

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-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-LD5-42SL-LC-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

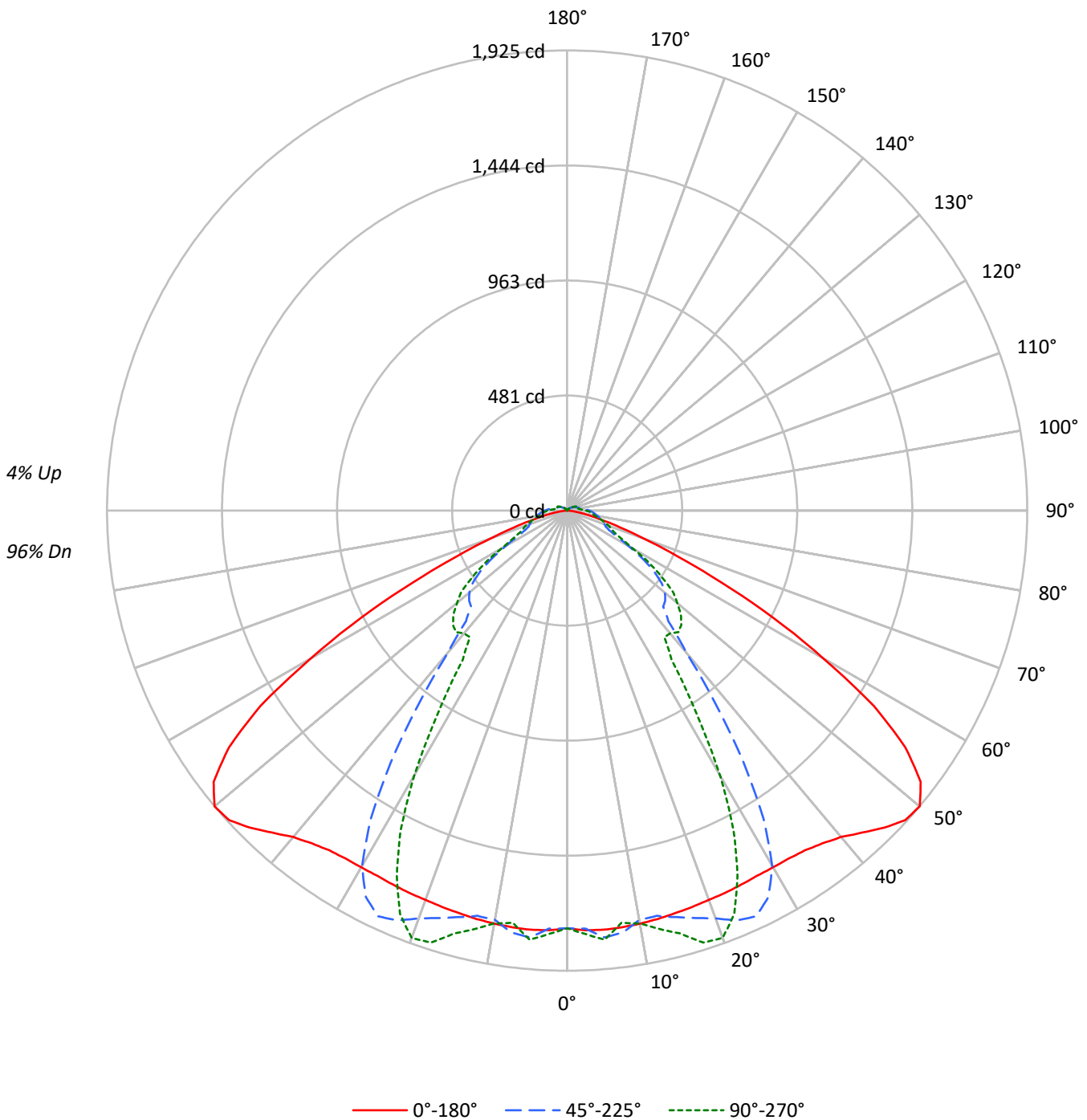
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4214.0 lumens
Efficiency: N/A
Efficacy: 142.4 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	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°	20518	20518	20518
5°	20662	20235	20072
10°	20754	19038	18710
15°	20943	18861	18894
20°	21303	19165	19125
25°	21896	19645	16666
30°	22766	18025	12540
35°	24101	13631	7449
40°	26318	8349	6591
45°	29797	6274	6726
50°	33364	6095	6121
55°	33212	5287	5062
60°	26965	3732	3429
65°	17932	2582	2487
70°	10344	2395	2245
75°	5683	2351	1906
80°	3140	2254	1628
85°	1436	2224	1602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.9	4.0
10°-20°	506.6	12.0
20°-30°	806.3	19.1
30°-40°	821.7	19.5
40°-50°	694.0	16.5
50°-60°	535.0	12.7
60°-70°	276.3	6.6
70°-80°	152.7	3.6
80°-90°	97.2	2.3
90°-100°	59.8	1.4
100°-110°	38.5	0.9
110°-120°	28.0	0.7
120°-130°	16.2	0.4
130°-140°	7.8	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°	1481.8	35.2
0°-40°	2303.6	54.7
0°-60°	3532.6	83.8
0°-90°	4058.8	96.3
90°-120°	126.3	3.0
90°-150°	153.6	3.6
90°-180°	155.0	3.7
0°-180°	4214.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1747	1747	1747	1747	1747	
5°	1760	1766	1792	1809	1802	168
15°	1744	1745	1761	1824	1832	494
25°	1726	1738	1872	1781	1686	799
35°	1735	1817	1286	875	762	1095
45°	1876	1095	568	655	675	1449
55°	1728	403	444	483	483	1496
65°	708	184	193	218	218	731
75°	146	121	149	150	146	176
85°	16	79	112	108	102	22
90°	0	61	93	85	79	1
95°	0	48	74	65	59	0
105°	0	29	48	45	42	0
115°	1	17	35	42	41	1
125°	1	9	22	27	24	1
135°	1	4	13	15	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1747.3	1747.3	1747.3	1747.3	1747.3
2.5°	1757.2	1750.9	1750.9	1773.4	1773.4
5°	1759.9	1766.2	1792.3	1809.4	1802.2
7.5°	1758.1	1786.9	1780.6	1755.4	1739.3
10°	1754.5	1797.7	1738.4	1755.4	1753.6
12.5°	1750.0	1781.5	1736.6	1796.8	1793.2
15°	1743.7	1744.6	1760.8	1823.7	1831.8
17.5°	1738.4	1721.3	1786.9	1871.4	1894.8
20°	1733.0	1714.1	1814.8	1911.8	1901.9
22.5°	1730.3	1720.4	1856.1	1881.3	1826.4
25°	1725.8	1737.5	1872.3	1780.6	1686.2
27.5°	1722.2	1757.2	1822.8	1608.9	1508.3
30°	1723.1	1785.1	1715.9	1407.6	1280.8
32.5°	1725.8	1812.1	1529.8	1137.9	1006.7
35°	1734.8	1816.6	1286.2	874.6	762.2
37.5°	1754.5	1767.1	1021.1	692.1	667.8
40°	1782.4	1617.9	774.8	646.3	670.5
42.5°	1827.3	1367.1	626.5	653.5	689.4
45°	1875.9	1094.8	568.1	655.3	675.0
47.5°	1917.2	808.1	556.4	631.0	645.4
50°	1925.3	608.5	533.9	592.3	601.3
52.5°	1864.2	480.9	498.0	541.1	557.3
55°	1727.6	402.7	444.0	482.7	482.7
57.5°	1521.7	341.6	373.0	409.9	406.3
60°	1238.6	281.3	297.5	320.0	314.6
62.5°	974.3	225.6	231.0	255.3	258.9
65°	708.3	184.3	193.3	217.5	217.5
67.5°	497.1	157.3	174.4	196.8	198.6
70°	338.9	142.0	166.3	184.3	185.2
72.5°	231.0	131.2	158.2	168.1	165.4
75°	146.5	121.3	149.2	150.1	146.5
77.5°	95.3	110.6	140.2	133.0	130.3
80°	58.4	99.8	128.5	119.5	115.1
82.5°	33.3	89.0	119.5	113.3	108.8
85°	16.2	79.1	111.5	107.9	102.5
87.5°	6.3	70.1	102.5	97.1	91.7
90°	0.0	61.1	92.6	85.4	79.1
92.5°	0.0	53.9	82.7	73.7	68.3
95°	0.0	47.6	73.7	64.7	59.3
97.5°	0.0	42.2	65.6	57.5	51.2
100°	0.0	37.8	59.3	51.2	46.7
102.5°	0.0	33.3	53.0	47.6	44.9
105°	0.0	28.8	48.5	44.9	42.2
107.5°	0.0	25.2	44.0	43.1	41.3
110°	0.0	22.5	41.3	42.2	43.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.8	37.8	43.1	44.0
115°	0.9	17.1	35.1	42.2	41.3
117.5°	0.9	14.4	31.5	37.8	36.0
120°	0.9	12.6	28.8	34.2	31.5
122.5°	0.9	10.8	25.2	29.7	27.9
125°	0.9	9.0	22.5	27.0	24.3
127.5°	0.9	8.1	19.8	23.4	21.6
130°	0.9	7.2	17.1	20.7	18.9
132.5°	0.9	5.4	15.3	18.0	15.3
135°	0.9	4.5	12.6	15.3	12.6
137.5°	0.9	3.6	10.8	12.6	10.8
140°	0.9	2.7	9.0	10.8	9.0
142.5°	0.9	2.7	7.2	9.9	7.2
145°	0.9	1.8	6.3	8.1	6.3
147.5°	0.9	1.8	5.4	7.2	5.4
150°	0.9	1.8	4.5	6.3	3.6
152.5°	0.9	0.9	3.6	5.4	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)