

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: P566307

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566307  
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-L935-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

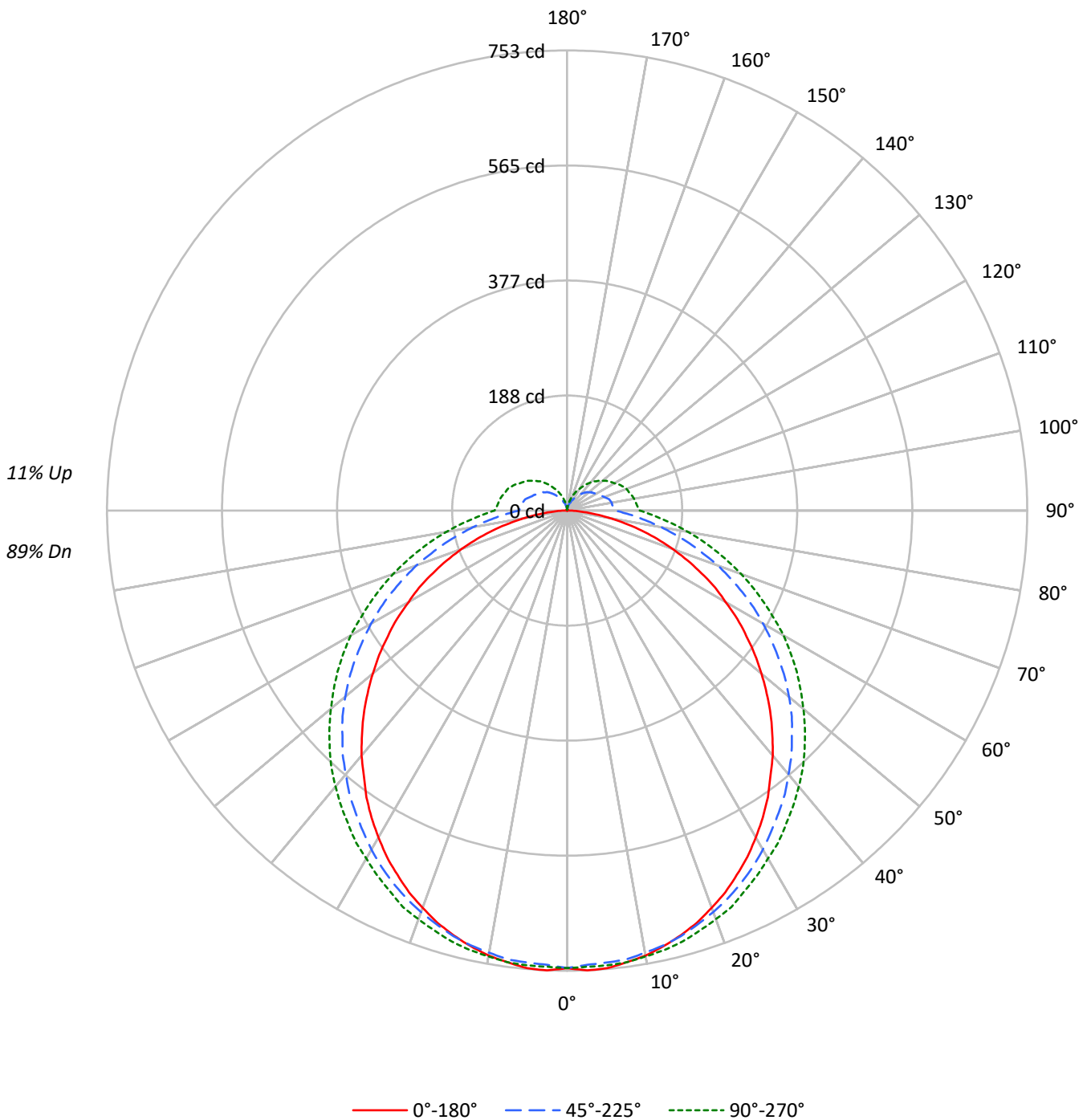
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2665.0 lumens  
Efficiency: N/A  
Efficacy: 126.3 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: 0.17')  
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

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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	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°	8058	8058	8058
5°	8093	7685	7628
10°	8022	7379	7246
15°	7927	7082	6903
20°	7803	6774	6560
25°	7660	6480	6223
30°	7493	6176	5901
35°	7311	5871	5600
40°	7105	5574	5313
45°	6880	5276	5019
50°	6624	4969	4710
55°	6343	4627	4407
60°	6012	4270	4086
65°	5665	3885	3721
70°	5187	3475	3362
75°	4557	2997	2981
80°	3560	2516	2602
85°	2326	2070	2212



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.1	2.7
10°-20°	204.4	7.7
20°-30°	310.8	11.7
30°-40°	377.2	14.2
40°-50°	398.6	15.0
50°-60°	373.0	14.0
60°-70°	306.0	11.5
70°-80°	210.5	7.9
80°-90°	115.3	4.3
90°-100°	74.2	2.8
100°-110°	66.6	2.5
110°-120°	55.1	2.1
120°-130°	42.5	1.6
130°-140°	29.8	1.1
140°-150°	18.0	0.7
150°-160°	8.6	0.3
160°-170°	2.8	0.1
170°-180°	0.3	0.0
0°-30°	586.2	22.0
0°-40°	963.5	36.2
0°-60°	1735.1	65.1
0°-90°	2367.0	88.8
90°-120°	196.0	7.4
90°-150°	286.2	10.7
90°-180°	298.0	11.2
0°-180°	2665.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	752	750	742	749	747	71
15°	719	722	721	730	730	203
25°	658	665	673	687	687	303
35°	573	586	604	620	625	358
45°	471	492	520	543	550	363
55°	358	387	423	449	458	320
65°	242	275	316	346	355	240
75°	127	160	207	239	250	133
85°	28	66	113	144	154	32
90°	0	37	79	108	119	2
95°	0	36	76	103	114	0
105°	0	29	71	97	106	1
115°	2	26	60	86	97	1
125°	2	22	51	74	83	1
135°	2	17	42	60	68	1
145°	2	12	29	46	51	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	748.6	748.6	748.6	748.6	748.6
2.5°	753.2	751.7	744.0	750.1	747.1
5°	751.7	750.1	742.4	748.6	747.1
7.5°	745.5	745.5	740.9	747.1	745.5
10°	739.3	739.3	734.7	742.4	740.9
12.5°	730.1	731.6	728.5	737.8	736.3
15°	719.3	722.4	720.8	730.1	730.1
17.5°	706.9	710.0	710.0	720.8	720.8
20°	691.5	696.1	699.2	711.6	711.6
22.5°	676.1	682.2	686.9	697.7	702.3
25°	657.5	665.3	673.0	686.9	686.9
27.5°	639.0	648.3	657.5	671.4	673.0
30°	617.4	628.2	640.6	654.5	657.5
32.5°	595.8	609.7	622.0	639.0	643.6
35°	572.6	586.5	603.5	620.5	625.1
37.5°	546.4	563.4	585.0	603.5	608.1
40°	523.3	541.8	563.4	585.0	589.6
42.5°	497.0	517.1	543.3	563.4	571.1
45°	470.8	492.4	520.2	543.3	549.5
47.5°	443.0	467.7	498.6	520.2	527.9
50°	415.2	441.4	473.9	498.6	504.7
52.5°	387.4	415.2	449.2	473.9	481.6
55°	358.1	387.4	422.9	449.2	458.4
57.5°	330.3	359.6	396.7	424.5	433.7
60°	299.4	333.4	370.4	398.2	409.0
62.5°	273.2	304.1	344.2	372.0	381.2
65°	242.3	274.7	316.4	345.7	355.0
67.5°	213.0	247.0	288.6	319.5	328.8
70°	183.7	217.6	262.4	291.7	302.5
72.5°	154.4	189.9	233.1	265.5	276.3
75°	126.6	160.5	206.8	239.2	250.0
77.5°	97.2	134.3	180.6	213.0	225.4
80°	71.0	109.6	155.9	188.3	200.7
82.5°	47.8	86.4	132.7	165.2	177.5
85°	27.8	66.4	112.7	143.5	154.4
87.5°	13.9	50.9	94.2	125.0	135.8
90°	0.0	37.0	78.7	108.0	118.9
92.5°	0.0	35.5	77.2	105.0	115.8
95°	0.0	35.5	75.6	103.4	114.2
97.5°	0.0	34.0	74.1	103.4	112.7
100°	0.0	32.4	74.1	101.9	111.1
102.5°	0.0	30.9	72.5	100.3	109.6
105°	0.0	29.3	71.0	97.2	106.5
107.5°	1.5	29.3	67.9	95.7	105.0
110°	1.5	27.8	64.8	94.2	103.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	26.2	61.7	91.1	100.3
115°	1.5	26.2	60.2	86.4	97.2
117.5°	1.5	24.7	57.1	83.3	94.2
120°	1.5	24.7	55.6	80.3	89.5
122.5°	1.5	23.2	52.5	77.2	86.4
125°	1.5	21.6	50.9	74.1	83.3
127.5°	1.5	20.1	49.4	71.0	80.3
130°	1.5	18.5	46.3	67.9	75.6
132.5°	1.5	18.5	44.8	63.3	72.5
135°	1.5	17.0	41.7	60.2	67.9
137.5°	1.5	15.4	38.6	57.1	64.8
140°	1.5	13.9	35.5	54.0	60.2
142.5°	1.5	13.9	32.4	49.4	55.6
145°	1.5	12.3	29.3	46.3	50.9
147.5°	1.5	10.8	26.2	41.7	46.3
150°	1.5	10.8	23.2	37.0	41.7
152.5°	1.5	9.3	20.1	34.0	38.6
155°	1.5	7.7	18.5	29.3	34.0
157.5°	1.5	7.7	15.4	24.7	29.3
160°	1.5	6.2	13.9	20.1	24.7
162.5°	1.5	6.2	12.3	17.0	21.6
165°	1.5	4.6	9.3	13.9	17.0
167.5°	1.5	4.6	7.7	10.8	13.9
170°	1.5	3.1	6.2	7.7	10.8
172.5°	1.5	3.1	4.6	4.6	4.6
175°	1.5	1.5	3.1	3.1	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)