

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-LD5-29SL-LN-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 (P35658)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-29SL-LN-UNV-L840-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

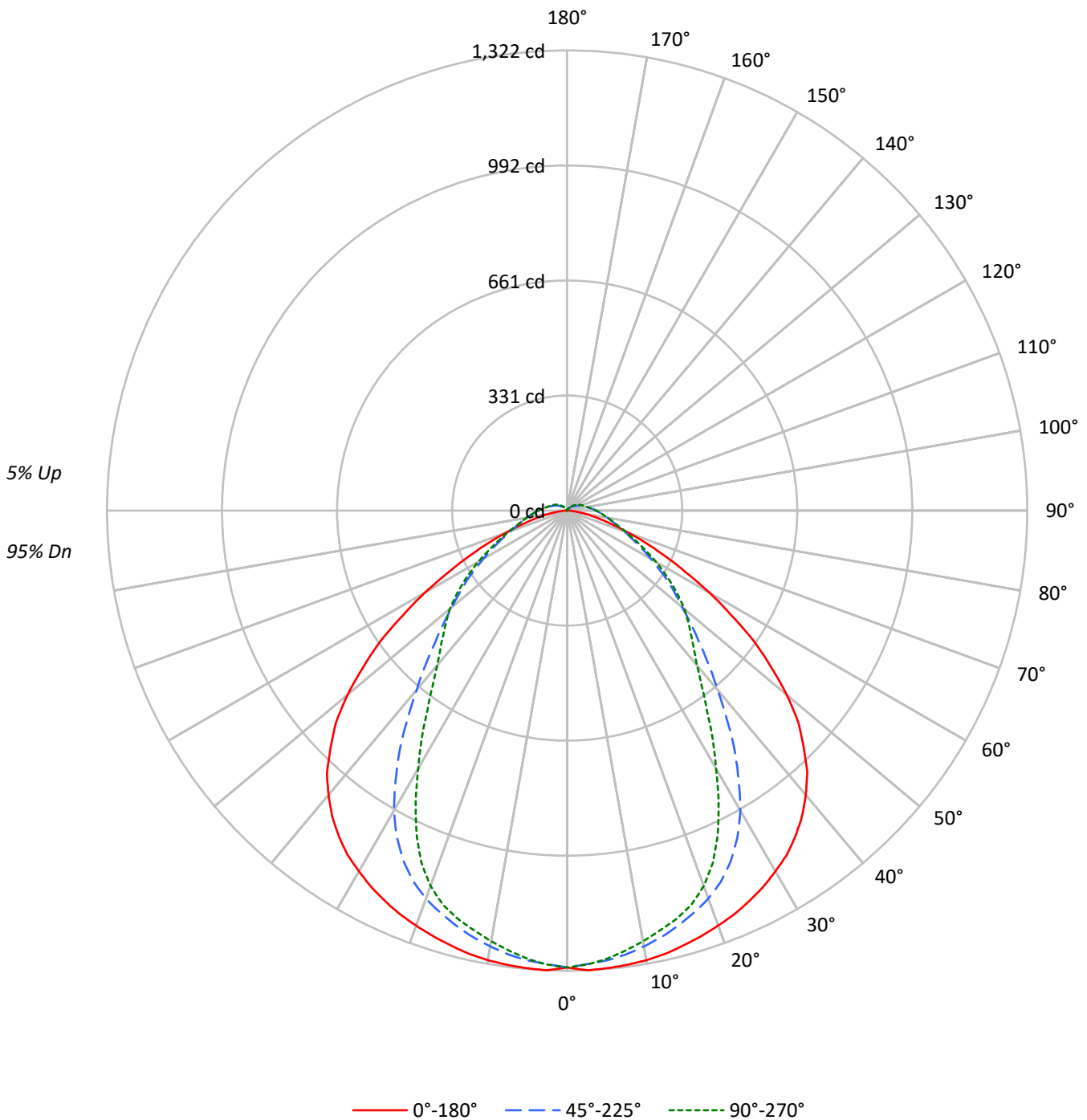
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3001.0 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 20.2  
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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

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

	0°	45°	90°
0°	15413	15413	15413
5°	15495	14650	14401
10°	15511	13923	13405
15°	15529	13220	12521
20°	15597	12530	11538
25°	15708	11661	10120
30°	15806	10455	8382
35°	15877	8886	6835
40°	15746	7248	5700
45°	15258	5935	5010
50°	14271	4927	4474
55°	12603	4207	3841
60°	10265	3490	3210
65°	7886	2923	2629
70°	5759	2502	2178
75°	4026	2212	1852
80°	2704	2050	1653
85°	1560	1954	1541



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.7	4.1
10°-20°	351.2	11.7
20°-30°	513.2	17.1
30°-40°	548.1	18.3
40°-50°	483.0	16.1
50°-60°	366.8	12.2
60°-70°	233.8	7.8
70°-80°	139.5	4.6
80°-90°	87.6	2.9
90°-100°	58.0	1.9
100°-110°	39.4	1.3
110°-120°	26.5	0.9
120°-130°	16.4	0.5
130°-140°	8.7	0.3
140°-150°	3.7	0.1
150°-160°	1.2	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	988.1	32.9
0°-40°	1536.1	51.2
0°-60°	2385.9	79.5
0°-90°	2846.8	94.9
90°-120°	123.9	4.1
90°-150°	152.7	5.1
90°-180°	154.0	5.1
0°-180°	3001.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1320	1310	1298	1302	1293	126
15°	1293	1269	1234	1226	1214	366
25°	1238	1183	1111	1058	1024	571
35°	1143	1019	838	733	699	714
45°	961	723	537	506	503	738
55°	656	410	353	366	366	580
65°	312	211	219	232	230	314
75°	104	107	140	147	142	116
85°	18	58	98	103	99	21
90°	1	44	83	87	83	1
95°	0	33	69	73	69	0
105°	0	21	48	53	51	0
115°	0	13	33	40	39	0
125°	1	8	22	28	27	1
135°	1	5	14	17	16	1
145°	1	2	7	9	8	0
155°	1	1	3	4	3	0
165°	1	1	1	0	0	0
175°	1	1	1	0	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1321.7	1313.9	1304.1	1310.6	1305.4
5°	1319.8	1310.0	1297.6	1301.5	1293.0
7.5°	1316.5	1304.1	1286.5	1285.2	1275.4
10°	1311.3	1294.9	1271.4	1266.9	1256.4
12.5°	1304.1	1283.8	1254.5	1247.3	1234.9
15°	1293.0	1268.8	1234.2	1225.7	1214.0
17.5°	1281.9	1251.8	1211.4	1200.9	1187.2
20°	1268.8	1232.3	1186.5	1164.3	1147.4
22.5°	1255.1	1210.1	1153.9	1116.7	1094.5
25°	1238.1	1182.6	1111.4	1057.9	1023.9
27.5°	1219.2	1153.9	1059.2	982.1	941.7
30°	1196.3	1115.4	995.2	898.6	856.1
32.5°	1173.5	1073.6	916.8	816.3	777.8
35°	1142.8	1018.7	838.5	733.3	699.4
37.5°	1108.2	957.3	752.9	659.6	634.7
40°	1066.4	885.5	672.6	598.2	579.9
42.5°	1021.3	806.5	602.7	548.5	538.7
45°	960.6	722.9	537.4	506.1	502.8
47.5°	900.5	639.3	481.9	468.9	470.8
50°	823.5	556.4	431.6	436.2	439.5
52.5°	738.6	480.0	390.5	400.3	402.9
55°	655.6	410.1	353.3	365.7	366.3
57.5°	559.0	348.7	312.8	331.7	329.8
60°	471.5	294.5	278.2	293.2	294.5
62.5°	385.3	250.1	247.5	260.6	259.9
65°	311.5	210.9	218.8	231.8	229.9
67.5°	247.5	176.3	194.6	205.7	201.1
70°	188.7	149.5	173.7	182.2	179.6
72.5°	141.7	126.7	155.4	163.3	158.7
75°	103.8	107.1	140.4	146.9	142.4
77.5°	74.4	92.1	128.6	132.6	129.3
80°	50.3	78.4	116.9	122.1	116.9
82.5°	32.0	67.3	107.1	111.7	107.1
85°	17.6	58.1	98.0	103.2	98.6
87.5°	7.8	50.3	90.1	94.7	90.8
90°	0.7	43.8	82.9	86.9	82.9
92.5°	0.0	37.9	75.8	80.3	76.4
95°	0.0	33.3	69.2	73.1	69.2
97.5°	0.0	29.4	63.3	67.3	64.0
100°	0.0	26.1	58.1	62.0	58.8
102.5°	0.0	22.9	52.9	57.5	54.9
105°	0.0	20.9	48.3	52.9	50.9
107.5°	0.0	18.3	44.4	49.6	48.3
110°	0.0	16.3	40.5	46.4	45.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.0	36.6	43.1	41.8
115°	0.0	13.1	33.3	39.8	39.2
117.5°	0.0	11.8	30.7	36.6	36.6
120°	0.7	10.4	28.1	34.0	33.3
122.5°	0.7	9.1	24.8	30.7	30.0
125°	0.7	8.5	22.2	28.1	27.4
127.5°	0.7	7.2	20.2	24.8	24.2
130°	0.7	6.5	17.6	22.2	21.5
132.5°	0.7	5.2	15.7	19.6	18.9
135°	0.7	4.6	13.7	17.0	16.3
137.5°	0.7	3.9	11.8	15.0	14.4
140°	0.7	3.3	10.4	13.1	12.4
142.5°	0.7	2.6	8.5	11.1	10.4
145°	0.7	2.0	7.2	9.1	8.5
147.5°	0.7	1.3	5.9	7.8	7.2
150°	0.7	1.3	4.6	6.5	5.9
152.5°	0.7	1.3	3.9	5.2	3.9
155°	0.7	1.3	2.6	3.9	2.6
157.5°	0.7	1.3	2.0	2.6	2.0
160°	0.7	1.3	2.0	2.0	0.7
162.5°	0.7	1.3	1.3	0.7	0.0
165°	0.7	1.3	1.3	0.0	0.0
167.5°	0.7	1.3	1.3	0.0	0.0
170°	0.7	1.3	1.3	0.0	0.0
172.5°	0.7	1.3	1.3	0.0	0.0
175°	1.3	1.3	1.3	0.0	0.0
177.5°	0.7	1.3	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)