

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: P566306

Luminaire Tested: **4SNX-33SL-LW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-LW-UNV-L930-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

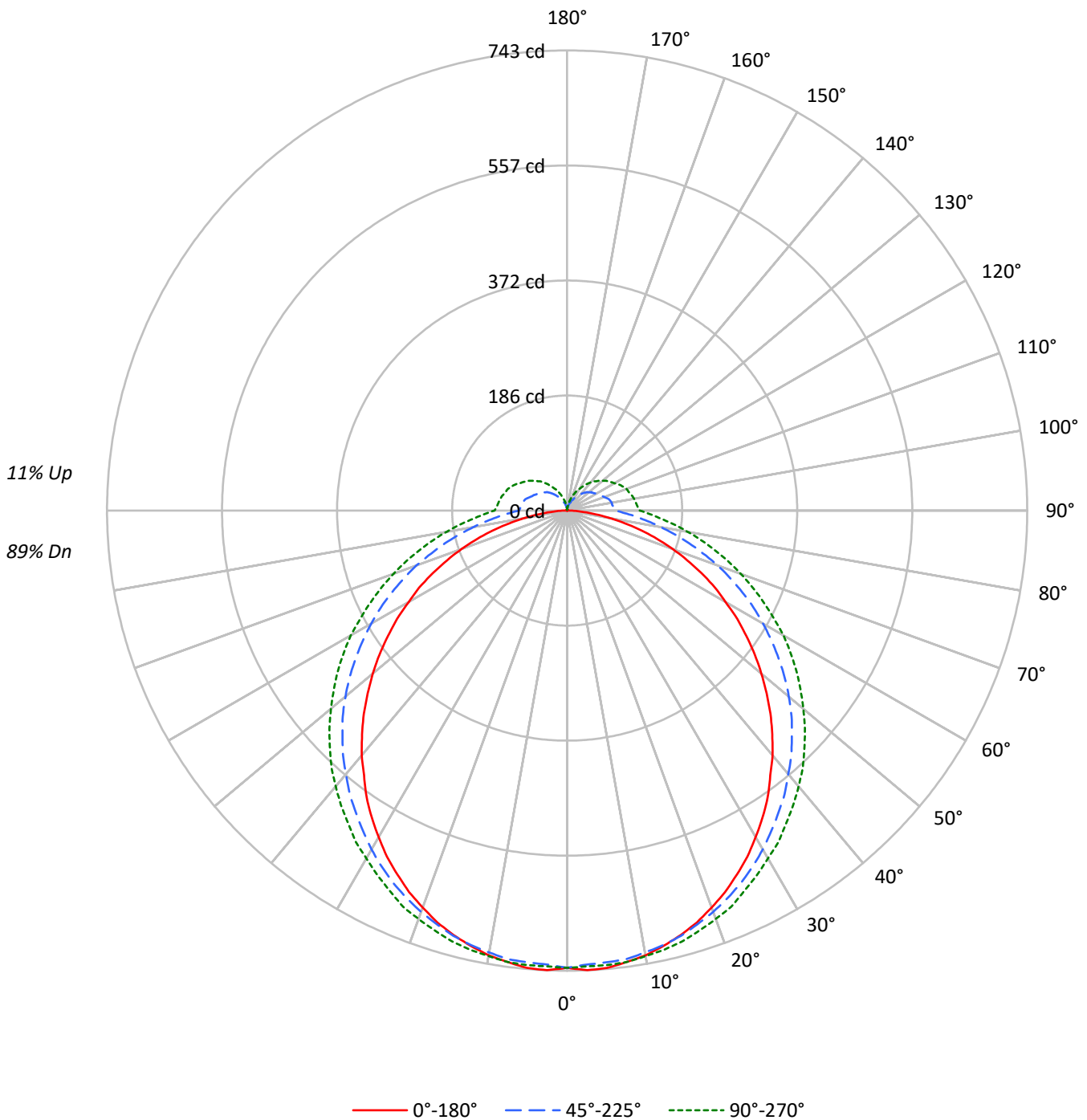
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2628.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 21.1
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: P566306
CATALOG NUMBER: 4SNX-33SL-LW-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566306

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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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7946	7946	7946
5°	7981	7578	7521
10°	7911	7276	7145
15°	7817	6984	6806
20°	7694	6680	6468
25°	7554	6389	6136
30°	7389	6090	5819
35°	7210	5789	5522
40°	7006	5497	5239
45°	6784	5202	4949
50°	6531	4900	4644
55°	6254	4563	4346
60°	5929	4211	4030
65°	5588	3831	3670
70°	5114	3428	3315
75°	4492	2957	2940
80°	3510	2481	2566
85°	2292	2040	2181



TEST NUMBER: P566306

CATALOG NUMBER: 4SNX-33SL-LW-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	2.7
10°-20°	201.5	7.7
20°-30°	306.4	11.7
30°-40°	372.0	14.2
40°-50°	393.1	15.0
50°-60°	367.8	14.0
60°-70°	301.8	11.5
70°-80°	207.6	7.9
80°-90°	113.7	4.3
90°-100°	73.2	2.8
100°-110°	65.7	2.5
110°-120°	54.4	2.1
120°-130°	41.9	1.6
130°-140°	29.4	1.1
140°-150°	17.7	0.7
150°-160°	8.5	0.3
160°-170°	2.8	0.1
170°-180°	0.3	0.0
0°-30°	578.1	22.0
0°-40°	950.1	36.2
0°-60°	1711.0	65.1
0°-90°	2334.1	88.8
90°-120°	193.3	7.4
90°-150°	282.3	10.7
90°-180°	294.0	11.2
0°-180°	2628.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	741	740	732	738	737	70
15°	709	712	711	720	720	200
25°	648	656	664	677	677	299
35°	565	578	595	612	616	353
45°	464	486	513	536	542	358
55°	353	382	417	443	452	316
65°	239	271	312	341	350	237
75°	125	158	204	236	247	131
85°	27	65	111	142	152	32
90°	0	36	78	106	117	2
95°	0	35	75	102	113	0
105°	0	29	70	96	105	1
115°	2	26	59	85	96	1
125°	2	21	50	73	82	1
135°	2	17	41	59	67	1
145°	2	12	29	46	50	1
155°	2	8	18	29	34	1
165°	2	5	9	14	17	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566306

CATALOG NUMBER: 4SNX-33SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	738.2	738.2	738.2	738.2	738.2
2.5°	742.8	741.3	733.6	739.7	736.7
5°	741.3	739.7	732.1	738.2	736.7
7.5°	735.2	735.2	730.6	736.7	735.2
10°	729.1	729.1	724.5	732.1	730.6
12.5°	719.9	721.5	718.4	727.6	726.0
15°	709.3	712.3	710.8	719.9	719.9
17.5°	697.1	700.2	700.2	710.8	710.8
20°	681.9	686.5	689.5	701.7	701.7
22.5°	666.7	672.8	677.3	688.0	692.5
25°	648.4	656.0	663.6	677.3	677.3
27.5°	630.1	639.3	648.4	662.1	663.6
30°	608.8	619.5	631.7	645.4	648.4
32.5°	587.5	601.2	613.4	630.1	634.7
35°	564.7	578.4	595.1	611.9	616.4
37.5°	538.8	555.6	576.9	595.1	599.7
40°	516.0	534.3	555.6	576.9	581.4
42.5°	490.1	509.9	535.8	555.6	563.2
45°	464.2	485.5	512.9	535.8	541.9
47.5°	436.8	461.2	491.6	512.9	520.6
50°	409.4	435.3	467.3	491.6	497.7
52.5°	382.0	409.4	442.9	467.3	474.9
55°	353.1	382.0	417.1	442.9	452.1
57.5°	325.7	354.6	391.2	418.6	427.7
60°	295.3	328.8	365.3	392.7	403.4
62.5°	269.4	299.9	339.4	366.8	376.0
65°	239.0	270.9	312.0	340.9	350.1
67.5°	210.0	243.5	284.6	315.1	324.2
70°	181.1	214.6	258.8	287.7	298.3
72.5°	152.2	187.2	229.8	261.8	272.5
75°	124.8	158.3	204.0	235.9	246.6
77.5°	95.9	132.4	178.1	210.0	222.2
80°	70.0	108.1	153.7	185.7	197.9
82.5°	47.2	85.2	130.9	162.9	175.0
85°	27.4	65.4	111.1	141.6	152.2
87.5°	13.7	50.2	92.8	123.3	133.9
90°	0.0	36.5	77.6	106.5	117.2
92.5°	0.0	35.0	76.1	103.5	114.2
95°	0.0	35.0	74.6	102.0	112.6
97.5°	0.0	33.5	73.1	102.0	111.1
100°	0.0	32.0	73.1	100.5	109.6
102.5°	0.0	30.4	71.5	98.9	108.1
105°	0.0	28.9	70.0	95.9	105.0
107.5°	1.5	28.9	67.0	94.4	103.5
110°	1.5	27.4	63.9	92.8	102.0



TEST NUMBER: P566306

CATALOG NUMBER: 4SNX-33SL-LW-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	25.9	60.9	89.8	98.9
115°	1.5	25.9	59.4	85.2	95.9
117.5°	1.5	24.4	56.3	82.2	92.8
120°	1.5	24.4	54.8	79.1	88.3
122.5°	1.5	22.8	51.8	76.1	85.2
125°	1.5	21.3	50.2	73.1	82.2
127.5°	1.5	19.8	48.7	70.0	79.1
130°	1.5	18.3	45.7	67.0	74.6
132.5°	1.5	18.3	44.1	62.4	71.5
135°	1.5	16.7	41.1	59.4	67.0
137.5°	1.5	15.2	38.1	56.3	63.9
140°	1.5	13.7	35.0	53.3	59.4
142.5°	1.5	13.7	32.0	48.7	54.8
145°	1.5	12.2	28.9	45.7	50.2
147.5°	1.5	10.7	25.9	41.1	45.7
150°	1.5	10.7	22.8	36.5	41.1
152.5°	1.5	9.1	19.8	33.5	38.1
155°	1.5	7.6	18.3	28.9	33.5
157.5°	1.5	7.6	15.2	24.4	28.9
160°	1.5	6.1	13.7	19.8	24.4
162.5°	1.5	6.1	12.2	16.7	21.3
165°	1.5	4.6	9.1	13.7	16.7
167.5°	1.5	4.6	7.6	10.7	13.7
170°	1.5	3.0	6.1	7.6	10.7
172.5°	1.5	3.0	4.6	4.6	4.6
175°	1.5	1.5	3.0	3.0	1.5
177.5°	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)