

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-LD5-37SL-LW-UNV-L840-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-LD5-37SL-LW-UNV-L840-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

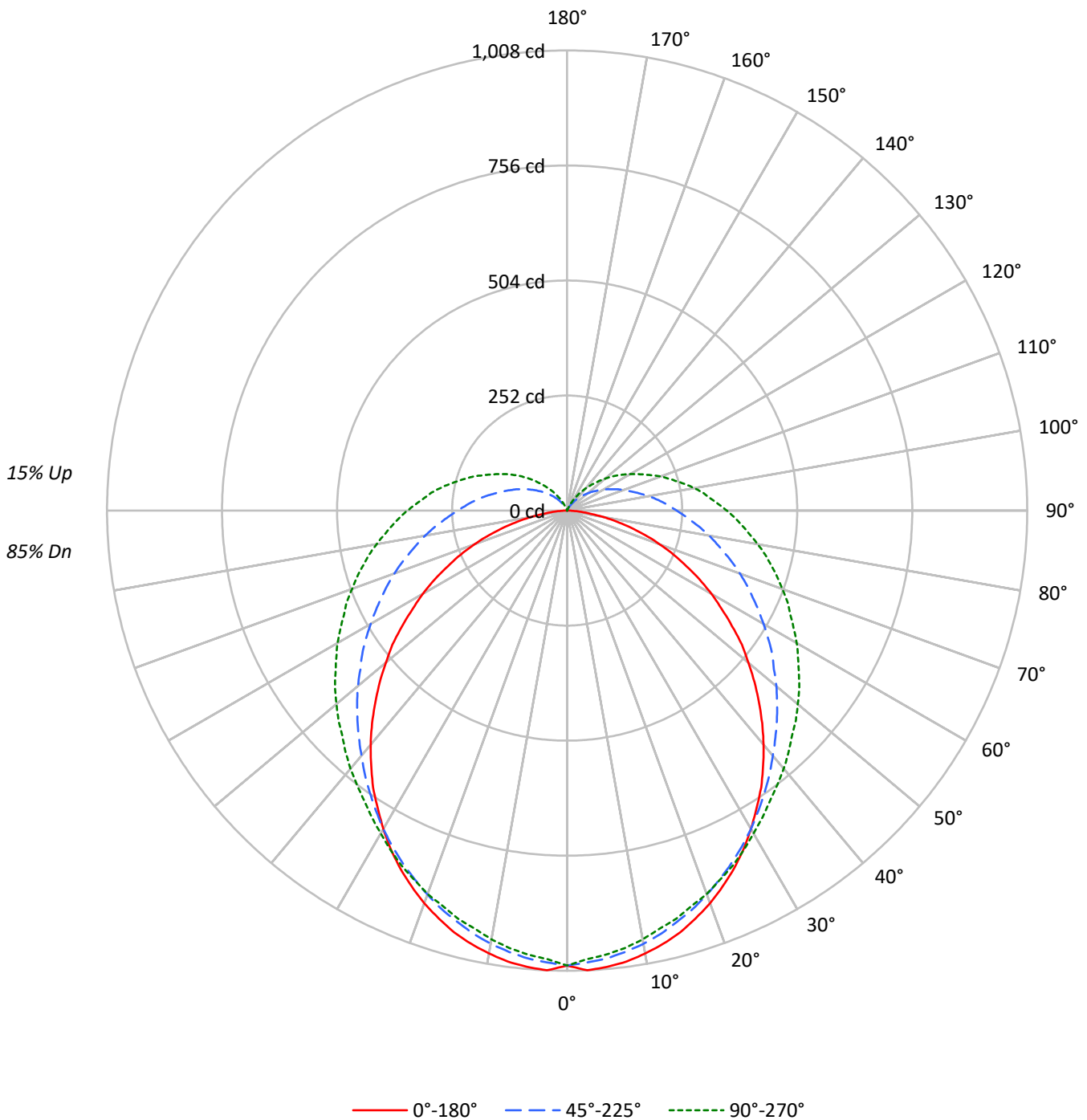
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3834.0 lumens  
Efficiency: N/A  
Efficacy: 129.5 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): 29.6  
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

TEST NUMBER: P#  
CATALOG NUMBER: 4SRL-LD5-37SL-LW-UNV-L840-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	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°	11701	11701	11701
5°	11783	11121	10876
10°	11651	10553	10174
15°	11488	9985	9542
20°	11249	9453	8987
25°	10976	8943	8480
30°	10639	8459	7995
35°	10293	7989	7576
40°	9885	7553	7255
45°	9434	7175	6942
50°	8980	6829	6714
55°	8480	6528	6498
60°	7957	6232	6332
65°	7301	5989	6171
70°	6580	5799	6076
75°	5593	5624	6016
80°	4220	5533	5997
85°	2403	5494	6024



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.7	2.4
10°-20°	264.6	6.9
20°-30°	395.2	10.3
30°-40°	473.6	12.4
40°-50°	501.0	13.1
50°-60°	483.8	12.6
60°-70°	430.4	11.2
70°-80°	353.8	9.2
80°-90°	270.6	7.1
90°-100°	203.5	5.3
100°-110°	148.5	3.9
110°-120°	101.7	2.7
120°-130°	63.5	1.7
130°-140°	33.9	0.9
140°-150°	13.6	0.4
150°-160°	2.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	753.5	19.7
0°-40°	1227.1	32.0
0°-60°	2211.9	57.7
0°-90°	3266.7	85.2
90°-120°	453.8	11.8
90°-150°	564.7	14.7
90°-180°	567.0	14.8
0°-180°	3834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	996	996	996	996	996	
5°	1004	998	985	984	976	95
15°	956	946	932	932	925	269
25°	865	857	852	862	858	398
35°	741	738	754	775	775	463
45°	594	611	650	687	697	459
55°	441	481	548	602	620	395
65°	288	354	448	518	540	287
75°	144	238	357	438	462	153
85°	27	147	276	358	385	33
90°	0	113	240	323	350	1
95°	0	87	210	290	314	0
105°	0	54	154	226	248	0
115°	0	33	110	170	187	0
125°	0	20	74	120	134	0
135°	0	10	46	76	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



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CATALOG NUMBER: 4SRL-LD5-37SL-LW-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	996.5	996.5	996.5	996.5	996.5
2.5°	1007.9	1002.2	990.7	989.3	983.6
5°	1003.6	997.9	985.0	983.6	976.5
7.5°	996.5	989.3	975.0	973.6	966.5
10°	985.0	977.9	963.6	962.2	953.6
12.5°	972.2	965.0	949.3	947.9	937.9
15°	956.5	946.5	932.2	932.2	925.1
17.5°	936.5	927.9	915.1	916.5	907.9
20°	915.1	906.5	895.1	899.4	893.7
22.5°	890.8	880.8	873.7	879.4	875.1
25°	865.1	856.6	852.3	862.3	858.0
27.5°	836.6	828.0	829.4	839.4	838.0
30°	805.2	799.4	805.2	818.0	816.6
32.5°	772.3	769.5	779.5	796.6	796.6
35°	740.9	738.1	753.8	775.2	775.2
37.5°	705.2	706.7	728.1	752.3	756.6
40°	669.5	675.2	700.9	730.9	738.1
42.5°	632.4	642.4	675.2	708.1	718.1
45°	593.9	611.0	649.6	686.7	696.7
47.5°	556.8	578.2	623.9	666.7	679.5
50°	518.2	543.9	598.2	645.3	659.5
52.5°	482.5	512.5	571.0	623.9	641.0
55°	441.1	481.1	548.2	602.4	619.6
57.5°	401.2	448.3	522.5	581.0	599.6
60°	365.5	415.4	496.8	561.0	581.0
62.5°	326.9	384.0	472.5	539.6	559.6
65°	288.4	354.0	448.3	518.2	539.6
67.5°	252.7	322.6	425.4	498.2	522.5
70°	215.6	294.1	402.6	478.2	501.1
72.5°	179.9	265.5	379.7	456.8	482.5
75°	144.2	238.4	356.9	438.3	462.5
77.5°	109.9	212.7	335.5	418.3	444.0
80°	78.5	188.4	315.5	398.3	424.0
82.5°	50.0	165.6	295.5	378.3	404.0
85°	27.1	147.0	275.5	358.3	385.4
87.5°	10.0	127.1	257.0	341.2	368.3
90°	0.0	112.8	239.8	322.6	349.8
92.5°	0.0	98.5	224.1	305.5	331.2
95°	0.0	87.1	209.9	289.8	314.1
97.5°	0.0	77.1	195.6	274.1	299.8
100°	0.0	68.5	181.3	257.0	282.7
102.5°	0.0	60.0	167.0	241.3	265.5
105°	0.0	54.2	154.2	225.6	248.4
107.5°	0.0	48.5	142.8	212.7	232.7
110°	0.0	42.8	131.3	197.0	218.4



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-37SL-LW-UNV-L840-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.5	121.3	184.2	201.3
115°	0.0	32.8	109.9	169.9	187.0
117.5°	0.0	30.0	101.4	157.0	172.7
120°	0.0	25.7	91.4	144.2	159.9
122.5°	0.0	22.8	82.8	131.3	147.0
125°	0.0	20.0	74.2	119.9	134.2
127.5°	0.0	17.1	67.1	108.5	121.3
130°	0.0	14.3	58.5	97.1	108.5
132.5°	0.0	11.4	51.4	85.7	97.1
135°	0.0	10.0	45.7	75.7	84.2
137.5°	0.0	7.1	38.5	65.7	74.2
140°	0.0	5.7	32.8	57.1	62.8
142.5°	0.0	4.3	25.7	47.1	54.2
145°	0.0	2.9	20.0	38.5	44.3
147.5°	0.0	1.4	14.3	31.4	34.3
150°	0.0	1.4	10.0	24.3	25.7
152.5°	0.0	0.0	7.1	17.1	17.1
155°	0.0	0.0	2.9	10.0	10.0
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)