

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-L835-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-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

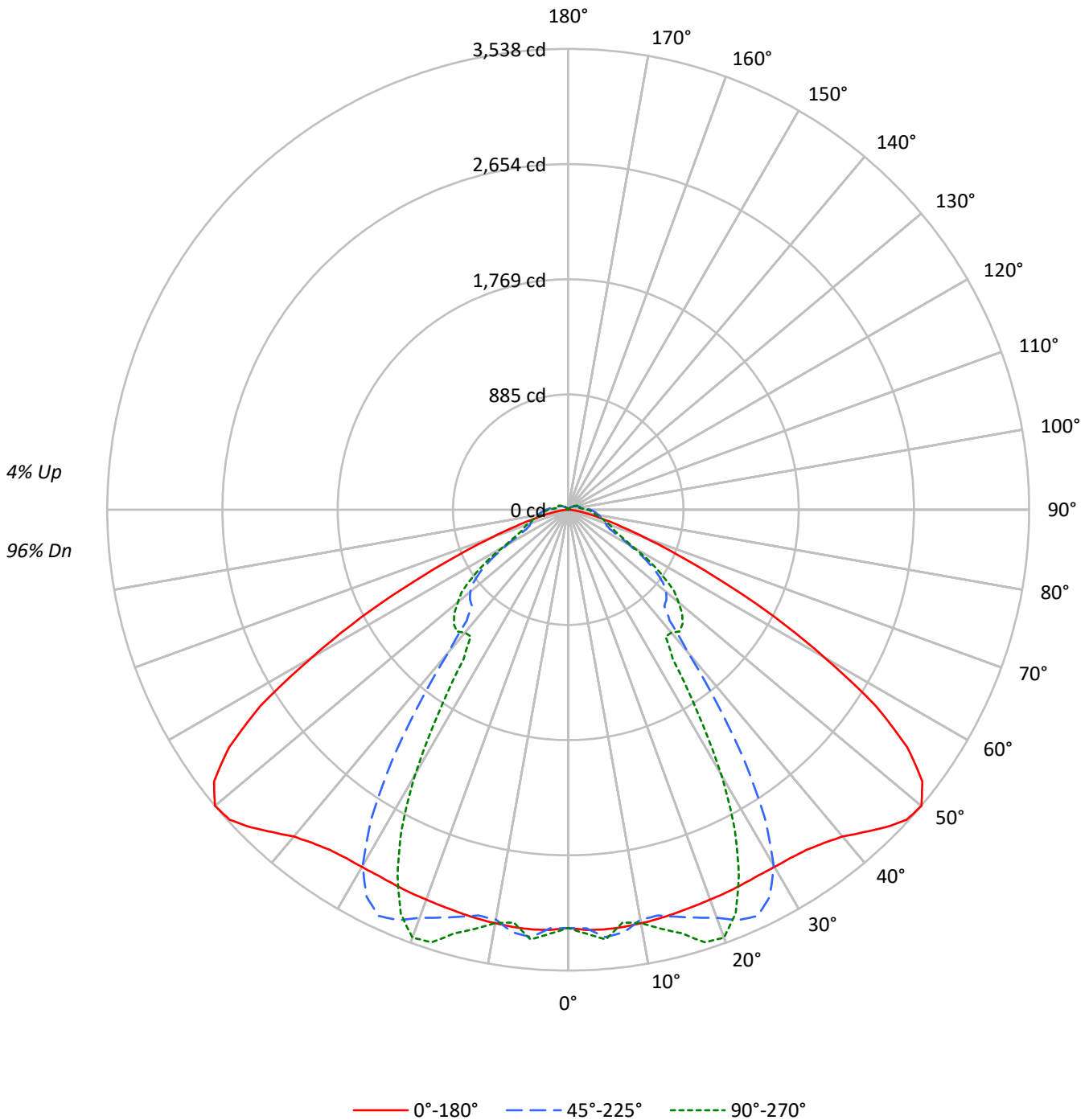
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7744.0 lumens
Efficiency: N/A
Efficacy: 144.5 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°	18853	18853	18853
5°	19023	18618	18443
10°	19146	17537	17192
15°	19360	17396	17360
20°	19734	17697	17574
25°	20329	18161	15313
30°	21189	16682	11522
35°	22491	12630	6844
40°	24635	7745	6056
45°	27987	5827	6180
50°	31465	5669	5624
55°	31475	4924	4651
60°	25716	3481	3150
65°	17242	2412	2285
70°	10061	2243	2063
75°	5629	2206	1751
80°	3217	2121	1495
85°	1588	2099	1472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	4.0
10°-20°	931.0	12.0
20°-30°	1481.7	19.1
30°-40°	1510.1	19.5
40°-50°	1275.4	16.5
50°-60°	983.1	12.7
60°-70°	507.8	6.6
70°-80°	280.6	3.6
80°-90°	178.6	2.3
90°-100°	109.9	1.4
100°-110°	70.9	0.9
110°-120°	51.4	0.7
120°-130°	29.7	0.4
130°-140°	14.3	0.2
140°-150°	6.0	0.1
150°-160°	2.1	0.0
160°-170°	0.8	0.0
170°-180°	0.3	0.0
0°-30°	2723.1	35.2
0°-40°	4233.2	54.7
0°-60°	6491.7	83.8
0°-90°	7458.7	96.3
90°-120°	232.1	3.0
90°-150°	282.2	3.6
90°-180°	285.0	3.7
0°-180°	7744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3211	3211	3211	3211	3211	
5°	3234	3246	3294	3325	3312	308
15°	3204	3206	3236	3352	3366	908
25°	3171	3193	3441	3272	3099	1468
35°	3188	3338	2364	1607	1401	2012
45°	3447	2012	1044	1204	1240	2662
55°	3175	740	816	887	887	2749
65°	1302	339	355	400	400	1343
75°	269	223	274	276	269	324
85°	30	145	205	198	188	41
90°	0	112	170	157	145	2
95°	0	88	135	119	109	0
105°	0	53	89	83	78	0
115°	2	31	64	78	76	1
125°	2	16	41	50	45	2
135°	2	8	23	28	23	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°	3211.1	3211.1	3211.1	3211.1	3211.1
2.5°	3229.2	3217.7	3217.7	3259.0	3259.0
5°	3234.2	3245.7	3293.7	3325.0	3311.8
7.5°	3230.9	3283.7	3272.2	3225.9	3196.2
10°	3224.3	3303.6	3194.5	3225.9	3222.6
12.5°	3216.0	3273.8	3191.2	3301.9	3295.3
15°	3204.5	3206.1	3235.8	3351.5	3366.3
17.5°	3194.5	3163.2	3283.7	3439.0	3482.0
20°	3184.6	3149.9	3334.9	3513.3	3495.2
22.5°	3179.7	3161.5	3410.9	3457.2	3356.4
25°	3171.4	3192.9	3440.7	3272.2	3098.7
27.5°	3164.8	3229.2	3349.8	2956.7	2771.7
30°	3166.5	3280.4	3153.2	2586.7	2353.8
32.5°	3171.4	3330.0	2811.3	2091.2	1850.0
35°	3187.9	3338.2	2363.7	1607.2	1400.7
37.5°	3224.3	3247.4	1876.4	1271.9	1227.3
40°	3275.5	2973.2	1423.8	1187.6	1232.2
42.5°	3358.1	2512.4	1151.3	1200.8	1266.9
45°	3447.3	2011.9	1043.9	1204.1	1240.5
47.5°	3523.2	1485.0	1022.5	1159.6	1186.0
50°	3538.1	1118.3	981.2	1088.5	1105.0
52.5°	3425.8	883.7	915.1	994.4	1024.1
55°	3174.7	740.0	816.0	887.0	887.0
57.5°	2796.5	627.7	685.5	753.2	746.6
60°	2276.2	517.0	546.7	588.0	578.1
62.5°	1790.5	414.6	424.5	469.1	475.7
65°	1301.6	338.6	355.1	399.7	399.7
67.5°	913.4	289.1	320.4	361.7	365.0
70°	622.7	261.0	305.6	338.6	340.3
72.5°	424.5	241.2	290.7	308.9	303.9
75°	269.2	223.0	274.2	275.8	269.2
77.5°	175.1	203.2	257.7	244.5	239.5
80°	107.4	183.3	236.2	219.7	211.4
82.5°	61.1	163.5	219.7	208.1	199.9
85°	29.7	145.4	204.8	198.2	188.3
87.5°	11.6	128.8	188.3	178.4	168.5
90°	0.0	112.3	170.1	156.9	145.4
92.5°	0.0	99.1	152.0	135.4	125.5
95°	0.0	87.5	135.4	118.9	109.0
97.5°	0.0	77.6	120.6	105.7	94.2
100°	0.0	69.4	109.0	94.2	85.9
102.5°	0.0	61.1	97.5	87.5	82.6
105°	0.0	52.9	89.2	82.6	77.6
107.5°	0.0	46.2	80.9	79.3	76.0
110°	0.0	41.3	76.0	77.6	79.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	36.3	69.4	79.3	80.9
115°	1.7	31.4	64.4	77.6	76.0
117.5°	1.7	26.4	57.8	69.4	66.1
120°	1.7	23.1	52.9	62.8	57.8
122.5°	1.7	19.8	46.2	54.5	51.2
125°	1.7	16.5	41.3	49.6	44.6
127.5°	1.7	14.9	36.3	42.9	39.6
130°	1.7	13.2	31.4	38.0	34.7
132.5°	1.7	9.9	28.1	33.0	28.1
135°	1.7	8.3	23.1	28.1	23.1
137.5°	1.7	6.6	19.8	23.1	19.8
140°	1.7	5.0	16.5	19.8	16.5
142.5°	1.7	5.0	13.2	18.2	13.2
145°	1.7	3.3	11.6	14.9	11.6
147.5°	1.7	3.3	9.9	13.2	9.9
150°	1.7	3.3	8.3	11.6	6.6
152.5°	1.7	1.7	6.6	9.9	5.0
155°	1.7	1.7	5.0	6.6	3.3
157.5°	1.7	1.7	5.0	5.0	3.3
160°	1.7	1.7	5.0	5.0	1.7
162.5°	1.7	1.7	3.3	3.3	0.0
165°	1.7	3.3	3.3	3.3	0.0
167.5°	1.7	3.3	3.3	3.3	0.0
170°	1.7	3.3	3.3	3.3	0.0
172.5°	1.7	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°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)