

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: P25040

Luminaire Tested: **4SLWP3940ND-120V**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P25040  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLWP3940ND-120V  
Description: METALUX 4' LINEAR LED WRAPAROUND, 120V  
Light Source: (132) 4000K LEDS  
62-217D  
Ballast/Driver: (1) NON-DIM, ELECTRONIC DRIVER  
EDRT-FN1-022-0520-036-120

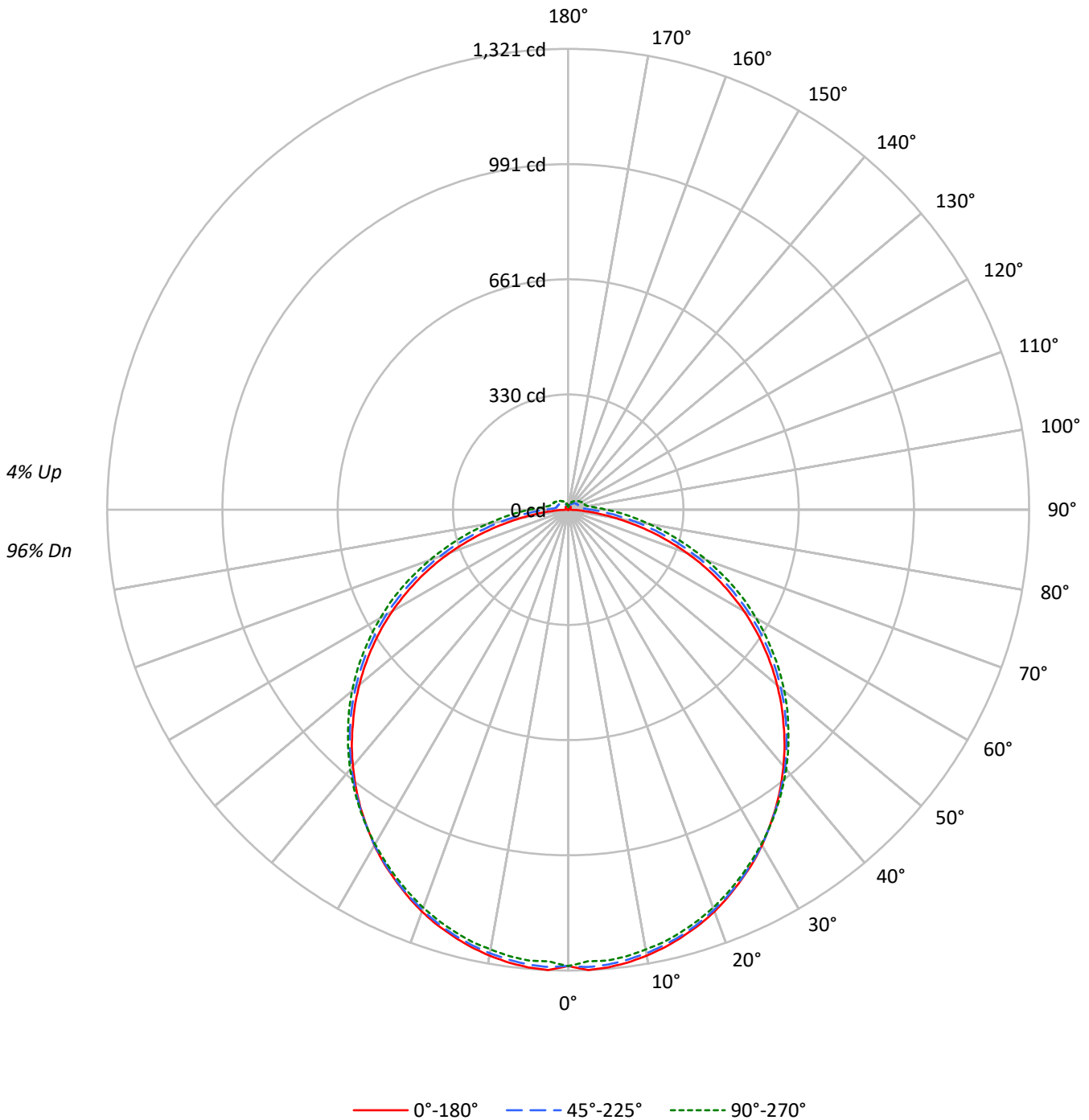
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4068.7 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 4' x H: 0.08')  
CIE Type: Direct  
  
Input Watts (W): 38.5  
Input Voltage (V): 120.09  
Input Current (Ain): 0.32428  
Voltage Rise (V): NR  
Power Factor: 0.992  
Total Harmonic Distortion (THDi): 7.60%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 24 HR  
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	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	89	87	84	85	83	81	79
2	97	88	81	75	94	86	80	74	82	76	72	78	73	69	74	71	67	65
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	57	54
4	81	68	59	53	78	67	58	52	64	56	51	61	55	50	58	53	48	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	38	47	41	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	31
8	59	45	37	31	57	44	36	31	43	35	30	41	34	30	40	34	29	27
9	55	42	33	28	53	41	33	27	39	32	27	38	31	27	37	31	26	24
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7680	7680	7680
5°	7748	7619	7524
10°	7710	7507	7394
15°	7659	7387	7262
20°	7602	7251	7114
25°	7519	7105	6951
30°	7443	6950	6792
35°	7340	6781	6631
40°	7231	6616	6464
45°	7101	6420	6267
50°	6961	6210	6066
55°	6799	5957	5826
60°	6596	5663	5555
65°	6303	5292	5238
70°	5862	4828	4831
75°	5178	4242	4365
80°	4173	3581	3912
85°	2612	2962	3589



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.8	3.0
10°-20°	354.4	8.7
20°-30°	536.4	13.2
30°-40°	648.5	15.9
40°-50°	679.2	16.7
50°-60°	625.0	15.4
60°-70°	491.8	12.1
70°-80°	303.7	7.5
80°-90°	127.5	3.1
90°-100°	47.3	1.2
100°-110°	32.6	0.8
110°-120°	28.6	0.7
120°-130°	24.3	0.6
130°-140°	19.0	0.5
140°-150°	13.4	0.3
150°-160°	8.1	0.2
160°-170°	4.0	0.1
170°-180°	1.2	0.0
0°-30°	1014.6	24.9
0°-40°	1663.1	40.9
0°-60°	2967.3	72.9
0°-90°	3890.3	95.6
90°-120°	108.5	2.7
90°-150°	165.2	4.1
90°-180°	178.0	4.4
0°-180°	4068.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1317	1291	1309	1303	1297	125
15°	1267	1242	1262	1260	1253	358
25°	1172	1149	1170	1167	1164	540
35°	1039	1020	1041	1044	1043	650
45°	873	862	884	892	892	674
55°	684	680	701	716	717	611
65°	474	475	498	517	524	468
75°	246	259	287	314	323	261
85°	48	74	116	150	164	58
90°	1	28	67	98	110	2
95°	1	17	42	66	76	1
105°	2	16	33	46	51	2
115°	4	16	31	42	46	5
125°	8	17	29	38	41	7
135°	10	16	26	33	36	8
145°	11	14	22	28	30	7
155°	11	13	17	22	24	5
165°	13	11	13	15	18	4
175°	14	14	13	10	10	1
180°	12	12	12	12	12	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1308	1308	1308	1308	1308
2.5°	1321	1295	1312	1308	1296
5°	1317	1291	1309	1303	1297
7.5°	1309	1284	1301	1297	1291
10°	1298	1273	1291	1287	1280
12.5°	1284	1259	1278	1274	1269
15°	1267	1242	1262	1260	1253
17.5°	1248	1223	1243	1242	1235
20°	1226	1201	1221	1218	1214
22.5°	1200	1176	1197	1193	1190
25°	1172	1149	1170	1167	1164
27.5°	1143	1121	1141	1139	1136
30°	1111	1088	1110	1110	1107
32.5°	1075	1055	1076	1078	1076
35°	1039	1020	1041	1044	1043
37.5°	1000	983	1004	1008	1008
40°	960	944	967	971	972
42.5°	918	904	926	933	933
45°	873	862	884	892	892
47.5°	829	820	841	850	852
50°	781	773	796	806	808
52.5°	734	729	749	763	764
55°	684	680	701	716	717
57.5°	634	631	652	667	670
60°	582	581	602	618	622
62.5°	528	529	550	568	574
65°	474	475	498	517	524
67.5°	418	421	445	466	472
70°	361	367	392	415	422
72.5°	303	313	339	364	371
75°	246	259	287	314	323
77.5°	190	207	238	267	277
80°	138	157	192	224	235
82.5°	90	112	151	184	198
85°	48	74	116	150	164
87.5°	15	46	88	122	135
90°	1	28	67	98	110
92.5°	0	19	52	80	91
95°	1	17	42	66	76
97.5°	1	16	37	57	65
100°	1	16	35	51	58
102.5°	2	16	34	48	54
105°	2	16	33	46	51
107.5°	3	16	33	45	50
110°	3	16	32	44	48



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4	17	32	43	47
115°	4	16	31	42	46
117.5°	6	17	31	41	45
120°	6	17	30	40	44
122.5°	7	17	30	39	42
125°	8	17	29	38	41
127.5°	8	17	28	37	40
130°	9	17	28	36	38
132.5°	10	16	27	35	37
135°	10	16	26	33	36
137.5°	10	16	25	32	34
140°	10	15	24	31	33
142.5°	10	15	23	30	31
145°	11	14	22	28	30
147.5°	11	14	21	27	28
150°	11	14	19	26	27
152.5°	11	13	18	24	25
155°	11	13	17	22	24
157.5°	12	12	16	20	22
160°	12	12	15	19	21
162.5°	13	12	15	17	19
165°	13	11	13	15	18
167.5°	13	12	12	14	16
170°	14	13	11	12	14
172.5°	14	14	11	10	13
175°	14	14	13	10	10
177.5°	14	14	13	11	7
180°	12	12	12	12	12

(END OF REPORT)