

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: P566283

Luminaire Tested: **4SNX-33SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-FDL-UNV-L935-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

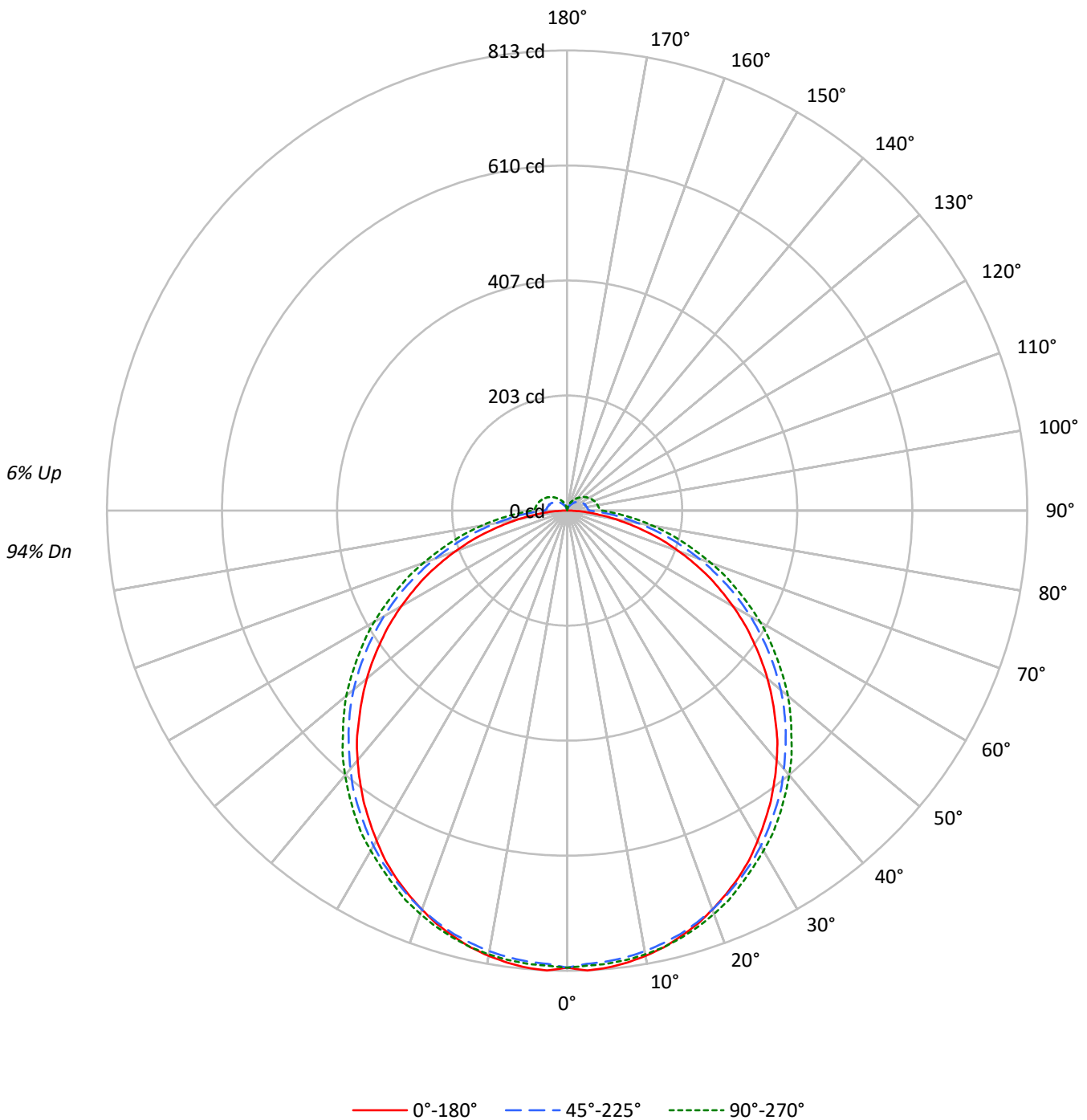
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2566.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: 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: P566283
CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566283

CATALOG NUMBER: 4SNX-33SL-FDL-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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8692	8692	8692
5°	8752	8547	8560
10°	8715	8456	8453
15°	8650	8348	8332
20°	8561	8219	8190
25°	8459	8077	8023
30°	8320	7932	7867
35°	8181	7762	7705
40°	8026	7575	7523
45°	7831	7389	7311
50°	7643	7178	7117
55°	7411	6915	6847
60°	7150	6616	6582
65°	6871	6258	6216
70°	6395	5809	5837
75°	5821	5280	5382
80°	4975	4578	4879
85°	3907	3972	4290



TEST NUMBER: P566283

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.0
10°-20°	219.7	8.6
20°-30°	333.0	13.0
30°-40°	402.0	15.7
40°-50°	419.8	16.4
50°-60°	385.7	15.0
60°-70°	305.0	11.9
70°-80°	193.0	7.5
80°-90°	83.0	3.2
90°-100°	36.5	1.4
100°-110°	32.7	1.3
110°-120°	27.6	1.1
120°-130°	21.5	0.8
130°-140°	14.9	0.6
140°-150°	8.9	0.3
150°-160°	4.4	0.2
160°-170°	1.5	0.1
170°-180°	0.2	0.0
0°-30°	629.3	24.5
0°-40°	1031.3	40.2
0°-60°	1836.8	71.6
0°-90°	2417.8	94.2
90°-120°	96.8	3.8
90°-150°	142.1	5.5
90°-180°	148.0	5.8
0°-180°	2566.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	808	808	808	808	808	
5°	811	808	800	807	804	77
15°	778	778	774	782	781	220
25°	716	719	720	729	728	330
35°	627	634	642	652	655	392
45°	520	533	546	557	560	401
55°	401	417	434	448	452	359
65°	276	291	312	326	331	272
75°	145	163	186	202	210	154
85°	35	54	78	95	101	39
90°	2	20	40	56	62	3
95°	0	17	36	51	56	0
105°	0	15	34	48	53	1
115°	0	13	31	43	48	1
125°	1	12	26	37	41	1
135°	1	9	21	30	33	1
145°	1	7	14	22	24	1
155°	1	4	10	14	17	0
165°	1	3	5	7	10	0
175°	1	2	2	2	1	0
180°	1	1	1	1	1	



TEST NUMBER: P566283

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	807.5	807.5	807.5	807.5	807.5
2.5°	813.4	810.7	801.6	807.9	804.7
5°	810.7	808.4	799.7	806.6	803.8
7.5°	805.7	803.8	796.1	803.4	800.7
10°	798.8	797.5	790.7	797.9	796.1
12.5°	790.2	789.8	782.9	791.1	789.8
15°	778.4	778.4	774.3	782.5	781.1
17.5°	765.7	766.1	762.9	771.6	770.7
20°	750.2	752.5	750.2	759.3	758.4
22.5°	733.4	736.6	735.7	744.8	745.2
25°	715.7	718.9	719.8	729.3	728.0
27.5°	696.1	701.1	703.0	711.6	711.1
30°	673.4	680.2	684.3	691.6	693.9
32.5°	650.2	658.4	663.4	673.4	676.1
35°	627.1	634.3	642.5	652.5	654.8
37.5°	601.6	609.8	620.7	630.3	633.0
40°	576.2	585.3	595.7	606.2	610.3
42.5°	549.8	559.4	570.7	583.0	587.1
45°	519.8	532.6	546.2	556.6	560.3
47.5°	491.2	505.3	519.8	531.2	535.3
50°	462.1	477.1	492.6	503.0	509.4
52.5°	431.7	448.0	463.5	476.7	480.8
55°	400.8	417.1	434.4	448.5	451.7
57.5°	370.8	386.7	404.0	417.1	423.5
60°	338.1	355.3	374.0	387.2	394.0
62.5°	306.3	323.1	343.1	357.2	362.6
65°	275.8	291.3	311.7	326.3	331.3
67.5°	242.2	259.9	279.5	296.3	302.6
70°	209.0	225.8	248.1	264.0	270.4
72.5°	178.1	194.5	216.7	232.7	238.6
75°	145.4	162.7	186.3	202.2	209.9
77.5°	114.1	133.1	155.9	173.1	181.8
80°	85.0	101.8	126.3	145.4	153.1
82.5°	57.7	75.9	101.3	119.1	127.7
85°	35.4	54.5	78.2	95.0	100.9
87.5°	16.8	35.0	56.8	73.2	80.4
90°	2.3	19.5	40.0	55.9	61.8
92.5°	0.5	16.8	36.8	51.8	57.3
95°	0.5	16.8	36.4	50.9	56.3
97.5°	0.5	16.4	35.9	50.4	55.4
100°	0.5	15.9	35.4	49.5	55.0
102.5°	0.5	15.9	34.5	48.6	53.6
105°	0.5	15.4	34.1	47.7	52.7
107.5°	0.5	15.0	33.2	46.8	51.8
110°	0.5	14.1	32.7	45.4	50.4



TEST NUMBER: P566283

CATALOG NUMBER: 4SNX-33SL-FDL-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	13.6	31.8	44.5	49.1
115°	0.5	13.2	30.9	43.2	47.7
117.5°	0.5	12.7	29.5	41.8	46.3
120°	0.9	12.7	28.6	40.4	44.5
122.5°	0.9	12.3	27.3	38.6	42.7
125°	0.9	11.8	25.9	37.3	41.4
127.5°	0.9	11.4	24.5	35.4	39.1
130°	0.9	10.5	23.6	33.6	37.3
132.5°	0.9	10.0	22.3	31.4	35.0
135°	0.9	9.1	20.9	29.5	33.2
137.5°	0.9	8.6	19.5	27.7	30.9
140°	0.9	8.2	17.7	25.9	29.1
142.5°	0.9	7.3	16.4	24.1	26.8
145°	0.9	6.8	14.5	22.3	24.5
147.5°	0.9	5.9	13.2	20.4	22.7
150°	0.9	5.5	11.8	18.6	20.9
152.5°	0.9	5.0	10.5	16.4	18.6
155°	0.9	4.5	9.5	14.1	16.8
157.5°	0.9	4.1	8.2	12.3	15.0
160°	1.4	3.6	7.3	10.5	12.7
162.5°	1.4	3.2	5.9	8.6	11.4
165°	1.4	3.2	5.0	6.8	9.5
167.5°	1.4	2.7	4.1	5.5	7.7
170°	1.4	2.3	3.6	4.1	5.9
172.5°	1.4	1.8	2.7	2.7	3.2
175°	1.4	1.8	2.3	2.3	1.4
177.5°	1.4	1.4	1.4	1.4	0.9
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)