

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-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-LD5-88SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

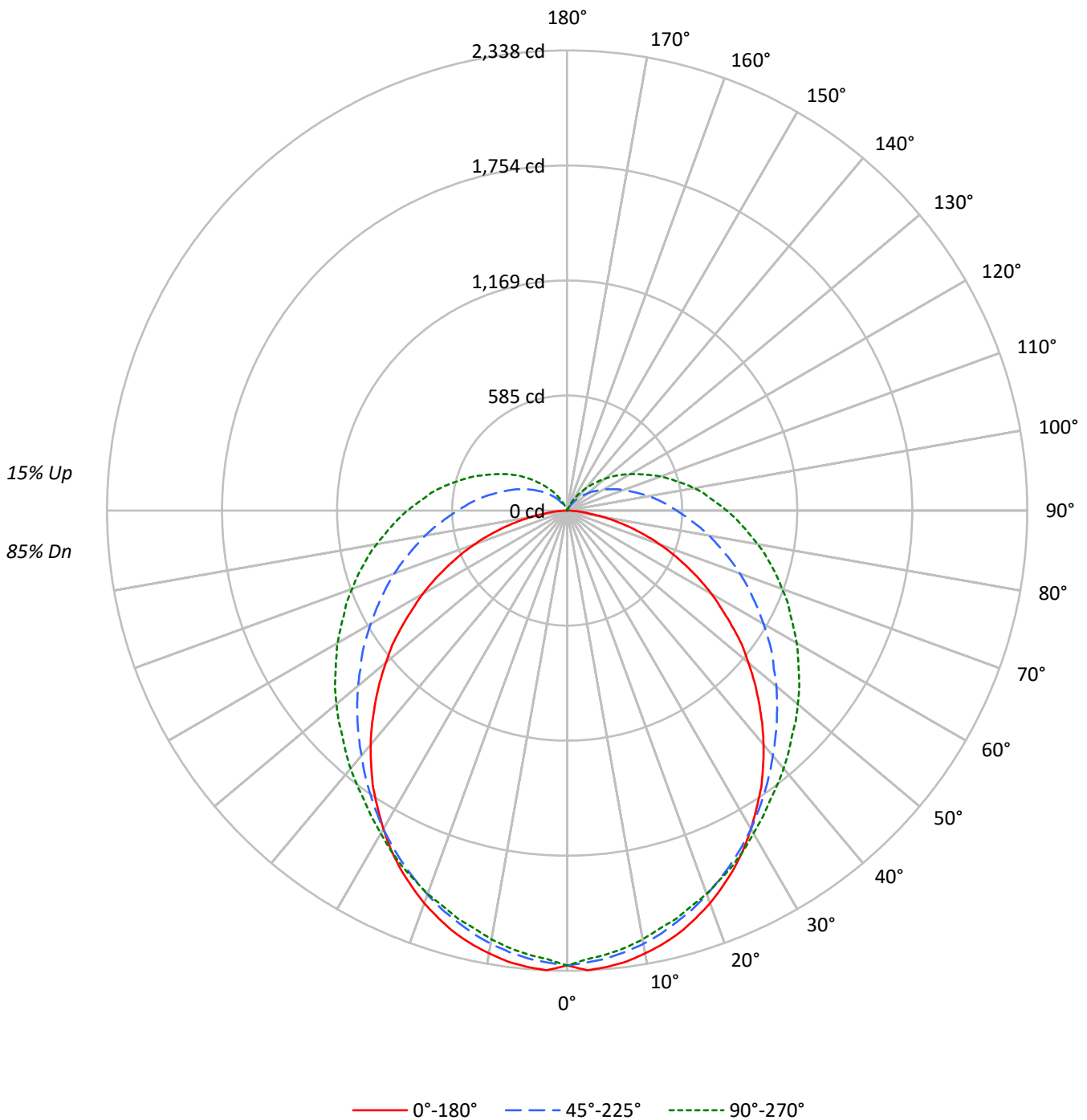
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8892.0 lumens
Efficiency: N/A
Efficacy: 121.1 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): 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

TEST NUMBER: P#
CATALOG NUMBER: 8SRL-LD5-88SL-LW-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-88SL-LW-UNV-L830-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	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°	13568	13568	13568
5°	13691	12913	12612
10°	13565	12269	11799
15°	13402	11623	11065
20°	13151	11016	10421
25°	12862	10433	9834
30°	12496	9879	9271
35°	12124	9341	8785
40°	11678	8843	8413
45°	11182	8409	8049
50°	10689	8015	7786
55°	10143	7673	7535
60°	9576	7336	7343
65°	8859	7061	7156
70°	8077	6852	7045
75°	6993	6660	6976
80°	5454	6572	6954
85°	3363	6550	6986



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-88SL-LW-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.4	2.4
10°-20°	613.7	6.9
20°-30°	916.5	10.3
30°-40°	1098.4	12.4
40°-50°	1161.9	13.1
50°-60°	1122.1	12.6
60°-70°	998.1	11.2
70°-80°	820.6	9.2
80°-90°	627.6	7.1
90°-100°	472.0	5.3
100°-110°	344.5	3.9
110°-120°	235.9	2.7
120°-130°	147.2	1.7
130°-140°	78.6	0.9
140°-150°	31.5	0.4
150°-160°	6.0	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1747.6	19.7
0°-40°	2845.9	32.0
0°-60°	5129.9	57.7
0°-90°	7576.3	85.2
90°-120°	1052.4	11.8
90°-150°	1309.7	14.7
90°-180°	1316.0	14.8
0°-180°	8892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2311	2311	2311	2311	2311	
5°	2328	2314	2284	2281	2265	221
15°	2218	2195	2162	2162	2146	625
25°	2006	1987	1977	2000	1990	923
35°	1718	1712	1748	1798	1798	1073
45°	1377	1417	1506	1593	1616	1064
55°	1023	1116	1271	1397	1437	916
65°	669	821	1040	1202	1252	665
75°	334	553	828	1016	1073	355
85°	63	341	639	831	894	77
90°	0	262	556	748	811	3
95°	0	202	487	672	728	0
105°	0	126	358	523	576	0
115°	0	76	255	394	434	0
125°	0	46	172	278	311	0
135°	0	23	106	176	195	0
145°	0	7	46	89	103	0
155°	0	0	7	23	23	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-LD5-88SL-LW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2311.0	2311.0	2311.0	2311.0	2311.0
2.5°	2337.5	2324.3	2297.8	2294.5	2281.2
5°	2327.6	2314.3	2284.5	2281.2	2264.7
7.5°	2311.0	2294.5	2261.4	2258.1	2241.5
10°	2284.5	2268.0	2234.9	2231.6	2211.7
12.5°	2254.7	2238.2	2201.8	2198.5	2175.3
15°	2218.3	2195.1	2162.0	2162.0	2145.5
17.5°	2172.0	2152.1	2122.3	2125.6	2105.7
20°	2122.3	2102.4	2076.0	2085.9	2072.6
22.5°	2066.0	2042.8	2026.3	2039.5	2029.6
25°	2006.4	1986.6	1976.6	1999.8	1989.9
27.5°	1940.2	1920.3	1923.6	1946.8	1943.5
30°	1867.4	1854.1	1867.4	1897.2	1893.8
32.5°	1791.2	1784.6	1807.8	1847.5	1847.5
35°	1718.4	1711.7	1748.2	1797.8	1797.8
37.5°	1635.6	1638.9	1688.6	1744.9	1754.8
40°	1552.8	1566.1	1625.7	1695.2	1711.7
42.5°	1466.7	1489.9	1566.1	1642.2	1665.4
45°	1377.3	1417.1	1506.5	1592.6	1615.7
47.5°	1291.3	1340.9	1446.9	1546.2	1576.0
50°	1201.9	1261.5	1387.3	1496.5	1529.6
52.5°	1119.1	1188.6	1324.4	1446.9	1486.6
55°	1023.1	1115.8	1271.4	1397.2	1436.9
57.5°	930.4	1039.6	1211.8	1347.5	1390.6
60°	847.6	963.5	1152.2	1301.2	1347.5
62.5°	758.2	890.6	1095.9	1251.5	1297.9
65°	668.8	821.1	1039.6	1201.9	1251.5
67.5°	586.0	748.3	986.7	1155.5	1211.8
70°	499.9	682.1	933.7	1109.2	1162.1
72.5°	417.2	615.8	880.7	1059.5	1119.1
75°	334.4	552.9	827.7	1016.5	1072.7
77.5°	254.9	493.3	778.1	970.1	1029.7
80°	182.1	437.0	731.7	923.7	983.3
82.5°	115.9	384.1	685.4	877.4	937.0
85°	62.9	341.0	639.0	831.0	893.9
87.5°	23.2	294.7	596.0	791.3	854.2
90°	0.0	261.6	556.2	748.3	811.2
92.5°	0.0	228.5	519.8	708.5	768.1
95°	0.0	202.0	486.7	672.1	728.4
97.5°	0.0	178.8	453.6	635.7	695.3
100°	0.0	158.9	420.5	596.0	655.6
102.5°	0.0	139.1	387.4	559.5	615.8
105°	0.0	125.8	357.6	523.1	576.1
107.5°	0.0	112.6	331.1	493.3	539.7
110°	0.0	99.3	304.6	456.9	506.6



TEST NUMBER: P#

CATALOG NUMBER: 8SRL-LD5-88SL-LW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	89.4	281.4	427.1	466.8
115°	0.0	76.2	254.9	394.0	433.7
117.5°	0.0	69.5	235.1	364.2	400.6
120°	0.0	59.6	211.9	334.4	370.8
122.5°	0.0	53.0	192.0	304.6	341.0
125°	0.0	46.4	172.2	278.1	311.2
127.5°	0.0	39.7	155.6	251.6	281.4
130°	0.0	33.1	135.7	225.1	251.6
132.5°	0.0	26.5	119.2	198.7	225.1
135°	0.0	23.2	105.9	175.5	195.3
137.5°	0.0	16.6	89.4	152.3	172.2
140°	0.0	13.2	76.2	132.4	145.7
142.5°	0.0	9.9	59.6	109.3	125.8
145°	0.0	6.6	46.4	89.4	102.6
147.5°	0.0	3.3	33.1	72.8	79.5
150°	0.0	3.3	23.2	56.3	59.6
152.5°	0.0	0.0	16.6	39.7	39.7
155°	0.0	0.0	6.6	23.2	23.2
157.5°	3.3	0.0	3.3	9.9	9.9
160°	3.3	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)