

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-LD5-82SL-LN-UNV-L835-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-LD5-82SL-LN-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

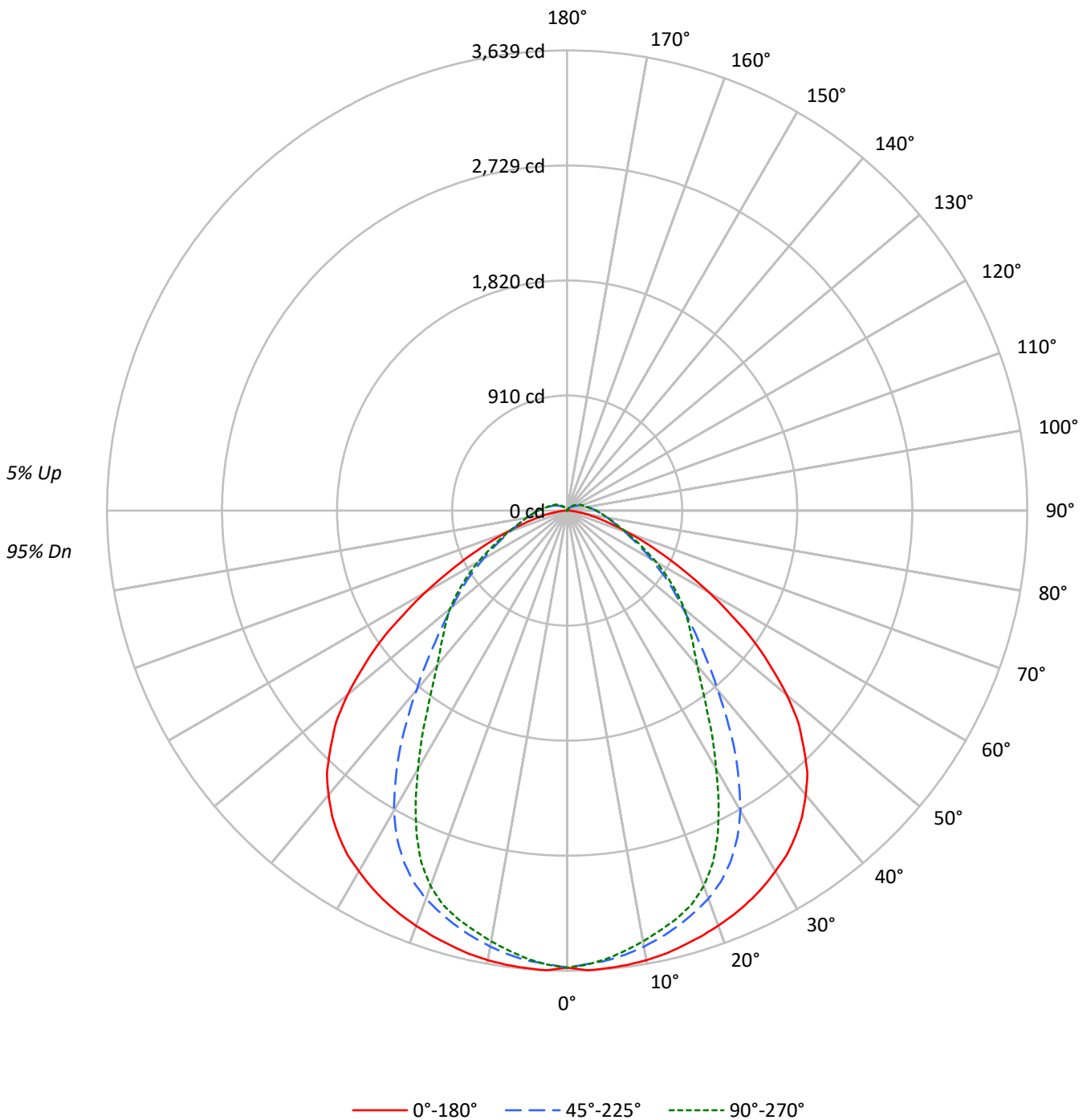
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8262.0 lumens
Efficiency: N/A
Efficacy: 139.6 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): 59.2
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°	21216	21216	21216
5°	21371	20193	19823
10°	21436	19217	18453
15°	21506	18267	17236
20°	21647	17335	15882
25°	21851	16151	13931
30°	22040	14495	11538
35°	22197	12335	9409
40°	22081	10073	7847
45°	21471	8259	6896
50°	20162	6866	6158
55°	17895	5869	5289
60°	14664	4876	4419
65°	11360	4091	3618
70°	8395	3509	2997
75°	5978	3110	2549
80°	4145	2890	2276
85°	2593	2765	2122



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.5	4.1
10°-20°	967.0	11.7
20°-30°	1412.8	17.1
30°-40°	1508.9	18.3
40°-50°	1329.8	16.1
50°-60°	1009.7	12.2
60°-70°	643.7	7.8
70°-80°	384.0	4.6
80°-90°	241.2	2.9
90°-100°	159.6	1.9
100°-110°	108.5	1.3
110°-120°	73.0	0.9
120°-130°	45.1	0.5
130°-140°	23.8	0.3
140°-150°	10.3	0.1
150°-160°	3.3	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	2720.2	32.9
0°-40°	4229.1	51.2
0°-60°	6568.6	79.5
0°-90°	7837.5	94.9
90°-120°	341.1	4.1
90°-150°	420.4	5.1
90°-180°	425.0	5.1
0°-180°	8262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3614	3614	3614	3614	3614	
5°	3633	3606	3572	3583	3560	346
15°	3560	3493	3398	3374	3342	1007
25°	3409	3256	3060	2912	2819	1573
35°	3146	2805	2308	2019	1926	1965
45°	2645	1990	1480	1393	1384	2033
55°	1805	1129	973	1007	1009	1597
65°	858	581	602	638	633	866
75°	286	295	386	404	392	319
85°	48	160	270	284	272	59
90°	2	120	228	239	228	3
95°	0	92	191	201	191	0
105°	0	58	133	146	140	0
115°	0	36	92	110	108	0
125°	2	23	61	77	76	2
135°	2	13	38	47	45	1
145°	2	5	20	25	23	1
155°	2	4	7	11	7	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°	3613.6	3613.6	3613.6	3613.6	3613.6
2.5°	3638.8	3617.2	3590.3	3608.2	3593.9
5°	3633.4	3606.4	3572.3	3583.1	3559.7
7.5°	3624.4	3590.3	3541.7	3538.1	3511.2
10°	3610.0	3565.1	3500.4	3487.8	3459.0
12.5°	3590.3	3534.5	3453.6	3433.8	3399.7
15°	3559.7	3493.2	3397.9	3374.5	3342.2
17.5°	3529.1	3446.4	3335.0	3306.2	3268.4
20°	3493.2	3392.5	3266.7	3205.5	3158.8
22.5°	3455.4	3331.4	3176.8	3074.3	3013.2
25°	3408.7	3255.9	3059.9	2912.5	2819.0
27.5°	3356.5	3176.8	2916.1	2703.9	2592.5
30°	3293.6	3070.7	2739.9	2473.8	2357.0
32.5°	3230.7	2955.6	2524.1	2247.3	2141.2
35°	3146.2	2804.6	2308.4	2019.0	1925.5
37.5°	3050.9	2635.6	2072.9	1815.8	1747.5
40°	2935.9	2437.9	1851.8	1646.8	1596.5
42.5°	2811.8	2220.3	1659.4	1510.2	1483.2
45°	2644.6	1990.2	1479.6	1393.3	1384.3
47.5°	2479.2	1760.1	1326.8	1290.8	1296.2
50°	2267.1	1531.7	1188.4	1200.9	1209.9
52.5°	2033.3	1321.4	1075.1	1102.1	1109.3
55°	1805.0	1129.0	972.6	1006.8	1008.6
57.5°	1538.9	960.0	861.2	913.3	907.9
60°	1298.0	810.8	765.9	807.2	810.8
62.5°	1060.7	688.6	681.4	717.3	715.5
65°	857.6	580.7	602.3	638.2	632.8
67.5°	681.4	485.4	535.8	566.3	553.7
70°	519.6	411.7	478.2	501.6	494.4
72.5°	390.1	348.8	427.9	449.5	436.9
75°	285.9	294.8	386.5	404.5	391.9
77.5°	205.0	253.5	354.2	365.0	356.0
80°	138.4	215.7	321.8	336.2	321.8
82.5°	88.1	185.2	294.8	307.4	294.8
85°	48.5	160.0	269.7	284.1	271.5
87.5°	21.6	138.4	248.1	260.7	249.9
90°	1.8	120.5	228.3	239.1	228.3
92.5°	0.0	104.3	208.5	221.1	210.3
95°	0.0	91.7	190.6	201.4	190.6
97.5°	0.0	80.9	174.4	185.2	176.2
100°	0.0	71.9	160.0	170.8	161.8
102.5°	0.0	62.9	145.6	158.2	151.0
105°	0.0	57.5	133.0	145.6	140.2
107.5°	0.0	50.3	122.3	136.6	133.0
110°	0.0	44.9	111.5	127.6	124.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.4	100.7	118.7	115.1
115°	0.0	36.0	91.7	109.7	107.9
117.5°	0.0	32.4	84.5	100.7	100.7
120°	1.8	28.8	77.3	93.5	91.7
122.5°	1.8	25.2	68.3	84.5	82.7
125°	1.8	23.4	61.1	77.3	75.5
127.5°	1.8	19.8	55.7	68.3	66.5
130°	1.8	18.0	48.5	61.1	59.3
132.5°	1.8	14.4	43.1	53.9	52.1
135°	1.8	12.6	37.8	46.7	44.9
137.5°	1.8	10.8	32.4	41.4	39.6
140°	1.8	9.0	28.8	36.0	34.2
142.5°	1.8	7.2	23.4	30.6	28.8
145°	1.8	5.4	19.8	25.2	23.4
147.5°	1.8	3.6	16.2	21.6	19.8
150°	1.8	3.6	12.6	18.0	16.2
152.5°	1.8	3.6	10.8	14.4	10.8
155°	1.8	3.6	7.2	10.8	7.2
157.5°	1.8	3.6	5.4	7.2	5.4
160°	1.8	3.6	5.4	5.4	1.8
162.5°	1.8	3.6	3.6	1.8	0.0
165°	1.8	3.6	3.6	0.0	0.0
167.5°	1.8	3.6	3.6	0.0	0.0
170°	1.8	3.6	3.6	0.0	0.0
172.5°	1.8	3.6	3.6	0.0	0.0
175°	3.6	3.6	3.6	0.0	0.0
177.5°	1.8	3.6	1.8	0.0	0.0
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)