

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: P566274

Luminaire Tested: **4SNX-31SL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566274
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-L930-CD
Description: 4FT 3100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

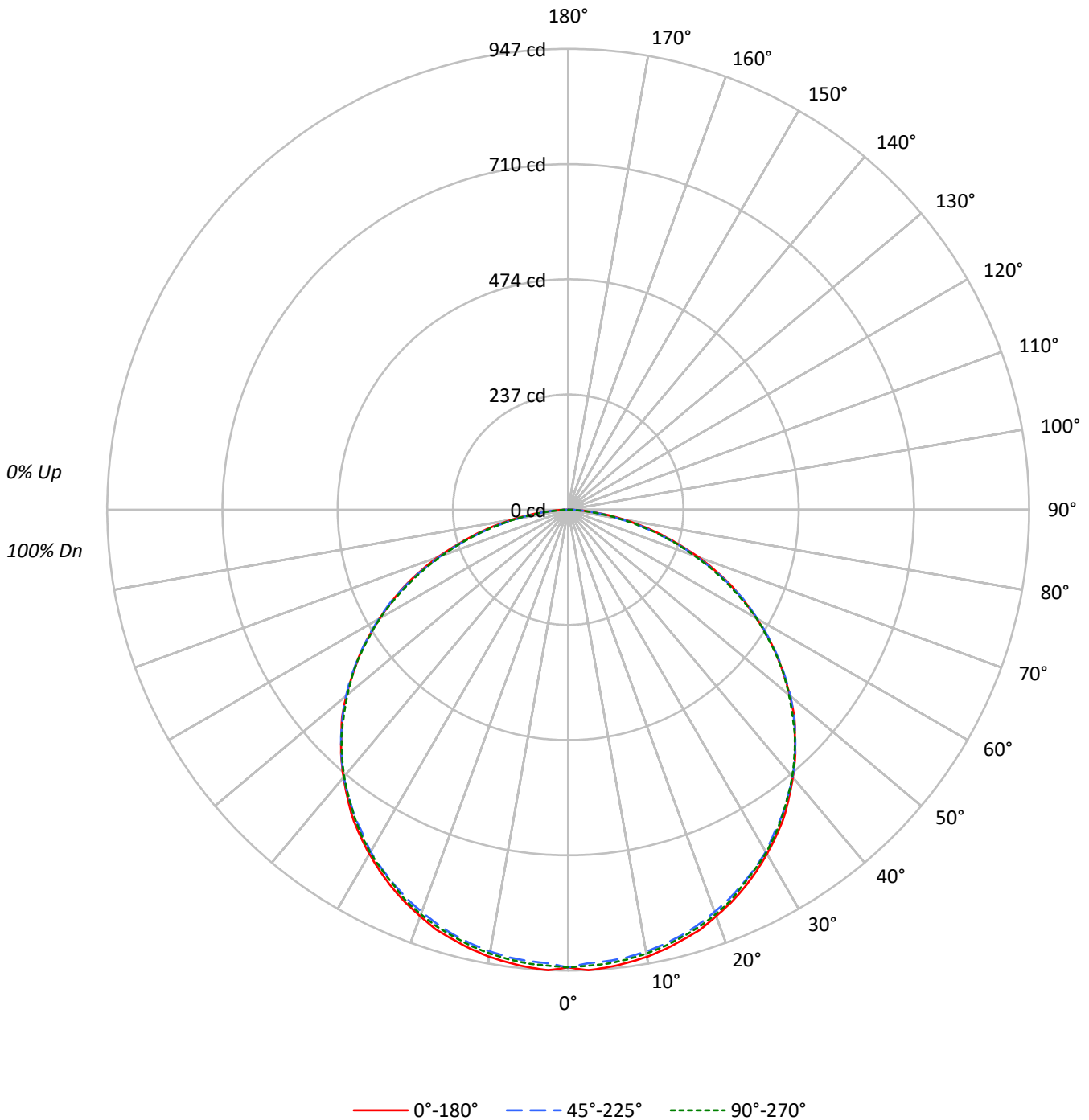
Lumens per Lamp: N/A
Luminaire Lumens: 2812.0 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	10123	10123	10123
5°	10199	10062	10116
10°	10197	10076	10122
15°	10189	10084	10122
20°	10182	10076	10134
25°	10175	10075	10095
30°	10155	10091	10112
35°	10147	10068	10080
40°	10089	10078	10065
45°	10029	10042	10029
50°	9957	9985	9913
55°	9824	9856	9809
60°	9632	9668	9614
65°	9434	9370	9240
70°	8969	8784	8677
75°	8197	7914	7948
80°	7079	6552	6713
85°	5323	5113	4594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	3.2
10°-20°	257.1	9.1
20°-30°	393.4	14.0
30°-40°	480.9	17.1
40°-50°	508.7	18.1
50°-60°	468.8	16.7
60°-70°	361.2	12.8
70°-80°	202.4	7.2
80°-90°	50.3	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°	739.7	26.3
0°-40°	1220.6	43.4
0°-60°	2198.1	78.2
0°-90°	2812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	944	940	931	940	936	90
15°	914	913	905	913	908	258
25°	857	855	848	855	850	395
35°	772	770	766	769	767	482
45°	659	661	660	659	659	509
55°	524	528	525	525	523	467
65°	370	370	368	359	363	364
75°	197	194	190	184	191	209
85°	43	41	41	41	37	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	940.5	940.5	940.5	940.5	940.5
2.5°	947.2	943.0	932.9	942.2	937.9
5°	943.9	940.5	931.2	940.5	936.2
7.5°	938.8	936.2	927.8	936.2	932.0
10°	932.9	930.3	921.9	930.3	926.1
12.5°	924.4	922.7	914.3	922.7	918.5
15°	914.3	912.6	904.9	912.6	908.3
17.5°	904.1	900.7	893.1	901.6	898.2
20°	888.9	887.2	879.6	887.2	884.7
22.5°	873.7	872.0	865.2	872.0	870.3
25°	856.7	855.1	848.3	855.1	850.0
27.5°	837.3	838.1	830.5	834.8	832.2
30°	817.0	817.0	811.9	813.6	813.6
32.5°	795.0	795.0	787.4	792.5	791.6
35°	772.2	770.5	766.2	768.8	767.1
37.5°	745.1	744.3	741.7	743.4	741.7
40°	718.0	718.9	717.2	716.3	716.3
42.5°	690.1	691.8	689.3	688.4	687.6
45°	658.8	661.4	659.7	658.8	658.8
47.5°	630.1	630.9	628.4	627.5	625.0
50°	594.6	597.9	596.3	594.6	592.0
52.5°	559.0	564.1	560.7	559.0	559.0
55°	523.5	527.7	525.2	525.2	522.7
57.5°	486.3	490.5	487.2	487.2	483.8
60°	447.4	451.6	449.1	446.6	446.6
62.5°	408.5	411.9	411.0	406.8	404.3
65°	370.4	370.4	367.9	358.6	362.8
67.5°	327.3	326.5	323.1	313.8	319.7
70°	285.0	285.0	279.1	268.1	275.7
72.5°	239.3	241.9	234.3	226.7	234.3
75°	197.1	194.5	190.3	183.5	191.1
77.5°	156.5	152.2	147.2	143.8	148.0
80°	114.2	111.6	105.7	105.7	108.3
82.5°	77.8	75.3	71.0	71.9	68.5
85°	43.1	40.6	41.4	41.4	37.2
87.5°	17.8	17.8	17.8	16.1	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)