

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: P566286

Luminaire Tested: **4SNX-33SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-33SL-LC-UNV-L830-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

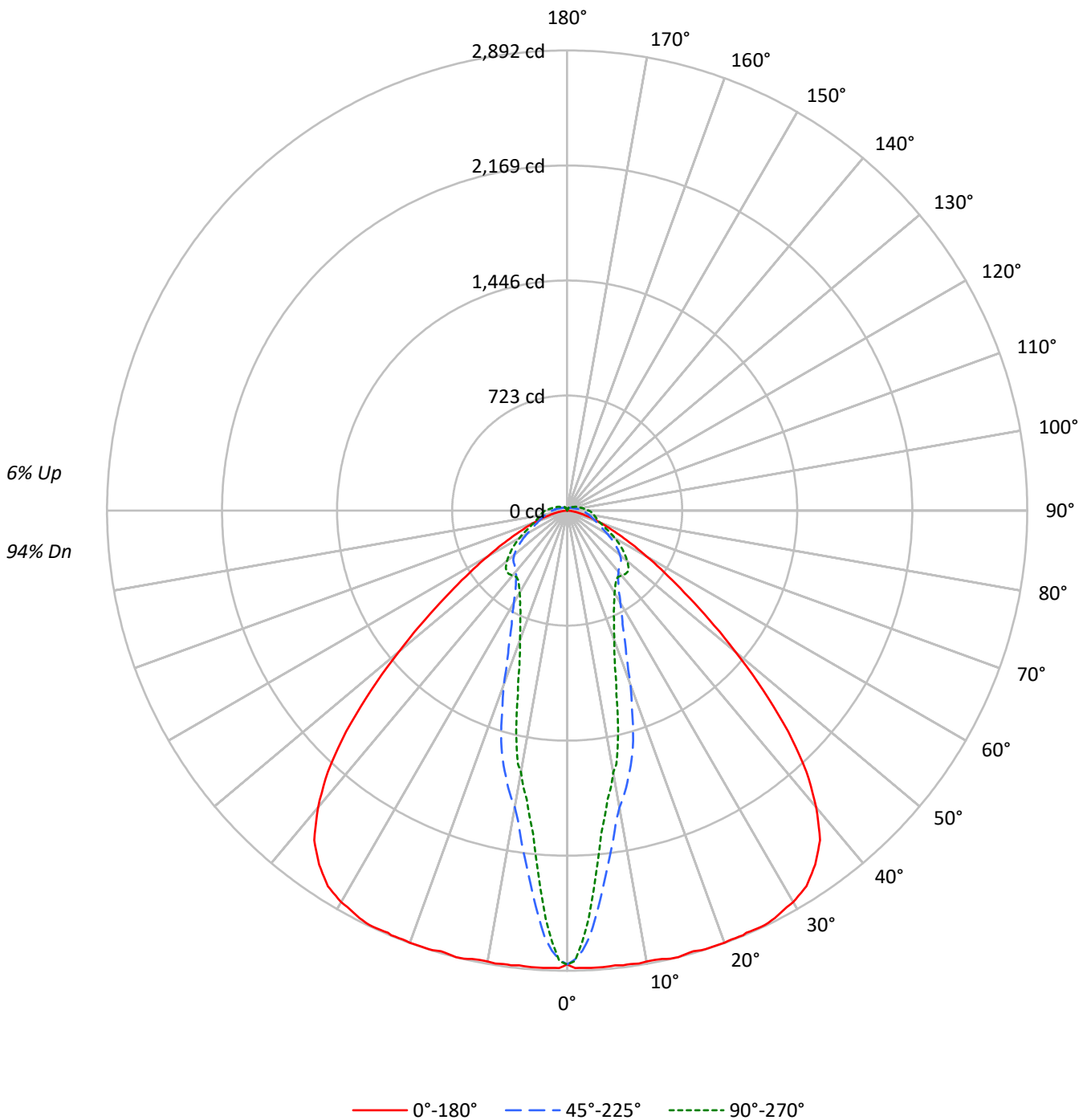
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3515.9 lumens  
Efficiency: N/A  
Efficacy: 166.6 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
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

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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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	30702	30702	30702
5°	30980	25217	22572
10°	31223	19037	16336
15°	31792	15561	11312
20°	32612	11260	7989
25°	33630	8067	6285
30°	34488	6445	5352
35°	34693	5452	4795
40°	33074	4956	4806
45°	28701	4788	4938
50°	22019	4553	4607
55°	15957	3982	4088
60°	11577	3323	3457
65°	8426	2810	2833
70°	6207	2482	2443
75°	4409	2299	2277
80°	2893	2151	2243
85°	1355	2051	2246



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.3	6.4
10°-20°	487.1	13.9
20°-30°	557.6	15.9
30°-40°	558.6	15.9
40°-50°	528.7	15.0
50°-60°	405.5	11.5
60°-70°	261.4	7.4
70°-80°	166.7	4.7
80°-90°	110.7	3.1
90°-100°	74.4	2.1
100°-110°	49.0	1.4
110°-120°	34.1	1.0
120°-130°	23.8	0.7
130°-140°	16.5	0.5
140°-150°	10.1	0.3
150°-160°	5.1	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1269.0	36.1
0°-40°	1827.6	52.0
0°-60°	2761.8	78.6
0°-90°	3300.6	93.9
90°-120°	157.5	4.5
90°-150°	207.9	5.9
90°-180°	215.0	6.1
0°-180°	3515.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2852	2852	2852	2852	2852	
5°	2878	2719	2436	2272	2211	275
15°	2885	2078	1584	1301	1196	818
25°	2887	1470	838	728	694	1331
35°	2717	818	560	542	535	1686
45°	1964	517	472	522	541	1493
55°	901	369	364	409	425	828
65°	360	232	229	261	270	371
75°	122	126	159	182	191	135
85°	16	58	112	146	157	22
90°	0	40	94	130	135	1
95°	0	29	78	106	112	0
105°	0	22	50	72	78	1
115°	2	18	38	52	56	2
125°	2	16	32	38	40	2
135°	2	13	25	31	32	1
145°	2	9	18	23	25	1
155°	2	5	11	16	18	1
165°	4	4	7	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2852.3	2852.3	2852.3	2852.3	2852.3
1°	2875.8	2859.6	2821.7	2832.5	2830.7
2°	2875.8	2841.5	2767.7	2746.0	2713.6
3°	2877.6	2810.9	2684.8	2614.5	2569.5
4°	2877.6	2765.9	2562.2	2445.1	2387.5
5°	2877.6	2719.0	2436.1	2272.1	2210.9
6°	2874.0	2663.2	2308.2	2135.2	2043.3
7°	2879.4	2601.9	2192.9	2007.3	1935.2
8°	2877.6	2529.8	2086.6	1910.0	1830.7
9°	2883.0	2459.5	1971.2	1818.1	1758.6
10°	2877.6	2394.7	1895.6	1731.6	1670.3
11°	2877.6	2331.6	1841.5	1675.7	1623.5
12°	2881.2	2259.5	1782.0	1596.5	1524.4
13°	2890.2	2185.7	1713.6	1510.0	1425.3
14°	2892.0	2129.8	1650.5	1400.0	1311.8
15°	2884.8	2077.5	1583.8	1300.9	1196.4
16°	2881.2	2023.5	1504.6	1207.2	1113.6
17°	2888.4	1960.4	1414.5	1111.7	1025.3
18°	2890.2	1902.8	1319.0	1039.7	964.0
19°	2890.2	1857.7	1241.5	973.0	908.1
20°	2890.2	1814.5	1162.2	922.6	866.7
21°	2886.6	1760.4	1072.1	870.3	823.5
22.5°	2888.4	1659.5	969.4	809.0	771.2
23°	2883.0	1634.3	944.2	792.8	753.2
24°	2884.8	1562.2	890.1	760.4	722.5
25°	2886.6	1470.3	837.9	728.0	693.7
26°	2883.0	1396.4	794.6	697.3	673.9
27°	2874.0	1337.0	764.0	672.1	650.5
28°	2861.4	1257.7	731.6	650.5	630.7
29°	2848.7	1167.6	699.1	627.0	612.6
30°	2841.5	1095.5	668.5	609.0	596.4
32.5°	2798.3	953.2	605.4	573.0	562.2
35°	2717.2	818.0	560.4	542.4	535.2
37.5°	2610.9	713.5	526.1	522.5	524.3
40°	2436.1	630.7	500.9	517.1	533.4
42.5°	2227.1	565.8	482.9	522.5	540.6
45°	1964.0	517.1	472.1	522.5	540.6
47.5°	1672.1	477.5	459.5	504.5	522.5
50°	1380.2	441.5	434.2	477.5	493.7
52.5°	1122.6	407.2	401.8	443.3	459.5
55°	900.9	369.4	364.0	409.0	425.2
57.5°	722.5	333.3	327.9	369.4	385.6
60°	576.6	297.3	288.3	329.7	346.0
62.5°	459.5	263.1	257.7	293.7	308.1
65°	360.4	232.4	228.8	261.3	270.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	284.7	203.6	205.4	232.4	243.3
70°	219.8	176.6	187.4	212.6	219.8
72.5°	165.8	149.6	173.0	194.6	203.6
75°	122.5	126.1	158.6	182.0	191.0
77.5°	84.7	104.5	146.0	171.2	180.2
80°	57.7	84.7	133.3	162.2	173.0
82.5°	34.2	70.3	122.5	153.2	165.8
85°	16.2	57.7	111.7	146.0	156.8
87.5°	5.4	46.8	100.9	138.7	147.8
90°	0.0	39.6	93.7	129.7	135.1
92.5°	0.0	34.2	84.7	118.9	122.5
95°	0.0	28.8	77.5	106.3	111.7
97.5°	0.0	27.0	72.1	95.5	102.7
100°	0.0	25.2	64.9	86.5	93.7
102.5°	0.0	21.6	57.7	77.5	84.7
105°	0.0	21.6	50.5	72.1	77.5
107.5°	1.8	19.8	46.8	64.9	72.1
110°	1.8	19.8	41.4	61.3	66.7
112.5°	1.8	19.8	39.6	55.9	63.1
115°	1.8	18.0	37.8	52.3	55.9
117.5°	1.8	18.0	36.0	46.8	50.5
120°	1.8	16.2	34.2	43.2	45.0
122.5°	1.8	16.2	32.4	39.6	41.4
125°	1.8	16.2	32.4	37.8	39.6
127.5°	1.8	14.4	30.6	36.0	36.0
130°	1.8	14.4	28.8	34.2	34.2
132.5°	1.8	12.6	27.0	32.4	34.2
135°	1.8	12.6	25.2	30.6	32.4
137.5°	1.8	10.8	23.4	28.8	30.6
140°	1.8	10.8	21.6	27.0	28.8
142.5°	1.8	9.0	19.8	25.2	27.0
145°	1.8	9.0	18.0	23.4	25.2
147.5°	1.8	9.0	16.2	21.6	23.4
150°	1.8	7.2	14.4	19.8	21.6
152.5°	1.8	7.2	12.6	18.0	19.8
155°	1.8	5.4	10.8	16.2	18.0
157.5°	1.8	5.4	10.8	14.4	16.2
160°	3.6	5.4	9.0	12.6	14.4
162.5°	1.8	3.6	9.0	10.8	12.6
165°	3.6	3.6	7.2	9.0	10.8
167.5°	3.6	3.6	5.4	7.2	9.0
170°	3.6	3.6	5.4	5.4	7.2
172.5°	3.6	3.6	3.6	5.4	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	3.6	1.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)