

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-LD5-88SL-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-LD5-88SL-LW-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

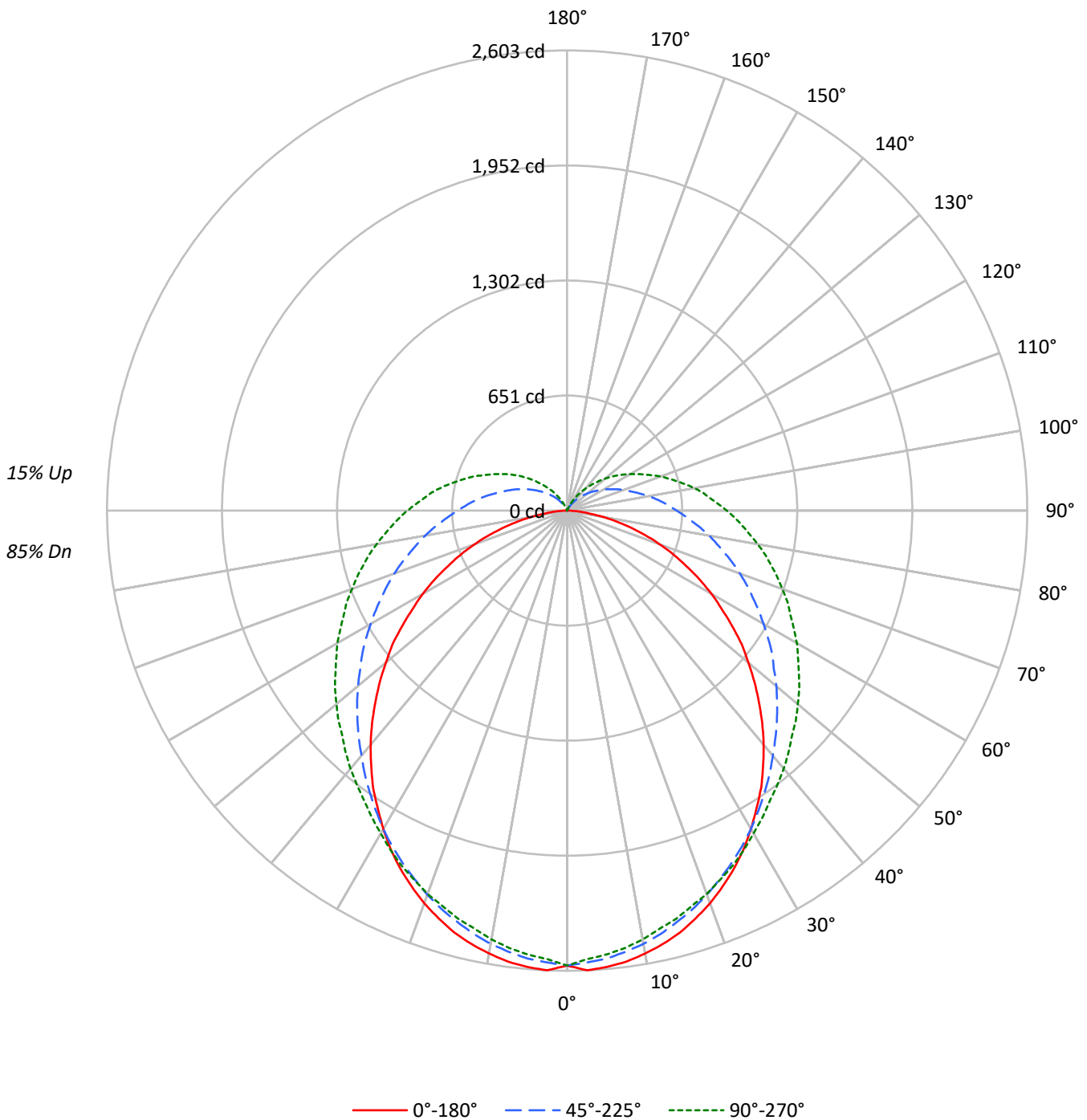
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9901.0 lumens
Efficiency: N/A
Efficacy: 134.9 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): 73.4
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	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°	15108	15108	15108
5°	15244	14379	14043
10°	15105	13662	13138
15°	14923	12942	12320
20°	14644	12266	11604
25°	14321	11617	10950
30°	13914	11001	10323
35°	13499	10401	9782
40°	13004	9846	9368
45°	12451	9363	8963
50°	11901	8924	8669
55°	11294	8543	8390
60°	10663	8168	8177
65°	9865	7862	7968
70°	8995	7629	7845
75°	7785	7416	7768
80°	6074	7317	7743
85°	3743	7293	7779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.1	2.4
10°-20°	683.3	6.9
20°-30°	1020.5	10.3
30°-40°	1223.0	12.4
40°-50°	1293.8	13.1
50°-60°	1249.4	12.6
60°-70°	1111.4	11.2
70°-80°	913.8	9.2
80°-90°	698.8	7.1
90°-100°	525.5	5.3
100°-110°	383.5	3.9
110°-120°	262.7	2.7
120°-130°	164.0	1.7
130°-140°	87.5	0.9
140°-150°	35.1	0.4
150°-160°	6.7	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1945.9	19.7
0°-40°	3168.9	32.0
0°-60°	5712.1	57.7
0°-90°	8436.0	85.2
90°-120°	1171.8	11.8
90°-150°	1458.3	14.7
90°-180°	1465.0	14.8
0°-180°	9901.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2592	2577	2544	2540	2522	246
15°	2470	2444	2407	2407	2389	696
25°	2234	2212	2201	2227	2216	1028
35°	1913	1906	1946	2002	2002	1195
45°	1534	1578	1677	1773	1799	1184
55°	1139	1242	1416	1556	1600	1020
65°	745	914	1158	1338	1394	740
75°	372	616	922	1132	1194	395
85°	70	380	712	925	995	85
90°	0	291	619	833	903	4
95°	0	225	542	748	811	0
105°	0	140	398	582	642	0
115°	0	85	284	439	483	0
125°	0	52	192	310	346	0
135°	0	26	118	195	218	0
145°	0	7	52	100	114	0
155°	0	0	7	26	26	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°	2573.3	2573.3	2573.3	2573.3	2573.3
2.5°	2602.8	2588.0	2558.5	2554.8	2540.1
5°	2591.7	2577.0	2543.8	2540.1	2521.7
7.5°	2573.3	2554.8	2518.0	2514.3	2495.8
10°	2543.8	2525.3	2488.5	2484.8	2462.7
12.5°	2510.6	2492.2	2451.6	2447.9	2422.1
15°	2470.0	2444.2	2407.4	2407.4	2388.9
17.5°	2418.4	2396.3	2363.1	2366.8	2344.7
20°	2363.1	2341.0	2311.5	2322.6	2307.8
22.5°	2300.5	2274.6	2256.2	2271.0	2259.9
25°	2234.1	2212.0	2200.9	2226.7	2215.7
27.5°	2160.4	2138.2	2141.9	2167.7	2164.0
30°	2079.3	2064.5	2079.3	2112.4	2108.7
32.5°	1994.5	1987.1	2012.9	2057.1	2057.1
35°	1913.4	1906.0	1946.5	2001.8	2001.8
37.5°	1821.2	1824.9	1880.2	1942.9	1953.9
40°	1729.0	1743.8	1810.1	1887.6	1906.0
42.5°	1633.2	1659.0	1743.8	1828.6	1854.4
45°	1533.6	1577.9	1677.4	1773.3	1799.1
47.5°	1437.8	1493.1	1611.1	1721.7	1754.8
50°	1338.2	1404.6	1544.7	1666.4	1703.2
52.5°	1246.1	1323.5	1474.7	1611.1	1655.3
55°	1139.2	1242.4	1415.7	1555.8	1600.0
57.5°	1035.9	1157.6	1349.3	1500.5	1548.4
60°	943.8	1072.8	1282.9	1448.8	1500.5
62.5°	844.2	991.7	1220.3	1393.5	1445.2
65°	744.7	914.3	1157.6	1338.2	1393.5
67.5°	652.5	833.2	1098.6	1286.6	1349.3
70°	556.7	759.4	1039.6	1235.0	1294.0
72.5°	464.5	685.7	980.6	1179.7	1246.1
75°	372.3	615.7	921.7	1131.8	1194.5
77.5°	283.9	549.3	866.4	1080.2	1146.5
80°	202.8	486.6	814.7	1028.6	1094.9
82.5°	129.0	427.6	763.1	977.0	1043.3
85°	70.0	379.7	711.5	925.3	995.4
87.5°	25.8	328.1	663.6	881.1	951.1
90°	0.0	291.2	619.4	833.2	903.2
92.5°	0.0	254.4	578.8	788.9	855.3
95°	0.0	224.9	541.9	748.4	811.1
97.5°	0.0	199.1	505.1	707.8	774.2
100°	0.0	177.0	468.2	663.6	730.0
102.5°	0.0	154.8	431.3	623.0	685.7
105°	0.0	140.1	398.2	582.5	641.5
107.5°	0.0	125.3	368.7	549.3	600.9
110°	0.0	110.6	339.2	508.8	564.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	99.5	313.4	475.6	519.8
115°	0.0	84.8	283.9	438.7	482.9
117.5°	0.0	77.4	261.8	405.5	446.1
120°	0.0	66.4	235.9	372.3	412.9
122.5°	0.0	59.0	213.8	339.2	379.7
125°	0.0	51.6	191.7	309.7	346.5
127.5°	0.0	44.2	173.3	280.2	313.4
130°	0.0	36.9	151.2	250.7	280.2
132.5°	0.0	29.5	132.7	221.2	250.7
135°	0.0	25.8	118.0	195.4	217.5
137.5°	0.0	18.4	99.5	169.6	191.7
140°	0.0	14.7	84.8	147.5	162.2
142.5°	0.0	11.1	66.4	121.7	140.1
145°	0.0	7.4	51.6	99.5	114.3
147.5°	0.0	3.7	36.9	81.1	88.5
150°	0.0	3.7	25.8	62.7	66.4
152.5°	0.0	0.0	18.4	44.2	44.2
155°	0.0	0.0	7.4	25.8	25.8
157.5°	3.7	0.0	3.7	11.1	11.1
160°	3.7	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)