

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-LD5-75SL-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-LD5-75SL-LC-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

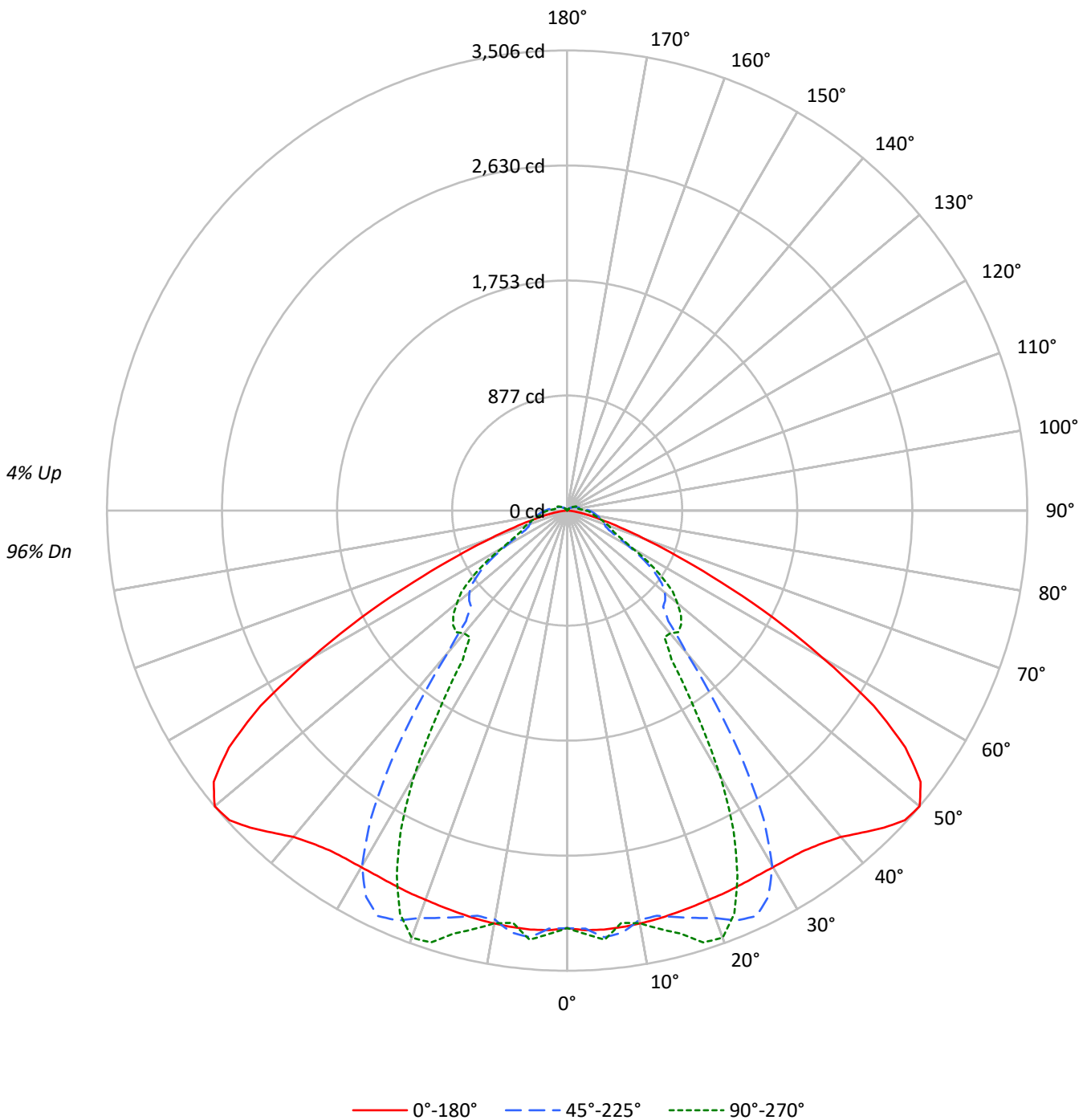
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7673.0 lumens
Efficiency: N/A
Efficacy: 143.2 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): 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	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°	18680	18680	18680
5°	18849	18447	18274
10°	18970	17377	17034
15°	19183	17237	17201
20°	19553	17535	17412
25°	20143	17994	15173
30°	20995	16529	11417
35°	22285	12514	6782
40°	24409	7674	6001
45°	27731	5774	6123
50°	31177	5617	5573
55°	31187	4879	4609
60°	25480	3449	3122
65°	17084	2390	2265
70°	9969	2222	2044
75°	5579	2186	1735
80°	3187	2102	1482
85°	1577	2080	1458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.6	4.0
10°-20°	922.5	12.0
20°-30°	1468.1	19.1
30°-40°	1496.2	19.5
40°-50°	1263.7	16.5
50°-60°	974.1	12.7
60°-70°	503.2	6.6
70°-80°	278.0	3.6
80°-90°	176.9	2.3
90°-100°	108.9	1.4
100°-110°	70.2	0.9
110°-120°	50.9	0.7
120°-130°	29.4	0.4
130°-140°	14.2	0.2
140°-150°	6.0	0.1
150°-160°	2.1	0.0
160°-170°	0.7	0.0
170°-180°	0.3	0.0
0°-30°	2698.2	35.2
0°-40°	4194.4	54.7
0°-60°	6432.2	83.8
0°-90°	7390.3	96.3
90°-120°	230.0	3.0
90°-150°	279.6	3.6
90°-180°	283.0	3.7
0°-180°	7673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3182	3182	3182	3182	3182	
5°	3204	3216	3264	3294	3282	305
15°	3175	3177	3206	3321	3336	900
25°	3142	3164	3409	3242	3070	1455
35°	3159	3308	2342	1592	1388	1994
45°	3416	1993	1034	1193	1229	2638
55°	3146	733	808	879	879	2724
65°	1290	336	352	396	396	1331
75°	267	221	272	273	267	321
85°	30	144	203	196	187	41
90°	0	111	169	156	144	2
95°	0	87	134	118	108	0
105°	0	52	88	82	77	0
115°	2	31	64	77	75	1
125°	2	16	41	49	44	1
135°	2	8	23	28	23	1
145°	2	3	12	15	12	1
155°	2	2	5	6	3	1
165°	2	3	3	3	0	0
175°	3	3	3	3	0	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 8SRL-LD5-75SL-LC-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3181.6	3181.6	3181.6	3181.6	3181.6
2.5°	3199.6	3188.2	3188.2	3229.1	3229.1
5°	3204.5	3216.0	3263.5	3294.5	3281.5
7.5°	3201.3	3253.6	3242.2	3196.4	3166.9
10°	3194.7	3273.3	3165.3	3196.4	3193.1
12.5°	3186.5	3243.8	3162.0	3271.6	3265.1
15°	3175.1	3176.7	3206.2	3320.7	3335.5
17.5°	3165.3	3134.2	3253.6	3407.5	3450.0
20°	3155.4	3121.1	3304.4	3481.1	3463.1
22.5°	3150.5	3132.5	3379.7	3425.5	3325.6
25°	3142.3	3163.6	3409.1	3242.2	3070.3
27.5°	3135.8	3199.6	3319.1	2929.6	2746.3
30°	3137.4	3250.4	3124.3	2563.0	2332.2
32.5°	3142.3	3299.5	2785.6	2072.0	1833.0
35°	3158.7	3307.6	2342.0	1592.4	1387.9
37.5°	3194.7	3217.6	1859.2	1260.2	1216.0
40°	3245.5	2945.9	1410.8	1176.7	1220.9
42.5°	3327.3	2489.3	1140.7	1189.8	1255.3
45°	3415.7	1993.4	1034.4	1193.1	1229.1
47.5°	3490.9	1471.3	1013.1	1148.9	1175.1
50°	3505.7	1108.0	972.2	1078.5	1094.9
52.5°	3394.4	875.6	906.7	985.3	1014.7
55°	3145.6	733.2	808.5	878.9	878.9
57.5°	2770.8	621.9	679.2	746.3	739.8
60°	2255.3	512.3	541.7	582.6	572.8
62.5°	1774.1	410.8	420.6	464.8	471.4
65°	1289.7	335.5	351.9	396.1	396.1
67.5°	905.1	286.4	317.5	358.4	361.7
70°	617.0	258.6	302.8	335.5	337.1
72.5°	420.6	238.9	288.0	306.1	301.1
75°	266.8	220.9	271.7	273.3	266.8
77.5°	173.5	201.3	255.3	242.2	237.3
80°	106.4	181.7	234.0	217.7	209.5
82.5°	60.6	162.0	217.7	206.2	198.0
85°	29.5	144.0	202.9	196.4	186.6
87.5°	11.5	127.7	186.6	176.8	166.9
90°	0.0	111.3	168.6	155.5	144.0
92.5°	0.0	98.2	150.6	134.2	124.4
95°	0.0	86.7	134.2	117.8	108.0
97.5°	0.0	76.9	119.5	104.7	93.3
100°	0.0	68.7	108.0	93.3	85.1
102.5°	0.0	60.6	96.6	86.7	81.8
105°	0.0	52.4	88.4	81.8	76.9
107.5°	0.0	45.8	80.2	78.6	75.3
110°	0.0	40.9	75.3	76.9	78.6



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.0	68.7	78.6	80.2
115°	1.6	31.1	63.8	76.9	75.3
117.5°	1.6	26.2	57.3	68.7	65.5
120°	1.6	22.9	52.4	62.2	57.3
122.5°	1.6	19.6	45.8	54.0	50.7
125°	1.6	16.4	40.9	49.1	44.2
127.5°	1.6	14.7	36.0	42.6	39.3
130°	1.6	13.1	31.1	37.6	34.4
132.5°	1.6	9.8	27.8	32.7	27.8
135°	1.6	8.2	22.9	27.8	22.9
137.5°	1.6	6.5	19.6	22.9	19.6
140°	1.6	4.9	16.4	19.6	16.4
142.5°	1.6	4.9	13.1	18.0	13.1
145°	1.6	3.3	11.5	14.7	11.5
147.5°	1.6	3.3	9.8	13.1	9.8
150°	1.6	3.3	8.2	11.5	6.5
152.5°	1.6	1.6	6.5	9.8	4.9
155°	1.6	1.6	4.9	6.5	3.3
157.5°	1.6	1.6	4.9	4.9	3.3
160°	1.6	1.6	4.9	4.9	1.6
162.5°	1.6	1.6	3.3	3.3	0.0
165°	1.6	3.3	3.3	3.3	0.0
167.5°	1.6	3.3	3.3	3.3	0.0
170°	1.6	3.3	3.3	3.3	0.0
172.5°	1.6	3.3	3.3	3.3	0.0
175°	3.3	3.3	3.3	3.3	0.0
177.5°	3.3	3.3	3.3	3.3	0.0
180°	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)