

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-L830-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-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

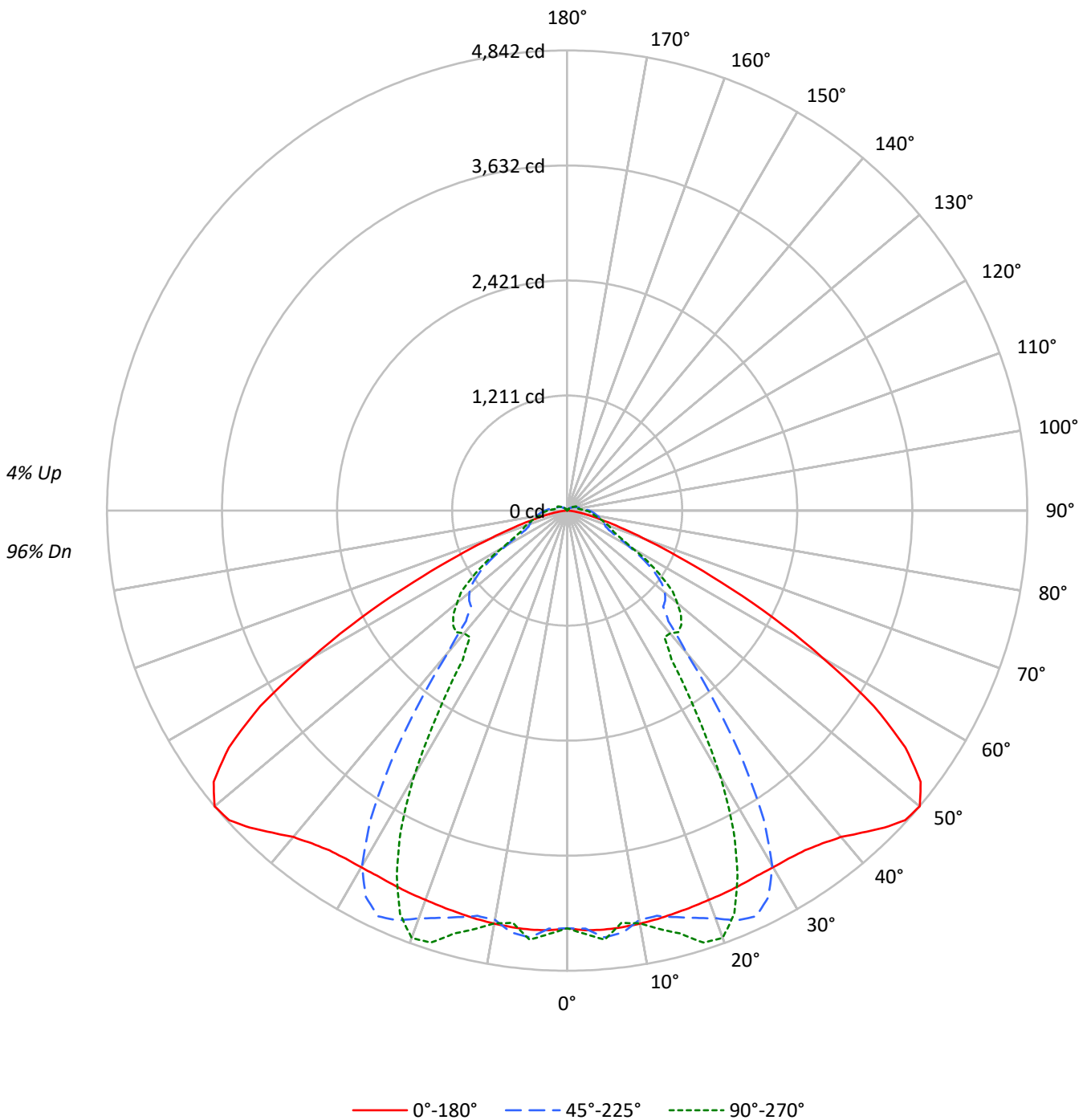
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10599.0 lumens
Efficiency: N/A
Efficacy: 133.0 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 (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	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25803	25803	25803
5°	26036	25481	25242
10°	26204	24003	23530
15°	26497	23810	23761
20°	27010	24221	24052
25°	27824	24856	20959
30°	29001	22833	15771
35°	30783	17287	9368
40°	33717	10600	8289
45°	38305	7976	8458
50°	43065	7759	7698
55°	43080	6740	6366
60°	35196	4764	4312
65°	23599	3302	3128
70°	13771	3069	2823
75°	7706	3020	2397
80°	4400	2904	2047
85°	2176	2873	2014



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.9	4.0
10°-20°	1274.2	12.0
20°-30°	2028.0	19.1
30°-40°	2066.8	19.5
40°-50°	1745.6	16.5
50°-60°	1345.5	12.7
60°-70°	695.1	6.6
70°-80°	384.1	3.6
80°-90°	244.4	2.3
90°-100°	150.4	1.4
100°-110°	97.0	0.9
110°-120°	70.4	0.7
120°-130°	40.6	0.4
130°-140°	19.6	0.2
140°-150°	8.2	0.1
150°-160°	2.9	0.0
160°-170°	1.0	0.0
170°-180°	0.4	0.0
0°-30°	3727.1	35.2
0°-40°	5793.9	54.7
0°-60°	8885.0	83.8
0°-90°	10208.5	96.3
90°-120°	317.7	3.0
90°-150°	386.2	3.6
90°-180°	391.0	3.7
0°-180°	10599.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4395	4395	4395	4395	4395	
5°	4426	4442	4508	4551	4533	422
15°	4386	4388	4429	4587	4607	1243
25°	4341	4370	4709	4478	4241	2010
35°	4363	4569	3235	2200	1917	2754
45°	4718	2754	1429	1648	1698	3644
55°	4345	1013	1117	1214	1214	3762
65°	1782	464	486	547	547	1838
75°	368	305	375	378	368	444
85°	41	199	280	271	258	56
90°	0	154	233	215	199	2
95°	0	120	185	163	149	0
105°	0	72	122	113	106	0
115°	2	43	88	106	104	1
125°	2	23	56	68	61	2
135°	2	11	32	38	32	2
145°	2	4	16	20	16	1
155°	2	2	7	9	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#

CATALOG NUMBER: 8SRL-LD5-106SL-LC-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4394.9	4394.9	4394.9	4394.9	4394.9
2.5°	4419.8	4403.9	4403.9	4460.5	4460.5
5°	4426.5	4442.4	4507.9	4550.9	4532.8
7.5°	4422.0	4494.4	4478.5	4415.2	4374.5
10°	4413.0	4521.5	4372.3	4415.2	4410.7
12.5°	4401.7	4480.8	4367.8	4519.2	4510.2
15°	4385.8	4388.1	4428.8	4587.1	4607.4
17.5°	4372.3	4329.3	4494.4	4706.9	4765.7
20°	4358.7	4311.2	4564.4	4808.6	4783.7
22.5°	4351.9	4327.1	4668.4	4731.7	4593.8
25°	4340.6	4370.0	4709.1	4478.5	4241.2
27.5°	4331.6	4419.8	4584.8	4046.7	3793.5
30°	4333.9	4489.8	4315.8	3540.3	3221.6
32.5°	4340.6	4557.7	3847.8	2862.1	2532.0
35°	4363.2	4569.0	3235.1	2199.7	1917.1
37.5°	4413.0	4444.6	2568.2	1740.8	1679.7
40°	4483.1	4069.3	1948.8	1625.5	1686.5
42.5°	4596.1	3438.6	1575.7	1643.6	1734.0
45°	4718.2	2753.6	1428.8	1648.1	1697.8
47.5°	4822.2	2032.4	1399.4	1587.0	1623.2
50°	4842.5	1530.5	1342.9	1489.8	1512.4
52.5°	4688.8	1209.5	1252.5	1361.0	1401.7
55°	4345.2	1012.8	1116.8	1214.0	1214.0
57.5°	3827.4	859.1	938.2	1030.9	1021.9
60°	3115.3	707.6	748.3	804.8	791.3
62.5°	2450.6	567.4	581.0	642.1	651.1
65°	1781.5	463.5	486.1	547.1	547.1
67.5°	1250.2	395.6	438.6	495.1	499.6
70°	852.3	357.2	418.2	463.5	465.7
72.5°	581.0	330.1	397.9	422.8	416.0
75°	368.5	305.2	375.3	377.5	368.5
77.5°	239.6	278.1	352.7	334.6	327.8
80°	146.9	250.9	323.3	300.7	289.4
82.5°	83.6	223.8	300.7	284.9	273.6
85°	40.7	198.9	280.3	271.3	257.7
87.5°	15.8	176.3	257.7	244.2	230.6
90°	0.0	153.7	232.9	214.8	198.9
92.5°	0.0	135.6	208.0	185.4	171.8
95°	0.0	119.8	185.4	162.8	149.2
97.5°	0.0	106.3	165.0	144.7	128.9
100°	0.0	95.0	149.2	128.9	117.6
102.5°	0.0	83.6	133.4	119.8	113.0
105°	0.0	72.3	122.1	113.0	106.3
107.5°	0.0	63.3	110.8	108.5	104.0
110°	0.0	56.5	104.0	106.3	108.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	49.7	95.0	108.5	110.8
115°	2.3	43.0	88.2	106.3	104.0
117.5°	2.3	36.2	79.1	95.0	90.4
120°	2.3	31.7	72.3	85.9	79.1
122.5°	2.3	27.1	63.3	74.6	70.1
125°	2.3	22.6	56.5	67.8	61.0
127.5°	2.3	20.3	49.7	58.8	54.3
130°	2.3	18.1	43.0	52.0	47.5
132.5°	2.3	13.6	38.4	45.2	38.4
135°	2.3	11.3	31.7	38.4	31.7
137.5°	2.3	9.0	27.1	31.7	27.1
140°	2.3	6.8	22.6	27.1	22.6
142.5°	2.3	6.8	18.1	24.9	18.1
145°	2.3	4.5	15.8	20.3	15.8
147.5°	2.3	4.5	13.6	18.1	13.6
150°	2.3	4.5	11.3	15.8	9.0
152.5°	2.3	2.3	9.0	13.6	6.8
155°	2.3	2.3	6.8	9.0	4.5
157.5°	2.3	2.3	6.8	6.8	4.5
160°	2.3	2.3	6.8	6.8	2.3
162.5°	2.3	2.3	4.5	4.5	0.0
165°	2.3	4.5	4.5	4.5	0.0
167.5°	2.3	4.5	4.5	4.5	0.0
170°	2.3	4.5	4.5	4.5	0.0
172.5°	2.3	4.5	4.5	4.5	0.0
175°	4.5	4.5	4.5	4.5	0.0
177.5°	4.5	4.5	4.5	4.5	0.0
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)