

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: P566276

Luminaire Tested: **4SNX-31SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566276
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-L940-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

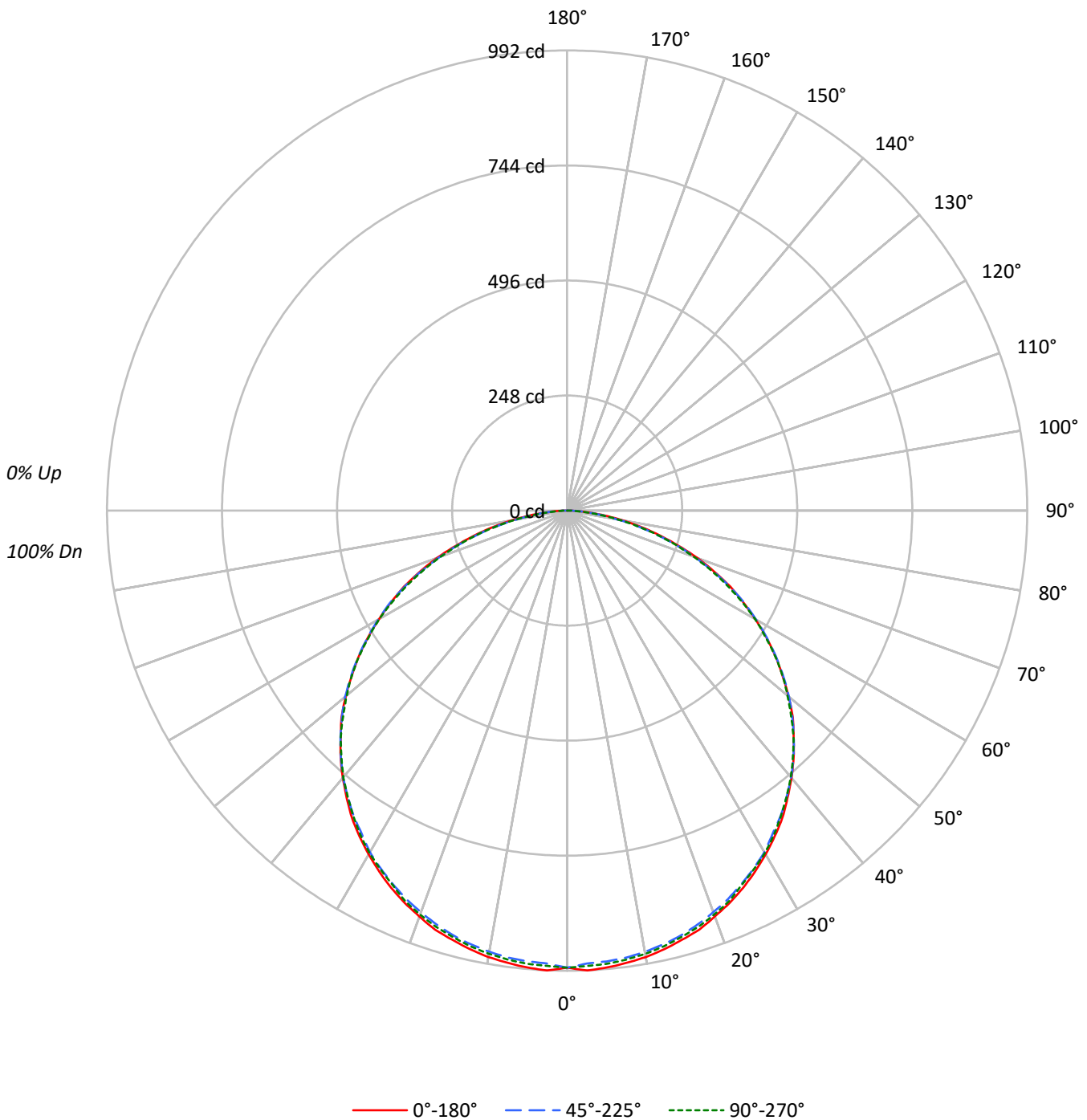
Lumens per Lamp: N/A
Luminaire Lumens: 2946.0 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 19.5
Input Voltage (V): NR
Input Current (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°	10606	10606	10606
5°	10684	10540	10599
10°	10682	10556	10604
15°	10673	10565	10604
20°	10667	10556	10616
25°	10660	10555	10576
30°	10638	10572	10595
35°	10631	10549	10560
40°	10571	10558	10545
45°	10507	10520	10507
50°	10431	10461	10386
55°	10293	10325	10276
60°	10090	10129	10071
65°	9885	9816	9681
70°	9397	9202	9092
75°	8584	8293	8326
80°	7414	6868	7029
85°	5582	5360	4817



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	3.2
10°-20°	269.3	9.1
20°-30°	412.1	14.0
30°-40°	503.9	17.1
40°-50°	533.0	18.1
50°-60°	491.1	16.7
60°-70°	378.4	12.8
70°-80°	212.0	7.2
80°-90°	52.7	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°	774.9	26.3
0°-40°	1278.8	43.4
0°-60°	2302.8	78.2
0°-90°	2946.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2946.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	985	985	985	985	985	
5°	989	985	976	985	981	94
15°	958	956	948	956	952	271
25°	898	896	889	896	890	414
35°	809	807	803	805	804	505
45°	690	693	691	690	690	533
55°	548	553	550	550	548	490
65°	388	388	385	376	380	382
75°	206	204	199	192	200	219
85°	45	42	43	43	39	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	985.3	985.3	985.3	985.3	985.3
2.5°	992.4	987.9	977.3	987.1	982.6
5°	988.8	985.3	975.5	985.3	980.9
7.5°	983.5	980.9	972.0	980.9	976.4
10°	977.3	974.7	965.8	974.7	970.2
12.5°	968.5	966.7	957.8	966.7	962.3
15°	957.8	956.0	948.1	956.0	951.6
17.5°	947.2	943.6	935.7	944.5	941.0
20°	931.2	929.5	921.5	929.5	926.8
22.5°	915.3	913.5	906.4	913.5	911.7
25°	897.6	895.8	888.7	895.8	890.5
27.5°	877.2	878.1	870.1	874.5	871.9
30°	855.9	855.9	850.6	852.4	852.4
32.5°	832.9	832.9	824.9	830.2	829.3
35°	809.0	807.2	802.8	805.4	803.6
37.5°	780.6	779.7	777.1	778.8	777.1
40°	752.3	753.1	751.4	750.5	750.5
42.5°	723.0	724.8	722.1	721.2	720.4
45°	690.2	692.9	691.1	690.2	690.2
47.5°	660.1	661.0	658.3	657.4	654.8
50°	622.9	626.4	624.7	622.9	620.2
52.5°	585.7	591.0	587.5	585.7	585.7
55°	548.5	552.9	550.2	550.2	547.6
57.5°	509.5	513.9	510.4	510.4	506.8
60°	468.7	473.2	470.5	467.8	467.8
62.5°	428.0	431.5	430.6	426.2	423.5
65°	388.1	388.1	385.4	375.7	380.1
67.5°	342.9	342.0	338.5	328.7	334.9
70°	298.6	298.6	292.4	280.9	288.9
72.5°	250.8	253.4	245.4	237.5	245.4
75°	206.4	203.8	199.4	192.3	200.2
77.5°	163.9	159.5	154.2	150.6	155.1
80°	119.6	117.0	110.8	110.8	113.4
82.5°	81.5	78.9	74.4	75.3	71.8
85°	45.2	42.5	43.4	43.4	39.0
87.5°	18.6	18.6	18.6	16.8	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)