

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: P29276

Luminaire Tested: **2WPLD2035R**

Test Date: 02/16/17



**Test Information**

Test Method: LM-79-08  
Report Number: P29276  
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: 2WPLD2035R  
Description: 2' LOW PROFILE LED WRAP 2000LM  
Light Source: -  
Ballast/Driver: -

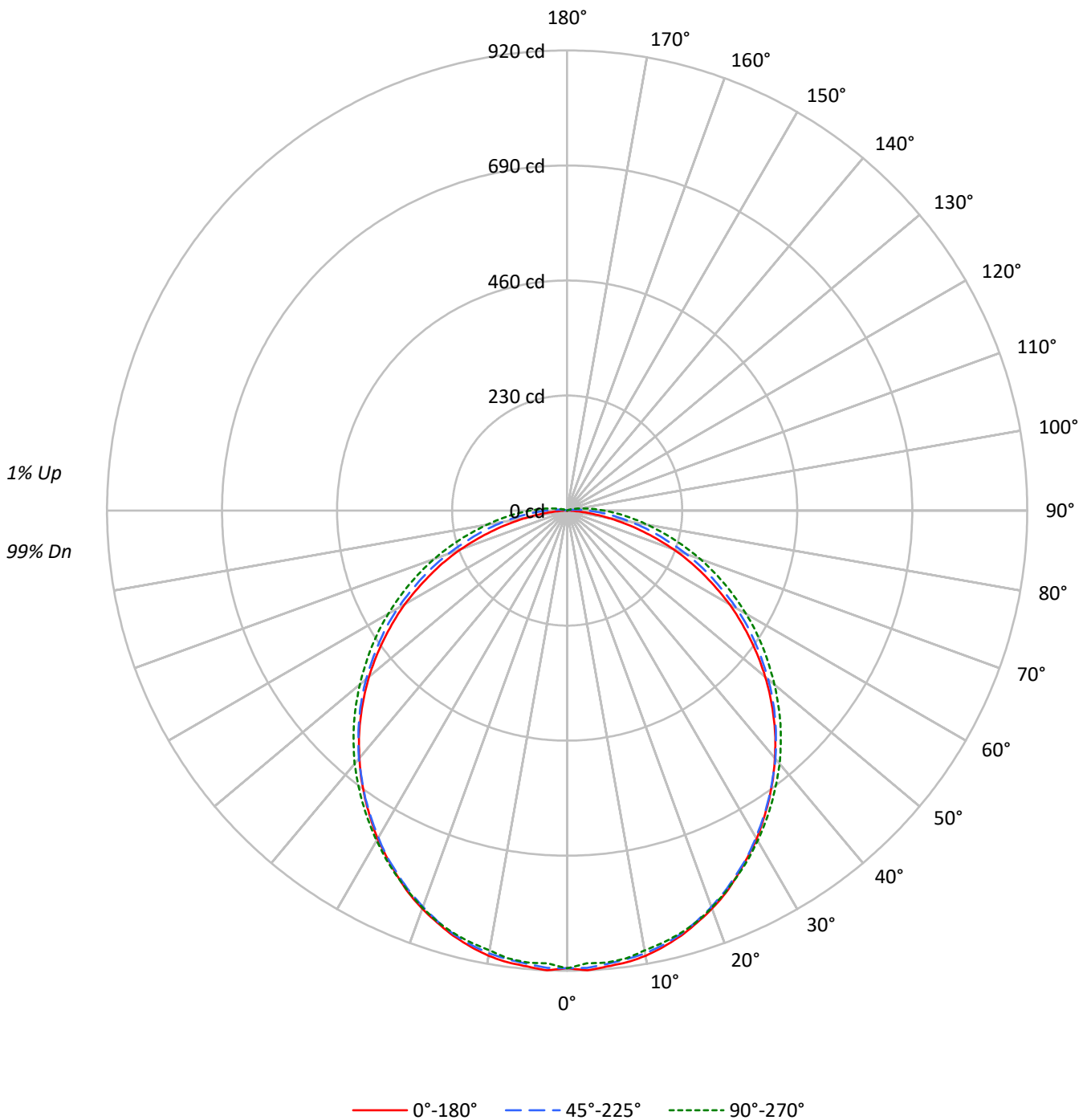
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2644.8 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.24 / 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>): 0.195  
Voltage Rise (V): NR  
Power Factor: 0.9954  
Total Harmonic Distortion (THDi): 12.8  
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	106	106	106	101	101	101	99
1	108	103	98	94	105	100	96	93	96	93	89	92	89	86	88	86	84	81
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	67
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	32	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	39	31	26	37	30	26	36	30	25	35	29	25	23

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

	0°	45°	90°
0°	14773	14773	14773
5°	14776	14487	14386
10°	14713	14222	14023
15°	14547	13892	13708
20°	14336	13473	13308
25°	14068	13034	12860
30°	13800	12578	12415
35°	13483	12108	11960
40°	13156	11643	11516
45°	12802	11131	11015
50°	12372	10585	10470
55°	11850	9959	9915
60°	11294	9303	9307
65°	10521	8503	8630
70°	9573	7624	7920
75°	8152	6592	7100
80°	6167	5485	6268
85°	3263	4359	5475



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.6	3.3
10°-20°	247.2	9.3
20°-30°	370.4	14.0
30°-40°	441.4	16.7
40°-50°	455.3	17.2
50°-60°	411.4	15.6
60°-70°	319.2	12.1
70°-80°	197.6	7.5
80°-90°	84.7	3.2
90°-100°	24.3	0.9
100°-110°	5.6	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°	704.2	26.6
0°-40°	1145.5	43.3
0°-60°	2012.2	76.1
0°-90°	2613.7	98.8
90°-120°	31.1	1.2
90°-150°	31.1	1.2
90°-180°	31.0	1.2
0°-180°	2644.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	915	915	915	915	915	
5°	915	911	910	911	907	87
15°	880	874	877	880	875	248
25°	805	799	802	808	806	371
35°	704	696	703	714	713	440
45°	584	577	588	602	603	450
55°	446	444	458	475	478	399
65°	300	303	321	341	347	297
75°	151	161	187	210	220	160
85°	26	45	79	105	114	33
90°	0	15	42	66	74	1
95°	0	3	20	37	44	0
105°	1	1	3	9	11	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°	915	915	915	915	915
2.5°	920	915	915	912	906
5°	915	911	910	911	907
7.5°	911	905	905	908	903
10°	904	898	899	899	893
12.5°	893	887	889	890	885
15°	880	874	877	880	875
17.5°	864	858	861	866	862
20°	847	841	843	847	845
22.5°	828	821	824	828	826
25°	805	799	802	808	806
27.5°	781	776	780	787	785
30°	758	751	755	765	762
32.5°	731	723	729	740	738
35°	704	696	703	714	713
37.5°	676	668	675	687	687
40°	646	638	648	660	661
42.5°	616	609	618	632	632
45°	584	577	588	602	603
47.5°	551	546	557	572	572
50°	517	512	525	540	541
52.5°	482	478	491	507	509
55°	446	444	458	475	478
57.5°	411	412	426	442	446
60°	375	375	391	409	413
62.5°	337	340	355	374	380
65°	300	303	321	341	347
67.5°	264	269	287	307	315
70°	226	232	253	274	283
72.5°	187	195	218	243	251
75°	151	161	187	210	220
77.5°	116	128	157	182	190
80°	82	96	128	154	163
82.5°	52	69	102	129	137
85°	26	45	79	105	114
87.5°	8	27	59	84	93
90°	0	15	42	66	74
92.5°	0	7	29	50	58
95°	0	3	20	37	44
97.5°	0	2	13	27	33
100°	0	1	8	19	23
102.5°	1	1	5	13	16
105°	1	1	3	9	11
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)