

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: P128122

Luminaire Tested: **14ALNG-LD4-26-UNV-L830-CD1-U**

Test Date: 08/28/14



Test Information

Test Method: LM-79-08
Report Number: P128122
Test Lab: INNOVATION CENTER-P2
Test Date: 08/28/14
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14ALNG-LD4-26-UNV-L830-CD1-U
Description: METALUX; ARCLINE 1X4 LED
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24768)
Light Source: -
Ballast/Driver: -

Summary

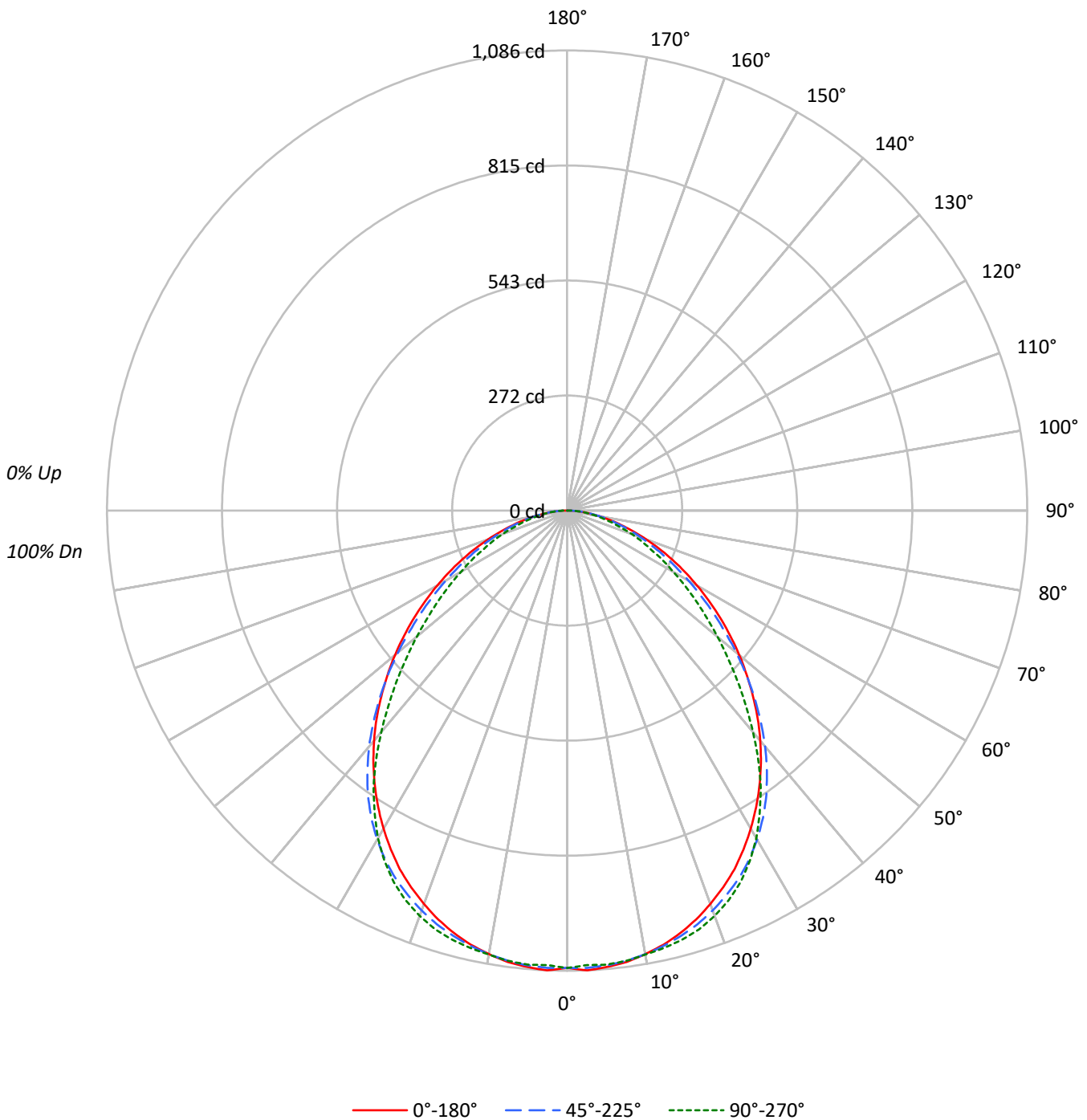
Lumens per Lamp: N/A
Luminaire Lumens: 2596.6 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.29
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 29.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
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	102	102	102	100					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37					37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33					33			
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30					30			
10	55	42	35	30	54	42	35	30	41	34	29	40	34	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3236	3236	3236
5°	3254	3242	3237
10°	3236	3236	3239
15°	3204	3225	3255
20°	3152	3204	3247
25°	3090	3170	3201
30°	3001	3104	3090
35°	2898	3000	2915
40°	2775	2846	2670
45°	2631	2651	2410
50°	2472	2432	2158
55°	2303	2203	1936
60°	2123	1984	1736
65°	1938	1788	1556
70°	1737	1628	1433
75°	1538	1482	1259
80°	1345	1345	1162
85°	1190	1259	1190



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.9
10°-20°	292.5	11.3
20°-30°	437.6	16.9
30°-40°	501.6	19.3
40°-50°	469.1	18.1
50°-60°	370.3	14.3
60°-70°	249.3	9.6
70°-80°	133.6	5.1
80°-90°	40.5	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	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°	832.3	32.1
0°-40°	1333.9	51.4
0°-60°	2173.2	83.7
0°-90°	2596.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2596.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1081	1071	1077	1075	1076	103
15°	1032	1026	1039	1044	1049	291
25°	934	934	958	965	968	429
35°	792	800	820	804	796	495
45°	620	629	625	585	568	478
55°	441	442	421	382	370	394
65°	273	273	252	228	219	271
75°	133	136	128	114	109	142
85°	35	40	37	36	35	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1086.1	1074.6	1080.3	1078.4	1073.6
5°	1081.3	1070.7	1077.4	1074.6	1075.5
7.5°	1074.6	1064.0	1071.7	1069.7	1071.7
10°	1063.0	1053.4	1063.0	1062.0	1064.0
12.5°	1049.5	1040.9	1052.4	1054.4	1057.2
15°	1032.2	1025.5	1039.0	1043.8	1048.6
17.5°	1012.0	1006.3	1023.6	1031.3	1036.1
20°	988.0	985.1	1004.3	1012.0	1017.8
22.5°	962.0	962.0	982.2	989.9	995.7
25°	934.1	934.1	958.2	964.9	967.8
27.5°	901.4	905.2	929.3	934.1	933.1
30°	866.8	872.5	896.6	895.6	892.7
32.5°	830.2	837.9	860.0	852.3	845.6
35°	791.7	800.4	819.6	804.2	796.5
37.5°	751.3	760.9	774.4	751.3	740.7
40°	709.0	718.6	727.3	695.5	682.1
42.5°	665.7	674.4	676.3	638.8	624.3
45°	620.5	629.1	625.3	584.9	568.5
47.5°	575.3	583.0	573.4	531.0	513.7
50°	530.1	535.8	521.4	478.1	462.7
52.5°	484.8	489.7	468.5	429.1	414.6
55°	440.6	442.5	421.4	381.9	370.4
57.5°	396.3	397.3	374.2	339.6	329.0
60°	354.0	354.0	330.9	299.2	289.6
62.5°	312.6	312.6	289.6	261.7	254.9
65°	273.2	273.2	252.0	228.0	219.3
67.5°	234.7	234.7	216.4	197.2	190.5
70°	198.2	199.1	185.7	177.0	163.5
72.5°	163.5	168.4	154.9	140.5	132.8
75°	132.8	135.6	127.9	113.5	108.7
77.5°	103.9	108.7	101.0	90.4	86.6
80°	77.9	82.7	77.9	69.3	67.3
82.5°	54.8	60.6	56.8	51.9	51.0
85°	34.6	40.4	36.6	35.6	34.6
87.5°	16.4	19.2	19.2	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)