

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-LD5-37SL-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-LD5-37SL-LW-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

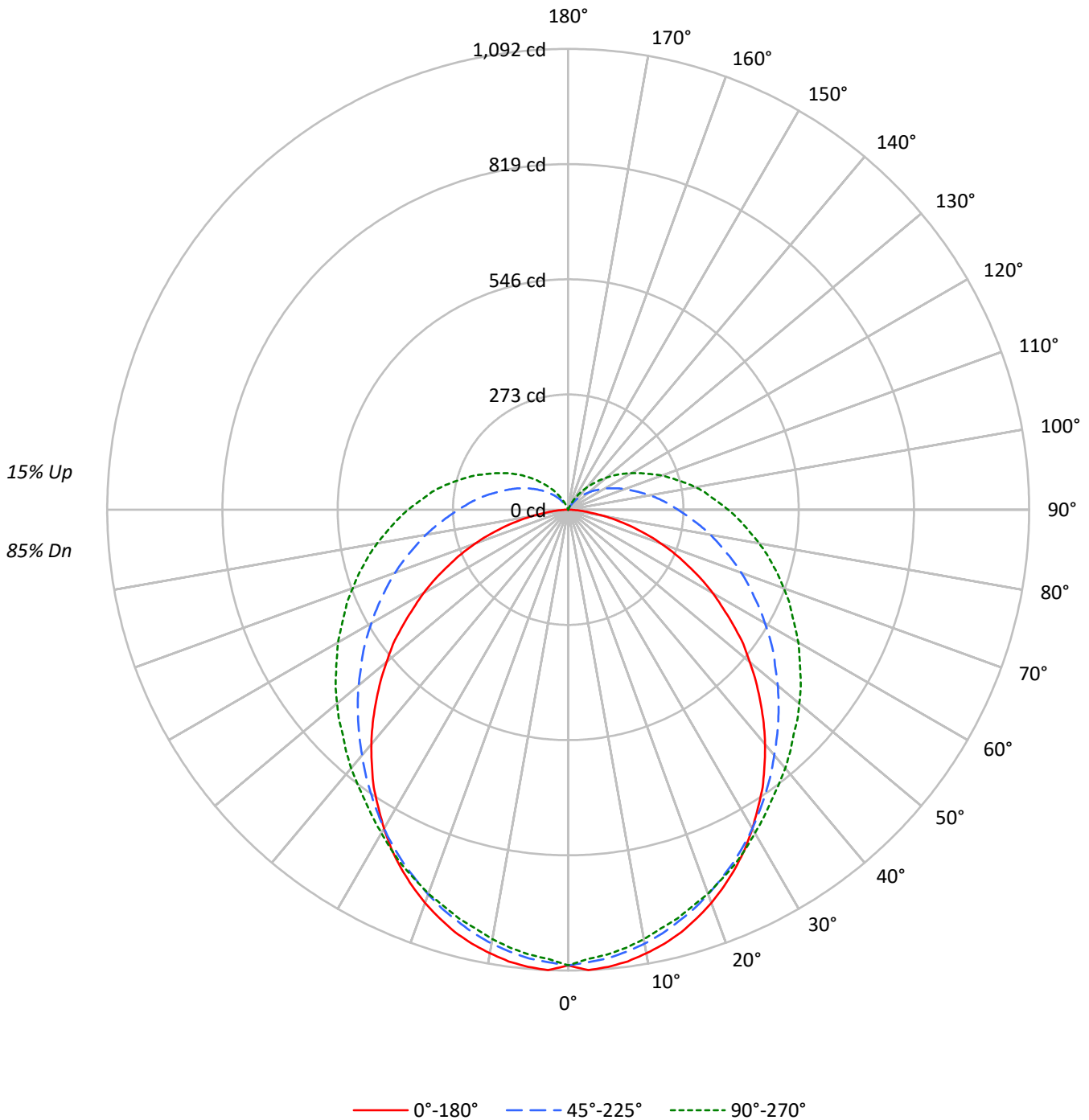
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.0 lumens
Efficiency: N/A
Efficacy: 140.3 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): 29.6
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									
RC	80									70									30									10									0
RW	70	50	30	10	70	50	30	10	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°	12677	12677	12677
5°	12767	12049	11784
10°	12624	11433	11024
15°	12446	10819	10338
20°	12188	10242	9737
25°	11892	9689	9188
30°	11526	9164	8662
35°	11153	8655	8208
40°	10711	8183	7861
45°	10220	7773	7521
50°	9730	7399	7275
55°	9187	7072	7040
60°	8621	6752	6861
65°	7909	6488	6686
70°	7130	6283	6582
75°	6059	6093	6518
80°	4575	5994	6498
85°	2607	5953	6527



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	2.4
10°-20°	286.7	6.9
20°-30°	428.1	10.3
30°-40°	513.1	12.4
40°-50°	542.8	13.1
50°-60°	524.2	12.6
60°-70°	466.3	11.2
70°-80°	383.4	9.2
80°-90°	293.2	7.1
90°-100°	220.5	5.3
100°-110°	160.9	3.9
110°-120°	110.2	2.7
120°-130°	68.8	1.7
130°-140°	36.7	0.9
140°-150°	14.7	0.4
150°-160°	2.8	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	816.4	19.7
0°-40°	1329.5	32.0
0°-60°	2396.5	57.7
0°-90°	3539.4	85.2
90°-120°	491.6	11.8
90°-150°	611.8	14.7
90°-180°	615.0	14.8
0°-180°	4154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1087	1081	1067	1066	1058	103
15°	1036	1026	1010	1010	1002	292
25°	937	928	923	934	930	431
35°	803	800	817	840	840	501
45°	643	662	704	744	755	497
55°	478	521	594	653	671	428
65°	312	384	486	562	585	310
75°	156	258	387	475	501	166
85°	29	159	298	388	418	36
90°	0	122	260	350	379	1
95°	0	94	227	314	340	0
105°	0	59	167	244	269	0
115°	0	36	119	184	203	0
125°	0	22	80	130	145	0
135°	0	11	50	82	91	0
145°	0	3	22	42	48	0
155°	0	0	3	11	11	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.6	1079.6	1079.6	1079.6	1079.6
2.5°	1092.0	1085.8	1073.4	1071.9	1065.7
5°	1087.4	1081.2	1067.2	1065.7	1058.0
7.5°	1079.6	1071.9	1056.4	1054.9	1047.1
10°	1067.2	1059.5	1044.0	1042.5	1033.2
12.5°	1053.3	1045.6	1028.6	1027.0	1016.2
15°	1036.3	1025.5	1010.0	1010.0	1002.3
17.5°	1014.7	1005.4	991.5	993.0	983.7
20°	991.5	982.2	969.8	974.4	968.3
22.5°	965.2	954.3	946.6	952.8	948.1
25°	937.3	928.0	923.4	934.2	929.6
27.5°	906.4	897.1	898.7	909.5	907.9
30°	872.4	866.2	872.4	886.3	884.7
32.5°	836.8	833.7	844.5	863.1	863.1
35°	802.8	799.7	816.7	839.9	839.9
37.5°	764.1	765.6	788.8	815.1	819.8
40°	725.4	731.6	759.4	791.9	799.7
42.5°	685.2	696.0	731.6	767.2	778.0
45°	643.4	662.0	703.8	744.0	754.8
47.5°	603.2	626.4	675.9	722.3	736.2
50°	561.5	589.3	648.1	699.1	714.6
52.5°	522.8	555.3	618.7	675.9	694.5
55°	477.9	521.3	593.9	652.7	671.3
57.5°	434.6	485.7	566.1	629.5	649.6
60°	396.0	450.1	538.3	607.9	629.5
62.5°	354.2	416.1	512.0	584.7	606.3
65°	312.4	383.6	485.7	561.5	584.7
67.5°	273.8	349.6	460.9	539.8	566.1
70°	233.6	318.6	436.2	518.2	542.9
72.5°	194.9	287.7	411.4	495.0	522.8
75°	156.2	258.3	386.7	474.8	501.1
77.5°	119.1	230.5	363.5	453.2	481.0
80°	85.1	204.2	341.8	431.5	459.4
82.5°	54.1	179.4	320.2	409.9	437.7
85°	29.4	159.3	298.5	388.2	417.6
87.5°	10.8	137.7	278.4	369.7	399.1
90°	0.0	122.2	259.9	349.6	379.0
92.5°	0.0	106.7	242.8	331.0	358.8
95°	0.0	94.4	227.4	314.0	340.3
97.5°	0.0	83.5	211.9	297.0	324.8
100°	0.0	74.2	196.4	278.4	306.3
102.5°	0.0	65.0	181.0	261.4	287.7
105°	0.0	58.8	167.0	244.4	269.1
107.5°	0.0	52.6	154.7	230.5	252.1
110°	0.0	46.4	142.3	213.4	236.7



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.8	131.5	199.5	218.1
115°	0.0	35.6	119.1	184.1	202.6
117.5°	0.0	32.5	109.8	170.1	187.2
120°	0.0	27.8	99.0	156.2	173.2
122.5°	0.0	24.7	89.7	142.3	159.3
125°	0.0	21.7	80.4	129.9	145.4
127.5°	0.0	18.6	72.7	117.6	131.5
130°	0.0	15.5	63.4	105.2	117.6
132.5°	0.0	12.4	55.7	92.8	105.2
135°	0.0	10.8	49.5	82.0	91.3
137.5°	0.0	7.7	41.8	71.1	80.4
140°	0.0	6.2	35.6	61.9	68.1
142.5°	0.0	4.6	27.8	51.0	58.8
145°	0.0	3.1	21.7	41.8	47.9
147.5°	0.0	1.5	15.5	34.0	37.1
150°	0.0	1.5	10.8	26.3	27.8
152.5°	0.0	0.0	7.7	18.6	18.6
155°	0.0	0.0	3.1	10.8	10.8
157.5°	1.5	0.0	1.5	4.6	4.6
160°	1.5	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)