

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: P25180

Luminaire Tested: **4SLWP4040ND-UNV**

Test Date: 10/20/14



**Test Information**

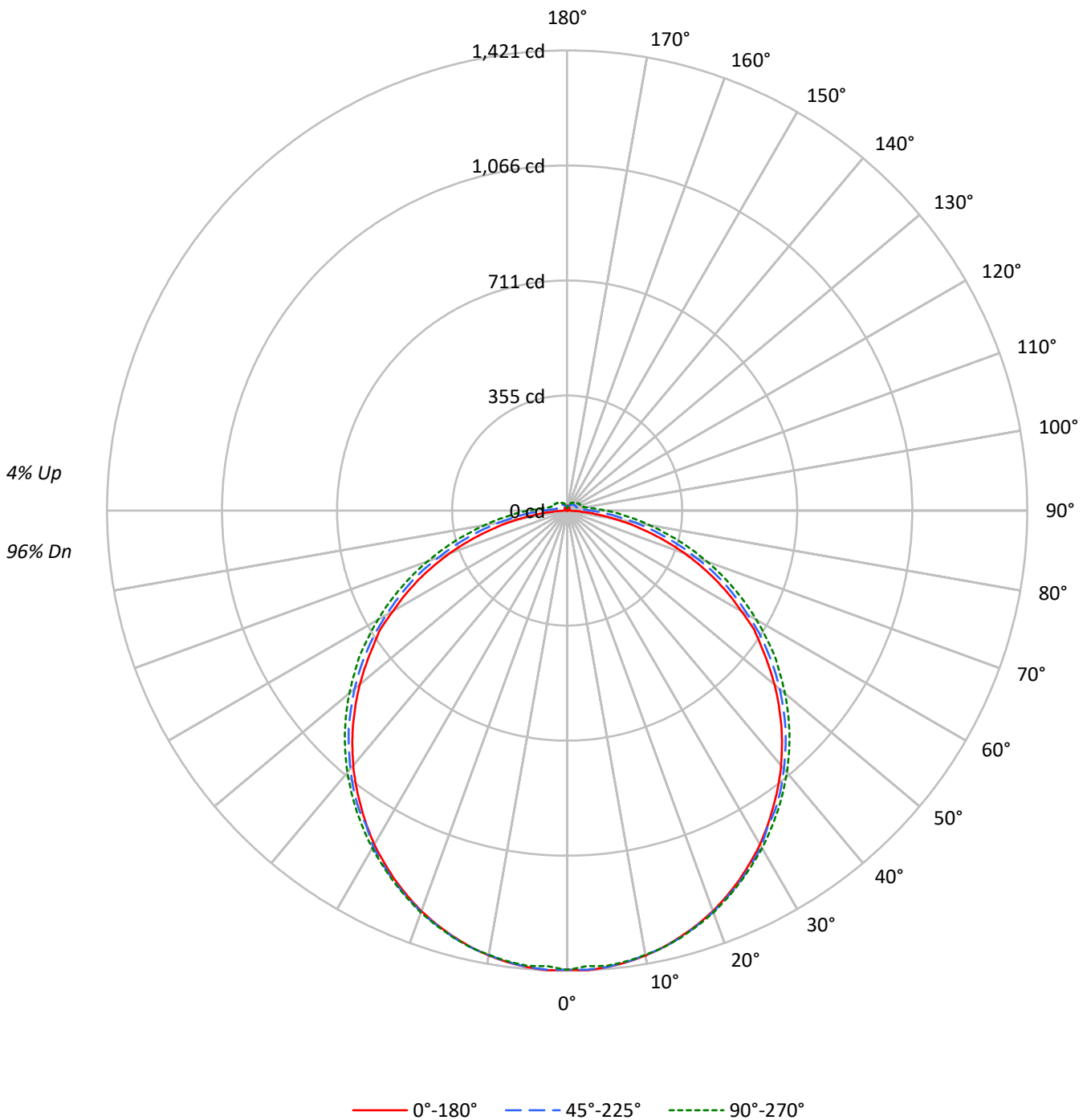
Test Method: LM-79-08  
Report Number: P25180  
Test Lab: INNOVATION CENTER-P2  
Test Date: 10/20/14  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SLWP4040ND-UNV  
Description: METALUX 4' LINEAR LED WRAPAROUND, UNV  
Light Source: (132) 4000K LEDS  
62-217D  
Ballast/Driver: (1) NON-DIM ELECTRONIC DRIVER  
EDRT-FN1-022-0600-036-UNV

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4390.0 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 0.46' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 45.4  
Input Voltage (V): 120.06  
Input Current (A<sub>in</sub>): 0.38031  
Voltage Rise (V): NR  
Power Factor: 0.9959  
Total Harmonic Distortion (THDi): 7.05%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 7 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	90	87	84	85	83	81	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	74	71	67	65
3	88	77	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	54
4	81	68	59	53	78	67	58	52	64	57	51	61	55	50	58	53	49	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	42	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	35	30	40	34	29	27
9	55	42	33	28	53	41	33	27	39	32	27	38	31	27	37	31	26	25
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°	8325	8325	8325
5°	8340	8340	8316
10°	8317	8311	8305
15°	8273	8285	8291
20°	8222	8241	8254
25°	8150	8182	8201
30°	8074	8122	8163
35°	7970	8049	8121
40°	7879	7979	8094
45°	7763	7921	8062
50°	7636	7828	8020
55°	7493	7718	8005
60°	7292	7562	7926
65°	7030	7474	7891
70°	6626	7244	7879
75°	5989	7100	8030
80°	5072	7168	8689
85°	3570	8690	12058



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.2	3.1
10°-20°	384.3	8.8
20°-30°	581.2	13.2
30°-40°	701.7	16.0
40°-50°	734.2	16.7
50°-60°	675.0	15.4
60°-70°	531.3	12.1
70°-80°	330.7	7.5
80°-90°	140.5	3.2
90°-100°	48.8	1.1
100°-110°	31.2	0.7
110°-120°	27.4	0.6
120°-130°	23.6	0.5
130°-140°	18.8	0.4
140°-150°	13.4	0.3
150°-160°	8.3	0.2
160°-170°	4.2	0.1
170°-180°	1.2	0.0
0°-30°	1099.7	25.1
0°-40°	1801.4	41.0
0°-60°	3210.7	73.1
0°-90°	4213.2	96.0
90°-120°	107.3	2.4
90°-150°	163.1	3.7
90°-180°	177.0	4.0
0°-180°	4390.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1418	1418	1418	1418	1418	
5°	1415	1415	1415	1409	1411	134
15°	1361	1361	1363	1363	1364	384
25°	1258	1257	1263	1262	1266	580
35°	1112	1114	1123	1128	1133	696
45°	935	940	954	962	971	721
55°	732	740	754	771	782	655
65°	506	516	538	559	568	500
75°	264	282	313	343	354	280
85°	53	82	129	166	179	64
90°	1	30	73	107	119	3
95°	0	16	43	69	79	0
105°	2	16	31	44	49	2
115°	5	16	30	40	44	5
125°	8	16	28	36	39	7
135°	11	16	26	33	35	8
145°	11	15	22	28	29	7
155°	12	14	17	22	24	6
165°	15	13	14	16	18	4
175°	15	15	12	11	10	1
180°	13	13	13	13	13	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1418	1418	1418	1418	1418
2.5°	1421	1420	1419	1414	1408
5°	1415	1415	1415	1409	1411
7.5°	1407	1406	1406	1403	1404
10°	1395	1394	1394	1391	1393
12.5°	1380	1379	1381	1378	1381
15°	1361	1361	1363	1363	1364
17.5°	1340	1339	1342	1342	1343
20°	1316	1313	1319	1316	1321
22.5°	1288	1287	1292	1289	1294
25°	1258	1257	1263	1262	1266
27.5°	1225	1225	1232	1232	1235
30°	1191	1190	1198	1199	1204
32.5°	1152	1153	1154	1164	1169
35°	1112	1114	1123	1128	1133
37.5°	1071	1072	1084	1089	1095
40°	1028	1030	1041	1048	1056
42.5°	982	985	998	1006	1014
45°	935	940	954	962	971
47.5°	886	893	905	916	925
50°	836	843	857	870	878
52.5°	784	793	807	821	829
55°	732	740	754	771	782
57.5°	685	686	702	719	728
60°	621	630	644	666	675
62.5°	565	575	592	614	622
65°	506	516	538	559	568
67.5°	446	457	482	504	513
70°	386	399	422	449	459
72.5°	324	340	368	395	406
75°	264	282	313	343	354
77.5°	207	226	262	293	303
80°	150	172	212	246	257
82.5°	98	124	168	203	217
85°	53	82	129	166	179
87.5°	18	51	98	134	148
90°	1	30	73	107	119
92.5°	0	19	55	85	96
95°	0	16	43	69	79
97.5°	1	15	36	57	66
100°	1	15	33	50	57
102.5°	2	15	32	46	52
105°	2	16	31	44	49
107.5°	3	16	31	43	47
110°	3	16	31	42	46



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4	16	30	41	45
115°	5	16	30	40	44
117.5°	6	16	29	39	43
120°	7	16	29	38	42
122.5°	8	17	29	38	41
125°	8	16	28	36	39
127.5°	9	17	27	36	38
130°	10	17	27	35	37
132.5°	10	16	26	34	36
135°	11	16	26	33	35
137.5°	11	16	25	31	33
140°	11	15	24	30	32
142.5°	11	15	23	29	31
145°	11	15	22	28	29
147.5°	11	14	21	27	28
150°	11	14	20	26	27
152.5°	12	14	19	24	26
155°	12	14	17	22	24
157.5°	13	13	16	20	23
160°	13	12	16	19	21
162.5°	14	12	15	17	20
165°	15	13	14	16	18
167.5°	15	13	13	14	17
170°	15	13	12	12	15
172.5°	15	15	12	11	13
175°	15	15	12	11	10
177.5°	15	15	14	12	8
180°	13	13	13	13	13

(END OF REPORT)