

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-LD5-50SL-LW-UNV-L835-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-LD5-50SL-LW-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

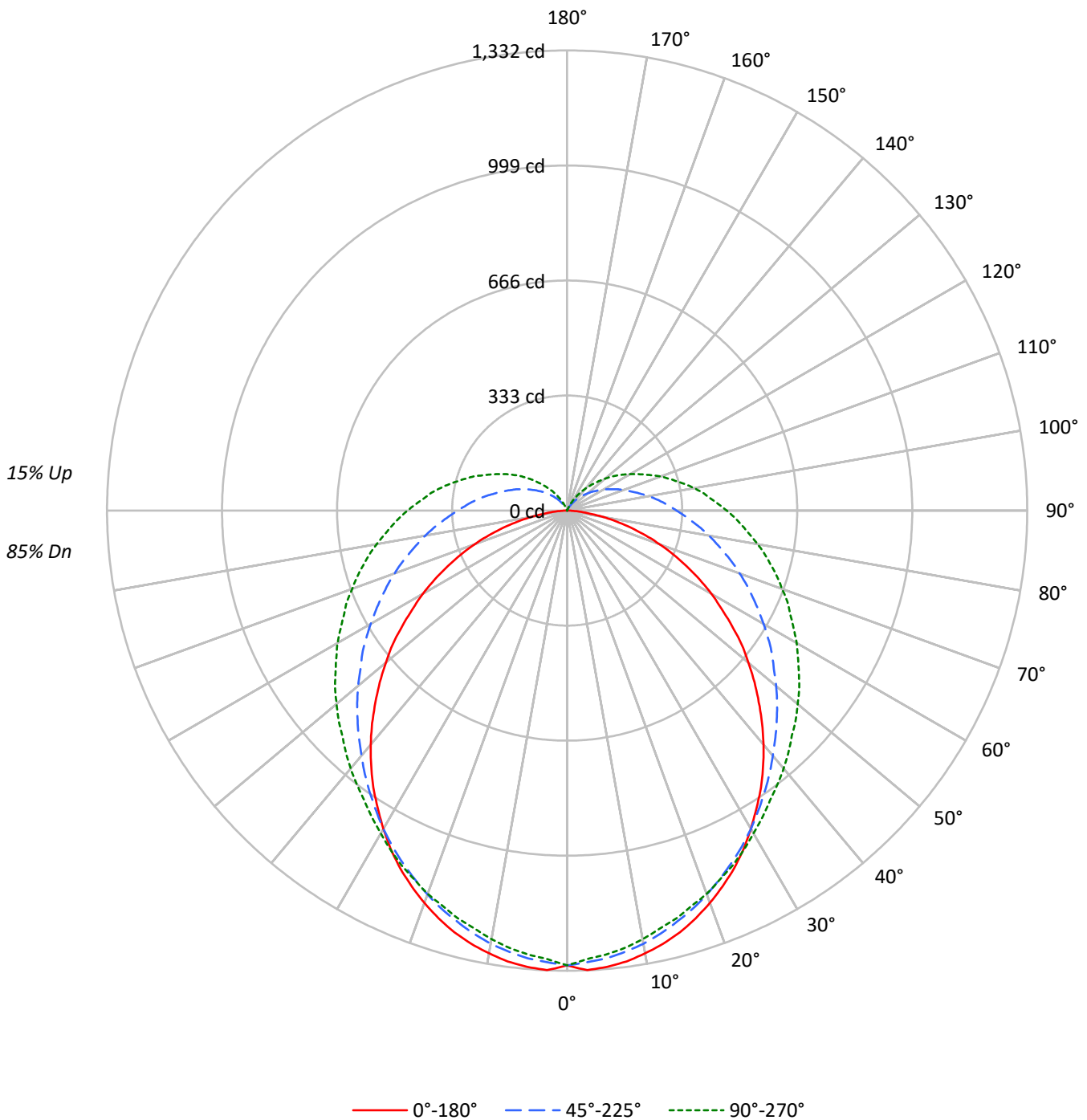
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5065.0 lumens  
Efficiency: N/A  
Efficacy: 117.5 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): 43.1  
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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CATALOG NUMBER: 4SRL-LD5-50SL-LW-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	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°	15458	15458	15458
5°	15566	14692	14368
10°	15393	13941	13441
15°	15176	13191	12605
20°	14861	12488	11872
25°	14500	11814	11203
30°	14054	11174	10562
35°	13598	10554	10008
40°	13060	9978	9584
45°	12463	9477	9170
50°	11864	9021	8870
55°	11204	8624	8584
60°	10511	8233	8366
65°	9646	7911	8152
70°	8692	7660	8026
75°	7389	7429	7947
80°	5575	7310	7922
85°	3174	7259	7959



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.8	2.4
10°-20°	349.6	6.9
20°-30°	522.0	10.3
30°-40°	625.7	12.4
40°-50°	661.8	13.1
50°-60°	639.2	12.6
60°-70°	568.6	11.2
70°-80°	467.4	9.2
80°-90°	357.5	7.1
90°-100°	268.8	5.3
100°-110°	196.2	3.9
110°-120°	134.4	2.7
120°-130°	83.9	1.7
130°-140°	44.8	0.9
140°-150°	17.9	0.4
150°-160°	3.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	995.4	19.7
0°-40°	1621.1	32.0
0°-60°	2922.1	57.7
0°-90°	4315.6	85.2
90°-120°	599.4	11.8
90°-150°	746.0	14.7
90°-180°	749.0	14.8
0°-180°	5065.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1316	1316	1316	1316	1316	
5°	1326	1318	1301	1299	1290	126
15°	1264	1250	1232	1232	1222	356
25°	1143	1132	1126	1139	1134	526
35°	979	975	996	1024	1024	611
45°	785	807	858	907	920	606
55°	583	636	724	796	818	522
65°	381	468	592	685	713	379
75°	190	315	472	579	611	202
85°	36	194	364	473	509	44
90°	0	149	317	426	462	2
95°	0	115	277	383	415	0
105°	0	72	204	298	328	0
115°	0	43	145	224	247	0
125°	0	26	98	158	177	0
135°	0	13	60	100	111	0
145°	0	4	26	51	58	0
155°	0	0	4	13	13	1
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-LD5-50SL-LW-UNV-L835-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1316.4	1316.4	1316.4	1316.4	1316.4
2.5°	1331.5	1323.9	1308.8	1307.0	1299.4
5°	1325.8	1318.3	1301.3	1299.4	1290.0
7.5°	1316.4	1307.0	1288.1	1286.2	1276.8
10°	1301.3	1291.9	1273.0	1271.1	1259.8
12.5°	1284.3	1274.9	1254.2	1252.3	1239.1
15°	1263.6	1250.4	1231.5	1231.5	1222.1
17.5°	1237.2	1225.9	1208.9	1210.8	1199.5
20°	1208.9	1197.6	1182.5	1188.1	1180.6
22.5°	1176.8	1163.6	1154.2	1161.7	1156.1
25°	1142.9	1131.6	1125.9	1139.1	1133.5
27.5°	1105.2	1093.8	1095.7	1108.9	1107.1
30°	1063.7	1056.1	1063.7	1080.6	1078.8
32.5°	1020.3	1016.5	1029.7	1052.4	1052.4
35°	978.8	975.0	995.8	1024.1	1024.1
37.5°	931.7	933.5	961.8	993.9	999.6
40°	884.5	892.1	926.0	965.6	975.0
42.5°	835.5	848.7	892.1	935.4	948.6
45°	784.6	807.2	858.1	907.1	920.3
47.5°	735.5	763.8	824.2	880.7	897.7
50°	684.6	718.5	790.2	852.4	871.3
52.5°	637.4	677.1	754.4	824.2	846.8
55°	582.8	635.6	724.2	795.9	818.5
57.5°	530.0	592.2	690.3	767.6	792.1
60°	482.8	548.8	656.3	741.2	767.6
62.5°	431.9	507.3	624.2	712.9	739.3
65°	381.0	467.7	592.2	684.6	712.9
67.5°	333.8	426.2	562.0	658.2	690.3
70°	284.8	388.5	531.8	631.8	662.0
72.5°	237.6	350.8	501.7	603.5	637.4
75°	190.5	315.0	471.5	579.0	611.0
77.5°	145.2	281.0	443.2	552.6	586.5
80°	103.7	248.9	416.8	526.2	560.1
82.5°	66.0	218.8	390.4	499.8	533.7
85°	35.8	194.3	364.0	473.4	509.2
87.5°	13.2	167.8	339.5	450.7	486.6
90°	0.0	149.0	316.8	426.2	462.1
92.5°	0.0	130.1	296.1	403.6	437.5
95°	0.0	115.0	277.2	382.8	414.9
97.5°	0.0	101.8	258.4	362.1	396.0
100°	0.0	90.5	239.5	339.5	373.4
102.5°	0.0	79.2	220.7	318.7	350.8
105°	0.0	71.7	203.7	298.0	328.2
107.5°	0.0	64.1	188.6	281.0	307.4
110°	0.0	56.6	173.5	260.3	288.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.9	160.3	243.3	265.9
115°	0.0	43.4	145.2	224.4	247.1
117.5°	0.0	39.6	133.9	207.5	228.2
120°	0.0	33.9	120.7	190.5	211.2
122.5°	0.0	30.2	109.4	173.5	194.3
125°	0.0	26.4	98.1	158.4	177.3
127.5°	0.0	22.6	88.6	143.3	160.3
130°	0.0	18.9	77.3	128.2	143.3
132.5°	0.0	15.1	67.9	113.2	128.2
135°	0.0	13.2	60.4	100.0	111.3
137.5°	0.0	9.4	50.9	86.8	98.1
140°	0.0	7.5	43.4	75.4	83.0
142.5°	0.0	5.7	33.9	62.2	71.7
145°	0.0	3.8	26.4	50.9	58.5
147.5°	0.0	1.9	18.9	41.5	45.3
150°	0.0	1.9	13.2	32.1	33.9
152.5°	0.0	0.0	9.4	22.6	22.6
155°	0.0	0.0	3.8	13.2	13.2
157.5°	1.9	0.0	1.9	5.7	5.7
160°	1.9	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)