

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-LD5-106SL-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-LD5-106SL-LC-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

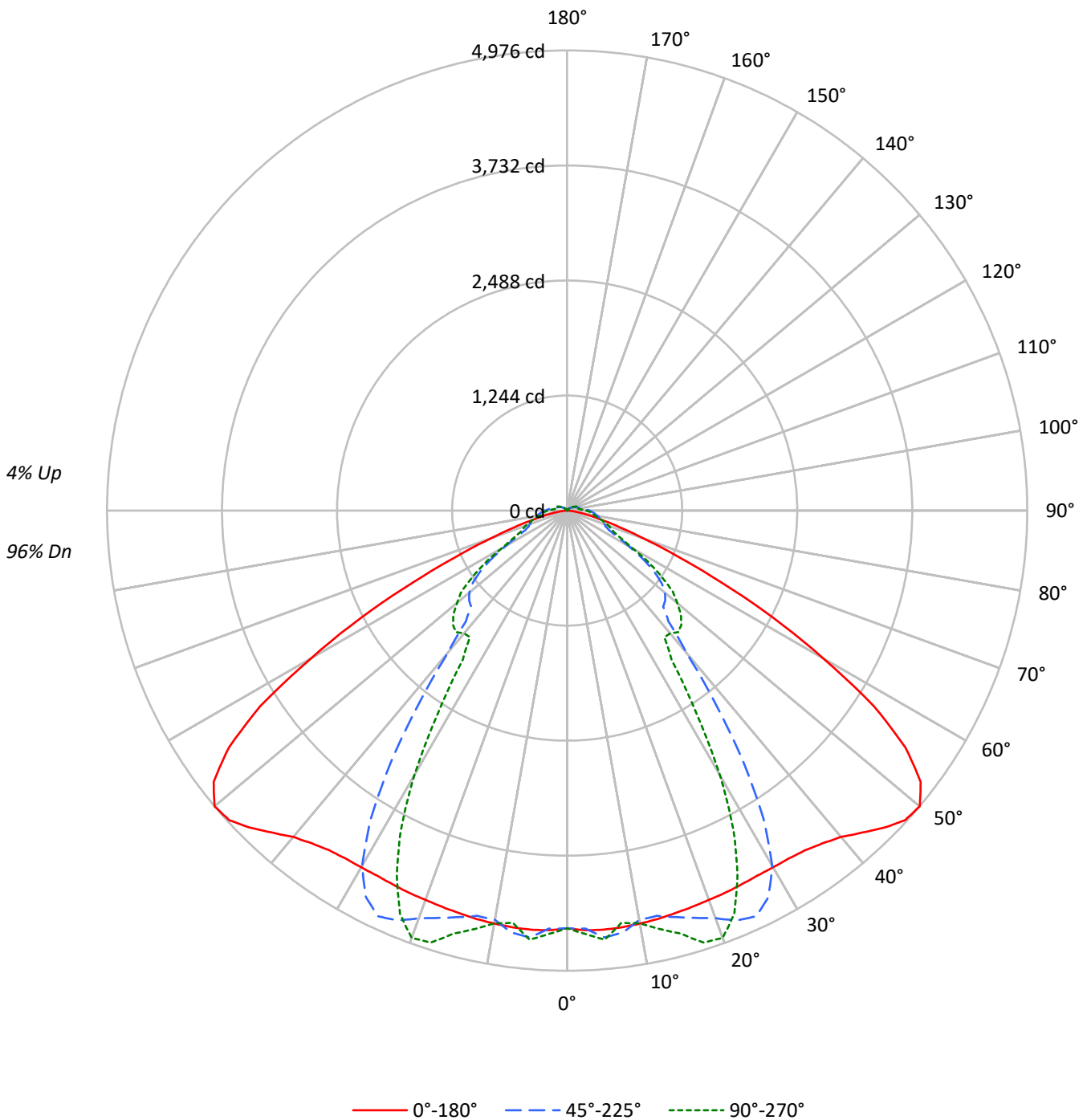
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10892.0 lumens
Efficiency: N/A
Efficacy: 136.7 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): 79.7
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	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°	26517	26517	26517
5°	26756	26186	25940
10°	26929	24667	24180
15°	27230	24468	24418
20°	27757	24891	24718
25°	28594	25543	21539
30°	29803	23464	16206
35°	31635	17765	9627
40°	34649	10893	8518
45°	39364	8196	8692
50°	44256	7973	7911
55°	44271	6926	6542
60°	36168	4896	4431
65°	24251	3393	3215
70°	14152	3154	2901
75°	7919	3103	2463
80°	4523	2984	2103
85°	2235	2953	2069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.6	4.0
10°-20°	1309.4	12.0
20°-30°	2084.0	19.1
30°-40°	2123.9	19.5
40°-50°	1793.9	16.5
50°-60°	1382.7	12.7
60°-70°	714.3	6.6
70°-80°	394.7	3.6
80°-90°	251.2	2.3
90°-100°	154.5	1.4
100°-110°	99.7	0.9
110°-120°	72.3	0.7
120°-130°	41.8	0.4
130°-140°	20.2	0.2
140°-150°	8.4	0.1
150°-160°	3.0	0.0
160°-170°	1.1	0.0
170°-180°	0.4	0.0
0°-30°	3830.1	35.2
0°-40°	5954.0	54.7
0°-60°	9130.6	83.8
0°-90°	10490.7	96.3
90°-120°	326.5	3.0
90°-150°	396.9	3.6
90°-180°	401.0	3.7
0°-180°	10892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4516	4516	4516	4516	4516	
5°	4549	4565	4632	4677	4658	434
15°	4507	4509	4551	4714	4735	1277
25°	4461	4491	4839	4602	4358	2065
35°	4484	4695	3325	2260	1970	2830
45°	4849	2830	1468	1694	1745	3745
55°	4465	1041	1148	1248	1248	3866
65°	1831	476	500	562	562	1889
75°	379	314	386	388	379	456
85°	42	204	288	279	265	57
90°	0	158	239	221	204	2
95°	0	123	190	167	153	0
105°	0	74	126	116	109	0
115°	2	44	91	109	107	1
125°	2	23	58	70	63	2
135°	2	12	32	40	32	2
145°	2	5	16	21	16	1
155°	2	2	7	9	5	1
165°	2	5	5	5	0	1
175°	5	5	5	5	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4516.4	4516.4	4516.4	4516.4	4516.4
2.5°	4541.9	4525.7	4525.7	4583.8	4583.8
5°	4548.9	4565.2	4632.5	4676.7	4658.1
7.5°	4544.3	4618.6	4602.3	4537.3	4495.5
10°	4535.0	4646.5	4493.2	4537.3	4532.6
12.5°	4523.4	4604.7	4488.5	4644.2	4634.9
15°	4507.1	4509.4	4551.2	4713.9	4734.8
17.5°	4493.2	4449.0	4618.6	4837.0	4897.4
20°	4479.2	4430.4	4690.6	4941.5	4916.0
22.5°	4472.2	4446.7	4797.5	4862.5	4720.8
25°	4460.6	4490.8	4839.3	4602.3	4358.4
27.5°	4451.3	4541.9	4711.5	4158.6	3898.4
30°	4453.7	4614.0	4435.1	3638.2	3310.6
32.5°	4460.6	4683.7	3954.2	2941.2	2602.0
35°	4483.9	4695.3	3324.6	2260.5	1970.1
37.5°	4535.0	4567.5	2639.2	1788.9	1726.2
40°	4607.0	4181.8	2002.6	1670.4	1733.1
42.5°	4723.2	3533.7	1619.3	1689.0	1781.9
45°	4848.6	2829.7	1468.3	1693.6	1744.8
47.5°	4955.5	2088.6	1438.1	1630.9	1668.1
50°	4976.4	1572.8	1380.0	1531.0	1554.2
52.5°	4818.4	1242.9	1287.1	1398.6	1440.4
55°	4465.3	1040.8	1147.7	1247.6	1247.6
57.5°	3933.3	882.8	964.1	1059.4	1050.1
60°	3201.4	727.2	769.0	827.1	813.1
62.5°	2518.4	583.1	597.1	659.8	669.1
65°	1830.7	476.3	499.5	562.2	562.2
67.5°	1284.8	406.6	450.7	508.8	513.4
70°	875.9	367.1	429.8	476.3	478.6
72.5°	597.1	339.2	408.9	434.4	427.5
75°	378.7	313.6	385.7	388.0	378.7
77.5°	246.3	285.8	362.4	343.8	336.9
80°	151.0	257.9	332.2	309.0	297.4
82.5°	86.0	230.0	309.0	292.7	281.1
85°	41.8	204.4	288.1	278.8	264.8
87.5°	16.3	181.2	264.8	250.9	237.0
90°	0.0	158.0	239.3	220.7	204.4
92.5°	0.0	139.4	213.7	190.5	176.6
95°	0.0	123.1	190.5	167.3	153.3
97.5°	0.0	109.2	169.6	148.7	132.4
100°	0.0	97.6	153.3	132.4	120.8
102.5°	0.0	86.0	137.1	123.1	116.2
105°	0.0	74.3	125.5	116.2	109.2
107.5°	0.0	65.1	113.8	111.5	106.9
110°	0.0	58.1	106.9	109.2	111.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	51.1	97.6	111.5	113.8
115°	2.3	44.1	90.6	109.2	106.9
117.5°	2.3	37.2	81.3	97.6	92.9
120°	2.3	32.5	74.3	88.3	81.3
122.5°	2.3	27.9	65.1	76.7	72.0
125°	2.3	23.2	58.1	69.7	62.7
127.5°	2.3	20.9	51.1	60.4	55.8
130°	2.3	18.6	44.1	53.4	48.8
132.5°	2.3	13.9	39.5	46.5	39.5
135°	2.3	11.6	32.5	39.5	32.5
137.5°	2.3	9.3	27.9	32.5	27.9
140°	2.3	7.0	23.2	27.9	23.2
142.5°	2.3	7.0	18.6	25.6	18.6
145°	2.3	4.6	16.3	20.9	16.3
147.5°	2.3	4.6	13.9	18.6	13.9
150°	2.3	4.6	11.6	16.3	9.3
152.5°	2.3	2.3	9.3	13.9	7.0
155°	2.3	2.3	7.0	9.3	4.6
157.5°	2.3	2.3	7.0	7.0	4.6
160°	2.3	2.3	7.0	7.0	2.3
162.5°	2.3	2.3	4.6	4.6	0.0
165°	2.3	4.6	4.6	4.6	0.0
167.5°	2.3	4.6	4.6	4.6	0.0
170°	2.3	4.6	4.6	4.6	0.0
172.5°	2.3	4.6	4.6	4.6	0.0
175°	4.6	4.6	4.6	4.6	0.0
177.5°	4.6	4.6	4.6	4.6	0.0
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)