

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: **8SRL-LD5-94SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-94SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

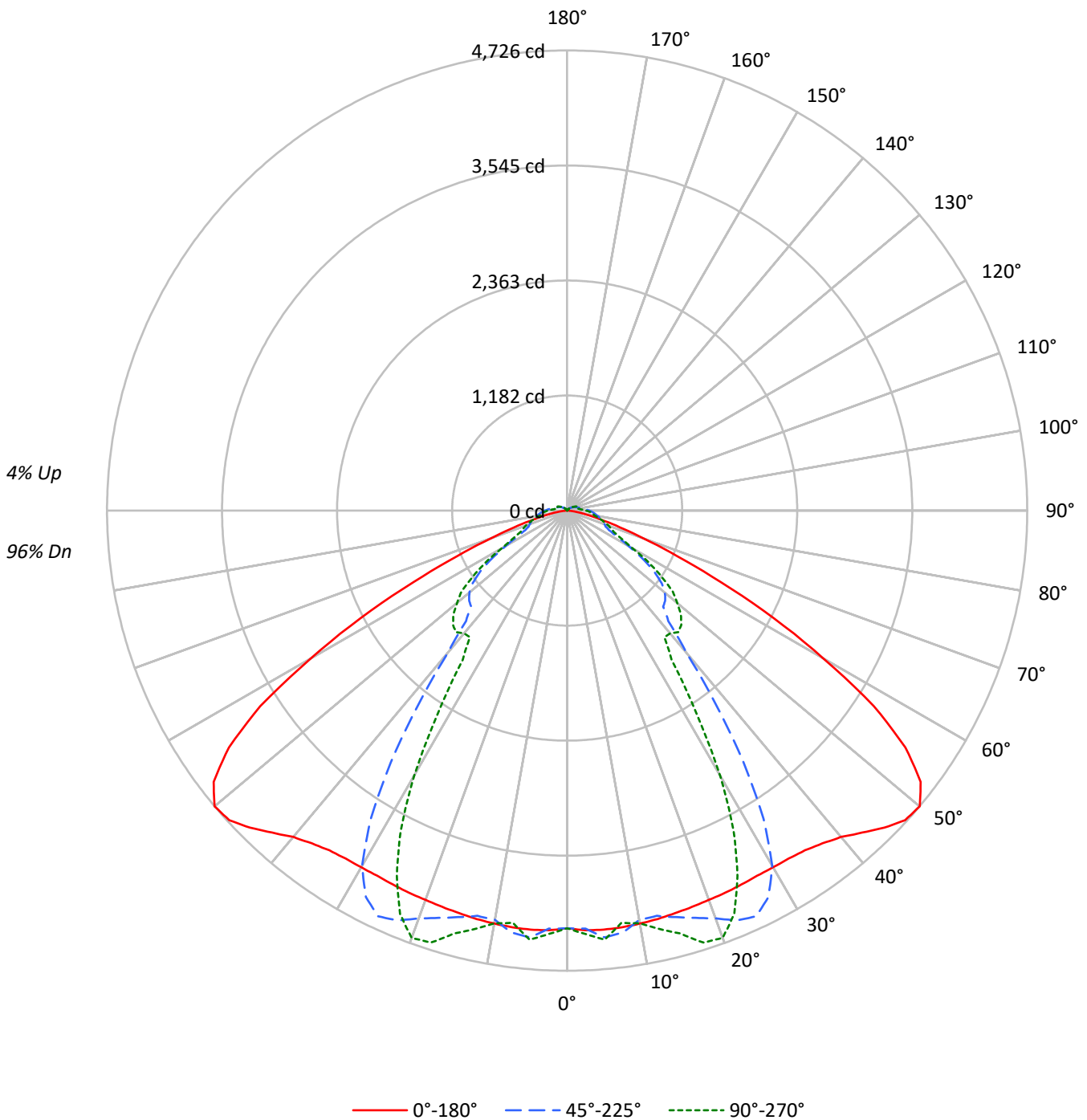
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10345.0 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Direct

Input Watts (W): 67.4
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	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°	25185	25185	25185
5°	25413	24871	24638
10°	25576	23428	22966
15°	25862	23239	23191
20°	26363	23641	23476
25°	27158	24261	20457
30°	28306	22285	15393
35°	30046	16873	9143
40°	32908	10346	8090
45°	37387	7785	8255
50°	42033	7573	7514
55°	42047	6578	6213
60°	34353	4650	4209
65°	23034	3222	3053
70°	13441	2995	2756
75°	7522	2947	2339
80°	4295	2834	1997
85°	2123	2804	1965



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.7	4.0
10°-20°	1243.7	12.0
20°-30°	1979.4	19.1
30°-40°	2017.3	19.5
40°-50°	1703.8	16.5
50°-60°	1313.3	12.7
60°-70°	678.4	6.6
70°-80°	374.9	3.6
80°-90°	238.6	2.3
90°-100°	146.8	1.4
100°-110°	94.6	0.9
110°-120°	68.7	0.7
120°-130°	39.7	0.4
130°-140°	19.2	0.2
140°-150°	8.0	0.1
150°-160°	2.8	0.0
160°-170°	1.0	0.0
170°-180°	0.3	0.0
0°-30°	3637.8	35.2
0°-40°	5655.0	54.7
0°-60°	8672.1	83.8
0°-90°	9963.9	96.3
90°-120°	310.1	3.0
90°-150°	376.9	3.6
90°-180°	381.0	3.7
0°-180°	10345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4290	4290	4290	4290	4290	
5°	4320	4336	4400	4442	4424	412
15°	4281	4283	4323	4477	4497	1213
25°	4237	4265	4596	4371	4140	1961
35°	4259	4460	3158	2147	1871	2688
45°	4605	2688	1395	1609	1657	3557
55°	4241	988	1090	1185	1185	3672
65°	1739	452	474	534	534	1794
75°	360	298	366	368	360	433
85°	40	194	274	265	252	55
90°	0	150	227	210	194	2
95°	0	117	181	159	146	0
105°	0	71	119	110	104	0
115°	2	42	86	104	102	1
125°	2	22	55	66	60	2
135°	2	11	31	38	31	2
145°	2	4	15	20	15	1
155°	2	2	7	9	4	1
165°	2	4	4	4	0	1
175°	4	4	4	4	0	0
180°	2	2	2	2	2	



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-94SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4289.6	4289.6	4289.6	4289.6	4289.6
2.5°	4313.8	4298.4	4298.4	4353.6	4353.6
5°	4320.5	4335.9	4399.9	4441.8	4424.2
7.5°	4316.0	4386.7	4371.2	4309.4	4269.7
10°	4307.2	4413.1	4267.5	4309.4	4305.0
12.5°	4296.2	4373.4	4263.1	4410.9	4402.1
15°	4280.7	4283.0	4322.7	4477.1	4497.0
17.5°	4267.5	4225.6	4386.7	4594.1	4651.4
20°	4254.3	4207.9	4455.1	4693.4	4669.1
22.5°	4247.6	4223.4	4556.6	4618.3	4483.7
25°	4236.6	4265.3	4596.3	4371.2	4139.5
27.5°	4227.8	4313.8	4474.9	3949.8	3702.6
30°	4230.0	4382.2	4212.3	3455.5	3144.4
32.5°	4236.6	4448.4	3755.6	2793.5	2471.4
35°	4258.7	4459.5	3157.6	2147.0	1871.2
37.5°	4307.2	4338.1	2506.7	1699.1	1639.5
40°	4375.6	3971.8	1902.1	1586.5	1646.1
42.5°	4486.0	3356.2	1538.0	1604.2	1692.4
45°	4605.1	2687.6	1394.6	1608.6	1657.1
47.5°	4706.6	1983.7	1365.9	1549.0	1584.3
50°	4726.5	1493.8	1310.7	1454.1	1476.2
52.5°	4576.4	1180.5	1222.4	1328.4	1368.1
55°	4241.0	988.5	1090.0	1184.9	1184.9
57.5°	3735.7	838.5	915.7	1006.2	997.4
60°	3040.7	690.7	730.4	785.5	772.3
62.5°	2391.9	553.8	567.1	626.7	635.5
65°	1738.8	452.3	474.4	534.0	534.0
67.5°	1220.2	386.1	428.1	483.2	487.7
70°	831.9	348.6	408.2	452.3	454.6
72.5°	567.1	322.2	388.4	412.6	406.0
75°	359.7	297.9	366.3	368.5	359.7
77.5°	233.9	271.4	344.2	326.6	320.0
80°	143.4	244.9	315.5	293.5	282.4
82.5°	81.6	218.5	293.5	278.0	267.0
85°	39.7	194.2	273.6	264.8	251.5
87.5°	15.4	172.1	251.5	238.3	225.1
90°	0.0	150.0	227.3	209.6	194.2
92.5°	0.0	132.4	203.0	180.9	167.7
95°	0.0	116.9	180.9	158.9	145.6
97.5°	0.0	103.7	161.1	141.2	125.8
100°	0.0	92.7	145.6	125.8	114.7
102.5°	0.0	81.6	130.2	116.9	110.3
105°	0.0	70.6	119.2	110.3	103.7
107.5°	0.0	61.8	108.1	105.9	101.5
110°	0.0	55.2	101.5	103.7	105.9



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-94SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.5	92.7	105.9	108.1
115°	2.2	41.9	86.1	103.7	101.5
117.5°	2.2	35.3	77.2	92.7	88.3
120°	2.2	30.9	70.6	83.8	77.2
122.5°	2.2	26.5	61.8	72.8	68.4
125°	2.2	22.1	55.2	66.2	59.6
127.5°	2.2	19.9	48.5	57.4	53.0
130°	2.2	17.7	41.9	50.8	46.3
132.5°	2.2	13.2	37.5	44.1	37.5
135°	2.2	11.0	30.9	37.5	30.9
137.5°	2.2	8.8	26.5	30.9	26.5
140°	2.2	6.6	22.1	26.5	22.1
142.5°	2.2	6.6	17.7	24.3	17.7
145°	2.2	4.4	15.4	19.9	15.4
147.5°	2.2	4.4	13.2	17.7	13.2
150°	2.2	4.4	11.0	15.4	8.8
152.5°	2.2	2.2	8.8	13.2	6.6
155°	2.2	2.2	6.6	8.8	4.4
157.5°	2.2	2.2	6.6	6.6	4.4
160°	2.2	2.2	6.6	6.6	2.2
162.5°	2.2	2.2	4.4	4.4	0.0
165°	2.2	4.4	4.4	4.4	0.0
167.5°	2.2	4.4	4.4	4.4	0.0
170°	2.2	4.4	4.4	4.4	0.0
172.5°	2.2	4.4	4.4	4.4	0.0
175°	4.4	4.4	4.4	4.4	0.0
177.5°	4.4	4.4	4.4	4.4	0.0
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)