

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-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-LD5-67SL-LW-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

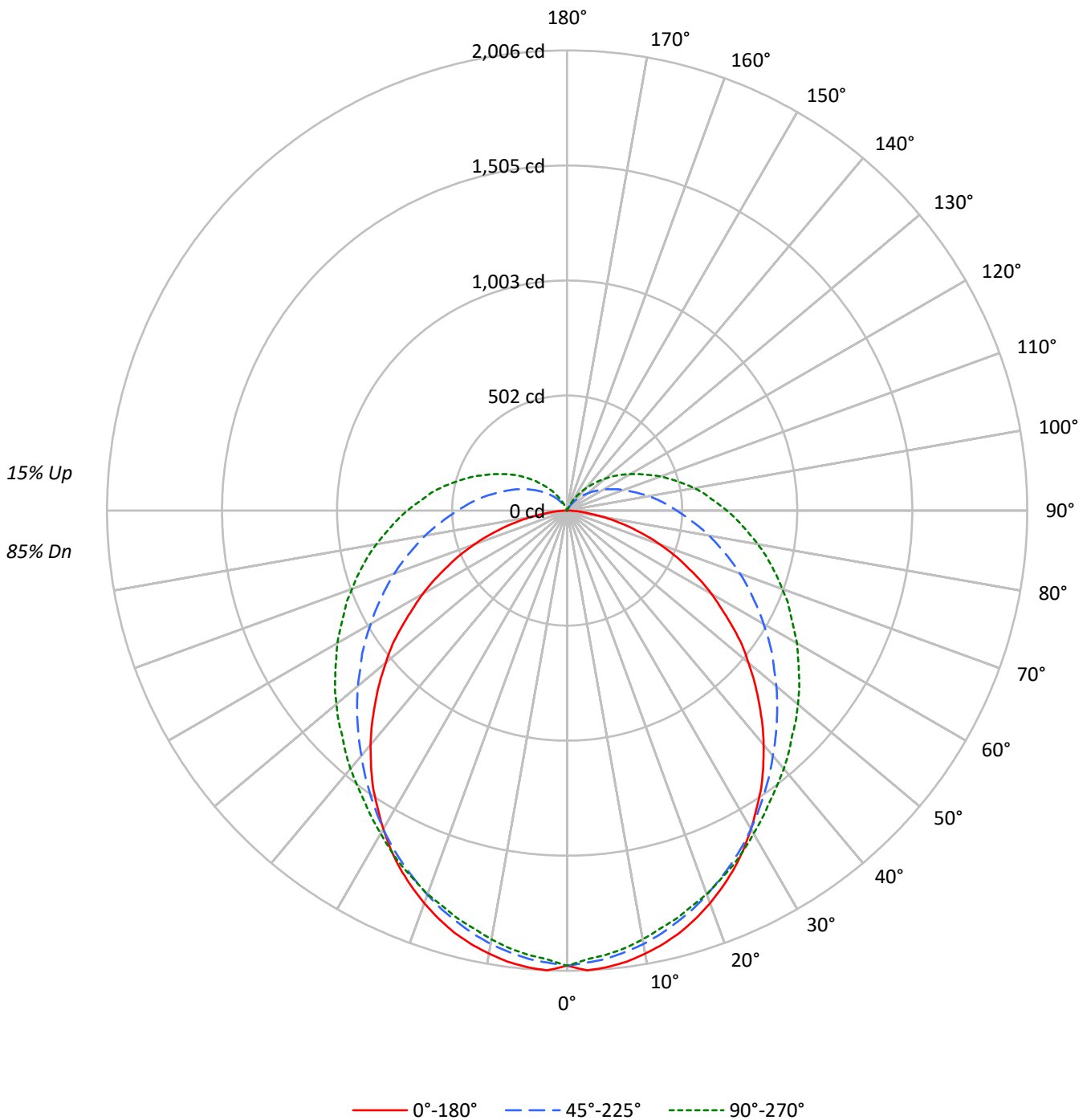
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7633.0 lumens
Efficiency: N/A
Efficacy: 142.4 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 (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: 8SRL-LD5-67SL-LW-UNV-L850-CD1-U

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	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°	11647	11647	11647
5°	11752	11085	10826
10°	11645	10532	10128
15°	11504	9978	9498
20°	11289	9456	8946
25°	11040	8956	8441
30°	10727	8481	7958
35°	10407	8018	7541
40°	10025	7591	7222
45°	9599	7219	6910
50°	9175	6880	6684
55°	8707	6586	6468
60°	8220	6297	6304
65°	7605	6061	6143
70°	6935	5881	6048
75°	6004	5717	5989
80°	4681	5641	5970
85°	2888	5622	5997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	2.4
10°-20°	526.8	6.9
20°-30°	786.7	10.3
30°-40°	942.9	12.4
40°-50°	997.4	13.1
50°-60°	963.2	12.6
60°-70°	856.8	11.2
70°-80°	704.4	9.2
80°-90°	538.7	7.1
90°-100°	405.1	5.3
100°-110°	295.7	3.9
110°-120°	202.5	2.7
120°-130°	126.4	1.7
130°-140°	67.4	0.9
140°-150°	27.0	0.4
150°-160°	5.2	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1500.1	19.7
0°-40°	2443.0	32.0
0°-60°	4403.6	57.7
0°-90°	6503.6	85.2
90°-120°	903.4	11.8
90°-150°	1124.2	14.7
90°-180°	1129.0	14.8
0°-180°	7633.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1984	1984	1984	1984	1984	
5°	1998	1987	1961	1958	1944	190
15°	1904	1884	1856	1856	1842	536
25°	1722	1705	1697	1717	1708	792
35°	1475	1469	1501	1543	1543	921
45°	1182	1216	1293	1367	1387	913
55°	878	958	1091	1199	1234	786
65°	574	705	892	1032	1074	570
75°	287	475	710	872	921	305
85°	54	293	548	713	767	66
90°	0	224	478	642	696	3
95°	0	173	418	577	625	0
105°	0	108	307	449	494	0
115°	0	65	219	338	372	0
125°	0	40	148	239	267	0
135°	0	20	91	151	168	0
145°	0	6	40	77	88	0
155°	0	0	6	20	20	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: 8SRL-LD5-67SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1983.8	1983.8	1983.8	1983.8	1983.8
2.5°	2006.5	1995.2	1972.4	1969.6	1958.2
5°	1998.0	1986.7	1961.1	1958.2	1944.0
7.5°	1983.8	1969.6	1941.2	1938.3	1924.1
10°	1961.1	1946.9	1918.4	1915.6	1898.5
12.5°	1935.5	1921.3	1890.0	1887.2	1867.3
15°	1904.2	1884.3	1855.9	1855.9	1841.7
17.5°	1864.4	1847.4	1821.8	1824.7	1807.6
20°	1821.8	1804.8	1782.0	1790.5	1779.2
22.5°	1773.5	1753.6	1739.4	1750.8	1742.2
25°	1722.3	1705.3	1696.8	1716.7	1708.1
27.5°	1665.5	1648.4	1651.3	1671.2	1668.3
30°	1603.0	1591.6	1603.0	1628.5	1625.7
32.5°	1537.6	1531.9	1551.8	1585.9	1585.9
35°	1475.1	1469.4	1500.6	1543.3	1543.3
37.5°	1404.0	1406.9	1449.5	1497.8	1506.3
40°	1333.0	1344.3	1395.5	1455.2	1469.4
42.5°	1259.1	1279.0	1344.3	1409.7	1429.6
45°	1182.3	1216.4	1293.2	1367.1	1387.0
47.5°	1108.4	1151.1	1242.0	1327.3	1352.9
50°	1031.7	1082.9	1190.9	1284.6	1313.1
52.5°	960.6	1020.3	1136.9	1242.0	1276.1
55°	878.2	957.8	1091.4	1199.4	1233.5
57.5°	798.6	892.4	1040.2	1156.8	1193.7
60°	727.6	827.1	989.1	1117.0	1156.8
62.5°	650.8	764.5	940.7	1074.3	1114.1
65°	574.1	704.9	892.4	1031.7	1074.3
67.5°	503.1	642.3	847.0	991.9	1040.2
70°	429.2	585.5	801.5	952.1	997.6
72.5°	358.1	528.6	756.0	909.5	960.6
75°	287.1	474.6	710.5	872.5	920.9
77.5°	218.8	423.5	667.9	832.7	883.9
80°	156.3	375.2	628.1	793.0	844.1
82.5°	99.5	329.7	588.3	753.2	804.3
85°	54.0	292.7	548.5	713.4	767.4
87.5°	19.9	253.0	511.6	679.3	733.3
90°	0.0	224.5	477.5	642.3	696.3
92.5°	0.0	196.1	446.2	608.2	659.4
95°	0.0	173.4	417.8	577.0	625.3
97.5°	0.0	153.5	389.4	545.7	596.8
100°	0.0	136.4	361.0	511.6	562.7
102.5°	0.0	119.4	332.5	480.3	528.6
105°	0.0	108.0	307.0	449.1	494.5
107.5°	0.0	96.6	284.2	423.5	463.3
110°	0.0	85.3	261.5	392.2	434.8



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-67SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	76.7	241.6	366.6	400.7
115°	0.0	65.4	218.8	338.2	372.3
117.5°	0.0	59.7	201.8	312.6	343.9
120°	0.0	51.2	181.9	287.1	318.3
122.5°	0.0	45.5	164.8	261.5	292.7
125°	0.0	39.8	147.8	238.7	267.2
127.5°	0.0	34.1	133.6	216.0	241.6
130°	0.0	28.4	116.5	193.3	216.0
132.5°	0.0	22.7	102.3	170.5	193.3
135°	0.0	19.9	90.9	150.6	167.7
137.5°	0.0	14.2	76.7	130.7	147.8
140°	0.0	11.4	65.4	113.7	125.1
142.5°	0.0	8.5	51.2	93.8	108.0
145°	0.0	5.7	39.8	76.7	88.1
147.5°	0.0	2.8	28.4	62.5	68.2
150°	0.0	2.8	19.9	48.3	51.2
152.5°	0.0	0.0	14.2	34.1	34.1
155°	0.0	0.0	5.7	19.9	19.9
157.5°	2.8	0.0	2.8	8.5	8.5
160°	2.8	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)