

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-LD5-68SL-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-LD5-68SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

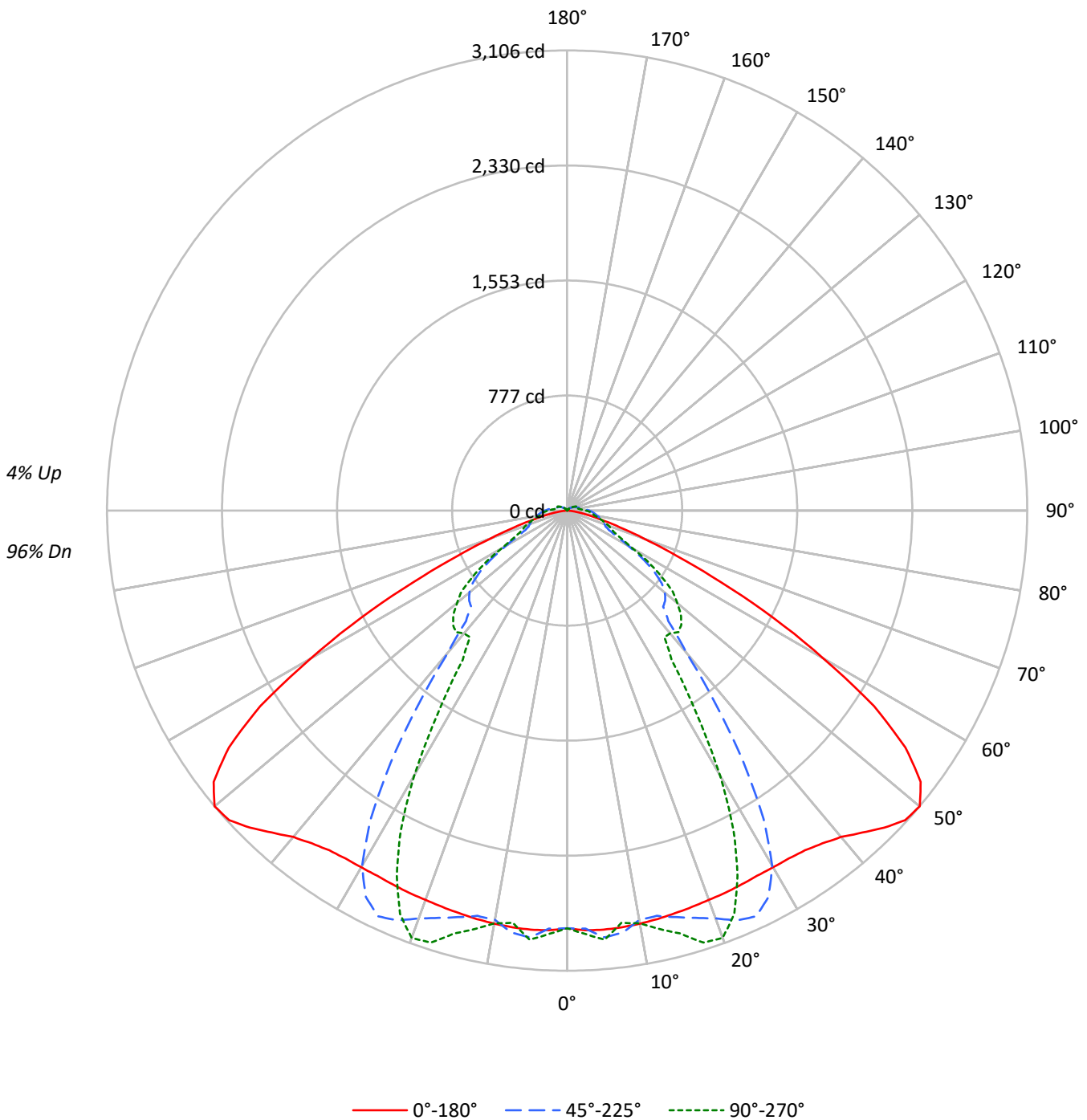
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6799.1 lumens
Efficiency: N/A
Efficacy: 147.2 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): 46.2
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	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°	16552	16552	16552
5°	16702	16346	16193
10°	16809	15398	15094
15°	16997	15274	15242
20°	17326	15537	15429
25°	17849	15945	13445
30°	18604	14647	10117
35°	19747	11089	6009
40°	21629	6800	5317
45°	24572	5116	5426
50°	27626	4977	4938
55°	27634	4323	4084
60°	22577	3056	2766
65°	15138	2118	2007
70°	8833	1969	1811
75°	4943	1937	1537
80°	2824	1863	1313
85°	1396	1843	1292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	4.0
10°-20°	817.4	12.0
20°-30°	1300.9	19.1
30°-40°	1325.8	19.5
40°-50°	1119.8	16.5
50°-60°	863.1	12.7
60°-70°	445.9	6.6
70°-80°	246.4	3.6
80°-90°	156.8	2.3
90°-100°	96.5	1.4
100°-110°	62.2	0.9
110°-120°	45.1	0.7
120°-130°	26.1	0.4
130°-140°	12.6	0.2
140°-150°	5.3	0.1
150°-160°	1.9	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	2390.8	35.2
0°-40°	3716.6	54.7
0°-60°	5699.5	83.8
0°-90°	6548.5	96.3
90°-120°	203.8	3.0
90°-150°	247.8	3.6
90°-180°	251.0	3.7
0°-180°	6799.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2819	2819	2819	2819	2819	
5°	2840	2850	2892	2919	2908	271
15°	2813	2815	2841	2942	2956	797
25°	2784	2803	3021	2873	2721	1289
35°	2799	2931	2075	1411	1230	1767
45°	3027	1766	916	1057	1089	2338
55°	2787	650	716	779	779	2413
65°	1143	297	312	351	351	1179
75°	236	196	241	242	236	285
85°	26	128	180	174	165	36
90°	0	99	149	138	128	1
95°	0	77	119	104	96	0
105°	0	46	78	72	68	0
115°	2	28	57	68	67	1
125°	2	14	36	44	39	1
135°	2	7	20	25	20	1
145°	2	3	10	13	10	1
155°	2	2	4	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2819.2	2819.2	2819.2	2819.2	2819.2
2.5°	2835.2	2825.0	2825.0	2861.3	2861.3
5°	2839.5	2849.7	2891.7	2919.3	2907.7
7.5°	2836.6	2883.0	2872.9	2832.3	2806.2
10°	2830.8	2900.4	2804.7	2832.3	2829.4
12.5°	2823.6	2874.3	2801.8	2899.0	2893.2
15°	2813.4	2814.9	2841.0	2942.5	2955.5
17.5°	2804.7	2777.2	2883.0	3019.3	3057.1
20°	2796.0	2765.6	2928.0	3084.6	3068.7
22.5°	2791.7	2775.7	2994.7	3035.3	2946.8
25°	2784.4	2803.3	3020.8	2872.9	2720.6
27.5°	2778.6	2835.2	2941.0	2595.9	2433.5
30°	2780.1	2880.1	2768.5	2271.0	2066.6
32.5°	2784.4	2923.6	2468.3	1836.0	1624.2
35°	2798.9	2930.9	2075.3	1411.1	1229.8
37.5°	2830.8	2851.1	1647.4	1116.7	1077.5
40°	2875.8	2610.4	1250.1	1042.7	1081.9
42.5°	2948.3	2205.8	1010.8	1054.3	1112.3
45°	3026.6	1766.4	916.5	1057.2	1089.1
47.5°	3093.3	1303.7	897.7	1018.1	1041.3
50°	3106.4	981.8	861.4	955.7	970.2
52.5°	3007.7	775.9	803.4	873.0	899.1
55°	2787.3	649.7	716.4	778.8	778.8
57.5°	2455.2	551.1	601.8	661.3	655.5
60°	1998.4	453.9	480.0	516.3	507.6
62.5°	1572.0	364.0	372.7	411.9	417.7
65°	1142.8	297.3	311.8	351.0	351.0
67.5°	802.0	253.8	281.3	317.6	320.5
70°	546.7	229.1	268.3	297.3	298.7
72.5°	372.7	211.7	255.2	271.2	266.8
75°	236.4	195.8	240.7	242.2	236.4
77.5°	153.7	178.4	226.2	214.6	210.3
80°	94.3	161.0	207.4	192.9	185.6
82.5°	53.7	143.6	192.9	182.7	175.5
85°	26.1	127.6	179.8	174.0	165.3
87.5°	10.2	113.1	165.3	156.6	147.9
90°	0.0	98.6	149.4	137.8	127.6
92.5°	0.0	87.0	133.4	118.9	110.2
95°	0.0	76.9	118.9	104.4	95.7
97.5°	0.0	68.2	105.9	92.8	82.7
100°	0.0	60.9	95.7	82.7	75.4
102.5°	0.0	53.7	85.6	76.9	72.5
105°	0.0	46.4	78.3	72.5	68.2
107.5°	0.0	40.6	71.1	69.6	66.7
110°	0.0	36.3	66.7	68.2	69.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.9	60.9	69.6	71.1
115°	1.5	27.6	56.6	68.2	66.7
117.5°	1.5	23.2	50.8	60.9	58.0
120°	1.5	20.3	46.4	55.1	50.8
122.5°	1.5	17.4	40.6	47.9	45.0
125°	1.5	14.5	36.3	43.5	39.2
127.5°	1.5	13.1	31.9	37.7	34.8
130°	1.5	11.6	27.6	33.4	30.5
132.5°	1.5	8.7	24.7	29.0	24.7
135°	1.5	7.3	20.3	24.7	20.3
137.5°	1.5	5.8	17.4	20.3	17.4
140°	1.5	4.4	14.5	17.4	14.5
142.5°	1.5	4.4	11.6	16.0	11.6
145°	1.5	2.9	10.2	13.1	10.2
147.5°	1.5	2.9	8.7	11.6	8.7
150°	1.5	2.9	7.3	10.2	5.8
152.5°	1.5	1.5	5.8	8.7	4.4
155°	1.5	1.5	4.4	5.8	2.9
157.5°	1.5	1.5	4.4	4.4	2.9
160°	1.5	1.5	4.4	4.4	1.5
162.5°	1.5	1.5	2.9	2.9	0.0
165°	1.5	2.9	2.9	2.9	0.0
167.5°	1.5	2.9	2.9	2.9	0.0
170°	1.5	2.9	2.9	2.9	0.0
172.5°	1.5	2.9	2.9	2.9	0.0
175°	2.9	2.9	2.9	2.9	0.0
177.5°	2.9	2.9	2.9	2.9	0.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)