

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-LD5-42SL-LC-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 (P35657)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-42SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

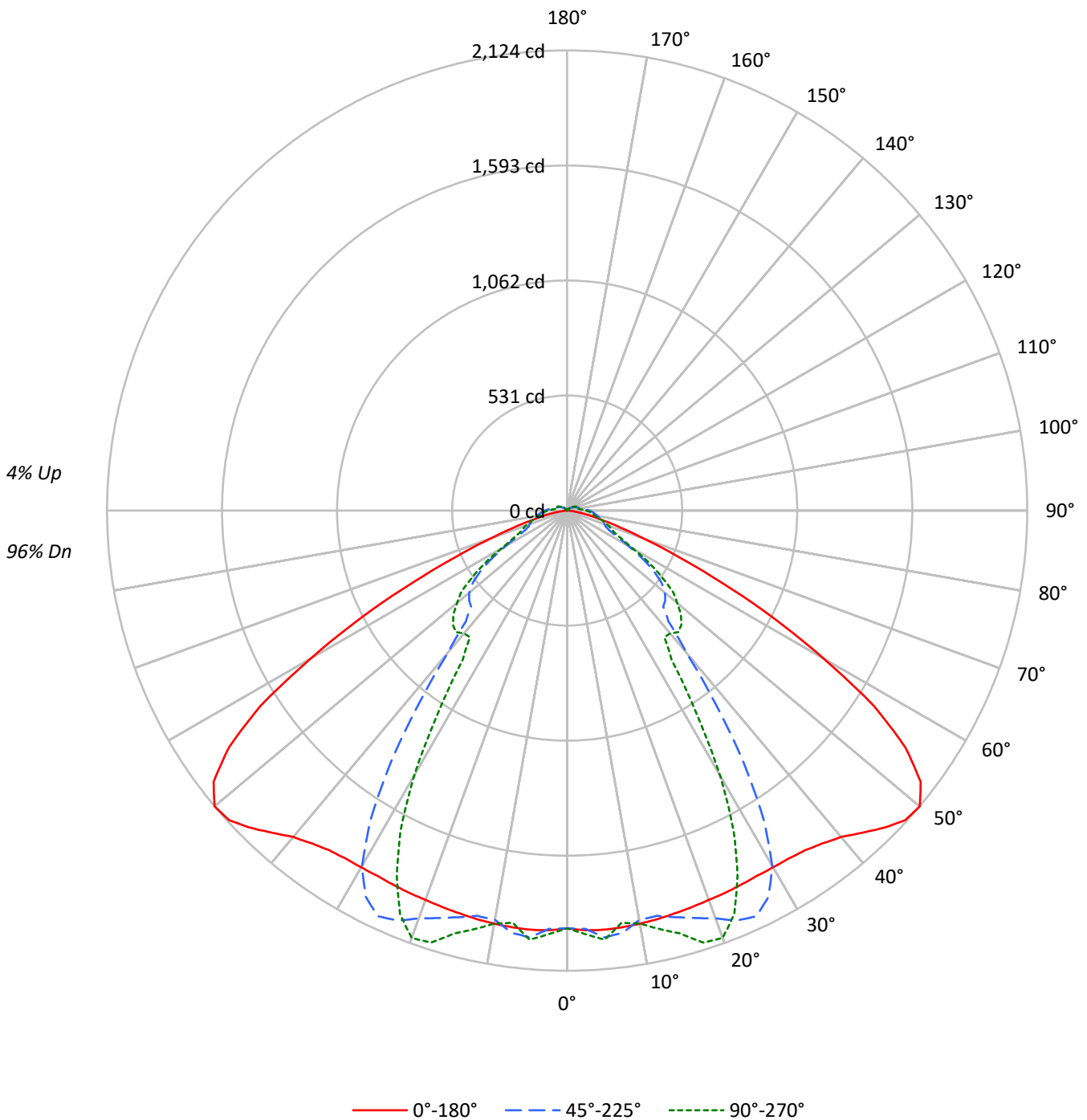
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4650.0 lumens
Efficiency: N/A
Efficacy: 157.1 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): 29.6
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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	109	105	101	97	106	102	99	95	97	94	92	93	90	88	89	87	85	83
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	72
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	62
4	86	75	67	61	83	73	66	60	70	64	59	68	62	58	65	60	57	54
5	79	67	59	53	77	66	59	53	64	57	52	61	56	51	59	54	50	48
6	74	61	53	47	72	60	52	47	58	51	46	56	50	46	54	49	45	43
7	69	56	48	42	67	55	47	42	53	46	41	52	45	41	50	45	40	38
8	64	51	43	38	62	51	43	38	49	42	37	48	41	37	46	41	37	35
9	60	47	40	35	58	47	39	34	45	39	34	44	38	34	43	37	33	32
10	56	44	36	32	55	43	36	31	42	36	31	41	35	31	40	34	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22641	22641	22641
5°	22800	22328	22148
10°	22902	21007	20646
15°	23110	20812	20849
20°	23507	21147	21104
25°	24161	21678	18391
30°	25122	19890	13838
35°	26593	15042	8220
40°	29041	9213	7273
45°	32880	6923	7422
50°	36816	6727	6754
55°	36647	5835	5586
60°	29756	4118	3783
65°	19788	2848	2745
70°	11412	2643	2477
75°	6272	2594	2103
80°	3468	2487	1796
85°	1587	2453	1768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	4.0
10°-20°	559.0	12.0
20°-30°	889.7	19.1
30°-40°	906.7	19.5
40°-50°	765.8	16.5
50°-60°	590.3	12.7
60°-70°	304.9	6.6
70°-80°	168.5	3.6
80°-90°	107.2	2.3
90°-100°	66.0	1.4
100°-110°	42.5	0.9
110°-120°	30.9	0.7
120°-130°	17.8	0.4
130°-140°	8.6	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°	1635.1	35.2
0°-40°	2541.9	54.7
0°-60°	3898.0	83.8
0°-90°	4478.7	96.3
90°-120°	139.4	3.0
90°-150°	169.4	3.6
90°-180°	171.0	3.7
0°-180°	4650.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1928	1928	1928	1928	1928	
5°	1942	1949	1978	1997	1989	185
15°	1924	1925	1943	2012	2021	545
25°	1904	1917	2066	1965	1861	882
35°	1914	2004	1419	965	841	1208
45°	2070	1208	627	723	745	1599
55°	1906	444	490	533	533	1651
65°	782	203	213	240	240	806
75°	162	134	165	166	162	195
85°	18	87	123	119	113	25
90°	0	67	102	94	87	1
95°	0	53	81	71	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°	1928.1	1928.1	1928.1	1928.1	1928.1
2.5°	1939.0	1932.1	1932.1	1956.9	1956.9
5°	1942.0	1949.0	1977.7	1996.6	1988.6
7.5°	1940.0	1971.8	1964.8	1937.1	1919.2
10°	1936.1	1983.7	1918.2	1937.1	1935.1
12.5°	1931.1	1965.8	1916.2	1982.7	1978.7
15°	1924.2	1925.2	1943.0	2012.4	2021.4
17.5°	1918.2	1899.4	1971.8	2065.0	2090.8
20°	1912.3	1891.4	2002.5	2109.6	2098.7
22.5°	1909.3	1898.4	2048.1	2075.9	2015.4
25°	1904.3	1917.2	2066.0	1964.8	1860.7
27.5°	1900.4	1939.0	2011.4	1775.4	1664.3
30°	1901.4	1969.8	1893.4	1553.2	1413.4
32.5°	1904.3	1999.5	1688.1	1255.7	1110.9
35°	1914.2	2004.5	1419.3	965.1	841.1
37.5°	1936.1	1950.0	1126.7	763.7	736.9
40°	1966.8	1785.3	855.0	713.1	739.9
42.5°	2016.4	1508.6	691.3	721.1	760.7
45°	2070.0	1208.1	626.8	723.0	744.9
47.5°	2115.6	891.7	613.9	696.3	712.1
50°	2124.5	671.5	589.2	653.6	663.5
52.5°	2057.1	530.6	549.5	597.1	614.9
55°	1906.3	444.3	490.0	532.6	532.6
57.5°	1679.2	376.9	411.6	452.3	448.3
60°	1366.8	310.4	328.3	353.1	347.1
62.5°	1075.2	249.0	254.9	281.7	285.6
65°	781.6	203.3	213.2	240.0	240.0
67.5°	548.5	173.6	192.4	217.2	219.2
70°	373.9	156.7	183.5	203.3	204.3
72.5°	254.9	144.8	174.6	185.5	182.5
75°	161.7	133.9	164.6	165.6	161.7
77.5°	105.1	122.0	154.7	146.8	143.8
80°	64.5	110.1	141.8	131.9	127.0
82.5°	36.7	98.2	131.9	125.0	120.0
85°	17.9	87.3	123.0	119.0	113.1
87.5°	6.9	77.4	113.1	107.1	101.2
90°	0.0	67.4	102.2	94.2	87.3
92.5°	0.0	59.5	91.2	81.3	75.4
95°	0.0	52.6	81.3	71.4	65.5
97.5°	0.0	46.6	72.4	63.5	56.5
100°	0.0	41.7	65.5	56.5	51.6
102.5°	0.0	36.7	58.5	52.6	49.6
105°	0.0	31.7	53.6	49.6	46.6
107.5°	0.0	27.8	48.6	47.6	45.6
110°	0.0	24.8	45.6	46.6	47.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.8	41.7	47.6	48.6
115°	1.0	18.8	38.7	46.6	45.6
117.5°	1.0	15.9	34.7	41.7	39.7
120°	1.0	13.9	31.7	37.7	34.7
122.5°	1.0	11.9	27.8	32.7	30.7
125°	1.0	9.9	24.8	29.8	26.8
127.5°	1.0	8.9	21.8	25.8	23.8
130°	1.0	7.9	18.8	22.8	20.8
132.5°	1.0	6.0	16.9	19.8	16.9
135°	1.0	5.0	13.9	16.9	13.9
137.5°	1.0	4.0	11.9	13.9	11.9
140°	1.0	3.0	9.9	11.9	9.9
142.5°	1.0	3.0	7.9	10.9	7.9
145°	1.0	2.0	6.9	8.9	6.9
147.5°	1.0	2.0	6.0	7.9	6.0
150°	1.0	2.0	5.0	6.9	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)