

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: **4SRL-LD5-52SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-52SL-LN-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

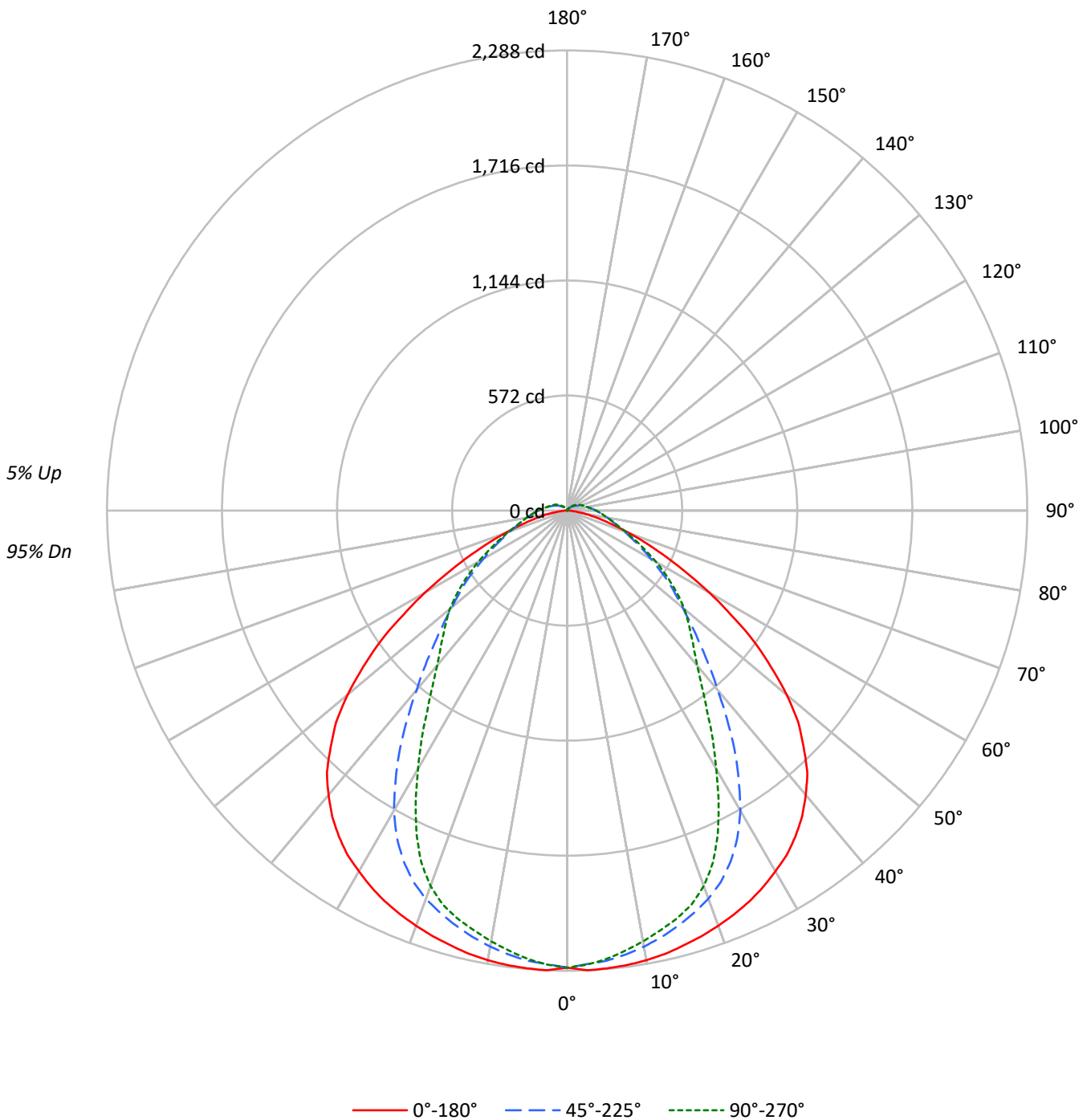
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5195.0 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39.9
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	
RCR																					
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95			
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80			
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69			
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59			
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52			
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46			
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41			
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37			
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33			
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30			
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	26681	26681	26681
5°	26823	25359	24929
10°	26850	24104	23206
15°	26883	22885	21675
20°	27000	21691	19973
25°	27193	20188	17519
30°	27363	18098	14510
35°	27484	15383	11832
40°	27257	12547	9867
45°	26414	10276	8672
50°	24703	8531	7745
55°	21820	7283	6651
60°	17769	6041	5556
65°	13651	5059	4550
70°	9971	4331	3769
75°	6970	3829	3205
80°	4677	3548	2861
85°	2704	3382	2668



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	4.1
10°-20°	608.0	11.7
20°-30°	888.3	17.1
30°-40°	948.8	18.3
40°-50°	836.1	16.1
50°-60°	634.9	12.2
60°-70°	404.8	7.8
70°-80°	241.4	4.6
80°-90°	151.7	2.9
90°-100°	100.4	1.9
100°-110°	68.3	1.3
110°-120°	45.9	0.9
120°-130°	28.3	0.5
130°-140°	15.0	0.3
140°-150°	6.5	0.1
150°-160°	2.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1710.4	32.9
0°-40°	2659.2	51.2
0°-60°	4130.2	79.5
0°-90°	4928.0	94.9
90°-120°	214.5	4.1
90°-150°	264.3	5.1
90°-180°	267.0	5.1
0°-180°	5195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2272	2272	2272	2272	2272	
5°	2285	2268	2246	2253	2238	218
15°	2238	2196	2136	2122	2102	633
25°	2143	2047	1924	1831	1772	989
35°	1978	1764	1452	1270	1211	1236
45°	1663	1251	930	876	870	1278
55°	1135	710	612	633	634	1005
65°	539	365	379	401	398	544
75°	180	185	243	254	246	200
85°	30	101	170	179	171	37
90°	1	76	144	150	144	2
95°	0	58	120	127	120	0
105°	0	36	84	92	88	0
115°	0	23	58	69	68	0
125°	1	15	38	49	48	1
135°	1	8	24	29	28	1
145°	1	3	12	16	15	1
155°	1	2	4	7	4	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2272.2	2272.2	2272.2	2272.2	2272.2
2.5°	2288.0	2274.4	2257.5	2268.8	2259.8
5°	2284.6	2267.7	2246.2	2253.0	2238.3
7.5°	2279.0	2257.5	2227.0	2224.7	2207.8
10°	2269.9	2241.7	2201.0	2193.1	2175.0
12.5°	2257.5	2222.4	2171.6	2159.1	2137.7
15°	2238.3	2196.4	2136.5	2121.8	2101.5
17.5°	2219.1	2167.1	2097.0	2078.9	2055.1
20°	2196.4	2133.1	2054.0	2015.6	1986.2
22.5°	2172.7	2094.7	1997.5	1933.1	1894.6
25°	2143.3	2047.2	1924.0	1831.3	1772.5
27.5°	2110.5	1997.5	1833.6	1700.2	1630.1
30°	2071.0	1930.8	1722.8	1555.5	1482.0
32.5°	2031.4	1858.4	1587.1	1413.1	1346.4
35°	1978.3	1763.5	1451.5	1269.5	1210.7
37.5°	1918.4	1657.2	1303.4	1141.7	1098.8
40°	1846.0	1532.9	1164.4	1035.5	1003.8
42.5°	1768.0	1396.1	1043.4	949.6	932.6
45°	1662.9	1251.4	930.4	876.1	870.4
47.5°	1558.9	1106.7	834.3	811.7	815.0
50°	1425.5	963.1	747.2	755.1	760.8
52.5°	1278.5	830.9	676.0	693.0	697.5
55°	1135.0	709.9	611.6	633.0	634.2
57.5°	967.7	603.7	541.5	574.3	570.9
60°	816.2	509.8	481.6	507.6	509.8
62.5°	667.0	433.0	428.4	451.0	449.9
65°	539.2	365.1	378.7	401.3	397.9
67.5°	428.4	305.2	336.9	356.1	348.2
70°	326.7	258.9	300.7	315.4	310.9
72.5°	245.3	219.3	269.0	282.6	274.7
75°	179.7	185.4	243.0	254.3	246.4
77.5°	128.9	159.4	222.7	229.5	223.8
80°	87.0	135.7	202.3	211.4	202.3
82.5°	55.4	116.4	185.4	193.3	185.4
85°	30.5	100.6	169.6	178.6	170.7
87.5°	13.6	87.0	156.0	163.9	157.1
90°	1.1	75.7	143.6	150.3	143.6
92.5°	0.0	65.6	131.1	139.0	132.3
95°	0.0	57.7	119.8	126.6	119.8
97.5°	0.0	50.9	109.7	116.4	110.8
100°	0.0	45.2	100.6	107.4	101.7
102.5°	0.0	39.6	91.6	99.5	95.0
105°	0.0	36.2	83.7	91.6	88.2
107.5°	0.0	31.7	76.9	85.9	83.7
110°	0.0	28.3	70.1	80.3	78.0



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-52SL-LN-UNV-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.0	63.3	74.6	72.3
115°	0.0	22.6	57.7	69.0	67.8
117.5°	0.0	20.3	53.1	63.3	63.3
120°	1.1	18.1	48.6	58.8	57.7
122.5°	1.1	15.8	43.0	53.1	52.0
125°	1.1	14.7	38.4	48.6	47.5
127.5°	1.1	12.4	35.0	43.0	41.8
130°	1.1	11.3	30.5	38.4	37.3
132.5°	1.1	9.0	27.1	33.9	32.8
135°	1.1	7.9	23.7	29.4	28.3
137.5°	1.1	6.8	20.3	26.0	24.9
140°	1.1	5.7	18.1	22.6	21.5
142.5°	1.1	4.5	14.7	19.2	18.1
145°	1.1	3.4	12.4	15.8	14.7
147.5°	1.1	2.3	10.2	13.6	12.4
150°	1.1	2.3	7.9	11.3	10.2
152.5°	1.1	2.3	6.8	9.0	6.8
155°	1.1	2.3	4.5	6.8	4.5
157.5°	1.1	2.3	3.4	4.5	3.4
160°	1.1	2.3	3.4	3.4	1.1
162.5°	1.1	2.3	2.3	1.1	0.0
165°	1.1	2.3	2.3	0.0	0.0
167.5°	1.1	2.3	2.3	0.0	0.0
170°	1.1	2.3	2.3	0.0	0.0
172.5°	1.1	2.3	2.3	0.0	0.0
175°	2.3	2.3	2.3	0.0	0.0
177.5°	1.1	2.3	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)