

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: P24767

Luminaire Tested: **14ALNG-LD4-30-UNV-L835-CD1-U**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P24767
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P24767)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14ALNG-LD4-30-UNV-L835-CD1-U
Description: METALUX; ARCLINE 1X4 LED
Light Source: 3500K LEDS
Ballast/Driver: -
LEDINTA2000C24DO

Summary

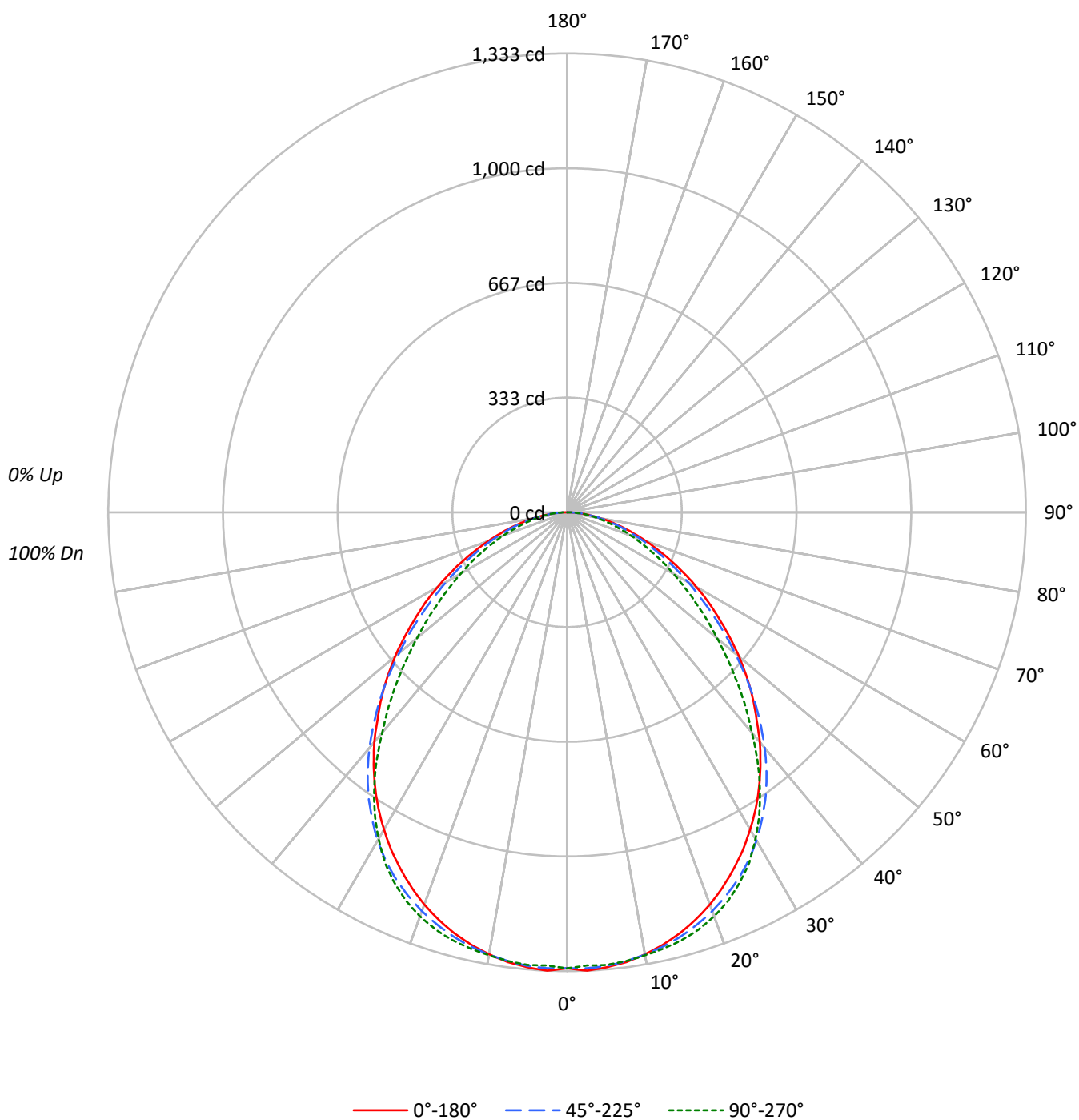
Lumens per Lamp: N/A
Luminaire Lumens: 3186.5 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.3
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 36.1
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

TEST NUMBER: P24767

CATALOG NUMBER: 14ALNG-LD4-30-UNV-L835-CD1-U

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3972	3972	3972
5°	3994	3982	3973
10°	3970	3973	3979
15°	3929	3960	3995
20°	3870	3934	3985
25°	3784	3890	3927
30°	3683	3812	3791
35°	3561	3682	3576
40°	3409	3495	3268
45°	3235	3256	2964
50°	3041	2971	2654
55°	2817	2692	2378
60°	2602	2434	2135
65°	2369	2199	1915
70°	2130	1990	1736
75°	1911	1807	1541
80°	1692	1657	1433
85°	1514	1548	1479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	3.9
10°-20°	359.0	11.3
20°-30°	537.0	16.9
30°-40°	615.7	19.3
40°-50°	576.1	18.1
50°-60°	454.4	14.3
60°-70°	305.3	9.6
70°-80°	163.9	5.1
80°-90°	49.8	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°	1021.4	32.1
0°-40°	1637.1	51.4
0°-60°	2667.6	83.7
0°-90°	3186.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3186.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1325	1325	1325	1325	1325	
5°	1327	1315	1323	1319	1320	126
15°	1266	1259	1276	1282	1287	357
25°	1144	1147	1176	1182	1187	527
35°	973	982	1006	987	977	608
45°	763	773	768	719	699	588
55°	539	543	515	470	455	484
65°	334	333	310	279	270	332
75°	165	166	156	140	133	176
85°	44	49	45	44	43	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1325	1325	1325	1325	1325
2.5°	1333	1319	1326	1323	1318
5°	1327	1315	1323	1319	1320
7.5°	1318	1307	1315	1313	1315
10°	1304	1294	1305	1304	1307
12.5°	1287	1278	1292	1293	1298
15°	1266	1259	1276	1282	1287
17.5°	1241	1236	1256	1264	1271
20°	1213	1210	1233	1242	1249
22.5°	1180	1180	1206	1214	1222
25°	1144	1147	1176	1182	1187
27.5°	1106	1110	1141	1145	1147
30°	1064	1071	1101	1098	1095
32.5°	1020	1028	1055	1047	1040
35°	973	982	1006	987	977
37.5°	923	932	952	923	909
40°	871	881	893	855	835
42.5°	815	828	831	787	768
45°	763	773	768	719	699
47.5°	708	716	703	651	632
50°	652	658	637	587	569
52.5°	595	601	576	527	511
55°	539	543	515	470	455
57.5°	488	488	458	417	404
60°	434	434	406	368	356
62.5°	383	382	355	322	314
65°	334	333	310	279	270
67.5°	287	286	266	241	233
70°	243	243	227	215	198
72.5°	202	206	190	172	163
75°	165	166	156	140	133
77.5°	130	133	123	111	107
80°	98	101	96	85	83
82.5°	69	74	69	64	63
85°	44	49	45	44	43
87.5°	21	23	23	23	23
90°	0	0	0	0	0

(END OF REPORT)