

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: P566278

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566278
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-L830-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

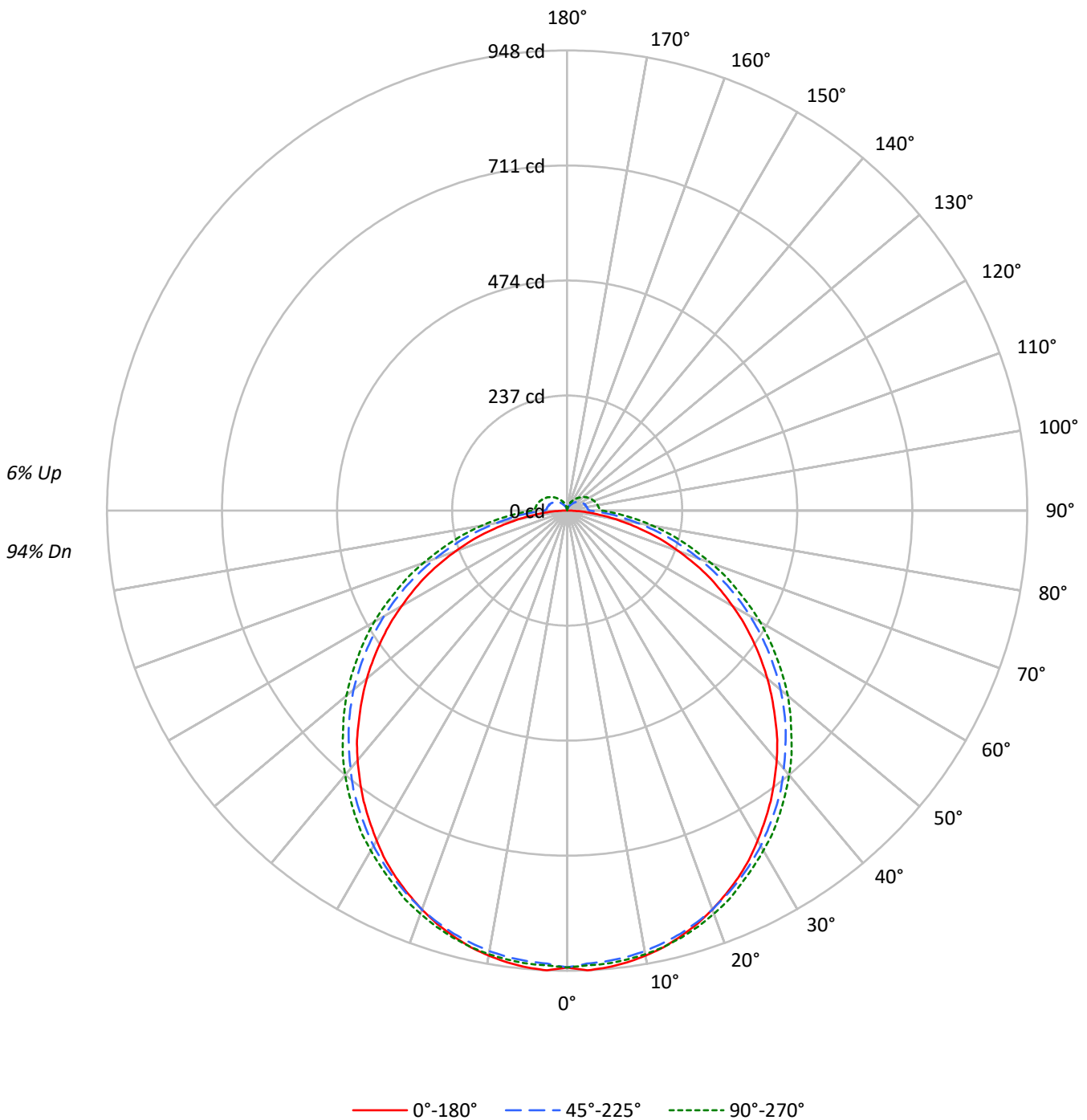
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2991.0 lumens
Efficiency: N/A
Efficacy: 141.8 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°	10131	10131	10131
5°	10200	9963	9979
10°	10158	9855	9853
15°	10082	9731	9713
20°	9979	9581	9547
25°	9860	9415	9351
30°	9699	9246	9170
35°	9535	9048	8981
40°	9355	8830	8768
45°	9128	8614	8522
50°	8910	8367	8296
55°	8639	8062	7981
60°	8334	7711	7671
65°	8010	7294	7244
70°	7453	6772	6802
75°	6785	6156	6274
80°	5794	5335	5688
85°	4558	4628	5000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	3.0
10°-20°	256.1	8.6
20°-30°	388.2	13.0
30°-40°	468.6	15.7
40°-50°	489.3	16.4
50°-60°	449.5	15.0
60°-70°	355.5	11.9
70°-80°	225.0	7.5
80°-90°	96.7	3.2
90°-100°	42.6	1.4
100°-110°	38.1	1.3
110°-120°	32.2	1.1
120°-130°	25.1	0.8
130°-140°	17.4	0.6
140°-150°	10.4	0.3
150°-160°	5.1	0.2
160°-170°	1.8	0.1
170°-180°	0.3	0.0
0°-30°	733.6	24.5
0°-40°	1202.1	40.2
0°-60°	2141.0	71.6
0°-90°	2818.2	94.2
90°-120°	112.8	3.8
90°-150°	165.7	5.5
90°-180°	173.0	5.8
0°-180°	2991.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	945	942	932	940	937	90
15°	907	907	902	912	910	256
25°	834	838	839	850	848	384
35°	731	739	749	761	763	457
45°	606	621	637	649	653	468
55°	467	486	506	523	526	418
65°	322	340	363	380	386	317
75°	170	190	217	236	245	180
85°	41	64	91	111	118	46
90°	3	23	47	65	72	3
95°	0	20	42	59	66	0
105°	0	18	40	56	61	1
115°	0	15	36	50	56	1
125°	1	14	30	43	48	1
135°	1	11	24	34	39	1
145°	1	8	17	26	29	1
155°	1	5	11	16	20	1
165°	2	4	6	8	11	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°	941.2	941.2	941.2	941.2	941.2
2.5°	948.1	944.9	934.3	941.7	938.0
5°	944.9	942.3	932.2	940.2	937.0
7.5°	939.1	937.0	928.0	936.4	933.3
10°	931.1	929.6	921.6	930.1	928.0
12.5°	921.1	920.6	912.6	922.1	920.6
15°	907.3	907.3	902.5	912.1	910.5
17.5°	892.5	893.0	889.3	899.4	898.3
20°	874.5	877.1	874.5	885.1	884.0
22.5°	854.9	858.6	857.5	868.1	868.6
25°	834.2	837.9	839.0	850.1	848.5
27.5°	811.4	817.3	819.4	829.5	828.9
30°	785.0	792.9	797.7	806.1	808.8
32.5°	757.9	767.5	773.3	785.0	788.1
35°	730.9	739.4	748.9	760.6	763.2
37.5°	701.3	710.8	723.5	734.6	737.8
40°	671.6	682.2	694.4	706.6	711.3
42.5°	640.9	652.0	665.3	679.6	684.3
45°	605.9	620.8	636.7	648.8	653.1
47.5°	572.6	589.0	605.9	619.2	623.9
50°	538.7	556.1	574.2	586.3	593.8
52.5°	503.2	522.2	540.3	555.6	560.4
55°	467.2	486.2	506.4	522.8	526.5
57.5°	432.2	450.7	470.9	486.2	493.6
60°	394.1	414.2	435.9	451.3	459.2
62.5°	357.0	376.6	399.9	416.3	422.7
65°	321.5	339.5	363.3	380.3	386.1
67.5°	282.3	303.0	325.7	345.3	352.8
70°	243.6	263.2	289.2	307.7	315.1
72.5°	207.6	226.7	252.6	271.2	278.1
75°	169.5	189.6	217.2	235.7	244.7
77.5°	132.9	155.2	181.7	201.8	211.9
80°	99.0	118.6	147.2	169.5	178.5
82.5°	67.3	88.5	118.1	138.8	148.8
85°	41.3	63.6	91.1	110.7	117.6
87.5°	19.6	40.8	66.2	85.3	93.8
90°	2.6	22.8	46.6	65.1	72.0
92.5°	0.5	19.6	42.9	60.4	66.7
95°	0.5	19.6	42.4	59.3	65.7
97.5°	0.5	19.1	41.8	58.8	64.6
100°	0.5	18.5	41.3	57.7	64.1
102.5°	0.5	18.5	40.3	56.7	62.5
105°	0.5	18.0	39.7	55.6	61.4
107.5°	0.5	17.5	38.7	54.6	60.4
110°	0.5	16.4	38.1	53.0	58.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.9	37.1	51.9	57.2
115°	0.5	15.4	36.0	50.3	55.6
117.5°	0.5	14.8	34.4	48.7	54.0
120°	1.1	14.8	33.4	47.1	51.9
122.5°	1.1	14.3	31.8	45.0	49.8
125°	1.1	13.8	30.2	43.4	48.2
127.5°	1.1	13.2	28.6	41.3	45.6
130°	1.1	12.2	27.5	39.2	43.4
132.5°	1.1	11.7	26.0	36.5	40.8
135°	1.1	10.6	24.4	34.4	38.7
137.5°	1.1	10.1	22.8	32.3	36.0
140°	1.1	9.5	20.7	30.2	33.9
142.5°	1.1	8.5	19.1	28.1	31.3
145°	1.1	7.9	16.9	26.0	28.6
147.5°	1.1	6.9	15.4	23.8	26.5
150°	1.1	6.4	13.8	21.7	24.4
152.5°	1.1	5.8	12.2	19.1	21.7
155°	1.1	5.3	11.1	16.4	19.6
157.5°	1.1	4.8	9.5	14.3	17.5
160°	1.6	4.2	8.5	12.2	14.8
162.5°	1.6	3.7	6.9	10.1	13.2
165°	1.6	3.7	5.8	7.9	11.1
167.5°	1.6	3.2	4.8	6.4	9.0
170°	1.6	2.6	4.2	4.8	6.9
172.5°	1.6	2.1	3.2	3.2	3.7
175°	1.6	2.1	2.6	2.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.1
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)