

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: P566500

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

Issue Date: 9/15/2022



**Test Information**

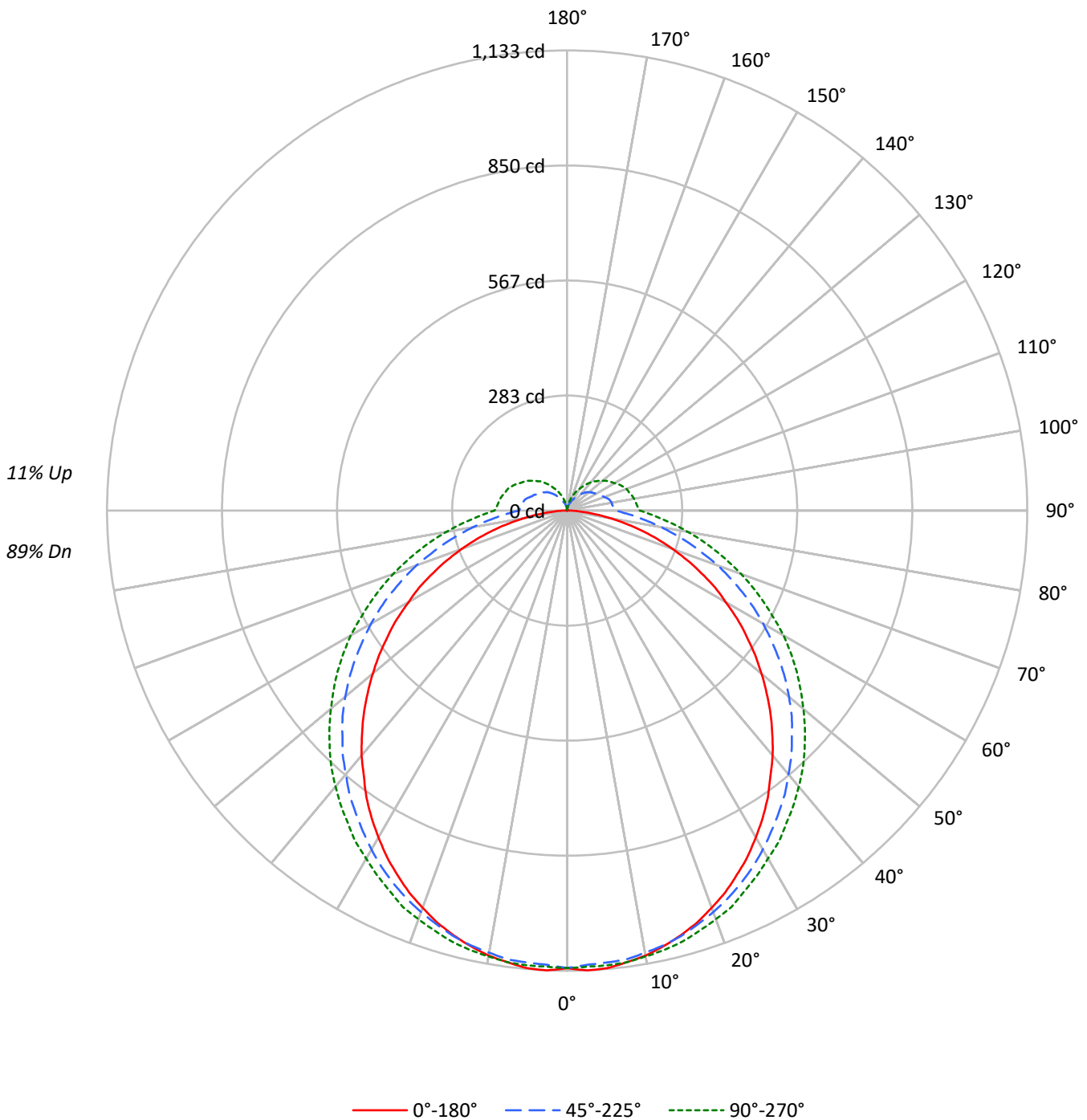
Test Method: LM-79-08  
Report Number: P566500  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-48SL-LW-UNV-L940-CD  
Description: 4FT 4800 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4010.0 lumens  
Efficiency: N/A  
Efficacy: 124.9 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: 0.17')  
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	77	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°	12124	12124	12124
5°	12177	11564	11477
10°	12071	11103	10903
15°	11928	10656	10386
20°	11741	10193	9870
25°	11527	9749	9364
30°	11275	9292	8880
35°	11002	8834	8426
40°	10689	8387	7994
45°	10352	7938	7552
50°	9968	7477	7087
55°	9543	6962	6631
60°	9047	6425	6149
65°	8524	5846	5600
70°	7805	5229	5059
75°	6853	4511	4485
80°	5355	3786	3914
85°	3497	3113	3328



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.0	2.7
10°-20°	307.5	7.7
20°-30°	467.6	11.7
30°-40°	567.6	14.2
40°-50°	599.8	15.0
50°-60°	561.3	14.0
60°-70°	460.5	11.5
70°-80°	316.8	7.9
80°-90°	173.5	4.3
90°-100°	111.7	2.8
100°-110°	100.2	2.5
110°-120°	83.0	2.1
120°-130°	63.9	1.6
130°-140°	44.9	1.1
140°-150°	27.0	0.7
150°-160°	12.9	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	882.1	22.0
0°-40°	1449.7	36.2
0°-60°	2610.8	65.1
0°-90°	3561.6	88.8
90°-120°	294.9	7.4
90°-150°	430.7	10.7
90°-180°	448.0	11.2
0°-180°	4010.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1131	1129	1117	1126	1124	107
15°	1082	1087	1085	1098	1098	305
25°	989	1001	1013	1034	1034	456
35°	862	883	908	934	941	538
45°	708	741	783	818	827	546
55°	539	583	636	676	690	482
65°	365	413	476	520	534	361
75°	190	242	311	360	376	201
85°	42	100	170	216	232	48
90°	0	56	118	163	179	3
95°	0	53	114	156	172	0
105°	0	44	107	146	160	2
115°	2	40	91	130	146	2
125°	2	32	77	112	125	2
135°	2	26	63	91	102	2
145°	2	19	44	70	77	1
155°	2	12	28	44	51	1
165°	2	7	14	21	26	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°	1126.4	1126.4	1126.4	1126.4	1126.4
2.5°	1133.4	1131.1	1119.5	1128.7	1124.1
5°	1131.1	1128.7	1117.1	1126.4	1124.1
7.5°	1121.8	1121.8	1114.8	1124.1	1121.8
10°	1112.5	1112.5	1105.5	1117.1	1114.8
12.5°	1098.5	1100.9	1096.2	1110.2	1107.8
15°	1082.3	1086.9	1084.6	1098.5	1098.5
17.5°	1063.7	1068.4	1068.4	1084.6	1084.6
20°	1040.5	1047.5	1052.1	1070.7	1070.7
22.5°	1017.3	1026.6	1033.5	1049.8	1056.7
25°	989.4	1001.0	1012.6	1033.5	1033.5
27.5°	961.5	975.5	989.4	1010.3	1012.6
30°	929.0	945.3	963.8	984.7	989.4
32.5°	896.5	917.4	936.0	961.5	968.5
35°	861.7	882.6	908.1	933.6	940.6
37.5°	822.2	847.7	880.2	908.1	915.1
40°	787.3	815.2	847.7	880.2	887.2
42.5°	747.8	778.0	817.5	847.7	859.3
45°	708.4	740.9	782.7	817.5	826.8
47.5°	666.6	703.7	750.2	782.7	794.3
50°	624.8	664.2	713.0	750.2	759.5
52.5°	583.0	624.8	675.9	713.0	724.6
55°	538.8	583.0	636.4	675.9	689.8
57.5°	497.0	541.1	596.9	638.7	652.6
60°	450.6	501.7	557.4	599.2	615.5
62.5°	411.1	457.5	517.9	559.7	573.7
65°	364.6	413.4	476.1	520.2	534.2
67.5°	320.5	371.6	434.3	480.8	494.7
70°	276.4	327.5	394.8	439.0	455.2
72.5°	232.3	285.7	350.7	399.5	415.7
75°	190.4	241.5	311.2	360.0	376.2
77.5°	146.3	202.1	271.7	320.5	339.1
80°	106.8	164.9	234.6	283.3	301.9
82.5°	72.0	130.1	199.7	248.5	267.1
85°	41.8	99.9	169.5	216.0	232.3
87.5°	20.9	76.6	141.7	188.1	204.4
90°	0.0	55.7	118.4	162.6	178.8
92.5°	0.0	53.4	116.1	157.9	174.2
95°	0.0	53.4	113.8	155.6	171.9
97.5°	0.0	51.1	111.5	155.6	169.5
100°	0.0	48.8	111.5	153.3	167.2
102.5°	0.0	46.5	109.2	151.0	164.9
105°	0.0	44.1	106.8	146.3	160.3
107.5°	2.3	44.1	102.2	144.0	157.9
110°	2.3	41.8	97.5	141.7	155.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	39.5	92.9	137.0	151.0
115°	2.3	39.5	90.6	130.1	146.3
117.5°	2.3	37.2	85.9	125.4	141.7
120°	2.3	37.2	83.6	120.8	134.7
122.5°	2.3	34.8	79.0	116.1	130.1
125°	2.3	32.5	76.6	111.5	125.4
127.5°	2.3	30.2	74.3	106.8	120.8
130°	2.3	27.9	69.7	102.2	113.8
132.5°	2.3	27.9	67.4	95.2	109.2
135°	2.3	25.5	62.7	90.6	102.2
137.5°	2.3	23.2	58.1	85.9	97.5
140°	2.3	20.9	53.4	81.3	90.6
142.5°	2.3	20.9	48.8	74.3	83.6
145°	2.3	18.6	44.1	69.7	76.6
147.5°	2.3	16.3	39.5	62.7	69.7
150°	2.3	16.3	34.8	55.7	62.7
152.5°	2.3	13.9	30.2	51.1	58.1
155°	2.3	11.6	27.9	44.1	51.1
157.5°	2.3	11.6	23.2	37.2	44.1
160°	2.3	9.3	20.9	30.2	37.2
162.5°	2.3	9.3	18.6	25.5	32.5
165°	2.3	7.0	13.9	20.9	25.5
167.5°	2.3	7.0	11.6	16.3	20.9
170°	2.3	4.6	9.3	11.6	16.3
172.5°	2.3	4.6	7.0	7.0	7.0
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)