

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: P24765

Luminaire Tested: **14ALNG-LD4-40-UNV-L835-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P24765
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P24765)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14ALNG-LD4-40-UNV-L835-CD1-U
Description: METALUX; ARCLINE 1X4 LED
Light Source: 3500K LEDS
Ballast/Driver: -
LEDINTA2000C24DO

Summary

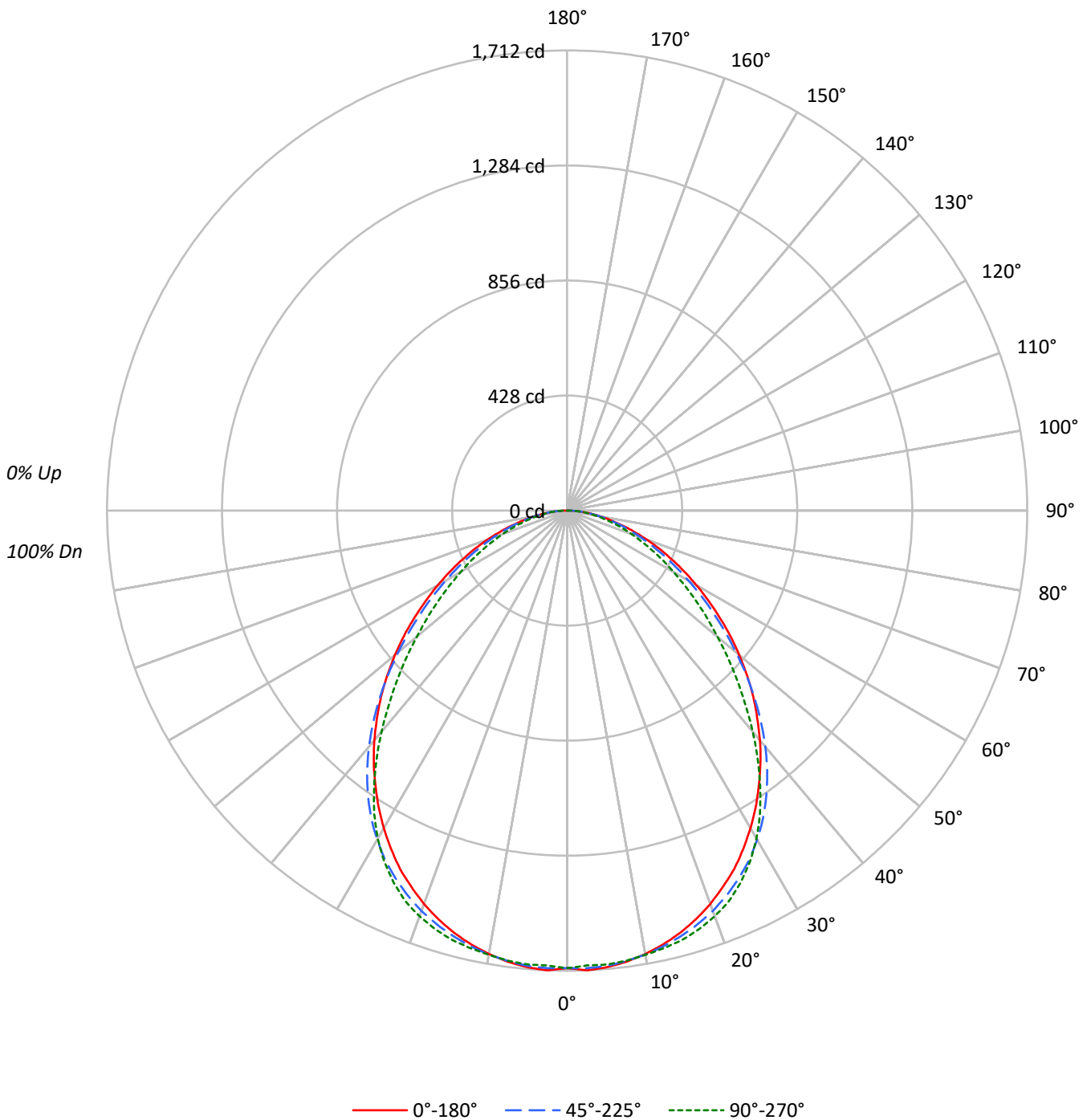
Lumens per Lamp: N/A
Luminaire Lumens: 4094.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.22 / 1.3
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 50.9
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67		75	70	65		72	68	64	62
4	85	73	65	59	82	72	64	58	70	63	57		67	61	57		65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50		61	55	50		59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44		55	49	44		54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40		51	44	39		49	43	39	37
8	63	50	42	36	61	49	41	36	48	41	36		47	40	35		45	40	35	33
9	59	46	38	32	57	45	38	32	44	37	32		43	37	32		42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	29		40	34	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5103	5103	5103
5°	5131	5116	5101
10°	5099	5105	5108
15°	5047	5087	5134
20°	4968	5057	5124
25°	4866	4995	5051
30°	4722	4895	4878
35°	4553	4729	4582
40°	4368	4489	4203
45°	4151	4181	3795
50°	3899	3825	3400
55°	3617	3465	3053
60°	3334	3124	2734
65°	3036	2816	2462
70°	2752	2560	2235
75°	2433	2340	2004
80°	2158	2124	1865
85°	1926	1995	1926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	3.9
10°-20°	461.3	11.3
20°-30°	690.0	16.9
30°-40°	790.1	19.3
40°-50°	739.9	18.1
50°-60°	584.3	14.3
60°-70°	392.3	9.6
70°-80°	210.8	5.1
80°-90°	64.1	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°	1312.5	32.1
0°-40°	2102.6	51.4
0°-60°	3426.8	83.7
0°-90°	4094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1705	1689	1700	1695	1695	162
15°	1626	1617	1639	1647	1654	458
25°	1471	1474	1510	1522	1527	676
35°	1244	1260	1292	1263	1252	778
45°	979	992	986	924	895	754
55°	692	698	663	606	584	620
65°	428	429	397	360	347	427
75°	210	213	202	180	173	226
85°	56	62	58	56	56	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1702	1702	1702	1702	1702
2.5°	1712	1695	1704	1700	1694
5°	1705	1689	1700	1695	1695
7.5°	1693	1678	1690	1688	1689
10°	1675	1662	1677	1676	1678
12.5°	1653	1641	1660	1662	1667
15°	1626	1617	1639	1647	1654
17.5°	1594	1588	1614	1626	1633
20°	1557	1554	1585	1597	1606
22.5°	1515	1516	1550	1562	1573
25°	1471	1474	1510	1522	1527
27.5°	1419	1427	1466	1470	1473
30°	1364	1376	1414	1410	1409
32.5°	1306	1321	1357	1341	1336
35°	1244	1260	1292	1263	1252
37.5°	1182	1198	1223	1184	1165
40°	1116	1133	1147	1098	1074
42.5°	1047	1064	1068	1011	983
45°	979	992	986	924	895
47.5°	908	920	903	837	812
50°	836	846	820	756	729
52.5°	765	772	740	679	656
55°	692	698	663	606	584
57.5°	623	627	592	537	518
60°	556	558	521	472	456
62.5°	491	491	458	414	402
65°	428	429	397	360	347
67.5°	371	369	341	310	299
70°	314	313	292	272	255
72.5°	260	264	245	221	212
75°	210	213	202	180	173
77.5°	166	171	159	143	137
80°	125	131	123	110	108
82.5°	89	95	89	82	81
85°	56	62	58	56	56
87.5°	26	31	30	30	30
90°	0	0	0	0	0

(END OF REPORT)