

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: P566287

Luminaire Tested: **4SNX-33SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566287  
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-L835-CD  
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

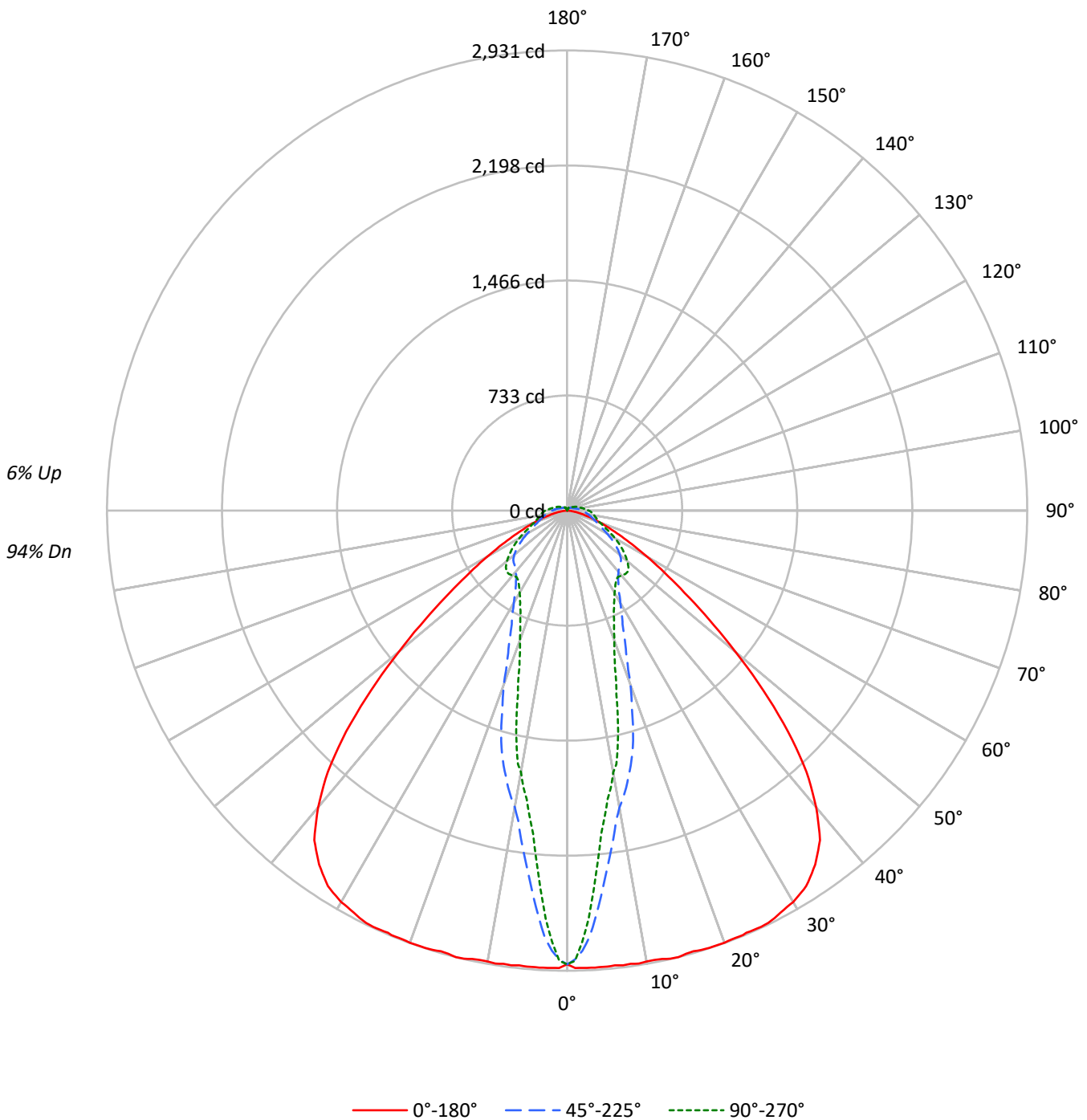
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3563.0 lumens  
Efficiency: N/A  
Efficacy: 168.9 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

TEST NUMBER: P566287  
CATALOG NUMBER: 4SNX-33SL-LC-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P566287

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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	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°	31113	31113	31113
5°	31393	25555	22873
10°	31639	19292	16555
15°	32216	15769	11463
20°	33047	11410	8096
25°	34079	8175	6369
30°	34949	6531	5424
35°	35156	5525	4858
40°	33517	5022	4870
45°	29085	4852	5003
50°	22314	4615	4669
55°	16171	4035	4142
60°	11732	3368	3503
65°	8539	2848	2871
70°	6292	2515	2476
75°	4470	2329	2308
80°	2928	2180	2273
85°	1372	2079	2277



TEST NUMBER: P566287

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.3	6.4
10°-20°	493.6	13.9
20°-30°	565.0	15.9
30°-40°	566.0	15.9
40°-50°	535.8	15.0
50°-60°	410.9	11.5
60°-70°	264.9	7.4
70°-80°	168.9	4.7
80°-90°	112.2	3.1
90°-100°	75.4	2.1
100°-110°	49.7	1.4
110°-120°	34.6	1.0
120°-130°	24.1	0.7
130°-140°	16.7	0.5
140°-150°	10.2	0.3
150°-160°	5.2	0.1
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1286.0	36.1
0°-40°	1852.0	52.0
0°-60°	2798.8	78.6
0°-90°	3344.7	93.9
90°-120°	159.6	4.5
90°-150°	210.7	5.9
90°-180°	218.0	6.1
0°-180°	3563.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2916	2755	2469	2302	2240	278
15°	2923	2105	1605	1318	1212	829
25°	2925	1490	849	738	703	1349
35°	2754	829	568	550	542	1708
45°	1990	524	478	530	548	1513
55°	913	374	369	414	431	840
65°	365	236	232	265	274	376
75°	124	128	161	184	194	137
85°	16	58	113	148	159	23
90°	0	40	95	132	137	1
95°	0	29	78	108	113	0
105°	0	22	51	73	78	1
115°	2	18	38	53	57	2
125°	2	16	33	38	40	2
135°	2	13	26	31	33	1
145°	2	9	18	24	26	1
155°	2	6	11	16	18	1
165°	4	4	7	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



TEST NUMBER: P566287

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2890.5	2890.5	2890.5	2890.5	2890.5
1°	2914.2	2897.8	2859.4	2870.4	2868.6
2°	2914.2	2879.5	2804.7	2782.7	2749.9
3°	2916.0	2848.5	2720.7	2649.5	2603.8
4°	2916.0	2802.8	2596.5	2477.8	2419.4
5°	2916.0	2755.4	2468.7	2302.5	2240.4
6°	2912.4	2698.8	2339.0	2163.8	2070.6
7°	2917.9	2636.7	2222.2	2034.1	1961.1
8°	2916.0	2563.6	2114.4	1935.5	1855.2
9°	2921.5	2492.4	1997.6	1842.4	1782.1
10°	2916.0	2426.7	1920.9	1754.7	1692.7
11°	2916.0	2362.8	1866.1	1698.1	1645.2
12°	2919.7	2289.7	1805.9	1617.8	1544.8
13°	2928.8	2214.9	1736.5	1530.1	1444.3
14°	2930.6	2158.3	1672.6	1418.8	1329.3
15°	2923.3	2105.3	1605.0	1318.3	1212.4
16°	2919.7	2050.5	1524.7	1223.4	1128.4
17°	2927.0	1986.6	1433.4	1126.6	1039.0
18°	2928.8	1928.2	1336.6	1053.6	976.9
19°	2928.8	1882.6	1258.1	986.0	920.3
20°	2928.8	1838.7	1177.7	934.9	878.3
21°	2925.2	1784.0	1086.4	881.9	834.5
22.5°	2927.0	1681.7	982.4	819.9	781.5
23°	2921.5	1656.1	956.8	803.4	763.2
24°	2923.3	1583.1	902.0	770.6	732.2
25°	2925.2	1490.0	849.1	737.7	703.0
26°	2921.5	1415.1	805.2	706.6	682.9
27°	2912.4	1354.9	774.2	681.1	659.2
28°	2899.6	1274.5	741.3	659.2	639.1
29°	2886.8	1183.2	708.5	635.4	620.8
30°	2879.5	1110.2	677.4	617.2	604.4
32.5°	2835.7	965.9	613.5	580.7	569.7
35°	2753.5	829.0	567.9	549.6	542.3
37.5°	2645.8	723.1	533.2	529.5	531.4
40°	2468.7	639.1	507.6	524.0	540.5
42.5°	2256.9	573.3	489.4	529.5	547.8
45°	1990.3	524.0	478.4	529.5	547.8
47.5°	1694.5	483.9	465.6	511.3	529.5
50°	1398.7	447.4	440.1	483.9	500.3
52.5°	1137.6	412.7	407.2	449.2	465.6
55°	913.0	374.3	368.8	414.5	430.9
57.5°	732.2	337.8	332.3	374.3	390.8
60°	584.3	301.3	292.2	334.1	350.6
62.5°	465.6	266.6	261.1	297.6	312.2
65°	365.2	235.5	231.9	264.8	273.9



TEST NUMBER: P566287

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	288.5	206.3	208.2	235.5	246.5
70°	222.8	178.9	189.9	215.5	222.8
72.5°	168.0	151.6	175.3	197.2	206.3
75°	124.2	127.8	160.7	184.4	193.6
77.5°	85.8	105.9	147.9	173.5	182.6
80°	58.4	85.8	135.1	164.3	175.3
82.5°	34.7	71.2	124.2	155.2	168.0
85°	16.4	58.4	113.2	147.9	158.9
87.5°	5.5	47.5	102.3	140.6	149.7
90°	0.0	40.2	94.9	131.5	136.9
92.5°	0.0	34.7	85.8	120.5	124.2
95°	0.0	29.2	78.5	107.7	113.2
97.5°	0.0	27.4	73.0	96.8	104.1
100°	0.0	25.6	65.7	87.6	94.9
102.5°	0.0	21.9	58.4	78.5	85.8
105°	0.0	21.9	51.1	73.0	78.5
107.5°	1.8	20.1	47.5	65.7	73.0
110°	1.8	20.1	42.0	62.1	67.6
112.5°	1.8	20.1	40.2	56.6	63.9
115°	1.8	18.3	38.3	53.0	56.6
117.5°	1.8	18.3	36.5	47.5	51.1
120°	1.8	16.4	34.7	43.8	45.6
122.5°	1.8	16.4	32.9	40.2	42.0
125°	1.8	16.4	32.9	38.3	40.2
127.5°	1.8	14.6	31.0	36.5	36.5
130°	1.8	14.6	29.2	34.7	34.7
132.5°	1.8	12.8	27.4	32.9	34.7
135°	1.8	12.8	25.6	31.0	32.9
137.5°	1.8	11.0	23.7	29.2	31.0
140°	1.8	11.0	21.9	27.4	29.2
142.5°	1.8	9.1	20.1	25.6	27.4
145°	1.8	9.1	18.3	23.7	25.6
147.5°	1.8	9.1	16.4	21.9	23.7
150°	1.8	7.3	14.6	20.1	21.9
152.5°	1.8	7.3	12.8	18.3	20.1
155°	1.8	5.5	11.0	16.4	18.3
157.5°	1.8	5.5	11.0	14.6	16.4
160°	3.7	5.5	9.1	12.8	14.6
162.5°	1.8	3.7	9.1	11.0	12.8
165°	3.7	3.7	7.3	9.1	11.0
167.5°	3.7	3.7	5.5	7.3	9.1
170°	3.7	3.7	5.5	5.5	7.3
172.5°	3.7	3.7	3.7	5.5	3.7
175°	3.7	3.7	3.7	3.7	1.8
177.5°	3.7	3.7	3.7	3.7	1.8



TEST NUMBER: P566287

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)