

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: P566281

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-FDL-UNV-L850-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

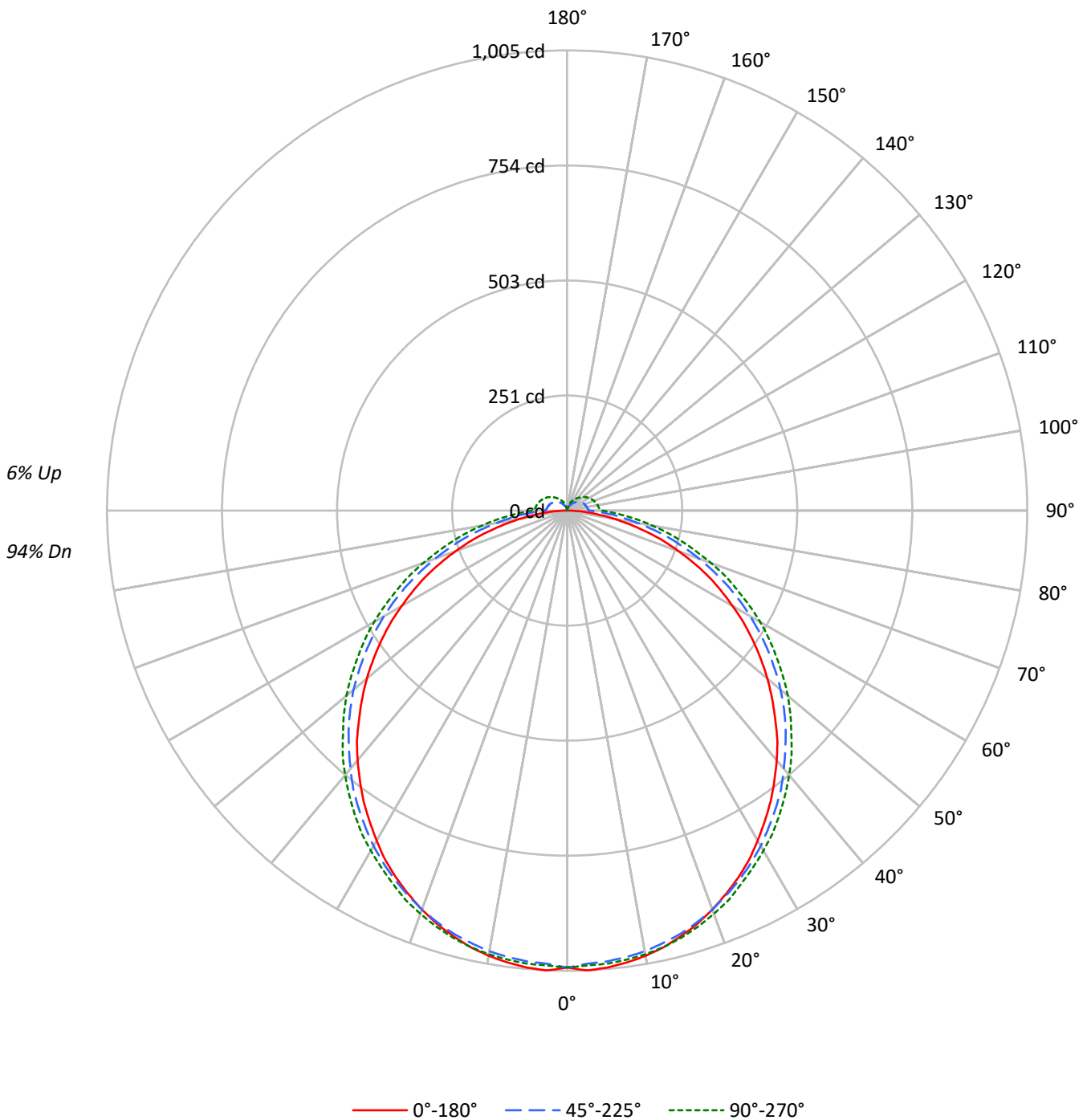
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3171.0 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (A_{in}): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10741	10741	10741
5°	10815	10563	10579
10°	10770	10449	10446
15°	10689	10317	10297
20°	10580	10157	10121
25°	10453	9981	9914
30°	10282	9803	9722
35°	10109	9592	9522
40°	9918	9361	9296
45°	9678	9132	9034
50°	9446	8870	8795
55°	9159	8546	8461
60°	8835	8175	8134
65°	8493	7734	7682
70°	7903	7179	7212
75°	7194	6525	6651
80°	6146	5658	6029
85°	4834	4907	5301



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	3.0
10°-20°	271.6	8.6
20°-30°	411.5	13.0
30°-40°	496.8	15.7
40°-50°	518.8	16.4
50°-60°	476.6	15.0
60°-70°	376.9	11.9
70°-80°	238.5	7.5
80°-90°	102.5	3.2
90°-100°	45.1	1.4
100°-110°	40.4	1.3
110°-120°	34.1	1.1
120°-130°	26.6	0.8
130°-140°	18.4	0.6
140°-150°	11.0	0.3
150°-160°	5.4	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	777.7	24.5
0°-40°	1274.5	40.2
0°-60°	2269.9	71.6
0°-90°	2987.8	94.2
90°-120°	119.6	3.8
90°-150°	175.7	5.5
90°-180°	183.0	5.8
0°-180°	3171.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	1002	999	988	997	993	95
15°	962	962	957	967	965	271
25°	884	888	890	901	900	407
35°	775	784	794	806	809	484
45°	642	658	675	688	692	496
55°	495	516	537	554	558	443
65°	341	360	385	403	409	336
75°	180	201	230	250	259	190
85°	44	67	97	117	125	48
90°	3	24	49	69	76	4
95°	1	21	45	63	70	0
105°	1	19	42	59	65	1
115°	1	16	38	53	59	1
125°	1	15	32	46	51	1
135°	1	11	26	36	41	1
145°	1	8	18	28	30	1
155°	1	6	12	17	21	1
165°	2	4	6	8	12	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°	997.9	997.9	997.9	997.9	997.9
2.5°	1005.2	1001.8	990.6	998.4	994.5
5°	1001.8	999.0	988.3	996.7	993.4
7.5°	995.6	993.4	983.8	992.8	989.4
10°	987.2	985.5	977.1	986.1	983.8
12.5°	976.5	976.0	967.5	977.6	976.0
15°	961.9	961.9	956.9	967.0	965.3
17.5°	946.2	946.8	942.8	953.5	952.4
20°	927.1	929.9	927.1	938.3	937.2
22.5°	906.3	910.3	909.1	920.4	920.9
25°	884.4	888.4	889.5	901.3	899.6
27.5°	860.3	866.5	868.7	879.4	878.8
30°	832.2	840.6	845.7	854.7	857.5
32.5°	803.6	813.7	819.8	832.2	835.6
35°	774.9	783.9	794.0	806.4	809.2
37.5°	743.5	753.6	767.1	778.9	782.2
40°	712.0	723.3	736.2	749.1	754.1
42.5°	679.5	691.3	705.3	720.5	725.5
45°	642.4	658.1	675.0	687.9	692.4
47.5°	607.0	624.4	642.4	656.4	661.5
50°	571.1	589.6	608.7	621.6	629.5
52.5°	533.5	553.7	572.8	589.1	594.1
55°	495.3	515.5	536.8	554.2	558.2
57.5°	458.2	477.9	499.2	515.5	523.4
60°	417.8	439.1	462.1	478.4	486.9
62.5°	378.5	399.3	424.0	441.4	448.1
65°	340.9	359.9	385.2	403.2	409.4
67.5°	299.3	321.2	345.3	366.1	374.0
70°	258.3	279.1	306.6	326.3	334.1
72.5°	220.1	240.3	267.9	287.5	294.8
75°	179.7	201.0	230.2	249.9	259.4
77.5°	140.9	164.5	192.6	213.9	224.6
80°	105.0	125.8	156.1	179.7	189.2
82.5°	71.3	93.8	125.2	147.1	157.8
85°	43.8	67.4	96.6	117.4	124.7
87.5°	20.8	43.2	70.2	90.4	99.4
90°	2.8	24.1	49.4	69.1	76.4
92.5°	0.6	20.8	45.5	64.0	70.8
95°	0.6	20.8	44.9	62.9	69.6
97.5°	0.6	20.2	44.4	62.3	68.5
100°	0.6	19.7	43.8	61.2	67.9
102.5°	0.6	19.7	42.7	60.1	66.3
105°	0.6	19.1	42.1	59.0	65.1
107.5°	0.6	18.5	41.0	57.8	64.0
110°	0.6	17.4	40.4	56.2	62.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	16.8	39.3	55.0	60.6
115°	0.6	16.3	38.2	53.3	59.0
117.5°	0.6	15.7	36.5	51.7	57.3
120°	1.1	15.7	35.4	50.0	55.0
122.5°	1.1	15.2	33.7	47.7	52.8
125°	1.1	14.6	32.0	46.0	51.1
127.5°	1.1	14.0	30.3	43.8	48.3
130°	1.1	12.9	29.2	41.6	46.0
132.5°	1.1	12.4	27.5	38.7	43.2
135°	1.1	11.2	25.8	36.5	41.0
137.5°	1.1	10.7	24.1	34.3	38.2
140°	1.1	10.1	21.9	32.0	35.9
142.5°	1.1	9.0	20.2	29.8	33.1
145°	1.1	8.4	18.0	27.5	30.3
147.5°	1.1	7.3	16.3	25.3	28.1
150°	1.1	6.7	14.6	23.0	25.8
152.5°	1.1	6.2	12.9	20.2	23.0
155°	1.1	5.6	11.8	17.4	20.8
157.5°	1.1	5.1	10.1	15.2	18.5
160°	1.7	4.5	9.0	12.9	15.7
162.5°	1.7	3.9	7.3	10.7	14.0
165°	1.7	3.9	6.2	8.4	11.8
167.5°	1.7	3.4	5.1	6.7	9.5
170°	1.7	2.8	4.5	5.1	7.3
172.5°	1.7	2.2	3.4	3.4	3.9
175°	1.7	2.2	2.8	2.8	1.7
177.5°	1.7	1.7	1.7	1.7	1.1
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)