

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-LD5-34SL-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-LD5-34SL-LC-UNV-L840-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

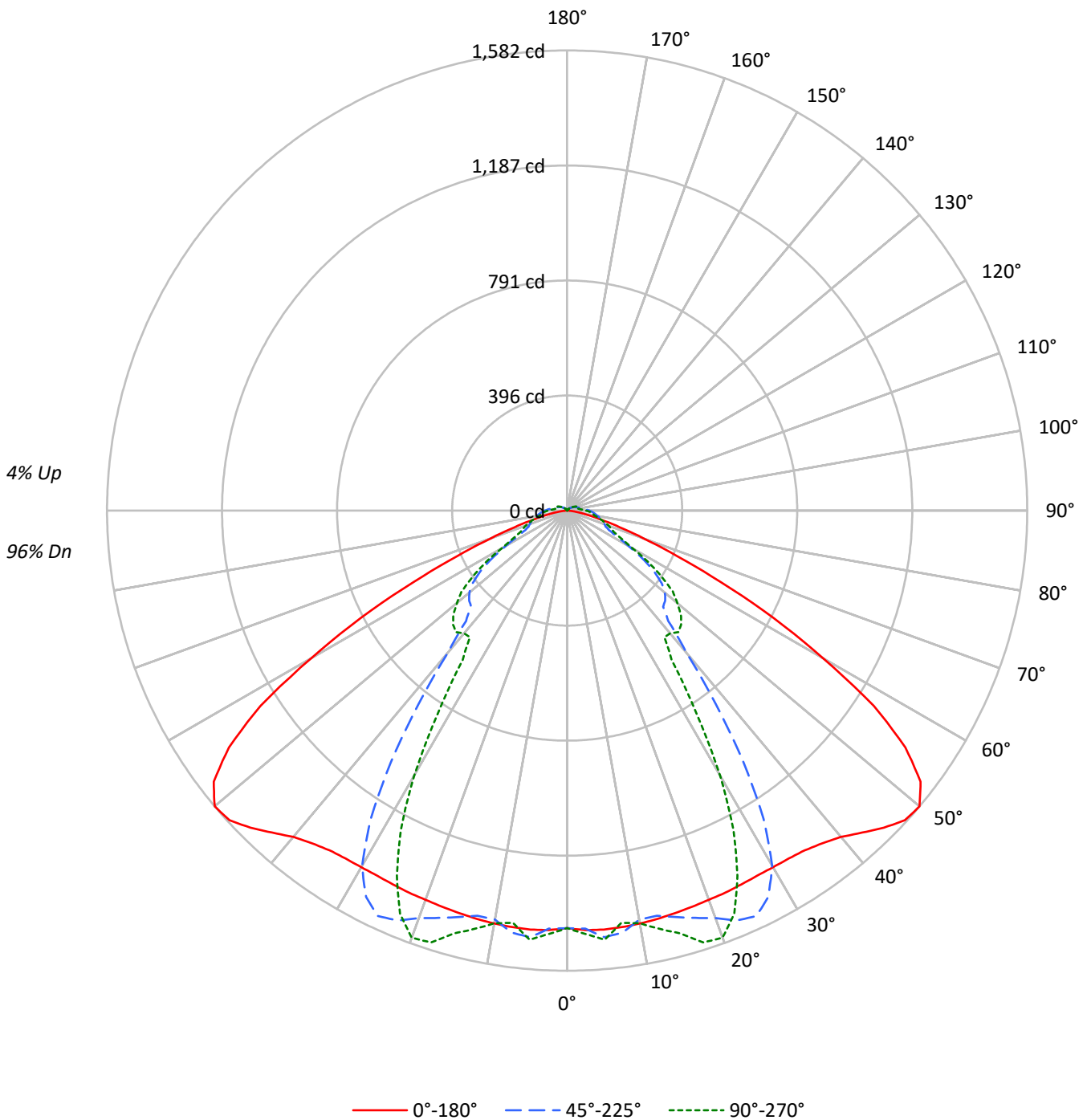
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3462.0 lumens  
Efficiency: N/A  
Efficacy: 149.9 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): 23.1  
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	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

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

	0°	45°	90°
0°	16856	16856	16856
5°	16976	16623	16490
10°	17050	15639	15371
15°	17206	15495	15522
20°	17501	15745	15712
25°	17988	16140	13692
30°	18703	14809	10303
35°	19800	11199	6120
40°	21621	6859	5415
45°	24479	5155	5526
50°	27410	5007	5029
55°	27285	4344	4158
60°	22154	3066	2817
65°	14732	2121	2044
70°	8497	1968	1844
75°	4670	1932	1566
80°	2581	1852	1337
85°	1179	1827	1316



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.8	4.0
10°-20°	416.2	12.0
20°-30°	662.4	19.1
30°-40°	675.1	19.5
40°-50°	570.2	16.5
50°-60°	439.5	12.7
60°-70°	227.0	6.6
70°-80°	125.5	3.6
80°-90°	79.8	2.3
90°-100°	49.1	1.4
100°-110°	31.7	0.9
110°-120°	23.0	0.7
120°-130°	13.3	0.4
130°-140°	6.4	0.2
140°-150°	2.7	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1217.4	35.2
0°-40°	1892.5	54.7
0°-60°	2902.1	83.8
0°-90°	3334.5	96.3
90°-120°	103.8	3.0
90°-150°	126.1	3.6
90°-180°	128.0	3.7
0°-180°	3462.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1436	1436	1436	1436	1436	
5°	1446	1451	1472	1486	1481	138
15°	1433	1433	1447	1498	1505	406
25°	1418	1427	1538	1463	1385	656
35°	1425	1492	1057	718	626	900
45°	1541	899	467	538	555	1190
55°	1419	331	365	396	396	1229
65°	582	151	159	179	179	600
75°	120	100	123	123	120	145
85°	13	65	92	89	84	18
90°	0	50	76	70	65	1
95°	0	39	61	53	49	0
105°	0	24	40	37	35	0
115°	1	14	29	35	34	0
125°	1	7	18	22	20	1
135°	1	4	10	13	10	1
145°	1	2	5	7	5	0
155°	1	1	2	3	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°	1435.5	1435.5	1435.5	1435.5	1435.5
2.5°	1443.6	1438.5	1438.5	1456.9	1456.9
5°	1445.9	1451.0	1472.4	1486.5	1480.6
7.5°	1444.4	1468.0	1462.8	1442.2	1428.9
10°	1441.4	1476.9	1428.1	1442.2	1440.7
12.5°	1437.7	1463.6	1426.7	1476.1	1473.2
15°	1432.6	1433.3	1446.6	1498.3	1504.9
17.5°	1428.1	1414.1	1468.0	1537.4	1556.6
20°	1423.7	1408.2	1490.9	1570.7	1562.5
22.5°	1421.5	1413.4	1524.9	1545.6	1500.5
25°	1417.8	1427.4	1538.2	1462.8	1385.3
27.5°	1414.8	1443.6	1497.6	1321.8	1239.1
30°	1415.6	1466.5	1409.7	1156.4	1052.3
32.5°	1417.8	1488.7	1256.8	934.9	827.1
35°	1425.2	1492.4	1056.7	718.5	626.2
37.5°	1441.4	1451.8	838.9	568.6	548.7
40°	1464.3	1329.2	636.5	530.9	550.9
42.5°	1501.2	1123.2	514.7	536.8	566.4
45°	1541.1	899.4	466.7	538.3	554.6
47.5°	1575.1	663.9	457.1	518.4	530.2
50°	1581.7	499.9	438.6	486.6	494.0
52.5°	1531.5	395.1	409.1	444.5	457.8
55°	1419.3	330.8	364.8	396.5	396.5
57.5°	1250.2	280.6	306.5	336.7	333.8
60°	1017.6	231.1	244.4	262.9	258.5
62.5°	800.5	185.3	189.8	209.7	212.7
65°	581.9	151.4	158.8	178.7	178.7
67.5°	408.4	129.2	143.3	161.7	163.2
70°	278.4	116.7	136.6	151.4	152.1
72.5°	189.8	107.8	130.0	138.1	135.9
75°	120.4	99.7	122.6	123.3	120.4
77.5°	78.3	90.8	115.2	109.3	107.1
80°	48.0	82.0	105.6	98.2	94.5
82.5°	27.3	73.1	98.2	93.0	89.4
85°	13.3	65.0	91.6	88.6	84.2
87.5°	5.2	57.6	84.2	79.8	75.3
90°	0.0	50.2	76.1	70.2	65.0
92.5°	0.0	44.3	67.9	60.6	56.1
95°	0.0	39.1	60.6	53.2	48.7
97.5°	0.0	34.7	53.9	47.3	42.1
100°	0.0	31.0	48.7	42.1	38.4
102.5°	0.0	27.3	43.6	39.1	36.9
105°	0.0	23.6	39.9	36.9	34.7
107.5°	0.0	20.7	36.2	35.4	34.0
110°	0.0	18.5	34.0	34.7	35.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.2	31.0	35.4	36.2
115°	0.7	14.0	28.8	34.7	34.0
117.5°	0.7	11.8	25.8	31.0	29.5
120°	0.7	10.3	23.6	28.1	25.8
122.5°	0.7	8.9	20.7	24.4	22.9
125°	0.7	7.4	18.5	22.2	19.9
127.5°	0.7	6.6	16.2	19.2	17.7
130°	0.7	5.9	14.0	17.0	15.5
132.5°	0.7	4.4	12.6	14.8	12.6
135°	0.7	3.7	10.3	12.6	10.3
137.5°	0.7	3.0	8.9	10.3	8.9
140°	0.7	2.2	7.4	8.9	7.4
142.5°	0.7	2.2	5.9	8.1	5.9
145°	0.7	1.5	5.2	6.6	5.2
147.5°	0.7	1.5	4.4	5.9	4.4
150°	0.7	1.5	3.7	5.2	3.0
152.5°	0.7	0.7	3.0	4.4	2.2
155°	0.7	0.7	2.2	3.0	1.5
157.5°	0.7	0.7	2.2	2.2	1.5
160°	0.7	0.7	2.2	2.2	0.7
162.5°	0.7	0.7	1.5	1.5	0.0
165°	0.7	1.5	1.5	1.5	0.0
167.5°	0.7	1.5	1.5	1.5	0.0
170°	0.7	1.5	1.5	1.5	0.0
172.5°	0.7	1.5	1.5	1.5	0.0
175°	1.5	1.5	1.5	1.5	0.0
177.5°	1.5	1.5	1.5	1.5	0.0
180°	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)