

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-LD5-38SL-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-LD5-38SL-LC-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

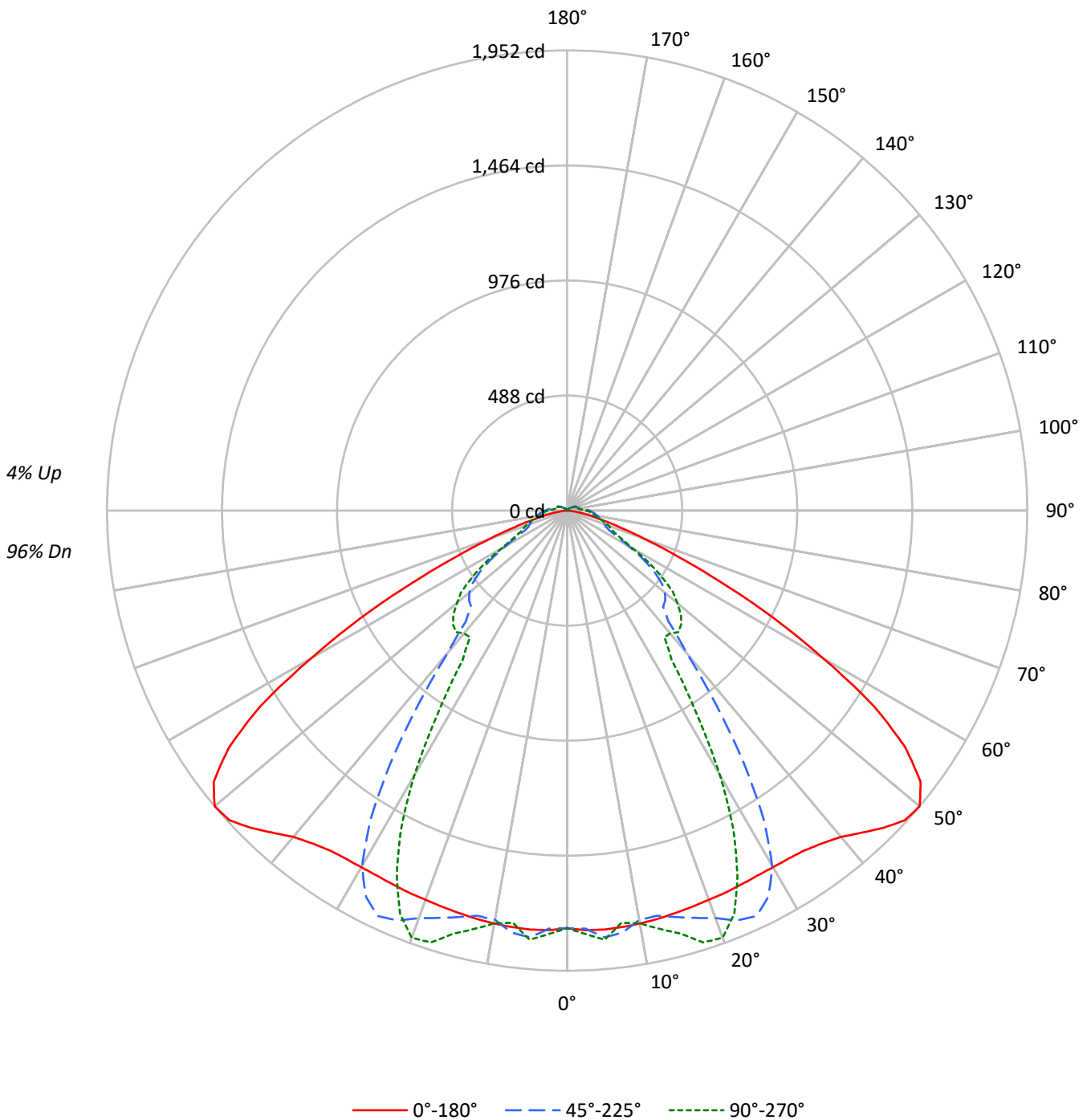
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4272.0 lumens
Efficiency: N/A
Efficacy: 159.4 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): 26.8
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°	20801	20801	20801
5°	20946	20514	20349
10°	21040	19299	18968
15°	21231	19121	19153
20°	21596	19428	19389
25°	22197	19915	16895
30°	23079	18273	12713
35°	24432	13819	7551
40°	26680	8464	6682
45°	30207	6361	6818
50°	33823	6180	6206
55°	33668	5360	5131
60°	27335	3783	3476
65°	18178	2617	2522
70°	10484	2429	2276
75°	5760	2384	1932
80°	3183	2285	1649
85°	1454	2254	1624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	4.0
10°-20°	513.6	12.0
20°-30°	817.4	19.1
30°-40°	833.0	19.5
40°-50°	703.6	16.5
50°-60°	542.3	12.7
60°-70°	280.2	6.6
70°-80°	154.8	3.6
80°-90°	98.5	2.3
90°-100°	60.6	1.4
100°-110°	39.1	0.9
110°-120°	28.3	0.7
120°-130°	16.4	0.4
130°-140°	7.9	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°	1502.2	35.2
0°-40°	2335.3	54.7
0°-60°	3581.2	83.8
0°-90°	4114.6	96.3
90°-120°	128.0	3.0
90°-150°	155.6	3.6
90°-180°	157.0	3.7
0°-180°	4272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1771	1771	1771	1771	1771	
5°	1784	1790	1817	1834	1827	170
15°	1768	1769	1785	1849	1857	501
25°	1750	1761	1898	1805	1709	810
35°	1759	1842	1304	887	773	1110
45°	1902	1110	576	664	684	1469
55°	1751	408	450	489	489	1516
65°	718	187	196	220	220	741
75°	148	123	151	152	148	179
85°	16	80	113	109	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	27	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1771.4	1771.4	1771.4	1771.4	1771.4
2.5°	1781.4	1775.0	1775.0	1797.8	1797.8
5°	1784.1	1790.5	1817.0	1834.3	1827.0
7.5°	1782.3	1811.5	1805.1	1779.6	1763.2
10°	1778.7	1822.4	1762.3	1779.6	1777.8
12.5°	1774.1	1806.0	1760.5	1821.5	1817.9
15°	1767.7	1768.7	1785.1	1848.8	1857.0
17.5°	1762.3	1745.0	1811.5	1897.1	1920.8
20°	1756.8	1737.7	1839.7	1938.1	1928.1
22.5°	1754.1	1744.1	1881.6	1907.2	1851.6
25°	1749.5	1761.4	1898.0	1805.1	1709.4
27.5°	1745.9	1781.4	1847.9	1631.1	1529.0
30°	1746.8	1809.7	1739.5	1427.0	1298.5
32.5°	1749.5	1837.0	1550.9	1153.6	1020.6
35°	1758.6	1841.6	1303.9	886.6	772.7
37.5°	1778.7	1791.4	1035.1	701.6	677.0
40°	1806.9	1640.2	785.5	655.2	679.8
42.5°	1852.5	1386.0	635.1	662.4	698.9
45°	1901.7	1109.9	575.9	664.3	684.3
47.5°	1943.6	819.2	564.0	639.7	654.2
50°	1951.8	616.9	541.3	600.5	609.6
52.5°	1889.8	487.5	504.8	548.5	565.0
55°	1751.3	408.2	450.1	489.3	489.3
57.5°	1542.7	346.3	378.2	415.5	411.9
60°	1255.6	285.2	301.6	324.4	318.9
62.5°	987.8	228.7	234.2	258.8	262.4
65°	718.0	186.8	195.9	220.5	220.5
67.5°	503.9	159.5	176.8	199.6	201.4
70°	343.5	144.0	168.6	186.8	187.7
72.5°	234.2	133.0	160.4	170.4	167.7
75°	148.5	123.0	151.3	152.2	148.5
77.5°	96.6	112.1	142.1	134.9	132.1
80°	59.2	101.1	130.3	121.2	116.6
82.5°	33.7	90.2	121.2	114.8	110.3
85°	16.4	80.2	113.0	109.3	103.9
87.5°	6.4	71.1	103.9	98.4	92.9
90°	0.0	62.0	93.9	86.6	80.2
92.5°	0.0	54.7	83.8	74.7	69.3
95°	0.0	48.3	74.7	65.6	60.1
97.5°	0.0	42.8	66.5	58.3	51.9
100°	0.0	38.3	60.1	51.9	47.4
102.5°	0.0	33.7	53.8	48.3	45.6
105°	0.0	29.2	49.2	45.6	42.8
107.5°	0.0	25.5	44.6	43.7	41.9
110°	0.0	22.8	41.9	42.8	43.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.0	38.3	43.7	44.6
115°	0.9	17.3	35.5	42.8	41.9
117.5°	0.9	14.6	31.9	38.3	36.4
120°	0.9	12.8	29.2	34.6	31.9
122.5°	0.9	10.9	25.5	30.1	28.2
125°	0.9	9.1	22.8	27.3	24.6
127.5°	0.9	8.2	20.0	23.7	21.9
130°	0.9	7.3	17.3	21.0	19.1
132.5°	0.9	5.5	15.5	18.2	15.5
135°	0.9	4.6	12.8	15.5	12.8
137.5°	0.9	3.6	10.9	12.8	10.9
140°	0.9	2.7	9.1	10.9	9.1
142.5°	0.9	2.7	7.3	10.0	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	3.6
152.5°	0.9	0.9	3.6	5.5	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)