

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-LD5-61SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SRL-LD5-61SL-LW-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

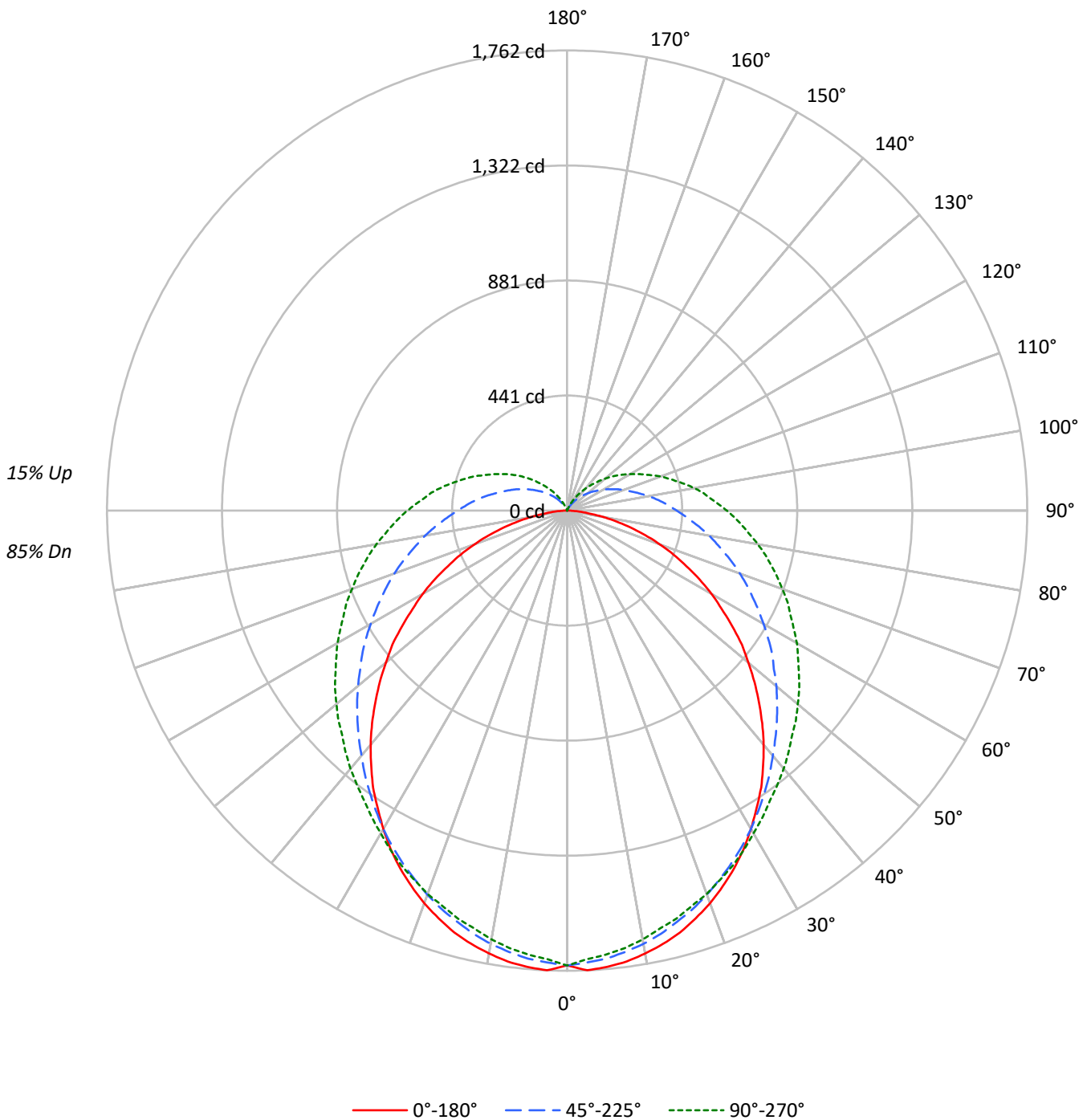
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6702.0 lumens
Efficiency: N/A
Efficacy: 145.1 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): 46.2
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°	10226	10226	10226
5°	10319	9733	9505
10°	10225	9248	8893
15°	10101	8760	8340
20°	9912	8303	7855
25°	9694	7864	7412
30°	9419	7446	6988
35°	9138	7041	6621
40°	8802	6665	6341
45°	8428	6338	6067
50°	8056	6041	5868
55°	7645	5783	5679
60°	7217	5529	5535
65°	6678	5322	5394
70°	6088	5164	5310
75°	5270	5020	5258
80°	4112	4953	5242
85°	2535	4937	5266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	2.4
10°-20°	462.5	6.9
20°-30°	690.8	10.3
30°-40°	827.9	12.4
40°-50°	875.7	13.1
50°-60°	845.7	12.6
60°-70°	752.3	11.2
70°-80°	618.5	9.2
80°-90°	473.0	7.1
90°-100°	355.7	5.3
100°-110°	259.6	3.9
110°-120°	177.9	2.7
120°-130°	111.0	1.7
130°-140°	59.2	0.9
140°-150°	23.7	0.4
150°-160°	4.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1317.2	19.7
0°-40°	2145.0	32.0
0°-60°	3866.5	57.7
0°-90°	5710.4	85.2
90°-120°	793.2	11.8
90°-150°	987.1	14.7
90°-180°	992.0	14.8
0°-180°	6702.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1742	1742	1742	1742	1742	
5°	1754	1744	1722	1719	1707	166
15°	1672	1654	1630	1630	1617	471
25°	1512	1497	1490	1507	1500	696
35°	1295	1290	1318	1355	1355	809
45°	1038	1068	1135	1200	1218	802
55°	771	841	958	1053	1083	690
65°	504	619	784	906	943	501
75°	252	417	624	766	808	268
85°	47	257	482	626	674	58
90°	0	197	419	564	611	2
95°	0	152	367	507	549	0
105°	0	95	270	394	434	0
115°	0	57	192	297	327	0
125°	0	35	130	210	235	0
135°	0	18	80	132	147	0
145°	0	5	35	67	77	0
155°	0	0	5	18	18	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°	1741.8	1741.8	1741.8	1741.8	1741.8
2.5°	1761.8	1751.8	1731.9	1729.4	1719.4
5°	1754.3	1744.3	1721.9	1719.4	1706.9
7.5°	1741.8	1729.4	1704.4	1701.9	1689.4
10°	1721.9	1709.4	1684.5	1682.0	1667.0
12.5°	1699.4	1686.9	1659.5	1657.0	1639.5
15°	1672.0	1654.5	1629.5	1629.5	1617.1
17.5°	1637.0	1622.1	1599.6	1602.1	1587.1
20°	1599.6	1584.6	1564.7	1572.2	1562.2
22.5°	1557.2	1539.7	1527.2	1537.2	1529.7
25°	1512.3	1497.3	1489.8	1507.3	1499.8
27.5°	1462.4	1447.4	1449.9	1467.3	1464.8
30°	1407.5	1397.5	1407.5	1429.9	1427.4
32.5°	1350.1	1345.1	1362.5	1392.5	1392.5
35°	1295.2	1290.2	1317.6	1355.0	1355.0
37.5°	1232.8	1235.3	1272.7	1315.1	1322.6
40°	1170.4	1180.4	1225.3	1277.7	1290.2
42.5°	1105.5	1123.0	1180.4	1237.8	1255.2
45°	1038.1	1068.1	1135.4	1200.3	1217.8
47.5°	973.2	1010.7	1090.5	1165.4	1187.8
50°	905.9	950.8	1045.6	1128.0	1152.9
52.5°	843.5	895.9	998.2	1090.5	1120.5
55°	771.1	841.0	958.3	1053.1	1083.0
57.5°	701.2	783.6	913.3	1015.7	1048.1
60°	638.8	726.2	868.4	980.7	1015.7
62.5°	571.5	671.3	826.0	943.3	978.2
65°	504.1	618.9	783.6	905.9	943.3
67.5°	441.7	564.0	743.7	870.9	913.3
70°	376.8	514.1	703.7	836.0	875.9
72.5°	314.4	464.2	663.8	798.6	843.5
75°	252.0	416.7	623.9	766.1	808.5
77.5°	192.2	371.8	586.4	731.2	776.1
80°	137.3	329.4	551.5	696.2	741.2
82.5°	87.3	289.5	516.6	661.3	706.2
85°	47.4	257.0	481.6	626.4	673.8
87.5°	17.5	222.1	449.2	596.4	643.8
90°	0.0	197.1	419.2	564.0	611.4
92.5°	0.0	172.2	391.8	534.0	579.0
95°	0.0	152.2	366.8	506.6	549.0
97.5°	0.0	134.8	341.9	479.1	524.1
100°	0.0	119.8	316.9	449.2	494.1
102.5°	0.0	104.8	292.0	421.7	464.2
105°	0.0	94.8	269.5	394.3	434.2
107.5°	0.0	84.8	249.5	371.8	406.8
110°	0.0	74.9	229.6	344.4	381.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	67.4	212.1	321.9	351.9
115°	0.0	57.4	192.2	297.0	326.9
117.5°	0.0	52.4	177.2	274.5	302.0
120°	0.0	44.9	159.7	252.0	279.5
122.5°	0.0	39.9	144.7	229.6	257.0
125°	0.0	34.9	129.8	209.6	234.6
127.5°	0.0	29.9	117.3	189.7	212.1
130°	0.0	25.0	102.3	169.7	189.7
132.5°	0.0	20.0	89.8	149.7	169.7
135°	0.0	17.5	79.9	132.3	147.2
137.5°	0.0	12.5	67.4	114.8	129.8
140°	0.0	10.0	57.4	99.8	109.8
142.5°	0.0	7.5	44.9	82.4	94.8
145°	0.0	5.0	34.9	67.4	77.4
147.5°	0.0	2.5	25.0	54.9	59.9
150°	0.0	2.5	17.5	42.4	44.9
152.5°	0.0	0.0	12.5	29.9	29.9
155°	0.0	0.0	5.0	17.5	17.5
157.5°	2.5	0.0	2.5	7.5	7.5
160°	2.5	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)