

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-LC-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 (P35657)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-30SL-LC-UNV-L840-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

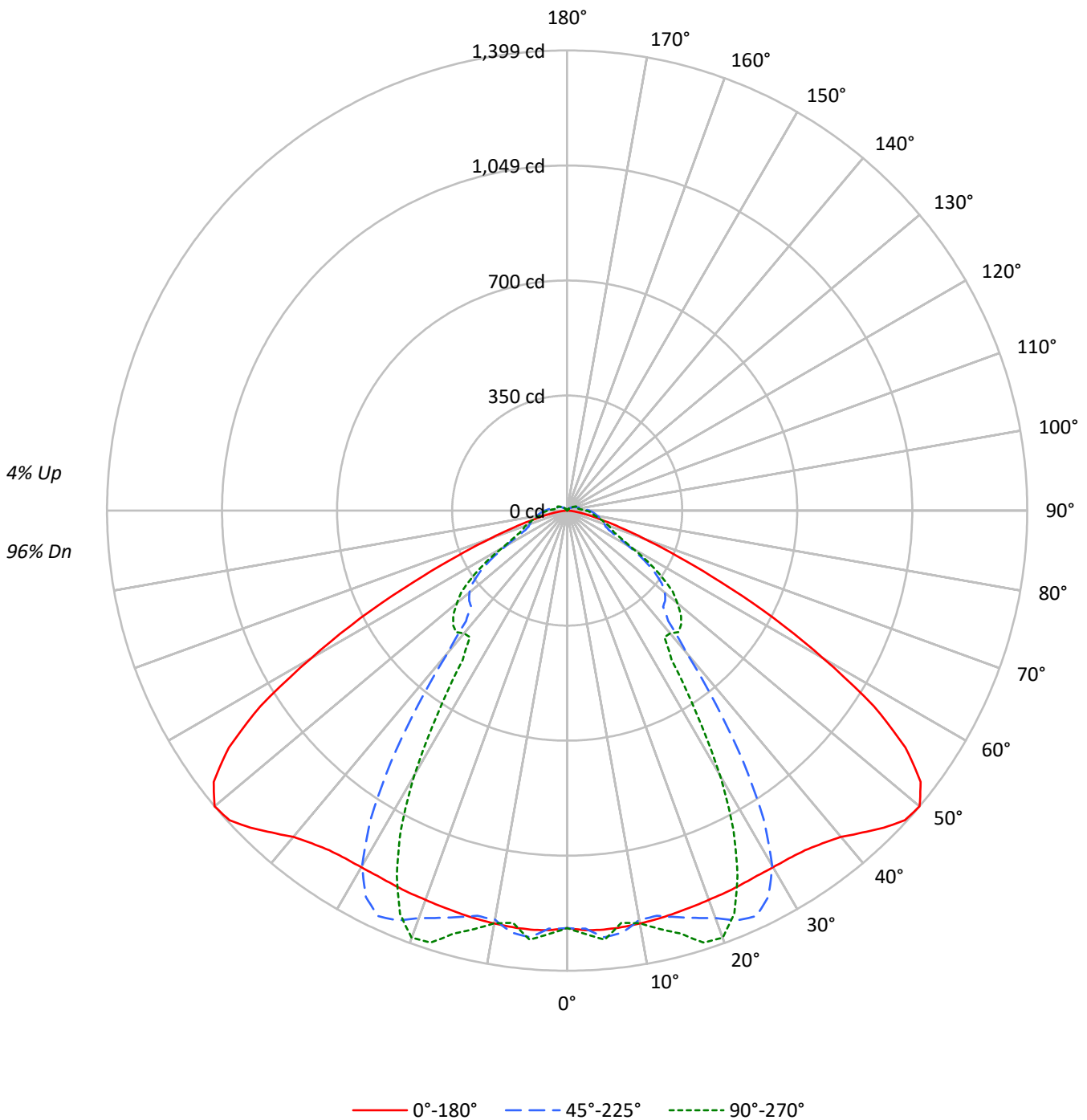
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3062.0 lumens  
Efficiency: N/A  
Efficacy: 151.6 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12  
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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29

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

	0°	45°	90°
0°	14909	14909	14909
5°	15014	14703	14585
10°	15081	13832	13595
15°	15218	13705	13729
20°	15479	13925	13897
25°	15910	14274	12111
30°	16542	13098	9112
35°	17512	9905	5412
40°	19123	6067	4789
45°	21652	4559	4887
50°	24244	4430	4448
55°	24132	3842	3678
60°	19594	2712	2492
65°	13031	1876	1808
70°	7514	1740	1631
75°	4131	1708	1385
80°	2285	1638	1182
85°	1046	1615	1164



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.7	4.0
10°-20°	368.1	12.0
20°-30°	585.9	19.1
30°-40°	597.1	19.5
40°-50°	504.3	16.5
50°-60°	388.7	12.7
60°-70°	200.8	6.6
70°-80°	111.0	3.6
80°-90°	70.6	2.3
90°-100°	43.5	1.4
100°-110°	28.0	0.9
110°-120°	20.3	0.7
120°-130°	11.7	0.4
130°-140°	5.7	0.2
140°-150°	2.4	0.1
150°-160°	0.8	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1076.7	35.2
0°-40°	1673.8	54.7
0°-60°	2566.8	83.8
0°-90°	2949.2	96.3
90°-120°	91.8	3.0
90°-150°	111.6	3.6
90°-180°	113.0	3.7
0°-180°	3062.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1279	1283	1302	1315	1310	122
15°	1267	1268	1280	1325	1331	359
25°	1254	1262	1360	1294	1225	581
35°	1260	1320	935	636	554	796
45°	1363	796	413	476	490	1053
55°	1255	293	323	351	351	1087
65°	515	134	140	158	158	531
75°	106	88	108	109	106	128
85°	12	58	81	78	74	16
90°	0	44	67	62	58	1
95°	0	35	54	47	43	0
105°	0	21	35	33	31	0
115°	1	12	26	31	30	0
125°	1	6	16	20	18	1
135°	1	3	9	11	9	1
145°	1	1	5	6	5	0
155°	1	1	2	3	1	0
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1269.7	1269.7	1269.7	1269.7	1269.7
2.5°	1276.8	1272.3	1272.3	1288.6	1288.6
5°	1278.8	1283.4	1302.3	1314.7	1309.5
7.5°	1277.5	1298.4	1293.8	1275.5	1263.8
10°	1274.9	1306.2	1263.1	1275.5	1274.2
12.5°	1271.6	1294.5	1261.8	1305.6	1303.0
15°	1267.1	1267.7	1279.5	1325.2	1331.1
17.5°	1263.1	1250.7	1298.4	1359.8	1376.8
20°	1259.2	1245.5	1318.6	1389.2	1382.0
22.5°	1257.3	1250.1	1348.7	1367.0	1327.1
25°	1254.0	1262.5	1360.4	1293.8	1225.3
27.5°	1251.4	1276.8	1324.5	1169.1	1095.9
30°	1252.0	1297.1	1246.8	1022.8	930.7
32.5°	1254.0	1316.7	1111.6	826.8	731.5
35°	1260.5	1320.0	934.6	635.5	553.8
37.5°	1274.9	1284.0	741.9	502.9	485.3
40°	1295.1	1175.6	563.0	469.6	487.2
42.5°	1327.8	993.4	455.2	474.8	500.9
45°	1363.1	795.5	412.8	476.1	490.5
47.5°	1393.1	587.2	404.3	458.5	468.9
50°	1399.0	442.2	388.0	430.4	436.9
52.5°	1354.6	349.4	361.8	393.2	404.9
55°	1255.3	292.6	322.6	350.7	350.7
57.5°	1105.7	248.2	271.0	297.8	295.2
60°	900.0	204.4	216.2	232.5	228.6
62.5°	708.0	163.9	167.9	185.5	188.1
65°	514.7	133.9	140.4	158.1	158.1
67.5°	361.2	114.3	126.7	143.0	144.3
70°	246.2	103.2	120.8	133.9	134.5
72.5°	167.9	95.4	114.9	122.1	120.2
75°	106.5	88.2	108.4	109.1	106.5
77.5°	69.2	80.3	101.9	96.7	94.7
80°	42.5	72.5	93.4	86.9	83.6
82.5°	24.2	64.7	86.9	82.3	79.0
85°	11.8	57.5	81.0	78.4	74.5
87.5°	4.6	50.9	74.5	70.5	66.6
90°	0.0	44.4	67.3	62.0	57.5
92.5°	0.0	39.2	60.1	53.6	49.6
95°	0.0	34.6	53.6	47.0	43.1
97.5°	0.0	30.7	47.7	41.8	37.2
100°	0.0	27.4	43.1	37.2	34.0
102.5°	0.0	24.2	38.5	34.6	32.7
105°	0.0	20.9	35.3	32.7	30.7
107.5°	0.0	18.3	32.0	31.3	30.0
110°	0.0	16.3	30.0	30.7	31.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.4	27.4	31.3	32.0
115°	0.7	12.4	25.5	30.7	30.0
117.5°	0.7	10.4	22.9	27.4	26.1
120°	0.7	9.1	20.9	24.8	22.9
122.5°	0.7	7.8	18.3	21.6	20.2
125°	0.7	6.5	16.3	19.6	17.6
127.5°	0.7	5.9	14.4	17.0	15.7
130°	0.7	5.2	12.4	15.0	13.7
132.5°	0.7	3.9	11.1	13.1	11.1
135°	0.7	3.3	9.1	11.1	9.1
137.5°	0.7	2.6	7.8	9.1	7.8
140°	0.7	2.0	6.5	7.8	6.5
142.5°	0.7	2.0	5.2	7.2	5.2
145°	0.7	1.3	4.6	5.9	4.6
147.5°	0.7	1.3	3.9	5.2	3.9
150°	0.7	1.3	3.3	4.6	2.6
152.5°	0.7	0.7	2.6	3.9	2.0
155°	0.7	0.7	2.0	2.6	1.3
157.5°	0.7	0.7	2.0	2.0	1.3
160°	0.7	0.7	2.0	2.0	0.7
162.5°	0.7	0.7	1.3	1.3	0.0
165°	0.7	1.3	1.3	1.3	0.0
167.5°	0.7	1.3	1.3	1.3	0.0
170°	0.7	1.3	1.3	1.3	0.0
172.5°	0.7	1.3	1.3	1.3	0.0
175°	1.3	1.3	1.3	1.3	0.0
177.5°	1.3	1.3	1.3	1.3	0.0
180°	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)