

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-LD5-47SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-47SL-LW-UNV-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

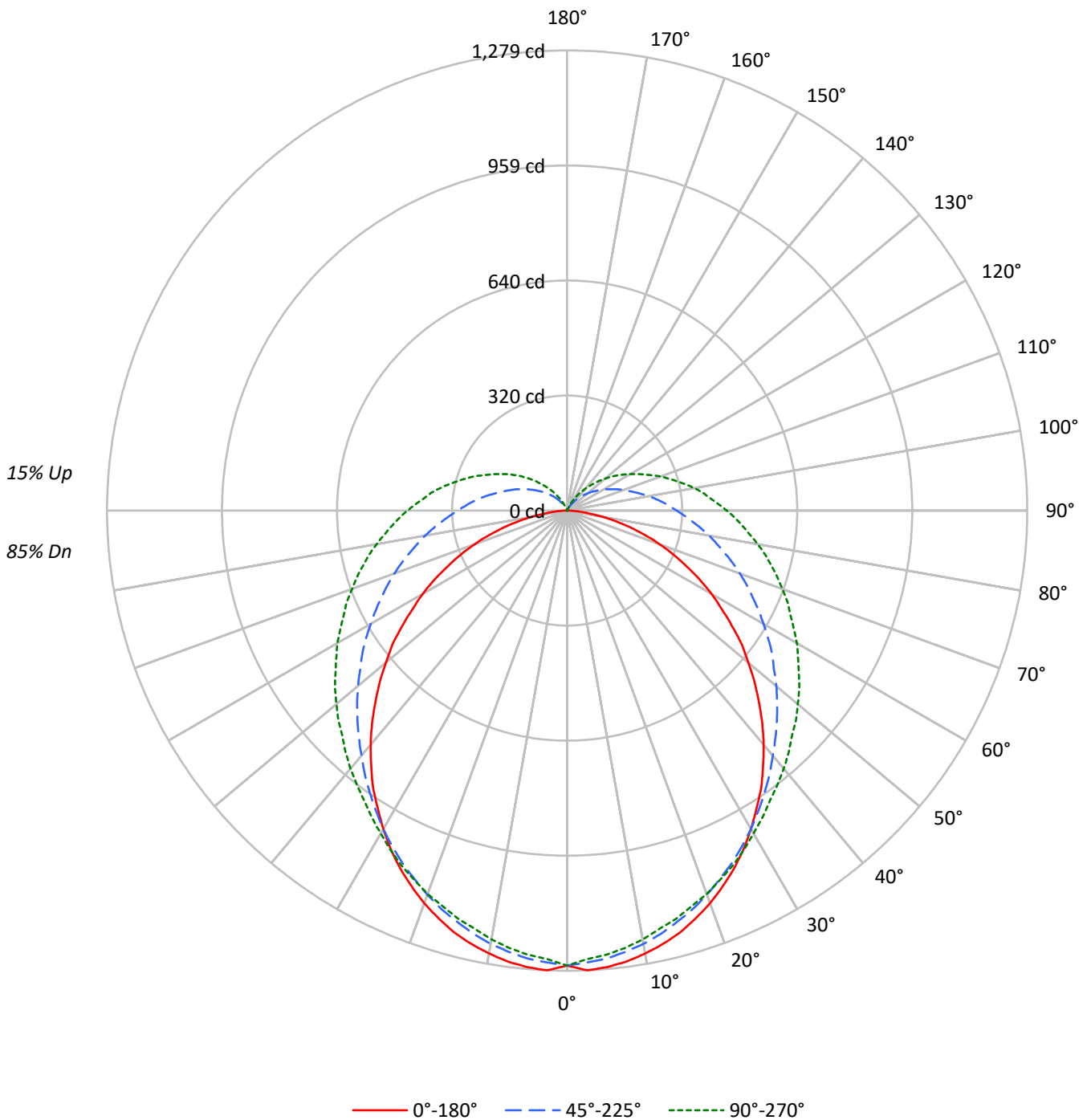
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4865.0 lumens
Efficiency: N/A
Efficacy: 121.9 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): 39.9
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

TEST NUMBER: P#
CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L840-CD1-U

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°	14847	14847	14847
5°	14952	14111	13801
10°	14785	13390	12911
15°	14577	12671	12107
20°	14274	11995	11403
25°	13928	11348	10760
30°	13499	10733	10145
35°	13062	10137	9613
40°	12545	9584	9206
45°	11970	9103	8808
50°	11396	8665	8520
55°	10760	8283	8245
60°	10095	7908	8036
65°	9264	7599	7830
70°	8347	7358	7709
75°	7098	7136	7634
80°	5355	7020	7610
85°	3050	6972	7644



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	2.4
10°-20°	335.8	6.9
20°-30°	501.4	10.3
30°-40°	600.9	12.4
40°-50°	635.7	13.1
50°-60°	613.9	12.6
60°-70°	546.1	11.2
70°-80°	449.0	9.2
80°-90°	343.4	7.1
90°-100°	258.2	5.3
100°-110°	188.4	3.9
110°-120°	129.1	2.7
120°-130°	80.6	1.7
130°-140°	43.0	0.9
140°-150°	17.2	0.4
150°-160°	3.3	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	956.1	19.7
0°-40°	1557.1	32.0
0°-60°	2806.7	57.7
0°-90°	4145.1	85.2
90°-120°	575.8	11.8
90°-150°	716.6	14.7
90°-180°	720.0	14.8
0°-180°	4865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1274	1266	1250	1248	1239	121
15°	1214	1201	1183	1183	1174	342
25°	1098	1087	1082	1094	1089	505
35°	940	936	956	984	984	587
45°	754	775	824	871	884	582
55°	560	610	696	764	786	501
65°	366	449	569	658	685	364
75°	183	302	453	556	587	194
85°	34	187	350	455	489	42
90°	0	143	304	409	444	2
95°	0	110	266	368	398	0
105°	0	69	196	286	315	0
115°	0	42	140	216	237	0
125°	0	25	94	152	170	0
135°	0	13	58	96	107	0
145°	0	4	25	49	56	0
155°	0	0	4	13	13	1
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.4	1264.4	1264.4	1264.4	1264.4
2.5°	1278.9	1271.7	1257.2	1255.4	1248.1
5°	1273.5	1266.2	1249.9	1248.1	1239.1
7.5°	1264.4	1255.4	1237.2	1235.4	1226.4
10°	1249.9	1240.9	1222.7	1220.9	1210.1
12.5°	1233.6	1224.6	1204.6	1202.8	1190.1
15°	1213.7	1201.0	1182.9	1182.9	1173.8
17.5°	1188.3	1177.5	1161.2	1163.0	1152.1
20°	1161.2	1150.3	1135.8	1141.2	1134.0
22.5°	1130.4	1117.7	1108.6	1115.9	1110.4
25°	1097.8	1086.9	1081.5	1094.1	1088.7
27.5°	1061.5	1050.7	1052.5	1065.1	1063.3
30°	1021.7	1014.4	1021.7	1038.0	1036.2
32.5°	980.0	976.4	989.1	1010.8	1010.8
35°	940.2	936.5	956.5	983.6	983.6
37.5°	894.9	896.7	923.9	954.6	960.1
40°	849.6	856.8	889.4	927.5	936.5
42.5°	802.5	815.2	856.8	898.5	911.2
45°	753.6	775.3	824.2	871.3	884.0
47.5°	706.5	733.6	791.6	846.0	862.3
50°	657.6	690.2	759.0	818.8	836.9
52.5°	612.3	650.3	724.6	791.6	813.4
55°	559.7	610.5	695.6	764.4	786.2
57.5°	509.0	568.8	663.0	737.3	760.8
60°	463.7	527.1	630.4	711.9	737.3
62.5°	414.8	487.3	599.6	684.7	710.1
65°	365.9	449.2	568.8	657.6	684.7
67.5°	320.6	409.4	539.8	632.2	663.0
70°	273.5	373.2	510.8	606.8	635.8
72.5°	228.2	336.9	481.9	579.7	612.3
75°	183.0	302.5	452.9	556.1	586.9
77.5°	139.5	269.9	425.7	530.8	563.4
80°	99.6	239.1	400.3	505.4	538.0
82.5°	63.4	210.1	375.0	480.0	512.6
85°	34.4	186.6	349.6	454.7	489.1
87.5°	12.7	161.2	326.1	432.9	467.4
90°	0.0	143.1	304.3	409.4	443.8
92.5°	0.0	125.0	284.4	387.7	420.3
95°	0.0	110.5	266.3	367.7	398.5
97.5°	0.0	97.8	248.2	347.8	380.4
100°	0.0	87.0	230.1	326.1	358.7
102.5°	0.0	76.1	211.9	306.1	336.9
105°	0.0	68.8	195.6	286.2	315.2
107.5°	0.0	61.6	181.1	269.9	295.3
110°	0.0	54.3	166.7	250.0	277.2



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-47SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	48.9	154.0	233.7	255.4
115°	0.0	41.7	139.5	215.6	237.3
117.5°	0.0	38.0	128.6	199.3	219.2
120°	0.0	32.6	115.9	183.0	202.9
122.5°	0.0	29.0	105.1	166.7	186.6
125°	0.0	25.4	94.2	152.2	170.3
127.5°	0.0	21.7	85.1	137.7	154.0
130°	0.0	18.1	74.3	123.2	137.7
132.5°	0.0	14.5	65.2	108.7	123.2
135°	0.0	12.7	58.0	96.0	106.9
137.5°	0.0	9.1	48.9	83.3	94.2
140°	0.0	7.2	41.7	72.5	79.7
142.5°	0.0	5.4	32.6	59.8	68.8
145°	0.0	3.6	25.4	48.9	56.2
147.5°	0.0	1.8	18.1	39.9	43.5
150°	0.0	1.8	12.7	30.8	32.6
152.5°	0.0	0.0	9.1	21.7	21.7
155°	0.0	0.0	3.6	12.7	12.7
157.5°	1.8	0.0	1.8	5.4	5.4
160°	1.8	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)