

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: P566370

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-37SL-UNV-L930-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

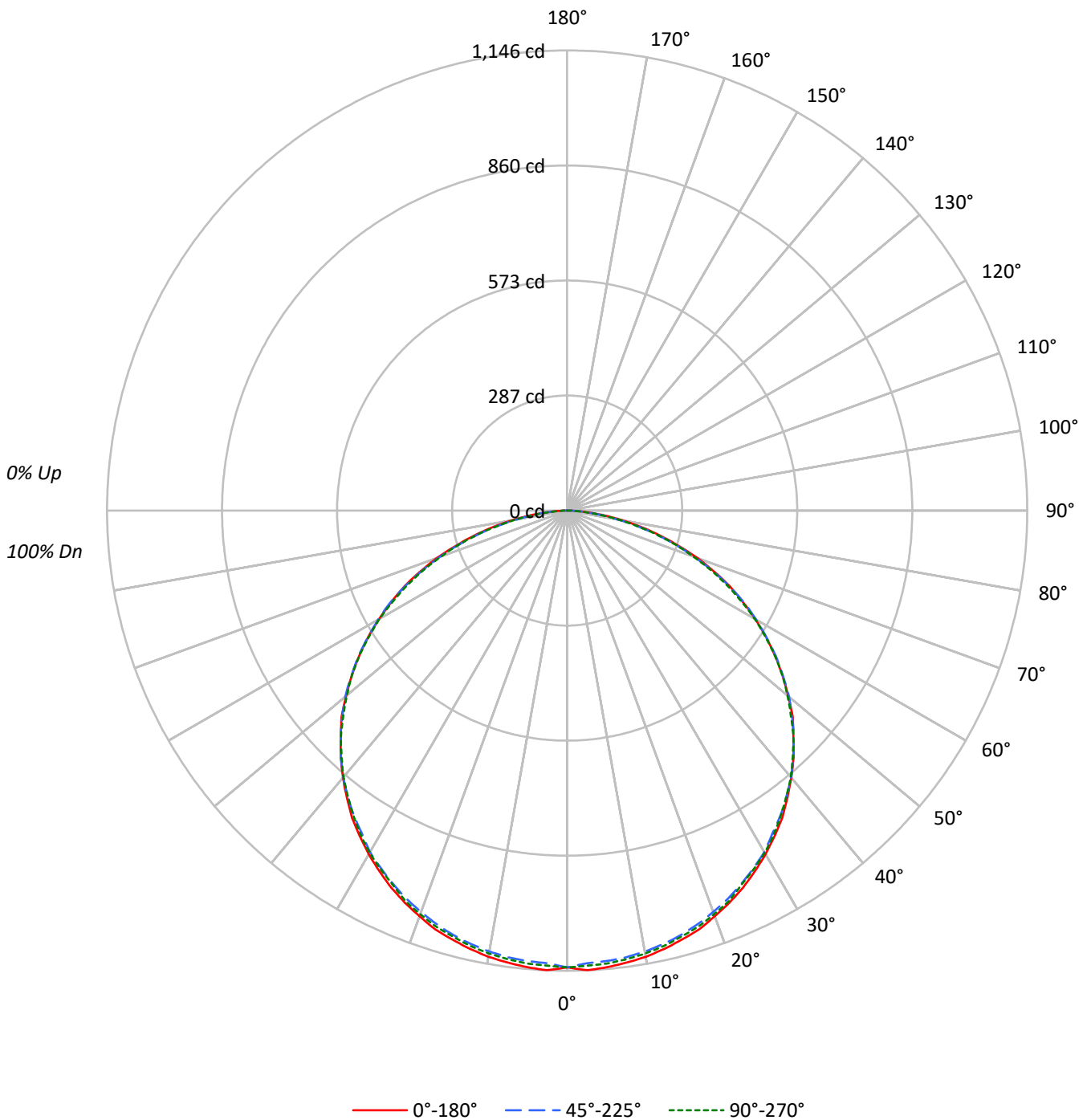
Lumens per Lamp: N/A  
Luminaire Lumens: 3401.0 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12244	12244	12244
5°	12335	12169	12235
10°	12332	12187	12243
15°	12323	12197	12242
20°	12315	12186	12257
25°	12307	12185	12209
30°	12281	12205	12230
35°	12272	12177	12192
40°	12202	12188	12174
45°	12129	12146	12129
50°	12042	12075	11990
55°	11883	11920	11864
60°	11649	11694	11627
65°	11410	11334	11176
70°	10848	10625	10496
75°	9911	9574	9615
80°	8560	7928	8114
85°	6447	6187	5558



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.9	3.2
10°-20°	310.9	9.1
20°-30°	475.7	14.0
30°-40°	581.7	17.1
40°-50°	615.3	18.1
50°-60°	566.9	16.7
60°-70°	436.9	12.8
70°-80°	244.8	7.2
80°-90°	60.8	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	894.6	26.3
0°-40°	1476.3	43.4
0°-60°	2658.5	78.2
0°-90°	3401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3401.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1142	1138	1126	1138	1132	109
15°	1106	1104	1094	1104	1099	312
25°	1036	1034	1026	1034	1028	478
35°	934	932	927	930	928	584
45°	797	800	798	797	797	616
55°	633	638	635	635	632	565
65°	448	448	445	434	439	441
75°	238	235	230	222	231	253
85°	52	49	50	50	45	64
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1137.5	1137.5	1137.5	1137.5	1137.5
2.5°	1145.6	1140.5	1128.3	1139.5	1134.4
5°	1141.6	1137.5	1126.2	1137.5	1132.3
7.5°	1135.4	1132.3	1122.1	1132.3	1127.2
10°	1128.3	1125.2	1115.0	1125.2	1120.1
12.5°	1118.0	1116.0	1105.8	1116.0	1110.9
15°	1105.8	1103.7	1094.5	1103.7	1098.6
17.5°	1093.5	1089.4	1080.2	1090.4	1086.3
20°	1075.1	1073.0	1063.8	1073.0	1070.0
22.5°	1056.7	1054.6	1046.4	1054.6	1052.6
25°	1036.2	1034.1	1026.0	1034.1	1028.0
27.5°	1012.7	1013.7	1004.5	1009.6	1006.5
30°	988.1	988.1	982.0	984.0	984.0
32.5°	961.5	961.5	952.3	958.5	957.4
35°	933.9	931.9	926.7	929.8	927.8
37.5°	901.2	900.1	897.1	899.1	897.1
40°	868.4	869.5	867.4	866.4	866.4
42.5°	834.7	836.7	833.7	832.6	831.6
45°	796.8	799.9	797.9	796.8	796.8
47.5°	762.1	763.1	760.0	759.0	755.9
50°	719.1	723.2	721.1	719.1	716.0
52.5°	676.1	682.3	678.2	676.1	676.1
55°	633.2	638.3	635.2	635.2	632.2
57.5°	588.2	593.3	589.2	589.2	585.1
60°	541.1	546.2	543.2	540.1	540.1
62.5°	494.1	498.2	497.1	492.0	488.9
65°	448.0	448.0	445.0	433.7	438.8
67.5°	395.9	394.8	390.7	379.5	386.7
70°	344.7	344.7	337.6	324.3	333.5
72.5°	289.5	292.5	283.3	274.1	283.3
75°	238.3	235.3	230.2	222.0	231.2
77.5°	189.2	184.1	178.0	173.9	179.0
80°	138.1	135.0	127.9	127.9	130.9
82.5°	94.1	91.0	85.9	86.9	82.9
85°	52.2	49.1	50.1	50.1	45.0
87.5°	21.5	21.5	21.5	19.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)