

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-LD5-96SL-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: 8SRL-LD5-96SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

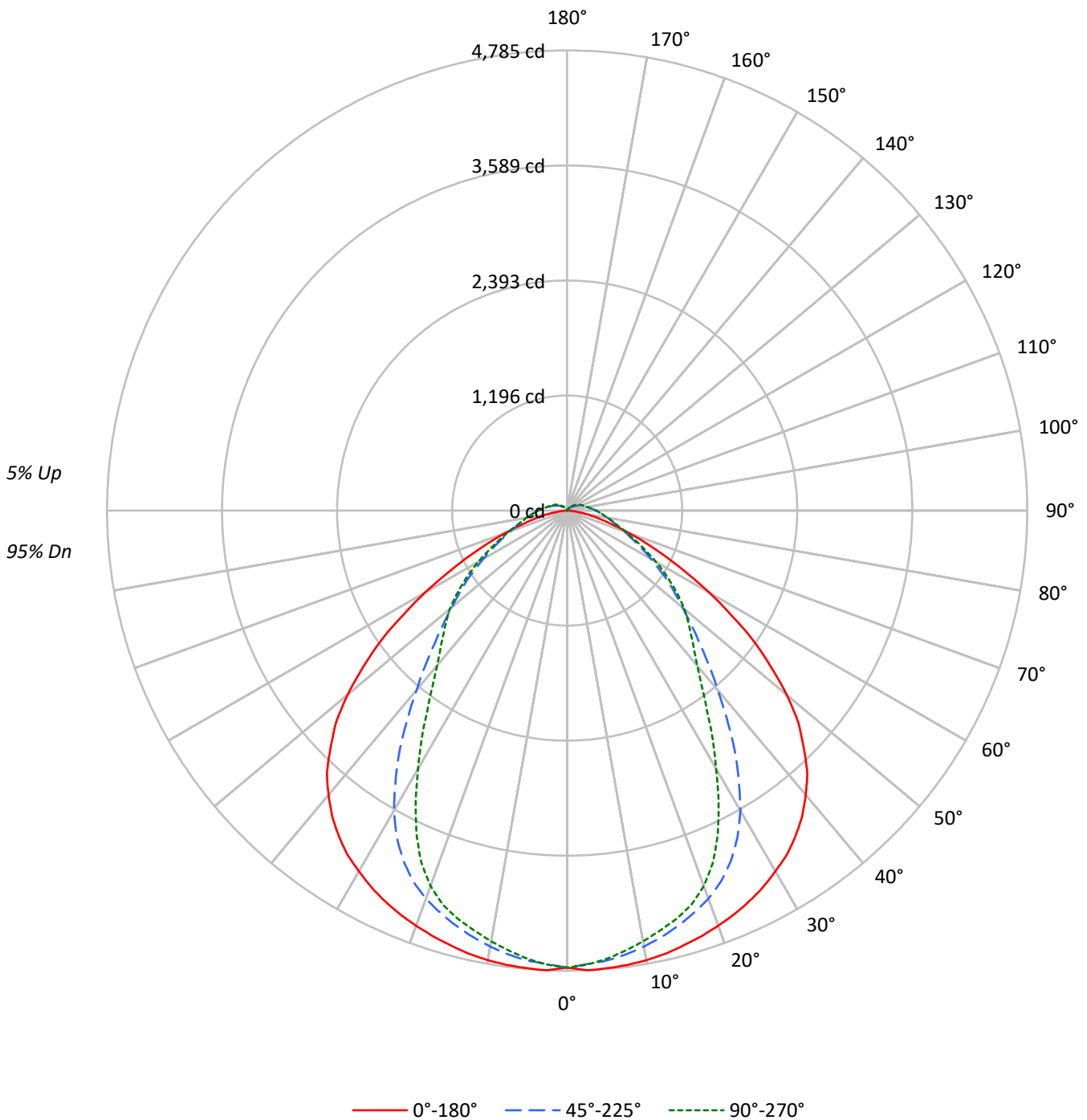
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10864.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Direct

Input Watts (W): 73.4
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	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°	27898	27898	27898
5°	28102	26552	26067
10°	28188	25269	24264
15°	28279	24020	22664
20°	28464	22794	20884
25°	28732	21238	18318
30°	28981	19061	15171
35°	29187	16220	12372
40°	29034	13244	10318
45°	28233	10860	9068
50°	26510	9028	8098
55°	23532	7718	6954
60°	19283	6412	5810
65°	14937	5379	4758
70°	11039	4614	3941
75°	7860	4090	3352
80°	5451	3801	2993
85°	3412	3635	2790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.7	4.1
10°-20°	1271.5	11.7
20°-30°	1857.7	17.1
30°-40°	1984.1	18.3
40°-50°	1748.5	16.1
50°-60°	1327.7	12.2
60°-70°	846.4	7.8
70°-80°	504.9	4.6
80°-90°	317.2	2.9
90°-100°	209.9	1.9
100°-110°	142.7	1.3
110°-120°	95.9	0.9
120°-130°	59.3	0.5
130°-140°	31.4	0.3
140°-150°	13.6	0.1
150°-160°	4.3	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	3576.9	32.9
0°-40°	5561.0	51.2
0°-60°	8637.3	79.5
0°-90°	10305.8	94.9
90°-120°	448.5	4.1
90°-150°	552.8	5.1
90°-180°	558.0	5.1
0°-180°	10864.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4752	4752	4752	4752	4752	
5°	4778	4742	4697	4712	4681	455
15°	4681	4593	4468	4437	4395	1324
25°	4482	4281	4024	3830	3707	2068
35°	4137	3688	3035	2655	2532	2584
45°	3478	2617	1946	1832	1820	2673
55°	2374	1485	1279	1324	1326	2101
65°	1128	764	792	839	832	1138
75°	376	388	508	532	515	419
85°	64	210	355	374	357	77
90°	2	158	300	314	300	5
95°	0	121	251	265	251	0
105°	0	76	175	192	184	0
115°	0	47	121	144	142	0
125°	2	31	80	102	99	2
135°	2	16	50	62	59	2
145°	2	7	26	33	31	2
155°	2	5	10	14	10	1
165°	2	5	5	0	0	1
175°	5	5	5	0	0	0
180°	2	2	2	2	2	



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-96SL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4751.7	4751.7	4751.7	4751.7	4751.7
2.5°	4784.8	4756.4	4721.0	4744.6	4725.7
5°	4777.7	4742.2	4697.3	4711.5	4680.8
7.5°	4765.9	4721.0	4657.1	4652.4	4616.9
10°	4747.0	4687.9	4602.8	4586.2	4548.4
12.5°	4721.0	4647.7	4541.3	4515.3	4470.4
15°	4680.8	4593.3	4468.0	4437.3	4394.7
17.5°	4640.6	4531.8	4385.3	4347.4	4297.8
20°	4593.3	4460.9	4295.4	4215.1	4153.6
22.5°	4543.7	4380.5	4177.2	4042.5	3962.1
25°	4482.2	4281.3	4023.6	3829.7	3706.8
27.5°	4413.6	4177.2	3834.5	3555.5	3408.9
30°	4330.9	4037.8	3602.8	3252.9	3099.2
32.5°	4248.2	3886.5	3319.1	2955.0	2815.6
35°	4137.0	3687.9	3035.4	2654.8	2531.9
37.5°	4011.8	3465.7	2725.7	2387.7	2297.8
40°	3860.5	3205.6	2434.9	2165.4	2099.3
42.5°	3697.3	2919.6	2182.0	1985.8	1950.3
45°	3477.5	2617.0	1945.6	1832.1	1820.3
47.5°	3260.0	2314.4	1744.7	1697.4	1704.5
50°	2981.0	2014.2	1562.6	1579.2	1591.0
52.5°	2673.7	1737.6	1413.7	1449.1	1458.6
55°	2373.5	1484.6	1278.9	1323.9	1326.2
57.5°	2023.6	1262.4	1132.4	1200.9	1193.8
60°	1706.8	1066.2	1007.1	1061.4	1066.2
62.5°	1394.8	905.4	896.0	943.2	940.9
65°	1127.6	763.6	791.9	839.2	832.1
67.5°	896.0	638.3	704.5	744.7	728.1
70°	683.2	541.4	628.8	659.6	650.1
72.5°	513.0	458.6	562.6	591.0	574.5
75°	375.9	387.7	508.3	531.9	515.4
77.5°	269.5	333.3	465.7	479.9	468.1
80°	182.0	283.7	423.2	442.1	423.2
82.5°	115.8	243.5	387.7	404.2	387.7
85°	63.8	210.4	354.6	373.5	357.0
87.5°	28.4	182.0	326.2	342.8	328.6
90°	2.4	158.4	300.2	314.4	300.2
92.5°	0.0	137.1	274.2	290.8	276.6
95°	0.0	120.6	250.6	264.8	250.6
97.5°	0.0	106.4	229.3	243.5	231.7
100°	0.0	94.6	210.4	224.6	212.8
102.5°	0.0	82.7	191.5	208.0	198.6
105°	0.0	75.6	174.9	191.5	184.4
107.5°	0.0	66.2	160.8	179.7	174.9
110°	0.0	59.1	146.6	167.8	163.1



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-96SL-LN-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.4	132.4	156.0	151.3
115°	0.0	47.3	120.6	144.2	141.8
117.5°	0.0	42.6	111.1	132.4	132.4
120°	2.4	37.8	101.7	122.9	120.6
122.5°	2.4	33.1	89.8	111.1	108.7
125°	2.4	30.7	80.4	101.7	99.3
127.5°	2.4	26.0	73.3	89.8	87.5
130°	2.4	23.6	63.8	80.4	78.0
132.5°	2.4	18.9	56.7	70.9	68.6
135°	2.4	16.5	49.6	61.5	59.1
137.5°	2.4	14.2	42.6	54.4	52.0
140°	2.4	11.8	37.8	47.3	44.9
142.5°	2.4	9.5	30.7	40.2	37.8
145°	2.4	7.1	26.0	33.1	30.7
147.5°	2.4	4.7	21.3	28.4	26.0
150°	2.4	4.7	16.5	23.6	21.3
152.5°	2.4	4.7	14.2	18.9	14.2
155°	2.4	4.7	9.5	14.2	9.5
157.5°	2.4	4.7	7.1	9.5	7.1
160°	2.4	4.7	7.1	7.1	2.4
162.5°	2.4	4.7	4.7	2.4	0.0
165°	2.4	4.7	4.7	0.0	0.0
167.5°	2.4	4.7	4.7	0.0	0.0
170°	2.4	4.7	4.7	0.0	0.0
172.5°	2.4	4.7	4.7	0.0	0.0
175°	4.7	4.7	4.7	0.0	0.0
177.5°	2.4	4.7	2.4	0.0	0.0
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)