

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-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-LD5-38SL-LC-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

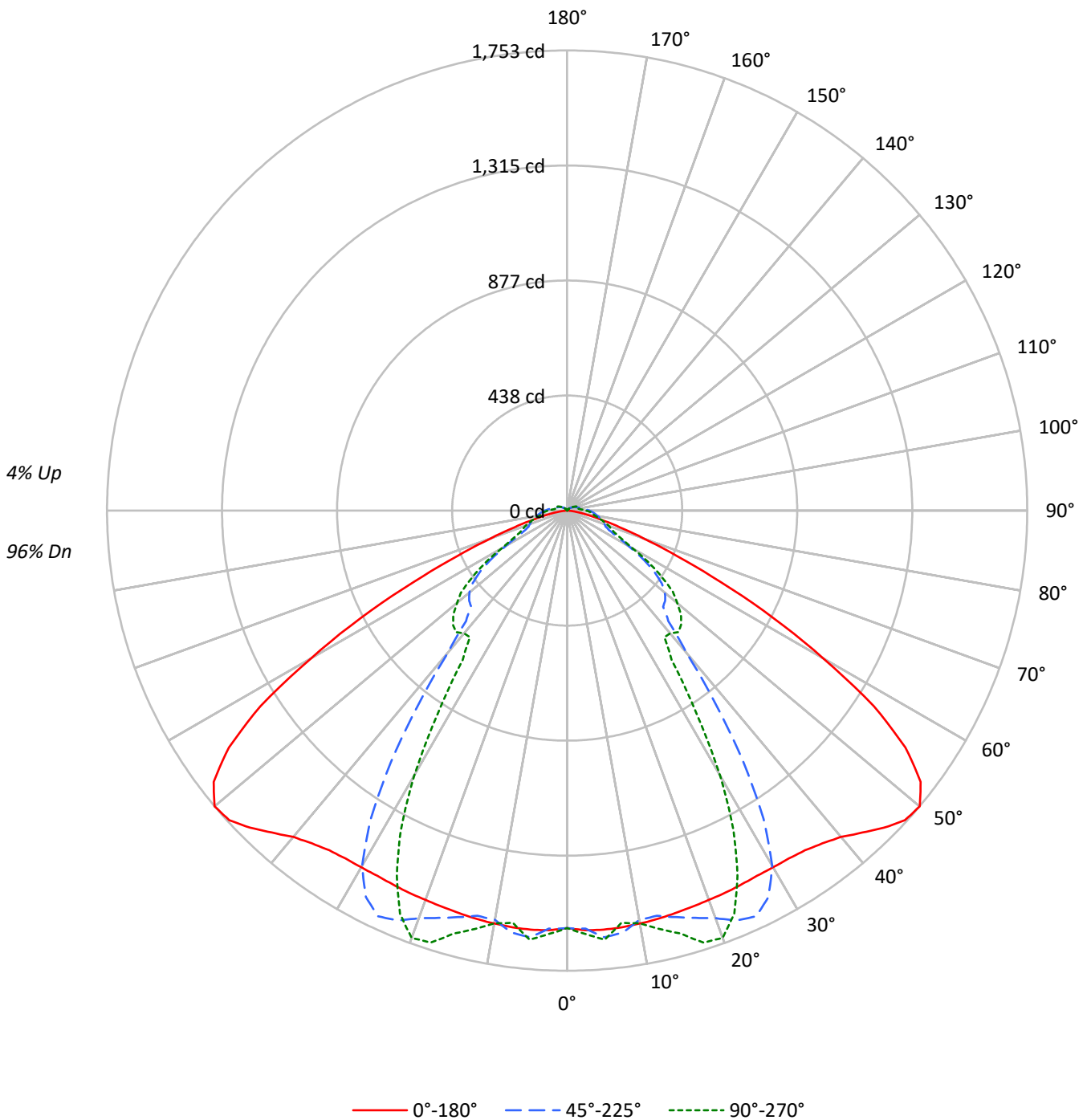
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3837.0 lumens
Efficiency: N/A
Efficacy: 143.2 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	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°	18682	18682	18682
5°	18814	18424	18276
10°	18898	17334	17036
15°	19069	17174	17204
20°	19397	17450	17415
25°	19937	17888	15175
30°	20729	16413	11419
35°	21945	12412	6782
40°	23963	7602	6001
45°	27132	5712	6124
50°	30380	5550	5573
55°	30240	4815	4609
60°	24553	3398	3122
65°	16327	2351	2265
70°	9416	2181	2044
75°	5174	2141	1735
80°	2860	2052	1482
85°	1303	2024	1458



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	4.0
10°-20°	461.3	12.0
20°-30°	734.2	19.1
30°-40°	748.2	19.5
40°-50°	631.9	16.5
50°-60°	487.1	12.7
60°-70°	251.6	6.6
70°-80°	139.0	3.6
80°-90°	88.5	2.3
90°-100°	54.5	1.4
100°-110°	35.1	0.9
110°-120°	25.5	0.7
120°-130°	14.7	0.4
130°-140°	7.1	0.2
140°-150°	3.0	0.1
150°-160°	1.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1349.3	35.2
0°-40°	2097.5	54.7
0°-60°	3216.5	83.8
0°-90°	3695.6	96.3
90°-120°	115.0	3.0
90°-150°	139.8	3.6
90°-180°	141.0	3.7
0°-180°	3837.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1591	1591	1591	1591	1591	
5°	1602	1608	1632	1648	1641	153
15°	1588	1589	1603	1661	1668	450
25°	1571	1582	1705	1621	1535	728
35°	1580	1654	1171	796	694	997
45°	1708	997	517	597	615	1319
55°	1573	367	404	440	440	1362
65°	645	168	176	198	198	665
75°	133	110	136	137	133	161
85°	15	72	102	98	93	20
90°	0	56	84	78	72	1
95°	0	43	67	59	54	0
105°	0	26	44	41	38	0
115°	1	16	32	38	38	0
125°	1	8	20	25	22	1
135°	1	4	12	14	12	1
145°	1	2	6	7	6	1
155°	1	1	2	3	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°	1591.0	1591.0	1591.0	1591.0	1591.0
2.5°	1600.0	1594.3	1594.3	1614.8	1614.8
5°	1602.5	1608.2	1631.9	1647.5	1640.9
7.5°	1600.8	1627.0	1621.3	1598.4	1583.7
10°	1597.6	1636.9	1582.8	1598.4	1596.7
12.5°	1593.5	1622.1	1581.2	1636.0	1632.8
15°	1587.7	1588.6	1603.3	1660.6	1668.0
17.5°	1582.8	1567.3	1627.0	1704.0	1725.2
20°	1577.9	1560.7	1652.4	1740.8	1731.8
22.5°	1575.5	1566.5	1690.0	1713.0	1663.0
25°	1571.4	1582.0	1704.8	1621.3	1535.4
27.5°	1568.1	1600.0	1659.8	1465.0	1373.3
30°	1568.9	1625.4	1562.4	1281.7	1166.3
32.5°	1571.4	1649.9	1393.0	1036.1	916.6
35°	1579.6	1654.0	1171.2	796.3	694.0
37.5°	1597.6	1609.0	929.7	630.2	608.1
40°	1622.9	1473.2	705.5	588.4	610.5
42.5°	1663.9	1244.8	570.4	595.0	627.7
45°	1708.1	996.8	517.2	596.6	614.6
47.5°	1745.7	735.8	506.6	574.5	587.6
50°	1753.1	554.1	486.1	539.3	547.5
52.5°	1697.4	437.9	453.4	492.7	507.4
55°	1573.0	366.7	404.3	439.5	439.5
57.5°	1385.6	311.0	339.6	373.2	369.9
60°	1127.8	256.2	270.9	291.4	286.4
62.5°	887.2	205.4	210.3	232.4	235.7
65°	644.9	167.8	176.0	198.1	198.1
67.5°	452.6	143.2	158.8	179.2	180.9
70°	308.5	129.3	151.4	167.8	168.6
72.5°	210.3	119.5	144.0	153.0	150.6
75°	133.4	110.5	135.9	136.7	133.4
77.5°	86.8	100.7	127.7	121.1	118.7
80°	53.2	90.8	117.0	108.9	104.8
82.5°	30.3	81.0	108.9	103.1	99.0
85°	14.7	72.0	101.5	98.2	93.3
87.5°	5.7	63.8	93.3	88.4	83.5
90°	0.0	55.7	84.3	77.8	72.0
92.5°	0.0	49.1	75.3	67.1	62.2
95°	0.0	43.4	67.1	58.9	54.0
97.5°	0.0	38.5	59.7	52.4	46.7
100°	0.0	34.4	54.0	46.7	42.6
102.5°	0.0	30.3	48.3	43.4	40.9
105°	0.0	26.2	44.2	40.9	38.5
107.5°	0.0	22.9	40.1	39.3	37.6
110°	0.0	20.5	37.6	38.5	39.3



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.0	34.4	39.3	40.1
115°	0.8	15.6	31.9	38.5	37.6
117.5°	0.8	13.1	28.6	34.4	32.7
120°	0.8	11.5	26.2	31.1	28.6
122.5°	0.8	9.8	22.9	27.0	25.4
125°	0.8	8.2	20.5	24.6	22.1
127.5°	0.8	7.4	18.0	21.3	19.6
130°	0.8	6.5	15.6	18.8	17.2
132.5°	0.8	4.9	13.9	16.4	13.9
135°	0.8	4.1	11.5	13.9	11.5
137.5°	0.8	3.3	9.8	11.5	9.8
140°	0.8	2.5	8.2	9.8	8.2
142.5°	0.8	2.5	6.5	9.0	6.5
145°	0.8	1.6	5.7	7.4	5.7
147.5°	0.8	1.6	4.9	6.5	4.9
150°	0.8	1.6	4.1	5.7	3.3
152.5°	0.8	0.8	3.3	4.9	2.5
155°	0.8	0.8	2.5	3.3	1.6
157.5°	0.8	0.8	2.5	2.5	1.6
160°	0.8	0.8	2.5	2.5	0.8
162.5°	0.8	0.8	1.6	1.6	0.0
165°	0.8	1.6	1.6	1.6	0.0
167.5°	0.8	1.6	1.6	1.6	0.0
170°	0.8	1.6	1.6	1.6	0.0
172.5°	0.8	1.6	1.6	1.6	0.0
175°	1.6	1.6	1.6	1.6	0.0
177.5°	1.6	1.6	1.6	1.6	0.0
180°	0.8	0.8	0.8	0.8	0.8

(END OF REPORT)