

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-L830-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-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

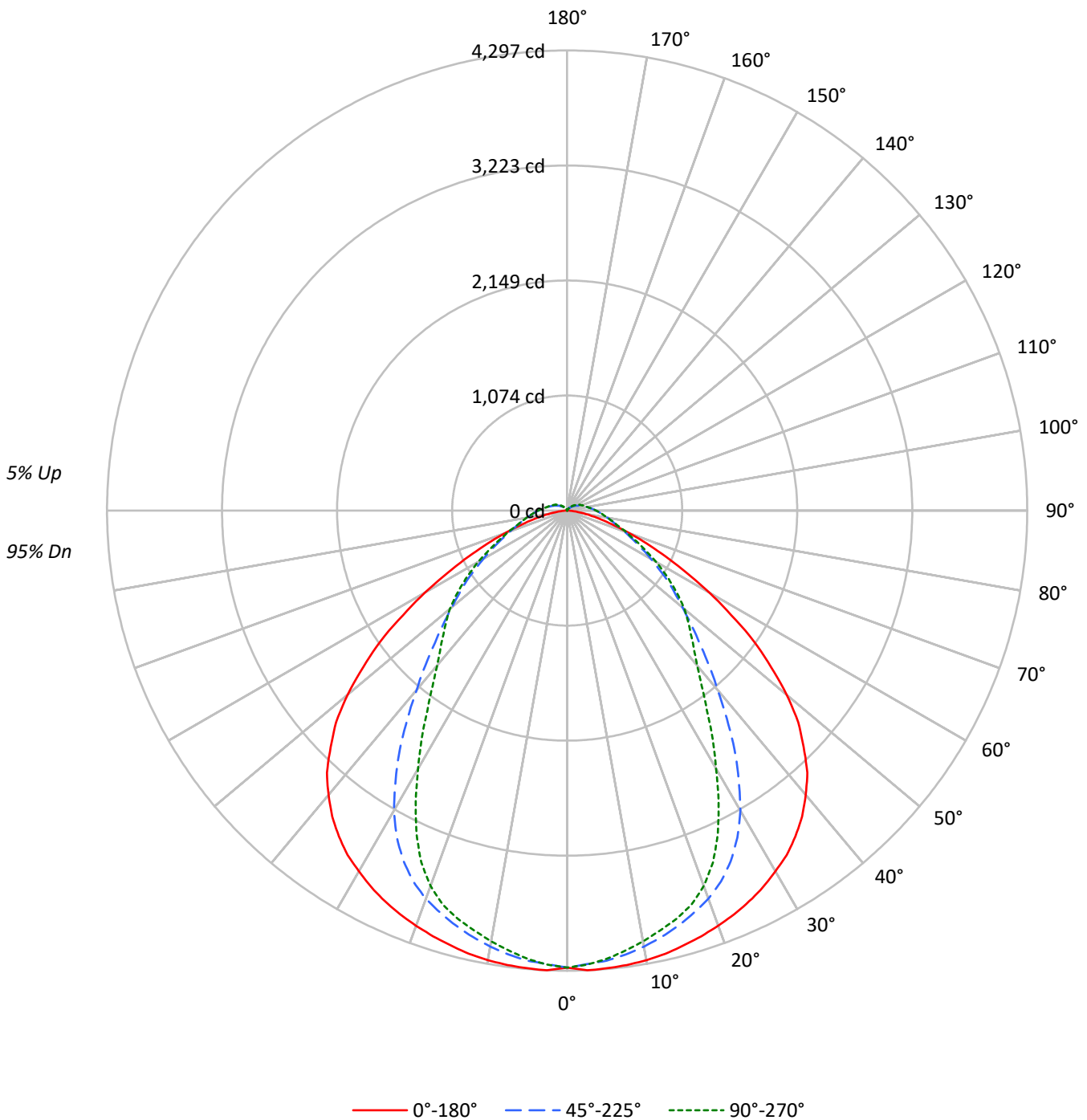
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9756.0 lumens
Efficiency: N/A
Efficacy: 132.9 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 (Ain): 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°	25053	25053	25053
5°	25236	23844	23408
10°	25312	22691	21790
15°	25395	21571	20352
20°	25560	20469	18754
25°	25802	19072	16450
30°	26025	17116	13625
35°	26211	14565	11110
40°	26073	11894	9266
45°	25353	9753	8144
50°	23807	8108	7272
55°	21131	6931	6245
60°	17317	5758	5217
65°	13414	4830	4273
70°	9913	4144	3539
75°	7057	3672	3010
80°	4897	3413	2687
85°	3064	3264	2505



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.0	4.1
10°-20°	1141.8	11.7
20°-30°	1668.3	17.1
30°-40°	1781.8	18.3
40°-50°	1570.2	16.1
50°-60°	1192.3	12.2
60°-70°	760.1	7.8
70°-80°	453.4	4.6
80°-90°	284.8	2.9
90°-100°	188.5	1.9
100°-110°	128.1	1.3
110°-120°	86.2	0.9
120°-130°	53.3	0.5
130°-140°	28.2	0.3
140°-150°	12.2	0.1
150°-160°	3.9	0.0
160°-170°	0.8	0.0
170°-180°	0.2	0.0
0°-30°	3212.1	32.9
0°-40°	4993.9	51.2
0°-60°	7756.4	79.5
0°-90°	9254.7	94.9
90°-120°	402.8	4.1
90°-150°	496.4	5.1
90°-180°	501.0	5.1
0°-180°	9756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4267	4267	4267	4267	4267	
5°	4290	4259	4218	4231	4203	409
15°	4203	4125	4012	3985	3946	1189
25°	4025	3845	3613	3439	3329	1857
35°	3715	3312	2726	2384	2274	2321
45°	3123	2350	1747	1645	1635	2401
55°	2131	1333	1148	1189	1191	1886
65°	1013	686	711	754	747	1022
75°	338	348	456	478	463	376
85°	57	189	318	335	321	70
90°	2	142	270	282	270	4
95°	0	108	225	238	225	0
105°	0	68	157	172	166	0
115°	0	42	108	130	127	0
125°	2	28	72	91	89	2
135°	2	15	45	55	53	2
145°	2	6	23	30	28	1
155°	2	4	8	13	8	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-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4267.1	4267.1	4267.1	4267.1	4267.1
2.5°	4296.8	4271.3	4239.5	4260.7	4243.7
5°	4290.4	4258.6	4218.3	4231.0	4203.4
7.5°	4279.8	4239.5	4182.2	4177.9	4146.1
10°	4262.8	4209.8	4133.3	4118.5	4084.5
12.5°	4239.5	4173.7	4078.1	4054.8	4014.5
15°	4203.4	4124.8	4012.3	3984.7	3946.5
17.5°	4167.3	4069.6	3938.0	3904.1	3859.5
20°	4124.8	4006.0	3857.4	3785.2	3730.0
22.5°	4080.3	3933.8	3751.2	3630.2	3558.0
25°	4025.1	3844.6	3613.2	3439.1	3328.7
27.5°	3963.5	3751.2	3443.4	3192.9	3061.3
30°	3889.2	3626.0	3235.3	2921.1	2783.2
32.5°	3814.9	3490.1	2980.6	2653.7	2528.4
35°	3715.1	3311.8	2725.8	2384.0	2273.7
37.5°	3602.6	3112.2	2447.7	2144.2	2063.5
40°	3466.7	2878.7	2186.6	1944.6	1885.2
42.5°	3320.3	2621.8	1959.5	1783.3	1751.4
45°	3122.8	2350.1	1747.2	1645.3	1634.7
47.5°	2927.5	2078.3	1566.7	1524.3	1530.6
50°	2677.0	1808.7	1403.3	1418.1	1428.7
52.5°	2401.0	1560.3	1269.5	1301.4	1309.8
55°	2131.4	1333.2	1148.5	1188.8	1191.0
57.5°	1817.2	1133.6	1016.9	1078.4	1072.1
60°	1532.8	957.4	904.4	953.2	957.4
62.5°	1252.5	813.1	804.6	847.0	844.9
65°	1012.6	685.7	711.2	753.6	747.3
67.5°	804.6	573.2	632.6	668.7	653.9
70°	613.5	486.1	564.7	592.3	583.8
72.5°	460.7	411.8	505.3	530.7	515.9
75°	337.5	348.2	456.4	477.7	462.8
77.5°	242.0	299.3	418.2	431.0	420.3
80°	163.5	254.8	380.0	397.0	380.0
82.5°	104.0	218.7	348.2	363.0	348.2
85°	57.3	188.9	318.4	335.4	320.6
87.5°	25.5	163.5	293.0	307.8	295.1
90°	2.1	142.2	269.6	282.3	269.6
92.5°	0.0	123.1	246.3	261.1	248.4
95°	0.0	108.3	225.0	237.8	225.0
97.5°	0.0	95.5	205.9	218.7	208.0
100°	0.0	84.9	188.9	201.7	191.1
102.5°	0.0	74.3	172.0	186.8	178.3
105°	0.0	67.9	157.1	172.0	165.6
107.5°	0.0	59.4	144.4	161.3	157.1
110°	0.0	53.1	131.6	150.7	146.5



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CATALOG NUMBER: 8SRL-LD5-96SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.8	118.9	140.1	135.9
115°	0.0	42.5	108.3	129.5	127.4
117.5°	0.0	38.2	99.8	118.9	118.9
120°	2.1	34.0	91.3	110.4	108.3
122.5°	2.1	29.7	80.7	99.8	97.7
125°	2.1	27.6	72.2	91.3	89.2
127.5°	2.1	23.4	65.8	80.7	78.5
130°	2.1	21.2	57.3	72.2	70.1
132.5°	2.1	17.0	51.0	63.7	61.6
135°	2.1	14.9	44.6	55.2	53.1
137.5°	2.1	12.7	38.2	48.8	46.7
140°	2.1	10.6	34.0	42.5	40.3
142.5°	2.1	8.5	27.6	36.1	34.0
145°	2.1	6.4	23.4	29.7	27.6
147.5°	2.1	4.2	19.1	25.5	23.4
150°	2.1	4.2	14.9	21.2	19.1
152.5°	2.1	4.2	12.7	17.0	12.7
155°	2.1	4.2	8.5	12.7	8.5
157.5°	2.1	4.2	6.4	8.5	6.4
160°	2.1	4.2	6.4	6.4	2.1
162.5°	2.1	4.2	4.2	2.1	0.0
165°	2.1	4.2	4.2	0.0	0.0
167.5°	2.1	4.2	4.2	0.0	0.0
170°	2.1	4.2	4.2	0.0	0.0
172.5°	2.1	4.2	4.2	0.0	0.0
175°	4.2	4.2	4.2	0.0	0.0
177.5°	2.1	4.2	2.1	0.0	0.0
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)