

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-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-LD5-68SL-LC-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

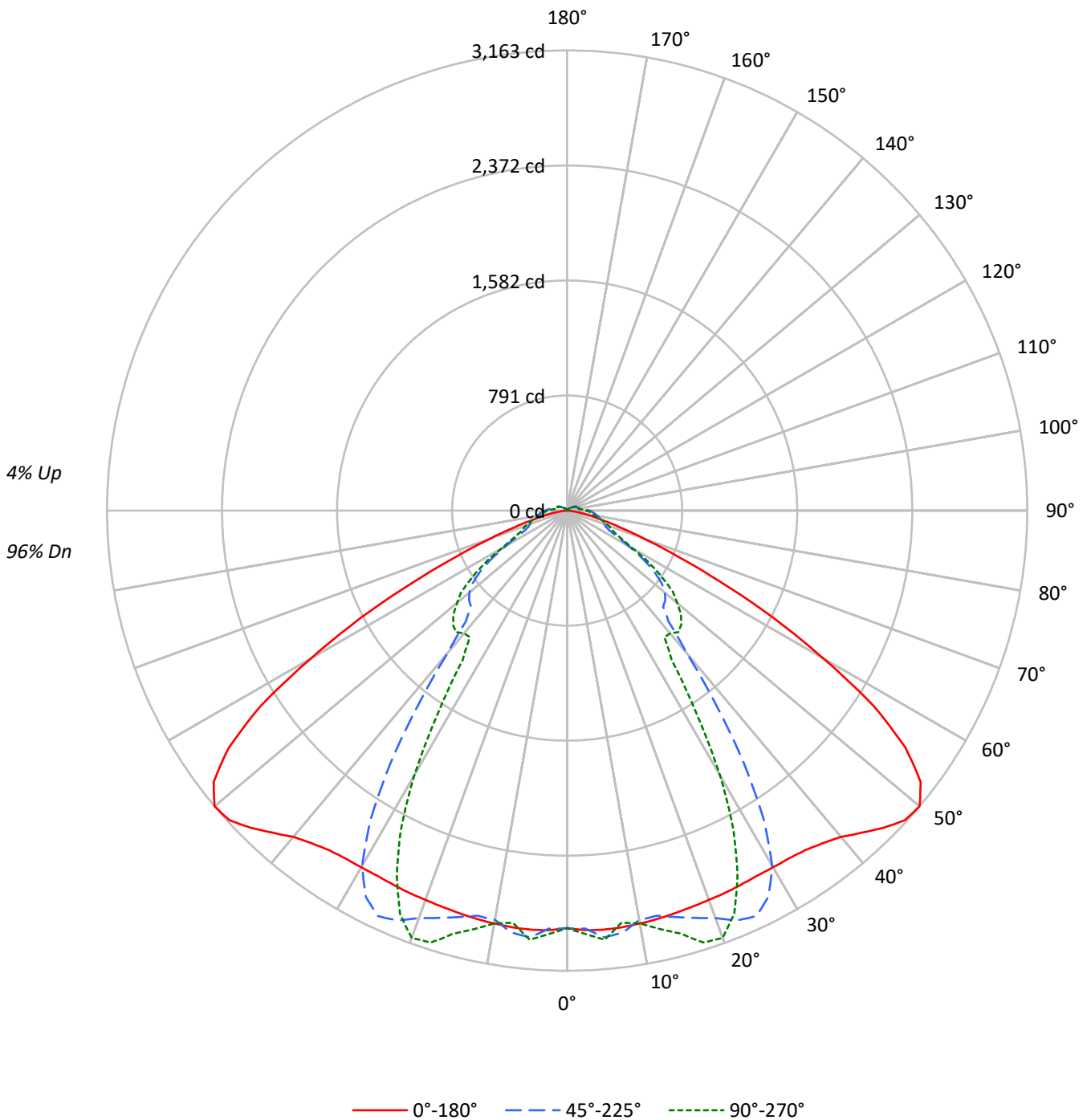
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6923.0 lumens
Efficiency: N/A
Efficacy: 149.8 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°	16854	16854	16854
5°	17006	16644	16488
10°	17116	15679	15369
15°	17307	15552	15520
20°	17642	15821	15710
25°	18174	16236	13690
30°	18943	14913	10301
35°	20107	11291	6119
40°	22023	6924	5414
45°	25020	5210	5525
50°	28129	5067	5028
55°	28138	4402	4158
60°	22989	3112	2816
65°	15414	2156	2044
70°	8995	2005	1844
75°	5033	1972	1565
80°	2875	1897	1337
85°	1422	1877	1315



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.5	4.0
10°-20°	832.3	12.0
20°-30°	1324.6	19.1
30°-40°	1350.0	19.5
40°-50°	1140.2	16.5
50°-60°	878.9	12.7
60°-70°	454.0	6.6
70°-80°	250.8	3.6
80°-90°	159.6	2.3
90°-100°	98.2	1.4
100°-110°	63.3	0.9
110°-120°	46.0	0.7
120°-130°	26.5	0.4
130°-140°	12.8	0.2
140°-150°	5.4	0.1
150°-160°	1.9	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	2434.4	35.2
0°-40°	3784.4	54.7
0°-60°	5803.5	83.8
0°-90°	6667.9	96.3
90°-120°	207.5	3.0
90°-150°	252.3	3.6
90°-180°	255.0	3.7
0°-180°	6923.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2871	2871	2871	2871	2871	
5°	2891	2902	2944	2972	2961	276
15°	2865	2866	2893	2996	3009	812
25°	2835	2854	3076	2925	2770	1313
35°	2850	2984	2113	1437	1252	1799
45°	3082	1799	933	1076	1109	2380
55°	2838	662	730	793	793	2457
65°	1164	303	318	357	357	1201
75°	241	199	245	247	241	290
85°	27	130	183	177	168	37
90°	0	100	152	140	130	1
95°	0	78	121	106	98	0
105°	0	47	80	74	69	0
115°	2	28	58	69	68	1
125°	2	15	37	44	40	1
135°	2	7	21	25	21	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°	2870.6	2870.6	2870.6	2870.6	2870.6
2.5°	2886.9	2876.5	2876.5	2913.5	2913.5
5°	2891.3	2901.6	2944.5	2972.5	2960.7
7.5°	2888.4	2935.6	2925.3	2883.9	2857.3
10°	2882.4	2953.3	2855.9	2883.9	2881.0
12.5°	2875.1	2926.7	2852.9	2951.8	2945.9
15°	2864.7	2866.2	2892.8	2996.1	3009.4
17.5°	2855.9	2827.8	2935.6	3074.4	3112.8
20°	2847.0	2816.0	2981.4	3140.9	3124.6
22.5°	2842.6	2826.3	3049.3	3090.7	3000.6
25°	2835.2	2854.4	3075.9	2925.3	2770.2
27.5°	2829.3	2886.9	2994.7	2643.2	2477.8
30°	2830.8	2932.7	2818.9	2312.5	2104.2
32.5°	2835.2	2977.0	2513.3	1869.5	1653.9
35°	2850.0	2984.3	2113.1	1436.8	1252.2
37.5°	2882.4	2903.1	1677.5	1137.0	1097.2
40°	2928.2	2658.0	1272.9	1061.7	1101.6
42.5°	3002.1	2246.0	1029.2	1073.5	1132.6
45°	3081.8	1798.6	933.3	1076.5	1109.0
47.5°	3149.7	1327.5	914.1	1036.6	1060.2
50°	3163.0	999.7	877.1	973.1	987.9
52.5°	3062.6	790.0	818.1	889.0	915.5
55°	2838.1	661.5	729.5	793.0	793.0
57.5°	2500.0	561.1	612.8	673.4	667.5
60°	2034.8	462.2	488.8	525.7	516.8
62.5°	1600.7	370.6	379.5	419.4	425.3
65°	1163.6	302.7	317.5	357.4	357.4
67.5°	816.6	258.4	286.5	323.4	326.3
70°	556.7	233.3	273.2	302.7	304.2
72.5°	379.5	215.6	259.9	276.1	271.7
75°	240.7	199.3	245.1	246.6	240.7
77.5°	156.5	181.6	230.4	218.5	214.1
80°	96.0	163.9	211.2	196.4	189.0
82.5°	54.6	146.2	196.4	186.1	178.7
85°	26.6	129.9	183.1	177.2	168.3
87.5°	10.3	115.2	168.3	159.5	150.6
90°	0.0	100.4	152.1	140.3	129.9
92.5°	0.0	88.6	135.9	121.1	112.2
95°	0.0	78.3	121.1	106.3	97.5
97.5°	0.0	69.4	107.8	94.5	84.2
100°	0.0	62.0	97.5	84.2	76.8
102.5°	0.0	54.6	87.1	78.3	73.8
105°	0.0	47.3	79.7	73.8	69.4
107.5°	0.0	41.3	72.4	70.9	67.9
110°	0.0	36.9	67.9	69.4	70.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	32.5	62.0	70.9	72.4
115°	1.5	28.1	57.6	69.4	67.9
117.5°	1.5	23.6	51.7	62.0	59.1
120°	1.5	20.7	47.3	56.1	51.7
122.5°	1.5	17.7	41.3	48.7	45.8
125°	1.5	14.8	36.9	44.3	39.9
127.5°	1.5	13.3	32.5	38.4	35.4
130°	1.5	11.8	28.1	34.0	31.0
132.5°	1.5	8.9	25.1	29.5	25.1
135°	1.5	7.4	20.7	25.1	20.7
137.5°	1.5	5.9	17.7	20.7	17.7
140°	1.5	4.4	14.8	17.7	14.8
142.5°	1.5	4.4	11.8	16.2	11.8
145°	1.5	3.0	10.3	13.3	10.3
147.5°	1.5	3.0	8.9	11.8	8.9
150°	1.5	3.0	7.4	10.3	5.9
152.5°	1.5	1.5	5.9	8.9	4.4
155°	1.5	1.5	4.4	5.9	3.0
157.5°	1.5	1.5	4.4	4.4	3.0
160°	1.5	1.5	4.4	4.4	1.5
162.5°	1.5	1.5	3.0	3.0	0.0
165°	1.5	3.0	3.0	3.0	0.0
167.5°	1.5	3.0	3.0	3.0	0.0
170°	1.5	3.0	3.0	3.0	0.0
172.5°	1.5	3.0	3.0	3.0	0.0
175°	3.0	3.0	3.0	3.0	0.0
177.5°	3.0	3.0	3.0	3.0	0.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)