

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-L835-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-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

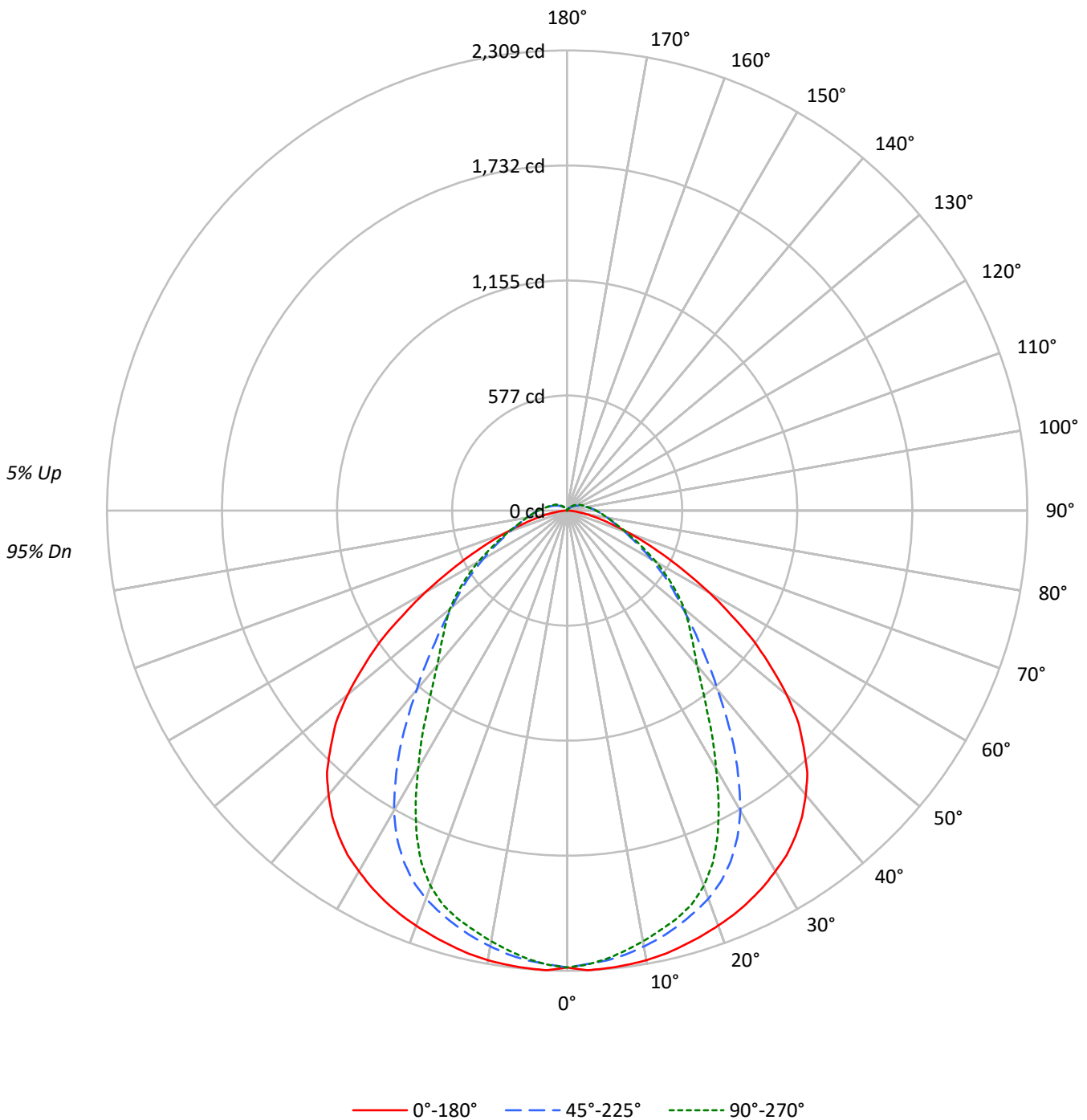
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5242.0 lumens
Efficiency: N/A
Efficacy: 131.4 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°	26922	26922	26922
5°	27066	25589	25154
10°	27094	24322	23415
15°	27125	23093	21871
20°	27244	21888	20154
25°	27439	20370	17678
30°	27610	18262	14641
35°	27733	15522	11939
40°	27504	12660	9957
45°	26652	10369	8751
50°	24926	8608	7815
55°	22016	7349	6711
60°	17930	6095	5607
65°	13775	5104	4591
70°	10063	4370	3803
75°	7036	3864	3235
80°	4720	3581	2888
85°	2731	3412	2691



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	4.1
10°-20°	613.5	11.7
20°-30°	896.4	17.1
30°-40°	957.4	18.3
40°-50°	843.7	16.1
50°-60°	640.6	12.2
60°-70°	408.4	7.8
70°-80°	243.6	4.6
80°-90°	153.0	2.9
90°-100°	101.3	1.9
100°-110°	68.8	1.3
110°-120°	46.3	0.9
120°-130°	28.6	0.5
130°-140°	15.1	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°	1725.9	32.9
0°-40°	2683.3	51.2
0°-60°	4167.6	79.5
0°-90°	4972.6	94.9
90°-120°	216.4	4.1
90°-150°	266.7	5.1
90°-180°	269.0	5.1
0°-180°	5242.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2293	2293	2293	2293	2293	
5°	2305	2288	2266	2273	2258	220
15°	2258	2216	2156	2141	2120	639
25°	2163	2066	1941	1848	1789	998
35°	1996	1779	1465	1281	1222	1247
45°	1678	1263	939	884	878	1290
55°	1145	716	617	639	640	1014
65°	544	368	382	405	402	549
75°	181	187	245	257	249	202
85°	31	102	171	180	172	37
90°	1	76	145	152	145	2
95°	0	58	121	128	121	0
105°	0	36	84	92	89	0
115°	0	23	58	70	68	0
125°	1	15	39	49	48	1
135°	1	8	24	30	28	1
145°	1	3	12	16	15	1
155°	1	2	5	7	5	1
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2292.7	2292.7	2292.7	2292.7	2292.7
2.5°	2308.7	2295.0	2277.9	2289.3	2280.2
5°	2305.3	2288.2	2266.5	2273.4	2258.5
7.5°	2299.6	2277.9	2247.1	2244.8	2227.7
10°	2290.5	2261.9	2220.9	2212.9	2194.6
12.5°	2277.9	2242.6	2191.2	2178.7	2157.0
15°	2258.5	2216.3	2155.9	2141.0	2120.5
17.5°	2239.1	2186.7	2115.9	2097.7	2073.7
20°	2216.3	2152.4	2072.6	2033.8	2004.2
22.5°	2192.4	2113.7	2015.6	1950.5	1911.8
25°	2162.7	2065.8	1941.4	1847.9	1788.6
27.5°	2129.6	2015.6	1850.2	1715.6	1644.8
30°	2089.7	1948.3	1738.4	1569.6	1495.4
32.5°	2049.8	1875.3	1601.5	1425.8	1358.5
35°	1996.2	1779.4	1464.6	1281.0	1221.7
37.5°	1935.7	1672.2	1315.2	1152.1	1108.7
40°	1862.7	1546.7	1174.9	1044.9	1012.9
42.5°	1784.0	1408.7	1052.8	958.2	941.1
45°	1677.9	1262.7	938.8	884.0	878.3
47.5°	1573.0	1116.7	841.8	819.0	822.4
50°	1438.4	971.9	754.0	762.0	767.7
52.5°	1290.1	838.4	682.1	699.2	703.8
55°	1145.2	716.3	617.1	638.8	639.9
57.5°	976.4	609.1	546.4	579.5	576.0
60°	823.6	514.4	485.9	512.2	514.4
62.5°	673.0	436.9	432.3	455.1	454.0
65°	544.1	368.4	382.1	404.9	401.5
67.5°	432.3	308.0	339.9	359.3	351.3
70°	329.7	261.2	303.4	318.2	313.7
72.5°	247.5	221.3	271.5	285.2	277.2
75°	181.4	187.1	245.2	256.7	248.7
77.5°	130.0	160.8	224.7	231.6	225.9
80°	87.8	136.9	204.2	213.3	204.2
82.5°	55.9	117.5	187.1	195.1	187.1
85°	30.8	101.5	171.1	180.2	172.2
87.5°	13.7	87.8	157.4	165.4	158.6
90°	1.1	76.4	144.9	151.7	144.9
92.5°	0.0	66.2	132.3	140.3	133.5
95°	0.0	58.2	120.9	127.8	120.9
97.5°	0.0	51.3	110.6	117.5	111.8
100°	0.0	45.6	101.5	108.4	102.7
102.5°	0.0	39.9	92.4	100.4	95.8
105°	0.0	36.5	84.4	92.4	89.0
107.5°	0.0	31.9	77.6	86.7	84.4
110°	0.0	28.5	70.7	81.0	78.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.2	63.9	75.3	73.0
115°	0.0	22.8	58.2	69.6	68.4
117.5°	0.0	20.5	53.6	63.9	63.9
120°	1.1	18.3	49.0	59.3	58.2
122.5°	1.1	16.0	43.3	53.6	52.5
125°	1.1	14.8	38.8	49.0	47.9
127.5°	1.1	12.5	35.4	43.3	42.2
130°	1.1	11.4	30.8	38.8	37.6
132.5°	1.1	9.1	27.4	34.2	33.1
135°	1.1	8.0	24.0	29.7	28.5
137.5°	1.1	6.8	20.5	26.2	25.1
140°	1.1	5.7	18.3	22.8	21.7
142.5°	1.1	4.6	14.8	19.4	18.3
145°	1.1	3.4	12.5	16.0	14.8
147.5°	1.1	2.3	10.3	13.7	12.5
150°	1.1	2.3	8.0	11.4	10.3
152.5°	1.1	2.3	6.8	9.1	6.8
155°	1.1	2.3	4.6	6.8	4.6
157.5°	1.1	2.3	3.4	4.6	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)