

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-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-LD5-92SL-LN-UNV-L835-CD1-U  
Description: SRL LINEAR LED

Light Source: -  
Ballast/Driver: -

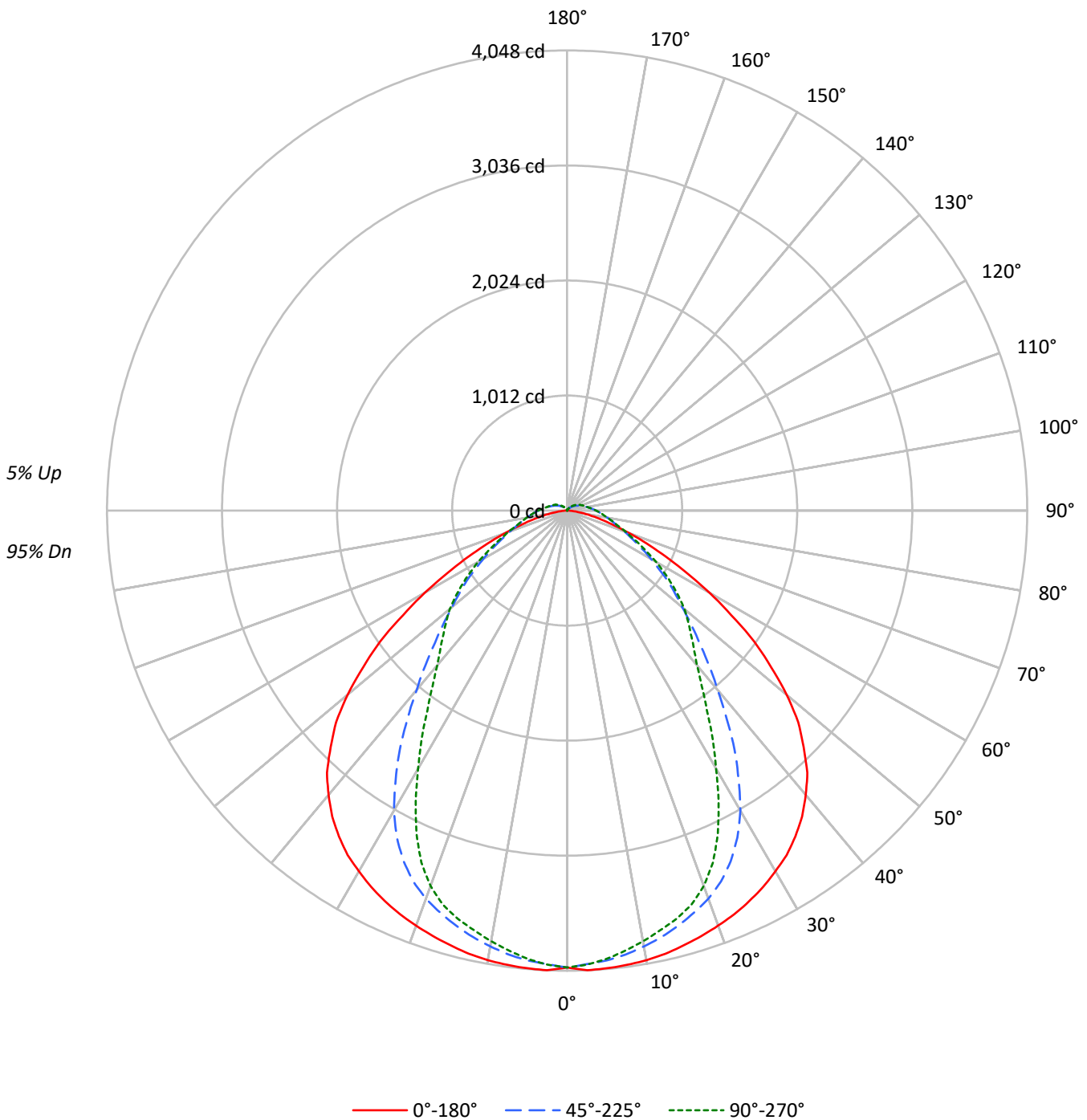
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9190.1 lumens  
Efficiency: N/A  
Efficacy: 136.4 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				
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°	23599	23599	23599
5°	23772	22460	22050
10°	23844	21375	20525
15°	23921	20319	19172
20°	24078	19282	17666
25°	24304	17965	15496
30°	24516	16123	12834
35°	24690	13720	10465
40°	24560	11204	8728
45°	23882	9187	7671
50°	22426	7637	6850
55°	19906	6529	5883
60°	16312	5424	4915
65°	12636	4550	4025
70°	9337	3903	3334
75°	6650	3459	2835
80°	4612	3215	2532
85°	2888	3075	2360



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.7	4.1
10°-20°	1075.6	11.7
20°-30°	1571.5	17.1
30°-40°	1678.4	18.3
40°-50°	1479.1	16.1
50°-60°	1123.1	12.2
60°-70°	716.0	7.8
70°-80°	427.1	4.6
80°-90°	268.3	2.9
90°-100°	177.6	1.9
100°-110°	120.7	1.3
110°-120°	81.2	0.9
120°-130°	50.2	0.5
130°-140°	26.5	0.3
140°-150°	11.5	0.1
150°-160°	3.7	0.0
160°-170°	0.8	0.0
170°-180°	0.2	0.0
0°-30°	3025.7	32.9
0°-40°	4704.2	51.2
0°-60°	7306.4	79.5
0°-90°	8717.8	94.9
90°-120°	379.5	4.1
90°-150°	467.6	5.1
90°-180°	472.0	5.1
0°-180°	9190.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4020	4020	4020	4020	4020	
5°	4042	4012	3974	3986	3960	385
15°	3960	3886	3780	3754	3718	1120
25°	3792	3622	3404	3240	3136	1749
35°	3500	3120	2568	2246	2142	2186
45°	2942	2214	1646	1550	1540	2261
55°	2008	1256	1082	1120	1122	1777
65°	954	646	670	710	704	963
75°	318	328	430	450	436	354
85°	54	178	300	316	302	66
90°	2	134	254	266	254	4
95°	0	102	212	224	212	0
105°	0	64	148	162	156	0
115°	0	40	102	122	120	0
125°	2	26	68	86	84	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°	4019.5	4019.5	4019.5	4019.5	4019.5
2.5°	4047.5	4023.5	3993.5	4013.5	3997.5
5°	4041.5	4011.5	3973.5	3985.5	3959.5
7.5°	4031.5	3993.5	3939.5	3935.5	3905.5
10°	4015.5	3965.5	3893.5	3879.5	3847.5
12.5°	3993.5	3931.5	3841.5	3819.5	3781.5
15°	3959.5	3885.5	3779.5	3753.6	3717.6
17.5°	3925.5	3833.5	3709.6	3677.6	3635.6
20°	3885.5	3773.6	3633.6	3565.6	3513.6
22.5°	3843.5	3705.6	3533.6	3419.6	3351.6
25°	3791.5	3621.6	3403.6	3239.6	3135.6
27.5°	3733.6	3533.6	3243.6	3007.6	2883.7
30°	3663.6	3415.6	3047.6	2751.7	2621.7
32.5°	3593.6	3287.6	2807.7	2499.7	2381.7
35°	3499.6	3119.6	2567.7	2245.7	2141.7
37.5°	3393.6	2931.7	2305.7	2019.8	1943.8
40°	3265.6	2711.7	2059.8	1831.8	1775.8
42.5°	3127.6	2469.7	1845.8	1679.8	1649.8
45°	2941.6	2213.7	1645.8	1549.8	1539.8
47.5°	2757.7	1957.8	1475.8	1435.8	1441.8
50°	2521.7	1703.8	1321.8	1335.8	1345.8
52.5°	2261.7	1469.8	1195.9	1225.9	1233.9
55°	2007.8	1255.9	1081.9	1119.9	1121.9
57.5°	1711.8	1067.9	957.9	1015.9	1009.9
60°	1443.8	901.9	851.9	897.9	901.9
62.5°	1179.9	765.9	757.9	797.9	795.9
65°	953.9	645.9	669.9	709.9	703.9
67.5°	757.9	539.9	595.9	629.9	615.9
70°	577.9	457.9	531.9	557.9	549.9
72.5°	433.9	388.0	475.9	499.9	485.9
75°	318.0	328.0	429.9	449.9	435.9
77.5°	228.0	282.0	394.0	406.0	396.0
80°	154.0	240.0	358.0	374.0	358.0
82.5°	98.0	206.0	328.0	342.0	328.0
85°	54.0	178.0	300.0	316.0	302.0
87.5°	24.0	154.0	276.0	290.0	278.0
90°	2.0	134.0	254.0	266.0	254.0
92.5°	0.0	116.0	232.0	246.0	234.0
95°	0.0	102.0	212.0	224.0	212.0
97.5°	0.0	90.0	194.0	206.0	196.0
100°	0.0	80.0	178.0	190.0	180.0
102.5°	0.0	70.0	162.0	176.0	168.0
105°	0.0	64.0	148.0	162.0	156.0
107.5°	0.0	56.0	136.0	152.0	148.0
110°	0.0	50.0	124.0	142.0	138.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.0	112.0	132.0	128.0
115°	0.0	40.0	102.0	122.0	120.0
117.5°	0.0	36.0	94.0	112.0	112.0
120°	2.0	32.0	86.0	104.0	102.0
122.5°	2.0	28.0	76.0	94.0	92.0
125°	2.0	26.0	68.0	86.0	84.0
127.5°	2.0	22.0	62.0	76.0	74.0
130°	2.0	20.0	54.0	68.0	66.0
132.5°	2.0	16.0	48.0	60.0	58.0
135°	2.0	14.0	42.0	52.0	50.0
137.5°	2.0	12.0	36.0	46.0	44.0
140°	2.0	10.0	32.0	40.0	38.0
142.5°	2.0	8.0	26.0	34.0	32.0
145°	2.0	6.0	22.0	28.0	26.0
147.5°	2.0	4.0	18.0	24.0	22.0
150°	2.0	4.0	14.0	20.0	18.0
152.5°	2.0	4.0	12.0	16.0	12.0
155°	2.0	4.0	8.0	12.0	8.0
157.5°	2.0	4.0	6.0	8.0	6.0
160°	2.0	4.0	6.0	6.0	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)