

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-LD5-44SL-LW-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 (P35653)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SRL-LD5-44SL-LW-UNV-L830-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

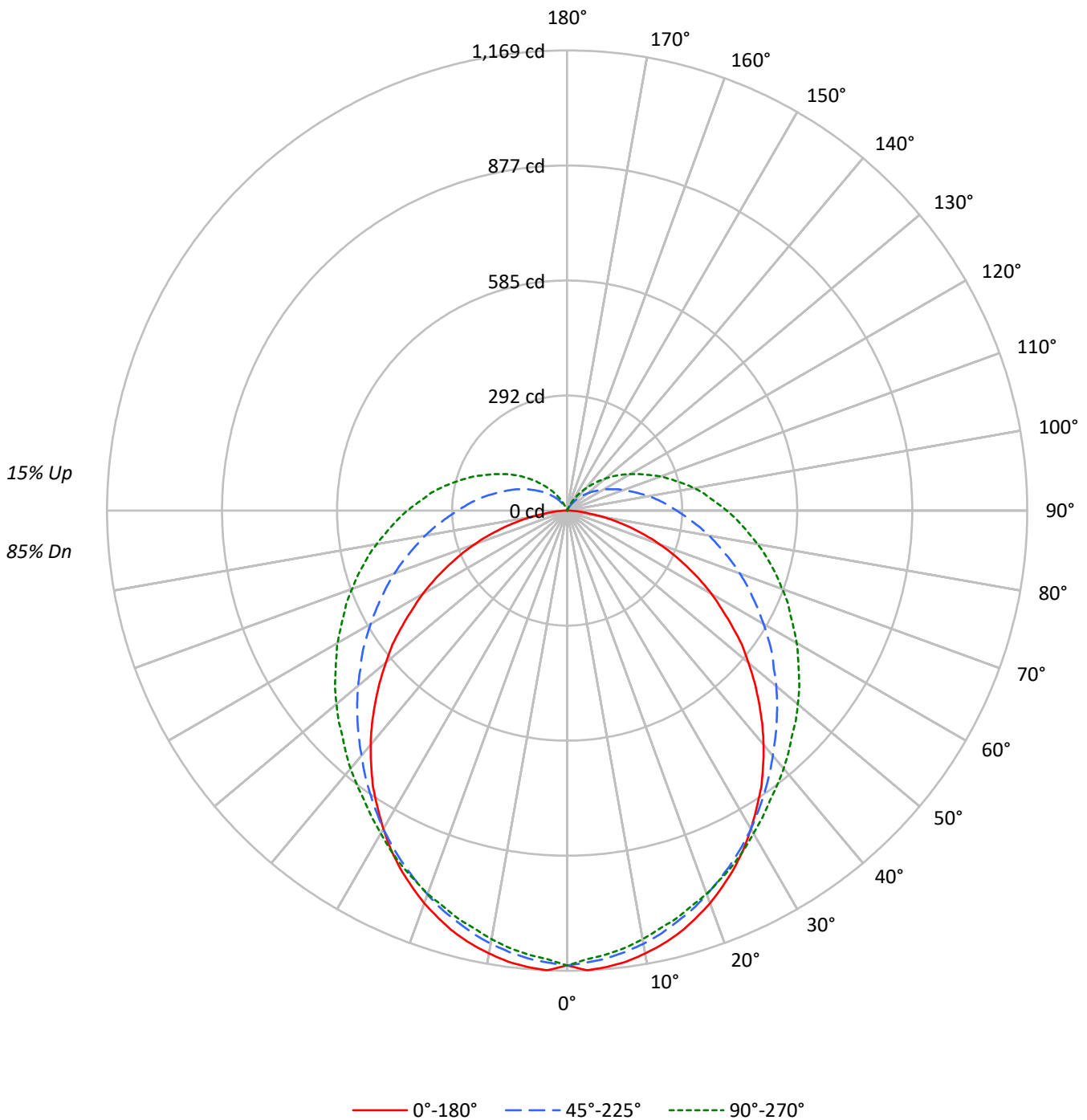
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4446.0 lumens  
Efficiency: N/A  
Efficacy: 121.1 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): 36.7  
Input Voltage (V): NR  
Input Current (Ain): 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	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°	13568	13568	13568
5°	13664	12896	12611
10°	13512	12237	11798
15°	13322	11579	11064
20°	13045	10962	10421
25°	12728	10370	9833
30°	12336	9808	9271
35°	11937	9264	8785
40°	11464	8758	8413
45°	10940	8319	8050
50°	10413	7919	7786
55°	9833	7570	7535
60°	9226	7227	7344
65°	8466	6944	7156
70°	7630	6724	7046
75°	6486	6522	6977
80°	4898	6417	6955
85°	2793	6372	6986



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.7	2.4
10°-20°	306.8	6.9
20°-30°	458.2	10.3
30°-40°	549.2	12.4
40°-50°	581.0	13.1
50°-60°	561.0	12.6
60°-70°	499.1	11.2
70°-80°	410.3	9.2
80°-90°	313.8	7.1
90°-100°	236.0	5.3
100°-110°	172.2	3.9
110°-120°	118.0	2.7
120°-130°	73.6	1.7
130°-140°	39.3	0.9
140°-150°	15.8	0.4
150°-160°	3.0	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	873.8	19.7
0°-40°	1423.0	32.0
0°-60°	2565.0	57.7
0°-90°	3788.2	85.2
90°-120°	526.2	11.8
90°-150°	654.9	14.7
90°-180°	658.0	14.8
0°-180°	4446.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1164	1157	1142	1141	1132	110
15°	1109	1098	1081	1081	1073	312
25°	1003	993	988	1000	995	462
35°	859	856	874	899	899	536
45°	689	708	753	796	808	532
55°	512	558	636	699	718	458
65°	334	411	520	601	626	332
75°	167	276	414	508	536	178
85°	32	170	320	416	447	38
90°	0	131	278	374	406	2
95°	0	101	243	336	364	0
105°	0	63	179	262	288	0
115°	0	38	128	197	217	0
125°	0	23	86	139	156	0
135°	0	12	53	88	98	0
145°	0	3	23	45	51	0
155°	0	0	3	12	12	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1155.5	1155.5	1155.5	1155.5	1155.5
2.5°	1168.8	1162.1	1148.9	1147.2	1140.6
5°	1163.8	1157.2	1142.3	1140.6	1132.3
7.5°	1155.5	1147.2	1130.7	1129.0	1120.7
10°	1142.3	1134.0	1117.4	1115.8	1105.8
12.5°	1127.4	1119.1	1100.9	1099.2	1087.6
15°	1109.2	1097.6	1081.0	1081.0	1072.7
17.5°	1086.0	1076.1	1061.2	1062.8	1052.9
20°	1061.2	1051.2	1038.0	1042.9	1036.3
22.5°	1033.0	1021.4	1013.1	1019.8	1014.8
25°	1003.2	993.3	988.3	999.9	994.9
27.5°	970.1	960.2	961.8	973.4	971.8
30°	933.7	927.1	933.7	948.6	946.9
32.5°	895.6	892.3	903.9	923.7	923.7
35°	859.2	855.9	874.1	898.9	898.9
37.5°	817.8	819.5	844.3	872.4	877.4
40°	776.4	783.0	812.8	847.6	855.9
42.5°	733.4	745.0	783.0	821.1	832.7
45°	688.7	708.5	753.2	796.3	807.9
47.5°	645.6	670.5	723.4	773.1	788.0
50°	600.9	630.7	693.6	748.3	764.8
52.5°	559.5	594.3	662.2	723.4	743.3
55°	511.5	557.9	635.7	698.6	718.5
57.5°	465.2	519.8	605.9	673.8	695.3
60°	423.8	481.7	576.1	650.6	673.8
62.5°	379.1	445.3	548.0	625.8	648.9
65°	334.4	410.6	519.8	600.9	625.8
67.5°	293.0	374.1	493.3	577.8	605.9
70°	250.0	341.0	466.8	554.6	581.1
72.5°	208.6	307.9	440.4	529.7	559.5
75°	167.2	276.5	413.9	508.2	536.4
77.5°	127.5	246.7	389.0	485.1	514.8
80°	91.1	218.5	365.9	461.9	491.7
82.5°	57.9	192.0	342.7	438.7	468.5
85°	31.5	170.5	319.5	415.5	447.0
87.5°	11.6	147.3	298.0	395.7	427.1
90°	0.0	130.8	278.1	374.1	405.6
92.5°	0.0	114.2	259.9	354.3	384.1
95°	0.0	101.0	243.4	336.1	364.2
97.5°	0.0	89.4	226.8	317.8	347.6
100°	0.0	79.5	210.2	298.0	327.8
102.5°	0.0	69.5	193.7	279.8	307.9
105°	0.0	62.9	178.8	261.6	288.1
107.5°	0.0	56.3	165.5	246.7	269.8
110°	0.0	49.7	152.3	228.5	253.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.7	140.7	213.6	233.4
115°	0.0	38.1	127.5	197.0	216.9
117.5°	0.0	34.8	117.5	182.1	200.3
120°	0.0	29.8	105.9	167.2	185.4
122.5°	0.0	26.5	96.0	152.3	170.5
125°	0.0	23.2	86.1	139.1	155.6
127.5°	0.0	19.9	77.8	125.8	140.7
130°	0.0	16.6	67.9	112.6	125.8
132.5°	0.0	13.2	59.6	99.3	112.6
135°	0.0	11.6	53.0	87.7	97.7
137.5°	0.0	8.3	44.7	76.2	86.1
140°	0.0	6.6	38.1	66.2	72.8
142.5°	0.0	5.0	29.8	54.6	62.9
145°	0.0	3.3	23.2	44.7	51.3
147.5°	0.0	1.7	16.6	36.4	39.7
150°	0.0	1.7	11.6	28.1	29.8
152.5°	0.0	0.0	8.3	19.9	19.9
155°	0.0	0.0	3.3	11.6	11.6
157.5°	1.7	0.0	1.7	5.0	5.0
160°	1.7	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)