

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-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 (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-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

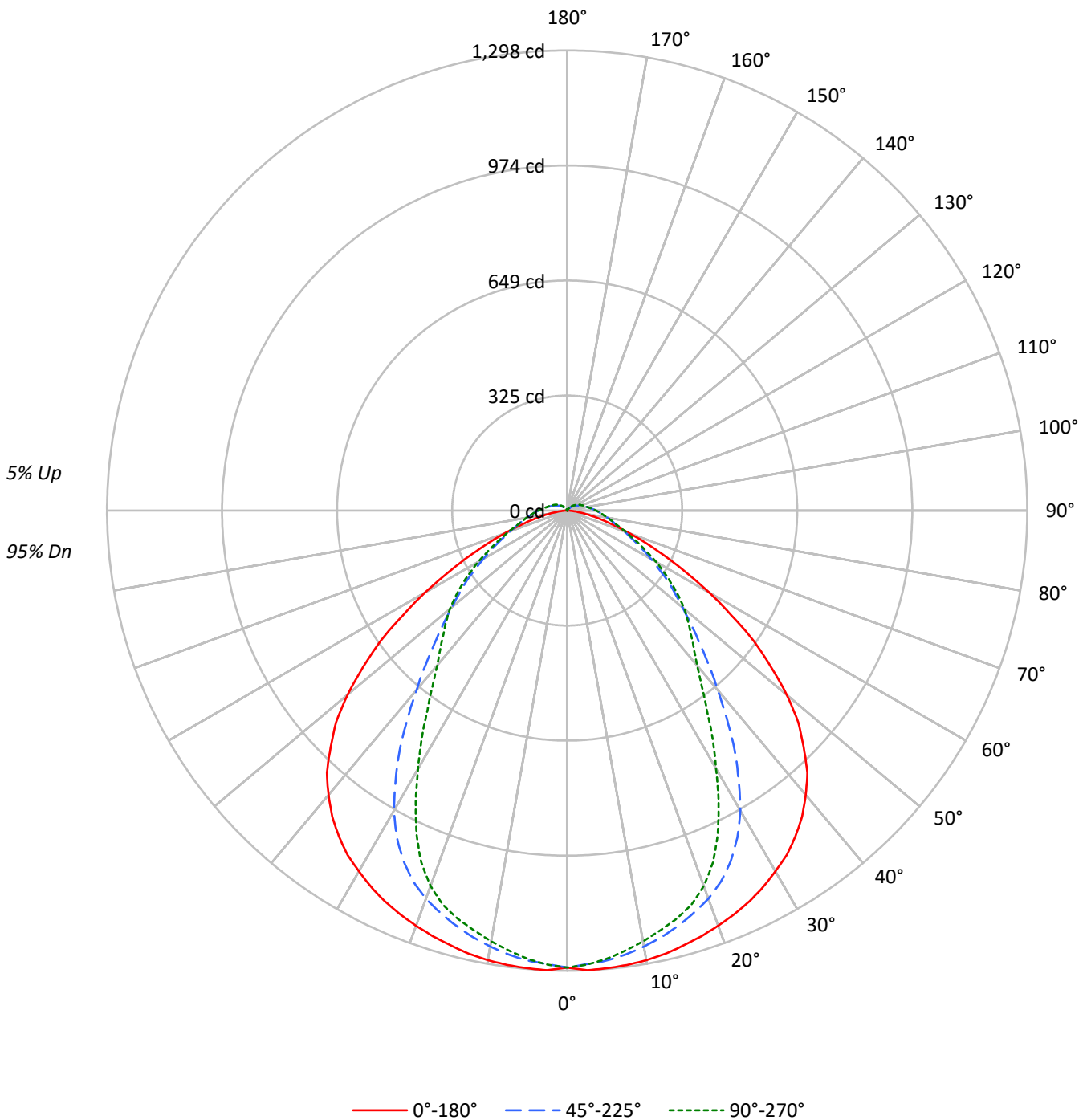
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2947.0 lumens  
Efficiency: N/A  
Efficacy: 145.9 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				
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°	15136	15136	15136
5°	15216	14386	14141
10°	15232	13674	13164
15°	15250	12982	12296
20°	15317	12305	11330
25°	15427	11452	9938
30°	15522	10266	8231
35°	15590	8726	6712
40°	15462	7117	5598
45°	14984	5829	4920
50°	14012	4840	4394
55°	12377	4131	3773
60°	10080	3427	3152
65°	7744	2870	2581
70°	5656	2457	2139
75°	3956	2173	1818
80°	2656	2013	1624
85°	1534	1919	1513



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.4	4.1
10°-20°	344.9	11.7
20°-30°	503.9	17.1
30°-40°	538.2	18.3
40°-50°	474.3	16.1
50°-60°	360.2	12.2
60°-70°	229.6	7.8
70°-80°	137.0	4.6
80°-90°	86.0	2.9
90°-100°	56.9	1.9
100°-110°	38.7	1.3
110°-120°	26.0	0.9
120°-130°	16.1	0.5
130°-140°	8.5	0.3
140°-150°	3.7	0.1
150°-160°	1.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	970.3	32.9
0°-40°	1508.5	51.2
0°-60°	2343.0	79.5
0°-90°	2795.6	94.9
90°-120°	121.7	4.1
90°-150°	149.9	5.1
90°-180°	151.0	5.1
0°-180°	2947.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1289	1289	1289	1289	1289	
5°	1296	1286	1274	1278	1270	123
15°	1270	1246	1212	1204	1192	359
25°	1216	1161	1091	1039	1006	561
35°	1122	1000	823	720	687	701
45°	943	710	528	497	494	725
55°	644	403	347	359	360	570
65°	306	207	215	228	226	309
75°	102	105	138	144	140	114
85°	17	57	96	101	97	21
90°	1	43	81	85	81	1
95°	0	33	68	72	68	0
105°	0	20	48	52	50	0
115°	0	13	33	39	38	0
125°	1	8	22	28	27	1
135°	1	4	14	17	16	0
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	



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1289.0	1289.0	1289.0	1289.0	1289.0
2.5°	1297.9	1290.2	1280.6	1287.0	1281.9
5°	1296.0	1286.4	1274.2	1278.1	1269.7
7.5°	1292.8	1280.6	1263.3	1262.0	1252.4
10°	1287.7	1271.6	1248.6	1244.1	1233.8
12.5°	1280.6	1260.7	1231.9	1224.8	1212.6
15°	1269.7	1246.0	1212.0	1203.7	1192.1
17.5°	1258.8	1229.3	1189.6	1179.3	1165.8
20°	1246.0	1210.1	1165.2	1143.4	1126.7
22.5°	1232.5	1188.3	1133.1	1096.6	1074.8
25°	1215.9	1161.3	1091.4	1038.9	1005.5
27.5°	1197.3	1133.1	1040.1	964.5	924.7
30°	1174.8	1095.3	977.3	882.4	840.7
32.5°	1152.4	1054.3	900.3	801.6	763.8
35°	1122.2	1000.4	823.4	720.1	686.8
37.5°	1088.2	940.1	739.4	647.7	623.3
40°	1047.2	869.6	660.5	587.4	569.5
42.5°	1003.0	792.0	591.9	538.7	529.1
45°	943.3	709.9	527.8	497.0	493.8
47.5°	884.3	627.8	473.3	460.4	462.4
50°	808.6	546.4	423.9	428.4	431.6
52.5°	725.3	471.3	383.5	393.1	395.7
55°	643.8	402.7	346.9	359.1	359.8
57.5°	548.9	342.4	307.2	325.8	323.8
60°	463.0	289.2	273.2	287.9	289.2
62.5°	378.4	245.6	243.0	255.9	255.2
65°	305.9	207.1	214.8	227.7	225.7
67.5°	243.0	173.1	191.1	202.0	197.5
70°	185.3	146.9	170.6	178.9	176.4
72.5°	139.2	124.4	152.6	160.3	155.8
75°	102.0	105.2	137.9	144.3	139.8
77.5°	73.1	90.4	126.3	130.2	127.0
80°	49.4	77.0	114.8	119.9	114.8
82.5°	31.4	66.1	105.2	109.7	105.2
85°	17.3	57.1	96.2	101.3	96.8
87.5°	7.7	49.4	88.5	93.0	89.1
90°	0.6	43.0	81.4	85.3	81.4
92.5°	0.0	37.2	74.4	78.9	75.0
95°	0.0	32.7	68.0	71.8	68.0
97.5°	0.0	28.9	62.2	66.1	62.8
100°	0.0	25.7	57.1	60.9	57.7
102.5°	0.0	22.4	51.9	56.4	53.9
105°	0.0	20.5	47.5	51.9	50.0
107.5°	0.0	18.0	43.6	48.7	47.5
110°	0.0	16.0	39.8	45.5	44.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	14.7	35.9	42.3	41.0
115°	0.0	12.8	32.7	39.1	38.5
117.5°	0.0	11.5	30.1	35.9	35.9
120°	0.6	10.3	27.6	33.3	32.7
122.5°	0.6	9.0	24.4	30.1	29.5
125°	0.6	8.3	21.8	27.6	26.9
127.5°	0.6	7.1	19.9	24.4	23.7
130°	0.6	6.4	17.3	21.8	21.2
132.5°	0.6	5.1	15.4	19.2	18.6
135°	0.6	4.5	13.5	16.7	16.0
137.5°	0.6	3.8	11.5	14.7	14.1
140°	0.6	3.2	10.3	12.8	12.2
142.5°	0.6	2.6	8.3	10.9	10.3
145°	0.6	1.9	7.1	9.0	8.3
147.5°	0.6	1.3	5.8	7.7	7.1
150°	0.6	1.3	4.5	6.4	5.8
152.5°	0.6	1.3	3.8	5.1	3.8
155°	0.6	1.3	2.6	3.8	2.6
157.5°	0.6	1.3	1.9	2.6	1.9
160°	0.6	1.3	1.9	1.9	0.6
162.5°	0.6	1.3	1.3	0.6	0.0
165°	0.6	1.3	1.3	0.0	0.0
167.5°	0.6	1.3	1.3	0.0	0.0
170°	0.6	1.3	1.3	0.0	0.0
172.5°	0.6	1.3	1.3	0.0	0.0
175°	1.3	1.3	1.3	0.0	0.0
177.5°	0.6	1.3	0.6	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)