

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-LD5-74SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-74SL-LN-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

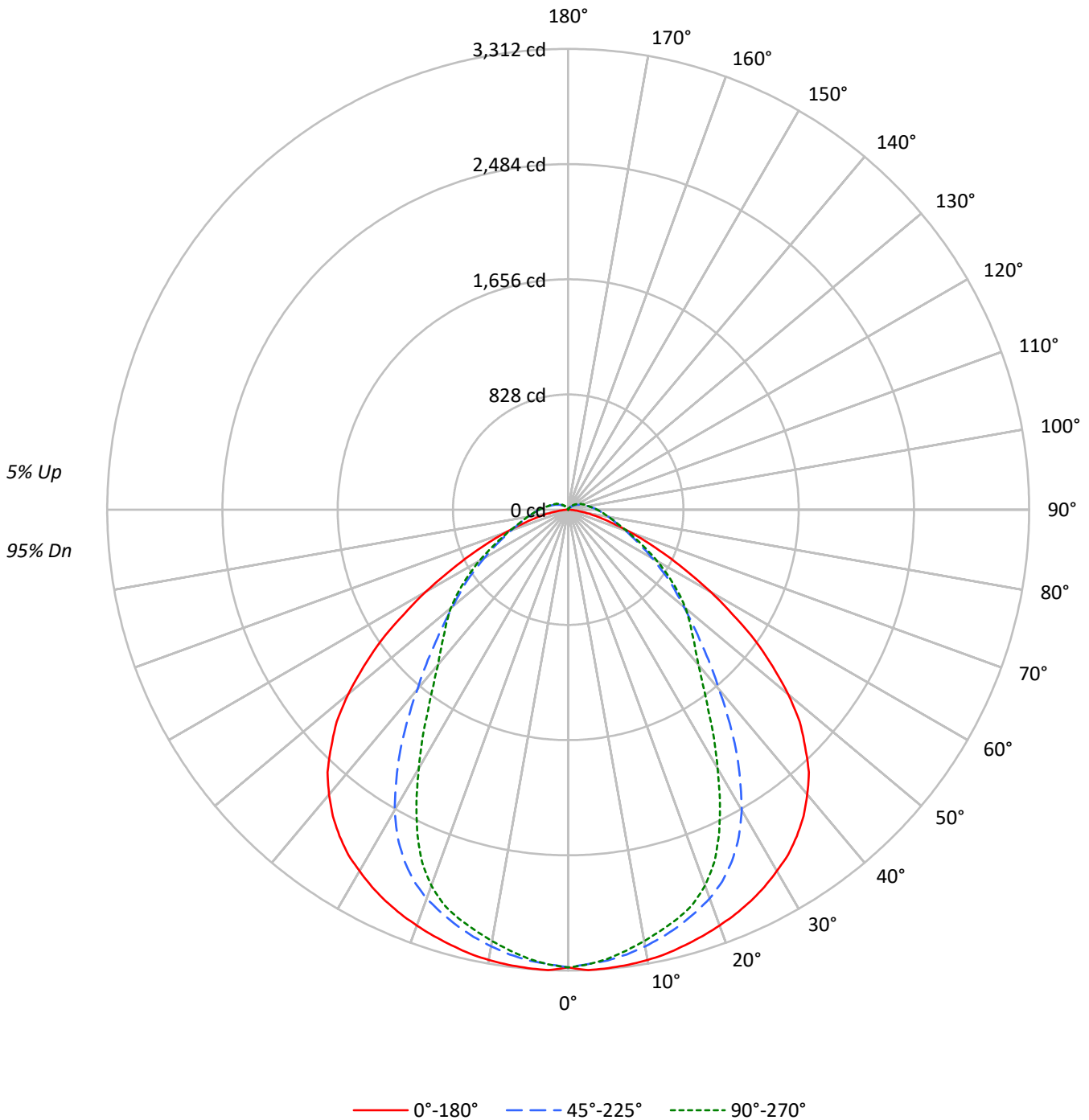
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7521.0 lumens
Efficiency: N/A
Efficacy: 140.3 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): 53.6
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	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°	19313	19313	19313
5°	19455	18382	18045
10°	19514	17493	16798
15°	19577	16629	15690
20°	19705	15780	14458
25°	19891	14703	12682
30°	20063	13196	10503
35°	20206	11229	8565
40°	20100	9169	7143
45°	19545	7518	6278
50°	18353	6250	5606
55°	16290	5343	4814
60°	13349	4439	4022
65°	10342	3724	3294
70°	7642	3194	2729
75°	5441	2831	2320
80°	3774	2631	2071
85°	2364	2516	1931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.9	4.1
10°-20°	880.2	11.7
20°-30°	1286.1	17.1
30°-40°	1373.6	18.3
40°-50°	1210.5	16.1
50°-60°	919.1	12.2
60°-70°	586.0	7.8
70°-80°	349.5	4.6
80°-90°	219.6	2.9
90°-100°	145.3	1.9
100°-110°	98.8	1.3
110°-120°	66.4	0.9
120°-130°	41.0	0.5
130°-140°	21.7	0.3
140°-150°	9.4	0.1
150°-160°	3.0	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	2476.2	32.9
0°-40°	3849.8	51.2
0°-60°	5979.5	79.5
0°-90°	7134.5	94.9
90°-120°	310.5	4.1
90°-150°	382.7	5.1
90°-180°	386.0	5.1
0°-180°	7521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3290	3290	3290	3290	3290	
5°	3308	3283	3252	3262	3240	315
15°	3240	3180	3093	3072	3042	916
25°	3103	2964	2786	2651	2566	1432
35°	2864	2553	2101	1838	1753	1789
45°	2407	1812	1347	1268	1260	1851
55°	1643	1028	885	916	918	1454
65°	781	529	548	581	576	788
75°	260	268	352	368	357	290
85°	44	146	246	259	247	54
90°	2	110	208	218	208	3
95°	0	84	174	183	174	0
105°	0	52	121	133	128	0
115°	0	33	84	100	98	0
125°	2	21	56	70	69	1
135°	2	12	34	43	41	1
145°	2	5	18	23	21	1
155°	2	3	6	10	6	1
165°	2	3	3	0	0	0
175°	3	3	3	0	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3289.5	3289.5	3289.5	3289.5	3289.5
2.5°	3312.4	3292.8	3268.3	3284.6	3271.5
5°	3307.5	3283.0	3251.9	3261.7	3240.4
7.5°	3299.4	3268.3	3224.1	3220.8	3196.2
10°	3286.3	3245.3	3186.4	3175.0	3148.8
12.5°	3268.3	3217.5	3143.9	3125.9	3094.8
15°	3240.4	3179.9	3093.1	3071.9	3042.4
17.5°	3212.6	3137.3	3035.9	3009.7	2975.3
20°	3179.9	3088.2	2973.7	2918.0	2875.5
22.5°	3145.5	3032.6	2891.8	2798.6	2742.9
25°	3103.0	2963.9	2785.5	2651.3	2566.2
27.5°	3055.5	2891.8	2654.5	2461.4	2360.0
30°	2998.2	2795.3	2494.2	2251.9	2145.6
32.5°	2940.9	2690.5	2297.8	2045.7	1949.2
35°	2864.0	2553.1	2101.4	1837.9	1752.8
37.5°	2777.3	2399.2	1887.0	1652.9	1590.8
40°	2672.5	2219.2	1685.7	1499.1	1453.3
42.5°	2559.6	2021.2	1510.6	1374.7	1350.2
45°	2407.4	1811.7	1346.9	1268.4	1260.2
47.5°	2256.8	1602.2	1207.8	1175.1	1180.0
50°	2063.7	1394.4	1081.8	1093.2	1101.4
52.5°	1851.0	1202.9	978.7	1003.2	1009.8
55°	1643.1	1027.8	885.4	916.5	918.1
57.5°	1400.9	873.9	783.9	831.4	826.5
60°	1181.6	738.1	697.2	734.8	738.1
62.5°	965.6	626.8	620.3	653.0	651.4
65°	780.7	528.6	548.3	581.0	576.1
67.5°	620.3	441.9	487.7	515.5	504.1
70°	473.0	374.8	435.3	456.6	450.1
72.5°	355.1	317.5	389.5	409.1	397.7
75°	260.2	268.4	351.9	368.2	356.8
77.5°	186.6	230.8	322.4	332.2	324.0
80°	126.0	196.4	292.9	306.0	292.9
82.5°	80.2	168.6	268.4	279.9	268.4
85°	44.2	145.7	245.5	258.6	247.1
87.5°	19.6	126.0	225.8	237.3	227.5
90°	1.6	109.7	207.8	217.7	207.8
92.5°	0.0	94.9	189.8	201.3	191.5
95°	0.0	83.5	173.5	183.3	173.5
97.5°	0.0	73.6	158.7	168.6	160.4
100°	0.0	65.5	145.7	155.5	147.3
102.5°	0.0	57.3	132.6	144.0	137.5
105°	0.0	52.4	121.1	132.6	127.7
107.5°	0.0	45.8	111.3	124.4	121.1
110°	0.0	40.9	101.5	116.2	112.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.6	91.6	108.0	104.7
115°	0.0	32.7	83.5	99.8	98.2
117.5°	0.0	29.5	76.9	91.6	91.6
120°	1.6	26.2	70.4	85.1	83.5
122.5°	1.6	22.9	62.2	76.9	75.3
125°	1.6	21.3	55.6	70.4	68.7
127.5°	1.6	18.0	50.7	62.2	60.6
130°	1.6	16.4	44.2	55.6	54.0
132.5°	1.6	13.1	39.3	49.1	47.5
135°	1.6	11.5	34.4	42.6	40.9
137.5°	1.6	9.8	29.5	37.6	36.0
140°	1.6	8.2	26.2	32.7	31.1
142.5°	1.6	6.5	21.3	27.8	26.2
145°	1.6	4.9	18.0	22.9	21.3
147.5°	1.6	3.3	14.7	19.6	18.0
150°	1.6	3.3	11.5	16.4	14.7
152.5°	1.6	3.3	9.8	13.1	9.8
155°	1.6	3.3	6.5	9.8	6.5
157.5°	1.6	3.3	4.9	6.5	4.9
160°	1.6	3.3	4.9	4.9	1.6
162.5°	1.6	3.3	3.3	1.6	0.0
165°	1.6	3.3	3.3	0.0	0.0
167.5°	1.6	3.3	3.3	0.0	0.0
170°	1.6	3.3	3.3	0.0	0.0
172.5°	1.6	3.3	3.3	0.0	0.0
175°	3.3	3.3	3.3	0.0	0.0
177.5°	1.6	3.3	1.6	0.0	0.0
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)