

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: P566474

Luminaire Tested: **4SNX-48SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566474
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-48SL-FDL-UNV-L930-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

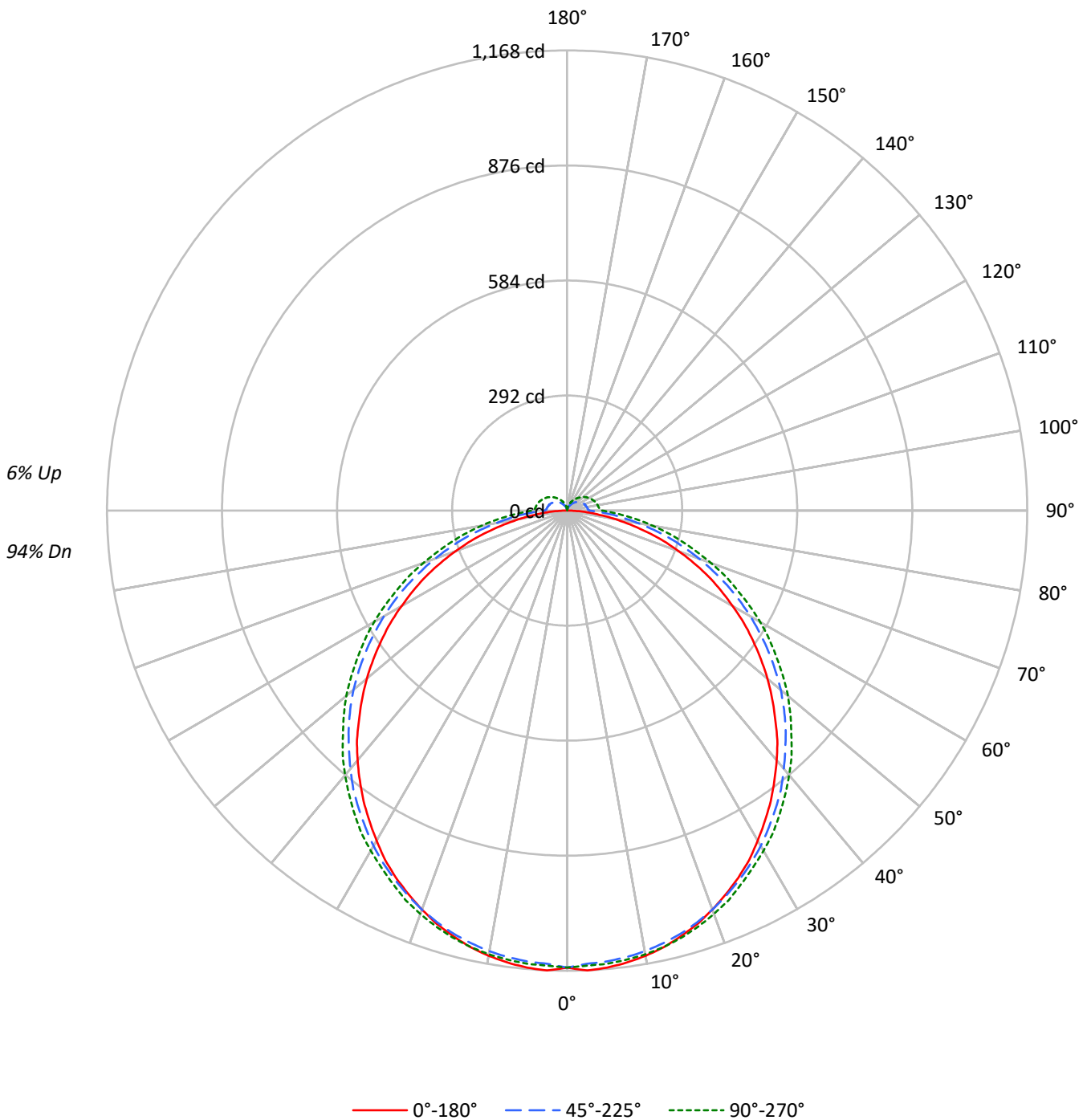
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3686.0 lumens
Efficiency: N/A
Efficacy: 114.8 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): 32.1
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°	12485	12485	12485
5°	12571	12278	12297
10°	12519	12146	12143
15°	12425	11993	11970
20°	12298	11807	11765
25°	12151	11602	11524
30°	11952	11394	11301
35°	11751	11151	11068
40°	11529	10880	10806
45°	11249	10614	10501
50°	10979	10311	10222
55°	10645	9934	9835
60°	10269	9504	9454
65°	9871	8991	8928
70°	9188	8345	8384
75°	8363	7585	7733
80°	7146	6579	7011
85°	5617	5705	6160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	3.0
10°-20°	315.7	8.6
20°-30°	478.4	13.0
30°-40°	577.5	15.7
40°-50°	603.0	16.4
50°-60°	554.0	15.0
60°-70°	438.1	11.9
70°-80°	277.3	7.5
80°-90°	119.2	3.2
90°-100°	52.5	1.4
100°-110°	46.9	1.3
110°-120°	39.7	1.1
120°-130°	30.9	0.8
130°-140°	21.4	0.6
140°-150°	12.8	0.3
150°-160°	6.3	0.2
160°-170°	2.2	0.1
170°-180°	0.3	0.0
0°-30°	904.0	24.5
0°-40°	1481.5	40.2
0°-60°	2638.5	71.6
0°-90°	3473.0	94.2
90°-120°	139.1	3.8
90°-150°	204.2	5.5
90°-180°	213.0	5.8
0°-180°	3686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1160	1160	1160	1160	1160	
5°	1164	1161	1149	1159	1155	111
15°	1118	1118	1112	1124	1122	315
25°	1028	1033	1034	1048	1046	473
35°	901	911	923	937	941	563
45°	747	765	785	800	805	577
55°	576	599	624	644	649	515
65°	396	418	448	469	476	390
75°	209	234	268	290	302	221
85°	51	78	112	136	145	56
90°	3	28	57	80	89	4
95°	1	24	52	73	81	1
105°	1	22	49	68	76	1
115°	1	19	44	62	68	1
125°	1	17	37	54	59	1
135°	1	13	30	42	48	1
145°	1	10	21	32	35	1
155°	1	6	14	20	24	1
165°	2	5	7	10	14	1
175°	2	3	3	3	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1159.9	1159.9	1159.9	1159.9	1159.9
2.5°	1168.4	1164.5	1151.4	1160.6	1156.0
5°	1164.5	1161.2	1148.8	1158.6	1154.7
7.5°	1157.3	1154.7	1143.6	1154.0	1150.1
10°	1147.5	1145.6	1135.8	1146.2	1143.6
12.5°	1135.1	1134.5	1124.7	1136.4	1134.5
15°	1118.1	1118.1	1112.3	1124.0	1122.1
17.5°	1099.9	1100.5	1095.9	1108.3	1107.0
20°	1077.7	1080.9	1077.7	1090.7	1089.4
22.5°	1053.5	1058.1	1056.8	1069.8	1070.5
25°	1028.1	1032.6	1033.9	1047.6	1045.7
27.5°	1000.0	1007.2	1009.8	1022.2	1021.5
30°	967.4	977.1	983.0	993.5	996.7
32.5°	934.1	945.8	953.0	967.4	971.3
35°	900.8	911.2	923.0	937.3	940.6
37.5°	864.2	876.0	891.6	905.3	909.3
40°	827.7	840.7	855.7	870.8	876.6
42.5°	789.8	803.5	819.8	837.5	843.3
45°	746.7	765.0	784.6	799.6	804.8
47.5°	705.6	725.8	746.7	763.1	768.9
50°	663.8	685.4	707.6	722.6	731.7
52.5°	620.1	643.6	665.8	684.7	690.6
55°	575.7	599.2	624.0	644.3	648.8
57.5°	532.6	555.5	580.3	599.2	608.4
60°	485.6	510.4	537.2	556.1	565.9
62.5°	439.9	464.1	492.8	513.1	520.9
65°	396.2	418.4	447.8	468.7	475.8
67.5°	347.9	373.4	401.4	425.6	434.7
70°	300.3	324.4	356.4	379.2	388.4
72.5°	255.9	279.4	311.4	334.2	342.7
75°	208.9	233.7	267.6	290.5	301.6
77.5°	163.8	191.3	223.9	248.7	261.1
80°	122.1	146.2	181.5	208.9	220.0
82.5°	82.9	109.0	145.6	171.0	183.4
85°	50.9	78.3	112.3	136.4	144.9
87.5°	24.2	50.3	81.6	105.1	115.5
90°	3.3	28.1	57.4	80.3	88.8
92.5°	0.7	24.2	52.9	74.4	82.2
95°	0.7	24.2	52.2	73.1	80.9
97.5°	0.7	23.5	51.6	72.5	79.6
100°	0.7	22.8	50.9	71.1	79.0
102.5°	0.7	22.8	49.6	69.8	77.0
105°	0.7	22.2	49.0	68.5	75.7
107.5°	0.7	21.5	47.6	67.2	74.4
110°	0.7	20.2	47.0	65.3	72.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	19.6	45.7	64.0	70.5
115°	0.7	18.9	44.4	62.0	68.5
117.5°	0.7	18.3	42.4	60.1	66.6
120°	1.3	18.3	41.1	58.1	64.0
122.5°	1.3	17.6	39.2	55.5	61.4
125°	1.3	17.0	37.2	53.5	59.4
127.5°	1.3	16.3	35.2	50.9	56.1
130°	1.3	15.0	33.9	48.3	53.5
132.5°	1.3	14.4	32.0	45.0	50.3
135°	1.3	13.1	30.0	42.4	47.6
137.5°	1.3	12.4	28.1	39.8	44.4
140°	1.3	11.7	25.5	37.2	41.8
142.5°	1.3	10.4	23.5	34.6	38.5
145°	1.3	9.8	20.9	32.0	35.2
147.5°	1.3	8.5	18.9	29.4	32.6
150°	1.3	7.8	17.0	26.8	30.0
152.5°	1.3	7.2	15.0	23.5	26.8
155°	1.3	6.5	13.7	20.2	24.2
157.5°	1.3	5.9	11.7	17.6	21.5
160°	2.0	5.2	10.4	15.0	18.3
162.5°	2.0	4.6	8.5	12.4	16.3
165°	2.0	4.6	7.2	9.8	13.7
167.5°	2.0	3.9	5.9	7.8	11.1
170°	2.0	3.3	5.2	5.9	8.5
172.5°	2.0	2.6	3.9	3.9	4.6
175°	2.0	2.6	3.3	3.3	2.0
177.5°	2.0	2.0	2.0	2.0	1.3
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)