

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: P566366

Luminaire Tested: **4SNX-37SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566366  
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-L830-CD  
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

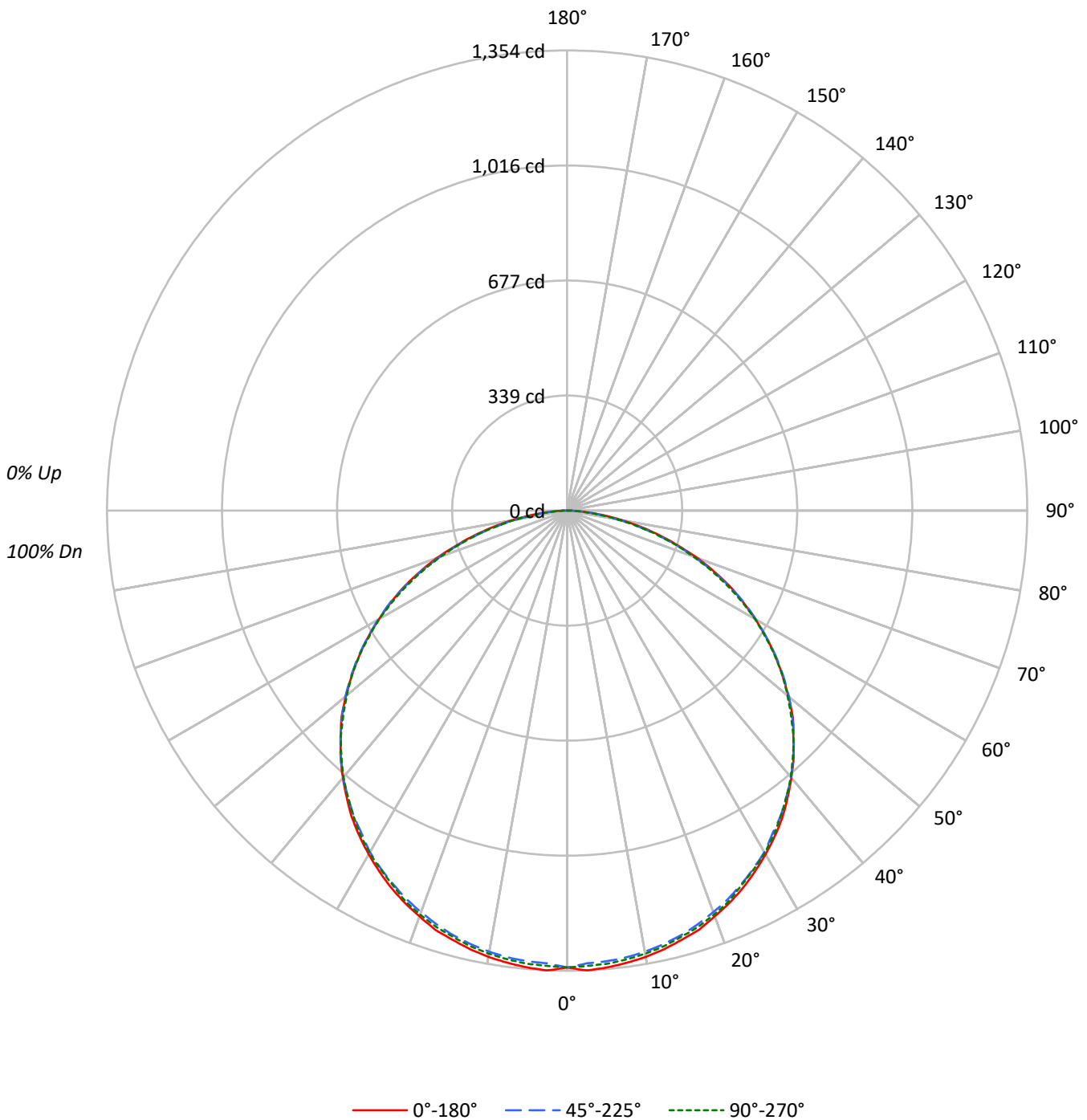
Lumens per Lamp: N/A  
Luminaire Lumens: 4020.0 lumens  
Efficiency: N/A  
Efficacy: 167.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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

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

	0°	45°	90°
0°	14472	14472	14472
5°	14579	14384	14461
10°	14576	14405	14470
15°	14565	14417	14470
20°	14556	14403	14487
25°	14547	14403	14431
30°	14517	14426	14456
35°	14506	14394	14410
40°	14424	14407	14390
45°	14338	14356	14338
50°	14234	14274	14172
55°	14045	14090	14022
60°	13769	13821	13743
65°	13489	13394	13211
70°	12825	12557	12406
75°	11716	11312	11362
80°	10116	9366	9596
85°	7620	7311	6570



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.5	3.2
10°-20°	367.5	9.1
20°-30°	562.3	14.0
30°-40°	687.6	17.1
40°-50°	727.3	18.1
50°-60°	670.1	16.7
60°-70°	516.4	12.8
70°-80°	289.3	7.2
80°-90°	71.9	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°	1057.4	26.3
0°-40°	1745.0	43.4
0°-60°	3142.4	78.2
0°-90°	4020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4020.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1344	1344	1344	1344	1344	
5°	1349	1344	1331	1344	1338	128
15°	1307	1305	1294	1305	1298	369
25°	1225	1222	1213	1222	1215	564
35°	1104	1102	1095	1099	1097	690
45°	942	946	943	942	942	728
55°	748	754	751	751	747	668
65°	530	530	526	513	519	521
75°	282	278	272	262	273	299
85°	62	58	59	59	53	76
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1344.5	1344.5	1344.5	1344.5	1344.5
2.5°	1354.2	1348.1	1333.6	1346.9	1340.9
5°	1349.3	1344.5	1331.2	1344.5	1338.4
7.5°	1342.1	1338.4	1326.3	1338.4	1332.4
10°	1333.6	1330.0	1317.9	1330.0	1323.9
12.5°	1321.5	1319.1	1307.0	1319.1	1313.1
15°	1307.0	1304.6	1293.7	1304.6	1298.5
17.5°	1292.5	1287.7	1276.8	1288.9	1284.0
20°	1270.7	1268.3	1257.4	1268.3	1264.7
22.5°	1249.0	1246.6	1236.9	1246.6	1244.1
25°	1224.8	1222.4	1212.7	1222.4	1215.1
27.5°	1197.0	1198.2	1187.3	1193.4	1189.7
30°	1168.0	1168.0	1160.7	1163.1	1163.1
32.5°	1136.5	1136.5	1125.6	1132.9	1131.7
35°	1103.9	1101.5	1095.4	1099.0	1096.6
37.5°	1065.2	1064.0	1060.4	1062.8	1060.4
40°	1026.5	1027.7	1025.3	1024.1	1024.1
42.5°	986.6	989.0	985.4	984.2	983.0
45°	941.9	945.5	943.1	941.9	941.9
47.5°	900.8	902.0	898.3	897.1	893.5
50°	850.0	854.8	852.4	850.0	846.3
52.5°	799.2	806.4	801.6	799.2	799.2
55°	748.4	754.5	750.8	750.8	747.2
57.5°	695.2	701.3	696.4	696.4	691.6
60°	639.6	645.6	642.0	638.4	638.4
62.5°	584.0	588.8	587.6	581.6	577.9
65°	529.6	529.6	525.9	512.6	518.7
67.5°	467.9	466.7	461.9	448.6	457.0
70°	407.5	407.5	399.0	383.3	394.2
72.5°	342.2	345.8	334.9	324.0	334.9
75°	281.7	278.1	272.0	262.4	273.2
77.5°	223.7	217.6	210.4	205.5	211.6
80°	163.2	159.6	151.1	151.1	154.8
82.5°	111.2	107.6	101.6	102.8	97.9
85°	61.7	58.0	59.2	59.2	53.2
87.5°	25.4	25.4	25.4	23.0	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)