

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: P566277

Luminaire Tested: **4SNX-31SL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566277
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-L950-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

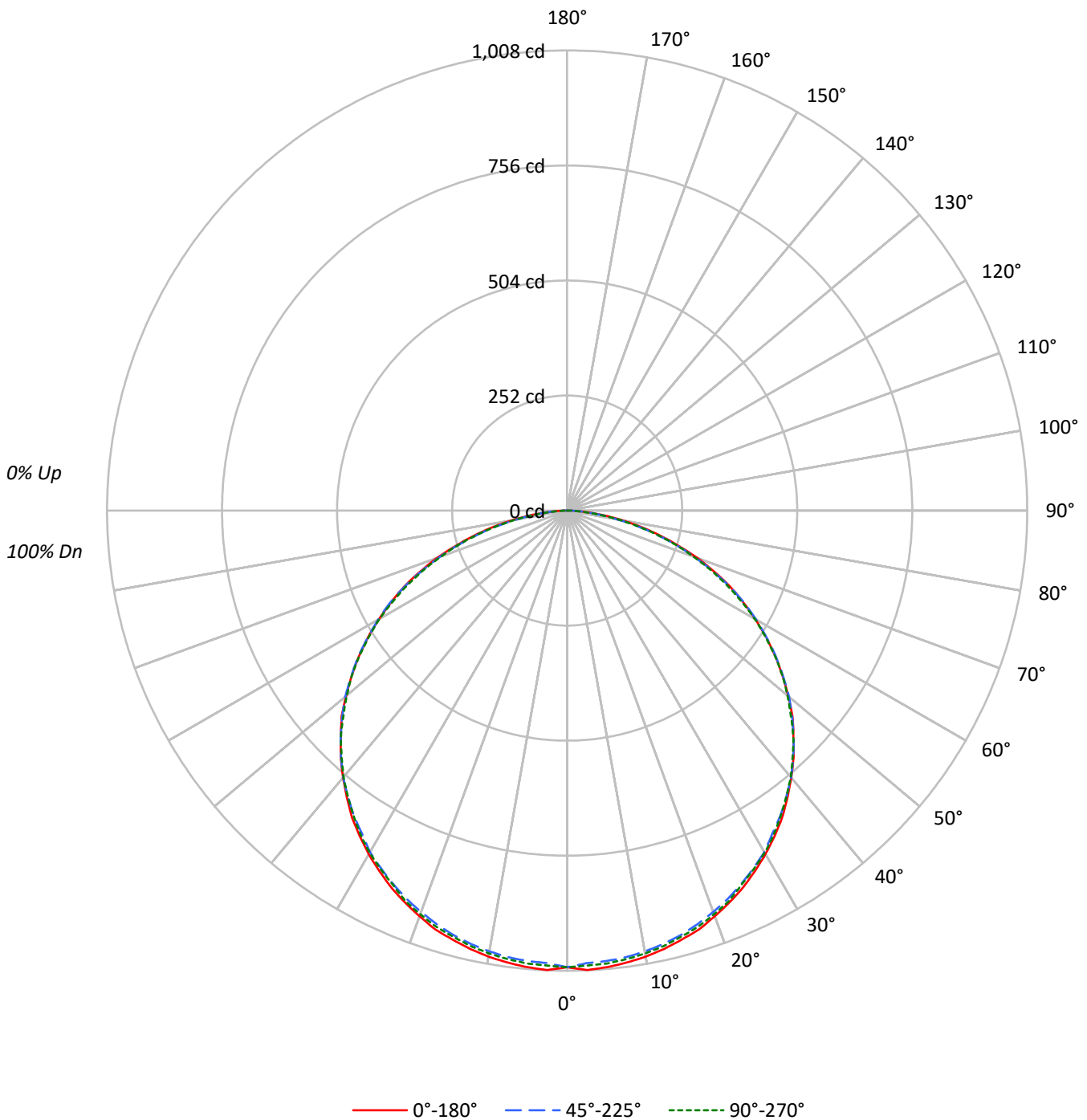
Lumens per Lamp: N/A
Luminaire Lumens: 2991.0 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P566277

CATALOG NUMBER: 4SNX-31SL-UNV-L950-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566277

CATALOG NUMBER: 4SNX-31SL-UNV-L950-CD

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°	10767	10767	10767
5°	10847	10701	10760
10°	10845	10717	10766
15°	10837	10727	10767
20°	10830	10717	10779
25°	10823	10716	10738
30°	10801	10734	10756
35°	10792	10709	10721
40°	10731	10718	10706
45°	10668	10682	10668
50°	10590	10620	10545
55°	10449	10483	10432
60°	10245	10284	10226
65°	10035	9966	9829
70°	9542	9344	9231
75°	8717	8418	8455
80°	7525	6967	7135
85°	5669	5446	4891



TEST NUMBER: P566277

CATALOG NUMBER: 4SNX-31SL-UNV-L950-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	3.2
10°-20°	273.5	9.1
20°-30°	418.4	14.0
30°-40°	511.5	17.1
40°-50°	541.1	18.1
50°-60°	498.6	16.7
60°-70°	384.2	12.8
70°-80°	215.3	7.2
80°-90°	53.5	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°	786.7	26.3
0°-40°	1298.3	43.4
0°-60°	2338.0	78.2
0°-90°	2991.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2991.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	1004	1000	990	1000	996	95
15°	972	971	963	971	966	275
25°	911	910	902	910	904	420
35°	821	820	815	818	816	513
45°	701	704	702	701	701	541
55°	557	561	559	559	556	497
65°	394	394	391	381	386	388
75°	210	207	202	195	203	222
85°	46	43	44	44	40	57
90°	0	0	0	0	0	



TEST NUMBER: P566277

CATALOG NUMBER: 4SNX-31SL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000.3	1000.3	1000.3	1000.3	1000.3
2.5°	1007.5	1003.0	992.2	1002.1	997.6
5°	1003.9	1000.3	990.4	1000.3	995.8
7.5°	998.5	995.8	986.8	995.8	991.3
10°	992.2	989.5	980.5	989.5	985.0
12.5°	983.2	981.4	972.5	981.4	976.9
15°	972.5	970.7	962.6	970.7	966.2
17.5°	961.7	958.1	950.0	959.0	955.4
20°	945.5	943.7	935.6	943.7	941.0
22.5°	929.3	927.5	920.3	927.5	925.7
25°	911.3	909.5	902.3	909.5	904.1
27.5°	890.6	891.5	883.4	887.9	885.2
30°	869.0	869.0	863.6	865.4	865.4
32.5°	845.6	845.6	837.5	842.9	842.0
35°	821.3	819.5	815.0	817.7	815.9
37.5°	792.5	791.6	788.9	790.7	788.9
40°	763.7	764.6	762.8	761.9	761.9
42.5°	734.1	735.9	733.2	732.3	731.4
45°	700.8	703.5	701.7	700.8	700.8
47.5°	670.2	671.1	668.4	667.5	664.8
50°	632.4	636.0	634.2	632.4	629.7
52.5°	594.6	600.0	596.4	594.6	594.6
55°	556.8	561.3	558.6	558.6	555.9
57.5°	517.3	521.8	518.2	518.2	514.6
60°	475.9	480.4	477.7	475.0	475.0
62.5°	434.5	438.1	437.2	432.7	430.0
65°	394.0	394.0	391.3	381.4	385.9
67.5°	348.1	347.2	343.6	333.7	340.0
70°	303.2	303.2	296.9	285.2	293.3
72.5°	254.6	257.3	249.2	241.1	249.2
75°	209.6	206.9	202.4	195.2	203.3
77.5°	166.4	161.9	156.5	152.9	157.4
80°	121.4	118.7	112.4	112.4	115.1
82.5°	82.8	80.1	75.6	76.5	72.9
85°	45.9	43.2	44.1	44.1	39.6
87.5°	18.9	18.9	18.9	17.1	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)