

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-LD5-95SL-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-LD5-95SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

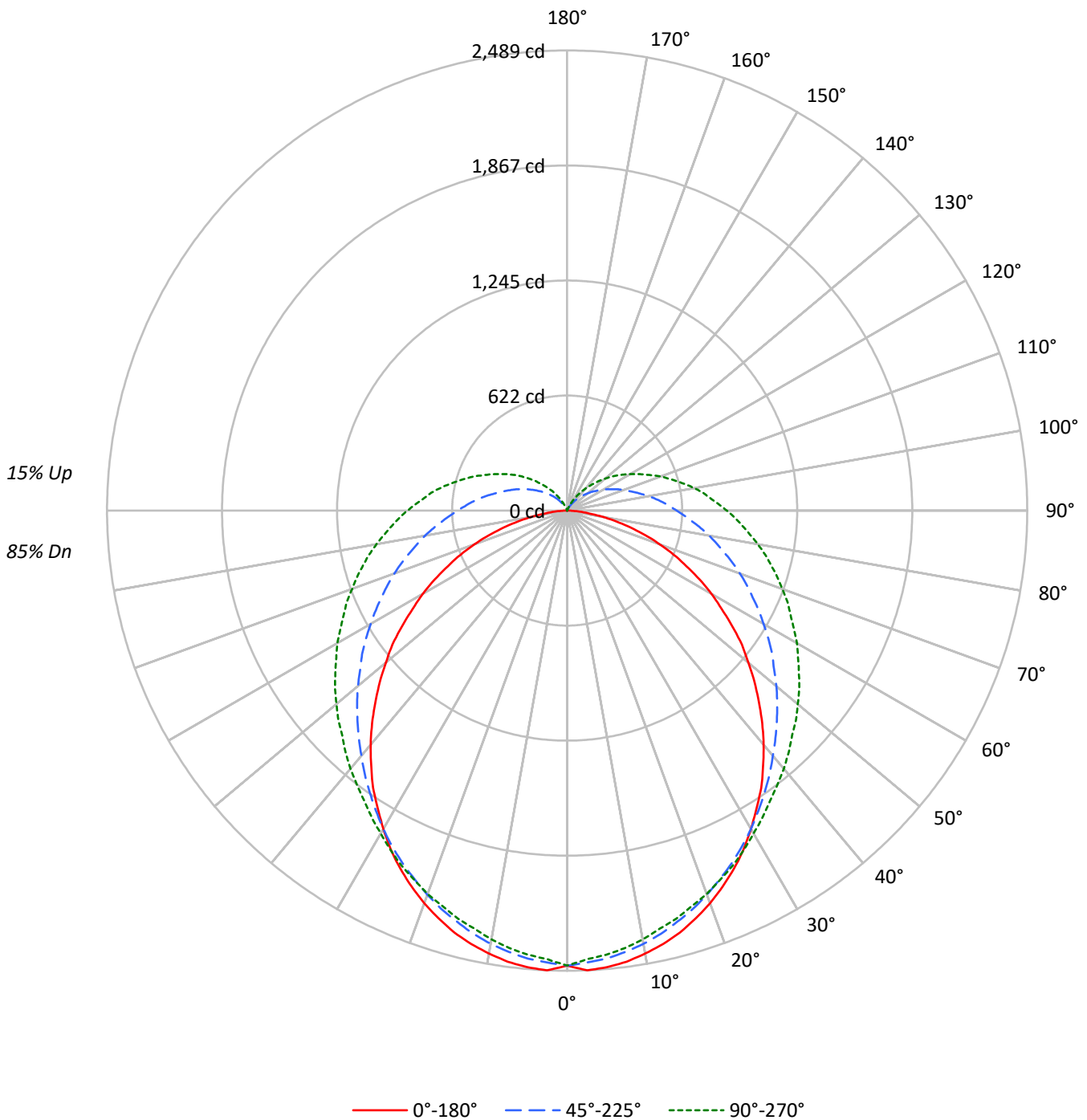
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9469.0 lumens
Efficiency: N/A
Efficacy: 118.8 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): 79.7
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°	14449	14449	14449
5°	14579	13752	13430
10°	14446	13065	12564
15°	14272	12377	11782
20°	14005	11731	11097
25°	13696	11110	10472
30°	13306	10520	9872
35°	12910	9947	9355
40°	12437	9417	8959
45°	11908	8955	8572
50°	11382	8535	8291
55°	10802	8170	8024
60°	10197	7812	7820
65°	9434	7519	7620
70°	8602	7296	7502
75°	7446	7092	7429
80°	5807	6998	7406
85°	3583	6975	7440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	2.4
10°-20°	653.5	6.9
20°-30°	976.0	10.3
30°-40°	1169.7	12.4
40°-50°	1237.3	13.1
50°-60°	1194.9	12.6
60°-70°	1062.9	11.2
70°-80°	873.9	9.2
80°-90°	668.3	7.1
90°-100°	502.6	5.3
100°-110°	366.8	3.9
110°-120°	251.3	2.7
120°-130°	156.8	1.7
130°-140°	83.7	0.9
140°-150°	33.6	0.4
150°-160°	6.4	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1861.0	19.7
0°-40°	3030.6	32.0
0°-60°	5462.8	57.7
0°-90°	8067.9	85.2
90°-120°	1120.7	11.8
90°-150°	1394.7	14.7
90°-180°	1401.0	14.8
0°-180°	9469.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2461	2461	2461	2461	2461	
5°	2479	2464	2433	2429	2412	235
15°	2362	2338	2302	2302	2285	665
25°	2137	2116	2105	2130	2119	983
35°	1830	1823	1862	1914	1914	1142
45°	1467	1509	1604	1696	1721	1133
55°	1090	1188	1354	1488	1530	975
65°	712	874	1107	1280	1333	708
75°	356	589	881	1082	1142	378
85°	67	363	680	885	952	81
90°	0	278	592	797	864	3
95°	0	215	518	716	776	0
105°	0	134	381	557	614	0
115°	0	81	272	420	462	0
125°	0	49	183	296	331	0
135°	0	25	113	187	208	0
145°	0	7	49	95	109	0
155°	0	0	7	25	25	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°	2461.0	2461.0	2461.0	2461.0	2461.0
2.5°	2489.2	2475.1	2446.9	2443.4	2429.3
5°	2478.6	2464.5	2432.8	2429.3	2411.6
7.5°	2461.0	2443.4	2408.1	2404.6	2386.9
10°	2432.8	2415.2	2379.9	2376.4	2355.2
12.5°	2401.0	2383.4	2344.6	2341.1	2316.4
15°	2362.3	2337.6	2302.3	2302.3	2284.7
17.5°	2312.9	2291.8	2260.0	2263.5	2242.4
20°	2260.0	2238.9	2210.7	2221.2	2207.1
22.5°	2200.1	2175.4	2157.8	2171.9	2161.3
25°	2136.6	2115.5	2104.9	2129.6	2119.0
27.5°	2066.1	2044.9	2048.5	2073.2	2069.6
30°	1988.5	1974.4	1988.5	2020.3	2016.7
32.5°	1907.4	1900.4	1925.1	1967.4	1967.4
35°	1829.9	1822.8	1861.6	1914.5	1914.5
37.5°	1741.7	1745.3	1798.1	1858.1	1868.7
40°	1653.6	1667.7	1731.2	1805.2	1822.8
42.5°	1561.9	1586.6	1667.7	1748.8	1773.5
45°	1466.7	1509.0	1604.2	1695.9	1720.6
47.5°	1375.1	1427.9	1540.8	1646.5	1678.3
50°	1279.9	1343.3	1477.3	1593.6	1628.9
52.5°	1191.7	1265.8	1410.3	1540.8	1583.1
55°	1089.5	1188.2	1353.9	1487.9	1530.2
57.5°	990.7	1107.1	1290.4	1435.0	1480.8
60°	902.6	1026.0	1227.0	1385.6	1435.0
62.5°	807.4	948.4	1167.0	1332.7	1382.1
65°	712.2	874.4	1107.1	1279.9	1332.7
67.5°	624.1	796.8	1050.7	1230.5	1290.4
70°	532.4	726.3	994.3	1181.1	1237.5
72.5°	444.2	655.8	937.9	1128.2	1191.7
75°	356.1	588.8	881.4	1082.4	1142.3
77.5°	271.5	525.3	828.6	1033.1	1096.5
80°	193.9	465.4	779.2	983.7	1047.2
82.5°	123.4	409.0	729.8	934.3	997.8
85°	67.0	363.2	680.5	885.0	952.0
87.5°	24.7	313.8	634.6	842.7	909.6
90°	0.0	278.5	592.3	796.8	863.8
92.5°	0.0	243.3	553.5	754.5	818.0
95°	0.0	215.1	518.3	715.7	775.7
97.5°	0.0	190.4	483.0	676.9	740.4
100°	0.0	169.2	447.8	634.6	698.1
102.5°	0.0	148.1	412.5	595.9	655.8
105°	0.0	134.0	380.8	557.1	613.5
107.5°	0.0	119.9	352.6	525.3	574.7
110°	0.0	105.8	324.4	486.6	539.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	95.2	299.7	454.8	497.1
115°	0.0	81.1	271.5	419.6	461.9
117.5°	0.0	74.0	250.3	387.8	426.6
120°	0.0	63.5	225.6	356.1	394.9
122.5°	0.0	56.4	204.5	324.4	363.2
125°	0.0	49.4	183.3	296.2	331.4
127.5°	0.0	42.3	165.7	268.0	299.7
130°	0.0	35.3	144.6	239.8	268.0
132.5°	0.0	28.2	126.9	211.5	239.8
135°	0.0	24.7	112.8	186.9	208.0
137.5°	0.0	17.6	95.2	162.2	183.3
140°	0.0	14.1	81.1	141.0	155.1
142.5°	0.0	10.6	63.5	116.4	134.0
145°	0.0	7.1	49.4	95.2	109.3
147.5°	0.0	3.5	35.3	77.6	84.6
150°	0.0	3.5	24.7	59.9	63.5
152.5°	0.0	0.0	17.6	42.3	42.3
155°	0.0	0.0	7.1	24.7	24.7
157.5°	3.5	0.0	3.5	10.6	10.6
160°	3.5	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)