

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-LD5-94SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-94SL-LC-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

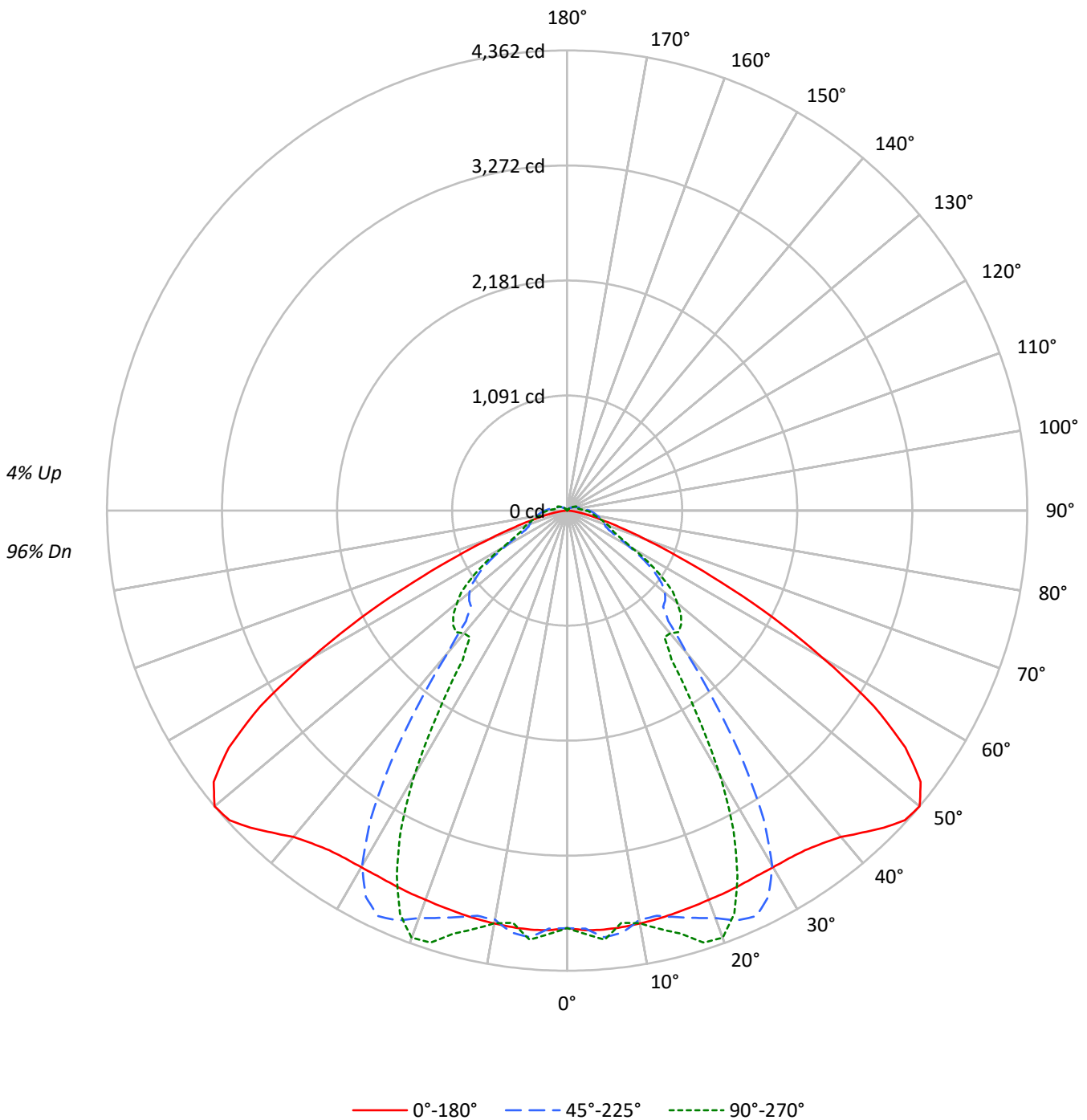
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9547.0 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
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	115	115	115	115	109	109	109	104	104	104	99	99	99	96				
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83				
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72				
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62				
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54				
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48				
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43				
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38				
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35				
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32				
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23242	23242	23242
5°	23453	22952	22737
10°	23604	21621	21194
15°	23867	21446	21402
20°	24329	21817	21665
25°	25063	22389	18879
30°	26122	20566	14205
35°	27728	15571	8438
40°	30370	9548	7466
45°	34503	7184	7619
50°	38791	6988	6934
55°	38804	6071	5734
60°	31702	4291	3884
65°	21256	2974	2818
70°	12404	2764	2543
75°	6940	2720	2159
80°	3965	2615	1844
85°	1962	2588	1814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.7	4.0
10°-20°	1147.7	12.0
20°-30°	1826.7	19.1
30°-40°	1861.6	19.5
40°-50°	1572.3	16.5
50°-60°	1212.0	12.7
60°-70°	626.1	6.6
70°-80°	345.9	3.6
80°-90°	220.2	2.3
90°-100°	135.5	1.4
100°-110°	87.3	0.9
110°-120°	63.4	0.7
120°-130°	36.6	0.4
130°-140°	17.7	0.2
140°-150°	7.4	0.1
150°-160°	2.6	0.0
160°-170°	0.9	0.0
170°-180°	0.3	0.0
0°-30°	3357.1	35.2
0°-40°	5218.8	54.7
0°-60°	8003.1	83.8
0°-90°	9195.3	96.3
90°-120°	286.2	3.0
90°-150°	347.8	3.6
90°-180°	352.0	3.7
0°-180°	9547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3959	3959	3959	3959	3959	
5°	3987	4001	4060	4099	4083	380
15°	3950	3953	3989	4132	4150	1119
25°	3910	3936	4242	4034	3820	1810
35°	3930	4116	2914	1981	1727	2481
45°	4250	2480	1287	1484	1529	3282
55°	3914	912	1006	1094	1094	3389
65°	1605	418	438	493	493	1656
75°	332	275	338	340	332	400
85°	37	179	252	244	232	50
90°	0	138	210	194	179	2
95°	0	108	167	147	134	0
105°	0	65	110	102	96	0
115°	2	39	79	96	94	1
125°	2	20	51	61	55	2
135°	2	10	28	35	28	2
145°	2	4	14	18	14	1
155°	2	2	6	8	4	1
165°	2	4	4	4	0	1
175°	4	4	4	4	0	0
180°	2	2	2	2	2	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3958.7	3958.7	3958.7	3958.7	3958.7
2.5°	3981.1	3966.8	3966.8	4017.7	4017.7
5°	3987.2	4001.4	4060.5	4099.2	4082.9
7.5°	3983.1	4048.3	4034.0	3977.0	3940.4
10°	3975.0	4072.7	3938.3	3977.0	3972.9
12.5°	3964.8	4036.1	3934.2	4070.7	4062.5
15°	3950.5	3952.6	3989.2	4131.8	4150.1
17.5°	3938.3	3899.6	4048.3	4239.7	4292.6
20°	3926.1	3883.3	4111.4	4331.3	4308.9
22.5°	3920.0	3897.6	4205.1	4262.1	4137.9
25°	3909.8	3936.3	4241.7	4034.0	3820.2
27.5°	3901.7	3981.1	4129.7	3645.1	3417.0
30°	3903.7	4044.2	3887.4	3188.9	2901.8
32.5°	3909.8	4105.3	3465.9	2578.0	2280.7
35°	3930.2	4115.5	2914.0	1981.4	1726.8
37.5°	3975.0	4003.5	2313.3	1568.0	1513.0
40°	4038.1	3665.4	1755.3	1464.1	1519.1
42.5°	4139.9	3097.3	1419.3	1480.4	1561.9
45°	4249.9	2480.3	1287.0	1484.5	1529.3
47.5°	4343.6	1830.7	1260.5	1429.5	1462.1
50°	4361.9	1378.6	1209.6	1342.0	1362.3
52.5°	4223.4	1089.5	1128.1	1225.9	1262.5
55°	3913.9	912.3	1006.0	1093.5	1093.5
57.5°	3447.6	773.8	845.1	928.6	920.4
60°	2806.1	637.4	674.0	724.9	712.7
62.5°	2207.4	511.1	523.3	578.3	586.5
65°	1604.6	417.5	437.8	492.8	492.8
67.5°	1126.1	356.4	395.1	446.0	450.0
70°	767.7	321.7	376.7	417.5	419.5
72.5°	523.3	297.3	358.4	380.8	374.7
75°	331.9	274.9	338.0	340.1	331.9
77.5°	215.9	250.5	317.7	301.4	295.3
80°	132.4	226.0	291.2	270.8	260.7
82.5°	75.3	201.6	270.8	256.6	246.4
85°	36.7	179.2	252.5	244.4	232.1
87.5°	14.3	158.8	232.1	219.9	207.7
90°	0.0	138.5	209.7	193.5	179.2
92.5°	0.0	122.2	187.3	167.0	154.8
95°	0.0	107.9	167.0	146.6	134.4
97.5°	0.0	95.7	148.7	130.3	116.1
100°	0.0	85.5	134.4	116.1	105.9
102.5°	0.0	75.3	120.1	107.9	101.8
105°	0.0	65.2	110.0	101.8	95.7
107.5°	0.0	57.0	99.8	97.7	93.7
110°	0.0	50.9	93.7	95.7	97.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.8	85.5	97.7	99.8
115°	2.0	38.7	79.4	95.7	93.7
117.5°	2.0	32.6	71.3	85.5	81.5
120°	2.0	28.5	65.2	77.4	71.3
122.5°	2.0	24.4	57.0	67.2	63.1
125°	2.0	20.4	50.9	61.1	55.0
127.5°	2.0	18.3	44.8	52.9	48.9
130°	2.0	16.3	38.7	46.8	42.8
132.5°	2.0	12.2	34.6	40.7	34.6
135°	2.0	10.2	28.5	34.6	28.5
137.5°	2.0	8.1	24.4	28.5	24.4
140°	2.0	6.1	20.4	24.4	20.4
142.5°	2.0	6.1	16.3	22.4	16.3
145°	2.0	4.1	14.3	18.3	14.3
147.5°	2.0	4.1	12.2	16.3	12.2
150°	2.0	4.1	10.2	14.3	8.1
152.5°	2.0	2.0	8.1	12.2	6.1
155°	2.0	2.0	6.1	8.1	4.1
157.5°	2.0	2.0	6.1	6.1	4.1
160°	2.0	2.0	6.1	6.1	2.0
162.5°	2.0	2.0	4.1	4.1	0.0
165°	2.0	4.1	4.1	4.1	0.0
167.5°	2.0	4.1	4.1	4.1	0.0
170°	2.0	4.1	4.1	4.1	0.0
172.5°	2.0	4.1	4.1	4.1	0.0
175°	4.1	4.1	4.1	4.1	0.0
177.5°	4.1	4.1	4.1	4.1	0.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)