

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: P#

Luminaire Tested: **4SRL-LD5-30SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35653)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-30SL-LW-UNV-L850-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

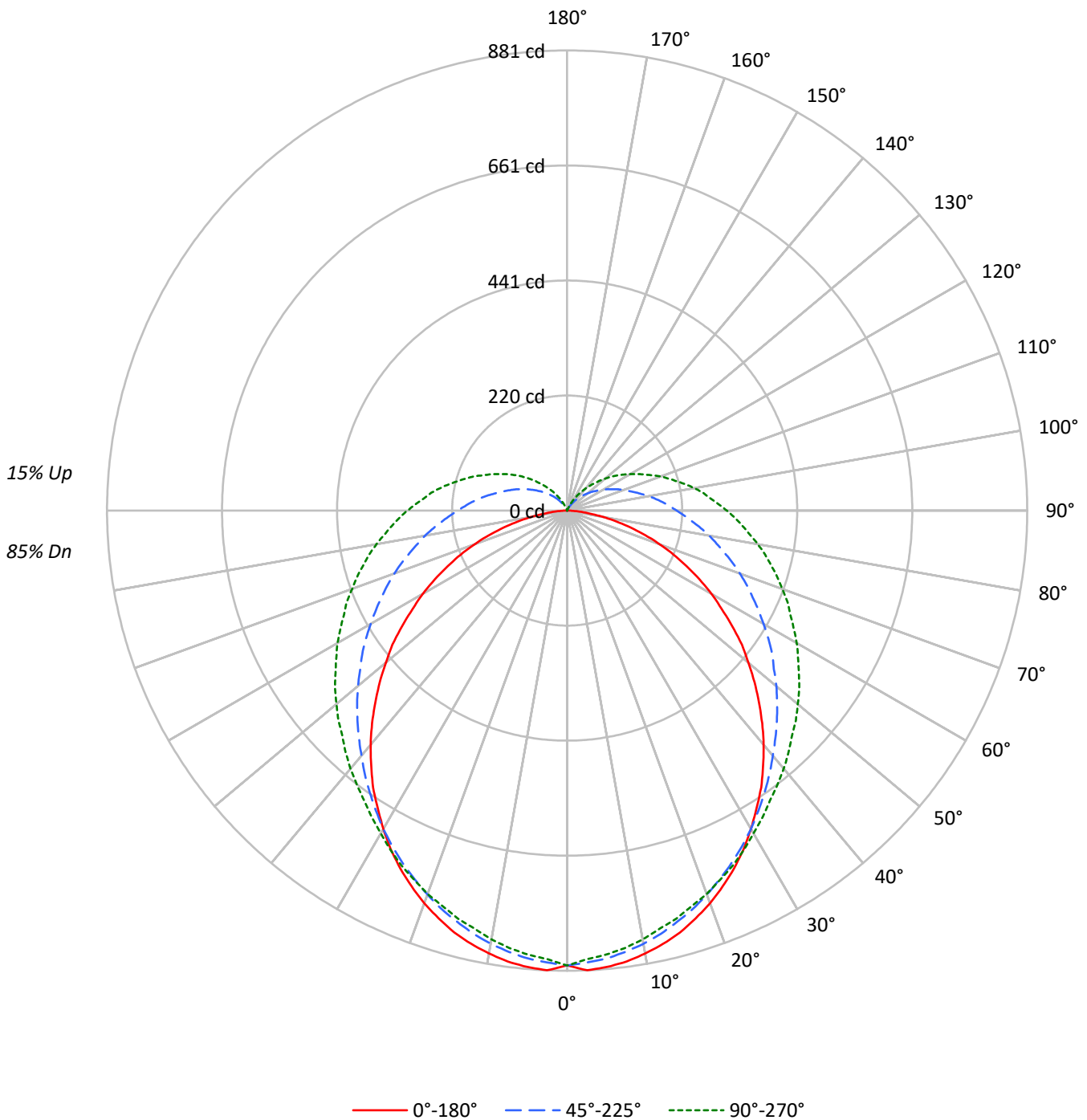
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3351.0 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	116	116	116	116	111	111	111	111	103	103	103		95	95	95		88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79		80	76	74		74	71	69	66
2	92	83	75	69	88	80	73	67	74	68	63		68	64	59		63	59	56	53
3	84	72	63	56	80	70	61	55	64	58	52		60	54	49		55	51	47	44
4	76	64	54	47	73	61	53	46	57	50	44		53	47	42		49	44	40	37
5	70	57	47	40	67	55	46	39	51	43	38		47	41	36		44	38	34	32
6	65	51	42	35	62	49	40	34	46	38	33		43	36	31		40	34	30	27
7	60	46	37	31	57	44	36	30	42	34	29		39	32	28		36	31	26	24
8	56	42	33	27	53	41	32	27	38	31	26		36	29	25		33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23		33	27	22		31	25	21	19
10	49	35	27	22	47	34	27	22	32	25	21		30	24	20		29	23	19	17

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

	0°	45°	90°
0°	10226	10226	10226
5°	10299	9719	9506
10°	10183	9223	8893
15°	10041	8728	8339
20°	9832	8261	7855
25°	9593	7816	7412
30°	9297	7392	6988
35°	8997	6982	6621
40°	8641	6601	6341
45°	8246	6270	6067
50°	7848	5969	5869
55°	7413	5705	5679
60°	6954	5447	5535
65°	6380	5234	5393
70°	5750	5069	5311
75°	4887	4915	5259
80°	3688	4837	5242
85°	2101	4802	5266



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.9	2.4
10°-20°	231.3	6.9
20°-30°	345.4	10.3
30°-40°	413.9	12.4
40°-50°	437.9	13.1
50°-60°	422.9	12.6
60°-70°	376.1	11.2
70°-80°	309.3	9.2
80°-90°	236.5	7.1
90°-100°	177.9	5.3
100°-110°	129.8	3.9
110°-120°	88.9	2.7
120°-130°	55.5	1.7
130°-140°	29.6	0.9
140°-150°	11.9	0.4
150°-160°	2.3	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	658.6	19.7
0°-40°	1072.5	32.0
0°-60°	1933.2	57.7
0°-90°	2855.2	85.2
90°-120°	396.6	11.8
90°-150°	493.6	14.7
90°-180°	496.0	14.8
0°-180°	3351.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	877	872	861	860	854	83
15°	836	827	815	815	808	235
25°	756	749	745	754	750	348
35°	648	645	659	678	678	404
45°	519	534	568	600	609	401
55°	386	420	479	526	542	345
65°	252	309	392	453	472	250
75°	126	208	312	383	404	134
85°	24	128	241	313	337	29
90°	0	99	210	282	306	1
95°	0	76	183	253	274	0
105°	0	47	135	197	217	0
115°	0	29	96	148	164	0
125°	0	18	65	105	117	0
135°	0	9	40	66	74	0
145°	0	2	18	34	39	0
155°	0	0	2	9	9	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°	870.9	870.9	870.9	870.9	870.9
2.5°	880.9	875.9	865.9	864.7	859.7
5°	877.2	872.2	860.9	859.7	853.5
7.5°	870.9	864.7	852.2	851.0	844.7
10°	860.9	854.7	842.2	841.0	833.5
12.5°	849.7	843.5	829.7	828.5	819.8
15°	836.0	827.3	814.8	814.8	808.5
17.5°	818.5	811.0	799.8	801.0	793.6
20°	799.8	792.3	782.3	786.1	781.1
22.5°	778.6	769.9	763.6	768.6	764.9
25°	756.1	748.6	744.9	753.6	749.9
27.5°	731.2	723.7	724.9	733.7	732.4
30°	703.7	698.7	703.7	715.0	713.7
32.5°	675.0	672.5	681.3	696.2	696.2
35°	647.6	645.1	658.8	677.5	677.5
37.5°	616.4	617.6	636.3	657.6	661.3
40°	585.2	590.2	612.6	638.8	645.1
42.5°	552.7	561.5	590.2	618.9	627.6
45°	519.1	534.0	567.7	600.2	608.9
47.5°	486.6	505.3	545.3	582.7	593.9
50°	452.9	475.4	522.8	564.0	576.5
52.5°	421.7	447.9	499.1	545.3	560.2
55°	385.6	420.5	479.1	526.5	541.5
57.5°	350.6	391.8	456.7	507.8	524.1
60°	319.4	363.1	434.2	490.4	507.8
62.5°	285.7	335.6	413.0	471.6	489.1
65°	252.0	309.4	391.8	452.9	471.6
67.5°	220.9	282.0	371.8	435.5	456.7
70°	188.4	257.0	351.9	418.0	438.0
72.5°	157.2	232.1	331.9	399.3	421.7
75°	126.0	208.4	311.9	383.1	404.3
77.5°	96.1	185.9	293.2	365.6	388.0
80°	68.6	164.7	275.8	348.1	370.6
82.5°	43.7	144.7	258.3	330.7	353.1
85°	23.7	128.5	240.8	313.2	336.9
87.5°	8.7	111.0	224.6	298.2	321.9
90°	0.0	98.6	209.6	282.0	305.7
92.5°	0.0	86.1	195.9	267.0	289.5
95°	0.0	76.1	183.4	253.3	274.5
97.5°	0.0	67.4	170.9	239.6	262.0
100°	0.0	59.9	158.5	224.6	247.1
102.5°	0.0	52.4	146.0	210.9	232.1
105°	0.0	47.4	134.8	197.1	217.1
107.5°	0.0	42.4	124.8	185.9	203.4
110°	0.0	37.4	114.8	172.2	190.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	33.7	106.1	161.0	175.9
115°	0.0	28.7	96.1	148.5	163.5
117.5°	0.0	26.2	88.6	137.3	151.0
120°	0.0	22.5	79.9	126.0	139.7
122.5°	0.0	20.0	72.4	114.8	128.5
125°	0.0	17.5	64.9	104.8	117.3
127.5°	0.0	15.0	58.6	94.8	106.1
130°	0.0	12.5	51.2	84.8	94.8
132.5°	0.0	10.0	44.9	74.9	84.8
135°	0.0	8.7	39.9	66.1	73.6
137.5°	0.0	6.2	33.7	57.4	64.9
140°	0.0	5.0	28.7	49.9	54.9
142.5°	0.0	3.7	22.5	41.2	47.4
145°	0.0	2.5	17.5	33.7	38.7
147.5°	0.0	1.2	12.5	27.5	29.9
150°	0.0	1.2	8.7	21.2	22.5
152.5°	0.0	0.0	6.2	15.0	15.0
155°	0.0	0.0	2.5	8.7	8.7
157.5°	1.2	0.0	1.2	3.7	3.7
160°	1.2	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)