

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-LD5-34SL-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-LD5-34SL-LW-UNV-L850-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

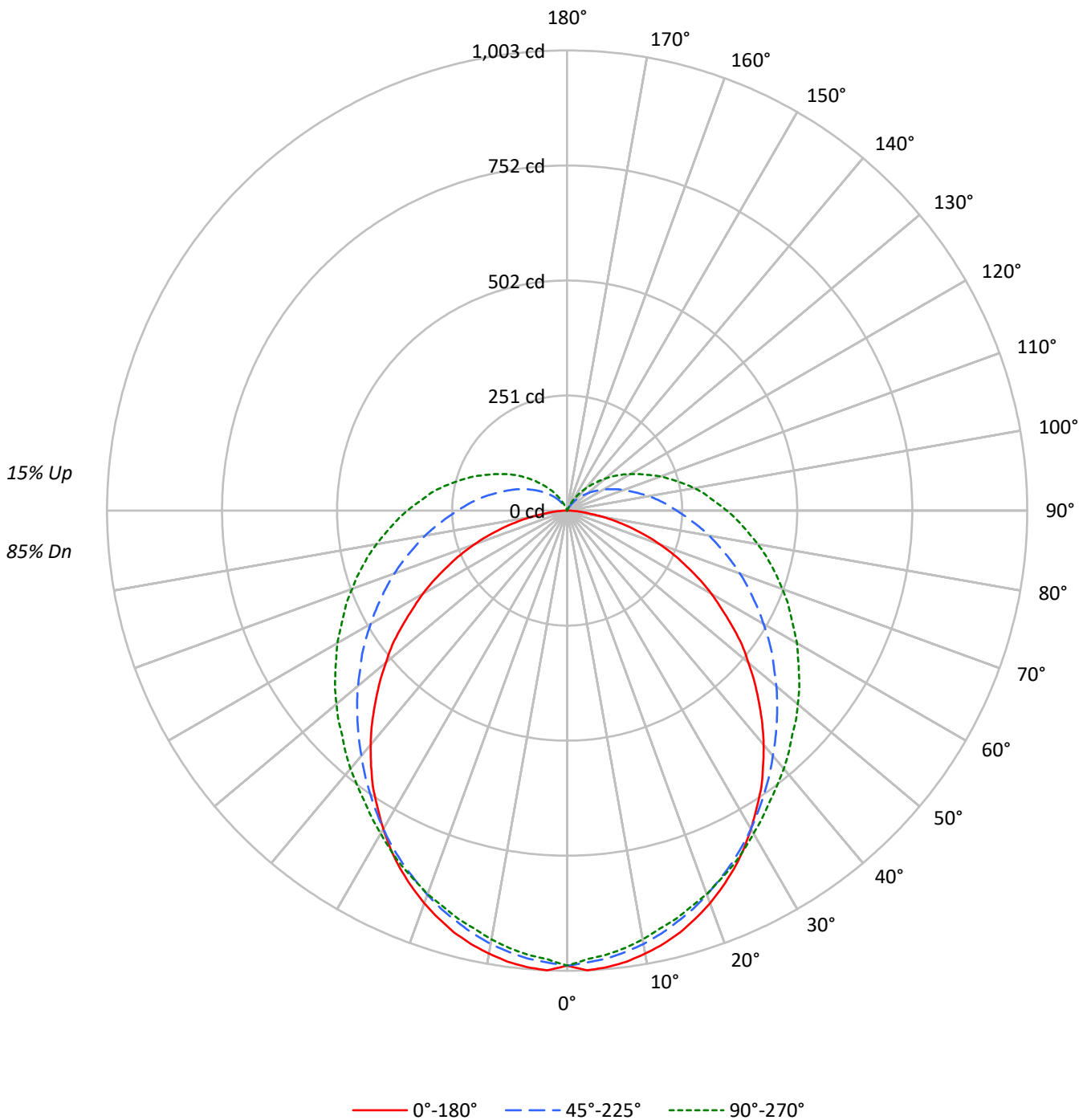
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3816.0 lumens  
Efficiency: N/A  
Efficacy: 142.4 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): 26.8  
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	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°	11646	11646	11646
5°	11728	11069	10825
10°	11597	10503	10126
15°	11434	9938	9496
20°	11196	9408	8945
25°	10925	8901	8441
30°	10588	8419	7957
35°	10244	7951	7540
40°	9840	7518	7221
45°	9389	7140	6909
50°	8938	6796	6682
55°	8441	6497	6467
60°	7918	6203	6303
65°	7266	5961	6142
70°	6550	5772	6046
75°	5566	5597	5988
80°	4199	5507	5969
85°	2394	5468	5995



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.3	2.4
10°-20°	263.4	6.9
20°-30°	393.3	10.3
30°-40°	471.4	12.4
40°-50°	498.6	13.1
50°-60°	481.5	12.6
60°-70°	428.4	11.2
70°-80°	352.2	9.2
80°-90°	269.3	7.1
90°-100°	202.5	5.3
100°-110°	147.8	3.9
110°-120°	101.3	2.7
120°-130°	63.2	1.7
130°-140°	33.7	0.9
140°-150°	13.5	0.4
150°-160°	2.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	750.0	19.7
0°-40°	1221.3	32.0
0°-60°	2201.5	57.7
0°-90°	3251.4	85.2
90°-120°	451.6	11.8
90°-150°	562.1	14.7
90°-180°	565.0	14.8
0°-180°	3816.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	999	993	980	979	972	95
15°	952	942	928	928	921	268
25°	861	852	848	858	854	396
35°	737	735	750	772	772	460
45°	591	608	646	683	693	456
55°	439	479	546	600	617	393
65°	287	352	446	516	537	285
75°	144	237	355	436	460	152
85°	27	146	274	357	384	33
90°	0	112	239	321	348	1
95°	0	87	209	288	313	0
105°	0	54	154	224	247	0
115°	0	33	109	169	186	0
125°	0	20	74	119	134	0
135°	0	10	46	75	84	0
145°	0	3	20	38	44	0
155°	0	0	3	10	10	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	991.8	991.8	991.8	991.8	991.8
2.5°	1003.1	997.5	986.1	984.7	979.0
5°	998.9	993.2	980.4	979.0	971.9
7.5°	991.8	984.7	970.5	969.0	961.9
10°	980.4	973.3	959.1	957.7	949.1
12.5°	967.6	960.5	944.9	943.5	933.5
15°	952.0	942.0	927.8	927.8	920.7
17.5°	932.1	923.6	910.8	912.2	903.7
20°	910.8	902.3	890.9	895.2	889.5
22.5°	886.6	876.7	869.6	875.3	871.0
25°	861.1	852.5	848.3	858.2	854.0
27.5°	832.6	824.1	825.5	835.5	834.1
30°	801.4	795.7	801.4	814.2	812.7
32.5°	768.7	765.9	775.8	792.9	792.9
35°	737.4	734.6	750.2	771.5	771.5
37.5°	701.9	703.3	724.7	748.8	753.1
40°	666.4	672.1	697.7	727.5	734.6
42.5°	629.5	639.4	672.1	704.8	714.7
45°	591.1	608.1	646.5	683.4	693.4
47.5°	554.1	575.5	620.9	663.6	676.3
50°	515.8	541.4	595.3	642.2	656.4
52.5°	480.3	510.1	568.4	620.9	638.0
55°	439.1	478.8	545.6	599.6	616.7
57.5°	399.3	446.2	520.0	578.3	596.8
60°	363.7	413.5	494.5	558.4	578.3
62.5°	325.4	382.2	470.3	537.1	557.0
65°	287.0	352.4	446.2	515.8	537.1
67.5°	251.5	321.1	423.4	495.9	520.0
70°	214.6	292.7	400.7	476.0	498.7
72.5°	179.0	264.3	378.0	454.7	480.3
75°	143.5	237.3	355.2	436.2	460.4
77.5°	109.4	211.7	333.9	416.3	441.9
80°	78.1	187.6	314.0	396.4	422.0
82.5°	49.7	164.8	294.1	376.5	402.1
85°	27.0	146.4	274.2	356.6	383.6
87.5°	9.9	126.5	255.8	339.6	366.6
90°	0.0	112.2	238.7	321.1	348.1
92.5°	0.0	98.0	223.1	304.1	329.6
95°	0.0	86.7	208.9	288.4	312.6
97.5°	0.0	76.7	194.7	272.8	298.4
100°	0.0	68.2	180.5	255.8	281.3
102.5°	0.0	59.7	166.2	240.1	264.3
105°	0.0	54.0	153.5	224.5	247.2
107.5°	0.0	48.3	142.1	211.7	231.6
110°	0.0	42.6	130.7	196.1	217.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.4	120.8	183.3	200.3
115°	0.0	32.7	109.4	169.1	186.1
117.5°	0.0	29.8	100.9	156.3	171.9
120°	0.0	25.6	90.9	143.5	159.1
122.5°	0.0	22.7	82.4	130.7	146.4
125°	0.0	19.9	73.9	119.4	133.6
127.5°	0.0	17.1	66.8	108.0	120.8
130°	0.0	14.2	58.3	96.6	108.0
132.5°	0.0	11.4	51.2	85.3	96.6
135°	0.0	9.9	45.5	75.3	83.8
137.5°	0.0	7.1	38.4	65.4	73.9
140°	0.0	5.7	32.7	56.8	62.5
142.5°	0.0	4.3	25.6	46.9	54.0
145°	0.0	2.8	19.9	38.4	44.0
147.5°	0.0	1.4	14.2	31.3	34.1
150°	0.0	1.4	9.9	24.2	25.6
152.5°	0.0	0.0	7.1	17.1	17.1
155°	0.0	0.0	2.8	9.9	9.9
157.5°	1.4	0.0	1.4	4.3	4.3
160°	1.4	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)