.8
137.5°	1.8	10.9	23.7	29.2	31.0
140°	1.8	10.9	21.9	27.4	29.2
142.5°	1.8	9.1	20.1	25.5	27.4
145°	1.8	9.1	18.2	23.7	25.5
147.5°	1.8	9.1	16.4	21.9	23.7
150°	1.8	7.3	14.6	20.1	21.9
152.5°	1.8	7.3	12.8	18.2	20.1
155°	1.8	5.5	10.9	16.4	18.2
157.5°	1.8	5.5	10.9	14.6	16.4
160°	3.6	5.5	9.1	12.8	14.6
162.5°	1.8	3.6	9.1	10.9	12.8
165°	3.6	3.6	7.3	9.1	10.9
167.5°	3.6	3.6	5.5	7.3	9.1
170°	3.6	3.6	5.5	5.5	7.3
172.5°	3.6	3.6	3.6	5.5	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	3.6	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)