

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

Light Source: -
Ballast/Driver: -

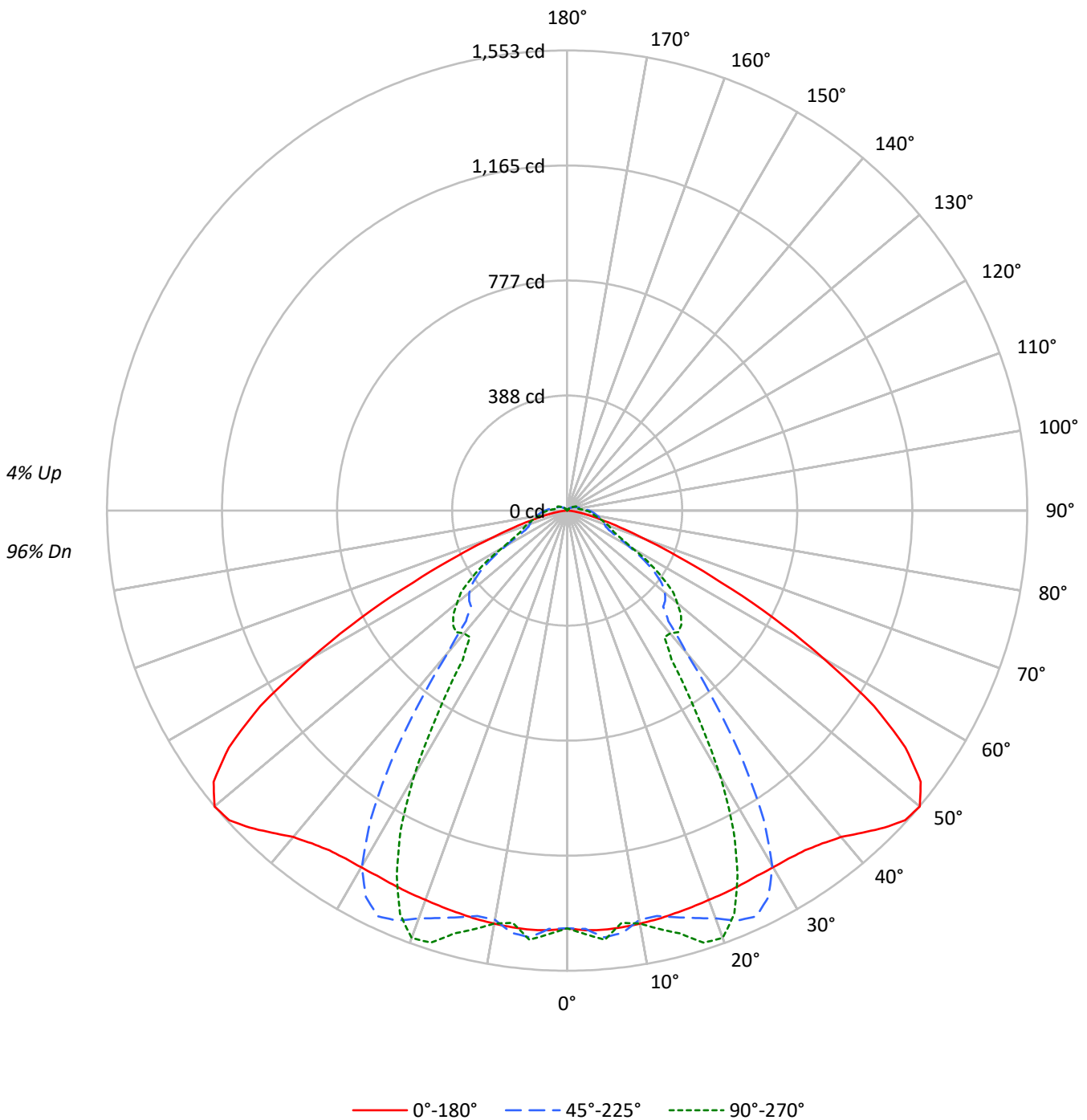
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3400.0 lumens
Efficiency: N/A
Efficacy: 147.2 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_{in}): 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	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°	16554	16554	16554
5°	16672	16326	16195
10°	16745	15360	15096
15°	16897	15218	15244
20°	17188	15463	15432
25°	17666	15850	13447
30°	18368	14543	10118
35°	19446	10999	6010
40°	21234	6736	5318
45°	24041	5062	5426
50°	26919	4918	4939
55°	26797	4267	4084
60°	21756	3011	2766
65°	14469	2083	2007
70°	8344	1933	1811
75°	4585	1897	1537
80°	2532	1819	1313
85°	1161	1793	1293



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	4.0
10°-20°	408.8	12.0
20°-30°	650.5	19.1
30°-40°	663.0	19.5
40°-50°	560.0	16.5
50°-60°	431.6	12.7
60°-70°	223.0	6.6
70°-80°	123.2	3.6
80°-90°	78.4	2.3
90°-100°	48.2	1.4
100°-110°	31.1	0.9
110°-120°	22.6	0.7
120°-130°	13.0	0.4
130°-140°	6.3	0.2
140°-150°	2.6	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1195.6	35.2
0°-40°	1858.6	54.7
0°-60°	2850.2	83.8
0°-90°	3274.7	96.3
90°-120°	101.9	3.0
90°-150°	123.9	3.6
90°-180°	125.0	3.7
0°-180°	3400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1410	1410	1410	1410	1410	
5°	1420	1425	1446	1460	1454	135
15°	1407	1408	1421	1472	1478	399
25°	1392	1402	1511	1437	1360	645
35°	1400	1466	1038	706	615	883
45°	1514	883	458	529	545	1169
55°	1394	325	358	389	389	1207
65°	572	149	156	176	176	590
75°	118	98	120	121	118	142
85°	13	64	90	87	83	18
90°	0	49	75	69	64	1
95°	0	38	60	52	48	0
105°	0	23	39	36	34	0
115°	1	14	28	34	33	0
125°	1	7	18	22	20	1
135°	1	4	10	12	10	1
145°	1	2	5	6	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°	1409.8	1409.8	1409.8	1409.8	1409.8
2.5°	1417.8	1412.7	1412.7	1430.8	1430.8
5°	1420.0	1425.0	1446.1	1459.9	1454.1
7.5°	1418.5	1441.7	1436.6	1416.3	1403.3
10°	1415.6	1450.4	1402.6	1416.3	1414.9
12.5°	1412.0	1437.4	1401.1	1449.7	1446.8
15°	1406.9	1407.6	1420.7	1471.5	1478.0
17.5°	1402.6	1388.8	1441.7	1509.9	1528.8
20°	1398.2	1383.0	1464.2	1542.5	1534.6
22.5°	1396.0	1388.1	1497.6	1517.9	1473.6
25°	1392.4	1401.8	1510.6	1436.6	1360.5
27.5°	1389.5	1417.8	1470.7	1298.1	1216.9
30°	1390.2	1440.3	1384.4	1135.7	1033.4
32.5°	1392.4	1462.0	1234.3	918.1	812.2
35°	1399.7	1465.7	1037.8	705.6	615.0
37.5°	1415.6	1425.8	823.8	558.4	538.8
40°	1438.1	1305.4	625.1	521.4	541.0
42.5°	1474.4	1103.1	505.5	527.2	556.2
45°	1513.5	883.3	458.3	528.7	544.6
47.5°	1546.9	652.0	448.9	509.1	520.7
50°	1553.4	491.0	430.8	477.9	485.2
52.5°	1504.1	388.0	401.8	436.6	449.6
55°	1393.9	324.9	358.3	389.4	389.4
57.5°	1227.8	275.6	301.0	330.7	327.8
60°	999.3	227.0	240.0	258.2	253.8
62.5°	786.1	182.0	186.4	206.0	208.9
65°	571.5	148.7	155.9	175.5	175.5
67.5°	401.0	126.9	140.7	158.8	160.3
70°	273.4	114.6	134.2	148.7	149.4
72.5°	186.4	105.9	127.6	135.6	133.4
75°	118.2	97.9	120.4	121.1	118.2
77.5°	76.9	89.2	113.1	107.3	105.2
80°	47.1	80.5	103.7	96.5	92.8
82.5°	26.8	71.8	96.5	91.4	87.8
85°	13.1	63.8	89.9	87.0	82.7
87.5°	5.1	56.6	82.7	78.3	74.0
90°	0.0	49.3	74.7	68.9	63.8
92.5°	0.0	43.5	66.7	59.5	55.1
95°	0.0	38.4	59.5	52.2	47.9
97.5°	0.0	34.1	52.9	46.4	41.3
100°	0.0	30.5	47.9	41.3	37.7
102.5°	0.0	26.8	42.8	38.4	36.3
105°	0.0	23.2	39.2	36.3	34.1
107.5°	0.0	20.3	35.5	34.8	33.4
110°	0.0	18.1	33.4	34.1	34.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.0	30.5	34.8	35.5
115°	0.7	13.8	28.3	34.1	33.4
117.5°	0.7	11.6	25.4	30.5	29.0
120°	0.7	10.2	23.2	27.6	25.4
122.5°	0.7	8.7	20.3	23.9	22.5
125°	0.7	7.3	18.1	21.8	19.6
127.5°	0.7	6.5	16.0	18.9	17.4
130°	0.7	5.8	13.8	16.7	15.2
132.5°	0.7	4.4	12.3	14.5	12.3
135°	0.7	3.6	10.2	12.3	10.2
137.5°	0.7	2.9	8.7	10.2	8.7
140°	0.7	2.2	7.3	8.7	7.3
142.5°	0.7	2.2	5.8	8.0	5.8
145°	0.7	1.5	5.1	6.5	5.1
147.5°	0.7	1.5	4.4	5.8	4.4
150°	0.7	1.5	3.6	5.1	2.9
152.5°	0.7	0.7	2.9	4.4	2.2
155°	0.7	0.7	2.2	2.9	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)