

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-LD5-34SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-34SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

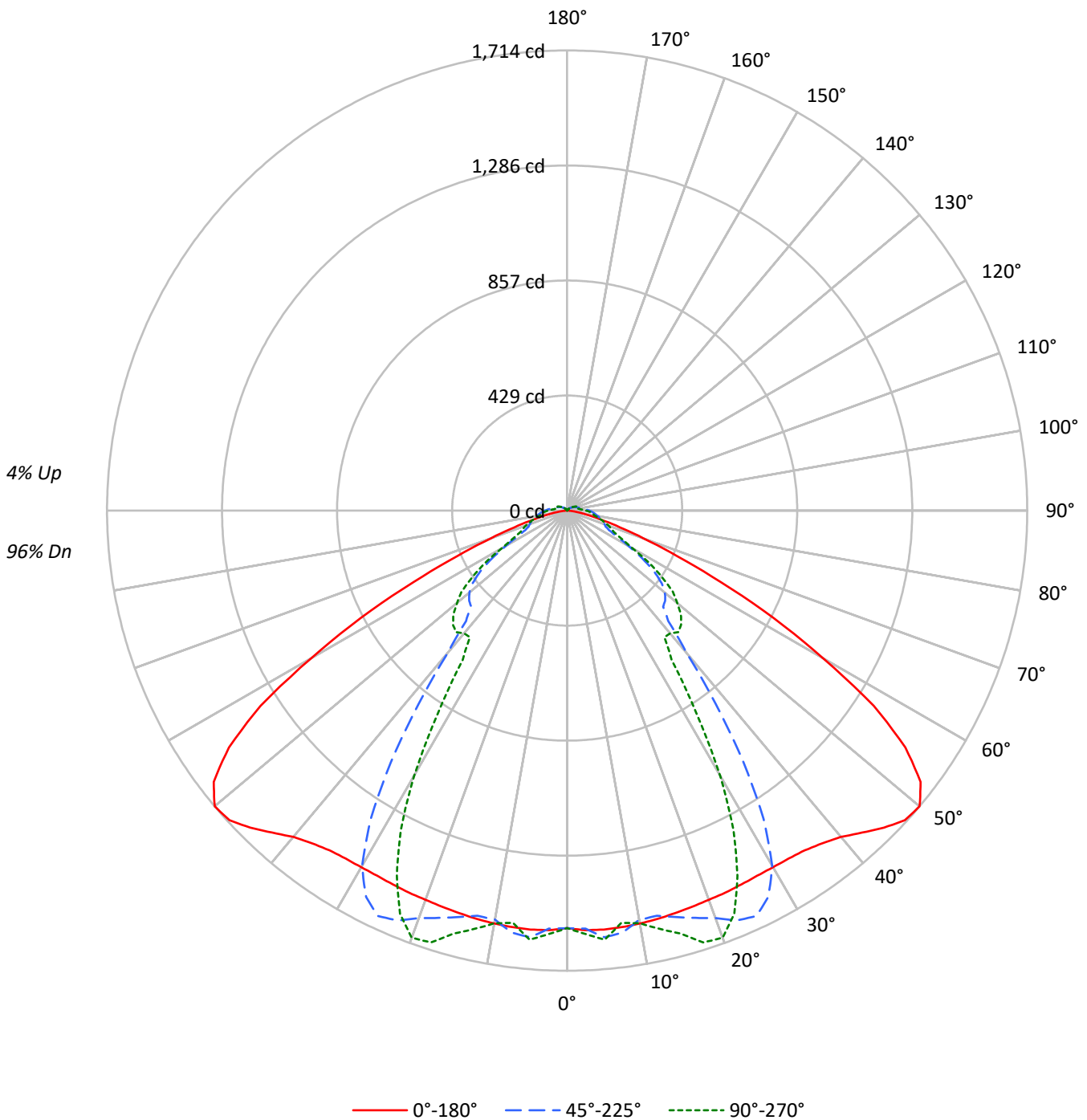
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3751.0 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 23.1
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

TEST NUMBER: P#
CATALOG NUMBER: 4SRL-LD5-34SL-LC-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-34SL-LC-UNV-L850-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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96				
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83				
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72				
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62				
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54				
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48				
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43				
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38				
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35				
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32				
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18264	18264	18264
5°	18393	18012	17867
10°	18474	16946	16655
15°	18643	16789	16818
20°	18963	17059	17025
25°	19490	17487	14835
30°	20265	16045	11162
35°	21453	12134	6631
40°	23427	7432	5867
45°	26524	5585	5987
50°	29699	5425	5449
55°	29563	4706	4505
60°	24002	3322	3052
65°	15962	2298	2214
70°	9205	2132	1998
75°	5058	2093	1696
80°	2796	2006	1448
85°	1277	1978	1425



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-34SL-LC-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	4.0
10°-20°	451.0	12.0
20°-30°	717.7	19.1
30°-40°	731.4	19.5
40°-50°	617.8	16.5
50°-60°	476.2	12.7
60°-70°	246.0	6.6
70°-80°	135.9	3.6
80°-90°	86.5	2.3
90°-100°	53.2	1.4
100°-110°	34.3	0.9
110°-120°	24.9	0.7
120°-130°	14.4	0.4
130°-140°	6.9	0.2
140°-150°	2.9	0.1
150°-160°	1.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1319.0	35.2
0°-40°	2050.5	54.7
0°-60°	3144.4	83.8
0°-90°	3612.8	96.3
90°-120°	112.4	3.0
90°-150°	136.7	3.6
90°-180°	138.0	3.7
0°-180°	3751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1555	1555	1555	1555	1555	
5°	1567	1572	1595	1611	1604	149
15°	1552	1553	1567	1623	1631	440
25°	1536	1547	1667	1585	1501	711
35°	1544	1617	1145	778	678	975
45°	1670	974	506	583	601	1290
55°	1538	358	395	430	430	1332
65°	630	164	172	194	194	650
75°	130	108	133	134	130	157
85°	14	70	99	96	91	20
90°	0	54	82	76	70	1
95°	0	42	66	58	53	0
105°	0	26	43	40	38	0
115°	1	15	31	38	37	0
125°	1	8	20	24	22	1
135°	1	4	11	14	11	1
145°	1	2	6	7	6	1
155°	1	1	2	3	2	0
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-34SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1555.4	1555.4	1555.4	1555.4	1555.4
2.5°	1564.2	1558.6	1558.6	1578.6	1578.6
5°	1566.6	1572.2	1595.4	1610.6	1604.2
7.5°	1565.0	1590.6	1585.0	1562.6	1548.2
10°	1561.8	1600.2	1547.4	1562.6	1561.0
12.5°	1557.8	1585.8	1545.8	1599.4	1596.2
15°	1552.2	1553.0	1567.4	1623.4	1630.6
17.5°	1547.4	1532.2	1590.6	1665.8	1686.6
20°	1542.6	1525.8	1615.4	1701.8	1693.0
22.5°	1540.2	1531.4	1652.2	1674.6	1625.8
25°	1536.2	1546.6	1666.6	1585.0	1501.0
27.5°	1533.0	1564.2	1622.6	1432.1	1342.5
30°	1533.8	1589.0	1527.4	1252.9	1140.1
32.5°	1536.2	1613.0	1361.7	1012.9	896.1
35°	1544.2	1617.0	1144.9	778.5	678.5
37.5°	1561.8	1573.0	908.9	616.1	594.5
40°	1586.6	1440.1	689.7	575.3	596.9
42.5°	1626.6	1216.9	557.7	581.7	613.7
45°	1669.8	974.5	505.7	583.3	600.9
47.5°	1706.6	719.3	495.3	561.7	574.5
50°	1713.8	541.7	475.2	527.3	535.3
52.5°	1659.4	428.0	443.2	481.6	496.1
55°	1537.8	358.4	395.2	429.6	429.6
57.5°	1354.5	304.0	332.0	364.8	361.6
60°	1102.5	250.4	264.8	284.8	280.0
62.5°	867.3	200.8	205.6	227.2	230.4
65°	630.5	164.0	172.0	193.6	193.6
67.5°	442.4	140.0	155.2	175.2	176.8
70°	301.6	126.4	148.0	164.0	164.8
72.5°	205.6	116.8	140.8	149.6	147.2
75°	130.4	108.0	132.8	133.6	130.4
77.5°	84.8	98.4	124.8	118.4	116.0
80°	52.0	88.8	114.4	106.4	102.4
82.5°	29.6	79.2	106.4	100.8	96.8
85°	14.4	70.4	99.2	96.0	91.2
87.5°	5.6	62.4	91.2	86.4	81.6
90°	0.0	54.4	82.4	76.0	70.4
92.5°	0.0	48.0	73.6	65.6	60.8
95°	0.0	42.4	65.6	57.6	52.8
97.5°	0.0	37.6	58.4	51.2	45.6
100°	0.0	33.6	52.8	45.6	41.6
102.5°	0.0	29.6	47.2	42.4	40.0
105°	0.0	25.6	43.2	40.0	37.6
107.5°	0.0	22.4	39.2	38.4	36.8
110°	0.0	20.0	36.8	37.6	38.4



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-34SL-LC-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.6	33.6	38.4	39.2
115°	0.8	15.2	31.2	37.6	36.8
117.5°	0.8	12.8	28.0	33.6	32.0
120°	0.8	11.2	25.6	30.4	28.0
122.5°	0.8	9.6	22.4	26.4	24.8
125°	0.8	8.0	20.0	24.0	21.6
127.5°	0.8	7.2	17.6	20.8	19.2
130°	0.8	6.4	15.2	18.4	16.8
132.5°	0.8	4.8	13.6	16.0	13.6
135°	0.8	4.0	11.2	13.6	11.2
137.5°	0.8	3.2	9.6	11.2	9.6
140°	0.8	2.4	8.0	9.6	8.0
142.5°	0.8	2.4	6.4	8.8	6.4
145°	0.8	1.6	5.6	7.2	5.6
147.5°	0.8	1.6	4.8	6.4	4.8
150°	0.8	1.6	4.0	5.6	3.2
152.5°	0.8	0.8	3.2	4.8	2.4
155°	0.8	0.8	2.4	3.2	1.6
157.5°	0.8	0.8	2.4	2.4	1.6
160°	0.8	0.8	2.4	2.4	0.8
162.5°	0.8	0.8	1.6	1.6	0.0
165°	0.8	1.6	1.6	1.6	0.0
167.5°	0.8	1.6	1.6	1.6	0.0
170°	0.8	1.6	1.6	1.6	0.0
172.5°	0.8	1.6	1.6	1.6	0.0
175°	1.6	1.6	1.6	1.6	0.0
177.5°	1.6	1.6	1.6	1.6	0.0
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)