

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: P566508

Luminaire Tested: **4SNX-48SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-48SL-SLW-UNV-L940-CD
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

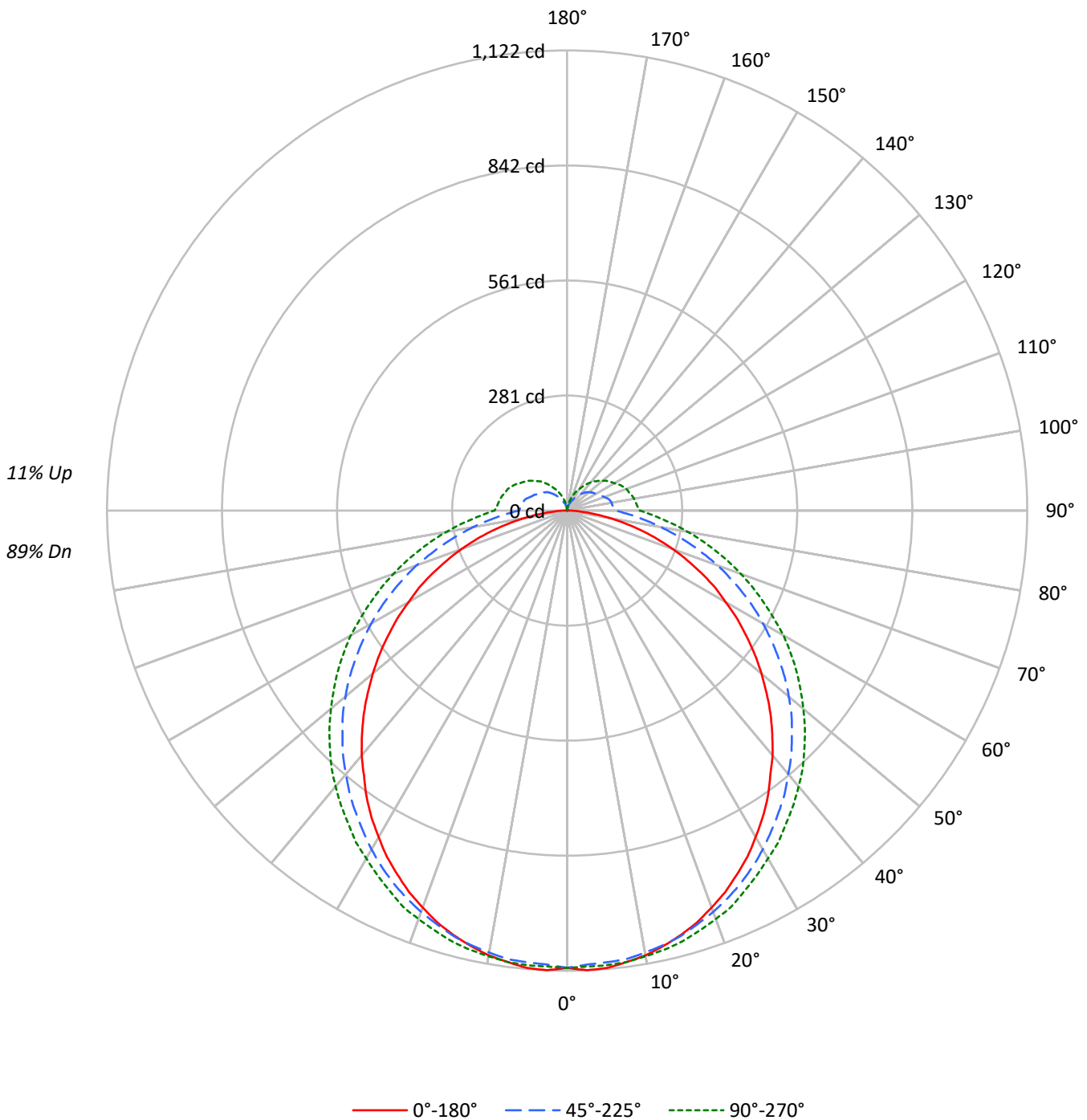
Lumens per Lamp: N/A
Luminaire Lumens: 3969.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 32.1
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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12001	12001	12001
5°	12074	11692	11682
10°	11991	11456	11393
15°	11871	11213	11127
20°	11708	10935	10830
25°	11519	10664	10521
30°	11293	10365	10214
35°	11046	10054	9926
40°	10763	9749	9650
45°	10456	9439	9353
50°	10106	9110	9019
55°	9720	8716	8691
60°	9268	8294	8327
65°	8800	7819	7866
70°	8146	7298	7416
75°	7276	6634	6917
80°	5862	5961	6425
85°	4133	5381	5922



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.7
10°-20°	304.4	7.7
20°-30°	462.8	11.7
30°-40°	561.8	14.2
40°-50°	593.7	15.0
50°-60°	555.5	14.0
60°-70°	455.8	11.5
70°-80°	313.5	7.9
80°-90°	171.7	4.3
90°-100°	110.6	2.8
100°-110°	99.2	2.5
110°-120°	82.1	2.1
120°-130°	63.2	1.6
130°-140°	44.4	1.1
140°-150°	26.8	0.7
150°-160°	12.8	0.3
160°-170°	4.2	0.1
170°-180°	0.5	0.0
0°-30°	873.1	22.0
0°-40°	1434.9	36.2
0°-60°	2584.1	65.1
0°-90°	3525.1	88.8
90°-120°	291.9	7.4
90°-150°	426.3	10.7
90°-180°	444.0	11.2
0°-180°	3969.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1120	1117	1106	1115	1113	106
15°	1071	1076	1074	1087	1087	302
25°	979	991	1002	1023	1023	451
35°	853	874	899	924	931	533
45°	701	733	775	809	818	540
55°	533	577	630	669	683	477
65°	361	409	471	515	529	357
75°	188	239	308	356	372	198
85°	41	99	168	214	230	48
90°	0	55	117	161	177	3
95°	0	53	113	154	170	0
105°	0	44	106	145	159	2
115°	2	39	90	129	145	2
125°	2	32	76	110	124	2
135°	2	25	62	90	101	2
145°	2	18	44	69	76	1
155°	2	12	28	44	51	1
165°	2	7	14	21	25	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.9	1114.9	1114.9	1114.9	1114.9
2.5°	1121.8	1119.5	1108.0	1117.2	1112.6
5°	1119.5	1117.2	1105.7	1114.9	1112.6
7.5°	1110.3	1110.3	1103.4	1112.6	1110.3
10°	1101.1	1101.1	1094.2	1105.7	1103.4
12.5°	1087.3	1089.6	1085.0	1098.8	1096.5
15°	1071.2	1075.8	1073.5	1087.3	1087.3
17.5°	1052.8	1057.4	1057.4	1073.5	1073.5
20°	1029.8	1036.7	1041.3	1059.7	1059.7
22.5°	1006.9	1016.1	1023.0	1039.0	1045.9
25°	979.3	990.8	1002.3	1023.0	1023.0
27.5°	951.7	965.5	979.3	1000.0	1002.3
30°	919.5	935.6	954.0	974.7	979.3
32.5°	887.3	908.0	926.4	951.7	958.6
35°	852.8	873.5	898.8	924.1	931.0
37.5°	813.8	839.0	871.2	898.8	905.7
40°	779.3	806.9	839.0	871.2	878.1
42.5°	740.2	770.1	809.2	839.0	850.5
45°	701.1	733.3	774.7	809.2	818.4
47.5°	659.7	696.5	742.5	774.7	786.2
50°	618.4	657.4	705.7	742.5	751.7
52.5°	577.0	618.4	668.9	705.7	717.2
55°	533.3	577.0	629.9	668.9	682.7
57.5°	491.9	535.6	590.8	632.2	646.0
60°	446.0	496.5	551.7	593.1	609.2
62.5°	406.9	452.9	512.6	554.0	567.8
65°	360.9	409.2	471.2	514.9	528.7
67.5°	317.2	367.8	429.9	475.8	489.6
70°	273.6	324.1	390.8	434.5	450.6
72.5°	229.9	282.7	347.1	395.4	411.5
75°	188.5	239.1	308.0	356.3	372.4
77.5°	144.8	200.0	269.0	317.2	335.6
80°	105.7	163.2	232.2	280.4	298.8
82.5°	71.3	128.7	197.7	246.0	264.4
85°	41.4	98.8	167.8	213.8	229.9
87.5°	20.7	75.9	140.2	186.2	202.3
90°	0.0	55.2	117.2	160.9	177.0
92.5°	0.0	52.9	114.9	156.3	172.4
95°	0.0	52.9	112.6	154.0	170.1
97.5°	0.0	50.6	110.3	154.0	167.8
100°	0.0	48.3	110.3	151.7	165.5
102.5°	0.0	46.0	108.0	149.4	163.2
105°	0.0	43.7	105.7	144.8	158.6
107.5°	2.3	43.7	101.1	142.5	156.3
110°	2.3	41.4	96.5	140.2	154.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.1	92.0	135.6	149.4
115°	2.3	39.1	89.7	128.7	144.8
117.5°	2.3	36.8	85.1	124.1	140.2
120°	2.3	36.8	82.8	119.5	133.3
122.5°	2.3	34.5	78.2	114.9	128.7
125°	2.3	32.2	75.9	110.3	124.1
127.5°	2.3	29.9	73.6	105.7	119.5
130°	2.3	27.6	69.0	101.1	112.6
132.5°	2.3	27.6	66.7	94.2	108.0
135°	2.3	25.3	62.1	89.7	101.1
137.5°	2.3	23.0	57.5	85.1	96.5
140°	2.3	20.7	52.9	80.5	89.7
142.5°	2.3	20.7	48.3	73.6	82.8
145°	2.3	18.4	43.7	69.0	75.9
147.5°	2.3	16.1	39.1	62.1	69.0
150°	2.3	16.1	34.5	55.2	62.1
152.5°	2.3	13.8	29.9	50.6	57.5
155°	2.3	11.5	27.6	43.7	50.6
157.5°	2.3	11.5	23.0	36.8	43.7
160°	2.3	9.2	20.7	29.9	36.8
162.5°	2.3	9.2	18.4	25.3	32.2
165°	2.3	6.9	13.8	20.7	25.3
167.5°	2.3	6.9	11.5	16.1	20.7
170°	2.3	4.6	9.2	11.5	16.1
172.5°	2.3	4.6	6.9	6.9	6.9
175°	2.3	2.3	4.6	4.6	2.3
177.5°	2.3	2.3	2.3	2.3	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)