

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-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 (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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

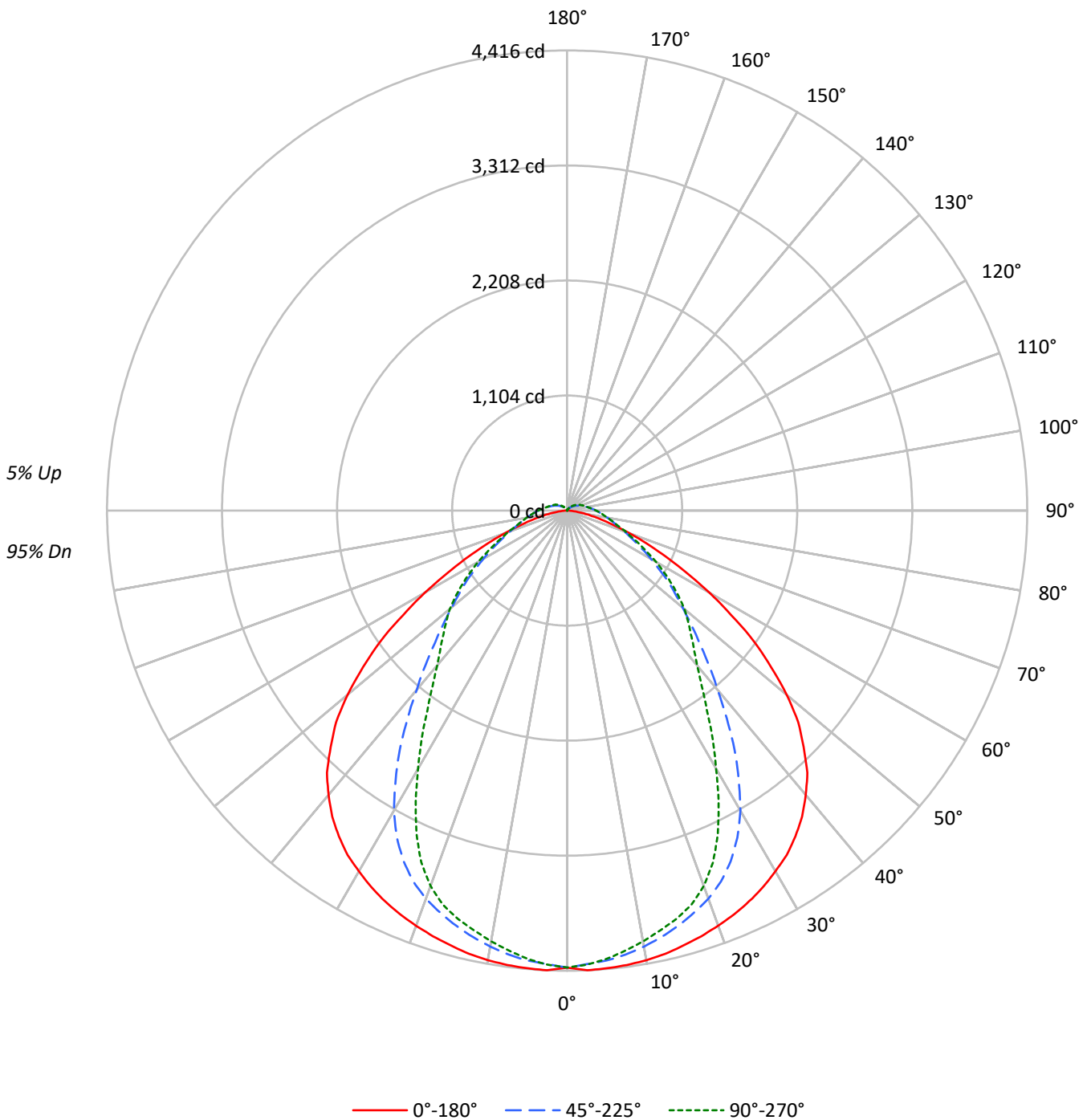
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10026.1 lumens
Efficiency: N/A
Efficacy: 136.6 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°	25746	25746	25746
5°	25935	24504	24056
10°	26013	23319	22392
15°	26098	22168	20916
20°	26268	21035	19273
25°	26516	19599	16906
30°	26745	17590	14001
35°	26936	14969	11418
40°	26795	12223	9522
45°	26054	10023	8369
50°	24466	8332	7474
55°	21716	7123	6418
60°	17796	5917	5362
65°	13786	4964	4391
70°	10187	4258	3637
75°	7254	3774	3093
80°	5032	3507	2762
85°	3150	3355	2574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.1	4.1
10°-20°	1173.4	11.7
20°-30°	1714.4	17.1
30°-40°	1831.1	18.3
40°-50°	1613.7	16.1
50°-60°	1225.3	12.2
60°-70°	781.2	7.8
70°-80°	465.9	4.6
80°-90°	292.7	2.9
90°-100°	193.7	1.9
100°-110°	131.7	1.3
110°-120°	88.5	0.9
120°-130°	54.7	0.5
130°-140°	28.9	0.3
140°-150°	12.5	0.1
150°-160°	4.0	0.0
160°-170°	0.9	0.0
170°-180°	0.2	0.0
0°-30°	3301.0	32.9
0°-40°	5132.1	51.2
0°-60°	7971.0	79.5
0°-90°	9510.8	94.9
90°-120°	413.9	4.1
90°-150°	510.1	5.1
90°-180°	515.0	5.1
0°-180°	10026.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4385	4385	4385	4385	4385	
5°	4409	4376	4335	4348	4320	420
15°	4320	4239	4123	4095	4056	1222
25°	4136	3951	3713	3534	3421	1908
35°	3818	3403	2801	2450	2337	2385
45°	3209	2415	1796	1691	1680	2467
55°	2190	1370	1180	1222	1224	1939
65°	1041	705	731	774	768	1051
75°	347	358	469	491	476	387
85°	59	194	327	345	329	71
90°	2	146	277	290	277	4
95°	0	111	231	244	231	0
105°	0	70	161	177	170	0
115°	0	44	111	133	131	0
125°	2	28	74	94	92	2
135°	2	15	46	57	54	2
145°	2	6	24	30	28	1
155°	2	4	9	13	9	1
165°	2	4	4	0	0	1
175°	4	4	4	0	0	0
180°	2	2	2	2	2	



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-96SL-LN-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4385.2	4385.2	4385.2	4385.2	4385.2
2.5°	4415.7	4389.5	4356.8	4378.6	4361.2
5°	4409.2	4376.4	4335.0	4348.1	4319.7
7.5°	4398.3	4356.8	4297.9	4293.5	4260.8
10°	4380.8	4326.3	4247.7	4232.5	4197.5
12.5°	4356.8	4289.2	4191.0	4167.0	4125.6
15°	4319.7	4239.0	4123.4	4095.0	4055.7
17.5°	4282.6	4182.3	4047.0	4012.1	3966.3
20°	4239.0	4116.8	3964.1	3889.9	3833.2
22.5°	4193.2	4042.6	3855.0	3730.7	3656.5
25°	4136.5	3951.0	3713.2	3534.3	3420.9
27.5°	4073.2	3855.0	3538.7	3281.2	3146.0
30°	3996.8	3726.3	3324.9	3002.0	2860.2
32.5°	3920.5	3586.7	3063.1	2727.1	2598.4
35°	3817.9	3403.4	2801.3	2450.0	2336.6
37.5°	3702.3	3198.3	2515.5	2203.5	2120.6
40°	3562.7	2958.4	2247.1	1998.4	1937.3
42.5°	3412.1	2694.4	2013.7	1832.6	1799.9
45°	3209.2	2415.1	1795.5	1690.8	1679.9
47.5°	3008.5	2135.9	1610.1	1566.4	1573.0
50°	2751.1	1858.8	1442.1	1457.4	1468.3
52.5°	2467.5	1603.5	1304.6	1337.4	1346.1
55°	2190.4	1370.1	1180.3	1221.7	1223.9
57.5°	1867.5	1165.0	1045.0	1108.3	1101.7
60°	1575.2	983.9	929.4	979.6	983.9
62.5°	1287.2	835.6	826.9	870.5	868.3
65°	1040.7	704.7	730.9	774.5	768.0
67.5°	826.9	589.1	650.1	687.2	672.0
70°	630.5	499.6	580.3	608.7	600.0
72.5°	473.4	423.2	519.2	545.4	530.1
75°	346.9	357.8	469.1	490.9	475.6
77.5°	248.7	307.6	429.8	442.9	432.0
80°	168.0	261.8	390.5	408.0	390.5
82.5°	106.9	224.7	357.8	373.1	357.8
85°	58.9	194.2	327.3	344.7	329.4
87.5°	26.2	168.0	301.1	316.3	303.3
90°	2.2	146.2	277.1	290.2	277.1
92.5°	0.0	126.5	253.1	268.3	255.3
95°	0.0	111.3	231.3	244.3	231.3
97.5°	0.0	98.2	211.6	224.7	213.8
100°	0.0	87.3	194.2	207.3	196.4
102.5°	0.0	76.4	176.7	192.0	183.3
105°	0.0	69.8	161.4	176.7	170.2
107.5°	0.0	61.1	148.4	165.8	161.4
110°	0.0	54.5	135.3	154.9	150.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.2	122.2	144.0	139.6
115°	0.0	43.6	111.3	133.1	130.9
117.5°	0.0	39.3	102.5	122.2	122.2
120°	2.2	34.9	93.8	113.4	111.3
122.5°	2.2	30.5	82.9	102.5	100.4
125°	2.2	28.4	74.2	93.8	91.6
127.5°	2.2	24.0	67.6	82.9	80.7
130°	2.2	21.8	58.9	74.2	72.0
132.5°	2.2	17.5	52.4	65.5	63.3
135°	2.2	15.3	45.8	56.7	54.5
137.5°	2.2	13.1	39.3	50.2	48.0
140°	2.2	10.9	34.9	43.6	41.5
142.5°	2.2	8.7	28.4	37.1	34.9
145°	2.2	6.5	24.0	30.5	28.4
147.5°	2.2	4.4	19.6	26.2	24.0
150°	2.2	4.4	15.3	21.8	19.6
152.5°	2.2	4.4	13.1	17.5	13.1
155°	2.2	4.4	8.7	13.1	8.7
157.5°	2.2	4.4	6.5	8.7	6.5
160°	2.2	4.4	6.5	6.5	2.2
162.5°	2.2	4.4	4.4	2.2	0.0
165°	2.2	4.4	4.4	0.0	0.0
167.5°	2.2	4.4	4.4	0.0	0.0
170°	2.2	4.4	4.4	0.0	0.0
172.5°	2.2	4.4	4.4	0.0	0.0
175°	4.4	4.4	4.4	0.0	0.0
177.5°	2.2	4.4	2.2	0.0	0.0
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)