

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: P566477

Luminaire Tested: **4SNX-48SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566477
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-L950-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

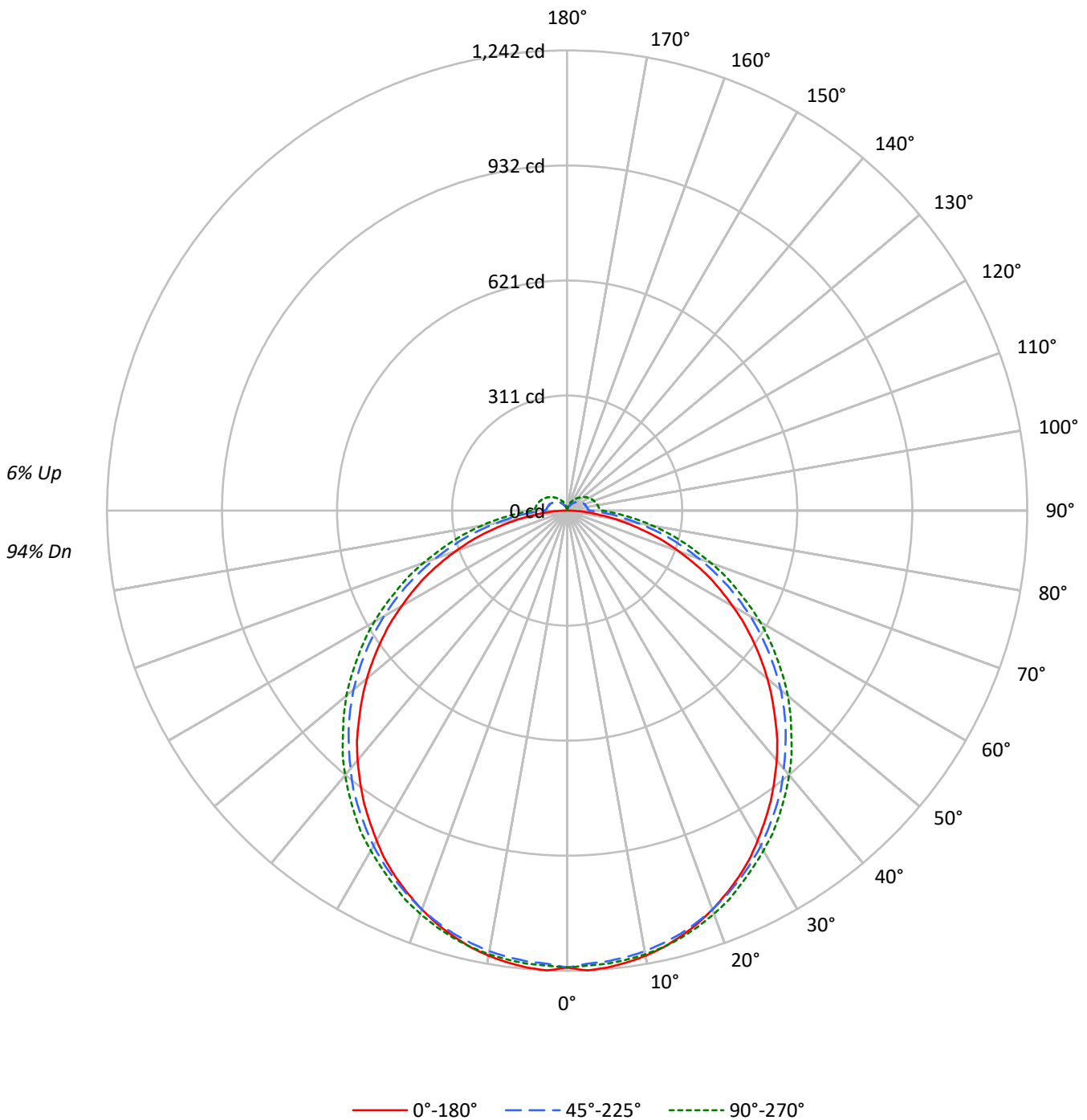
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3919.0 lumens
Efficiency: N/A
Efficacy: 122.1 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°	13274	13274	13274
5°	13366	13054	13075
10°	13310	12914	12910
15°	13211	12751	12726
20°	13075	12553	12509
25°	12918	12336	12252
30°	12707	12115	12015
35°	12493	11855	11768
40°	12258	11568	11489
45°	11961	11285	11165
50°	11674	10962	10869
55°	11318	10563	10456
60°	10918	10105	10052
65°	10496	9559	9492
70°	9766	8872	8913
75°	8891	8064	8220
80°	7597	6992	7454
85°	5971	6065	6551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	3.0
10°-20°	335.6	8.6
20°-30°	508.6	13.0
30°-40°	614.0	15.7
40°-50°	641.1	16.4
50°-60°	589.0	15.0
60°-70°	465.8	11.9
70°-80°	294.8	7.5
80°-90°	126.7	3.2
90°-100°	55.8	1.4
100°-110°	49.9	1.3
110°-120°	42.2	1.1
120°-130°	32.9	0.8
130°-140°	22.8	0.6
140°-150°	13.6	0.3
150°-160°	6.7	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	961.2	24.5
0°-40°	1575.1	40.2
0°-60°	2805.3	71.6
0°-90°	3692.6	94.2
90°-120°	147.8	3.8
90°-150°	217.1	5.5
90°-180°	226.0	5.8
0°-180°	3919.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1233	1233	1233	1233	1233	
5°	1238	1235	1221	1232	1228	118
15°	1189	1189	1183	1195	1193	335
25°	1093	1098	1099	1114	1112	503
35°	958	969	981	997	1000	599
45°	794	813	834	850	856	613
55°	612	637	664	685	690	548
65°	421	445	476	498	506	415
75°	222	248	284	309	321	235
85°	54	83	119	145	154	60
90°	4	30	61	85	94	5
95°	1	26	56	78	86	1
105°	1	24	52	73	80	1
115°	1	20	47	66	73	1
125°	1	18	40	57	63	1
135°	1	14	32	45	51	1
145°	1	10	22	34	38	1
155°	1	7	15	22	26	1
165°	2	5	8	10	15	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-48SL-FDL-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1233.2	1233.2	1233.2	1233.2	1233.2
2.5°	1242.3	1238.1	1224.2	1233.9	1229.1
5°	1238.1	1234.6	1221.4	1231.8	1227.7
7.5°	1230.5	1227.7	1215.9	1227.0	1222.8
10°	1220.0	1218.0	1207.6	1218.7	1215.9
12.5°	1206.9	1206.2	1195.8	1208.3	1206.2
15°	1188.8	1188.8	1182.6	1195.1	1193.0
17.5°	1169.4	1170.1	1165.2	1178.4	1177.0
20°	1145.8	1149.3	1145.8	1159.7	1158.3
22.5°	1120.1	1125.0	1123.6	1137.5	1138.2
25°	1093.0	1097.9	1099.3	1113.9	1111.8
27.5°	1063.2	1070.8	1073.6	1086.8	1086.1
30°	1028.5	1038.9	1045.2	1056.3	1059.7
32.5°	993.1	1005.6	1013.2	1028.5	1032.7
35°	957.7	968.8	981.3	996.6	1000.1
37.5°	918.9	931.3	948.0	962.6	966.7
40°	880.0	893.9	909.8	925.8	932.0
42.5°	839.7	854.3	871.7	890.4	896.6
45°	793.9	813.4	834.2	850.1	855.7
47.5°	750.2	771.7	793.9	811.3	817.5
50°	705.8	728.7	752.3	768.3	778.0
52.5°	659.3	684.3	707.9	728.0	734.3
55°	612.1	637.1	663.5	685.0	689.8
57.5°	566.3	590.6	617.0	637.1	646.8
60°	516.3	542.7	571.2	591.3	601.7
62.5°	467.8	493.4	524.0	545.5	553.8
65°	421.3	444.9	476.1	498.3	505.9
67.5°	369.9	397.0	426.8	452.5	462.2
70°	319.2	344.9	378.9	403.2	412.9
72.5°	272.0	297.0	331.0	355.3	364.3
75°	222.1	248.5	284.5	308.8	320.6
77.5°	174.2	203.3	238.0	264.4	277.6
80°	129.8	155.5	192.9	222.1	233.9
82.5°	88.1	115.9	154.8	181.8	195.0
85°	54.1	83.3	119.4	145.0	154.1
87.5°	25.7	53.4	86.7	111.7	122.8
90°	3.5	29.8	61.1	85.4	94.4
92.5°	0.7	25.7	56.2	79.1	87.4
95°	0.7	25.7	55.5	77.7	86.1
97.5°	0.7	25.0	54.8	77.0	84.7
100°	0.7	24.3	54.1	75.6	84.0
102.5°	0.7	24.3	52.7	74.3	81.9
105°	0.7	23.6	52.0	72.9	80.5
107.5°	0.7	22.9	50.7	71.5	79.1
110°	0.7	21.5	50.0	69.4	77.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.8	48.6	68.0	75.0
115°	0.7	20.1	47.2	65.9	72.9
117.5°	0.7	19.4	45.1	63.8	70.8
120°	1.4	19.4	43.7	61.8	68.0
122.5°	1.4	18.7	41.6	59.0	65.2
125°	1.4	18.0	39.6	56.9	63.2
127.5°	1.4	17.3	37.5	54.1	59.7
130°	1.4	16.0	36.1	51.4	56.9
132.5°	1.4	15.3	34.0	47.9	53.4
135°	1.4	13.9	31.9	45.1	50.7
137.5°	1.4	13.2	29.8	42.3	47.2
140°	1.4	12.5	27.1	39.6	44.4
142.5°	1.4	11.1	25.0	36.8	40.9
145°	1.4	10.4	22.2	34.0	37.5
147.5°	1.4	9.0	20.1	31.2	34.7
150°	1.4	8.3	18.0	28.5	31.9
152.5°	1.4	7.6	16.0	25.0	28.5
155°	1.4	6.9	14.6	21.5	25.7
157.5°	1.4	6.2	12.5	18.7	22.9
160°	2.1	5.6	11.1	16.0	19.4
162.5°	2.1	4.9	9.0	13.2	17.3
165°	2.1	4.9	7.6	10.4	14.6
167.5°	2.1	4.2	6.2	8.3	11.8
170°	2.1	3.5	5.6	6.2	9.0
172.5°	2.1	2.8	4.2	4.2	4.9
175°	2.1	2.8	3.5	3.5	2.1
177.5°	2.1	2.1	2.1	2.1	1.4
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)