

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: P29266

Luminaire Tested: **4WPLD4035R**

Test Date: 02/13/17



**Test Information**

Test Method: LM-79-08  
Report Number: P29266  
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: 4WPLD4035R  
Description: 4' LOW PROFILE LED WRAP 4000LM  
Light Source: -  
Ballast/Driver: -

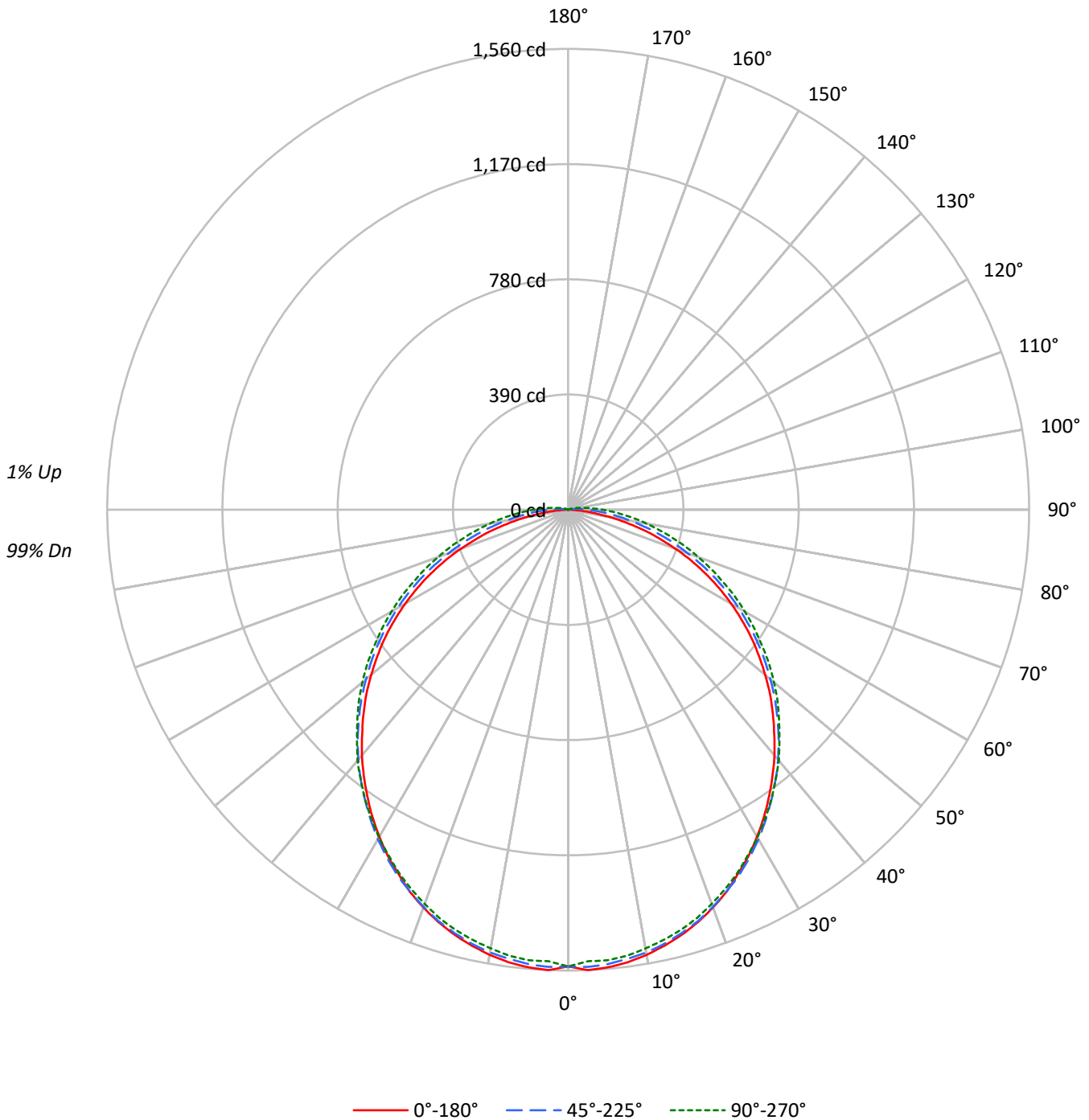
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4460.3 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 3.58' x L: 0.33' x H: 0.08')  
CIE Type: Direct

Input Watts (W): 43  
Input Voltage (V): 120.0  
Input Current (A<sub>in</sub>): 0.330  
Voltage Rise (V): NR  
Power Factor: 0.9963  
Total Harmonic Distortion (THDi): 6.45  
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	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	35	62	50	41	35	48	40	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	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	30	25	23

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

	0°	45°	90°
0°	13932	13932	13932
5°	13766	13735	13821
10°	13409	13468	13743
15°	13020	13164	13657
20°	12596	12822	13504
25°	12111	12460	13338
30°	11621	12058	13153
35°	11094	11619	12968
40°	10560	11186	12796
45°	9992	10702	12567
50°	9397	10176	12400
55°	8764	9629	12165
60°	8012	9007	11955
65°	7135	8277	11719
70°	6029	7401	11590
75°	4719	6413	11630
80°	3048	5274	12333
85°	1206	4125	14948



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.2	3.3
10°-20°	417.0	9.3
20°-30°	625.7	14.0
30°-40°	746.1	16.7
40°-50°	768.9	17.2
50°-60°	696.8	15.6
60°-70°	541.4	12.1
70°-80°	333.7	7.5
80°-90°	138.1	3.1
90°-100°	36.7	0.8
100°-110°	8.0	0.2
110°-120°	1.9	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°	1188.9	26.7
0°-40°	1935.0	43.4
0°-60°	3400.6	76.2
0°-90°	4413.8	99.0
90°-120°	46.5	1.0
90°-150°	46.5	1.0
90°-180°	47.0	1.1
0°-180°	4460.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1546	1546	1546	1546	1546	
5°	1555	1534	1544	1537	1531	148
15°	1489	1467	1484	1484	1473	420
25°	1360	1343	1366	1366	1356	627
35°	1185	1172	1199	1207	1198	741
45°	980	974	1002	1015	1009	756
55°	757	757	782	801	800	676
65°	514	519	549	574	577	508
75°	262	276	317	353	363	276
85°	45	76	128	168	183	57
90°	0	23	66	102	116	2
95°	0	5	29	56	67	0
105°	1	1	5	12	16	1
115°	1	1	2	4	5	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°	1546	1546	1546	1546	1546
2.5°	1560	1541	1549	1542	1530
5°	1555	1534	1544	1537	1531
7.5°	1545	1523	1534	1529	1523
10°	1530	1508	1522	1515	1508
12.5°	1511	1489	1505	1500	1492
15°	1489	1467	1484	1484	1473
17.5°	1463	1442	1460	1460	1449
20°	1433	1411	1431	1431	1420
22.5°	1400	1379	1399	1399	1389
25°	1360	1343	1366	1366	1356
27.5°	1322	1303	1328	1331	1318
30°	1278	1262	1288	1291	1281
32.5°	1233	1218	1244	1250	1240
35°	1185	1172	1199	1207	1198
37.5°	1136	1125	1153	1162	1153
40°	1086	1076	1105	1115	1109
42.5°	1032	1025	1054	1066	1058
45°	980	974	1002	1015	1009
47.5°	927	921	949	964	961
50°	870	867	893	910	909
52.5°	814	812	838	857	857
55°	757	757	782	801	800
57.5°	698	699	724	745	746
60°	637	640	667	689	690
62.5°	576	579	608	632	636
65°	514	519	549	574	577
67.5°	451	458	490	517	523
70°	386	396	430	461	468
72.5°	322	335	373	407	417
75°	262	276	317	353	363
77.5°	199	219	264	302	314
80°	142	163	213	254	269
82.5°	89	116	167	208	225
85°	45	76	128	168	183
87.5°	13	44	94	133	148
90°	0	23	66	102	116
92.5°	0	11	44	77	89
95°	0	5	29	56	67
97.5°	0	2	18	39	49
100°	1	2	11	27	35
102.5°	1	1	7	18	24
105°	1	1	5	12	16
107.5°	1	1	4	8	11
110°	1	1	3	6	8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1	1	3	5	6
115°	1	1	2	4	5
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)