

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: P29275

Luminaire Tested: **2WPLD2040C**

Test Date: 02/16/17



**Test Information**

Test Method: LM-79-08  
Report Number: P29275  
Test Lab: INNOVATION CENTER-P2  
Test Date: 02/16/17  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2WPLD2040C  
Description: 2' LOW PROFILE LED WRAP 2000LM  
Light Source: -  
Ballast/Driver: -

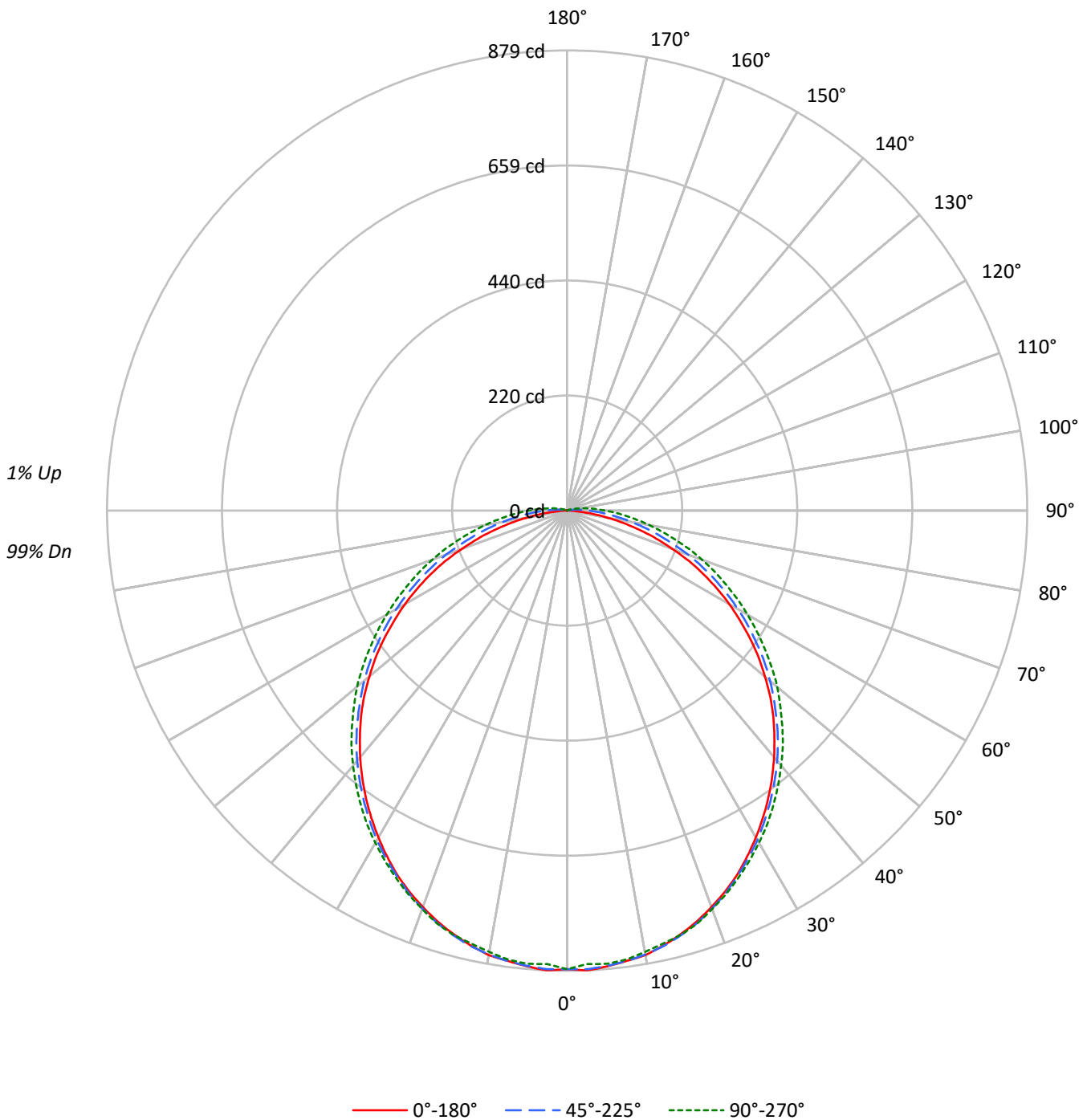
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2542.8 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.35  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 23.1  
Input Voltage (V): 120.1  
Input Current (A<sub>in</sub>): 0.194  
Voltage Rise (V): NR  
Power Factor: 0.9974  
Total Harmonic Distortion (THDi): 7.21  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 8 HR  
Ambient Temperature (°C): 25.0  
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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	70	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	68	63	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

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

	0°	45°	90°
0°	14144	14144	14144
5°	14114	13898	13783
10°	14029	13621	13442
15°	13853	13306	13144
20°	13642	12930	12757
25°	13421	12514	12349
30°	13126	12112	11942
35°	12832	11660	11524
40°	12524	11212	11081
45°	12210	10714	10613
50°	11798	10202	10141
55°	11345	9611	9563
60°	10782	8970	8969
65°	10065	8238	8332
70°	9065	7413	7668
75°	7774	6380	6874
80°	5866	5314	6115
85°	3263	4249	5379



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.8	3.3
10°-20°	236.5	9.3
20°-30°	354.8	14.0
30°-40°	423.7	16.7
40°-50°	437.5	17.2
50°-60°	395.9	15.6
60°-70°	307.6	12.1
70°-80°	190.6	7.5
80°-90°	82.4	3.2
90°-100°	24.1	0.9
100°-110°	5.7	0.2
110°-120°	1.2	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	674.1	26.5
0°-40°	1097.8	43.2
0°-60°	1931.3	75.9
0°-90°	2511.8	98.8
90°-120°	31.0	1.2
90°-150°	31.0	1.2
90°-180°	31.0	1.2
0°-180°	2542.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	874	873	873	868	869	83
15°	838	840	840	836	839	236
25°	768	770	770	768	774	353
35°	670	674	677	680	687	419
45°	557	560	566	573	581	429
55°	427	432	442	453	461	381
65°	287	295	311	325	335	284
75°	144	155	181	202	213	153
85°	26	44	77	101	112	32
90°	0	15	42	64	73	1
95°	0	3	20	37	44	0
105°	1	1	3	9	12	1
115°	1	1	1	2	3	1
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	876	876	876	876	876
2.5°	879	877	877	869	867
5°	874	873	873	868	869
7.5°	868	869	868	863	865
10°	862	862	861	855	856
12.5°	851	853	852	846	847
15°	838	840	840	836	839
17.5°	823	826	826	823	827
20°	806	809	809	807	810
22.5°	788	791	791	788	793
25°	768	770	770	768	774
27.5°	745	748	749	749	754
30°	721	725	727	727	733
32.5°	696	700	702	704	711
35°	670	674	677	680	687
37.5°	643	646	651	654	662
40°	615	619	624	628	636
42.5°	586	591	596	602	610
45°	557	560	566	573	581
47.5°	526	529	536	544	552
50°	493	498	506	515	524
52.5°	461	465	475	484	493
55°	427	432	442	453	461
57.5°	392	399	410	421	430
60°	358	364	377	389	398
62.5°	323	330	344	357	367
65°	287	295	311	325	335
67.5°	252	260	278	294	305
70°	214	223	246	264	274
72.5°	179	189	212	233	244
75°	144	155	181	202	213
77.5°	110	123	152	174	185
80°	78	94	124	148	159
82.5°	50	67	100	124	134
85°	26	44	77	101	112
87.5°	8	27	57	82	91
90°	0	15	42	64	73
92.5°	0	7	29	49	58
95°	0	3	20	37	44
97.5°	0	2	13	27	33
100°	0	1	8	19	24
102.5°	1	1	5	13	17
105°	1	1	3	9	12
107.5°	1	1	2	6	8
110°	1	1	2	4	5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1	1	1	3	4
115°	1	1	1	2	3
117.5°	0	0	0	0	0
120°	0	0	0	0	0
122.5°	0	0	0	0	0
125°	0	0	0	0	0
127.5°	0	0	0	0	0
130°	0	0	0	0	0
132.5°	0	0	0	0	0
135°	0	0	0	0	0
137.5°	0	0	0	0	0
140°	0	0	0	0	0
142.5°	0	0	0	0	0
145°	0	0	0	0	0
147.5°	0	0	0	0	0
150°	0	0	0	0	0
152.5°	0	0	0	0	0
155°	0	0	0	0	0
157.5°	0	0	0	0	0
160°	0	0	0	0	0
162.5°	0	0	0	0	0
165°	0	0	0	0	0
167.5°	0	0	0	0	0
170°	0	0	0	0	0
172.5°	0	0	0	0	0
175°	0	0	0	0	0
177.5°	0	0	0	0	0
180°	0	0	0	0	0

(END OF REPORT)