

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-LD5-54SL-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: 8SRL-LD5-54SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

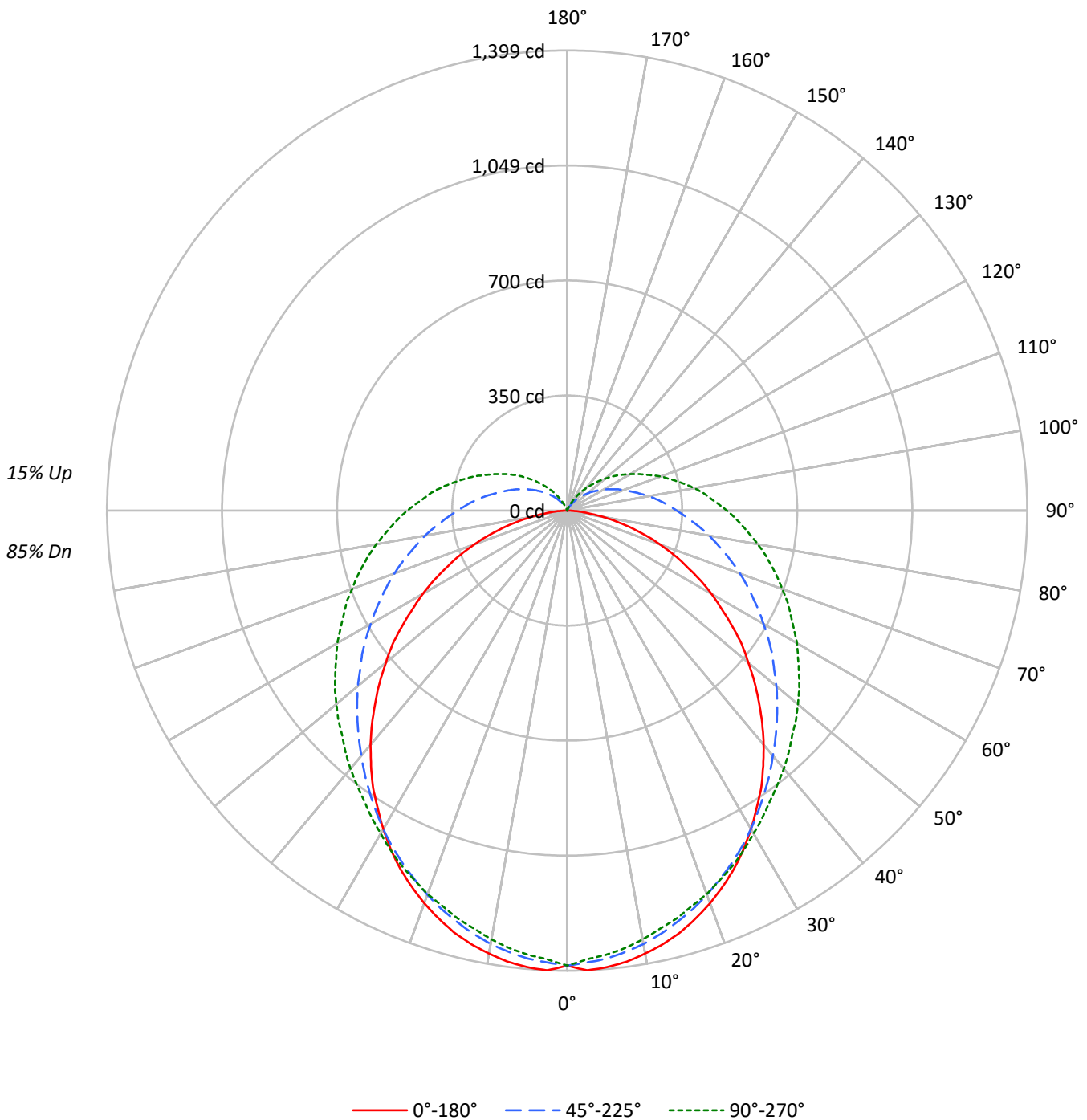
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5323.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 7.33' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 40.3
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	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°	8122	8122	8122
5°	8196	7730	7550
10°	8121	7345	7063
15°	8023	6958	6623
20°	7873	6594	6238
25°	7699	6246	5887
30°	7481	5914	5550
35°	7258	5592	5259
40°	6991	5294	5036
45°	6694	5034	4818
50°	6399	4798	4661
55°	6072	4593	4511
60°	5732	4391	4396
65°	5304	4227	4284
70°	4836	4101	4217
75°	4186	3987	4177
80°	3265	3934	4163
85°	2016	3921	4182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.1	2.4
10°-20°	367.4	6.9
20°-30°	548.6	10.3
30°-40°	657.5	12.4
40°-50°	695.5	13.1
50°-60°	671.7	12.6
60°-70°	597.5	11.2
70°-80°	491.3	9.2
80°-90°	375.7	7.1
90°-100°	282.5	5.3
100°-110°	206.2	3.9
110°-120°	141.2	2.7
120°-130°	88.1	1.7
130°-140°	47.0	0.9
140°-150°	18.9	0.4
150°-160°	3.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1046.1	19.7
0°-40°	1703.7	32.0
0°-60°	3070.9	57.7
0°-90°	4535.4	85.2
90°-120°	630.0	11.8
90°-150°	784.0	14.7
90°-180°	788.0	14.8
0°-180°	5323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1383	1383	1383	1383	1383	
5°	1393	1385	1368	1366	1356	132
15°	1328	1314	1294	1294	1284	374
25°	1201	1189	1183	1197	1191	553
35°	1029	1025	1046	1076	1076	642
45°	824	848	902	953	967	637
55°	612	668	761	836	860	548
65°	400	492	622	720	749	398
75°	200	331	496	608	642	213
85°	38	204	382	498	535	46
90°	0	157	333	448	486	2
95°	0	121	291	402	436	0
105°	0	75	214	313	345	0
115°	0	46	153	236	260	0
125°	0	28	103	166	186	0
135°	0	14	63	105	117	0
145°	0	4	28	54	61	0
155°	0	0	4	14	14	1
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°	1383.4	1383.4	1383.4	1383.4	1383.4
2.5°	1399.3	1391.4	1375.5	1373.5	1365.6
5°	1393.4	1385.4	1367.6	1365.6	1355.7
7.5°	1383.4	1373.5	1353.7	1351.7	1341.8
10°	1367.6	1357.7	1337.9	1335.9	1324.0
12.5°	1349.8	1339.8	1318.0	1316.1	1302.2
15°	1327.9	1314.1	1294.3	1294.3	1284.3
17.5°	1300.2	1288.3	1270.5	1272.5	1260.6
20°	1270.5	1258.6	1242.7	1248.7	1240.7
22.5°	1236.8	1222.9	1213.0	1220.9	1215.0
25°	1201.1	1189.2	1183.3	1197.1	1191.2
27.5°	1161.5	1149.6	1151.5	1165.4	1163.4
30°	1117.9	1109.9	1117.9	1135.7	1133.7
32.5°	1072.3	1068.3	1082.2	1106.0	1106.0
35°	1028.7	1024.7	1046.5	1076.2	1076.2
37.5°	979.1	981.1	1010.8	1044.5	1050.5
40°	929.6	937.5	973.2	1014.8	1024.7
42.5°	878.0	891.9	937.5	983.1	997.0
45°	824.5	848.3	901.8	953.3	967.2
47.5°	773.0	802.7	866.1	925.6	943.4
50°	719.5	755.1	830.5	895.9	915.7
52.5°	669.9	711.5	792.8	866.1	889.9
55°	612.4	667.9	761.1	836.4	860.2
57.5°	556.9	622.4	725.4	806.7	832.4
60°	507.4	576.8	689.7	778.9	806.7
62.5°	453.9	533.2	656.0	749.2	776.9
65°	400.4	491.5	622.4	719.5	749.2
67.5°	350.8	447.9	590.6	691.7	725.4
70°	299.3	408.3	558.9	664.0	695.7
72.5°	249.7	368.7	527.2	634.2	669.9
75°	200.2	331.0	495.5	608.5	642.2
77.5°	152.6	295.3	465.8	580.7	616.4
80°	109.0	261.6	438.0	553.0	588.7
82.5°	69.4	229.9	410.3	525.2	560.9
85°	37.7	204.1	382.5	497.5	535.1
87.5°	13.9	176.4	356.8	473.7	511.4
90°	0.0	156.6	333.0	447.9	485.6
92.5°	0.0	136.8	311.2	424.2	459.8
95°	0.0	120.9	291.4	402.3	436.0
97.5°	0.0	107.0	271.5	380.5	416.2
100°	0.0	95.1	251.7	356.8	392.4
102.5°	0.0	83.2	231.9	335.0	368.7
105°	0.0	75.3	214.1	313.2	344.9
107.5°	0.0	67.4	198.2	295.3	323.1
110°	0.0	59.5	182.3	273.5	303.2



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.5	168.5	255.7	279.5
115°	0.0	45.6	152.6	235.9	259.6
117.5°	0.0	41.6	140.7	218.0	239.8
120°	0.0	35.7	126.8	200.2	222.0
122.5°	0.0	31.7	115.0	182.3	204.1
125°	0.0	27.7	103.1	166.5	186.3
127.5°	0.0	23.8	93.2	150.6	168.5
130°	0.0	19.8	81.3	134.8	150.6
132.5°	0.0	15.9	71.4	118.9	134.8
135°	0.0	13.9	63.4	105.0	116.9
137.5°	0.0	9.9	53.5	91.2	103.1
140°	0.0	7.9	45.6	79.3	87.2
142.5°	0.0	5.9	35.7	65.4	75.3
145°	0.0	4.0	27.7	53.5	61.4
147.5°	0.0	2.0	19.8	43.6	47.6
150°	0.0	2.0	13.9	33.7	35.7
152.5°	0.0	0.0	9.9	23.8	23.8
155°	0.0	0.0	4.0	13.9	13.9
157.5°	2.0	0.0	2.0	5.9	5.9
160°	2.0	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)