

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: P566270

Luminaire Tested: **4SNX-31SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566270  
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-31SL-UNV-L830-CD  
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

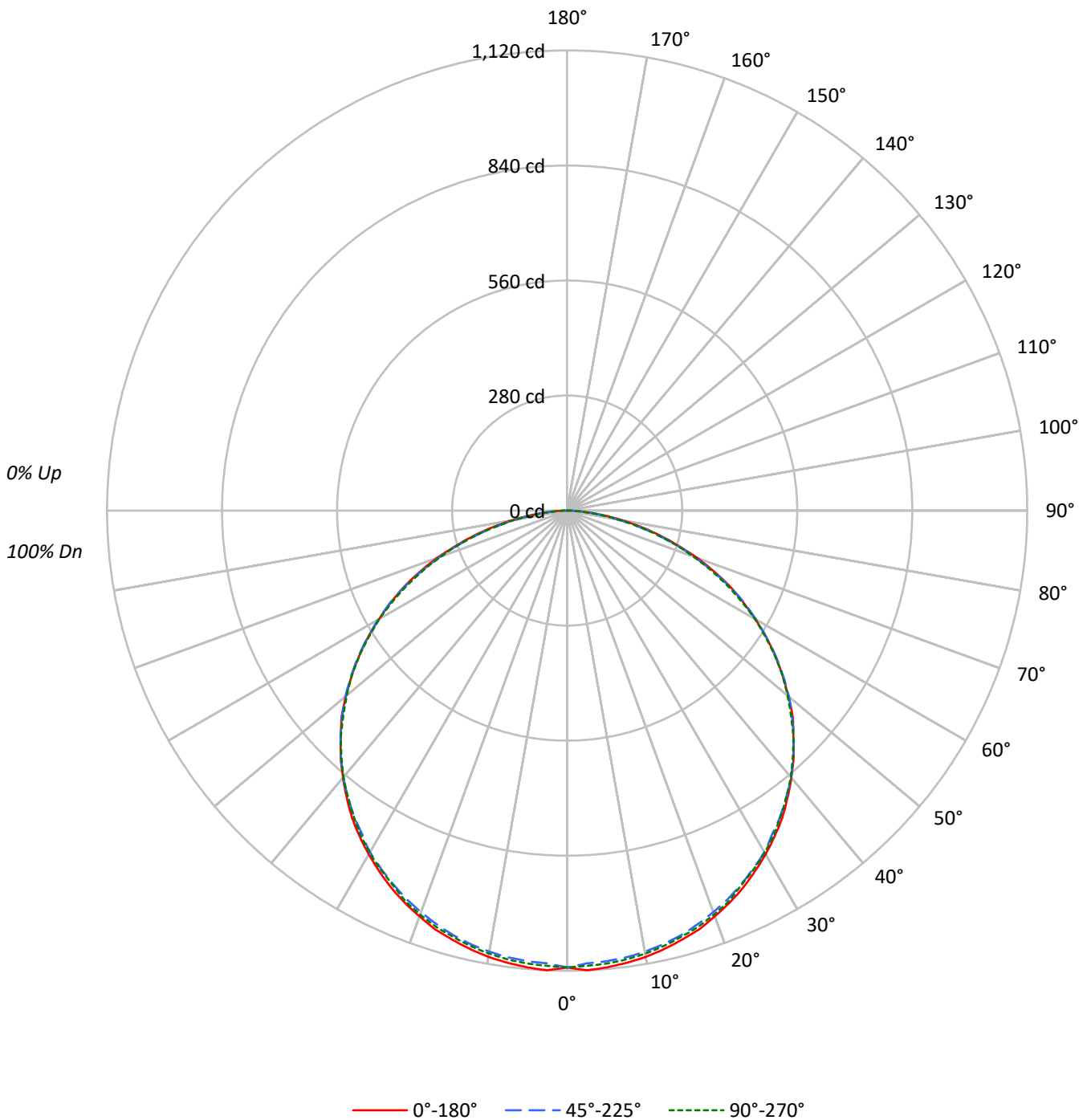
Lumens per Lamp: N/A  
Luminaire Lumens: 3324.9 lumens  
Efficiency: N/A  
Efficacy: 170.5 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	11969	11969	11969
5°	12058	11896	11961
10°	12056	11914	11968
15°	12046	11924	11968
20°	12039	11913	11982
25°	12031	11912	11936
30°	12007	11932	11957
35°	11997	11905	11918
40°	11930	11915	11901
45°	11858	11874	11858
50°	11772	11806	11722
55°	11616	11654	11598
60°	11388	11431	11367
65°	11156	11079	10926
70°	10606	10386	10260
75°	9690	9357	9399
80°	8368	7748	7934
85°	6299	6052	5434



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	3.2
10°-20°	304.0	9.1
20°-30°	465.1	14.0
30°-40°	568.7	17.1
40°-50°	601.5	18.1
50°-60°	554.2	16.7
60°-70°	427.1	12.8
70°-80°	239.3	7.2
80°-90°	59.5	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°	874.5	26.3
0°-40°	1443.2	43.4
0°-60°	2599.0	78.2
0°-90°	3324.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3324.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1116	1112	1101	1112	1107	106
15°	1081	1079	1070	1079	1074	305
25°	1013	1011	1003	1011	1005	467
35°	913	911	906	909	907	570
45°	779	782	780	779	779	602
55°	619	624	621	621	618	553
65°	438	438	435	424	429	431
75°	233	230	225	217	226	247
85°	51	48	49	49	44	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1112	1112	1112	1112	1112
2.5°	1120	1115	1103	1114	1109
5°	1116	1112	1101	1112	1107
7.5°	1110	1107	1097	1107	1102
10°	1103	1100	1090	1100	1095
12.5°	1093	1091	1081	1091	1086
15°	1081	1079	1070	1079	1074
17.5°	1069	1065	1056	1066	1062
20°	1051	1049	1040	1049	1046
22.5°	1033	1031	1023	1031	1029
25°	1013	1011	1003	1011	1005
27.5°	990	991	982	987	984
30°	966	966	960	962	962
32.5°	940	940	931	937	936
35°	913	911	906	909	907
37.5°	881	880	877	879	877
40°	849	850	848	847	847
42.5°	816	818	815	814	813
45°	779	782	780	779	779
47.5°	745	746	743	742	739
50°	703	707	705	703	700
52.5°	661	667	663	661	661
55°	619	624	621	621	618
57.5°	575	580	576	576	572
60°	529	534	531	528	528
62.5°	483	487	486	481	478
65°	438	438	435	424	429
67.5°	387	386	382	371	378
70°	337	337	330	317	326
72.5°	283	286	277	268	277
75°	233	230	225	217	226
77.5°	185	180	174	170	175
80°	135	132	125	125	128
82.5°	92	89	84	85	81
85°	51	48	49	49	44
87.5°	21	21	21	19	17
90°	0	0	0	0	0

(END OF REPORT)