

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-LD5-38SL-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-LD5-38SL-LN-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

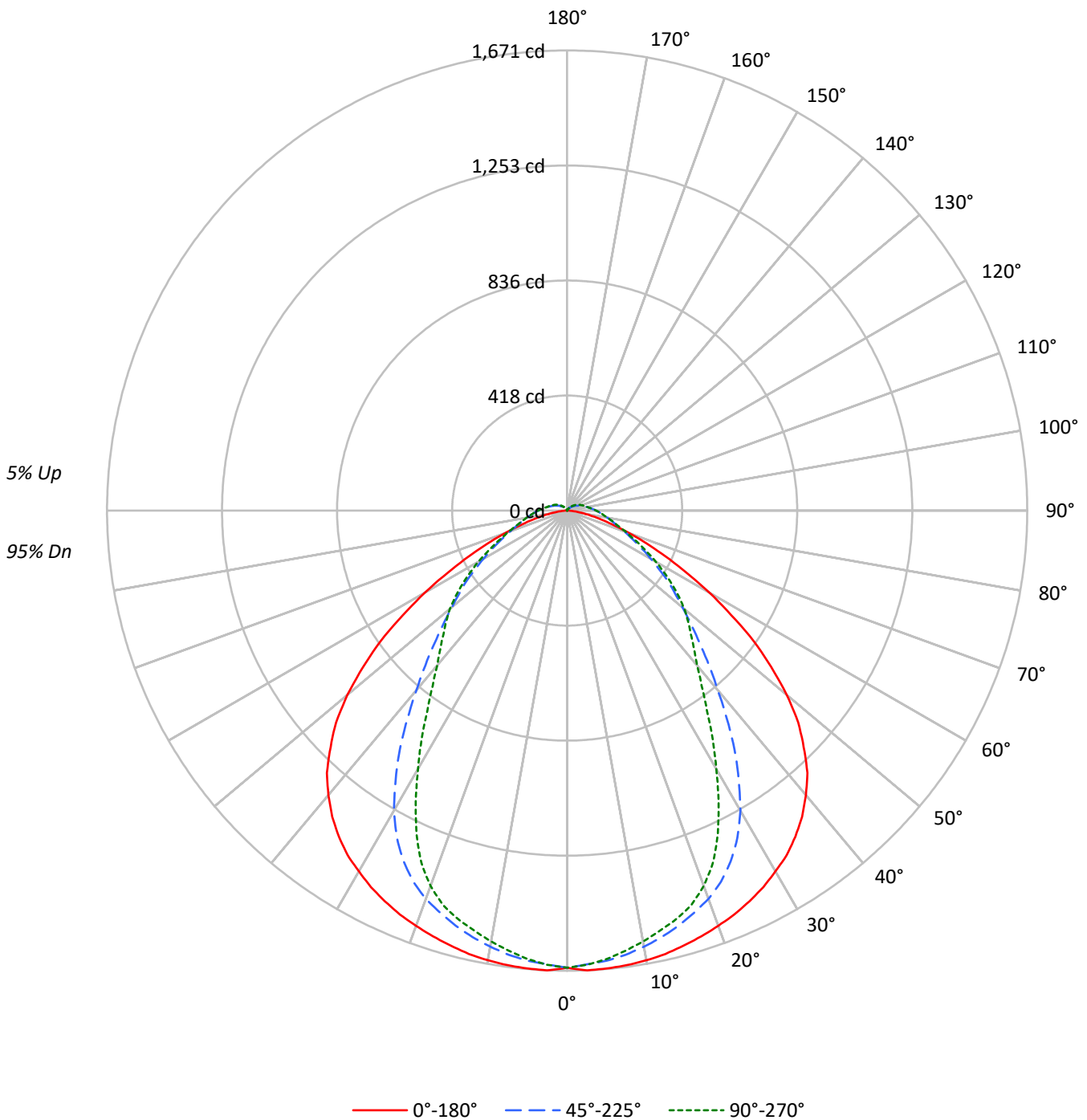
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3795.0 lumens
Efficiency: N/A
Efficacy: 141.6 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): 26.8
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	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°	19491	19491	19491
5°	19594	18526	18211
10°	19614	17607	16951
15°	19638	16718	15834
20°	19724	15846	14590
25°	19865	14747	12798
30°	19989	13220	10599
35°	20076	11237	8643
40°	19911	9166	7208
45°	19296	7506	6336
50°	18045	6232	5658
55°	15939	5321	4859
60°	12980	4413	4059
65°	9972	3695	3324
70°	7285	3165	2753
75°	5093	2797	2341
80°	3419	2592	2091
85°	1977	2471	1949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	4.1
10°-20°	444.2	11.7
20°-30°	648.9	17.1
30°-40°	693.1	18.3
40°-50°	610.8	16.1
50°-60°	463.8	12.2
60°-70°	295.7	7.8
70°-80°	176.3	4.6
80°-90°	110.8	2.9
90°-100°	73.3	1.9
100°-110°	49.8	1.3
110°-120°	33.5	0.9
120°-130°	20.7	0.5
130°-140°	11.0	0.3
140°-150°	4.7	0.1
150°-160°	1.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1249.5	32.9
0°-40°	1942.6	51.2
0°-60°	3017.2	79.5
0°-90°	3600.0	94.9
90°-120°	156.7	4.1
90°-150°	193.1	5.1
90°-180°	195.0	5.1
0°-180°	3795.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1660	1660	1660	1660	1660	
5°	1669	1657	1641	1646	1635	159
15°	1635	1604	1561	1550	1535	462
25°	1566	1496	1406	1338	1295	722
35°	1445	1288	1060	927	884	903
45°	1215	914	680	640	636	934
55°	829	519	447	462	463	734
65°	394	267	277	293	291	398
75°	131	135	178	186	180	146
85°	22	74	124	130	125	27
90°	1	55	105	110	105	2
95°	0	42	88	92	88	0
105°	0	26	61	67	64	0
115°	0	16	42	50	50	0
125°	1	11	28	36	35	1
135°	1	6	17	22	21	1
145°	1	2	9	12	11	1
155°	1	2	3	5	3	0
165°	1	2	2	0	0	0
175°	2	2	2	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°	1659.9	1659.9	1659.9	1659.9	1659.9
2.5°	1671.4	1661.5	1649.1	1657.4	1650.8
5°	1668.9	1656.6	1640.9	1645.8	1635.1
7.5°	1664.8	1649.1	1626.8	1625.2	1612.8
10°	1658.2	1637.6	1607.8	1602.1	1588.8
12.5°	1649.1	1623.5	1586.4	1577.3	1561.6
15°	1635.1	1604.5	1560.8	1550.0	1535.2
17.5°	1621.0	1583.1	1531.9	1518.6	1501.3
20°	1604.5	1558.3	1500.5	1472.4	1450.9
22.5°	1587.2	1530.2	1459.2	1412.1	1384.0
25°	1565.7	1495.5	1405.5	1337.8	1294.9
27.5°	1541.8	1459.2	1339.4	1242.0	1190.8
30°	1512.9	1410.5	1258.5	1136.3	1082.6
32.5°	1484.0	1357.6	1159.4	1032.2	983.5
35°	1445.1	1288.2	1060.3	927.4	884.4
37.5°	1401.4	1210.6	952.1	834.1	802.7
40°	1348.5	1119.8	850.6	756.4	733.3
42.5°	1291.6	1019.9	762.2	693.7	681.3
45°	1214.8	914.2	679.6	640.0	635.9
47.5°	1138.8	808.5	609.4	592.9	595.4
50°	1041.3	703.6	545.9	551.6	555.8
52.5°	934.0	607.0	493.8	506.2	509.5
55°	829.1	518.6	446.8	462.4	463.3
57.5°	706.9	441.0	395.6	419.5	417.0
60°	596.2	372.4	351.8	370.8	372.4
62.5°	487.2	316.3	313.0	329.5	328.7
65°	393.9	266.7	276.6	293.2	290.7
67.5°	313.0	223.0	246.1	260.1	254.3
70°	238.7	189.1	219.7	230.4	227.1
72.5°	179.2	160.2	196.5	206.4	200.7
75°	131.3	135.4	177.5	185.8	180.0
77.5°	94.1	116.4	162.7	167.6	163.5
80°	63.6	99.1	147.8	154.4	147.8
82.5°	40.5	85.1	135.4	141.2	135.4
85°	22.3	73.5	123.9	130.5	124.7
87.5°	9.9	63.6	114.0	119.7	114.8
90°	0.8	55.3	104.9	109.8	104.9
92.5°	0.0	47.9	95.8	101.6	96.6
95°	0.0	42.1	87.5	92.5	87.5
97.5°	0.0	37.2	80.1	85.1	80.9
100°	0.0	33.0	73.5	78.5	74.3
102.5°	0.0	28.9	66.9	72.7	69.4
105°	0.0	26.4	61.1	66.9	64.4
107.5°	0.0	23.1	56.2	62.8	61.1
110°	0.0	20.6	51.2	58.6	57.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.0	46.2	54.5	52.9
115°	0.0	16.5	42.1	50.4	49.5
117.5°	0.0	14.9	38.8	46.2	46.2
120°	0.8	13.2	35.5	42.9	42.1
122.5°	0.8	11.6	31.4	38.8	38.0
125°	0.8	10.7	28.1	35.5	34.7
127.5°	0.8	9.1	25.6	31.4	30.6
130°	0.8	8.3	22.3	28.1	27.3
132.5°	0.8	6.6	19.8	24.8	23.9
135°	0.8	5.8	17.3	21.5	20.6
137.5°	0.8	5.0	14.9	19.0	18.2
140°	0.8	4.1	13.2	16.5	15.7
142.5°	0.8	3.3	10.7	14.0	13.2
145°	0.8	2.5	9.1	11.6	10.7
147.5°	0.8	1.7	7.4	9.9	9.1
150°	0.8	1.7	5.8	8.3	7.4
152.5°	0.8	1.7	5.0	6.6	5.0
155°	0.8	1.7	3.3	5.0	3.3
157.5°	0.8	1.7	2.5	3.3	2.5
160°	0.8	1.7	2.5	2.5	0.8
162.5°	0.8	1.7	1.7	0.8	0.0
165°	0.8	1.7	1.7	0.0	0.0
167.5°	0.8	1.7	1.7	0.0	0.0
170°	0.8	1.7	1.7	0.0	0.0
172.5°	0.8	1.7	1.7	0.0	0.0
175°	1.7	1.7	1.7	0.0	0.0
177.5°	0.8	1.7	0.8	0.0	0.0
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)