

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-L830-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-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

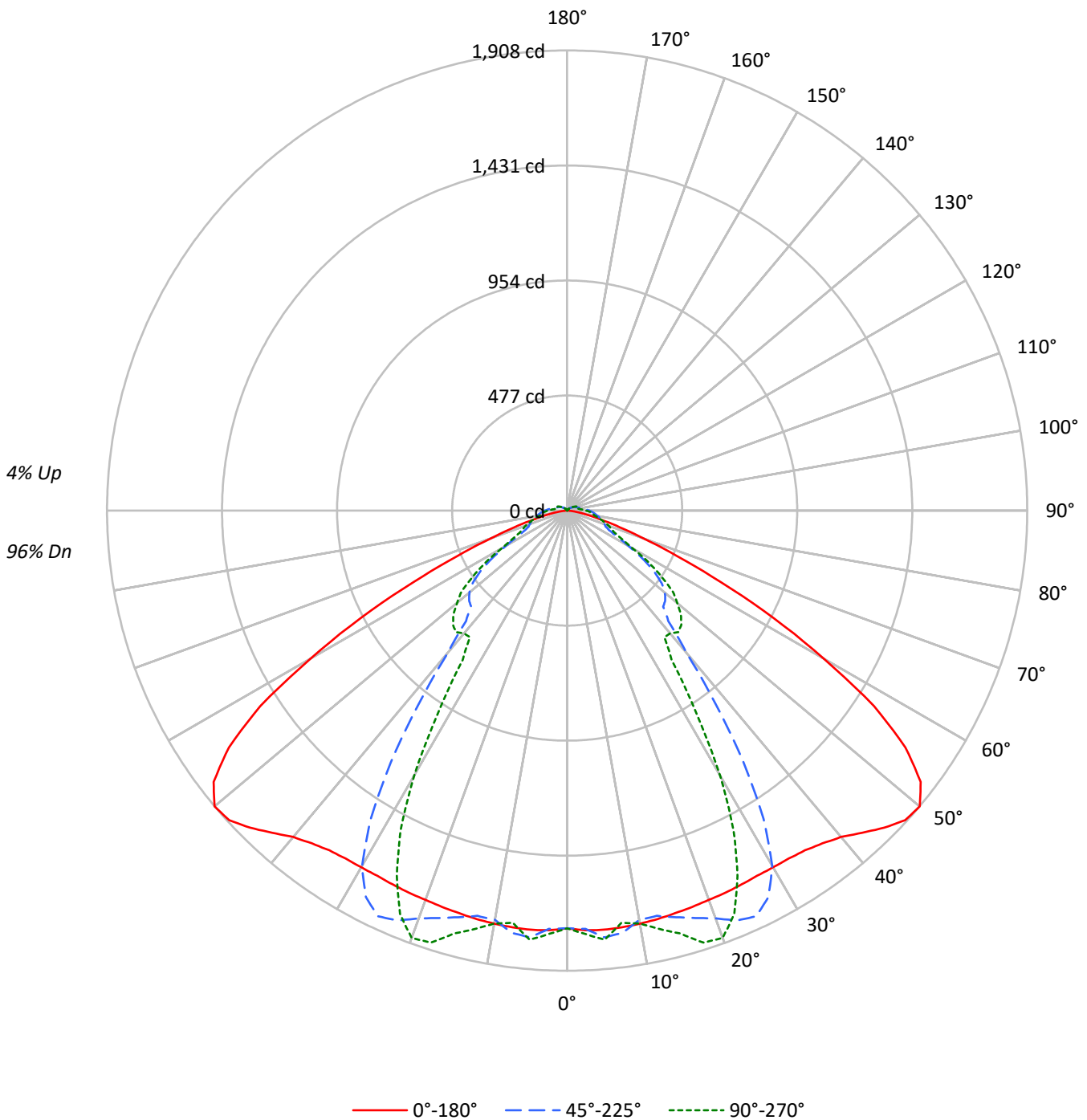
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4177.0 lumens
Efficiency: N/A
Efficacy: 141.1 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 (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	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°	20338	20338	20338
5°	20481	20057	19895
10°	20571	18870	18545
15°	20759	18696	18727
20°	21115	18996	18957
25°	21703	19472	16520
30°	22565	17867	12430
35°	23888	13511	7383
40°	26086	8276	6533
45°	29535	6219	6667
50°	33071	6042	6067
55°	32920	5241	5017
60°	26728	3699	3398
65°	17775	2560	2466
70°	10252	2374	2225
75°	5632	2330	1889
80°	3113	2234	1612
85°	1419	2204	1588



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	4.0
10°-20°	502.2	12.0
20°-30°	799.2	19.1
30°-40°	814.5	19.5
40°-50°	687.9	16.5
50°-60°	530.3	12.7
60°-70°	273.9	6.6
70°-80°	151.4	3.6
80°-90°	96.3	2.3
90°-100°	59.3	1.4
100°-110°	38.2	0.9
110°-120°	27.7	0.7
120°-130°	16.0	0.4
130°-140°	7.7	0.2
140°-150°	3.2	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1468.8	35.2
0°-40°	2283.3	54.7
0°-60°	3501.5	83.8
0°-90°	4023.1	96.3
90°-120°	125.2	3.0
90°-150°	152.2	3.6
90°-180°	154.0	3.7
0°-180°	4177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1732	1732	1732	1732	1732	
5°	1744	1751	1776	1794	1786	166
15°	1728	1729	1745	1808	1816	490
25°	1711	1722	1856	1765	1671	792
35°	1720	1801	1275	867	756	1085
45°	1859	1085	563	650	669	1436
55°	1712	399	440	478	478	1483
65°	702	183	192	216	216	724
75°	145	120	148	149	145	175
85°	16	78	110	107	102	22
90°	0	61	92	85	78	1
95°	0	47	73	64	59	0
105°	0	28	48	44	42	0
115°	1	17	35	42	41	1
125°	1	9	22	27	24	1
135°	1	4	12	15	12	1
145°	1	2	6	8	6	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	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1732.0	1732.0	1732.0	1732.0	1732.0
2.5°	1741.8	1735.6	1735.6	1757.8	1757.8
5°	1744.5	1750.7	1776.5	1793.5	1786.3
7.5°	1742.7	1771.2	1765.0	1740.0	1724.0
10°	1739.1	1781.9	1723.1	1740.0	1738.2
12.5°	1734.7	1765.9	1721.3	1781.0	1777.4
15°	1728.4	1729.3	1745.4	1807.7	1815.7
17.5°	1723.1	1706.2	1771.2	1855.0	1878.1
20°	1717.7	1699.0	1798.8	1895.0	1885.2
22.5°	1715.1	1705.3	1839.8	1864.8	1810.4
25°	1710.6	1722.2	1855.8	1765.0	1671.4
27.5°	1707.1	1741.8	1806.8	1594.8	1495.0
30°	1707.9	1769.4	1700.8	1395.2	1269.6
32.5°	1710.6	1796.1	1516.4	1127.9	997.9
35°	1719.5	1800.6	1274.9	866.9	755.5
37.5°	1739.1	1751.6	1012.1	686.0	662.0
40°	1766.7	1603.7	768.0	640.6	664.6
42.5°	1811.3	1355.1	621.0	647.7	683.4
45°	1859.4	1085.2	563.1	649.5	669.1
47.5°	1900.4	801.0	551.5	625.4	639.7
50°	1908.4	603.2	529.2	587.1	596.0
52.5°	1847.8	476.7	493.6	536.3	552.4
55°	1712.4	399.1	440.1	478.4	478.4
57.5°	1508.4	338.6	369.7	406.3	402.7
60°	1227.7	278.9	294.9	317.2	311.8
62.5°	965.8	223.6	229.0	253.0	256.6
65°	702.1	182.6	191.6	215.6	215.6
67.5°	492.7	155.9	172.8	195.1	196.9
70°	335.9	140.8	164.8	182.6	183.5
72.5°	229.0	130.1	156.8	166.6	163.9
75°	145.2	120.3	147.9	148.8	145.2
77.5°	94.4	109.6	139.0	131.9	129.2
80°	57.9	98.9	127.4	118.5	114.0
82.5°	33.0	88.2	118.5	112.3	107.8
85°	16.0	78.4	110.5	106.9	101.6
87.5°	6.2	69.5	101.6	96.2	90.9
90°	0.0	60.6	91.8	84.6	78.4
92.5°	0.0	53.5	82.0	73.1	67.7
95°	0.0	47.2	73.1	64.1	58.8
97.5°	0.0	41.9	65.0	57.0	50.8
100°	0.0	37.4	58.8	50.8	46.3
102.5°	0.0	33.0	52.6	47.2	44.5
105°	0.0	28.5	48.1	44.5	41.9
107.5°	0.0	24.9	43.7	42.8	41.0
110°	0.0	22.3	41.0	41.9	42.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.6	37.4	42.8	43.7
115°	0.9	16.9	34.7	41.9	41.0
117.5°	0.9	14.3	31.2	37.4	35.6
120°	0.9	12.5	28.5	33.9	31.2
122.5°	0.9	10.7	24.9	29.4	27.6
125°	0.9	8.9	22.3	26.7	24.1
127.5°	0.9	8.0	19.6	23.2	21.4
130°	0.9	7.1	16.9	20.5	18.7
132.5°	0.9	5.3	15.1	17.8	15.1
135°	0.9	4.5	12.5	15.1	12.5
137.5°	0.9	3.6	10.7	12.5	10.7
140°	0.9	2.7	8.9	10.7	8.9
142.5°	0.9	2.7	7.1	9.8	7.1
145°	0.9	1.8	6.2	8.0	6.2
147.5°	0.9	1.8	5.3	7.1	5.3
150°	0.9	1.8	4.5	6.2	3.6
152.5°	0.9	0.9	3.6	5.3	2.7
155°	0.9	0.9	2.7	3.6	1.8
157.5°	0.9	0.9	2.7	2.7	1.8
160°	0.9	0.9	2.7	2.7	0.9
162.5°	0.9	0.9	1.8	1.8	0.0
165°	0.9	1.8	1.8	1.8	0.0
167.5°	0.9	1.8	1.8	1.8	0.0
170°	0.9	1.8	1.8	1.8	0.0
172.5°	0.9	1.8	1.8	1.8	0.0
175°	1.8	1.8	1.8	1.8	0.0
177.5°	1.8	1.8	1.8	1.8	0.0
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)