

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: P29274

Luminaire Tested: **2WPLD2040R**

Test Date: 02/16/17



**Test Information**

Test Method: LM-79-08  
Report Number: P29274  
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: 2WPLD2040R  
Description: 2' LOW PROFILE LED WRAP 2000LM  
Light Source: -  
Ballast/Driver: -

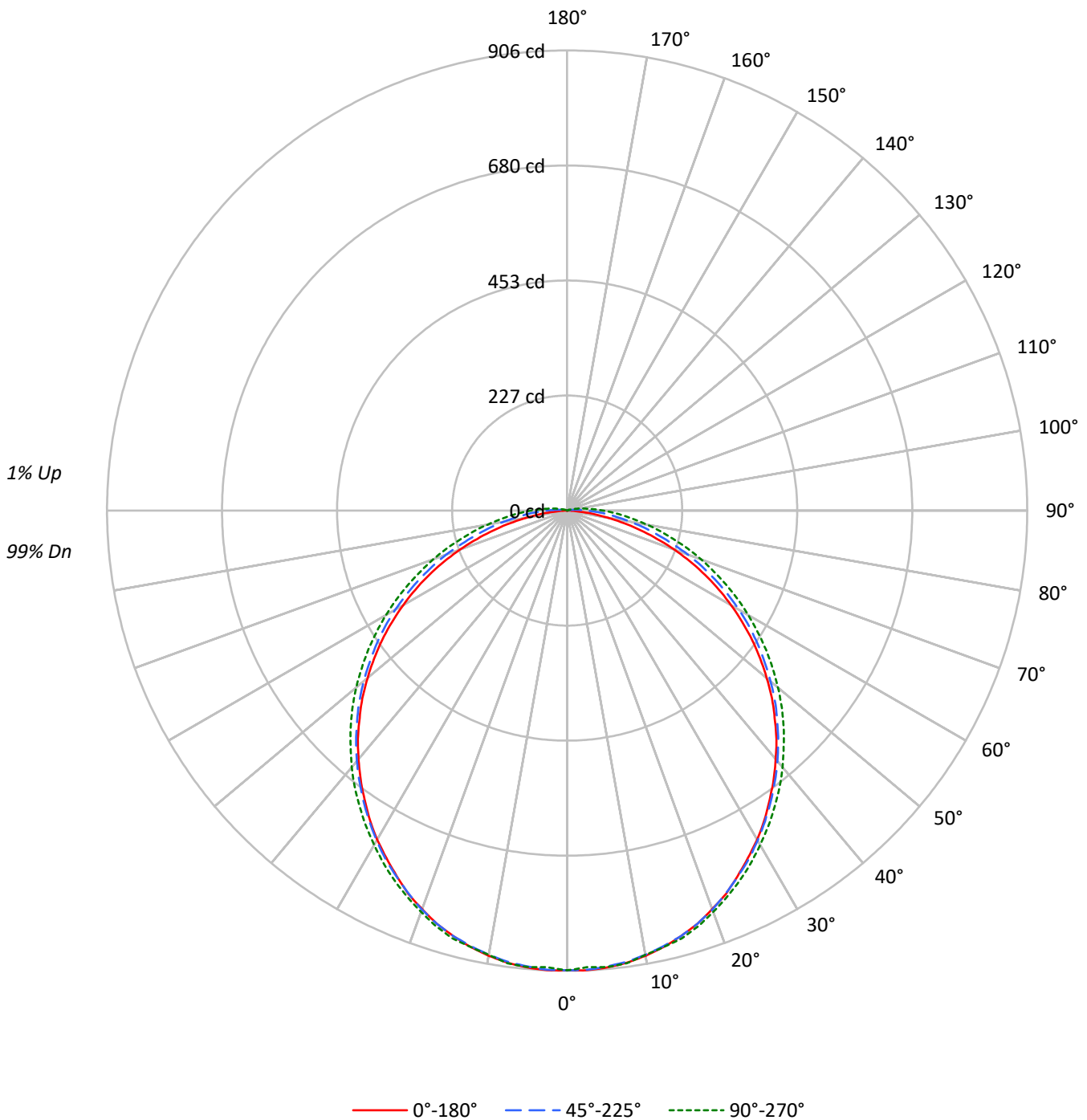
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2622.9 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 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): 23.9  
Input Voltage (V): 120.1  
Input Current (A<sub>in</sub>): 0.201  
Voltage Rise (V): NR  
Power Factor: 0.9959  
Total Harmonic Distortion (THDi): 13.1  
Frequency (hertz): 60  
Stabilization Time: 0.5 HR  
Operation Time: 8 HR  
Ambient Temperature (°C): 24.9  
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99				
1	108	103	98	94	105	100	96	93	96	93	89	92	89	87	88	86	84	82				
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68				
3	89	78	70	63	87	77	69	63	73	67	61	71	65	60	68	63	59	57				
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	51	48				
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	54	49	44	42				
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36				
7	64	51	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32				
8	60	46	38	32	58	45	37	31	44	37	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	26	36	30	25	35	29	25	23				

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

	0°	45°	90°
0°	14612	14612	14612
5°	14582	14344	14306
10°	14485	14048	13944
15°	14332	13733	13661
20°	14133	13361	13245
25°	13876	12920	12828
30°	13618	12495	12382
35°	13310	12039	11943
40°	13013	11571	11499
45°	12670	11074	11015
50°	12276	10545	10489
55°	11823	9959	9915
60°	11234	9303	9284
65°	10521	8503	8580
70°	9488	7624	7836
75°	8098	6486	6971
80°	6167	5400	6115
85°	3388	4249	5331



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.6	3.3
10°-20°	244.6	9.3
20°-30°	367.0	14.0
30°-40°	438.2	16.7
40°-50°	452.5	17.3
50°-60°	409.8	15.6
60°-70°	318.3	12.1
70°-80°	195.7	7.5
80°-90°	82.5	3.1
90°-100°	22.5	0.9
100°-110°	5.0	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°	697.3	26.6
0°-40°	1135.5	43.3
0°-60°	1997.8	76.2
0°-90°	2594.2	98.9
90°-120°	28.6	1.1
90°-150°	28.6	1.1
90°-180°	29.0	1.1
0°-180°	2622.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	905	905	905	905	905	
5°	903	903	901	899	902	86
15°	867	867	867	867	872	245
25°	794	793	795	797	804	366
35°	695	693	699	705	712	435
45°	578	576	585	595	603	446
55°	445	445	458	470	478	397
65°	300	306	321	336	345	296
75°	150	161	184	207	216	159
85°	27	44	77	101	111	34
90°	0	14	40	62	71	1
95°	0	3	18	34	41	0
105°	1	1	3	7	10	1
115°	2	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°	905	905	905	905	905
2.5°	906	907	905	901	900
5°	903	903	901	899	902
7.5°	898	897	896	895	899
10°	890	890	888	886	888
12.5°	880	880	878	877	880
15°	867	867	867	867	872
17.5°	853	852	853	854	858
20°	835	835	836	837	841
22.5°	817	815	816	817	823
25°	794	793	795	797	804
27.5°	771	771	774	777	783
30°	748	746	750	755	760
32.5°	723	720	725	730	737
35°	695	693	699	705	712
37.5°	668	666	672	679	687
40°	639	636	644	652	660
42.5°	610	607	615	624	631
45°	578	576	585	595	603
47.5°	547	545	555	564	573
50°	513	512	523	533	542
52.5°	479	479	490	502	510
55°	445	445	458	470	478
57.5°	409	411	425	437	445
60°	373	376	391	404	412
62.5°	337	341	356	370	379
65°	300	306	321	336	345
67.5°	262	270	287	304	312
70°	224	232	253	271	280
72.5°	186	196	217	239	249
75°	150	161	184	207	216
77.5°	115	127	155	178	188
80°	82	96	126	151	159
82.5°	52	68	100	124	133
85°	27	44	77	101	111
87.5°	8	27	57	80	90
90°	0	14	40	62	71
92.5°	0	6	27	47	55
95°	0	3	18	34	41
97.5°	0	1	11	25	30
100°	0	1	7	17	22
102.5°	1	1	4	11	15
105°	1	1	3	7	10
107.5°	1	1	2	5	7
110°	1	1	2	3	5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1	1	2	3	3
115°	2	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)