

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-LD5-41SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-41SL-LN-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

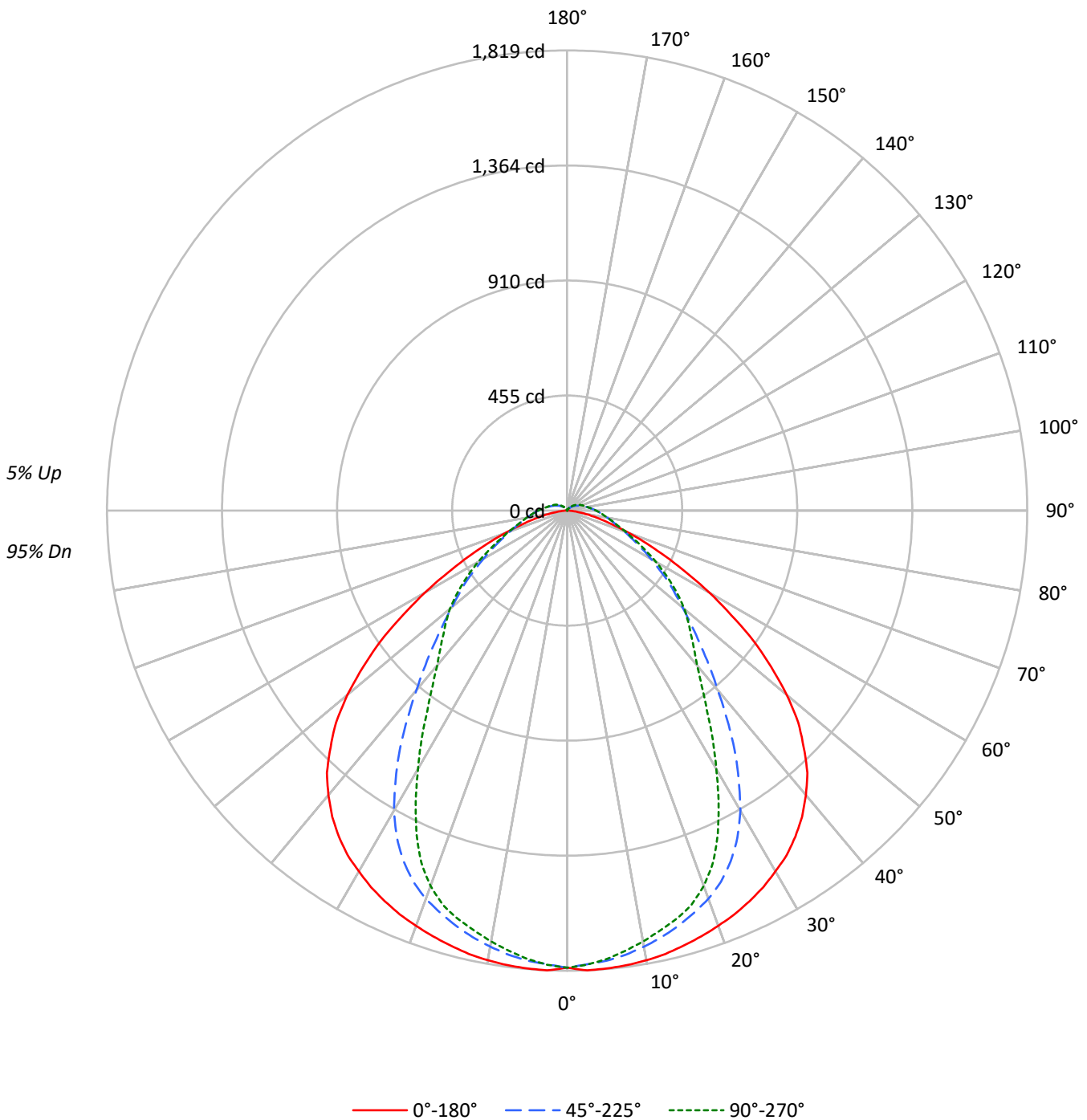
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4131.0 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.04 / 1.14
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-LD5-41SL-LN-UNV-L835-CD1-U

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	114	114	114	114	108	108	108	103	103	103	97	97	97	95
1	108	104	100	96	105	101	97	94	96	93	90	91	89	86	87	85	83	80
2	99	92	85	80	96	89	83	79	85	80	76	81	77	74	77	74	71	69
3	91	82	74	68	88	80	73	67	76	70	65	73	68	63	69	65	62	59
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52
5	78	66	58	51	76	65	57	51	62	55	50	59	54	49	57	52	48	46
6	72	60	51	45	70	59	51	45	56	49	44	54	48	44	52	47	43	41
7	67	55	46	41	65	54	46	40	52	45	40	50	44	39	48	43	38	37
8	63	50	42	37	61	49	42	36	48	41	36	46	40	35	44	39	35	33
9	59	46	38	33	57	45	38	33	44	37	33	43	37	32	41	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21216	21216	21216
5°	21329	20165	19823
10°	21351	19167	18453
15°	21376	18198	17236
20°	21470	17248	15882
25°	21623	16054	13931
30°	21758	14391	11538
35°	21855	12232	9408
40°	21674	9977	7846
45°	21004	8171	6897
50°	19643	6784	6159
55°	17350	5791	5289
60°	14129	4803	4419
65°	10856	4022	3618
70°	7929	3444	2997
75°	5543	3046	2549
80°	3720	2822	2276
85°	2155	2688	2121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.2	4.1
10°-20°	483.5	11.7
20°-30°	706.4	17.1
30°-40°	754.5	18.3
40°-50°	664.9	16.1
50°-60°	504.8	12.2
60°-70°	321.9	7.8
70°-80°	192.0	4.6
80°-90°	120.6	2.9
90°-100°	79.8	1.9
100°-110°	54.3	1.3
110°-120°	36.5	0.9
120°-130°	22.6	0.5
130°-140°	11.9	0.3
140°-150°	5.2	0.1
150°-160°	1.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1360.1	32.9
0°-40°	2114.6	51.2
0°-60°	3284.3	79.5
0°-90°	3918.7	94.9
90°-120°	170.5	4.1
90°-150°	210.2	5.1
90°-180°	212.0	5.1
0°-180°	4131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1807	1807	1807	1807	1807	
5°	1817	1803	1786	1792	1780	173
15°	1780	1747	1699	1687	1671	503
25°	1704	1628	1530	1456	1410	786
35°	1573	1402	1154	1010	963	983
45°	1322	995	740	697	692	1017
55°	902	564	486	503	504	799
65°	429	290	301	319	316	433
75°	143	147	193	202	196	159
85°	24	80	135	142	136	29
90°	1	60	114	120	114	2
95°	0	46	95	101	95	0
105°	0	29	66	73	70	0
115°	0	18	46	55	54	0
125°	1	12	31	39	38	1
135°	1	6	19	23	22	1
145°	1	3	10	13	12	1
155°	1	2	4	5	4	0
165°	1	2	2	0	0	0
175°	2	2	2	0	0	0
180°	1	1	1	1	1	



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-41SL-LN-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1806.8	1806.8	1806.8	1806.8	1806.8
2.5°	1819.4	1808.6	1795.1	1804.1	1796.9
5°	1816.7	1803.2	1786.1	1791.5	1779.8
7.5°	1812.2	1795.1	1770.9	1769.1	1755.6
10°	1805.0	1782.5	1750.2	1743.9	1729.5
12.5°	1795.1	1767.3	1726.8	1716.9	1699.8
15°	1779.8	1746.6	1698.9	1687.3	1671.1
17.5°	1764.6	1723.2	1667.5	1653.1	1634.2
20°	1746.6	1696.2	1633.3	1602.8	1579.4
22.5°	1727.7	1665.7	1588.4	1537.1	1506.6
25°	1704.3	1627.9	1530.0	1456.2	1409.5
27.5°	1678.3	1588.4	1458.0	1352.0	1296.2
30°	1646.8	1535.3	1369.9	1236.9	1178.5
32.5°	1615.3	1477.8	1262.1	1123.6	1070.6
35°	1573.1	1402.3	1154.2	1009.5	962.7
37.5°	1525.5	1317.8	1036.4	907.9	873.7
40°	1467.9	1218.9	925.9	823.4	798.2
42.5°	1405.9	1110.2	829.7	755.1	741.6
45°	1322.3	995.1	739.8	696.7	692.2
47.5°	1239.6	880.0	663.4	645.4	648.1
50°	1133.5	765.9	594.2	600.5	605.0
52.5°	1016.7	660.7	537.6	551.0	554.6
55°	902.5	564.5	486.3	503.4	504.3
57.5°	769.5	480.0	430.6	456.6	454.0
60°	649.0	405.4	382.9	403.6	405.4
62.5°	530.4	344.3	340.7	358.7	357.8
65°	428.8	290.3	301.1	319.1	316.4
67.5°	340.7	242.7	267.9	283.2	276.9
70°	259.8	205.9	239.1	250.8	247.2
72.5°	195.1	174.4	213.9	224.7	218.4
75°	142.9	147.4	193.3	202.3	196.0
77.5°	102.5	126.7	177.1	182.5	178.0
80°	69.2	107.9	160.9	168.1	160.9
82.5°	44.0	92.6	147.4	153.7	147.4
85°	24.3	80.0	134.8	142.0	135.7
87.5°	10.8	69.2	124.1	130.3	124.9
90°	0.9	60.2	114.2	119.6	114.2
92.5°	0.0	52.1	104.3	110.6	105.2
95°	0.0	45.8	95.3	100.7	95.3
97.5°	0.0	40.5	87.2	92.6	88.1
100°	0.0	36.0	80.0	85.4	80.9
102.5°	0.0	31.5	72.8	79.1	75.5
105°	0.0	28.8	66.5	72.8	70.1
107.5°	0.0	25.2	61.1	68.3	66.5
110°	0.0	22.5	55.7	63.8	62.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.7	50.3	59.3	57.5
115°	0.0	18.0	45.8	54.8	53.9
117.5°	0.0	16.2	42.2	50.3	50.3
120°	0.9	14.4	38.7	46.7	45.8
122.5°	0.9	12.6	34.2	42.2	41.4
125°	0.9	11.7	30.6	38.7	37.8
127.5°	0.9	9.9	27.9	34.2	33.3
130°	0.9	9.0	24.3	30.6	29.7
132.5°	0.9	7.2	21.6	27.0	26.1
135°	0.9	6.3	18.9	23.4	22.5
137.5°	0.9	5.4	16.2	20.7	19.8
140°	0.9	4.5	14.4	18.0	17.1
142.5°	0.9	3.6	11.7	15.3	14.4
145°	0.9	2.7	9.9	12.6	11.7
147.5°	0.9	1.8	8.1	10.8	9.9
150°	0.9	1.8	6.3	9.0	8.1
152.5°	0.9	1.8	5.4	7.2	5.4
155°	0.9	1.8	3.6	5.4	3.6
157.5°	0.9	1.8	2.7	3.6	2.7
160°	0.9	1.8	2.7	2.7	0.9
162.5°	0.9	1.8	1.8	0.9	0.0
165°	0.9	1.8	1.8	0.0	0.0
167.5°	0.9	1.8	1.8	0.0	0.0
170°	0.9	1.8	1.8	0.0	0.0
172.5°	0.9	1.8	1.8	0.0	0.0
175°	1.8	1.8	1.8	0.0	0.0
177.5°	0.9	1.8	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)