

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-L830-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-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

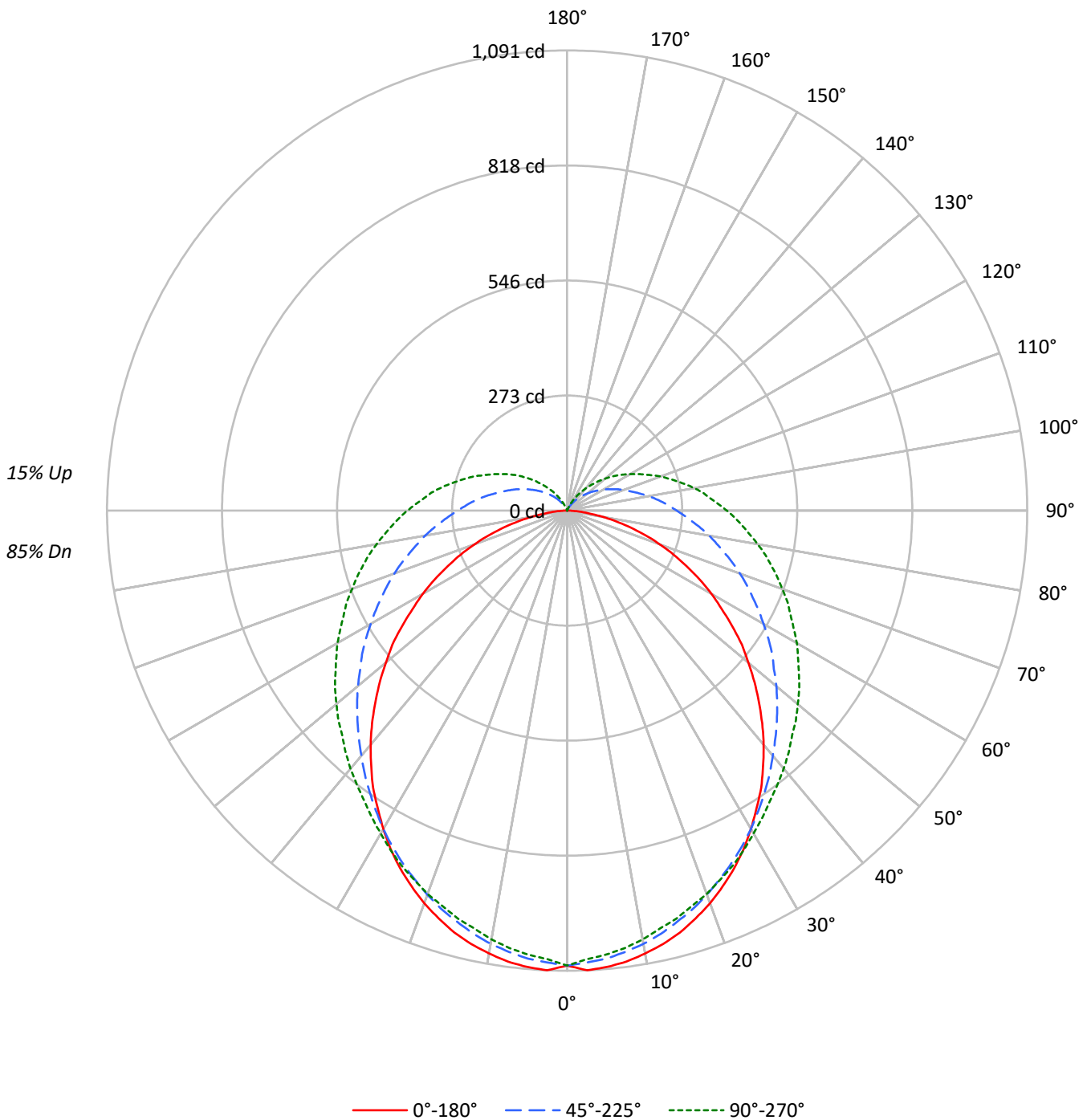
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4150.0 lumens
Efficiency: N/A
Efficacy: 123.1 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 (Ain): 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°	12665	12665	12665
5°	12754	12037	11771
10°	12612	11422	11013
15°	12434	10808	10328
20°	12176	10232	9727
25°	11881	9679	9179
30°	11514	9155	8654
35°	11142	8647	8200
40°	10701	8175	7853
45°	10210	7766	7514
50°	9720	7392	7267
55°	9180	7066	7033
60°	8613	6745	6855
65°	7901	6482	6680
70°	7121	6277	6576
75°	6055	6087	6513
80°	4570	5989	6491
85°	2607	5947	6521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	2.4
10°-20°	286.4	6.9
20°-30°	427.7	10.3
30°-40°	512.6	12.4
40°-50°	542.3	13.1
50°-60°	523.7	12.6
60°-70°	465.8	11.2
70°-80°	383.0	9.2
80°-90°	292.9	7.1
90°-100°	220.3	5.3
100°-110°	160.7	3.9
110°-120°	110.1	2.7
120°-130°	68.7	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°	815.6	19.7
0°-40°	1328.2	32.0
0°-60°	2394.2	57.7
0°-90°	3535.9	85.2
90°-120°	491.1	11.8
90°-150°	611.2	14.7
90°-180°	614.0	14.8
0°-180°	4150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1086	1080	1066	1065	1057	103
15°	1035	1024	1009	1009	1001	292
25°	936	927	922	933	929	431
35°	802	799	816	839	839	501
45°	643	661	703	743	754	496
55°	478	521	593	652	671	427
65°	312	383	485	561	584	310
75°	156	258	386	474	501	166
85°	29	159	298	388	417	36
90°	0	122	260	349	379	1
95°	0	94	227	314	340	0
105°	0	59	167	244	269	0
115°	0	36	119	184	202	0
125°	0	22	80	130	145	0
135°	0	11	49	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°	1078.6	1078.6	1078.6	1078.6	1078.6
2.5°	1090.9	1084.8	1072.4	1070.9	1064.7
5°	1086.3	1080.1	1066.2	1064.7	1056.9
7.5°	1078.6	1070.9	1055.4	1053.9	1046.1
10°	1066.2	1058.5	1043.0	1041.5	1032.2
12.5°	1052.3	1044.6	1027.6	1026.0	1015.2
15°	1035.3	1024.5	1009.0	1009.0	1001.3
17.5°	1013.7	1004.4	990.5	992.0	982.8
20°	990.5	981.2	968.9	973.5	967.3
22.5°	964.2	953.4	945.7	951.9	947.2
25°	936.4	927.1	922.5	933.3	928.7
27.5°	905.5	896.2	897.8	908.6	907.1
30°	871.5	865.3	871.5	885.4	883.9
32.5°	836.0	832.9	843.7	862.2	862.2
35°	802.0	798.9	815.9	839.1	839.1
37.5°	763.4	764.9	788.1	814.3	819.0
40°	724.7	730.9	758.7	791.2	798.9
42.5°	684.5	695.4	730.9	766.4	777.3
45°	642.8	661.4	703.1	743.3	754.1
47.5°	602.6	625.8	675.3	721.6	735.5
50°	560.9	588.7	647.5	698.5	713.9
52.5°	522.3	554.7	618.1	675.3	693.8
55°	477.5	520.7	593.4	652.1	670.6
57.5°	434.2	485.2	565.6	628.9	649.0
60°	395.6	449.7	537.7	607.3	628.9
62.5°	353.9	415.7	511.5	584.1	605.7
65°	312.1	383.2	485.2	560.9	584.1
67.5°	273.5	349.2	460.5	539.3	565.6
70°	233.3	318.3	435.8	517.7	542.4
72.5°	194.7	287.4	411.0	494.5	522.3
75°	156.1	258.1	386.3	474.4	500.7
77.5°	119.0	230.2	363.1	452.8	480.6
80°	85.0	204.0	341.5	431.1	458.9
82.5°	54.1	179.2	319.9	409.5	437.3
85°	29.4	159.2	298.2	387.9	417.2
87.5°	10.8	137.5	278.1	369.3	398.7
90°	0.0	122.1	259.6	349.2	378.6
92.5°	0.0	106.6	242.6	330.7	358.5
95°	0.0	94.3	227.2	313.7	340.0
97.5°	0.0	83.4	211.7	296.7	324.5
100°	0.0	74.2	196.2	278.1	306.0
102.5°	0.0	64.9	180.8	261.1	287.4
105°	0.0	58.7	166.9	244.1	268.9
107.5°	0.0	52.5	154.5	230.2	251.9
110°	0.0	46.4	142.2	213.2	236.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	41.7	131.3	199.3	217.9
115°	0.0	35.5	119.0	183.9	202.4
117.5°	0.0	32.5	109.7	170.0	187.0
120°	0.0	27.8	98.9	156.1	173.1
122.5°	0.0	24.7	89.6	142.2	159.2
125°	0.0	21.6	80.4	129.8	145.3
127.5°	0.0	18.5	72.6	117.4	131.3
130°	0.0	15.5	63.4	105.1	117.4
132.5°	0.0	12.4	55.6	92.7	105.1
135°	0.0	10.8	49.4	81.9	91.2
137.5°	0.0	7.7	41.7	71.1	80.4
140°	0.0	6.2	35.5	61.8	68.0
142.5°	0.0	4.6	27.8	51.0	58.7
145°	0.0	3.1	21.6	41.7	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	18.5	18.5
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)