

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-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-LD5-38SL-LC-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

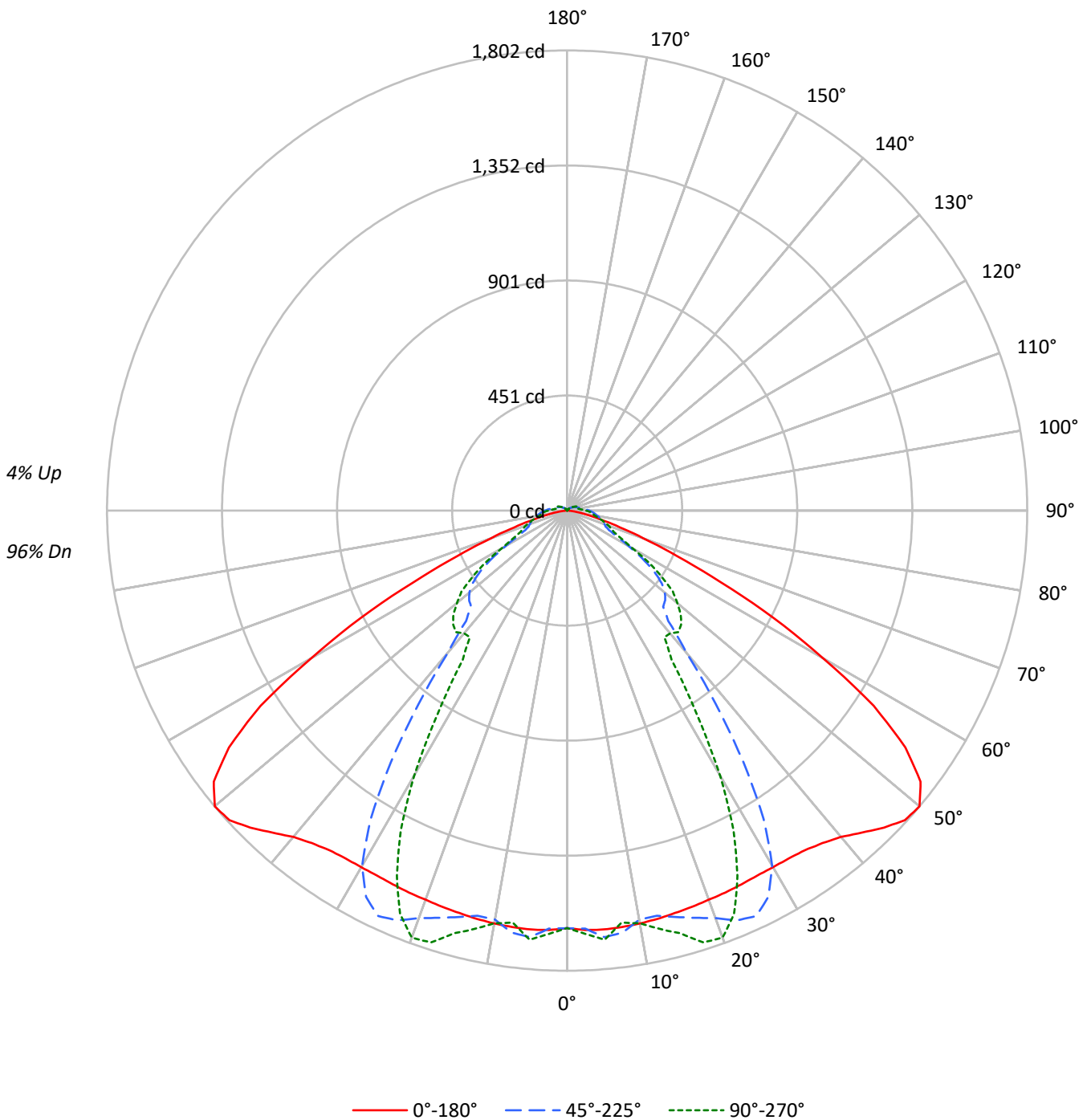
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3943.0 lumens
Efficiency: N/A
Efficacy: 147.1 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): 26.8
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°	19199	19199	19199
5°	19333	18933	18781
10°	19419	17813	17507
15°	19596	17648	17679
20°	19933	17932	17896
25°	20488	18382	15595
30°	21302	16866	11734
35°	22551	12755	6970
40°	24626	7812	6167
45°	27880	5870	6293
50°	31219	5704	5728
55°	31076	4948	4736
60°	25230	3492	3209
65°	16778	2415	2327
70°	9678	2241	2101
75°	5318	2200	1783
80°	2941	2110	1523
85°	1339	2080	1499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.1	4.0
10°-20°	474.0	12.0
20°-30°	754.4	19.1
30°-40°	768.9	19.5
40°-50°	649.4	16.5
50°-60°	500.6	12.7
60°-70°	258.6	6.6
70°-80°	142.9	3.6
80°-90°	90.9	2.3
90°-100°	56.0	1.4
100°-110°	36.1	0.9
110°-120°	26.2	0.7
120°-130°	15.1	0.4
130°-140°	7.3	0.2
140°-150°	3.1	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1386.5	35.2
0°-40°	2155.4	54.7
0°-60°	3305.4	83.8
0°-90°	3797.7	96.3
90°-120°	118.2	3.0
90°-150°	143.7	3.6
90°-180°	145.0	3.7
0°-180°	3943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1635	1635	1635	1635	1635	
5°	1647	1653	1677	1693	1686	157
15°	1632	1632	1648	1706	1714	462
25°	1615	1626	1752	1666	1578	748
35°	1623	1700	1204	818	713	1025
45°	1755	1024	532	613	632	1356
55°	1616	377	416	452	452	1400
65°	663	172	181	204	204	684
75°	137	114	140	140	137	165
85°	15	74	104	101	96	21
90°	0	57	87	80	74	1
95°	0	45	69	61	56	0
105°	0	27	45	42	40	0
115°	1	16	33	40	39	0
125°	1	8	21	25	23	1
135°	1	4	12	14	12	1
145°	1	2	6	8	6	1
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	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1644.2	1638.3	1638.3	1659.4	1659.4
5°	1646.7	1652.6	1677.0	1693.0	1686.3
7.5°	1645.1	1672.0	1666.1	1642.5	1627.4
10°	1641.7	1682.1	1626.6	1642.5	1640.9
12.5°	1637.5	1666.9	1624.9	1681.2	1677.9
15°	1631.6	1632.4	1647.6	1706.5	1714.0
17.5°	1626.6	1610.6	1672.0	1751.0	1772.9
20°	1621.5	1603.9	1698.0	1788.9	1779.6
22.5°	1619.0	1609.7	1736.7	1760.3	1709.0
25°	1614.8	1625.7	1751.9	1666.1	1577.8
27.5°	1611.4	1644.2	1705.6	1505.5	1411.3
30°	1612.3	1670.3	1605.5	1317.1	1198.5
32.5°	1614.8	1695.5	1431.4	1064.7	942.0
35°	1623.2	1699.7	1203.5	818.3	713.2
37.5°	1641.7	1653.5	955.4	647.6	624.9
40°	1667.8	1513.9	725.0	604.7	627.4
42.5°	1709.8	1279.2	586.2	611.4	645.1
45°	1755.2	1024.4	531.5	613.1	631.6
47.5°	1793.9	756.1	520.6	590.4	603.9
50°	1801.5	569.4	499.6	554.2	562.7
52.5°	1744.3	450.0	465.9	506.3	521.4
55°	1616.5	376.8	415.5	451.6	451.6
57.5°	1423.9	319.6	349.0	383.5	380.1
60°	1158.9	263.2	278.4	299.4	294.4
62.5°	911.7	211.1	216.1	238.9	242.2
65°	662.7	172.4	180.8	203.5	203.5
67.5°	465.1	147.2	163.2	184.2	185.9
70°	317.1	132.9	155.6	172.4	173.3
72.5°	216.1	122.8	148.0	157.3	154.8
75°	137.1	113.5	139.6	140.5	137.1
77.5°	89.1	103.4	131.2	124.5	122.0
80°	54.7	93.4	120.3	111.9	107.7
82.5°	31.1	83.3	111.9	106.0	101.8
85°	15.1	74.0	104.3	100.9	95.9
87.5°	5.9	65.6	95.9	90.8	85.8
90°	0.0	57.2	86.6	79.9	74.0
92.5°	0.0	50.5	77.4	69.0	63.9
95°	0.0	44.6	69.0	60.6	55.5
97.5°	0.0	39.5	61.4	53.8	47.9
100°	0.0	35.3	55.5	47.9	43.7
102.5°	0.0	31.1	49.6	44.6	42.1
105°	0.0	26.9	45.4	42.1	39.5
107.5°	0.0	23.5	41.2	40.4	38.7
110°	0.0	21.0	38.7	39.5	40.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.5	35.3	40.4	41.2
115°	0.8	16.0	32.8	39.5	38.7
117.5°	0.8	13.5	29.4	35.3	33.6
120°	0.8	11.8	26.9	32.0	29.4
122.5°	0.8	10.1	23.5	27.8	26.1
125°	0.8	8.4	21.0	25.2	22.7
127.5°	0.8	7.6	18.5	21.9	20.2
130°	0.8	6.7	16.0	19.3	17.7
132.5°	0.8	5.0	14.3	16.8	14.3
135°	0.8	4.2	11.8	14.3	11.8
137.5°	0.8	3.4	10.1	11.8	10.1
140°	0.8	2.5	8.4	10.1	8.4
142.5°	0.8	2.5	6.7	9.3	6.7
145°	0.8	1.7	5.9	7.6	5.9
147.5°	0.8	1.7	5.0	6.7	5.0
150°	0.8	1.7	4.2	5.9	3.4
152.5°	0.8	0.8	3.4	5.0	2.5
155°	0.8	0.8	2.5	3.4	1.7
157.5°	0.8	0.8	2.5	2.5	1.7
160°	0.8	0.8	2.5	2.5	0.8
162.5°	0.8	0.8	1.7	1.7	0.0
165°	0.8	1.7	1.7	1.7	0.0
167.5°	0.8	1.7	1.7	1.7	0.0
170°	0.8	1.7	1.7	1.7	0.0
172.5°	0.8	1.7	1.7	1.7	0.0
175°	1.7	1.7	1.7	1.7	0.0
177.5°	1.7	1.7	1.7	1.7	0.0
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)