

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: **4SRL-LD5-41SL-LW-UNV-L850-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-41SL-LW-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

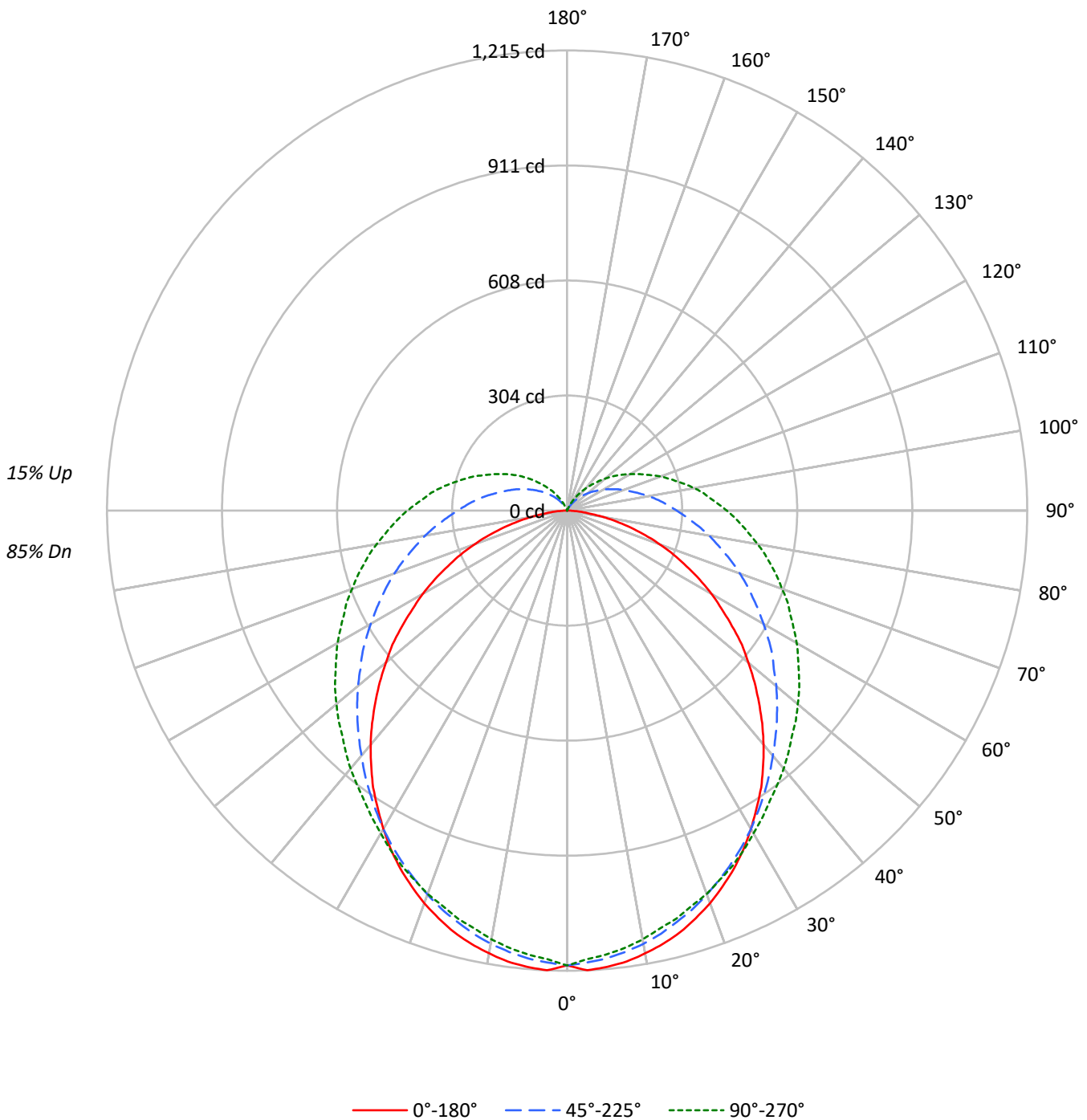
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4621.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 33.7
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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85				
1	103	97	92	87	98	93	88	84	86	82	79	80	76	74	74	71	69	66				
2	92	83	75	69	88	80	73	67	74	68	63	68	64	59	63	59	56	53				
3	84	72	63	56	80	70	61	55	64	58	52	60	54	49	55	51	47	44				
4	76	64	54	47	73	61	53	46	57	50	44	53	47	42	49	44	40	37				
5	70	57	47	40	67	55	46	39	51	43	38	47	41	36	44	38	34	32				
6	65	51	42	35	62	49	40	34	46	38	33	43	36	31	40	34	30	27				
7	60	46	37	31	57	44	36	30	42	34	29	39	32	28	36	31	26	24				
8	56	42	33	27	53	41	32	27	38	31	26	36	29	25	33	28	24	21				
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	25	21	19				
10	49	35	27	22	47	34	27	22	32	25	21	30	24	20	29	23	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14103	14103	14103
5°	14201	13403	13108
10°	14043	12719	12263
15°	13846	12035	11500
20°	13558	11393	10831
25°	13229	10778	10221
30°	12821	10194	9636
35°	12406	9628	9131
40°	11916	9103	8745
45°	11370	8647	8367
50°	10824	8230	8092
55°	10222	7868	7832
60°	9590	7511	7633
65°	8800	7218	7438
70°	7929	6989	7322
75°	6742	6779	7251
80°	5086	6670	7228
85°	2899	6623	7261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	2.4
10°-20°	318.9	6.9
20°-30°	476.3	10.3
30°-40°	570.8	12.4
40°-50°	603.8	13.1
50°-60°	583.1	12.6
60°-70°	518.7	11.2
70°-80°	426.5	9.2
80°-90°	326.2	7.1
90°-100°	245.3	5.3
100°-110°	179.0	3.9
110°-120°	122.6	2.7
120°-130°	76.5	1.7
130°-140°	40.8	0.9
140°-150°	16.4	0.4
150°-160°	3.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	908.2	19.7
0°-40°	1479.0	32.0
0°-60°	2665.9	57.7
0°-90°	3937.3	85.2
90°-120°	546.9	11.8
90°-150°	680.6	14.7
90°-180°	684.0	14.8
0°-180°	4621.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1210	1203	1187	1186	1177	115
15°	1153	1141	1124	1124	1115	325
25°	1043	1032	1027	1039	1034	480
35°	893	890	908	934	934	558
45°	716	736	783	828	840	553
55°	532	580	661	726	747	476
65°	348	427	540	625	650	345
75°	174	287	430	528	558	185
85°	33	177	332	432	465	40
90°	0	136	289	389	422	2
95°	0	105	253	349	378	0
105°	0	65	186	272	299	0
115°	0	40	132	205	225	0
125°	0	24	90	144	162	0
135°	0	12	55	91	102	0
145°	0	3	24	46	53	0
155°	0	0	3	12	12	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.0	1201.0	1201.0	1201.0	1201.0
2.5°	1214.8	1207.9	1194.1	1192.4	1185.5
5°	1209.6	1202.7	1187.2	1185.5	1176.9
7.5°	1201.0	1192.4	1175.2	1173.5	1164.9
10°	1187.2	1178.6	1161.4	1159.7	1149.4
12.5°	1171.7	1163.1	1144.2	1142.5	1130.4
15°	1152.8	1140.8	1123.6	1123.6	1115.0
17.5°	1128.7	1118.4	1102.9	1104.6	1094.3
20°	1102.9	1092.6	1078.8	1084.0	1077.1
22.5°	1073.7	1061.6	1053.0	1059.9	1054.7
25°	1042.7	1032.4	1027.2	1039.3	1034.1
27.5°	1008.3	998.0	999.7	1011.7	1010.0
30°	970.4	963.5	970.4	985.9	984.2
32.5°	930.9	927.4	939.5	960.1	960.1
35°	893.0	889.6	908.5	934.3	934.3
37.5°	850.0	851.7	877.5	906.8	911.9
40°	807.0	813.9	844.8	881.0	889.6
42.5°	762.2	774.3	813.9	853.4	865.5
45°	715.8	736.4	782.9	827.6	839.7
47.5°	671.0	696.9	751.9	803.5	819.0
50°	624.6	655.6	720.9	777.7	794.9
52.5°	581.6	617.7	688.2	751.9	772.6
55°	531.7	579.9	660.7	726.1	746.8
57.5°	483.5	540.3	629.7	700.3	722.7
60°	440.5	500.7	598.8	676.2	700.3
62.5°	394.0	462.8	569.5	650.4	674.5
65°	347.6	426.7	540.3	624.6	650.4
67.5°	304.6	388.9	512.7	600.5	629.7
70°	259.8	354.4	485.2	576.4	603.9
72.5°	216.8	320.0	457.7	550.6	581.6
75°	173.8	287.3	430.2	528.2	557.5
77.5°	132.5	256.4	404.3	504.1	535.1
80°	94.6	227.1	380.3	480.1	511.0
82.5°	60.2	199.6	356.2	456.0	486.9
85°	32.7	177.2	332.1	431.9	464.6
87.5°	12.0	153.1	309.7	411.2	443.9
90°	0.0	135.9	289.1	388.9	421.6
92.5°	0.0	118.7	270.1	368.2	399.2
95°	0.0	105.0	252.9	349.3	378.5
97.5°	0.0	92.9	235.7	330.4	361.3
100°	0.0	82.6	218.5	309.7	340.7
102.5°	0.0	72.3	201.3	290.8	320.0
105°	0.0	65.4	185.8	271.9	299.4
107.5°	0.0	58.5	172.1	256.4	280.5
110°	0.0	51.6	158.3	237.4	263.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	46.5	146.3	222.0	242.6
115°	0.0	39.6	132.5	204.8	225.4
117.5°	0.0	36.1	122.2	189.3	208.2
120°	0.0	31.0	110.1	173.8	192.7
122.5°	0.0	27.5	99.8	158.3	177.2
125°	0.0	24.1	89.5	144.5	161.7
127.5°	0.0	20.6	80.9	130.8	146.3
130°	0.0	17.2	70.5	117.0	130.8
132.5°	0.0	13.8	61.9	103.2	117.0
135°	0.0	12.0	55.1	91.2	101.5
137.5°	0.0	8.6	46.5	79.1	89.5
140°	0.0	6.9	39.6	68.8	75.7
142.5°	0.0	5.2	31.0	56.8	65.4
145°	0.0	3.4	24.1	46.5	53.3
147.5°	0.0	1.7	17.2	37.9	41.3
150°	0.0	1.7	12.0	29.3	31.0
152.5°	0.0	0.0	8.6	20.6	20.6
155°	0.0	0.0	3.4	12.0	12.0
157.5°	1.7	0.0	1.7	5.2	5.2
160°	1.7	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)