

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-LD5-44SL-LW-UNV-L835-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-LD5-44SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

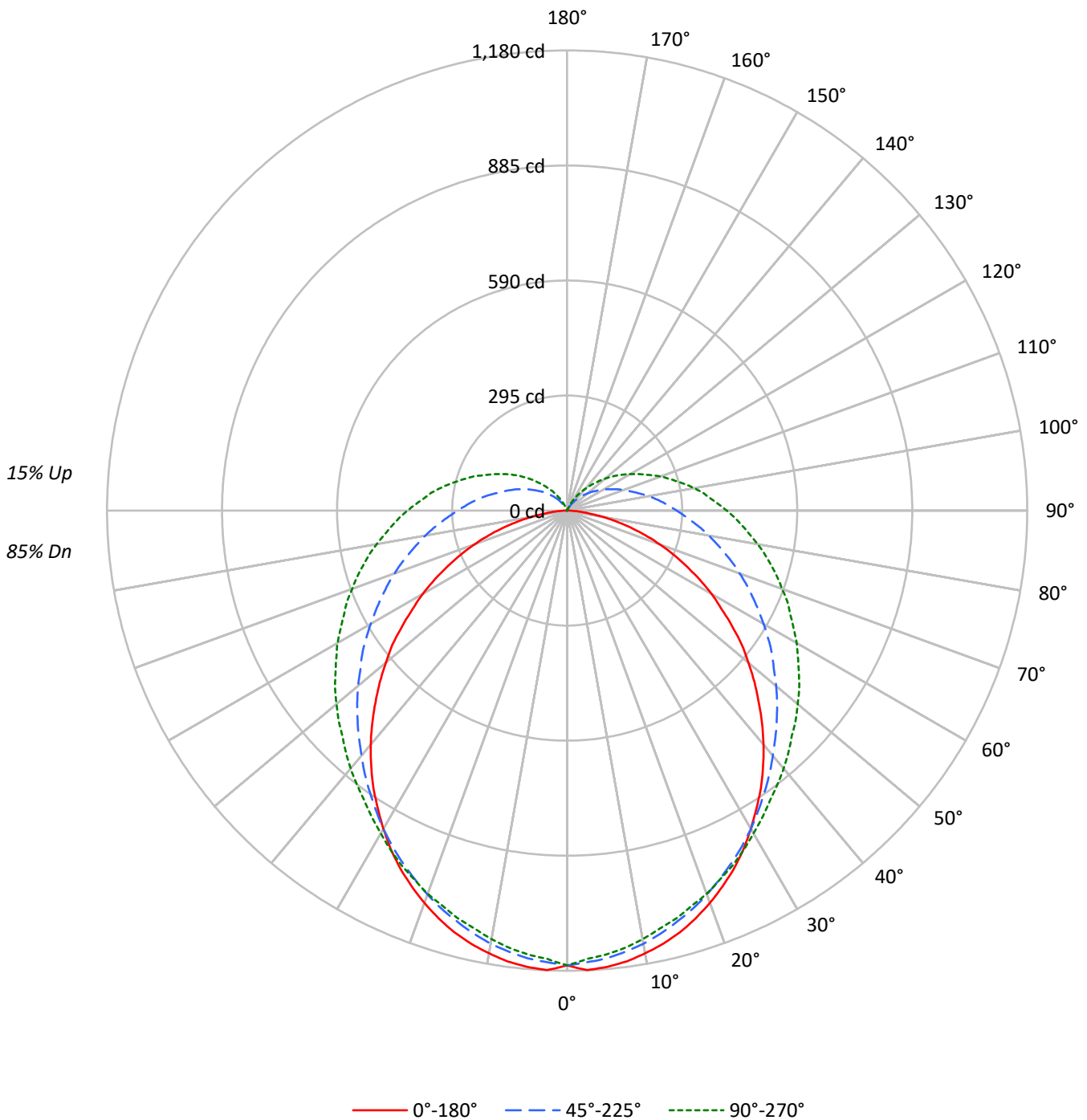
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4487.0 lumens
Efficiency: N/A
Efficacy: 122.3 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): 36.7
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

TEST NUMBER: P#
CATALOG NUMBER: 4SRL-LD5-44SL-LW-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-44SL-LW-UNV-L835-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°	13694	13694	13694
5°	13789	13015	12728
10°	13636	12350	11907
15°	13444	11686	11166
20°	13164	11062	10518
25°	12846	10465	9924
30°	12450	9899	9357
35°	12046	9349	8866
40°	11570	8839	8491
45°	11040	8396	8123
50°	10510	7992	7858
55°	9926	7640	7604
60°	9311	7293	7411
65°	8545	7008	7222
70°	7700	6786	7110
75°	6544	6582	7041
80°	4941	6475	7018
85°	2811	6432	7050



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-44SL-LW-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	2.4
10°-20°	309.7	6.9
20°-30°	462.5	10.3
30°-40°	554.3	12.4
40°-50°	586.3	13.1
50°-60°	566.2	12.6
60°-70°	503.7	11.2
70°-80°	414.1	9.2
80°-90°	316.7	7.1
90°-100°	238.2	5.3
100°-110°	173.8	3.9
110°-120°	119.1	2.7
120°-130°	74.3	1.7
130°-140°	39.6	0.9
140°-150°	15.9	0.4
150°-160°	3.0	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	881.8	19.7
0°-40°	1436.1	32.0
0°-60°	2588.6	57.7
0°-90°	3823.1	85.2
90°-120°	531.0	11.8
90°-150°	660.9	14.7
90°-180°	664.0	14.8
0°-180°	4487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1174	1168	1153	1151	1143	111
15°	1119	1108	1091	1091	1083	315
25°	1012	1002	997	1009	1004	466
35°	867	864	882	907	907	541
45°	695	715	760	804	815	537
55°	516	563	642	705	725	462
65°	338	414	525	606	632	335
75°	169	279	418	513	541	179
85°	32	172	322	419	451	39
90°	0	132	281	378	409	2
95°	0	102	246	339	368	0
105°	0	64	180	264	291	0
115°	0	38	129	199	219	0
125°	0	23	87	140	157	0
135°	0	12	54	88	99	0
145°	0	3	23	45	52	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



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-44SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1166.2	1166.2	1166.2	1166.2	1166.2
2.5°	1179.5	1172.9	1159.5	1157.8	1151.1
5°	1174.5	1167.8	1152.8	1151.1	1142.8
7.5°	1166.2	1157.8	1141.1	1139.4	1131.1
10°	1152.8	1144.4	1127.7	1126.1	1116.0
12.5°	1137.8	1129.4	1111.0	1109.4	1097.7
15°	1119.4	1107.7	1091.0	1091.0	1082.6
17.5°	1096.0	1086.0	1070.9	1072.6	1062.6
20°	1070.9	1060.9	1047.5	1052.6	1045.9
22.5°	1042.5	1030.8	1022.5	1029.2	1024.2
25°	1012.5	1002.4	997.4	1009.1	1004.1
27.5°	979.0	969.0	970.7	982.4	980.7
30°	942.3	935.6	942.3	957.3	955.7
32.5°	903.9	900.5	912.2	932.3	932.3
35°	867.1	863.8	882.1	907.2	907.2
37.5°	825.3	827.0	852.1	880.5	885.5
40°	783.6	790.3	820.3	855.4	863.8
42.5°	740.1	751.8	790.3	828.7	840.4
45°	695.0	715.1	760.2	803.6	815.3
47.5°	651.6	676.6	730.1	780.2	795.3
50°	606.5	636.5	700.0	755.2	771.9
52.5°	564.7	599.8	668.3	730.1	750.2
55°	516.3	563.0	641.6	705.0	725.1
57.5°	469.5	524.6	611.5	680.0	701.7
60°	427.7	486.2	581.4	656.6	680.0
62.5°	382.6	449.4	553.0	631.5	654.9
65°	337.5	414.3	524.6	606.5	631.5
67.5°	295.7	377.6	497.9	583.1	611.5
70°	252.3	344.2	471.1	559.7	586.4
72.5°	210.5	310.8	444.4	534.6	564.7
75°	168.7	279.0	417.7	512.9	541.3
77.5°	128.6	248.9	392.6	489.5	519.6
80°	91.9	220.5	369.2	466.1	496.2
82.5°	58.5	193.8	345.8	442.7	472.8
85°	31.7	172.1	322.5	419.4	451.1
87.5°	11.7	148.7	300.7	399.3	431.0
90°	0.0	132.0	280.7	377.6	409.3
92.5°	0.0	115.3	262.3	357.5	387.6
95°	0.0	101.9	245.6	339.2	367.6
97.5°	0.0	90.2	228.9	320.8	350.9
100°	0.0	80.2	212.2	300.7	330.8
102.5°	0.0	70.2	195.5	282.4	310.8
105°	0.0	63.5	180.4	264.0	290.7
107.5°	0.0	56.8	167.1	248.9	272.3
110°	0.0	50.1	153.7	230.6	255.6



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-44SL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.1	142.0	215.5	235.6
115°	0.0	38.4	128.6	198.8	218.9
117.5°	0.0	35.1	118.6	183.8	202.2
120°	0.0	30.1	106.9	168.7	187.1
122.5°	0.0	26.7	96.9	153.7	172.1
125°	0.0	23.4	86.9	140.3	157.0
127.5°	0.0	20.0	78.5	127.0	142.0
130°	0.0	16.7	68.5	113.6	127.0
132.5°	0.0	13.4	60.1	100.2	113.6
135°	0.0	11.7	53.5	88.5	98.6
137.5°	0.0	8.4	45.1	76.9	86.9
140°	0.0	6.7	38.4	66.8	73.5
142.5°	0.0	5.0	30.1	55.1	63.5
145°	0.0	3.3	23.4	45.1	51.8
147.5°	0.0	1.7	16.7	36.8	40.1
150°	0.0	1.7	11.7	28.4	30.1
152.5°	0.0	0.0	8.4	20.0	20.0
155°	0.0	0.0	3.3	11.7	11.7
157.5°	1.7	0.0	1.7	5.0	5.0
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)