

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-LD5-67SL-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-LD5-67SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

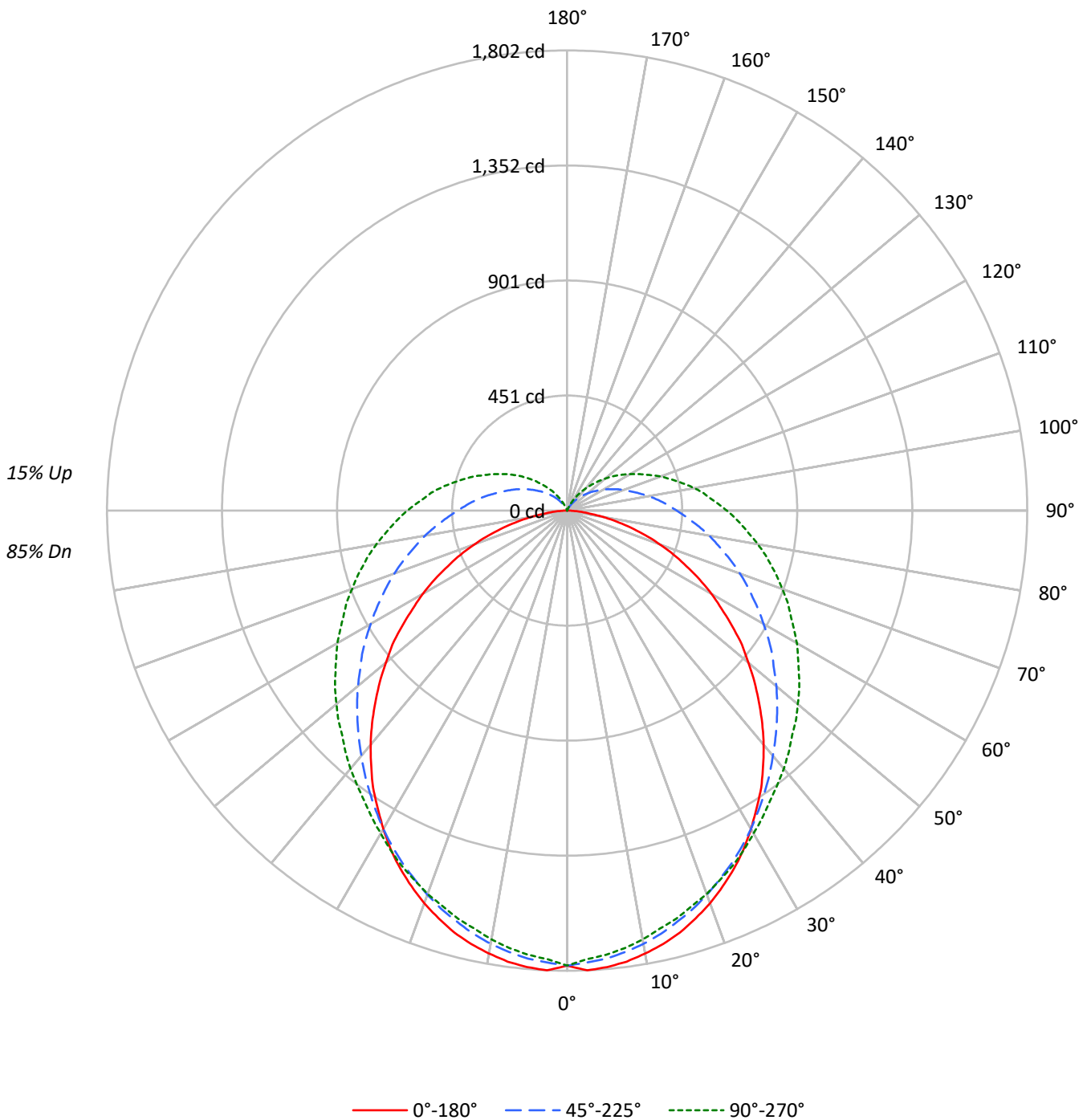
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6855.0 lumens
Efficiency: N/A
Efficacy: 127.9 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): 53.6
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	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°	10460	10460	10460
5°	10555	9955	9723
10°	10458	9459	9096
15°	10332	8961	8530
20°	10139	8493	8034
25°	9915	8043	7581
30°	9633	7616	7147
35°	9346	7201	6773
40°	9003	6817	6486
45°	8620	6483	6205
50°	8239	6179	6002
55°	7819	5915	5809
60°	7382	5656	5661
65°	6830	5444	5517
70°	6227	5282	5431
75°	5391	5134	5378
80°	4205	5066	5361
85°	2593	5049	5386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	2.4
10°-20°	473.1	6.9
20°-30°	706.5	10.3
30°-40°	846.8	12.4
40°-50°	895.7	13.1
50°-60°	865.0	12.6
60°-70°	769.5	11.2
70°-80°	632.6	9.2
80°-90°	483.8	7.1
90°-100°	363.8	5.3
100°-110°	265.5	3.9
110°-120°	181.9	2.7
120°-130°	113.5	1.7
130°-140°	60.6	0.9
140°-150°	24.3	0.4
150°-160°	4.6	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1347.2	19.7
0°-40°	2194.0	32.0
0°-60°	3954.8	57.7
0°-90°	5840.7	85.2
90°-120°	811.3	11.8
90°-150°	1009.6	14.7
90°-180°	1014.0	14.8
0°-180°	6855.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1782	1782	1782	1782	1782	
5°	1794	1784	1761	1759	1746	170
15°	1710	1692	1667	1667	1654	482
25°	1547	1532	1524	1542	1534	712
35°	1325	1320	1348	1386	1386	827
45°	1062	1092	1161	1228	1246	820
55°	789	860	980	1077	1108	706
65°	516	633	802	926	965	512
75°	258	426	638	784	827	274
85°	48	263	493	641	689	59
90°	0	202	429	577	625	2
95°	0	156	375	518	562	0
105°	0	97	276	403	444	0
115°	0	59	196	304	334	0
125°	0	36	133	214	240	0
135°	0	18	82	135	151	0
145°	0	5	36	69	79	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



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1781.6	1781.6	1781.6	1781.6	1781.6
2.5°	1802.0	1791.8	1771.4	1768.8	1758.6
5°	1794.4	1784.2	1761.2	1758.6	1745.9
7.5°	1781.6	1768.8	1743.3	1740.8	1728.0
10°	1761.2	1748.4	1722.9	1720.4	1705.0
12.5°	1738.2	1725.5	1697.4	1694.8	1677.0
15°	1710.1	1692.3	1666.8	1666.8	1654.0
17.5°	1674.4	1659.1	1636.1	1638.7	1623.4
20°	1636.1	1620.8	1600.4	1608.0	1597.8
22.5°	1592.7	1574.9	1562.1	1572.3	1564.7
25°	1546.8	1531.5	1523.8	1541.7	1534.0
27.5°	1495.7	1480.4	1483.0	1500.8	1498.3
30°	1439.6	1429.4	1439.6	1462.6	1460.0
32.5°	1380.9	1375.8	1393.6	1424.3	1424.3
35°	1324.7	1319.6	1347.7	1386.0	1386.0
37.5°	1260.9	1263.5	1301.8	1345.1	1352.8
40°	1197.1	1207.3	1253.3	1306.9	1319.6
42.5°	1130.7	1148.6	1207.3	1266.0	1283.9
45°	1061.8	1092.4	1161.4	1227.7	1245.6
47.5°	995.5	1033.7	1115.4	1192.0	1215.0
50°	926.5	972.5	1069.5	1153.7	1179.2
52.5°	862.7	916.3	1021.0	1115.4	1146.1
55°	788.7	860.2	980.1	1077.1	1107.8
57.5°	717.2	801.5	934.2	1038.8	1072.0
60°	653.4	742.8	888.3	1003.1	1038.8
62.5°	584.5	686.6	844.9	964.8	1000.6
65°	515.6	633.0	801.5	926.5	964.8
67.5°	451.8	576.9	760.6	890.8	934.2
70°	385.4	525.8	719.8	855.1	895.9
72.5°	321.6	474.8	679.0	816.8	862.7
75°	257.8	426.3	638.1	783.6	827.0
77.5°	196.5	380.3	599.8	747.9	793.8
80°	140.4	336.9	564.1	712.1	758.1
82.5°	89.3	296.1	528.4	676.4	722.3
85°	48.5	262.9	492.6	640.7	689.2
87.5°	17.9	227.2	459.4	610.0	658.5
90°	0.0	201.6	428.8	576.9	625.4
92.5°	0.0	176.1	400.7	546.2	592.2
95°	0.0	155.7	375.2	518.1	561.5
97.5°	0.0	137.8	349.7	490.1	536.0
100°	0.0	122.5	324.2	459.4	505.4
102.5°	0.0	107.2	298.6	431.4	474.8
105°	0.0	97.0	275.7	403.3	444.1
107.5°	0.0	86.8	255.2	380.3	416.0
110°	0.0	76.6	234.8	352.2	390.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	68.9	217.0	329.3	359.9
115°	0.0	58.7	196.5	303.7	334.4
117.5°	0.0	53.6	181.2	280.8	308.8
120°	0.0	45.9	163.4	257.8	285.9
122.5°	0.0	40.8	148.0	234.8	262.9
125°	0.0	35.7	132.7	214.4	239.9
127.5°	0.0	30.6	120.0	194.0	217.0
130°	0.0	25.5	104.7	173.6	194.0
132.5°	0.0	20.4	91.9	153.1	173.6
135°	0.0	17.9	81.7	135.3	150.6
137.5°	0.0	12.8	68.9	117.4	132.7
140°	0.0	10.2	58.7	102.1	112.3
142.5°	0.0	7.7	45.9	84.2	97.0
145°	0.0	5.1	35.7	68.9	79.1
147.5°	0.0	2.6	25.5	56.2	61.3
150°	0.0	2.6	17.9	43.4	45.9
152.5°	0.0	0.0	12.8	30.6	30.6
155°	0.0	0.0	5.1	17.9	17.9
157.5°	2.6	0.0	2.6	7.7	7.7
160°	2.6	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)