

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: P566275

Luminaire Tested: **4SNX-31SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566275
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-L935-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

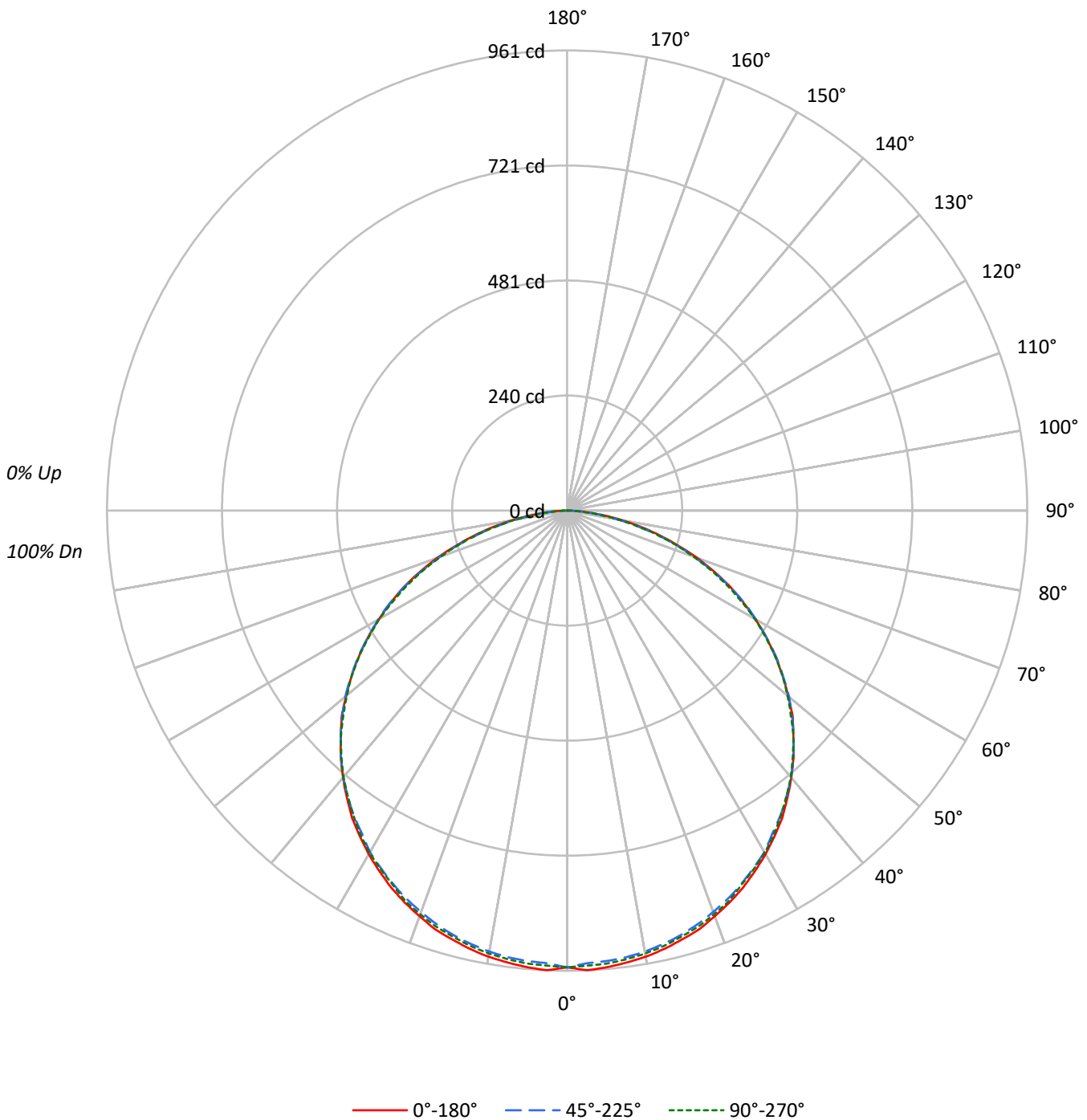
Lumens per Lamp: N/A
Luminaire Lumens: 2852.0 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P566275

CATALOG NUMBER: 4SNX-31SL-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566275

CATALOG NUMBER: 4SNX-31SL-UNV-L935-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	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°	10267	10267	10267
5°	10344	10204	10260
10°	10341	10220	10267
15°	10333	10228	10267
20°	10326	10219	10277
25°	10320	10219	10239
30°	10299	10235	10256
35°	10291	10211	10223
40°	10234	10221	10208
45°	10172	10185	10172
50°	10098	10126	10054
55°	9965	9997	9948
60°	9769	9806	9750
65°	9569	9503	9373
70°	9098	8910	8799
75°	8314	8027	8064
80°	7178	6645	6806
85°	5397	5187	4656



TEST NUMBER: P566275

CATALOG NUMBER: 4SNX-31SL-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	3.2
10°-20°	260.7	9.1
20°-30°	398.9	14.0
30°-40°	487.8	17.1
40°-50°	516.0	18.1
50°-60°	475.4	16.7
60°-70°	366.3	12.8
70°-80°	205.3	7.2
80°-90°	51.0	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°	750.2	26.3
0°-40°	1238.0	43.4
0°-60°	2229.4	78.2
0°-90°	2852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	954	954	954	954	954	
5°	957	954	944	954	950	91
15°	927	926	918	926	921	262
25°	869	867	860	867	862	400
35°	783	781	777	780	778	489
45°	668	671	669	668	668	516
55°	531	535	533	533	530	474
65°	376	376	373	364	368	370
75°	200	197	193	186	194	212
85°	44	41	42	42	38	54
90°	0	0	0	0	0	



TEST NUMBER: P566275

CATALOG NUMBER: 4SNX-31SL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	953.8	953.8	953.8	953.8	953.8
2.5°	960.7	956.4	946.1	955.6	951.3
5°	957.3	953.8	944.4	953.8	949.6
7.5°	952.1	949.6	941.0	949.6	945.3
10°	946.1	943.6	935.0	943.6	939.3
12.5°	937.6	935.8	927.3	935.8	931.5
15°	927.3	925.5	917.8	925.5	921.3
17.5°	917.0	913.5	905.8	914.4	911.0
20°	901.5	899.8	892.1	899.8	897.2
22.5°	886.1	884.4	877.5	884.4	882.7
25°	868.9	867.2	860.4	867.2	862.1
27.5°	849.2	850.1	842.3	846.6	844.1
30°	828.6	828.6	823.5	825.2	825.2
32.5°	806.3	806.3	798.6	803.7	802.9
35°	783.2	781.4	777.1	779.7	778.0
37.5°	755.7	754.8	752.3	754.0	752.3
40°	728.3	729.1	727.4	726.5	726.5
42.5°	699.9	701.7	699.1	698.2	697.4
45°	668.2	670.8	669.1	668.2	668.2
47.5°	639.0	639.9	637.3	636.5	633.9
50°	603.0	606.4	604.7	603.0	600.4
52.5°	567.0	572.1	568.7	567.0	567.0
55°	531.0	535.3	532.7	532.7	530.1
57.5°	493.2	497.5	494.1	494.1	490.6
60°	453.8	458.1	455.5	452.9	452.9
62.5°	414.3	417.7	416.9	412.6	410.0
65°	375.7	375.7	373.1	363.7	368.0
67.5°	332.0	331.1	327.7	318.2	324.2
70°	289.1	289.1	283.1	271.9	279.6
72.5°	242.8	245.3	237.6	229.9	237.6
75°	199.9	197.3	193.0	186.1	193.9
77.5°	158.7	154.4	149.3	145.8	150.1
80°	115.8	113.2	107.2	107.2	109.8
82.5°	78.9	76.3	72.1	72.9	69.5
85°	43.7	41.2	42.0	42.0	37.7
87.5°	18.0	18.0	18.0	16.3	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)