

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-LD5-46SL-LN-UNV-L850-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-LD5-46SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

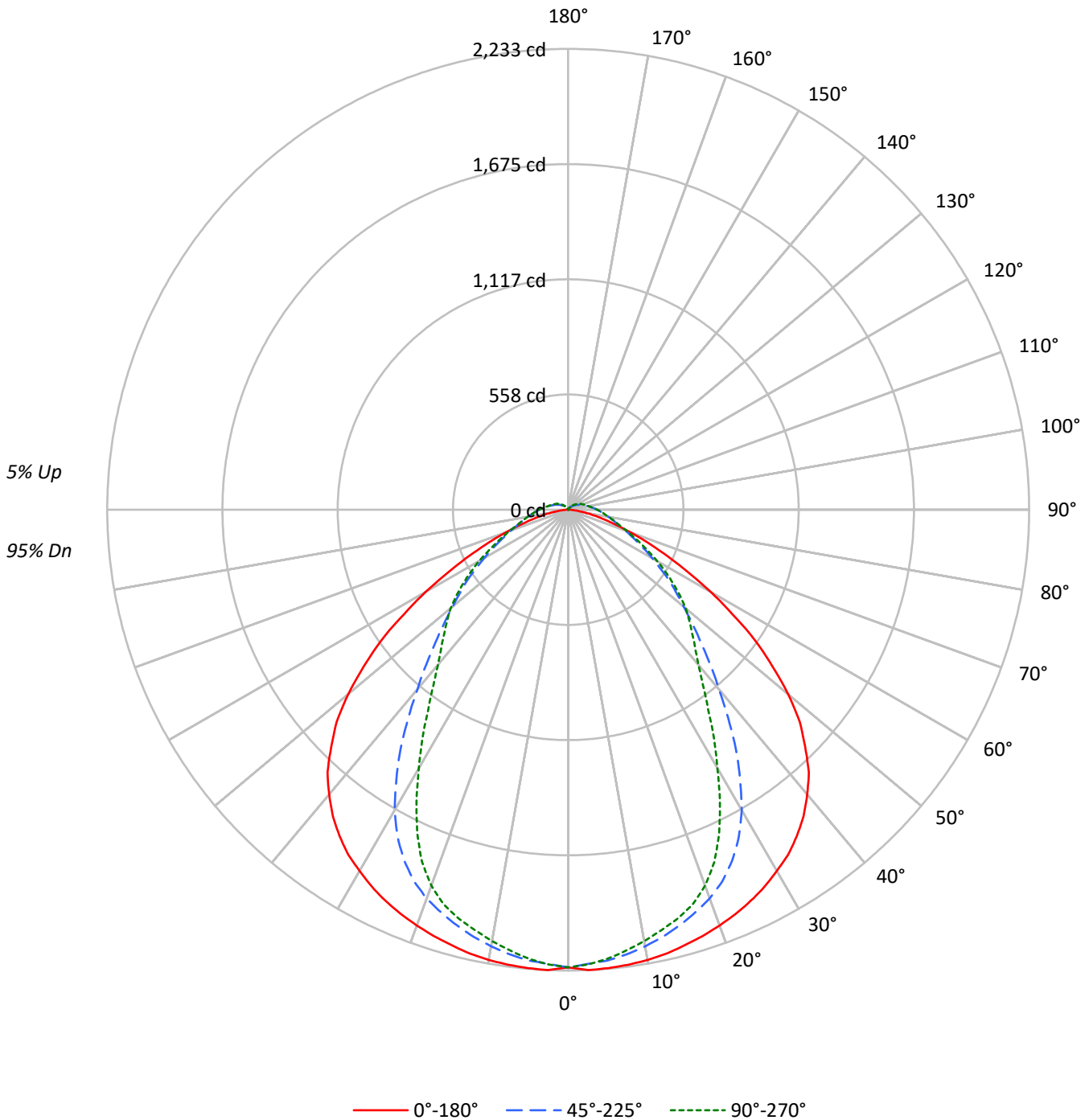
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5070.0 lumens
Efficiency: N/A
Efficacy: 150.4 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): 33.7
Input Voltage (V): NR
Input Current (Ain): 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°	26039	26039	26039
5°	26178	24749	24329
10°	26204	23523	22647
15°	26235	22334	21153
20°	26351	21170	19492
25°	26538	19702	17098
30°	26703	17662	14160
35°	26823	15013	11548
40°	26602	12244	9630
45°	25779	10029	8464
50°	24108	8325	7559
55°	21295	7108	6491
60°	17340	5896	5423
65°	13322	4937	4440
70°	9730	4228	3679
75°	6804	3738	3128
80°	4564	3464	2793
85°	2642	3301	2604



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.9	4.1
10°-20°	593.4	11.7
20°-30°	867.0	17.1
30°-40°	926.0	18.3
40°-50°	816.0	16.1
50°-60°	619.6	12.2
60°-70°	395.0	7.8
70°-80°	235.6	4.6
80°-90°	148.0	2.9
90°-100°	98.0	1.9
100°-110°	66.6	1.3
110°-120°	44.8	0.9
120°-130°	27.7	0.5
130°-140°	14.6	0.3
140°-150°	6.3	0.1
150°-160°	2.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1669.3	32.9
0°-40°	2595.2	51.2
0°-60°	4030.8	79.5
0°-90°	4809.5	94.9
90°-120°	209.3	4.1
90°-150°	257.9	5.1
90°-180°	261.0	5.1
0°-180°	5070.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2218	2218	2218	2218	2218	
5°	2230	2213	2192	2199	2184	212
15°	2184	2144	2085	2071	2051	618
25°	2092	1998	1878	1787	1730	965
35°	1931	1721	1417	1239	1182	1206
45°	1623	1221	908	855	850	1248
55°	1108	693	597	618	619	980
65°	526	356	370	392	388	531
75°	175	181	237	248	240	195
85°	30	98	166	174	167	36
90°	1	74	140	147	140	2
95°	0	56	117	124	117	0
105°	0	35	82	89	86	0
115°	0	22	56	67	66	0
125°	1	14	38	47	46	1
135°	1	8	23	29	28	1
145°	1	3	12	15	14	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2217.5	2217.5	2217.5	2217.5	2217.5
2.5°	2233.0	2219.7	2203.2	2214.2	2205.4
5°	2229.7	2213.1	2192.1	2198.8	2184.4
7.5°	2224.1	2203.2	2173.4	2171.2	2154.6
10°	2215.3	2187.7	2148.0	2140.3	2122.6
12.5°	2203.2	2169.0	2119.3	2107.2	2086.2
15°	2184.4	2143.6	2085.1	2070.8	2050.9
17.5°	2165.7	2114.9	2046.5	2028.9	2005.7
20°	2143.6	2081.8	2004.6	1967.1	1938.4
22.5°	2120.4	2044.3	1949.4	1886.5	1849.0
25°	2091.7	1998.0	1877.7	1787.3	1729.9
27.5°	2059.8	1949.4	1789.5	1659.3	1590.9
30°	2021.1	1884.3	1681.3	1518.1	1446.3
32.5°	1982.5	1813.7	1549.0	1379.1	1314.0
35°	1930.7	1721.1	1416.6	1238.9	1181.6
37.5°	1872.2	1617.4	1272.0	1114.3	1072.4
40°	1801.6	1496.0	1136.3	1010.6	979.7
42.5°	1725.5	1362.5	1018.3	926.7	910.2
45°	1622.9	1221.3	908.0	855.0	849.5
47.5°	1521.4	1080.1	814.2	792.1	795.4
50°	1391.2	940.0	729.2	737.0	742.5
52.5°	1247.8	810.9	659.7	676.3	680.7
55°	1107.7	692.8	596.9	617.8	618.9
57.5°	944.4	589.1	528.5	560.4	557.1
60°	796.5	497.6	470.0	495.4	497.6
62.5°	650.9	422.5	418.1	440.2	439.1
65°	526.2	356.3	369.6	391.7	388.3
67.5°	418.1	297.9	328.8	347.5	339.8
70°	318.8	252.6	293.5	307.8	303.4
72.5°	239.4	214.0	262.6	275.8	268.1
75°	175.4	180.9	237.2	248.2	240.5
77.5°	125.8	155.6	217.3	224.0	218.4
80°	84.9	132.4	197.5	206.3	197.5
82.5°	54.1	113.6	180.9	188.7	180.9
85°	29.8	98.2	165.5	174.3	166.6
87.5°	13.2	84.9	152.2	160.0	153.4
90°	1.1	73.9	140.1	146.7	140.1
92.5°	0.0	64.0	128.0	135.7	129.1
95°	0.0	56.3	116.9	123.6	116.9
97.5°	0.0	49.6	107.0	113.6	108.1
100°	0.0	44.1	98.2	104.8	99.3
102.5°	0.0	38.6	89.4	97.1	92.7
105°	0.0	35.3	81.6	89.4	86.1
107.5°	0.0	30.9	75.0	83.8	81.6
110°	0.0	27.6	68.4	78.3	76.1



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	25.4	61.8	72.8	70.6
115°	0.0	22.1	56.3	67.3	66.2
117.5°	0.0	19.9	51.9	61.8	61.8
120°	1.1	17.7	47.4	57.4	56.3
122.5°	1.1	15.4	41.9	51.9	50.7
125°	1.1	14.3	37.5	47.4	46.3
127.5°	1.1	12.1	34.2	41.9	40.8
130°	1.1	11.0	29.8	37.5	36.4
132.5°	1.1	8.8	26.5	33.1	32.0
135°	1.1	7.7	23.2	28.7	27.6
137.5°	1.1	6.6	19.9	25.4	24.3
140°	1.1	5.5	17.7	22.1	21.0
142.5°	1.1	4.4	14.3	18.8	17.7
145°	1.1	3.3	12.1	15.4	14.3
147.5°	1.1	2.2	9.9	13.2	12.1
150°	1.1	2.2	7.7	11.0	9.9
152.5°	1.1	2.2	6.6	8.8	6.6
155°	1.1	2.2	4.4	6.6	4.4
157.5°	1.1	2.2	3.3	4.4	3.3
160°	1.1	2.2	3.3	3.3	1.1
162.5°	1.1	2.2	2.2	1.1	0.0
165°	1.1	2.2	2.2	0.0	0.0
167.5°	1.1	2.2	2.2	0.0	0.0
170°	1.1	2.2	2.2	0.0	0.0
172.5°	1.1	2.2	2.2	0.0	0.0
175°	2.2	2.2	2.2	0.0	0.0
177.5°	1.1	2.2	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)