

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: P566289

Luminaire Tested: **4SNX-33SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566289
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-L850-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

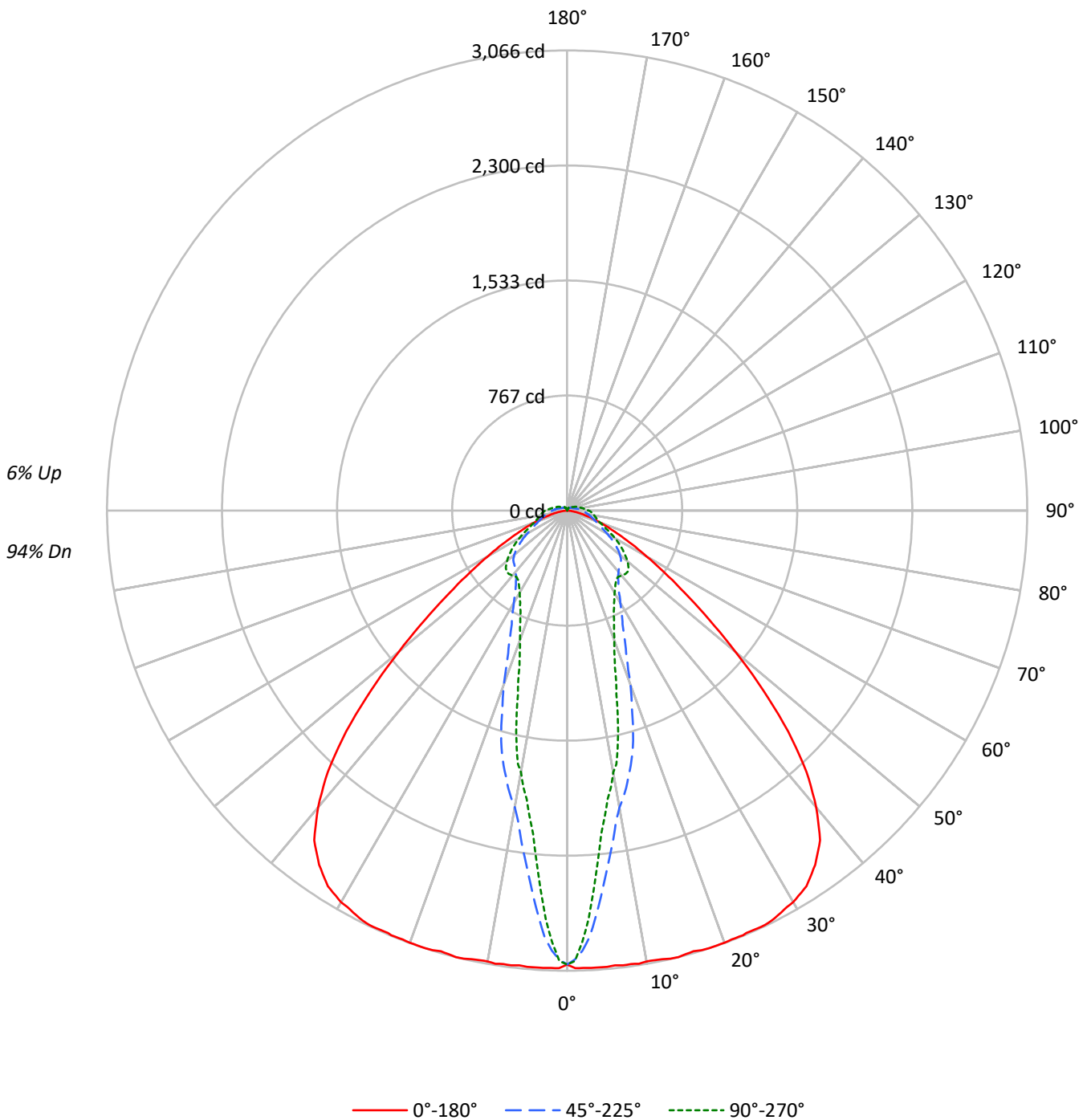
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3728.0 lumens
Efficiency: N/A
Efficacy: 176.7 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°	32553	32553	32553
5°	32847	26738	23933
10°	33105	20185	17321
15°	33709	16499	11994
20°	34579	11939	8471
25°	35657	8553	6664
30°	36568	6834	5676
35°	36784	5781	5083
40°	35068	5254	5096
45°	30433	5077	5235
50°	23346	4828	4885
55°	16921	4222	4335
60°	12276	3524	3665
65°	8934	2979	3004
70°	6582	2632	2591
75°	4675	2436	2414
80°	3063	2282	2378
85°	1439	2176	2381



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.8	6.4
10°-20°	516.5	13.9
20°-30°	591.2	15.9
30°-40°	592.2	15.9
40°-50°	560.6	15.0
50°-60°	430.0	11.5
60°-70°	277.1	7.4
70°-80°	176.7	4.7
80°-90°	117.4	3.1
90°-100°	78.9	2.1
100°-110°	52.0	1.4
110°-120°	36.2	1.0
120°-130°	25.2	0.7
130°-140°	17.5	0.5
140°-150°	10.7	0.3
150°-160°	5.4	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1345.5	36.1
0°-40°	1937.8	52.0
0°-60°	2928.4	78.6
0°-90°	3499.6	93.9
90°-120°	167.0	4.5
90°-150°	220.5	5.9
90°-180°	228.0	6.1
0°-180°	3728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3024	3024	3024	3024	3024	
5°	3051	2883	2583	2409	2344	291
15°	3059	2203	1679	1379	1269	868
25°	3061	1559	888	772	736	1411
35°	2881	867	594	575	567	1788
45°	2082	548	501	554	573	1583
55°	955	392	386	434	451	878
65°	382	246	243	277	287	393
75°	130	134	168	193	202	143
85°	17	61	118	155	166	24
90°	0	42	99	138	143	1
95°	0	31	82	113	118	0
105°	0	23	54	76	82	1
115°	2	19	40	55	59	2
125°	2	17	34	40	42	2
135°	2	13	27	32	34	1
145°	2	10	19	25	27	1
155°	2	6	12	17	19	1
165°	4	4	8	10	12	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°	3024.3	3024.3	3024.3	3024.3	3024.3
1°	3049.2	3032.0	2991.9	3003.3	3001.4
2°	3049.2	3012.9	2934.5	2911.6	2877.2
3°	3051.1	2980.4	2846.7	2772.1	2724.4
4°	3051.1	2932.6	2716.7	2592.6	2531.4
5°	3051.1	2883.0	2583.0	2409.2	2344.2
6°	3047.3	2823.7	2447.4	2264.0	2166.5
7°	3053.0	2758.8	2325.1	2128.3	2051.9
8°	3051.1	2682.4	2212.4	2025.1	1941.1
9°	3056.8	2607.8	2090.1	1927.7	1864.7
10°	3051.1	2539.1	2009.9	1836.0	1771.0
11°	3051.1	2472.2	1952.5	1776.8	1721.4
12°	3054.9	2395.8	1889.5	1692.7	1616.3
13°	3064.5	2317.4	1816.9	1601.0	1511.2
14°	3066.4	2258.2	1750.0	1484.5	1390.8
15°	3058.7	2202.8	1679.3	1379.4	1268.6
16°	3054.9	2145.5	1595.3	1280.0	1180.7
17°	3062.5	2078.6	1499.7	1178.8	1087.1
18°	3064.5	2017.5	1398.5	1102.4	1022.1
19°	3064.5	1969.7	1316.3	1031.7	962.9
20°	3064.5	1923.9	1232.3	978.2	919.0
21°	3060.6	1866.6	1136.8	922.8	873.1
22.5°	3062.5	1759.6	1027.9	857.8	817.7
23°	3056.8	1732.8	1001.1	840.6	798.6
24°	3058.7	1656.4	943.8	806.2	766.1
25°	3060.6	1559.0	888.4	771.8	735.5
26°	3056.8	1480.6	842.5	739.4	714.5
27°	3047.3	1417.6	810.1	712.6	689.7
28°	3033.9	1333.5	775.7	689.7	668.7
29°	3020.5	1238.0	741.3	664.9	649.6
30°	3012.9	1161.6	708.8	645.8	632.4
32.5°	2967.0	1010.7	641.9	607.5	596.1
35°	2881.0	867.4	594.2	575.1	567.4
37.5°	2768.3	756.6	557.9	554.0	556.0
40°	2583.0	668.7	531.1	548.3	565.5
42.5°	2361.4	599.9	512.0	554.0	573.2
45°	2082.5	548.3	500.6	554.0	573.2
47.5°	1773.0	506.3	487.2	534.9	554.0
50°	1463.4	468.1	460.4	506.3	523.5
52.5°	1190.2	431.8	426.0	470.0	487.2
55°	955.3	391.7	385.9	433.7	450.9
57.5°	766.1	353.4	347.7	391.7	408.8
60°	611.4	315.2	305.7	349.6	366.8
62.5°	487.2	278.9	273.2	311.4	326.7
65°	382.1	246.5	242.6	277.0	286.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	301.9	215.9	217.8	246.5	257.9
70°	233.1	187.2	198.7	225.4	233.1
72.5°	175.8	158.6	183.4	206.3	215.9
75°	129.9	133.7	168.1	193.0	202.5
77.5°	89.8	110.8	154.8	181.5	191.1
80°	61.1	89.8	141.4	171.9	183.4
82.5°	36.3	74.5	129.9	162.4	175.8
85°	17.2	61.1	118.5	154.8	166.2
87.5°	5.7	49.7	107.0	147.1	156.7
90°	0.0	42.0	99.3	137.6	143.3
92.5°	0.0	36.3	89.8	126.1	129.9
95°	0.0	30.6	82.2	112.7	118.5
97.5°	0.0	28.7	76.4	101.3	108.9
100°	0.0	26.7	68.8	91.7	99.3
102.5°	0.0	22.9	61.1	82.2	89.8
105°	0.0	22.9	53.5	76.4	82.2
107.5°	1.9	21.0	49.7	68.8	76.4
110°	1.9	21.0	43.9	65.0	70.7
112.5°	1.9	21.0	42.0	59.2	66.9
115°	1.9	19.1	40.1	55.4	59.2
117.5°	1.9	19.1	38.2	49.7	53.5
120°	1.9	17.2	36.3	45.9	47.8
122.5°	1.9	17.2	34.4	42.0	43.9
125°	1.9	17.2	34.4	40.1	42.0
127.5°	1.9	15.3	32.5	38.2	38.2
130°	1.9	15.3	30.6	36.3	36.3
132.5°	1.9	13.4	28.7	34.4	36.3
135°	1.9	13.4	26.7	32.5	34.4
137.5°	1.9	11.5	24.8	30.6	32.5
140°	1.9	11.5	22.9	28.7	30.6
142.5°	1.9	9.6	21.0	26.7	28.7
145°	1.9	9.6	19.1	24.8	26.7
147.5°	1.9	9.6	17.2	22.9	24.8
150°	1.9	7.6	15.3	21.0	22.9
152.5°	1.9	7.6	13.4	19.1	21.0
155°	1.9	5.7	11.5	17.2	19.1
157.5°	1.9	5.7	11.5	15.3	17.2
160°	3.8	5.7	9.6	13.4	15.3
162.5°	1.9	3.8	9.6	11.5	13.4
165°	3.8	3.8	7.6	9.6	11.5
167.5°	3.8	3.8	5.7	7.6	9.6
170°	3.8	3.8	5.7	5.7	7.6
172.5°	3.8	3.8	3.8	5.7	3.8
175°	3.8	3.8	3.8	3.8	1.9
177.5°	3.8	3.8	3.8	3.8	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)