

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-LD5-47SL-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-LD5-47SL-LC-UNV-L840-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

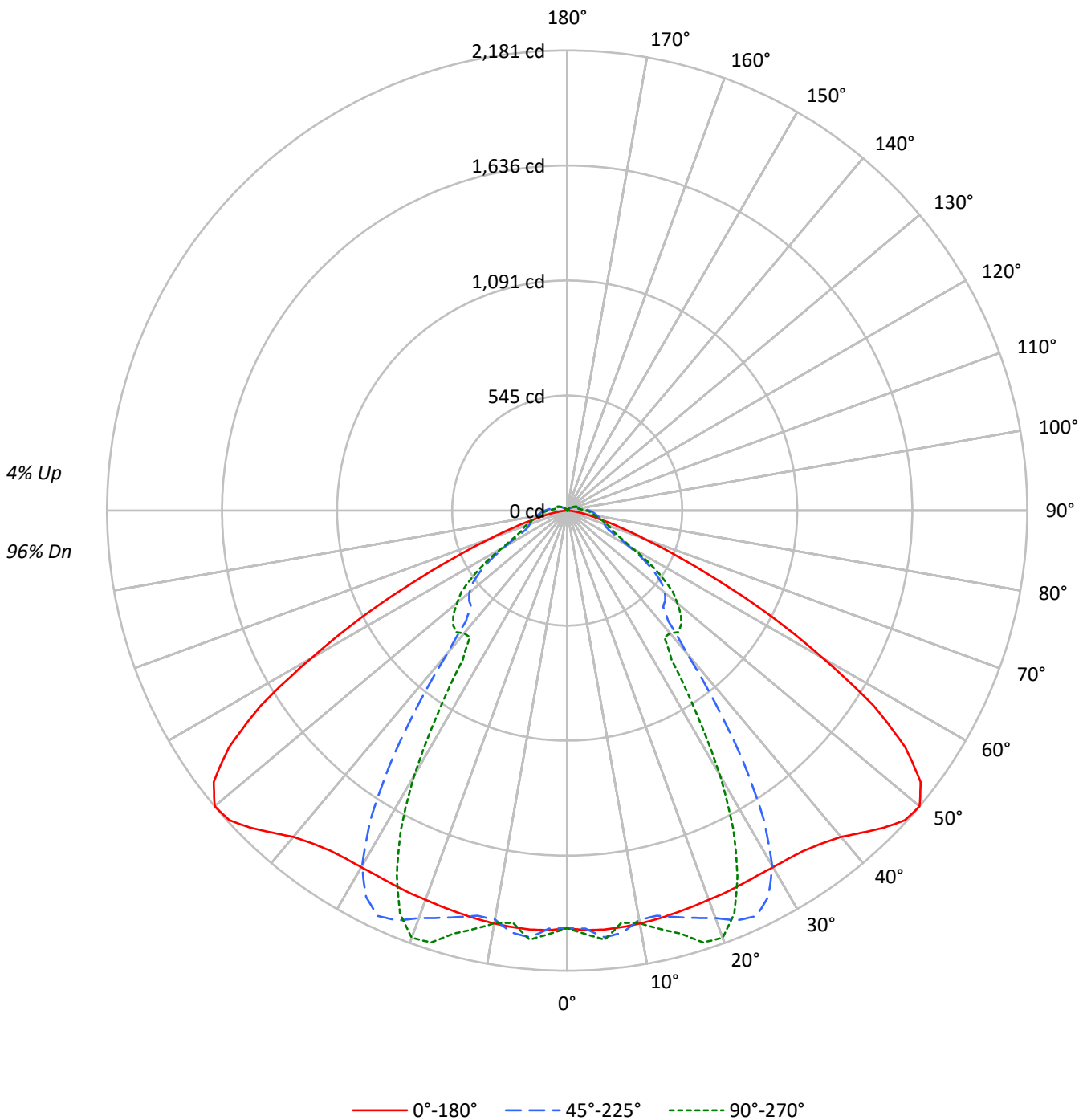
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4773.0 lumens  
Efficiency: N/A  
Efficacy: 141.6 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): 33.7  
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	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°	23239	23239	23239
5°	23404	22919	22734
10°	23507	21563	21193
15°	23722	21363	21400
20°	24128	21707	21663
25°	24800	22251	18877
30°	25785	20416	14204
35°	27298	15440	8437
40°	29809	9457	7466
45°	33749	7106	7618
50°	37790	6904	6934
55°	37616	5989	5733
60°	30542	4227	3883
65°	20309	2924	2818
70°	11714	2712	2542
75°	6435	2663	2158
80°	3559	2553	1843
85°	1623	2517	1815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.3	4.0
10°-20°	573.8	12.0
20°-30°	913.2	19.1
30°-40°	930.7	19.5
40°-50°	786.1	16.5
50°-60°	605.9	12.7
60°-70°	313.0	6.6
70°-80°	172.9	3.6
80°-90°	110.1	2.3
90°-100°	67.7	1.4
100°-110°	43.7	0.9
110°-120°	31.7	0.7
120°-130°	18.3	0.4
130°-140°	8.8	0.2
140°-150°	3.7	0.1
150°-160°	1.3	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1678.4	35.2
0°-40°	2609.1	54.7
0°-60°	4001.1	83.8
0°-90°	4597.1	96.3
90°-120°	143.1	3.0
90°-150°	173.9	3.6
90°-180°	176.0	3.7
0°-180°	4773.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1979	1979	1979	1979	1979	
5°	1993	2000	2030	2049	2041	190
15°	1975	1976	1994	2066	2075	560
25°	1955	1968	2121	2017	1910	905
35°	1965	2058	1457	991	863	1240
45°	2125	1240	643	742	765	1641
55°	1957	456	503	547	547	1694
65°	802	209	219	246	246	828
75°	166	137	169	170	166	200
85°	18	90	126	122	116	25
90°	0	69	105	97	90	1
95°	0	54	84	73	67	0
105°	0	33	55	51	48	0
115°	1	19	40	48	47	1
125°	1	10	26	30	28	1
135°	1	5	14	17	14	1
145°	1	2	7	9	7	1
155°	1	1	3	4	2	0
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1979.1	1979.1	1979.1	1979.1	1979.1
2.5°	1990.3	1983.2	1983.2	2008.7	2008.7
5°	1993.4	2000.5	2030.0	2049.4	2041.2
7.5°	1991.3	2023.9	2016.8	1988.3	1970.0
10°	1987.3	2036.1	1969.0	1988.3	1986.3
12.5°	1982.2	2017.8	1966.9	2035.1	2031.1
15°	1975.1	1976.1	1994.4	2065.7	2074.8
17.5°	1969.0	1949.6	2023.9	2119.6	2146.1
20°	1962.8	1941.5	2055.5	2165.4	2154.2
22.5°	1959.8	1948.6	2102.3	2130.8	2068.7
25°	1954.7	1967.9	2120.6	2016.8	1909.9
27.5°	1950.6	1990.3	2064.7	1822.3	1708.3
30°	1951.6	2021.9	1943.5	1594.3	1450.8
32.5°	1954.7	2052.4	1732.8	1288.9	1140.2
35°	1964.9	2057.5	1456.9	990.6	863.3
37.5°	1987.3	2001.5	1156.5	783.9	756.4
40°	2018.8	1832.5	877.6	732.0	759.5
42.5°	2069.7	1548.5	709.6	740.1	780.9
45°	2124.7	1240.0	643.4	742.2	764.6
47.5°	2171.5	915.2	630.2	714.7	731.0
50°	2180.7	689.2	604.7	670.9	681.1
52.5°	2111.5	544.7	564.0	612.9	631.2
55°	1956.7	456.1	502.9	546.7	546.7
57.5°	1723.6	386.9	422.5	464.2	460.2
60°	1402.9	318.7	337.0	362.4	356.3
62.5°	1103.6	255.5	261.6	289.1	293.2
65°	802.2	208.7	218.9	246.4	246.4
67.5°	563.0	178.2	197.5	223.0	225.0
70°	383.8	160.9	188.3	208.7	209.7
72.5°	261.6	148.6	179.2	190.4	187.3
75°	165.9	137.4	169.0	170.0	165.9
77.5°	107.9	125.2	158.8	150.7	147.6
80°	66.2	113.0	145.6	135.4	130.3
82.5°	37.7	100.8	135.4	128.3	123.2
85°	18.3	89.6	126.2	122.2	116.1
87.5°	7.1	79.4	116.1	110.0	103.8
90°	0.0	69.2	104.9	96.7	89.6
92.5°	0.0	61.1	93.7	83.5	77.4
95°	0.0	54.0	83.5	73.3	67.2
97.5°	0.0	47.8	74.3	65.2	58.0
100°	0.0	42.8	67.2	58.0	52.9
102.5°	0.0	37.7	60.1	54.0	50.9
105°	0.0	32.6	55.0	50.9	47.8
107.5°	0.0	28.5	49.9	48.9	46.8
110°	0.0	25.5	46.8	47.8	48.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.4	42.8	48.9	49.9
115°	1.0	19.3	39.7	47.8	46.8
117.5°	1.0	16.3	35.6	42.8	40.7
120°	1.0	14.3	32.6	38.7	35.6
122.5°	1.0	12.2	28.5	33.6	31.6
125°	1.0	10.2	25.5	30.5	27.5
127.5°	1.0	9.2	22.4	26.5	24.4
130°	1.0	8.1	19.3	23.4	21.4
132.5°	1.0	6.1	17.3	20.4	17.3
135°	1.0	5.1	14.3	17.3	14.3
137.5°	1.0	4.1	12.2	14.3	12.2
140°	1.0	3.1	10.2	12.2	10.2
142.5°	1.0	3.1	8.1	11.2	8.1
145°	1.0	2.0	7.1	9.2	7.1
147.5°	1.0	2.0	6.1	8.1	6.1
150°	1.0	2.0	5.1	7.1	4.1
152.5°	1.0	1.0	4.1	6.1	3.1
155°	1.0	1.0	3.1	4.1	2.0
157.5°	1.0	1.0	3.1	3.1	2.0
160°	1.0	1.0	3.1	3.1	1.0
162.5°	1.0	1.0	2.0	2.0	0.0
165°	1.0	2.0	2.0	2.0	0.0
167.5°	1.0	2.0	2.0	2.0	0.0
170°	1.0	2.0	2.0	2.0	0.0
172.5°	1.0	2.0	2.0	2.0	0.0
175°	2.0	2.0	2.0	2.0	0.0
177.5°	2.0	2.0	2.0	2.0	0.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)