

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-L840-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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

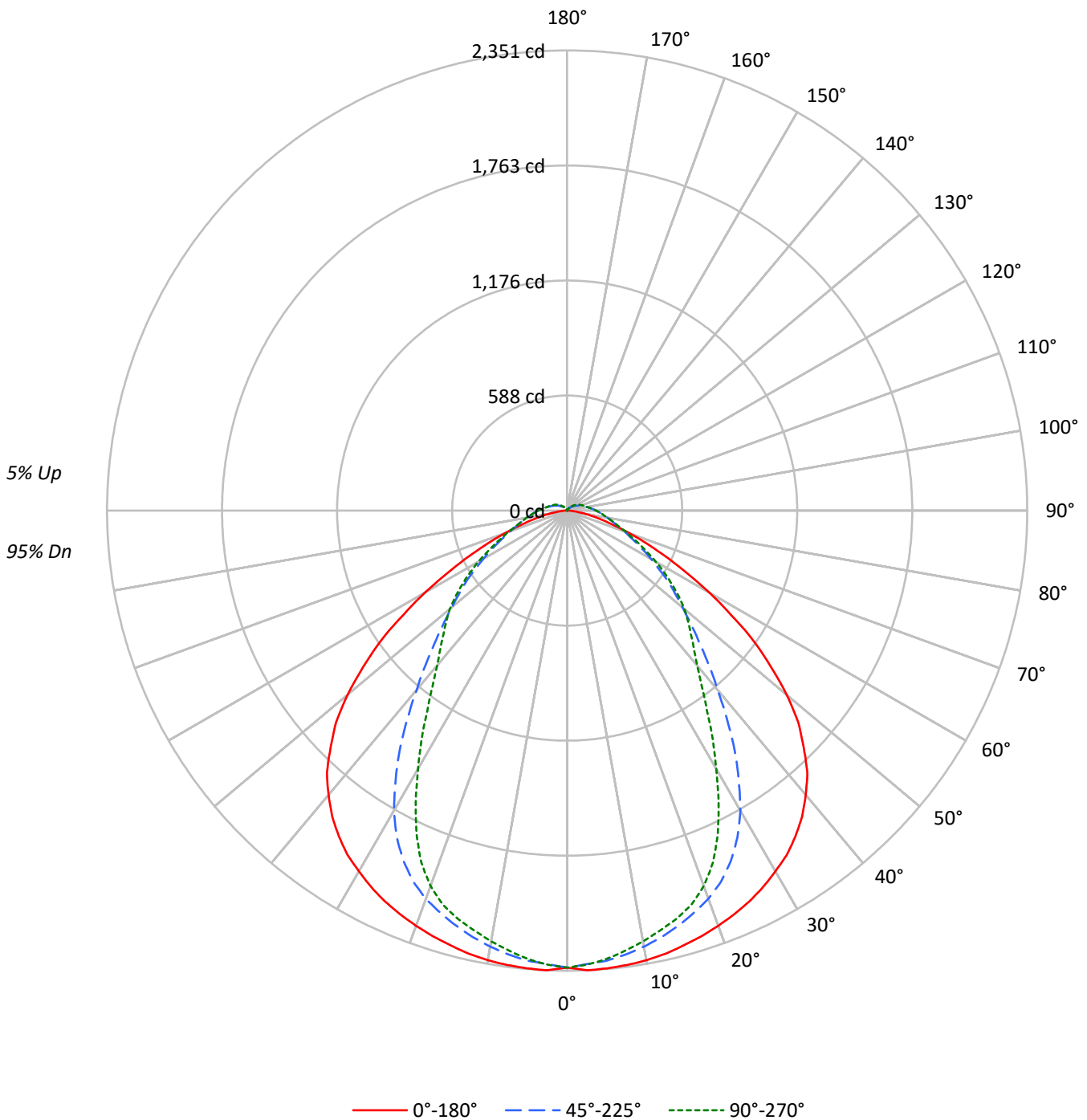
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5338.0 lumens
Efficiency: N/A
Efficacy: 133.8 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	0	
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°	27415	27415	27415
5°	27561	26057	25616
10°	27589	24767	23844
15°	27623	23515	22271
20°	27743	22289	20523
25°	27942	20744	18001
30°	28116	18596	14909
35°	28240	15806	12157
40°	28007	12892	10139
45°	27141	10559	8912
50°	25382	8766	7958
55°	22419	7483	6833
60°	18257	6207	5710
65°	14028	5198	4676
70°	10246	4451	3873
75°	7164	3935	3293
80°	4806	3646	2941
85°	2784	3474	2741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.0	4.1
10°-20°	624.7	11.7
20°-30°	912.8	17.1
30°-40°	974.9	18.3
40°-50°	859.1	16.1
50°-60°	652.4	12.2
60°-70°	415.9	7.8
70°-80°	248.1	4.6
80°-90°	155.8	2.9
90°-100°	103.1	1.9
100°-110°	70.1	1.3
110°-120°	47.1	0.9
120°-130°	29.1	0.5
130°-140°	15.4	0.3
140°-150°	6.7	0.1
150°-160°	2.1	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-30°	1757.5	32.9
0°-40°	2732.4	51.2
0°-60°	4243.9	79.5
0°-90°	5063.7	94.9
90°-120°	220.4	4.1
90°-150°	271.6	5.1
90°-180°	274.0	5.1
0°-180°	5338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2335	2335	2335	2335	2335	
5°	2348	2330	2308	2315	2300	224
15°	2300	2257	2195	2180	2159	650
25°	2202	2104	1977	1882	1821	1016
35°	2033	1812	1491	1304	1244	1270
45°	1709	1286	956	900	894	1314
55°	1166	730	628	650	652	1032
65°	554	375	389	412	409	559
75°	185	190	250	261	253	206
85°	31	103	174	184	175	38
90°	1	78	148	154	148	2
95°	0	59	123	130	123	0
105°	0	37	86	94	91	0
115°	0	23	59	71	70	0
125°	1	15	40	50	49	1
135°	1	8	24	30	29	1
145°	1	4	13	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°	2334.7	2334.7	2334.7	2334.7	2334.7
2.5°	2351.0	2337.1	2319.6	2331.2	2322.0
5°	2347.5	2330.1	2308.0	2315.0	2299.9
7.5°	2341.7	2319.6	2288.3	2285.9	2268.5
10°	2332.4	2303.4	2261.6	2253.4	2234.8
12.5°	2319.6	2283.6	2231.4	2218.6	2196.5
15°	2299.9	2256.9	2195.3	2180.2	2159.3
17.5°	2280.1	2226.7	2154.7	2136.1	2111.7
20°	2256.9	2191.9	2110.6	2071.1	2040.9
22.5°	2232.5	2152.4	2052.5	1986.3	1946.8
25°	2202.3	2103.6	1977.0	1881.7	1821.3
27.5°	2168.6	2052.5	1884.0	1747.0	1675.0
30°	2128.0	1983.9	1770.2	1598.3	1522.8
32.5°	2087.3	1909.6	1630.8	1451.9	1383.4
35°	2032.7	1812.0	1491.4	1304.4	1244.0
37.5°	1971.2	1702.8	1339.3	1173.2	1129.0
40°	1896.8	1575.1	1196.4	1064.0	1031.5
42.5°	1816.7	1434.5	1072.1	975.7	958.3
45°	1708.7	1285.8	956.0	900.2	894.4
47.5°	1601.8	1137.2	857.2	834.0	837.5
50°	1464.7	989.6	767.8	775.9	781.7
52.5°	1313.7	853.7	694.6	712.0	716.7
55°	1166.2	729.5	628.4	650.5	651.6
57.5°	994.3	620.3	556.4	590.1	586.6
60°	838.6	523.9	494.8	521.5	523.9
62.5°	685.3	444.9	440.2	463.5	462.3
65°	554.1	375.2	389.1	412.4	408.9
67.5°	440.2	313.6	346.1	365.9	357.8
70°	335.7	266.0	309.0	324.1	319.4
72.5°	252.1	225.3	276.5	290.4	282.3
75°	184.7	190.5	249.7	261.4	253.2
77.5°	132.4	163.8	228.8	235.8	230.0
80°	89.4	139.4	207.9	217.2	207.9
82.5°	56.9	119.6	190.5	198.6	190.5
85°	31.4	103.4	174.2	183.5	175.4
87.5°	13.9	89.4	160.3	168.4	161.5
90°	1.2	77.8	147.5	154.5	147.5
92.5°	0.0	67.4	134.7	142.9	135.9
95°	0.0	59.2	123.1	130.1	123.1
97.5°	0.0	52.3	112.7	119.6	113.8
100°	0.0	46.5	103.4	110.3	104.5
102.5°	0.0	40.7	94.1	102.2	97.6
105°	0.0	37.2	86.0	94.1	90.6
107.5°	0.0	32.5	79.0	88.3	86.0
110°	0.0	29.0	72.0	82.5	80.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	26.7	65.0	76.7	74.3
115°	0.0	23.2	59.2	70.9	69.7
117.5°	0.0	20.9	54.6	65.0	65.0
120°	1.2	18.6	49.9	60.4	59.2
122.5°	1.2	16.3	44.1	54.6	53.4
125°	1.2	15.1	39.5	49.9	48.8
127.5°	1.2	12.8	36.0	44.1	43.0
130°	1.2	11.6	31.4	39.5	38.3
132.5°	1.2	9.3	27.9	34.8	33.7
135°	1.2	8.1	24.4	30.2	29.0
137.5°	1.2	7.0	20.9	26.7	25.6
140°	1.2	5.8	18.6	23.2	22.1
142.5°	1.2	4.6	15.1	19.7	18.6
145°	1.2	3.5	12.8	16.3	15.1
147.5°	1.2	2.3	10.5	13.9	12.8
150°	1.2	2.3	8.1	11.6	10.5
152.5°	1.2	2.3	7.0	9.3	7.0
155°	1.2	2.3	4.6	7.0	4.6
157.5°	1.2	2.3	3.5	4.6	3.5
160°	1.2	2.3	3.5	3.5	1.2
162.5°	1.2	2.3	2.3	1.2	0.0
165°	1.2	2.3	2.3	0.0	0.0
167.5°	1.2	2.3	2.3	0.0	0.0
170°	1.2	2.3	2.3	0.0	0.0
172.5°	1.2	2.3	2.3	0.0	0.0
175°	2.3	2.3	2.3	0.0	0.0
177.5°	1.2	2.3	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)