

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-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-LD5-92SL-LN-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

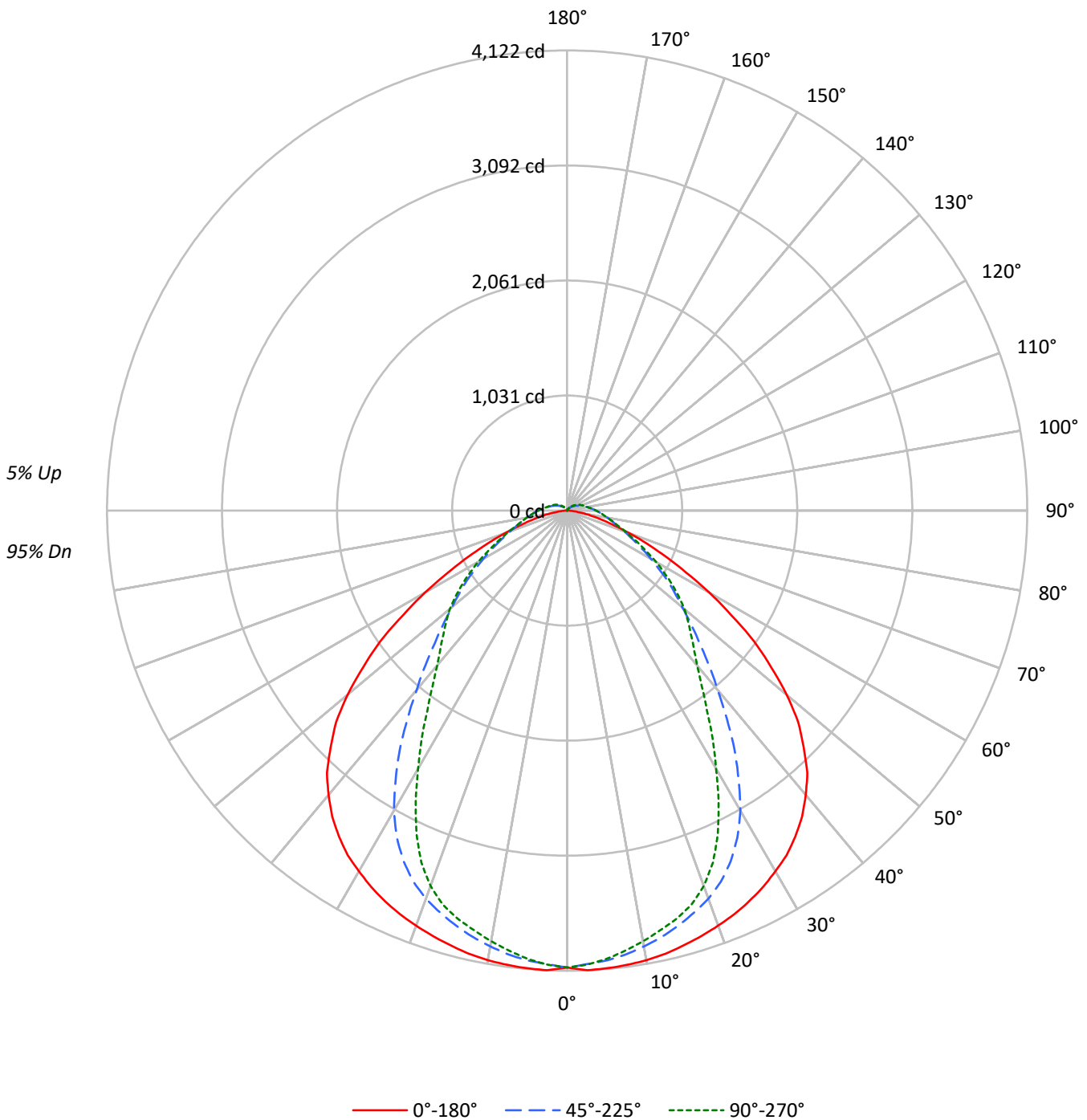
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9358.0 lumens
Efficiency: N/A
Efficacy: 138.8 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 (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				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°	24031	24031	24031
5°	24207	22871	22453
10°	24280	21766	20901
15°	24359	20690	19522
20°	24518	19634	17989
25°	24749	18294	15779
30°	24963	16418	13068
35°	25142	13971	10657
40°	25009	11409	8888
45°	24319	9355	7812
50°	22836	7777	6975
55°	20270	6648	5990
60°	16610	5523	5005
65°	12867	4634	4099
70°	9509	3975	3395
75°	6771	3523	2887
80°	4696	3274	2578
85°	2941	3130	2403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.6	4.1
10°-20°	1095.2	11.7
20°-30°	1600.2	17.1
30°-40°	1709.1	18.3
40°-50°	1506.2	16.1
50°-60°	1143.6	12.2
60°-70°	729.1	7.8
70°-80°	434.9	4.6
80°-90°	273.2	2.9
90°-100°	180.8	1.9
100°-110°	122.9	1.3
110°-120°	82.6	0.9
120°-130°	51.1	0.5
130°-140°	27.0	0.3
140°-150°	11.7	0.1
150°-160°	3.7	0.0
160°-170°	0.8	0.0
170°-180°	0.2	0.0
0°-30°	3081.1	32.9
0°-40°	4790.1	51.2
0°-60°	7439.9	79.5
0°-90°	8877.1	94.9
90°-120°	386.4	4.1
90°-150°	476.1	5.1
90°-180°	481.0	5.1
0°-180°	9358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4093	4093	4093	4093	4093	
5°	4115	4085	4046	4058	4032	392
15°	4032	3957	3849	3822	3786	1140
25°	3861	3688	3466	3299	3193	1781
35°	3564	3177	2615	2287	2181	2226
45°	2995	2254	1676	1578	1568	2303
55°	2044	1279	1102	1140	1142	1809
65°	971	658	682	723	717	981
75°	324	334	438	458	444	361
85°	55	181	305	322	308	67
90°	2	136	259	271	259	4
95°	0	104	216	228	216	0
105°	0	65	151	165	159	0
115°	0	41	104	124	122	0
125°	2	26	69	88	86	2
135°	2	14	43	53	51	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°	4093.0	4093.0	4093.0	4093.0	4093.0
2.5°	4121.5	4097.1	4066.5	4086.9	4070.6
5°	4115.4	4084.9	4046.2	4058.4	4031.9
7.5°	4105.2	4066.5	4011.5	4007.5	3976.9
10°	4088.9	4038.0	3964.7	3950.5	3917.9
12.5°	4066.5	4003.4	3911.8	3889.4	3850.7
15°	4031.9	3956.6	3848.6	3822.2	3785.5
17.5°	3997.3	3903.6	3777.4	3744.8	3702.0
20°	3956.6	3842.5	3700.0	3630.8	3577.8
22.5°	3913.8	3773.3	3598.2	3482.1	3412.9
25°	3860.9	3687.8	3465.8	3298.8	3192.9
27.5°	3801.8	3598.2	3302.9	3062.6	2936.4
30°	3730.5	3478.0	3103.3	2802.0	2669.6
32.5°	3659.3	3347.7	2859.0	2545.4	2425.3
35°	3563.6	3176.7	2614.6	2286.8	2180.9
37.5°	3455.6	2985.2	2347.9	2056.7	1979.3
40°	3325.3	2761.2	2097.4	1865.3	1808.3
42.5°	3184.8	2514.9	1879.5	1710.5	1680.0
45°	2995.4	2254.2	1675.9	1578.1	1568.0
47.5°	2808.1	1993.6	1502.8	1462.1	1468.2
50°	2567.8	1734.9	1346.0	1360.3	1370.4
52.5°	2303.1	1496.7	1217.7	1248.3	1256.4
55°	2044.5	1278.8	1101.6	1140.3	1142.4
57.5°	1743.1	1087.4	975.4	1034.4	1028.3
60°	1470.2	918.4	867.5	914.3	918.4
62.5°	1201.4	779.9	771.8	812.5	810.5
65°	971.3	657.7	682.2	722.9	716.8
67.5°	771.8	549.8	606.8	641.4	627.2
70°	588.5	466.3	541.7	568.1	560.0
72.5°	441.9	395.0	484.6	509.1	494.8
75°	323.8	334.0	437.8	458.2	443.9
77.5°	232.1	287.1	401.2	413.4	403.2
80°	156.8	244.4	364.5	380.8	364.5
82.5°	99.8	209.7	334.0	348.2	334.0
85°	55.0	181.2	305.4	321.7	307.5
87.5°	24.4	156.8	281.0	295.3	283.0
90°	2.0	136.4	258.6	270.8	258.6
92.5°	0.0	118.1	236.2	250.5	238.2
95°	0.0	103.9	215.8	228.1	215.8
97.5°	0.0	91.6	197.5	209.7	199.6
100°	0.0	81.5	181.2	193.5	183.3
102.5°	0.0	71.3	164.9	179.2	171.1
105°	0.0	65.2	150.7	164.9	158.8
107.5°	0.0	57.0	138.5	154.8	150.7
110°	0.0	50.9	126.3	144.6	140.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.8	114.0	134.4	130.3
115°	0.0	40.7	103.9	124.2	122.2
117.5°	0.0	36.7	95.7	114.0	114.0
120°	2.0	32.6	87.6	105.9	103.9
122.5°	2.0	28.5	77.4	95.7	93.7
125°	2.0	26.5	69.2	87.6	85.5
127.5°	2.0	22.4	63.1	77.4	75.3
130°	2.0	20.4	55.0	69.2	67.2
132.5°	2.0	16.3	48.9	61.1	59.1
135°	2.0	14.3	42.8	52.9	50.9
137.5°	2.0	12.2	36.7	46.8	44.8
140°	2.0	10.2	32.6	40.7	38.7
142.5°	2.0	8.1	26.5	34.6	32.6
145°	2.0	6.1	22.4	28.5	26.5
147.5°	2.0	4.1	18.3	24.4	22.4
150°	2.0	4.1	14.3	20.4	18.3
152.5°	2.0	4.1	12.2	16.3	12.2
155°	2.0	4.1	8.1	12.2	8.1
157.5°	2.0	4.1	6.1	8.1	6.1
160°	2.0	4.1	6.1	6.1	2.0
162.5°	2.0	4.1	4.1	2.0	0.0
165°	2.0	4.1	4.1	0.0	0.0
167.5°	2.0	4.1	4.1	0.0	0.0
170°	2.0	4.1	4.1	0.0	0.0
172.5°	2.0	4.1	4.1	0.0	0.0
175°	4.1	4.1	4.1	0.0	0.0
177.5°	2.0	4.1	2.0	0.0	0.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)