

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-L840-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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

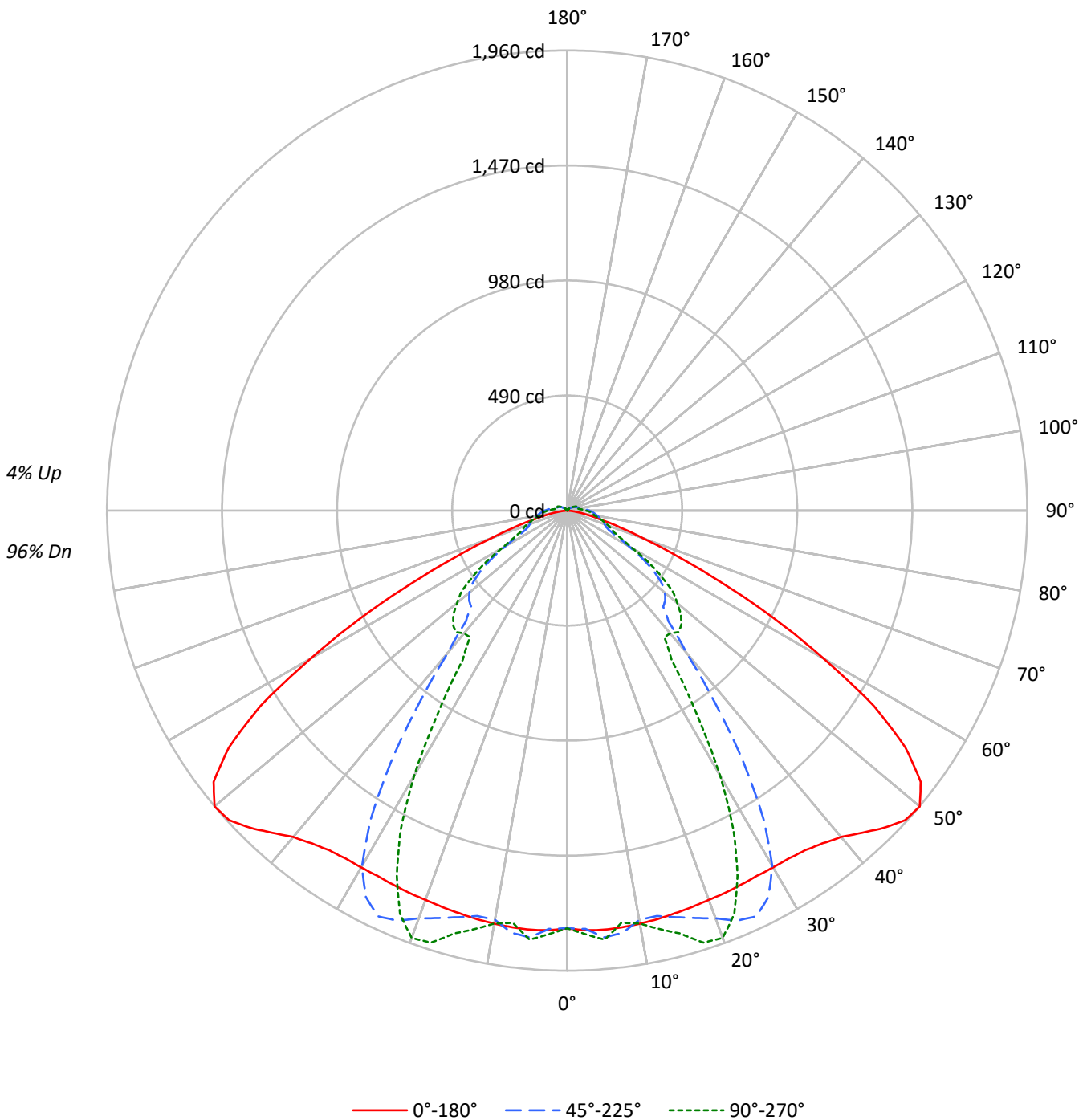
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4290.9 lumens
Efficiency: N/A
Efficacy: 145.0 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

TEST NUMBER: P#
CATALOG NUMBER: 4SRL-LD5-42SL-LC-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-42SL-LC-UNV-L840-CD1-U

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°	20893	20893	20893
5°	21040	20604	20439
10°	21133	19385	19052
15°	21326	19206	19239
20°	21692	19515	19475
25°	22296	20004	16970
30°	23182	18354	12769
35°	24541	13880	7585
40°	26799	8502	6712
45°	30342	6388	6849
50°	33974	6207	6233
55°	33818	5384	5154
60°	27457	3801	3491
65°	18259	2629	2533
70°	10533	2439	2285
75°	5787	2394	1941
80°	3199	2296	1658
85°	1463	2264	1630



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-42SL-LC-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	4.0
10°-20°	515.9	12.0
20°-30°	821.0	19.1
30°-40°	836.7	19.5
40°-50°	706.7	16.5
50°-60°	544.7	12.7
60°-70°	281.4	6.6
70°-80°	155.5	3.6
80°-90°	98.9	2.3
90°-100°	60.9	1.4
100°-110°	39.3	0.9
110°-120°	28.5	0.7
120°-130°	16.5	0.4
130°-140°	8.0	0.2
140°-150°	3.3	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1508.9	35.2
0°-40°	2345.6	54.7
0°-60°	3597.1	83.8
0°-90°	4132.9	96.3
90°-120°	128.6	3.0
90°-150°	156.3	3.6
90°-180°	158.0	3.7
0°-180°	4290.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1779	1779	1779	1779	1779	
5°	1792	1798	1825	1842	1835	171
15°	1776	1776	1793	1857	1865	503
25°	1757	1769	1906	1813	1717	814
35°	1766	1850	1310	891	776	1115
45°	1910	1115	578	667	687	1475
55°	1759	410	452	492	492	1523
65°	721	188	197	222	222	744
75°	149	124	152	153	149	180
85°	16	80	114	110	104	23
90°	0	62	94	87	80	1
95°	0	48	75	66	60	0
105°	0	29	49	46	43	0
115°	1	17	36	43	42	1
125°	1	9	23	28	25	1
135°	1	5	13	16	13	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#

CATALOG NUMBER: 4SRL-LD5-42SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1779.3	1779.3	1779.3	1779.3	1779.3
2.5°	1789.3	1782.9	1782.9	1805.8	1805.8
5°	1792.1	1798.5	1825.0	1842.4	1835.1
7.5°	1790.3	1819.5	1813.1	1787.5	1771.0
10°	1786.6	1830.5	1770.1	1787.5	1785.7
12.5°	1782.0	1814.1	1768.3	1829.6	1825.9
15°	1775.6	1776.5	1793.0	1857.1	1865.3
17.5°	1770.1	1752.7	1819.5	1905.6	1929.4
20°	1764.6	1745.4	1847.9	1946.8	1936.7
22.5°	1761.9	1751.8	1890.0	1915.6	1859.8
25°	1757.3	1769.2	1906.5	1813.1	1717.0
27.5°	1753.6	1789.3	1856.2	1638.3	1535.8
30°	1754.6	1817.7	1747.2	1433.3	1304.2
32.5°	1757.3	1845.2	1557.8	1158.7	1025.1
35°	1766.5	1849.7	1309.7	890.6	776.1
37.5°	1786.6	1799.4	1039.7	704.8	680.0
40°	1815.0	1647.5	789.0	658.1	682.8
42.5°	1860.7	1392.1	637.9	665.4	702.0
45°	1910.2	1114.8	578.4	667.2	687.4
47.5°	1952.3	822.8	566.5	642.5	657.2
50°	1960.5	619.6	543.7	603.2	612.3
52.5°	1898.3	489.7	507.1	551.0	567.5
55°	1759.1	410.0	452.1	491.5	491.5
57.5°	1549.5	347.8	379.8	417.4	413.7
60°	1261.2	286.5	303.0	325.8	320.3
62.5°	992.1	229.7	235.2	259.9	263.6
65°	721.2	187.6	196.8	221.5	221.5
67.5°	506.1	160.2	177.6	200.4	202.3
70°	345.1	144.6	169.3	187.6	188.5
72.5°	235.2	133.6	161.1	171.2	168.4
75°	149.2	123.6	151.9	152.8	149.2
77.5°	97.0	112.6	142.8	135.5	132.7
80°	59.5	101.6	130.9	121.7	117.2
82.5°	33.9	90.6	121.7	115.3	110.7
85°	16.5	80.5	113.5	109.8	104.3
87.5°	6.4	71.4	104.3	98.8	93.4
90°	0.0	62.2	94.3	86.9	80.5
92.5°	0.0	54.9	84.2	75.1	69.6
95°	0.0	48.5	75.1	65.9	60.4
97.5°	0.0	43.0	66.8	58.6	52.2
100°	0.0	38.4	60.4	52.2	47.6
102.5°	0.0	33.9	54.0	48.5	45.8
105°	0.0	29.3	49.4	45.8	43.0
107.5°	0.0	25.6	44.8	43.9	42.1
110°	0.0	22.9	42.1	43.0	43.9



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-42SL-LC-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.1	38.4	43.9	44.8
115°	0.9	17.4	35.7	43.0	42.1
117.5°	0.9	14.6	32.0	38.4	36.6
120°	0.9	12.8	29.3	34.8	32.0
122.5°	0.9	11.0	25.6	30.2	28.4
125°	0.9	9.2	22.9	27.5	24.7
127.5°	0.9	8.2	20.1	23.8	22.0
130°	0.9	7.3	17.4	21.1	19.2
132.5°	0.9	5.5	15.6	18.3	15.6
135°	0.9	4.6	12.8	15.6	12.8
137.5°	0.9	3.7	11.0	12.8	11.0
140°	0.9	2.7	9.2	11.0	9.2
142.5°	0.9	2.7	7.3	10.1	7.3
145°	0.9	1.8	6.4	8.2	6.4
147.5°	0.9	1.8	5.5	7.3	5.5
150°	0.9	1.8	4.6	6.4	3.7
152.5°	0.9	0.9	3.7	5.5	2.7
155°	0.9	0.9	2.7	3.7	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)