

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

Light Source: -
Ballast/Driver: -

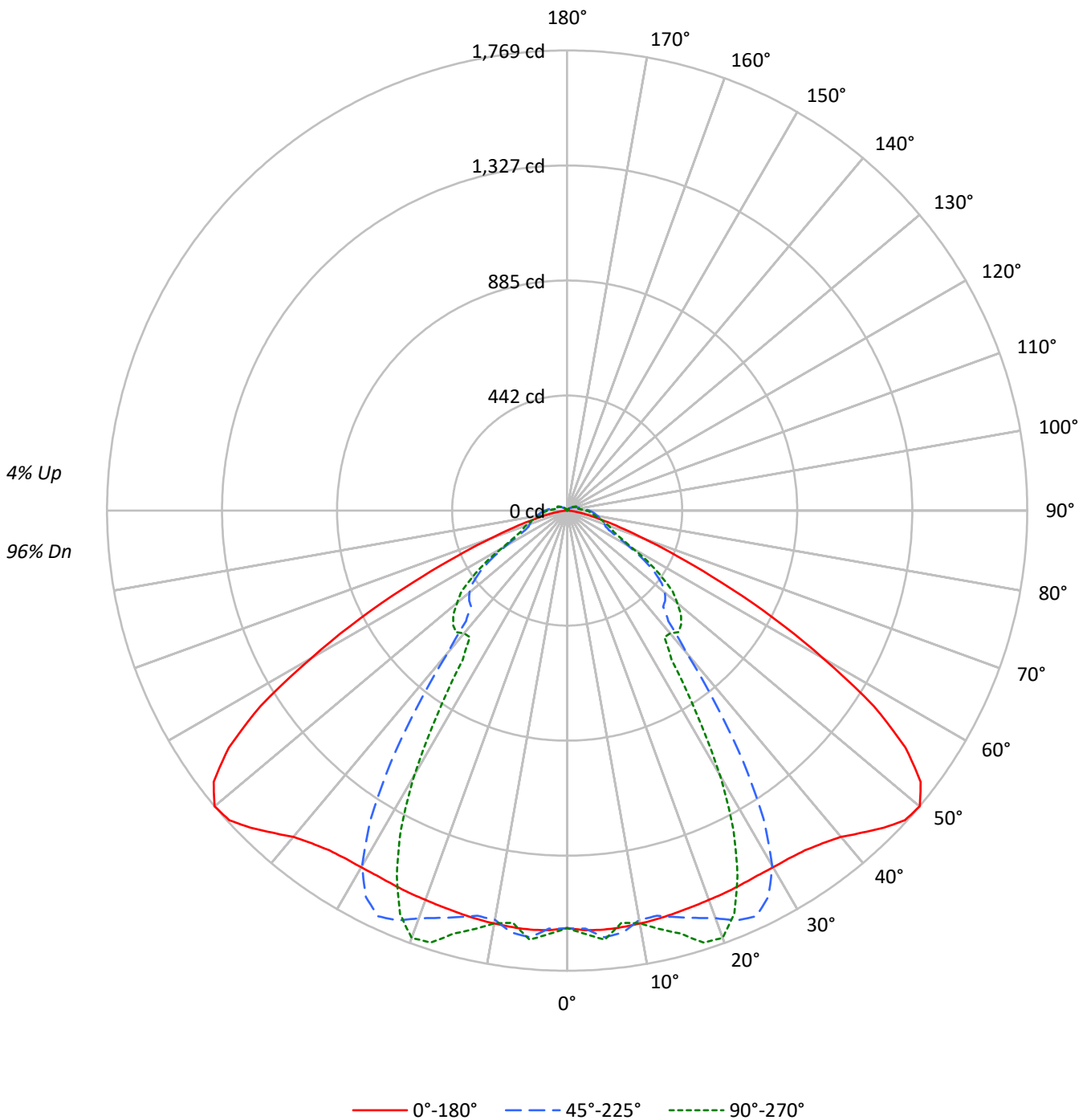
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3872.0 lumens
Efficiency: N/A
Efficacy: 144.5 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	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°	18852	18852	18852
5°	18986	18592	18443
10°	19069	17492	17192
15°	19243	17330	17361
20°	19574	17610	17574
25°	20118	18050	15314
30°	20918	16562	11522
35°	22145	12525	6845
40°	24181	7671	6056
45°	27378	5765	6179
50°	30657	5601	5624
55°	30517	4859	4651
60°	24777	3430	3151
65°	16476	2373	2286
70°	9504	2201	2062
75°	5221	2160	1751
80°	2887	2071	1495
85°	1321	2042	1472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.2	4.0
10°-20°	465.5	12.0
20°-30°	740.8	19.1
30°-40°	755.0	19.5
40°-50°	637.7	16.5
50°-60°	491.5	12.7
60°-70°	253.9	6.6
70°-80°	140.3	3.6
80°-90°	89.3	2.3
90°-100°	55.0	1.4
100°-110°	35.4	0.9
110°-120°	25.7	0.7
120°-130°	14.8	0.4
130°-140°	7.2	0.2
140°-150°	3.0	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1361.6	35.2
0°-40°	2116.6	54.7
0°-60°	3245.8	83.8
0°-90°	3729.4	96.3
90°-120°	116.1	3.0
90°-150°	141.1	3.6
90°-180°	143.0	3.7
0°-180°	3872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1617	1623	1647	1662	1656	154
15°	1602	1603	1618	1676	1683	454
25°	1586	1596	1720	1636	1549	734
35°	1594	1669	1182	804	700	1006
45°	1724	1006	522	602	620	1331
55°	1587	370	408	444	444	1374
65°	651	169	178	200	200	671
75°	135	112	137	138	135	162
85°	15	73	102	99	94	20
90°	0	56	85	78	73	1
95°	0	44	68	60	54	0
105°	0	26	45	41	39	0
115°	1	16	32	39	38	0
125°	1	8	21	25	22	1
135°	1	4	12	14	12	1
145°	1	2	6	7	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1605.5	1605.5	1605.5	1605.5	1605.5
2.5°	1614.6	1608.8	1608.8	1629.5	1629.5
5°	1617.1	1622.9	1646.8	1662.5	1655.9
7.5°	1615.4	1641.9	1636.1	1613.0	1598.1
10°	1612.1	1651.8	1597.3	1613.0	1611.3
12.5°	1608.0	1636.9	1595.6	1651.0	1647.7
15°	1602.2	1603.1	1617.9	1675.7	1683.2
17.5°	1597.3	1581.6	1641.9	1719.5	1741.0
20°	1592.3	1575.0	1667.5	1756.7	1747.6
22.5°	1589.8	1580.8	1705.5	1728.6	1678.2
25°	1585.7	1596.4	1720.3	1636.1	1549.4
27.5°	1582.4	1614.6	1674.9	1478.3	1385.8
30°	1583.2	1640.2	1576.6	1293.3	1176.9
32.5°	1585.7	1665.0	1405.7	1045.6	925.0
35°	1594.0	1669.1	1181.8	803.6	700.4
37.5°	1612.1	1623.7	938.2	635.9	613.6
40°	1637.7	1486.6	711.9	593.8	616.1
42.5°	1679.0	1256.2	575.6	600.4	633.5
45°	1723.6	1005.9	522.0	602.1	620.2
47.5°	1761.6	742.5	511.2	579.8	593.0
50°	1769.1	559.1	490.6	544.3	552.5
52.5°	1712.9	441.9	457.5	497.2	512.1
55°	1587.4	370.0	408.0	443.5	443.5
57.5°	1398.2	313.8	342.7	376.6	373.3
60°	1138.1	258.5	273.4	294.0	289.1
62.5°	895.3	207.3	212.3	234.6	237.9
65°	650.8	169.3	177.6	199.9	199.9
67.5°	456.7	144.5	160.2	180.9	182.5
70°	311.4	130.5	152.8	169.3	170.1
72.5°	212.3	120.6	145.4	154.4	152.0
75°	134.6	111.5	137.1	137.9	134.6
77.5°	87.5	101.6	128.8	122.2	119.8
80°	53.7	91.7	118.1	109.8	105.7
82.5°	30.6	81.8	109.8	104.1	99.9
85°	14.9	72.7	102.4	99.1	94.2
87.5°	5.8	64.4	94.2	89.2	84.2
90°	0.0	56.2	85.1	78.5	72.7
92.5°	0.0	49.6	76.0	67.7	62.8
95°	0.0	43.8	67.7	59.5	54.5
97.5°	0.0	38.8	60.3	52.9	47.1
100°	0.0	34.7	54.5	47.1	42.9
102.5°	0.0	30.6	48.7	43.8	41.3
105°	0.0	26.4	44.6	41.3	38.8
107.5°	0.0	23.1	40.5	39.6	38.0
110°	0.0	20.6	38.0	38.8	39.6



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.2	34.7	39.6	40.5
115°	0.8	15.7	32.2	38.8	38.0
117.5°	0.8	13.2	28.9	34.7	33.0
120°	0.8	11.6	26.4	31.4	28.9
122.5°	0.8	9.9	23.1	27.3	25.6
125°	0.8	8.3	20.6	24.8	22.3
127.5°	0.8	7.4	18.2	21.5	19.8
130°	0.8	6.6	15.7	19.0	17.3
132.5°	0.8	5.0	14.0	16.5	14.0
135°	0.8	4.1	11.6	14.0	11.6
137.5°	0.8	3.3	9.9	11.6	9.9
140°	0.8	2.5	8.3	9.9	8.3
142.5°	0.8	2.5	6.6	9.1	6.6
145°	0.8	1.7	5.8	7.4	5.8
147.5°	0.8	1.7	5.0	6.6	5.0
150°	0.8	1.7	4.1	5.8	3.3
152.5°	0.8	0.8	3.3	5.0	2.5
155°	0.8	0.8	2.5	3.3	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)