

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: P566316

Luminaire Tested: **4SNX-33SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566316  
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-L940-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

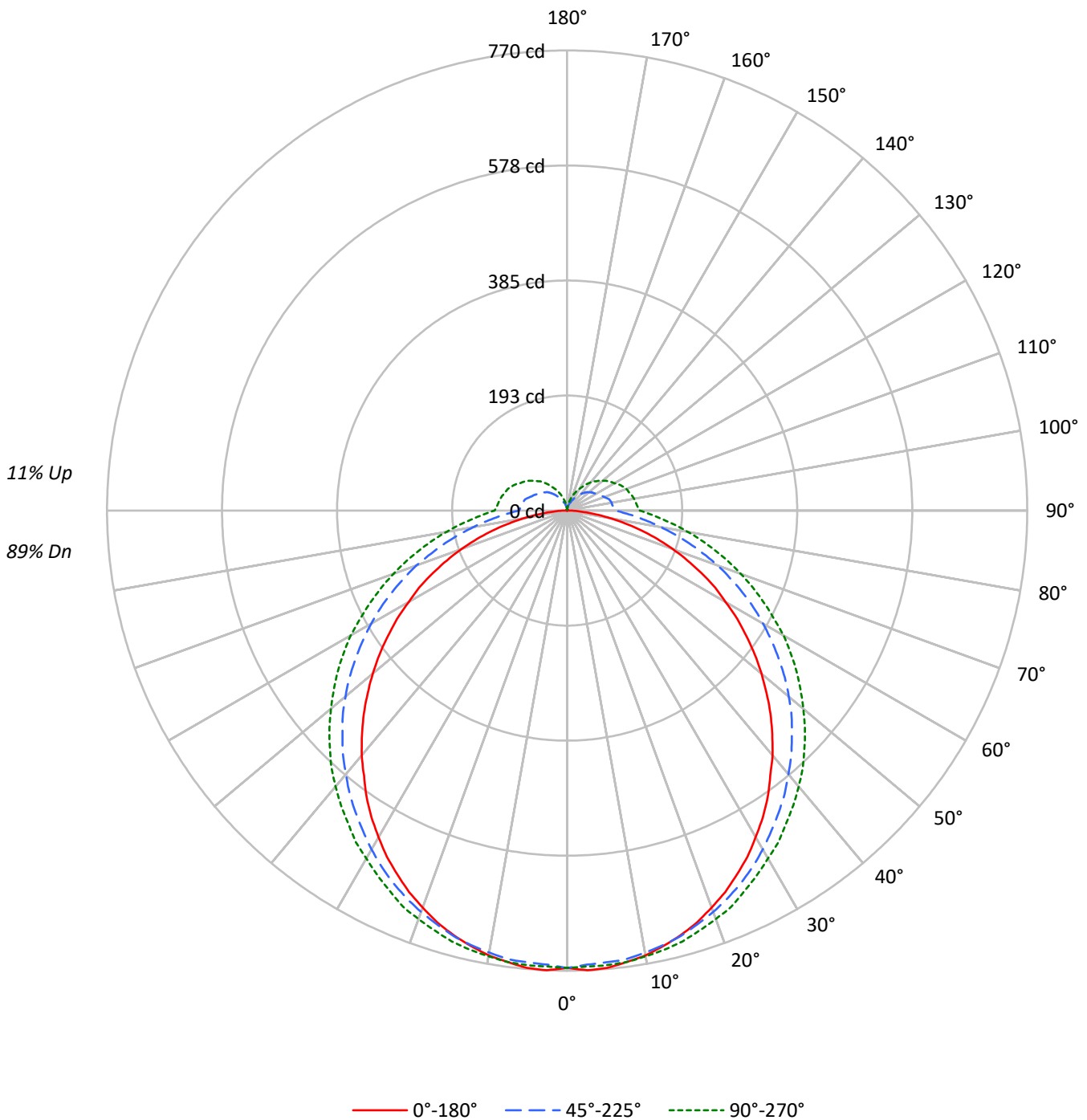
Lumens per Lamp: N/A  
Luminaire Lumens: 2724.0 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 21.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P566316

CATALOG NUMBER: 4SNX-33SL-SLW-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566316

CATALOG NUMBER: 4SNX-33SL-SLW-UNV-L940-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	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°	8237	8237	8237
5°	8286	8025	8018
10°	8230	7863	7820
15°	8147	7696	7636
20°	8036	7505	7433
25°	7906	7319	7221
30°	7751	7113	7010
35°	7581	6901	6813
40°	7386	6692	6624
45°	7176	6478	6419
50°	6935	6252	6190
55°	6671	5982	5965
60°	6361	5692	5715
65°	6040	5366	5399
70°	5589	5008	5089
75°	4995	4553	4748
80°	4026	4090	4410
85°	2835	3694	4065



TEST NUMBER: P566316

CATALOG NUMBER: 4SNX-33SL-SLW-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.7	2.7
10°-20°	208.9	7.7
20°-30°	317.6	11.7
30°-40°	385.6	14.2
40°-50°	407.4	15.0
50°-60°	381.3	14.0
60°-70°	312.8	11.5
70°-80°	215.2	7.9
80°-90°	117.8	4.3
90°-100°	75.9	2.8
100°-110°	68.1	2.5
110°-120°	56.4	2.1
120°-130°	43.4	1.6
130°-140°	30.5	1.1
140°-150°	18.4	0.7
150°-160°	8.8	0.3
160°-170°	2.9	0.1
170°-180°	0.3	0.0
0°-30°	599.2	22.0
0°-40°	984.8	36.2
0°-60°	1773.5	65.1
0°-90°	2419.4	88.8
90°-120°	200.3	7.4
90°-150°	292.6	10.7
90°-180°	305.0	11.2
0°-180°	2724.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	765	765	765	765	765	
5°	768	767	759	765	764	73
15°	735	738	737	746	746	207
25°	672	680	688	702	702	310
35°	585	600	617	634	639	366
45°	481	503	532	555	562	371
55°	366	396	432	459	469	328
65°	248	281	323	353	363	245
75°	129	164	211	244	256	136
85°	28	68	115	147	158	33
90°	0	38	80	110	122	2
95°	0	36	77	106	117	0
105°	0	30	73	99	109	1
115°	2	27	62	88	99	2
125°	2	22	52	76	85	1
135°	2	17	43	62	69	1
145°	2	13	30	47	52	1
155°	2	8	19	30	35	1
165°	2	5	10	14	17	0
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566316

CATALOG NUMBER: 4SNX-33SL-SLW-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	765.2	765.2	765.2	765.2	765.2
2.5°	769.9	768.3	760.4	766.8	763.6
5°	768.3	766.8	758.9	765.2	763.6
7.5°	762.0	762.0	757.3	763.6	762.0
10°	755.7	755.7	751.0	758.9	757.3
12.5°	746.2	747.8	744.7	754.1	752.6
15°	735.2	738.4	736.8	746.2	746.2
17.5°	722.6	725.7	725.7	736.8	736.8
20°	706.8	711.5	714.7	727.3	727.3
22.5°	691.0	697.3	702.1	713.1	717.8
25°	672.1	680.0	687.9	702.1	702.1
27.5°	653.2	662.6	672.1	686.3	687.9
30°	631.1	642.1	654.7	668.9	672.1
32.5°	609.0	623.2	635.8	653.2	657.9
35°	585.3	599.5	616.9	634.2	639.0
37.5°	558.5	575.9	597.9	616.9	621.6
40°	534.8	553.8	575.9	597.9	602.7
42.5°	508.0	528.5	555.3	575.9	583.7
45°	481.2	503.3	531.7	555.3	561.7
47.5°	452.8	478.0	509.6	531.7	539.6
50°	424.4	451.2	484.3	509.6	515.9
52.5°	396.0	424.4	459.1	484.3	492.2
55°	366.0	396.0	432.3	459.1	468.6
57.5°	337.6	367.6	405.5	433.9	443.3
60°	306.1	340.8	378.6	407.0	418.1
62.5°	279.3	310.8	351.8	380.2	389.7
65°	247.7	280.8	323.4	353.4	362.9
67.5°	217.7	252.4	295.0	326.6	336.0
70°	187.7	222.5	268.2	298.2	309.2
72.5°	157.8	194.1	238.2	271.4	282.4
75°	129.4	164.1	211.4	244.5	255.6
77.5°	99.4	137.3	184.6	217.7	230.3
80°	72.6	112.0	159.3	192.5	205.1
82.5°	48.9	88.4	135.7	168.8	181.4
85°	28.4	67.8	115.2	146.7	157.8
87.5°	14.2	52.1	96.2	127.8	138.8
90°	0.0	37.9	80.5	110.4	121.5
92.5°	0.0	36.3	78.9	107.3	118.3
95°	0.0	36.3	77.3	105.7	116.7
97.5°	0.0	34.7	75.7	105.7	115.2
100°	0.0	33.1	75.7	104.1	113.6
102.5°	0.0	31.6	74.2	102.5	112.0
105°	0.0	30.0	72.6	99.4	108.9
107.5°	1.6	30.0	69.4	97.8	107.3
110°	1.6	28.4	66.3	96.2	105.7



TEST NUMBER: P566316

CATALOG NUMBER: 4SNX-33SL-SLW-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	26.8	63.1	93.1	102.5
115°	1.6	26.8	61.5	88.4	99.4
117.5°	1.6	25.2	58.4	85.2	96.2
120°	1.6	25.2	56.8	82.0	91.5
122.5°	1.6	23.7	53.6	78.9	88.4
125°	1.6	22.1	52.1	75.7	85.2
127.5°	1.6	20.5	50.5	72.6	82.0
130°	1.6	18.9	47.3	69.4	77.3
132.5°	1.6	18.9	45.8	64.7	74.2
135°	1.6	17.4	42.6	61.5	69.4
137.5°	1.6	15.8	39.4	58.4	66.3
140°	1.6	14.2	36.3	55.2	61.5
142.5°	1.6	14.2	33.1	50.5	56.8
145°	1.6	12.6	30.0	47.3	52.1
147.5°	1.6	11.0	26.8	42.6	47.3
150°	1.6	11.0	23.7	37.9	42.6
152.5°	1.6	9.5	20.5	34.7	39.4
155°	1.6	7.9	18.9	30.0	34.7
157.5°	1.6	7.9	15.8	25.2	30.0
160°	1.6	6.3	14.2	20.5	25.2
162.5°	1.6	6.3	12.6	17.4	22.1
165°	1.6	4.7	9.5	14.2	17.4
167.5°	1.6	4.7	7.9	11.0	14.2
170°	1.6	3.2	6.3	7.9	11.0
172.5°	1.6	3.2	4.7	4.7	4.7
175°	1.6	1.6	3.2	3.2	1.6
177.5°	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)