

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-L850-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-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

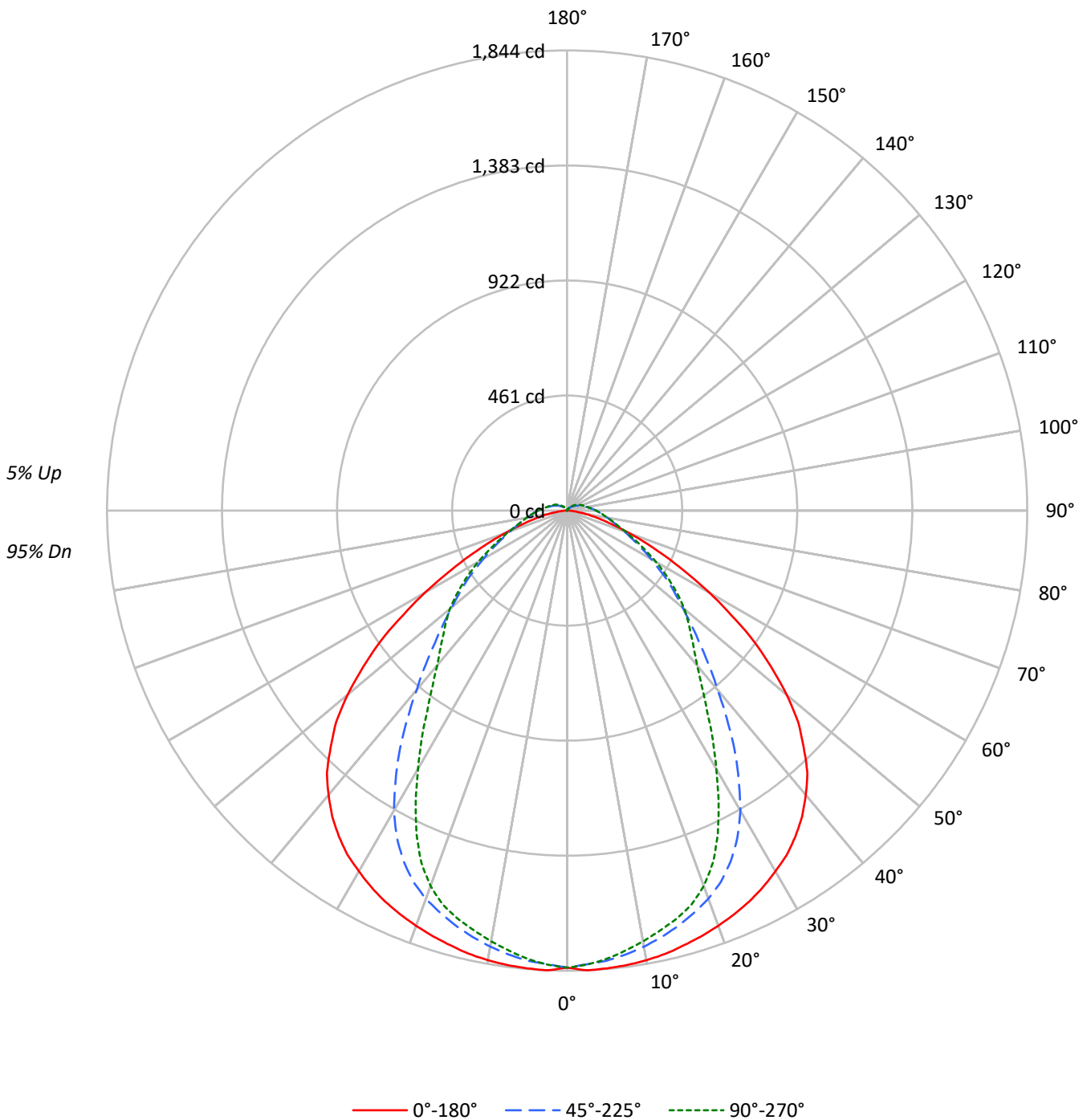
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4187.0 lumens
Efficiency: N/A
Efficacy: 156.2 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 (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	114	114	114	114	108	108	108	103	103	103	97	97	97	95				95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80				80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69				69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59				59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52				52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46				46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41				41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37				37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33				33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30				30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21504	21504	21504
5°	21618	20439	20092
10°	21641	19426	18703
15°	21667	18445	17469
20°	21762	17483	16098
25°	21916	16271	14120
30°	22053	14586	11695
35°	22151	12399	9536
40°	21968	10112	7953
45°	21288	8281	6990
50°	19910	6875	6242
55°	17584	5870	5360
60°	14321	4868	4479
65°	11003	4077	3667
70°	8036	3492	3038
75°	5621	3087	2583
80°	3774	2860	2307
85°	2181	2726	2151



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.5	4.1
10°-20°	490.0	11.7
20°-30°	716.0	17.1
30°-40°	764.7	18.3
40°-50°	673.9	16.1
50°-60°	511.7	12.2
60°-70°	326.2	7.8
70°-80°	194.6	4.6
80°-90°	122.2	2.9
90°-100°	80.9	1.9
100°-110°	55.0	1.3
110°-120°	37.0	0.9
120°-130°	22.9	0.5
130°-140°	12.1	0.3
140°-150°	5.2	0.1
150°-160°	1.7	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1378.5	32.9
0°-40°	2143.2	51.2
0°-60°	3328.8	79.5
0°-90°	3971.9	94.9
90°-120°	172.9	4.1
90°-150°	213.0	5.1
90°-180°	215.0	5.1
0°-180°	4187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1831	1831	1831	1831	1831	
5°	1841	1828	1810	1816	1804	175
15°	1804	1770	1722	1710	1694	510
25°	1727	1650	1551	1476	1429	797
35°	1594	1421	1170	1023	976	996
45°	1340	1009	750	706	702	1030
55°	915	572	493	510	511	810
65°	435	294	305	323	321	439
75°	145	149	196	205	199	161
85°	25	81	137	144	138	30
90°	1	61	116	121	116	2
95°	0	46	97	102	97	0
105°	0	29	67	74	71	0
115°	0	18	46	56	55	0
125°	1	12	31	39	38	1
135°	1	6	19	24	23	1
145°	1	3	10	13	12	1
155°	1	2	4	6	4	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°	1831.3	1831.3	1831.3	1831.3	1831.3
2.5°	1844.1	1833.1	1819.5	1828.6	1821.3
5°	1841.3	1827.7	1810.4	1815.8	1804.0
7.5°	1836.8	1819.5	1794.9	1793.0	1779.4
10°	1829.5	1806.7	1773.9	1767.5	1753.0
12.5°	1819.5	1791.2	1750.2	1740.2	1722.9
15°	1804.0	1770.3	1722.0	1710.1	1693.7
17.5°	1788.5	1746.6	1690.1	1675.5	1656.4
20°	1770.3	1719.2	1655.5	1624.5	1600.8
22.5°	1751.1	1688.3	1609.9	1558.0	1527.0
25°	1727.4	1650.0	1550.7	1476.0	1428.6
27.5°	1701.0	1609.9	1477.8	1370.3	1313.8
30°	1669.1	1556.2	1388.5	1253.7	1194.5
32.5°	1637.2	1497.8	1279.2	1138.9	1085.1
35°	1594.4	1421.3	1169.9	1023.2	975.8
37.5°	1546.1	1335.7	1050.5	920.2	885.6
40°	1487.8	1235.5	938.4	834.6	809.1
42.5°	1425.0	1125.2	840.9	765.3	751.7
45°	1340.2	1008.6	749.8	706.1	701.5
47.5°	1256.4	892.0	672.4	654.2	656.9
50°	1148.9	776.3	602.2	608.6	613.2
52.5°	1030.5	669.7	544.8	558.5	562.1
55°	914.7	572.2	492.9	510.2	511.1
57.5°	779.9	486.5	436.4	462.8	460.1
60°	657.8	410.9	388.1	409.1	410.9
62.5°	537.5	349.0	345.3	363.5	362.6
65°	434.6	294.3	305.2	323.4	320.7
67.5°	345.3	246.0	271.5	287.0	280.6
70°	263.3	208.6	242.4	254.2	250.6
72.5°	197.7	176.8	216.8	227.8	221.4
75°	144.9	149.4	195.9	205.0	198.6
77.5°	103.9	128.5	179.5	185.0	180.4
80°	70.2	109.3	163.1	170.4	163.1
82.5°	44.6	93.8	149.4	155.8	149.4
85°	24.6	81.1	136.7	144.0	137.6
87.5°	10.9	70.2	125.7	132.1	126.6
90°	0.9	61.0	115.7	121.2	115.7
92.5°	0.0	52.8	105.7	112.1	106.6
95°	0.0	46.5	96.6	102.0	96.6
97.5°	0.0	41.0	88.4	93.8	89.3
100°	0.0	36.4	81.1	86.6	82.0
102.5°	0.0	31.9	73.8	80.2	76.5
105°	0.0	29.2	67.4	73.8	71.1
107.5°	0.0	25.5	62.0	69.2	67.4
110°	0.0	22.8	56.5	64.7	62.9



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.0	51.0	60.1	58.3
115°	0.0	18.2	46.5	55.6	54.7
117.5°	0.0	16.4	42.8	51.0	51.0
120°	0.9	14.6	39.2	47.4	46.5
122.5°	0.9	12.8	34.6	42.8	41.9
125°	0.9	11.8	31.0	39.2	38.3
127.5°	0.9	10.0	28.2	34.6	33.7
130°	0.9	9.1	24.6	31.0	30.1
132.5°	0.9	7.3	21.9	27.3	26.4
135°	0.9	6.4	19.1	23.7	22.8
137.5°	0.9	5.5	16.4	21.0	20.0
140°	0.9	4.6	14.6	18.2	17.3
142.5°	0.9	3.6	11.8	15.5	14.6
145°	0.9	2.7	10.0	12.8	11.8
147.5°	0.9	1.8	8.2	10.9	10.0
150°	0.9	1.8	6.4	9.1	8.2
152.5°	0.9	1.8	5.5	7.3	5.5
155°	0.9	1.8	3.6	5.5	3.6
157.5°	0.9	1.8	2.7	3.6	2.7
160°	0.9	1.8	2.7	2.7	0.9
162.5°	0.9	1.8	1.8	0.9	0.0
165°	0.9	1.8	1.8	0.0	0.0
167.5°	0.9	1.8	1.8	0.0	0.0
170°	0.9	1.8	1.8	0.0	0.0
172.5°	0.9	1.8	1.8	0.0	0.0
175°	1.8	1.8	1.8	0.0	0.0
177.5°	0.9	1.8	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)