

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: P566418

Luminaire Tested: **4SNX-41SL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566418  
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-41SL-UNV-L930-CD  
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

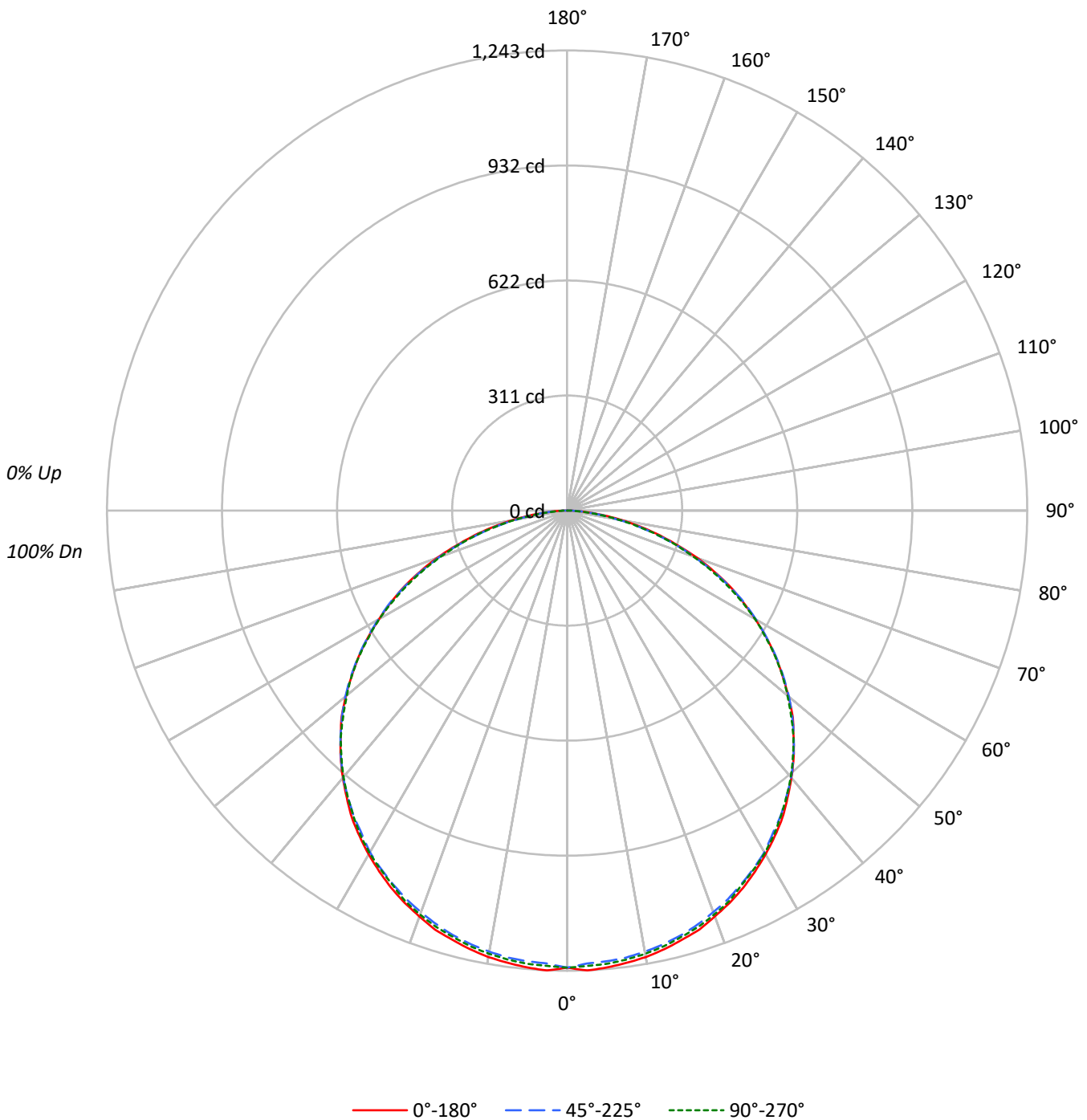
Lumens per Lamp: N/A  
Luminaire Lumens: 3691.0 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.3  
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°	13288	13288	13288
5°	13386	13206	13278
10°	13384	13225	13286
15°	13372	13236	13287
20°	13364	13224	13301
25°	13356	13223	13251
30°	13329	13246	13273
35°	13318	13217	13231
40°	13243	13228	13212
45°	13164	13181	13164
50°	13068	13105	13013
55°	12896	12937	12876
60°	12643	12691	12617
65°	12383	12299	12129
70°	11774	11528	11390
75°	10759	10389	10435
80°	9292	8604	8808
85°	6990	6719	6027



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.1	3.2
10°-20°	337.4	9.1
20°-30°	516.3	14.0
30°-40°	631.3	17.1
40°-50°	667.8	18.1
50°-60°	615.3	16.7
60°-70°	474.1	12.8
70°-80°	265.7	7.2
80°-90°	66.0	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°	970.8	26.3
0°-40°	1602.1	43.4
0°-60°	2885.2	78.2
0°-90°	3691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1239	1234	1222	1234	1229	118
15°	1200	1198	1188	1198	1192	339
25°	1125	1122	1113	1122	1116	518
35°	1014	1011	1006	1009	1007	633
45°	865	868	866	865	865	668
55°	687	693	689	689	686	614
65°	486	486	483	471	476	478
75°	259	255	250	241	251	274
85°	57	53	54	54	49	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1234.5	1234.5	1234.5	1234.5	1234.5
2.5°	1243.3	1237.8	1224.5	1236.7	1231.1
5°	1238.9	1234.5	1222.2	1234.5	1228.9
7.5°	1232.2	1228.9	1217.8	1228.9	1223.4
10°	1224.5	1221.1	1210.0	1221.1	1215.6
12.5°	1213.4	1211.1	1200.0	1211.1	1205.6
15°	1200.0	1197.8	1187.8	1197.8	1192.3
17.5°	1186.7	1182.3	1172.3	1183.4	1178.9
20°	1166.7	1164.5	1154.5	1164.5	1161.2
22.5°	1146.8	1144.5	1135.7	1144.5	1142.3
25°	1124.6	1122.3	1113.4	1122.3	1115.7
27.5°	1099.0	1100.1	1090.1	1095.7	1092.4
30°	1072.4	1072.4	1065.7	1067.9	1067.9
32.5°	1043.5	1043.5	1033.5	1040.2	1039.1
35°	1013.5	1011.3	1005.8	1009.1	1006.9
37.5°	978.0	976.9	973.6	975.8	973.6
40°	942.5	943.6	941.4	940.3	940.3
42.5°	905.9	908.1	904.7	903.6	902.5
45°	864.8	868.1	865.9	864.8	864.8
47.5°	827.0	828.1	824.8	823.7	820.4
50°	780.4	784.9	782.6	780.4	777.1
52.5°	733.8	740.4	736.0	733.8	733.8
55°	687.2	692.7	689.4	689.4	686.1
57.5°	638.3	643.9	639.4	639.4	635.0
60°	587.3	592.8	589.5	586.1	586.1
62.5°	536.2	540.6	539.5	534.0	530.6
65°	486.2	486.2	482.9	470.7	476.2
67.5°	429.6	428.5	424.1	411.9	419.6
70°	374.1	374.1	366.3	351.9	361.9
72.5°	314.2	317.5	307.5	297.5	307.5
75°	258.7	255.3	249.8	240.9	250.9
77.5°	205.4	199.8	193.2	188.7	194.3
80°	149.9	146.5	138.8	138.8	142.1
82.5°	102.1	98.8	93.2	94.4	89.9
85°	56.6	53.3	54.4	54.4	48.8
87.5°	23.3	23.3	23.3	21.1	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)