

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: P29265

Luminaire Tested: **4WPLD3140R9**

Test Date: 02/14/17



Test Information

Test Method: LM-79-08
Report Number: P29265
Test Lab: INNOVATION CENTER-P2
Test Date: 02/14/17
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4WPLD3140R9
Description: 4' LOW PROFILE LED WRAP 3100LM
Light Source: -
Ballast/Driver: -

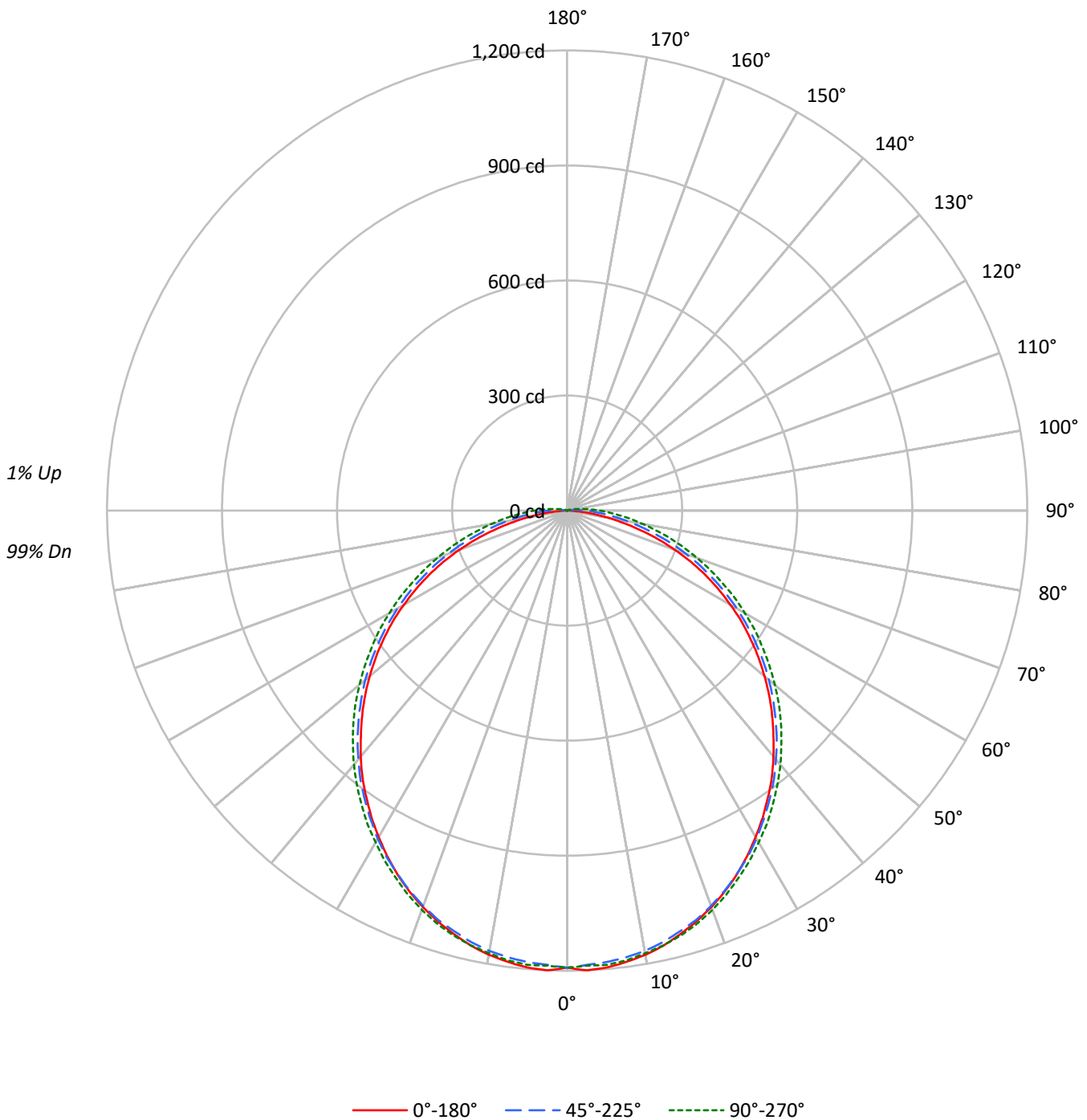
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3422.4 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.25 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 3.58' x H: 0.08')
CIE Type: Direct

Input Watts (W): 36.3
Input Voltage (V): 120.0
Input Current (Ain): 0.305
Voltage Rise (V): NR
Power Factor: 1
Total Harmonic Distortion (THDi): 13.9
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 8 HR
Ambient Temperature (°C): 25.1
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	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	99	94	105	101	97	93	96	93	90	92	89	87	88	86	84	82								
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68								
3	89	79	70	64	87	77	69	63	74	67	62	71	65	60	68	63	59	57								
4	82	69	61	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49								
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	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	63	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	42	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	38	31	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10742	10742	10742
5°	10797	10515	10526
10°	10717	10318	10272
15°	10598	10077	10029
20°	10460	9829	9740
25°	10299	9541	9413
30°	10093	9249	9084
35°	9883	8915	8754
40°	9658	8574	8411
45°	9416	8213	8044
50°	9167	7829	7637
55°	8880	7388	7201
60°	8524	6901	6729
65°	8084	6317	6191
70°	7405	5663	5623
75°	6376	4835	4989
80°	5043	3937	4293
85°	2777	2997	3619



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.3
10°-20°	321.2	9.4
20°-30°	482.0	14.1
30°-40°	575.1	16.8
40°-50°	592.6	17.3
50°-60°	536.5	15.7
60°-70°	415.8	12.1
70°-80°	253.1	7.4
80°-90°	101.9	3.0
90°-100°	25.3	0.7
100°-110°	5.1	0.1
110°-120°	1.4	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°	915.8	26.8
0°-40°	1490.9	43.6
0°-60°	2619.9	76.6
0°-90°	3390.7	99.1
90°-120°	31.7	0.9
90°-150°	31.7	0.9
90°-180°	32.0	0.9
0°-180°	3422.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1192	1192	1192	1192	1192	
5°	1196	1182	1182	1187	1189	113
15°	1143	1132	1136	1142	1147	322
25°	1047	1037	1046	1048	1057	482
35°	913	908	920	924	935	571
45°	756	754	769	776	789	583
55°	584	585	600	612	622	522
65°	398	403	419	436	446	393
75°	199	210	239	266	277	212
85°	34	56	93	123	135	44
90°	0	16	47	73	84	1
95°	0	3	19	38	46	0
105°	1	1	3	7	10	1
115°	1	1	2	3	4	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°	1192	1192	1192	1192	1192
2.5°	1200	1187	1186	1192	1188
5°	1196	1182	1182	1187	1189
7.5°	1187	1174	1175	1179	1183
10°	1176	1163	1166	1169	1172
12.5°	1162	1149	1153	1157	1161
15°	1143	1132	1136	1142	1147
17.5°	1123	1113	1119	1124	1129
20°	1100	1090	1097	1099	1108
22.5°	1075	1064	1073	1073	1084
25°	1047	1037	1046	1048	1057
27.5°	1016	1008	1019	1021	1030
30°	983	977	988	991	999
32.5°	949	943	954	958	969
35°	913	908	920	924	935
37.5°	877	871	885	890	901
40°	837	833	847	853	865
42.5°	796	794	809	816	827
45°	756	754	769	776	789
47.5°	715	713	728	738	749
50°	672	672	687	696	707
52.5°	629	629	644	653	665
55°	584	585	600	612	622
57.5°	540	541	556	569	581
60°	492	496	511	524	535
62.5°	445	449	466	480	493
65°	398	403	419	436	446
67.5°	349	354	375	393	403
70°	299	305	329	349	360
72.5°	249	258	285	306	318
75°	199	210	239	266	277
77.5°	152	165	198	226	236
80°	110	124	159	188	200
82.5°	69	87	124	154	167
85°	34	56	93	123	135
87.5°	10	32	68	96	108
90°	0	16	47	73	84
92.5°	0	7	31	54	63
95°	0	3	19	38	46
97.5°	0	2	12	26	33
100°	0	1	7	17	23
102.5°	1	1	4	11	15
105°	1	1	3	7	10
107.5°	1	1	3	5	6
110°	1	1	2	4	5



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CANDELA DISTRIBUTION (continued):

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