

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-LD5-50SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-50SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

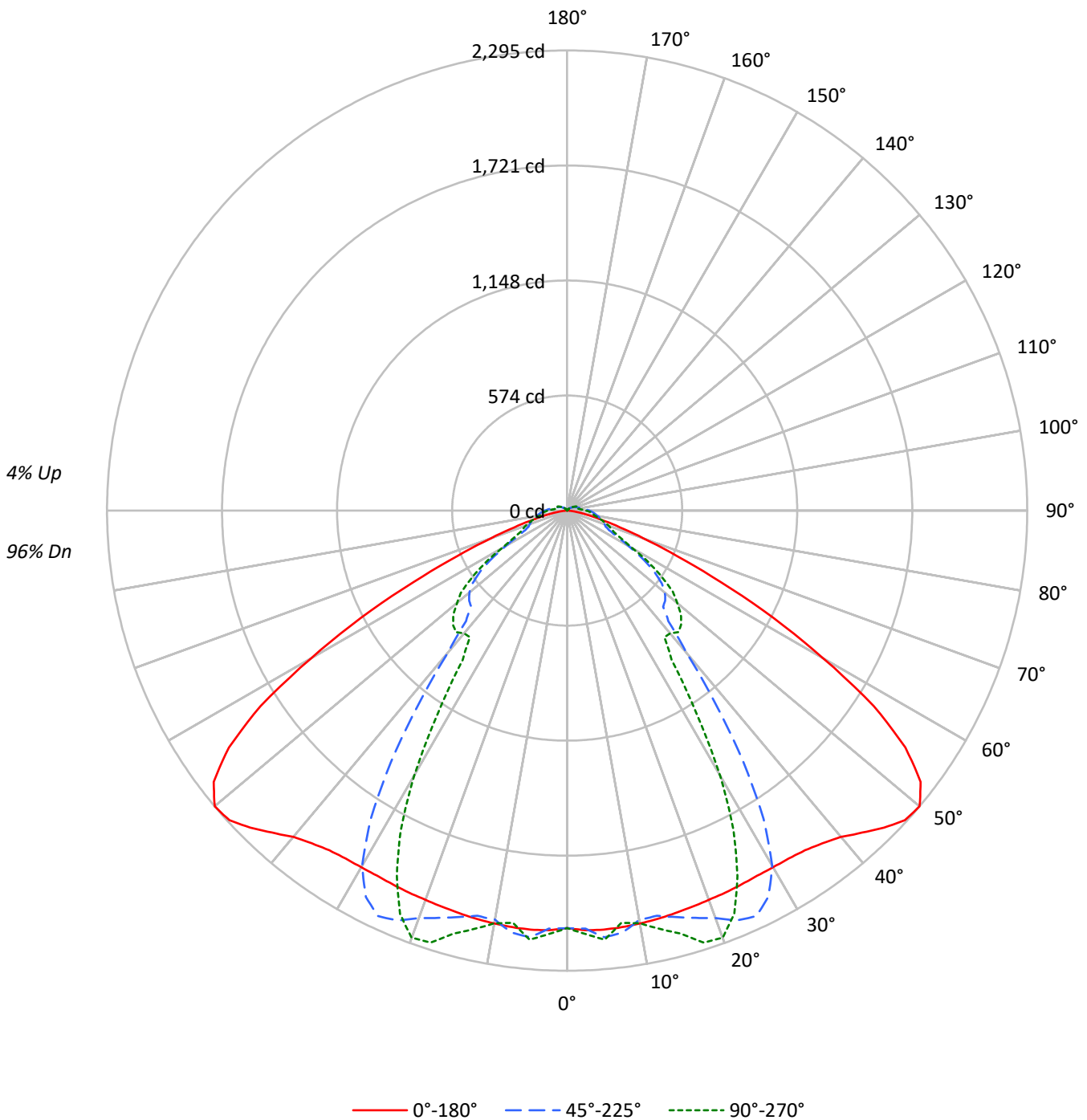
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.0 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 1.13 / 1.12
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 36.7
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	96	
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	89	87	85	83	
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	80	77	74	72	
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	72	68	64	62	
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	65	60	57	54	
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	59	54	50	48	
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	54	49	45	43	
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	50	45	40	38	
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	46	41	37	35	
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	43	37	33	32	
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	40	34	31	29	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24457	24457	24457
5°	24629	24120	23926
10°	24739	22692	22302
15°	24964	22482	22521
20°	25393	22843	22798
25°	26099	23416	19865
30°	27137	21486	14947
35°	28727	16249	8879
40°	31371	9951	7857
45°	35517	7478	8017
50°	39769	7266	7297
55°	39587	6303	6033
60°	32142	4448	4087
65°	21375	3078	2965
70°	12327	2855	2676
75°	6773	2803	2271
80°	3742	2687	1939
85°	1711	2650	1908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	4.0
10°-20°	603.9	12.0
20°-30°	961.1	19.1
30°-40°	979.5	19.5
40°-50°	827.3	16.5
50°-60°	637.7	12.7
60°-70°	329.4	6.6
70°-80°	182.0	3.6
80°-90°	115.8	2.3
90°-100°	71.3	1.4
100°-110°	46.0	0.9
110°-120°	33.3	0.7
120°-130°	19.3	0.4
130°-140°	9.3	0.2
140°-150°	3.9	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1766.3	35.2
0°-40°	2745.8	54.7
0°-60°	4210.7	83.8
0°-90°	4838.0	96.3
90°-120°	150.6	3.0
90°-150°	183.1	3.6
90°-180°	185.0	3.7
0°-180°	5023.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2083	2083	2083	2083	2083	
5°	2098	2105	2136	2157	2148	200
15°	2078	2080	2099	2174	2184	589
25°	2057	2071	2232	2122	2010	952
35°	2068	2165	1533	1042	908	1305
45°	2236	1305	677	781	805	1727
55°	2059	480	529	575	575	1783
65°	844	220	230	259	259	871
75°	175	145	178	179	175	210
85°	19	94	133	129	122	26
90°	0	73	110	102	94	1
95°	0	57	88	77	71	0
105°	0	34	58	54	50	0
115°	1	20	42	50	49	1
125°	1	11	27	32	29	1
135°	1	5	15	18	15	1
145°	1	2	8	10	8	1
155°	1	1	3	4	2	1
165°	1	2	2	2	0	0
175°	2	2	2	2	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2082.8	2082.8	2082.8	2082.8	2082.8
2.5°	2094.6	2087.1	2087.1	2113.9	2113.9
5°	2097.8	2105.3	2136.4	2156.7	2148.2
7.5°	2095.7	2129.9	2122.4	2092.4	2073.2
10°	2091.4	2142.8	2072.1	2092.4	2090.3
12.5°	2086.0	2123.5	2069.9	2141.7	2137.4
15°	2078.5	2079.6	2098.9	2173.9	2183.5
17.5°	2072.1	2051.7	2129.9	2230.6	2258.5
20°	2065.7	2043.2	2163.1	2278.9	2267.1
22.5°	2062.4	2050.7	2212.4	2242.4	2177.1
25°	2057.1	2071.0	2231.7	2122.4	2009.9
27.5°	2052.8	2094.6	2172.8	1917.8	1797.8
30°	2053.9	2127.8	2045.3	1677.8	1526.7
32.5°	2057.1	2159.9	1823.5	1356.4	1200.0
35°	2067.8	2165.3	1533.2	1042.5	908.5
37.5°	2091.4	2106.4	1217.1	825.0	796.0
40°	2124.6	1928.5	923.5	770.3	799.3
42.5°	2178.1	1629.6	746.8	778.9	821.8
45°	2236.0	1305.0	677.1	781.0	804.6
47.5°	2285.3	963.2	663.2	752.1	769.3
50°	2294.9	725.3	636.4	706.1	716.8
52.5°	2222.1	573.2	593.6	645.0	664.3
55°	2059.2	480.0	529.3	575.3	575.3
57.5°	1813.9	407.1	444.6	488.6	484.3
60°	1476.4	335.3	354.6	381.4	375.0
62.5°	1161.4	268.9	275.3	304.3	308.6
65°	844.3	219.6	230.4	259.3	259.3
67.5°	592.5	187.5	207.9	234.6	236.8
70°	403.9	169.3	198.2	219.6	220.7
72.5°	275.3	156.4	188.6	200.4	197.1
75°	174.6	144.6	177.9	178.9	174.6
77.5°	113.6	131.8	167.1	158.6	155.4
80°	69.6	118.9	153.2	142.5	137.1
82.5°	39.6	106.1	142.5	135.0	129.6
85°	19.3	94.3	132.9	128.6	122.1
87.5°	7.5	83.6	122.1	115.7	109.3
90°	0.0	72.9	110.4	101.8	94.3
92.5°	0.0	64.3	98.6	87.9	81.4
95°	0.0	56.8	87.9	77.1	70.7
97.5°	0.0	50.4	78.2	68.6	61.1
100°	0.0	45.0	70.7	61.1	55.7
102.5°	0.0	39.6	63.2	56.8	53.6
105°	0.0	34.3	57.9	53.6	50.4
107.5°	0.0	30.0	52.5	51.4	49.3
110°	0.0	26.8	49.3	50.4	51.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	23.6	45.0	51.4	52.5
115°	1.1	20.4	41.8	50.4	49.3
117.5°	1.1	17.1	37.5	45.0	42.9
120°	1.1	15.0	34.3	40.7	37.5
122.5°	1.1	12.9	30.0	35.4	33.2
125°	1.1	10.7	26.8	32.1	28.9
127.5°	1.1	9.6	23.6	27.9	25.7
130°	1.1	8.6	20.4	24.6	22.5
132.5°	1.1	6.4	18.2	21.4	18.2
135°	1.1	5.4	15.0	18.2	15.0
137.5°	1.1	4.3	12.9	15.0	12.9
140°	1.1	3.2	10.7	12.9	10.7
142.5°	1.1	3.2	8.6	11.8	8.6
145°	1.1	2.1	7.5	9.6	7.5
147.5°	1.1	2.1	6.4	8.6	6.4
150°	1.1	2.1	5.4	7.5	4.3
152.5°	1.1	1.1	4.3	6.4	3.2
155°	1.1	1.1	3.2	4.3	2.1
157.5°	1.1	1.1	3.2	3.2	2.1
160°	1.1	1.1	3.2	3.2	1.1
162.5°	1.1	1.1	2.1	2.1	0.0
165°	1.1	2.1	2.1	2.1	0.0
167.5°	1.1	2.1	2.1	2.1	0.0
170°	1.1	2.1	2.1	2.1	0.0
172.5°	1.1	2.1	2.1	2.1	0.0
175°	2.1	2.1	2.1	2.1	0.0
177.5°	2.1	2.1	2.1	2.1	0.0
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)