

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-LD5-92SL-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-LD5-92SL-LN-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

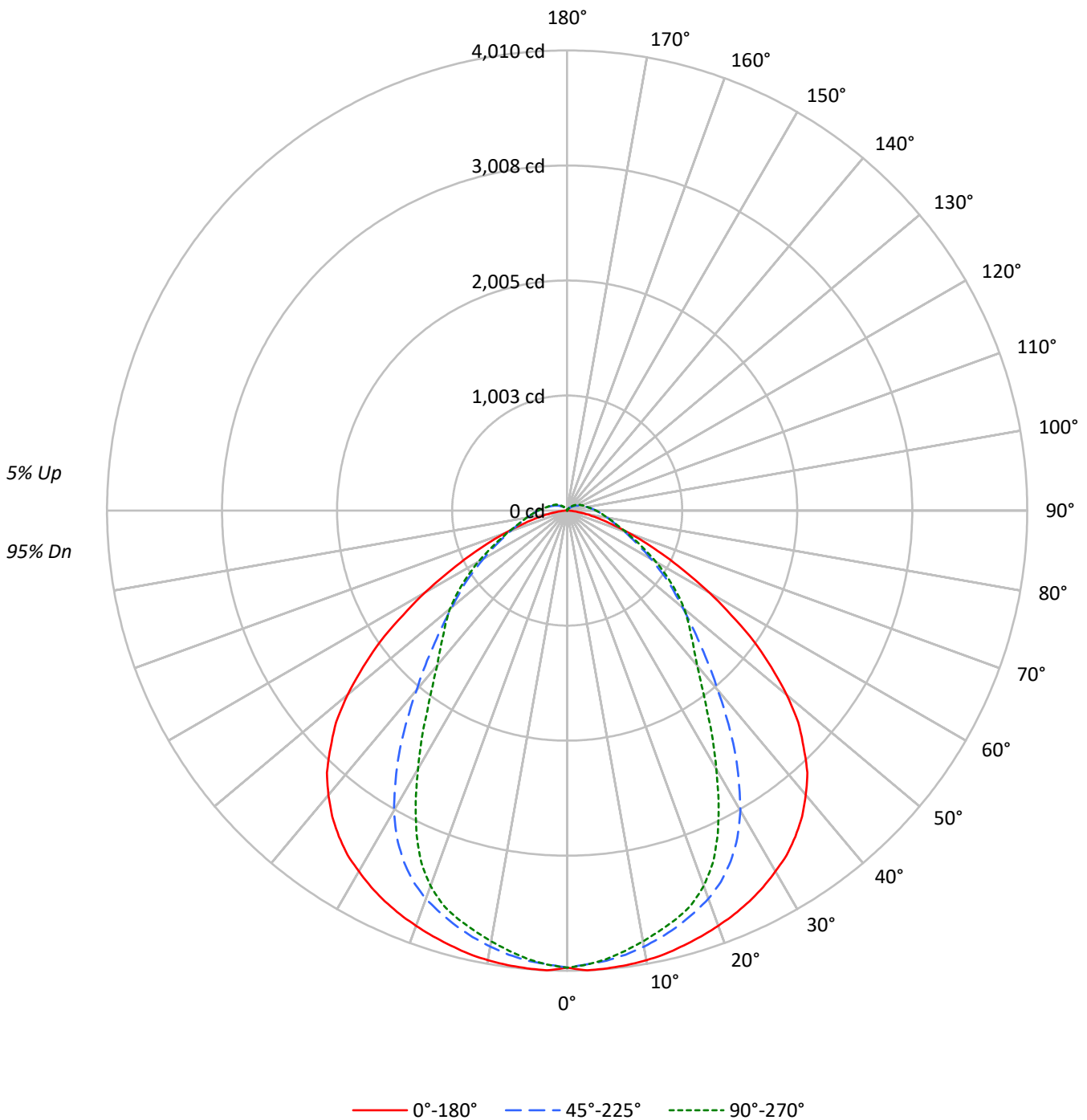
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9106.0 lumens
Efficiency: N/A
Efficacy: 135.1 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): 67.4
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°	23384	23384	23384
5°	23555	22255	21848
10°	23626	21179	20338
15°	23703	20134	18997
20°	23858	19105	17505
25°	24083	17801	15354
30°	24292	15976	12716
35°	24464	13595	10370
40°	24336	11101	8648
45°	23664	9103	7601
50°	22221	7567	6787
55°	19724	6469	5829
60°	16162	5374	4870
65°	12521	4509	3988
70°	9252	3868	3303
75°	6589	3428	2810
80°	4570	3186	2508
85°	2861	3046	2338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.2	4.1
10°-20°	1065.7	11.7
20°-30°	1557.1	17.1
30°-40°	1663.1	18.3
40°-50°	1465.6	16.1
50°-60°	1112.8	12.2
60°-70°	709.5	7.8
70°-80°	423.2	4.6
80°-90°	265.8	2.9
90°-100°	175.9	1.9
100°-110°	119.6	1.3
110°-120°	80.4	0.9
120°-130°	49.7	0.5
130°-140°	26.3	0.3
140°-150°	11.4	0.1
150°-160°	3.6	0.0
160°-170°	0.8	0.0
170°-180°	0.2	0.0
0°-30°	2998.1	32.9
0°-40°	4661.2	51.2
0°-60°	7239.6	79.5
0°-90°	8638.1	94.9
90°-120°	376.0	4.1
90°-150°	463.3	5.1
90°-180°	468.0	5.1
0°-180°	9106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3983	3983	3983	3983	3983	
5°	4005	3975	3937	3949	3923	381
15°	3923	3850	3745	3719	3684	1110
25°	3757	3588	3372	3210	3107	1733
35°	3468	3091	2544	2225	2122	2166
45°	2915	2194	1631	1536	1526	2241
55°	1989	1244	1072	1110	1112	1761
65°	945	640	664	703	698	954
75°	315	325	426	446	432	351
85°	54	176	297	313	299	65
90°	2	133	252	264	252	4
95°	0	101	210	222	210	0
105°	0	63	147	160	155	0
115°	0	40	101	121	119	0
125°	2	26	67	85	83	2
135°	2	14	42	52	50	2
145°	2	6	22	28	26	1
155°	2	4	8	12	8	1
165°	2	4	4	0	0	1
175°	4	4	4	0	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3982.8	3982.8	3982.8	3982.8	3982.8
2.5°	4010.5	3986.7	3957.0	3976.8	3961.0
5°	4004.6	3974.9	3937.2	3949.1	3923.3
7.5°	3994.7	3957.0	3903.5	3899.6	3869.8
10°	3978.8	3929.3	3857.9	3844.1	3812.4
12.5°	3957.0	3895.6	3806.4	3784.6	3747.0
15°	3923.3	3850.0	3745.0	3719.2	3683.6
17.5°	3889.7	3798.5	3675.7	3643.9	3602.3
20°	3850.0	3739.1	3600.4	3533.0	3481.5
22.5°	3808.4	3671.7	3501.3	3388.3	3321.0
25°	3756.9	3588.5	3372.5	3210.0	3107.0
27.5°	3699.4	3501.3	3214.0	2980.2	2857.3
30°	3630.1	3384.4	3019.8	2726.5	2597.7
32.5°	3560.7	3257.6	2782.0	2476.9	2359.9
35°	3467.6	3091.1	2544.2	2225.2	2122.2
37.5°	3362.6	2904.9	2284.7	2001.3	1926.0
40°	3235.8	2686.9	2040.9	1815.0	1759.6
42.5°	3099.0	2447.1	1828.9	1664.4	1634.7
45°	2914.8	2193.5	1630.8	1535.6	1525.7
47.5°	2732.5	1939.9	1462.3	1422.7	1428.6
50°	2498.7	1688.2	1309.8	1323.6	1333.5
52.5°	2241.1	1456.4	1184.9	1214.6	1222.6
55°	1989.4	1244.4	1072.0	1109.6	1111.6
57.5°	1696.1	1058.1	949.1	1006.6	1000.6
60°	1430.6	893.6	844.1	889.7	893.6
62.5°	1169.1	758.9	751.0	790.6	788.6
65°	945.2	640.0	663.8	703.4	697.5
67.5°	751.0	535.0	590.5	624.2	610.3
70°	572.6	453.8	527.1	552.8	544.9
72.5°	430.0	384.4	471.6	495.4	481.5
75°	315.1	325.0	426.0	445.8	432.0
77.5°	225.9	279.4	390.4	402.2	392.3
80°	152.6	237.8	354.7	370.5	354.7
82.5°	97.1	204.1	325.0	338.8	325.0
85°	53.5	176.4	297.2	313.1	299.2
87.5°	23.8	152.6	273.4	287.3	275.4
90°	2.0	132.8	251.6	263.5	251.6
92.5°	0.0	114.9	229.9	243.7	231.8
95°	0.0	101.1	210.0	221.9	210.0
97.5°	0.0	89.2	192.2	204.1	194.2
100°	0.0	79.3	176.4	188.2	178.3
102.5°	0.0	69.4	160.5	174.4	166.4
105°	0.0	63.4	146.6	160.5	154.6
107.5°	0.0	55.5	134.7	150.6	146.6
110°	0.0	49.5	122.9	140.7	136.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.6	111.0	130.8	126.8
115°	0.0	39.6	101.1	120.9	118.9
117.5°	0.0	35.7	93.1	111.0	111.0
120°	2.0	31.7	85.2	103.0	101.1
122.5°	2.0	27.7	75.3	93.1	91.1
125°	2.0	25.8	67.4	85.2	83.2
127.5°	2.0	21.8	61.4	75.3	73.3
130°	2.0	19.8	53.5	67.4	65.4
132.5°	2.0	15.9	47.6	59.4	57.5
135°	2.0	13.9	41.6	51.5	49.5
137.5°	2.0	11.9	35.7	45.6	43.6
140°	2.0	9.9	31.7	39.6	37.6
142.5°	2.0	7.9	25.8	33.7	31.7
145°	2.0	5.9	21.8	27.7	25.8
147.5°	2.0	4.0	17.8	23.8	21.8
150°	2.0	4.0	13.9	19.8	17.8
152.5°	2.0	4.0	11.9	15.9	11.9
155°	2.0	4.0	7.9	11.9	7.9
157.5°	2.0	4.0	5.9	7.9	5.9
160°	2.0	4.0	5.9	5.9	2.0
162.5°	2.0	4.0	4.0	2.0	0.0
165°	2.0	4.0	4.0	0.0	0.0
167.5°	2.0	4.0	4.0	0.0	0.0
170°	2.0	4.0	4.0	0.0	0.0
172.5°	2.0	4.0	4.0	0.0	0.0
175°	4.0	4.0	4.0	0.0	0.0
177.5°	2.0	4.0	2.0	0.0	0.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)