

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-LD5-38SL-LN-UNV-L830-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-LD5-38SL-LN-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

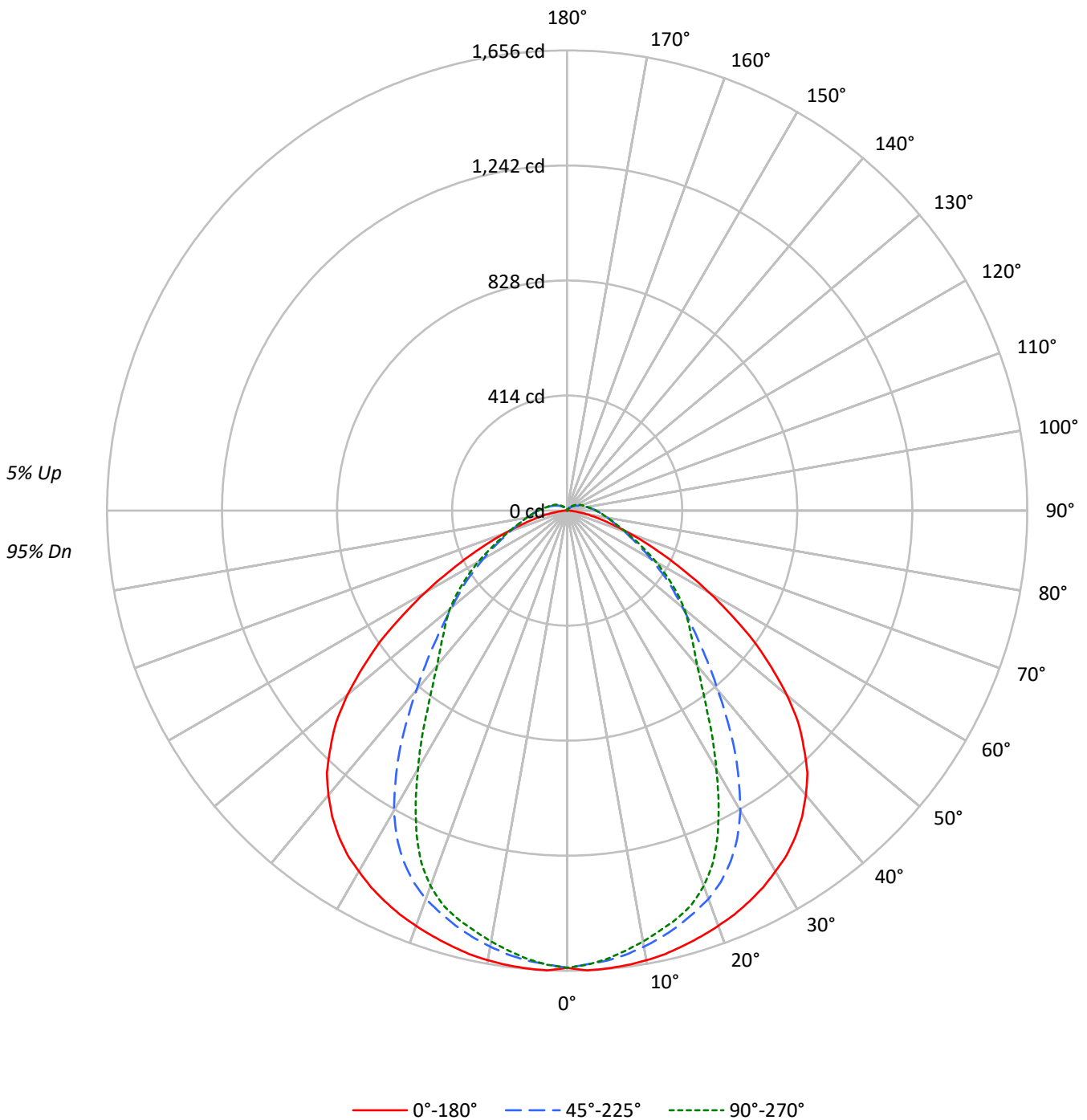
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3761.0 lumens  
Efficiency: N/A  
Efficacy: 140.3 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): 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	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95				
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

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

	0°	45°	90°
0°	19316	19316	19316
5°	19419	18360	18047
10°	19438	17450	16800
15°	19462	16568	15692
20°	19548	15703	14459
25°	19687	14615	12684
30°	19809	13102	10504
35°	19897	11136	8566
40°	19733	9084	7143
45°	19123	7439	6279
50°	17884	6176	5607
55°	15797	5273	4815
60°	12864	4373	4023
65°	9884	3663	3295
70°	7218	3136	2729
75°	5046	2773	2320
80°	3387	2569	2072
85°	1959	2449	1932



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.0	4.1
10°-20°	440.2	11.7
20°-30°	643.1	17.1
30°-40°	686.9	18.3
40°-50°	605.3	16.1
50°-60°	459.6	12.2
60°-70°	293.0	7.8
70°-80°	174.8	4.6
80°-90°	109.8	2.9
90°-100°	72.7	1.9
100°-110°	49.4	1.3
110°-120°	33.2	0.9
120°-130°	20.5	0.5
130°-140°	10.8	0.3
140°-150°	4.7	0.1
150°-160°	1.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1238.3	32.9
0°-40°	1925.2	51.2
0°-60°	2990.1	79.5
0°-90°	3567.7	94.9
90°-120°	155.3	4.1
90°-150°	191.3	5.1
90°-180°	193.0	5.1
0°-180°	3761.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1645	1645	1645	1645	1645	
5°	1654	1642	1626	1631	1620	158
15°	1620	1590	1547	1536	1521	458
25°	1552	1482	1393	1326	1283	716
35°	1432	1277	1051	919	876	895
45°	1204	906	674	634	630	925
55°	822	514	443	458	459	727
65°	390	264	274	290	288	394
75°	130	134	176	184	178	145
85°	22	73	123	129	124	27
90°	1	55	104	109	104	2
95°	0	42	87	92	87	0
105°	0	26	61	66	64	0
115°	0	16	42	50	49	0
125°	1	11	28	35	34	1
135°	1	6	17	21	20	1
145°	1	2	9	12	11	1
155°	1	2	3	5	3	0
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1645.0	1645.0	1645.0	1645.0	1645.0
2.5°	1656.4	1646.6	1634.3	1642.5	1636.0
5°	1654.0	1641.7	1626.2	1631.1	1620.4
7.5°	1649.9	1634.3	1612.2	1610.6	1598.3
10°	1643.3	1622.9	1593.4	1587.7	1574.6
12.5°	1634.3	1609.0	1572.1	1563.1	1547.6
15°	1620.4	1590.2	1546.8	1536.1	1521.4
17.5°	1606.5	1568.9	1518.1	1505.0	1487.9
20°	1590.2	1544.3	1487.0	1459.2	1437.9
22.5°	1573.0	1516.5	1446.1	1399.5	1371.6
25°	1551.7	1482.1	1392.9	1325.8	1283.3
27.5°	1528.0	1446.1	1327.4	1230.9	1180.1
30°	1499.3	1397.8	1247.2	1126.1	1072.9
32.5°	1470.7	1345.5	1149.0	1023.0	974.7
35°	1432.2	1276.7	1050.8	919.1	876.5
37.5°	1388.8	1199.8	943.6	826.6	795.5
40°	1336.4	1109.8	843.0	749.7	726.7
42.5°	1280.0	1010.7	755.4	687.5	675.2
45°	1203.9	906.0	673.5	634.3	630.2
47.5°	1128.6	801.2	604.0	587.6	590.1
50°	1032.0	697.3	541.0	546.7	550.8
52.5°	925.6	601.5	489.4	501.7	505.0
55°	821.7	514.0	442.8	458.3	459.1
57.5°	700.6	437.0	392.0	415.7	413.3
60°	590.9	369.1	348.6	367.5	369.1
62.5°	482.9	313.4	310.2	326.5	325.7
65°	390.4	264.3	274.2	290.5	288.1
67.5°	310.2	221.0	243.9	257.8	252.1
70°	236.5	187.4	217.7	228.3	225.1
72.5°	177.6	158.8	194.8	204.6	198.9
75°	130.1	134.2	176.0	184.1	178.4
77.5°	93.3	115.4	161.2	166.1	162.0
80°	63.0	98.2	146.5	153.0	146.5
82.5°	40.1	84.3	134.2	139.9	134.2
85°	22.1	72.8	122.8	129.3	123.6
87.5°	9.8	63.0	112.9	118.7	113.8
90°	0.8	54.8	103.9	108.8	103.9
92.5°	0.0	47.5	94.9	100.7	95.8
95°	0.0	41.7	86.8	91.7	86.8
97.5°	0.0	36.8	79.4	84.3	80.2
100°	0.0	32.7	72.8	77.7	73.7
102.5°	0.0	28.6	66.3	72.0	68.7
105°	0.0	26.2	60.6	66.3	63.8
107.5°	0.0	22.9	55.7	62.2	60.6
110°	0.0	20.5	50.7	58.1	56.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.8	45.8	54.0	52.4
115°	0.0	16.4	41.7	49.9	49.1
117.5°	0.0	14.7	38.5	45.8	45.8
120°	0.8	13.1	35.2	42.6	41.7
122.5°	0.8	11.5	31.1	38.5	37.6
125°	0.8	10.6	27.8	35.2	34.4
127.5°	0.8	9.0	25.4	31.1	30.3
130°	0.8	8.2	22.1	27.8	27.0
132.5°	0.8	6.5	19.6	24.6	23.7
135°	0.8	5.7	17.2	21.3	20.5
137.5°	0.8	4.9	14.7	18.8	18.0
140°	0.8	4.1	13.1	16.4	15.5
142.5°	0.8	3.3	10.6	13.9	13.1
145°	0.8	2.5	9.0	11.5	10.6
147.5°	0.8	1.6	7.4	9.8	9.0
150°	0.8	1.6	5.7	8.2	7.4
152.5°	0.8	1.6	4.9	6.5	4.9
155°	0.8	1.6	3.3	4.9	3.3
157.5°	0.8	1.6	2.5	3.3	2.5
160°	0.8	1.6	2.5	2.5	0.8
162.5°	0.8	1.6	1.6	0.8	0.0
165°	0.8	1.6	1.6	0.0	0.0
167.5°	0.8	1.6	1.6	0.0	0.0
170°	0.8	1.6	1.6	0.0	0.0
172.5°	0.8	1.6	1.6	0.0	0.0
175°	1.6	1.6	1.6	0.0	0.0
177.5°	0.8	1.6	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)