

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-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-LD5-75SL-LC-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

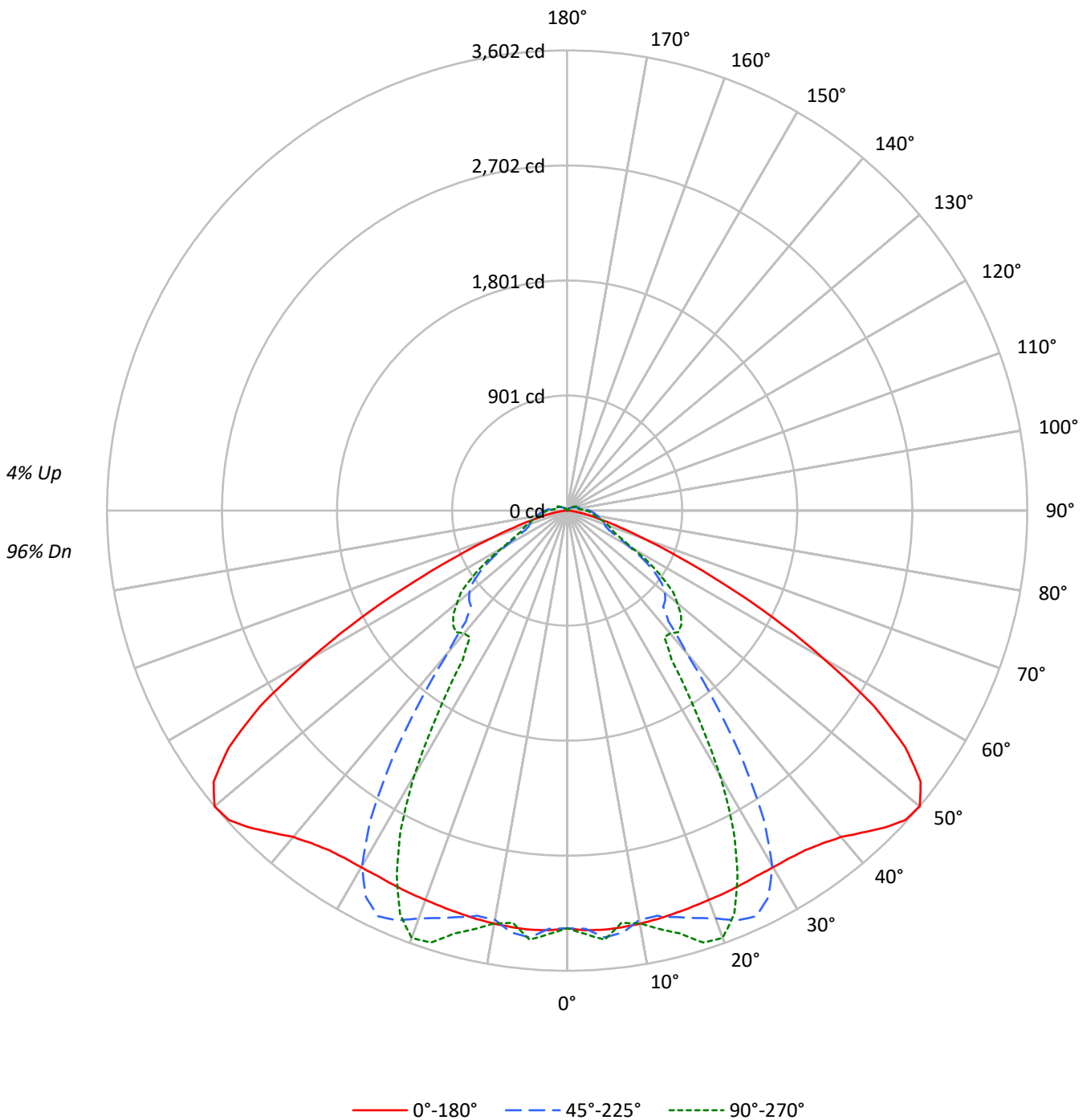
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7885.0 lumens
Efficiency: N/A
Efficacy: 147.1 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	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°	19196	19196	19196
5°	19370	18956	18779
10°	19494	17857	17505
15°	19712	17713	17676
20°	20094	18019	17894
25°	20700	18492	15593
30°	21575	16986	11732
35°	22901	12860	6969
40°	25083	7886	6167
45°	28496	5933	6293
50°	32037	5772	5727
55°	32048	5014	4736
60°	26184	3544	3208
65°	17556	2456	2327
70°	10245	2283	2101
75°	5732	2246	1783
80°	3274	2160	1523
85°	1620	2138	1498



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.1	4.0
10°-20°	947.9	12.0
20°-30°	1508.7	19.1
30°-40°	1537.6	19.5
40°-50°	1298.6	16.5
50°-60°	1001.0	12.7
60°-70°	517.1	6.6
70°-80°	285.7	3.6
80°-90°	181.8	2.3
90°-100°	111.9	1.4
100°-110°	72.1	0.9
110°-120°	52.3	0.7
120°-130°	30.2	0.4
130°-140°	14.6	0.2
140°-150°	6.1	0.1
150°-160°	2.2	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	2772.7	35.2
0°-40°	4310.3	54.7
0°-60°	6609.9	83.8
0°-90°	7594.5	96.3
90°-120°	236.3	3.0
90°-150°	287.3	3.6
90°-180°	290.0	3.7
0°-180°	7885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3270	3270	3270	3270	3270	
5°	3293	3305	3354	3386	3372	314
15°	3263	3264	3295	3412	3428	924
25°	3229	3251	3503	3332	3155	1495
35°	3246	3399	2407	1636	1426	2049
45°	3510	2048	1063	1226	1263	2711
55°	3232	754	831	903	903	2799
65°	1325	345	362	407	407	1367
75°	274	227	279	281	274	330
85°	30	148	209	202	192	42
90°	0	114	173	160	148	2
95°	0	89	138	121	111	0
105°	0	54	91	84	79	0
115°	2	32	66	79	77	1
125°	2	17	42	50	45	2
135°	2	8	24	29	24	1
145°	2	3	12	15	12	1
155°	2	2	5	7	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3269.5	3269.5	3269.5	3269.5	3269.5
2.5°	3288.0	3276.3	3276.3	3318.3	3318.3
5°	3293.1	3304.8	3353.6	3385.6	3372.1
7.5°	3289.7	3343.5	3331.8	3284.7	3254.4
10°	3283.0	3363.7	3252.7	3284.7	3281.3
12.5°	3274.6	3333.4	3249.3	3362.0	3355.3
15°	3262.8	3264.5	3294.8	3412.5	3427.6
17.5°	3252.7	3220.8	3343.5	3501.6	3545.4
20°	3242.6	3207.3	3395.7	3577.3	3558.8
22.5°	3237.6	3219.1	3473.0	3520.1	3417.5
25°	3229.2	3251.0	3503.3	3331.8	3155.2
27.5°	3222.4	3288.0	3410.8	3010.5	2822.2
30°	3224.1	3340.2	3210.7	2633.8	2396.6
32.5°	3229.2	3390.6	2862.5	2129.2	1883.7
35°	3246.0	3399.0	2406.7	1636.4	1426.2
37.5°	3283.0	3306.5	1910.6	1295.0	1249.6
40°	3335.1	3027.3	1449.8	1209.3	1254.7
42.5°	3419.2	2558.1	1172.3	1222.7	1290.0
45°	3510.0	2048.5	1062.9	1226.1	1263.1
47.5°	3587.4	1512.0	1041.1	1180.7	1207.6
50°	3602.5	1138.6	999.0	1108.3	1125.2
52.5°	3488.2	899.8	931.7	1012.5	1042.8
55°	3232.5	753.5	830.8	903.2	903.2
57.5°	2847.4	639.1	698.0	766.9	760.2
60°	2317.6	526.4	556.7	598.7	588.6
62.5°	1823.1	422.1	432.2	477.6	484.4
65°	1325.3	344.8	361.6	407.0	407.0
67.5°	930.1	294.3	326.3	368.3	371.7
70°	634.1	265.7	311.1	344.8	346.5
72.5°	432.2	245.6	296.0	314.5	309.5
75°	274.1	227.1	279.2	280.9	274.1
77.5°	178.3	206.9	262.4	248.9	243.9
80°	109.3	186.7	240.5	223.7	215.3
82.5°	62.2	166.5	223.7	211.9	203.5
85°	30.3	148.0	208.6	201.8	191.7
87.5°	11.8	131.2	191.7	181.6	171.5
90°	0.0	114.4	173.2	159.8	148.0
92.5°	0.0	100.9	154.7	137.9	127.8
95°	0.0	89.1	137.9	121.1	111.0
97.5°	0.0	79.0	122.8	107.6	95.9
100°	0.0	70.6	111.0	95.9	87.5
102.5°	0.0	62.2	99.2	89.1	84.1
105°	0.0	53.8	90.8	84.1	79.0
107.5°	0.0	47.1	82.4	80.7	77.4
110°	0.0	42.0	77.4	79.0	80.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.0	70.6	80.7	82.4
115°	1.7	32.0	65.6	79.0	77.4
117.5°	1.7	26.9	58.9	70.6	67.3
120°	1.7	23.5	53.8	63.9	58.9
122.5°	1.7	20.2	47.1	55.5	52.1
125°	1.7	16.8	42.0	50.5	45.4
127.5°	1.7	15.1	37.0	43.7	40.4
130°	1.7	13.5	32.0	38.7	35.3
132.5°	1.7	10.1	28.6	33.6	28.6
135°	1.7	8.4	23.5	28.6	23.5
137.5°	1.7	6.7	20.2	23.5	20.2
140°	1.7	5.0	16.8	20.2	16.8
142.5°	1.7	5.0	13.5	18.5	13.5
145°	1.7	3.4	11.8	15.1	11.8
147.5°	1.7	3.4	10.1	13.5	10.1
150°	1.7	3.4	8.4	11.8	6.7
152.5°	1.7	1.7	6.7	10.1	5.0
155°	1.7	1.7	5.0	6.7	3.4
157.5°	1.7	1.7	5.0	5.0	3.4
160°	1.7	1.7	5.0	5.0	1.7
162.5°	1.7	1.7	3.4	3.4	0.0
165°	1.7	3.4	3.4	3.4	0.0
167.5°	1.7	3.4	3.4	3.4	0.0
170°	1.7	3.4	3.4	3.4	0.0
172.5°	1.7	3.4	3.4	3.4	0.0
175°	3.4	3.4	3.4	3.4	0.0
177.5°	3.4	3.4	3.4	3.4	0.0
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)