

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: P29264

Luminaire Tested: **4WPLD3130R9**

Test Date: 02/13/17



Test Information

Test Method: LM-79-08
Report Number: P29264
Test Lab: INNOVATION CENTER-P2
Test Date: 02/13/17
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4WPLD3130R9
Description: 4' LOW PROFILE LED WRAP 3100LM
Light Source: -
Ballast/Driver: -

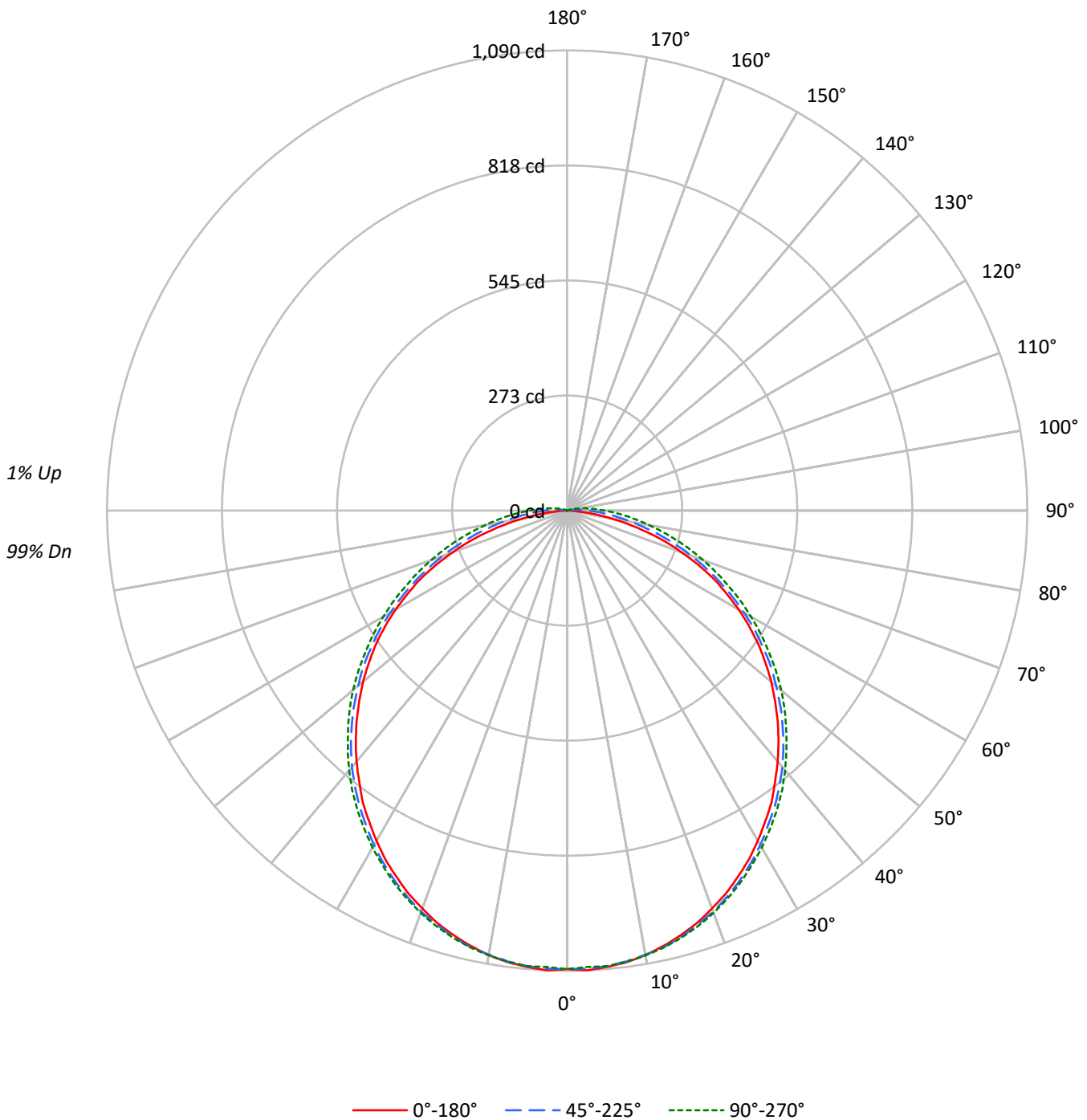
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3210.1 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 3.58' x H: 0.08')
CIE Type: Direct

Input Watts (W): 36.6
Input Voltage (V): 120.0
Input Current (Ain): 0.308
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 14.2
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 8 HR
Ambient Temperature (°C): 24.8
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	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	76	69	62	73	67	61	70	65	60	68	63	59	56
4	81	69	60	53	79	68	59	53	65	58	52	62	56	51	60	55	50	48
5	75	62	52	46	73	60	52	45	58	51	45	56	49	44	54	48	44	41
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9787	9787	9787
5°	9795	9634	9587
10°	9742	9451	9378
15°	9652	9269	9155
20°	9538	9058	8913
25°	9414	8820	8656
30°	9272	8566	8384
35°	9136	8304	8108
40°	8954	8027	7808
45°	8781	7711	7484
50°	8608	7362	7151
55°	8409	6982	6750
60°	8126	6536	6326
65°	7799	6000	5844
70°	7133	5387	5342
75°	6183	4653	4809
80°	4768	3838	4207
85°	2696	3061	3672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	3.2
10°-20°	293.6	9.1
20°-30°	443.1	13.8
30°-40°	532.7	16.6
40°-50°	553.8	17.3
50°-60°	505.9	15.8
60°-70°	394.5	12.3
70°-80°	243.2	7.6
80°-90°	102.9	3.2
90°-100°	29.6	0.9
100°-110°	6.8	0.2
110°-120°	1.3	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°	839.3	26.1
0°-40°	1372.0	42.7
0°-60°	2431.8	75.8
0°-90°	3172.3	98.8
90°-120°	37.8	1.2
90°-150°	37.8	1.2
90°-180°	38.0	1.2
0°-180°	3210.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1085	1077	1083	1078	1083	103
15°	1041	1034	1045	1040	1047	294
25°	957	954	967	961	972	441
35°	844	842	857	854	866	527
45°	705	707	722	722	734	544
55°	553	555	567	572	583	494
65°	384	384	398	410	421	377
75°	193	202	230	253	267	205
85°	33	57	95	125	137	43
90°	0	19	52	78	89	1
95°	0	4	24	45	54	0
105°	1	1	4	11	15	1
115°	1	1	1	3	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°	1086	1086	1086	1086	1086
2.5°	1090	1080	1086	1081	1082
5°	1085	1077	1083	1078	1083
7.5°	1079	1070	1077	1072	1078
10°	1069	1061	1068	1064	1070
12.5°	1056	1049	1059	1053	1060
15°	1041	1034	1045	1040	1047
17.5°	1024	1017	1028	1024	1032
20°	1003	998	1011	1005	1014
22.5°	982	977	990	983	994
25°	957	954	967	961	972
27.5°	932	928	942	936	947
30°	903	901	915	910	922
32.5°	873	872	885	882	894
35°	844	842	857	854	866
37.5°	809	810	825	822	836
40°	776	779	793	791	803
42.5°	741	743	758	756	769
45°	705	707	722	722	734
47.5°	668	670	685	687	699
50°	631	635	646	651	662
52.5°	592	596	609	613	623
55°	553	555	567	572	583
57.5°	512	515	527	533	544
60°	469	472	484	492	503
62.5°	425	428	441	452	463
65°	384	384	398	410	421
67.5°	336	340	355	370	382
70°	288	293	313	330	342
72.5°	243	249	271	293	304
75°	193	202	230	253	267
77.5°	147	160	190	217	230
80°	104	121	155	184	196
82.5°	67	86	124	154	165
85°	33	57	95	125	137
87.5°	10	35	71	101	111
90°	0	19	52	78	89
92.5°	0	10	36	60	70
95°	0	4	24	45	54
97.5°	0	2	16	33	40
100°	1	1	10	23	30
102.5°	0	1	6	16	21
105°	1	1	4	11	15
107.5°	1	0	3	7	10
110°	1	0	2	5	6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1	1	2	3	4
115°	1	1	1	3	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)