

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: P566314

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566314
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-SLW-UNV-L930-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

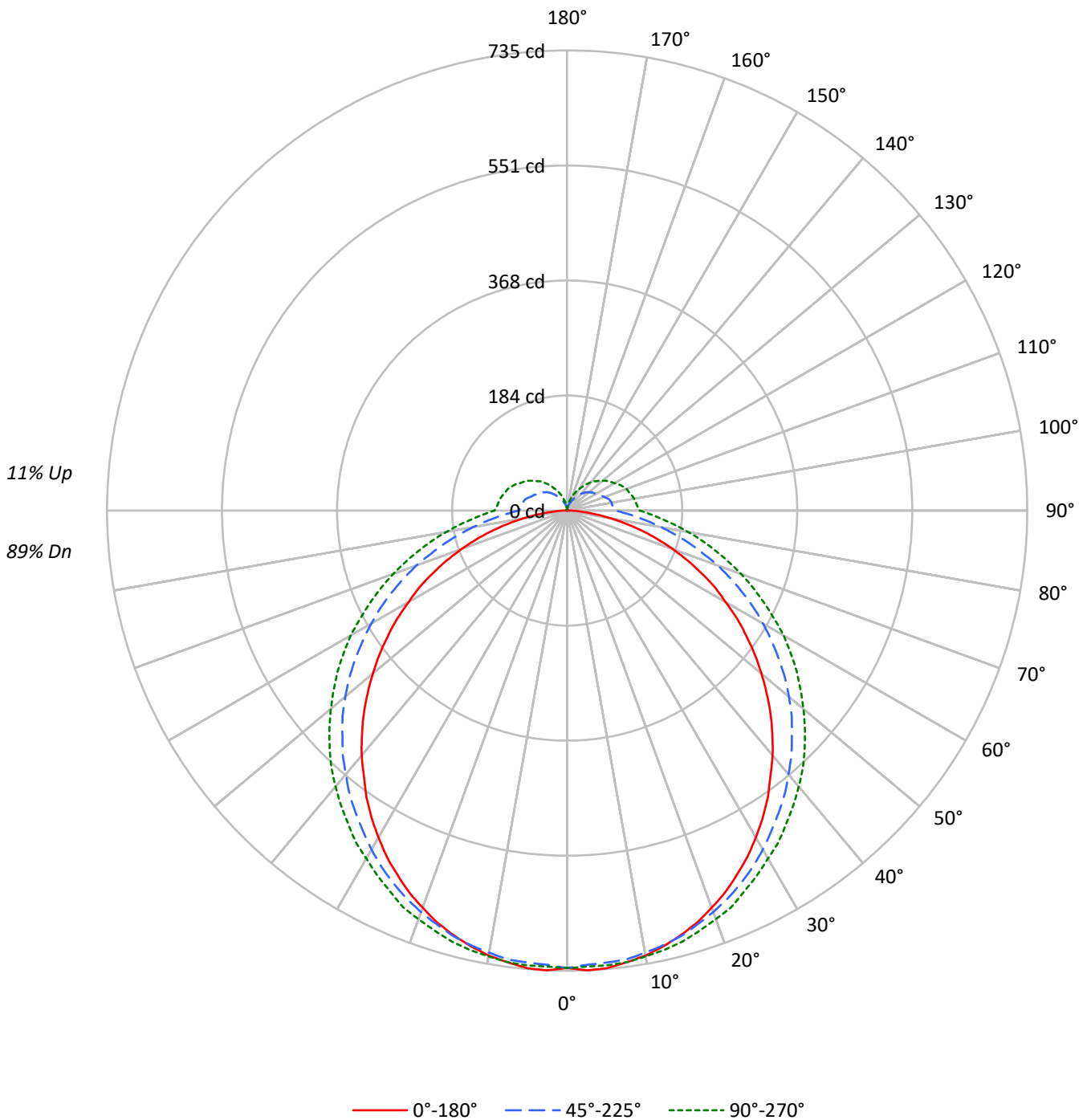
Lumens per Lamp: N/A
Luminaire Lumens: 2601.0 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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

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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	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	76	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°	7864	7864	7864
5°	7912	7662	7656
10°	7858	7508	7466
15°	7780	7348	7291
20°	7673	7166	7098
25°	7548	6988	6895
30°	7401	6792	6693
35°	7239	6589	6505
40°	7053	6389	6325
45°	6853	6186	6129
50°	6622	5970	5910
55°	6370	5712	5696
60°	6074	5434	5456
65°	5767	5124	5155
70°	5339	4782	4860
75°	4767	4349	4532
80°	3843	3907	4210
85°	2705	3528	3879



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.4	2.7
10°-20°	199.5	7.7
20°-30°	303.3	11.7
30°-40°	368.2	14.2
40°-50°	389.1	15.0
50°-60°	364.1	14.0
60°-70°	298.7	11.5
70°-80°	205.5	7.9
80°-90°	112.5	4.3
90°-100°	72.4	2.8
100°-110°	65.0	2.5
110°-120°	53.8	2.1
120°-130°	41.4	1.6
130°-140°	29.1	1.1
140°-150°	17.5	0.7
150°-160°	8.4	0.3
160°-170°	2.8	0.1
170°-180°	0.3	0.0
0°-30°	572.2	22.0
0°-40°	940.3	36.2
0°-60°	1693.5	65.1
0°-90°	2310.2	88.8
90°-120°	191.3	7.4
90°-150°	279.4	10.7
90°-180°	291.0	11.2
0°-180°	2601.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	734	732	725	731	729	70
15°	702	705	704	712	712	198
25°	642	649	657	670	670	296
35°	559	572	589	606	610	349
45°	460	481	508	530	536	354
55°	350	378	413	438	447	313
65°	236	268	309	337	346	234
75°	124	157	202	234	244	130
85°	27	65	110	140	151	31
90°	0	36	77	106	116	2
95°	0	35	74	101	112	0
105°	0	29	69	95	104	1
115°	2	26	59	84	95	1
125°	2	21	50	72	81	1
135°	2	17	41	59	66	1
145°	2	12	29	45	50	1
155°	2	8	18	29	33	1
165°	2	4	9	14	17	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	730.6	730.6	730.6	730.6	730.6
2.5°	735.1	733.6	726.1	732.1	729.1
5°	733.6	732.1	724.6	730.6	729.1
7.5°	727.6	727.6	723.1	729.1	727.6
10°	721.6	721.6	717.1	724.6	723.1
12.5°	712.5	714.1	711.0	720.1	718.6
15°	702.0	705.0	703.5	712.5	712.5
17.5°	690.0	693.0	693.0	703.5	703.5
20°	674.9	679.4	682.4	694.5	694.5
22.5°	659.8	665.8	670.4	680.9	685.4
25°	641.7	649.3	656.8	670.4	670.4
27.5°	623.7	632.7	641.7	655.3	656.8
30°	602.6	613.1	625.2	638.7	641.7
32.5°	581.5	595.0	607.1	623.7	628.2
35°	558.9	572.5	589.0	605.6	610.1
37.5°	533.3	549.9	570.9	589.0	593.5
40°	510.7	528.8	549.9	570.9	575.5
42.5°	485.1	504.7	530.3	549.9	557.4
45°	459.5	480.6	507.7	530.3	536.3
47.5°	432.4	456.5	486.6	507.7	515.2
50°	405.2	430.8	462.5	486.6	492.6
52.5°	378.1	405.2	438.4	462.5	470.0
55°	349.5	378.1	412.8	438.4	447.4
57.5°	322.4	351.0	387.2	414.3	423.3
60°	292.3	325.4	361.5	388.7	399.2
62.5°	266.6	296.8	335.9	363.1	372.1
65°	236.5	268.1	308.8	337.4	346.5
67.5°	207.9	241.0	281.7	311.8	320.9
70°	179.3	212.4	256.1	284.7	295.3
72.5°	150.6	185.3	227.5	259.1	269.7
75°	123.5	156.7	201.9	233.5	244.0
77.5°	94.9	131.1	176.3	207.9	219.9
80°	69.3	107.0	152.2	183.8	195.8
82.5°	46.7	84.4	129.6	161.2	173.2
85°	27.1	64.8	110.0	140.1	150.6
87.5°	13.6	49.7	91.9	122.0	132.6
90°	0.0	36.2	76.8	105.5	116.0
92.5°	0.0	34.6	75.3	102.4	113.0
95°	0.0	34.6	73.8	100.9	111.5
97.5°	0.0	33.1	72.3	100.9	110.0
100°	0.0	31.6	72.3	99.4	108.5
102.5°	0.0	30.1	70.8	97.9	107.0
105°	0.0	28.6	69.3	94.9	103.9
107.5°	1.5	28.6	66.3	93.4	102.4
110°	1.5	27.1	63.3	91.9	100.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	25.6	60.3	88.9	97.9
115°	1.5	25.6	58.8	84.4	94.9
117.5°	1.5	24.1	55.7	81.3	91.9
120°	1.5	24.1	54.2	78.3	87.4
122.5°	1.5	22.6	51.2	75.3	84.4
125°	1.5	21.1	49.7	72.3	81.3
127.5°	1.5	19.6	48.2	69.3	78.3
130°	1.5	18.1	45.2	66.3	73.8
132.5°	1.5	18.1	43.7	61.8	70.8
135°	1.5	16.6	40.7	58.8	66.3
137.5°	1.5	15.1	37.7	55.7	63.3
140°	1.5	13.6	34.6	52.7	58.8
142.5°	1.5	13.6	31.6	48.2	54.2
145°	1.5	12.1	28.6	45.2	49.7
147.5°	1.5	10.5	25.6	40.7	45.2
150°	1.5	10.5	22.6	36.2	40.7
152.5°	1.5	9.0	19.6	33.1	37.7
155°	1.5	7.5	18.1	28.6	33.1
157.5°	1.5	7.5	15.1	24.1	28.6
160°	1.5	6.0	13.6	19.6	24.1
162.5°	1.5	6.0	12.1	16.6	21.1
165°	1.5	4.5	9.0	13.6	16.6
167.5°	1.5	4.5	7.5	10.5	13.6
170°	1.5	3.0	6.0	7.5	10.5
172.5°	1.5	3.0	4.5	4.5	4.5
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)