

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

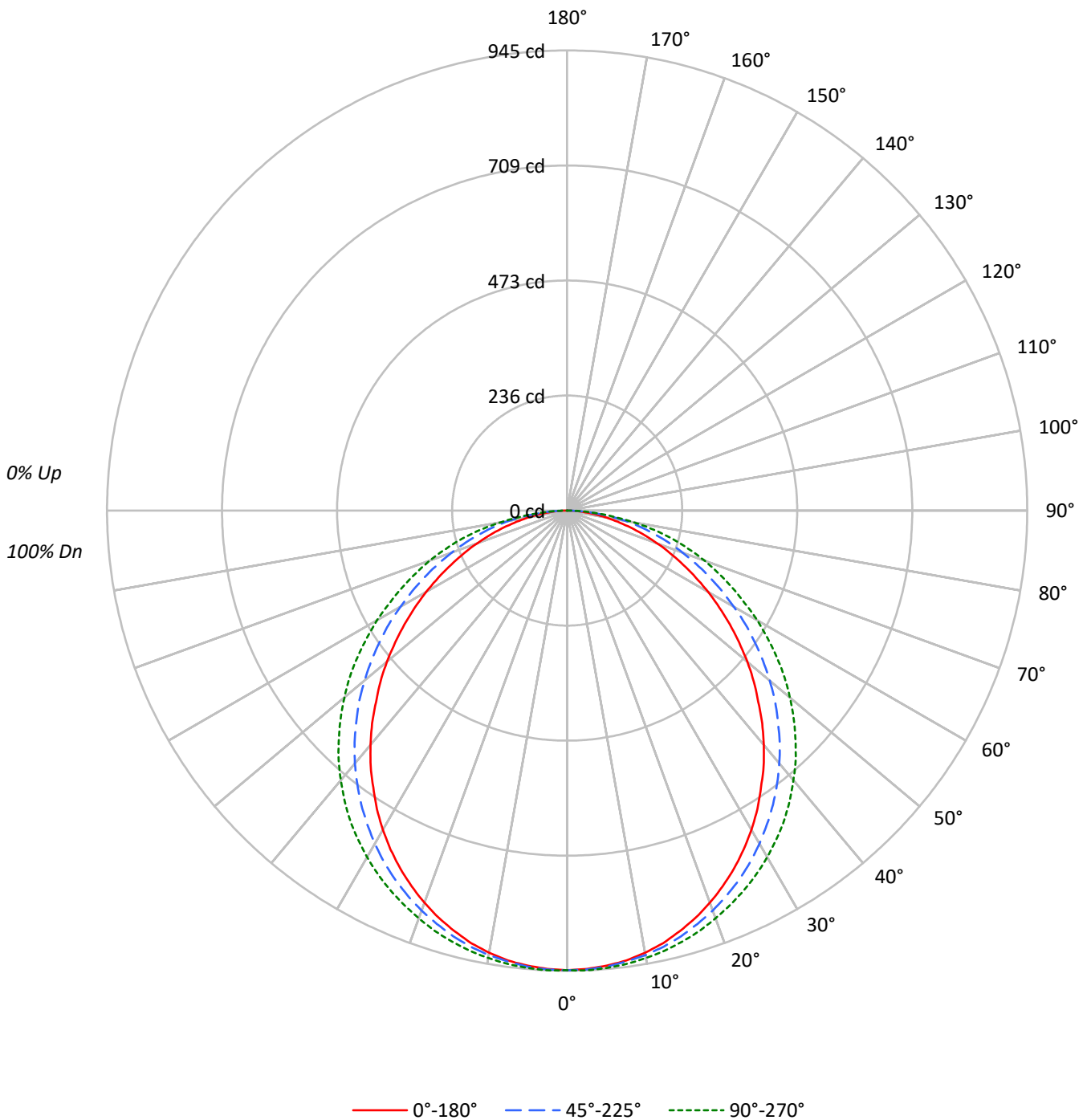
Report Number: P31366

Luminaire Tested: **2ALNG-224T5-SDL-UNV-EBT1-U**

Issue Date: 3/3/2020

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CATALOG NUMBER: 2ALNG-224T5-SDL-UNV-EBT1-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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	90	90	90	90	88	88	88	88	84	84	84	80	80	80	77	77	77	76
1	82	78	75	72	80	77	74	71	74	71	69	71	69	67	68	66	65	63
2	75	68	63	59	73	67	62	58	64	60	57	62	58	55	59	57	54	52
3	68	60	54	49	66	59	53	48	57	52	47	54	50	47	52	49	46	44
4	62	53	46	41	61	52	46	41	50	45	40	48	44	40	47	43	39	38
5	57	48	41	36	56	47	40	35	45	39	35	44	39	35	42	38	34	33
6	53	43	36	31	51	42	36	31	41	35	31	39	34	30	38	34	30	29
7	49	39	32	27	48	38	32	27	37	31	27	36	31	27	35	30	27	25
8	46	35	29	25	44	35	29	24	34	28	24	33	28	24	32	27	24	23
9	43	33	26	22	42	32	26	22	31	26	22	30	25	22	30	25	22	20
10	40	30	24	20	39	30	24	20	29	24	20	28	23	20	27	23	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3240	3240	3240
5°	3232	3239	3249
10°	3214	3231	3252
15°	3177	3216	3255
20°	3130	3193	3255
25°	3072	3166	3257
30°	3000	3131	3258
35°	2908	3088	3256
40°	2814	3038	3240
45°	2694	2971	3218
50°	2579	2900	3188
55°	2442	2813	3148
60°	2293	2712	3096
65°	2136	2615	3038
70°	1977	2529	3011
75°	1790	2454	2957
80°	1581	2412	2748
85°	1300	2087	2245



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ZONAL LUMENS:

CANDELA DISTRIBUTION:

Zone	Lumens	% Fixture	% Lamp		0°	22.5°	45°	67.5°	90°	Flux
0°-10°	89.3	3.4	2.6	0°	944	944	944	944	944	
10°-20°	255.3	9.6	7.3	5°	938	938	940	942	943	89
20°-30°	385.1	14.5	11.0	15°	894	897	905	913	916	252
30°-40°	460.5	17.4	13.2	25°	811	819	836	853	860	373
40°-50°	471.4	17.8	13.5	35°	694	708	737	765	777	434
50°-60°	418.9	15.8	12.0	45°	555	573	612	649	663	429
60°-70°	317.8	12.0	9.1	55°	408	426	470	510	526	365
70°-80°	192.4	7.3	5.5	65°	263	281	322	360	374	261
80°-90°	57.0	2.2	1.6	75°	135	151	185	214	223	144
90°-100°	0.0	0.0	0.0	85°	33	42	53	56	57	39
100°-110°	0.0	0.0	0.0	90°	0	0	0	0	0	
110°-120°	0.0	0.0	0.0							
120°-130°	0.0	0.0	0.0							
130°-140°	0.0	0.0	0.0							
140°-150°	0.0	0.0	0.0							
150°-160°	0.0	0.0	0.0							
160°-170°	0.0	0.0	0.0							
170°-180°	0.0	0.0	0.0							
0°-30°	729.8	27.6	20.9							
0°-40°	1190.3	45.0	34.0							
0°-60°	2080.5	78.6	59.4							
0°-90°	2647.7	100.0	75.6							
90°-120°	0.0	0.0	0.0							
90°-150°	0.0	0.0	0.0							
90°-180°	0.0	0.0	0.0							
0°-180°	2647.7	100.0	75.6							



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	944	944	944	944	944
2.5°	942	942	943	944	945
5°	938	938	940	942	943
7.5°	932	932	934	937	939
10°	922	923	927	931	933
12.5°	910	912	917	923	926
15°	894	897	905	913	916
17.5°	877	881	890	900	905
20°	857	862	874	887	891
22.5°	835	842	856	871	876
25°	811	819	836	853	860
27.5°	785	794	814	834	842
30°	757	767	790	813	822
32.5°	727	739	764	791	800
35°	694	708	737	765	777
37.5°	663	675	708	739	751
40°	628	642	678	711	723
42.5°	593	609	646	681	695
45°	555	573	612	649	663
47.5°	520	536	579	618	631
50°	483	501	543	582	597
52.5°	445	465	507	547	563
55°	408	426	470	510	526
57.5°	371	389	434	473	488
60°	334	353	395	436	451
62.5°	298	316	359	398	411
65°	263	281	322	360	374
67.5°	229	247	287	323	336
70°	197	213	252	287	300
72.5°	165	181	218	250	261
75°	135	151	185	214	223
77.5°	106	122	153	176	183
80°	80	94	122	136	139
82.5°	56	68	86	94	96
85°	33	42	53	56	57
87.5°	14	19	24	25	26
90°	0	0	0	0	0

(END OF REPORT)