

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: P29277

Luminaire Tested: **2WPLD2035C**

Test Date: 02/17/17



Test Information

Test Method: LM-79-08
Report Number: P29277
Test Lab: INNOVATION CENTER-P2
Test Date: 02/17/17
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2WPLD2035C
Description: 2' LOW PROFILE LED WRAP 2000LM
Light Source: -
Ballast/Driver: -

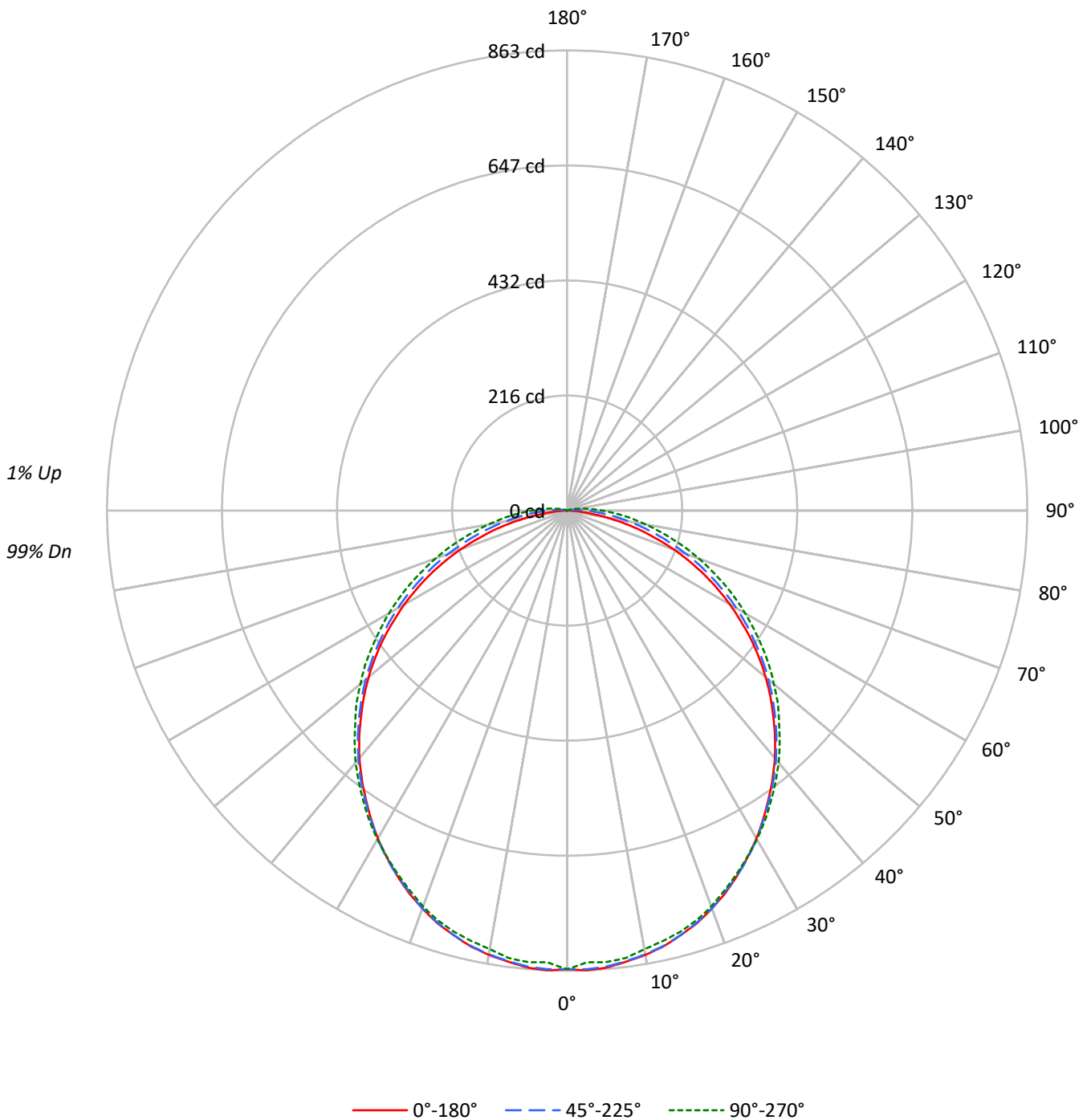
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2476.3 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.08')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V): 120.1
Input Current (A_{in}): 0.183
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.68
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 8 HR
Ambient Temperature (°C): 25.0
Test Distance: 25 FT

TEST NUMBER: P29277
CATALOG NUMBER: 2WPLD2035C

Luminous Intensity Polar Plot





TEST NUMBER: P29277

CATALOG NUMBER: 2WPLD2035C

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	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	90	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	74	67	61	71	65	60	68	63	59	57								
4	82	69	60	54	79	68	60	53	65	58	52	63	57	51	61	55	51	48								
5	75	62	53	46	73	61	52	46	59	51	45	56	50	45	54	49	44	42								
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	49	43	39	37								
7	64	51	42	36	62	50	41	35	48	41	35	47	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	29	54	42	34	28	41	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	36	30	25	23								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13885	13885	13885
5°	13888	13660	13482
10°	13769	13368	13112
15°	13621	13052	12815
20°	13439	12690	12442
25°	13194	12270	11998
30°	12926	11845	11600
35°	12621	11385	11172
40°	12341	10942	10750
45°	11990	10449	10266
50°	11630	9940	9792
55°	11185	9350	9272
60°	10632	8732	8698
65°	9925	7973	8058
70°	8980	7142	7360
75°	7666	6134	6551
80°	5791	5057	5768
85°	3012	3918	4995



TEST NUMBER: P29277

CATALOG NUMBER: 2WPLD2035C

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	3.3
10°-20°	232.0	9.4
20°-30°	347.6	14.0
30°-40°	414.4	16.7
40°-50°	427.2	17.3
50°-60°	386.5	15.6
60°-70°	299.7	12.1
70°-80°	184.0	7.4
80°-90°	77.1	3.1
90°-100°	20.9	0.8
100°-110°	4.8	0.2
110°-120°	1.0	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°	660.9	26.7
0°-40°	1075.3	43.4
0°-60°	1888.9	76.3
0°-90°	2449.7	98.9
90°-120°	26.6	1.1
90°-150°	26.6	1.1
90°-180°	27.0	1.1
0°-180°	2476.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	860	860	860	860	860	
5°	860	857	858	856	850	82
15°	824	821	824	825	818	233
25°	755	751	755	758	752	348
35°	659	654	661	669	666	413
45°	547	543	552	564	562	422
55°	421	419	430	445	447	376
65°	283	287	301	319	324	280
75°	142	151	174	195	203	151
85°	24	42	71	95	104	31
90°	0	13	37	58	66	1
95°	0	3	16	32	39	0
105°	1	1	3	7	10	1
115°	1	1	1	2	2	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



TEST NUMBER: P29277

CATALOG NUMBER: 2WPLD2035C

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	860	860	860	860	860
2.5°	863	860	861	858	848
5°	860	857	858	856	850
7.5°	853	851	852	852	846
10°	846	844	845	843	835
12.5°	837	834	836	834	827
15°	824	821	824	825	818
17.5°	811	807	810	812	806
20°	794	790	794	795	790
22.5°	776	771	774	777	771
25°	755	751	755	758	752
27.5°	733	728	734	738	732
30°	710	705	711	717	712
32.5°	685	681	686	694	690
35°	659	654	661	669	666
37.5°	633	629	636	645	642
40°	606	601	609	619	617
42.5°	577	573	581	592	590
45°	547	543	552	564	562
47.5°	517	514	523	535	536
50°	486	483	493	506	506
52.5°	454	452	462	476	478
55°	421	419	430	445	447
57.5°	386	388	399	414	416
60°	353	354	367	383	386
62.5°	318	320	334	351	355
65°	283	287	301	319	324
67.5°	248	253	270	287	292
70°	212	218	237	257	263
72.5°	176	183	204	226	233
75°	142	151	174	195	203
77.5°	109	119	145	167	175
80°	77	91	118	141	150
82.5°	48	64	93	117	126
85°	24	42	71	95	104
87.5°	7	25	52	75	84
90°	0	13	37	58	66
92.5°	0	6	25	44	51
95°	0	3	16	32	39
97.5°	0	1	10	23	28
100°	0	1	6	16	20
102.5°	0	1	4	11	14
105°	1	1	3	7	10
107.5°	1	1	2	5	7
110°	1	1	1	3	4



TEST NUMBER: P29277
CATALOG NUMBER: 2WPLD2035C

CANDELA DISTRIBUTION (continued):

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