

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-LD5-47SL-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-LD5-47SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

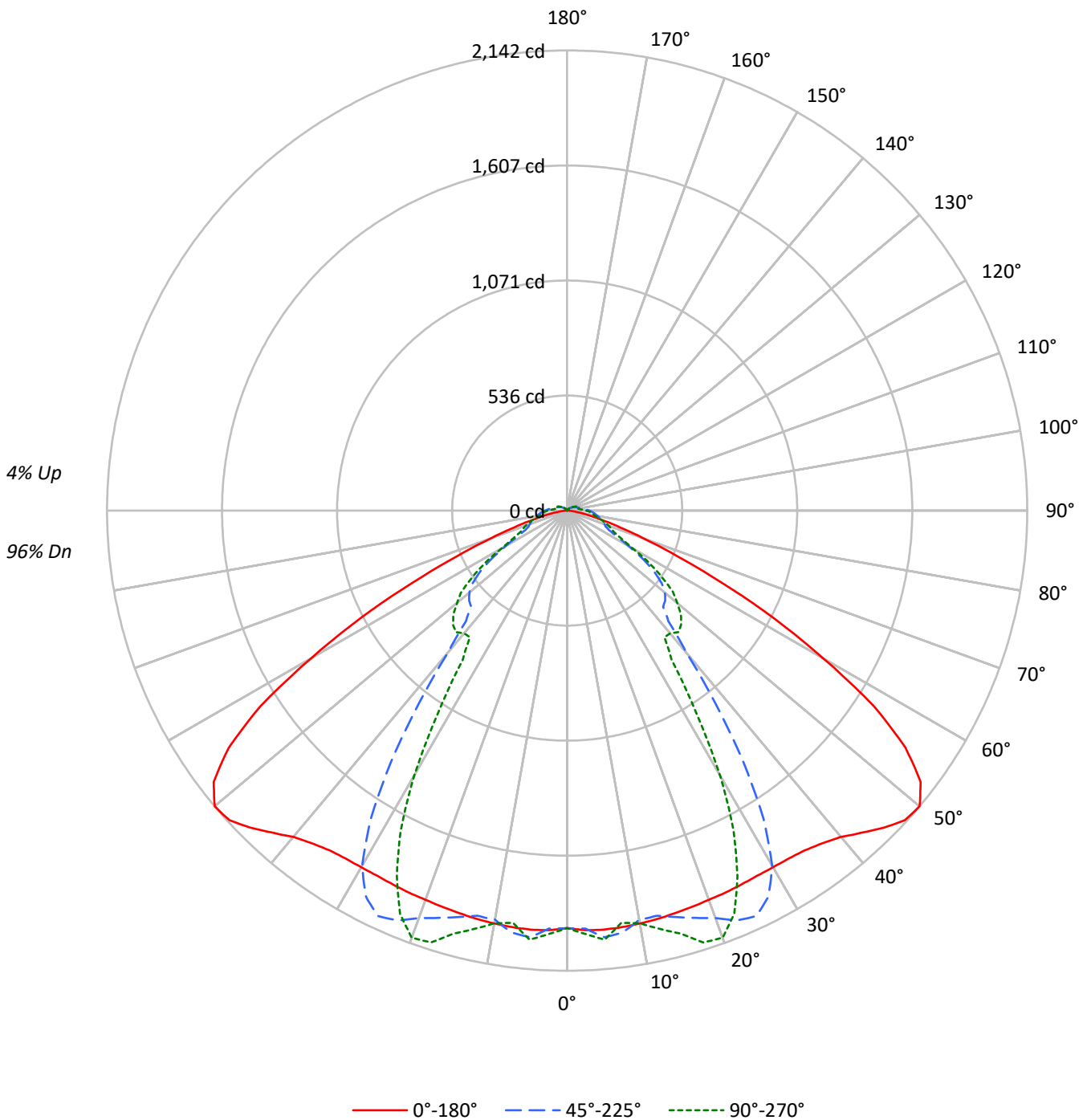
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4688.1 lumens
Efficiency: N/A
Efficacy: 139.1 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): 33.7
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°	22826	22826	22826
5°	22987	22511	22330
10°	23089	21179	20815
15°	23299	20983	21019
20°	23699	21321	21277
25°	24359	21855	18541
30°	25327	20053	13951
35°	26812	15165	8287
40°	29278	9288	7333
45°	33149	6980	7483
50°	37118	6782	6810
55°	36947	5883	5632
60°	29998	4152	3815
65°	19950	2872	2767
70°	11506	2665	2498
75°	6323	2616	2120
80°	3495	2508	1810
85°	1596	2473	1782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.9	4.0
10°-20°	563.6	12.0
20°-30°	897.0	19.1
30°-40°	914.2	19.5
40°-50°	772.1	16.5
50°-60°	595.2	12.7
60°-70°	307.4	6.6
70°-80°	169.9	3.6
80°-90°	108.1	2.3
90°-100°	66.5	1.4
100°-110°	42.9	0.9
110°-120°	31.1	0.7
120°-130°	18.0	0.4
130°-140°	8.7	0.2
140°-150°	3.6	0.1
150°-160°	1.3	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-30°	1648.5	35.2
0°-40°	2562.7	54.7
0°-60°	3929.9	83.8
0°-90°	4515.4	96.3
90°-120°	140.5	3.0
90°-150°	170.8	3.6
90°-180°	173.0	3.7
0°-180°	4688.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1958	1965	1994	2013	2005	187
15°	1940	1941	1959	2029	2038	550
25°	1920	1933	2083	1981	1876	889
35°	1930	2021	1431	973	848	1218
45°	2087	1218	632	729	751	1612
55°	1922	448	494	537	537	1664
65°	788	205	215	242	242	813
75°	163	135	166	167	163	196
85°	18	88	124	120	114	25
90°	0	68	103	95	88	1
95°	0	53	82	72	66	0
105°	0	32	54	50	47	0
115°	1	19	39	47	46	1
125°	1	10	25	30	27	1
135°	1	5	14	17	14	1
145°	1	2	7	9	7	1
155°	1	1	3	4	2	0
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°	1943.9	1943.9	1943.9	1943.9	1943.9
2.5°	1954.9	1947.9	1947.9	1972.9	1972.9
5°	1957.9	1964.9	1993.9	2012.9	2004.9
7.5°	1955.9	1987.9	1980.9	1952.9	1934.9
10°	1951.9	1999.9	1933.9	1952.9	1950.9
12.5°	1946.9	1981.9	1931.9	1998.9	1994.9
15°	1939.9	1940.9	1958.9	2028.9	2037.9
17.5°	1933.9	1914.9	1987.9	2081.9	2107.9
20°	1927.9	1906.9	2018.9	2126.9	2115.9
22.5°	1924.9	1913.9	2064.9	2092.9	2031.9
25°	1919.9	1932.9	2082.9	1980.9	1875.9
27.5°	1915.9	1954.9	2027.9	1789.9	1677.9
30°	1916.9	1985.9	1908.9	1565.9	1424.9
32.5°	1919.9	2015.9	1701.9	1265.9	1119.9
35°	1929.9	2020.9	1430.9	972.9	848.0
37.5°	1951.9	1965.9	1135.9	770.0	743.0
40°	1982.9	1799.9	861.9	719.0	746.0
42.5°	2032.9	1520.9	697.0	727.0	767.0
45°	2086.9	1217.9	632.0	729.0	751.0
47.5°	2132.9	898.9	619.0	702.0	718.0
50°	2141.9	677.0	594.0	659.0	669.0
52.5°	2073.9	535.0	554.0	602.0	620.0
55°	1921.9	448.0	494.0	537.0	537.0
57.5°	1692.9	380.0	415.0	456.0	452.0
60°	1377.9	313.0	331.0	356.0	350.0
62.5°	1083.9	251.0	257.0	284.0	288.0
65°	788.0	205.0	215.0	242.0	242.0
67.5°	553.0	175.0	194.0	219.0	221.0
70°	377.0	158.0	185.0	205.0	206.0
72.5°	257.0	146.0	176.0	187.0	184.0
75°	163.0	135.0	166.0	167.0	163.0
77.5°	106.0	123.0	156.0	148.0	145.0
80°	65.0	111.0	143.0	133.0	128.0
82.5°	37.0	99.0	133.0	126.0	121.0
85°	18.0	88.0	124.0	120.0	114.0
87.5°	7.0	78.0	114.0	108.0	102.0
90°	0.0	68.0	103.0	95.0	88.0
92.5°	0.0	60.0	92.0	82.0	76.0
95°	0.0	53.0	82.0	72.0	66.0
97.5°	0.0	47.0	73.0	64.0	57.0
100°	0.0	42.0	66.0	57.0	52.0
102.5°	0.0	37.0	59.0	53.0	50.0
105°	0.0	32.0	54.0	50.0	47.0
107.5°	0.0	28.0	49.0	48.0	46.0
110°	0.0	25.0	46.0	47.0	48.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.0	42.0	48.0	49.0
115°	1.0	19.0	39.0	47.0	46.0
117.5°	1.0	16.0	35.0	42.0	40.0
120°	1.0	14.0	32.0	38.0	35.0
122.5°	1.0	12.0	28.0	33.0	31.0
125°	1.0	10.0	25.0	30.0	27.0
127.5°	1.0	9.0	22.0	26.0	24.0
130°	1.0	8.0	19.0	23.0	21.0
132.5°	1.0	6.0	17.0	20.0	17.0
135°	1.0	5.0	14.0	17.0	14.0
137.5°	1.0	4.0	12.0	14.0	12.0
140°	1.0	3.0	10.0	12.0	10.0
142.5°	1.0	3.0	8.0	11.0	8.0
145°	1.0	2.0	7.0	9.0	7.0
147.5°	1.0	2.0	6.0	8.0	6.0
150°	1.0	2.0	5.0	7.0	4.0
152.5°	1.0	1.0	4.0	6.0	3.0
155°	1.0	1.0	3.0	4.0	2.0
157.5°	1.0	1.0	3.0	3.0	2.0
160°	1.0	1.0	3.0	3.0	1.0
162.5°	1.0	1.0	2.0	2.0	0.0
165°	1.0	2.0	2.0	2.0	0.0
167.5°	1.0	2.0	2.0	2.0	0.0
170°	1.0	2.0	2.0	2.0	0.0
172.5°	1.0	2.0	2.0	2.0	0.0
175°	2.0	2.0	2.0	2.0	0.0
177.5°	2.0	2.0	2.0	2.0	0.0
180°	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)