

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-LD5-29SL-LN-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 (P35658)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-29SL-LN-UNV-L850-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

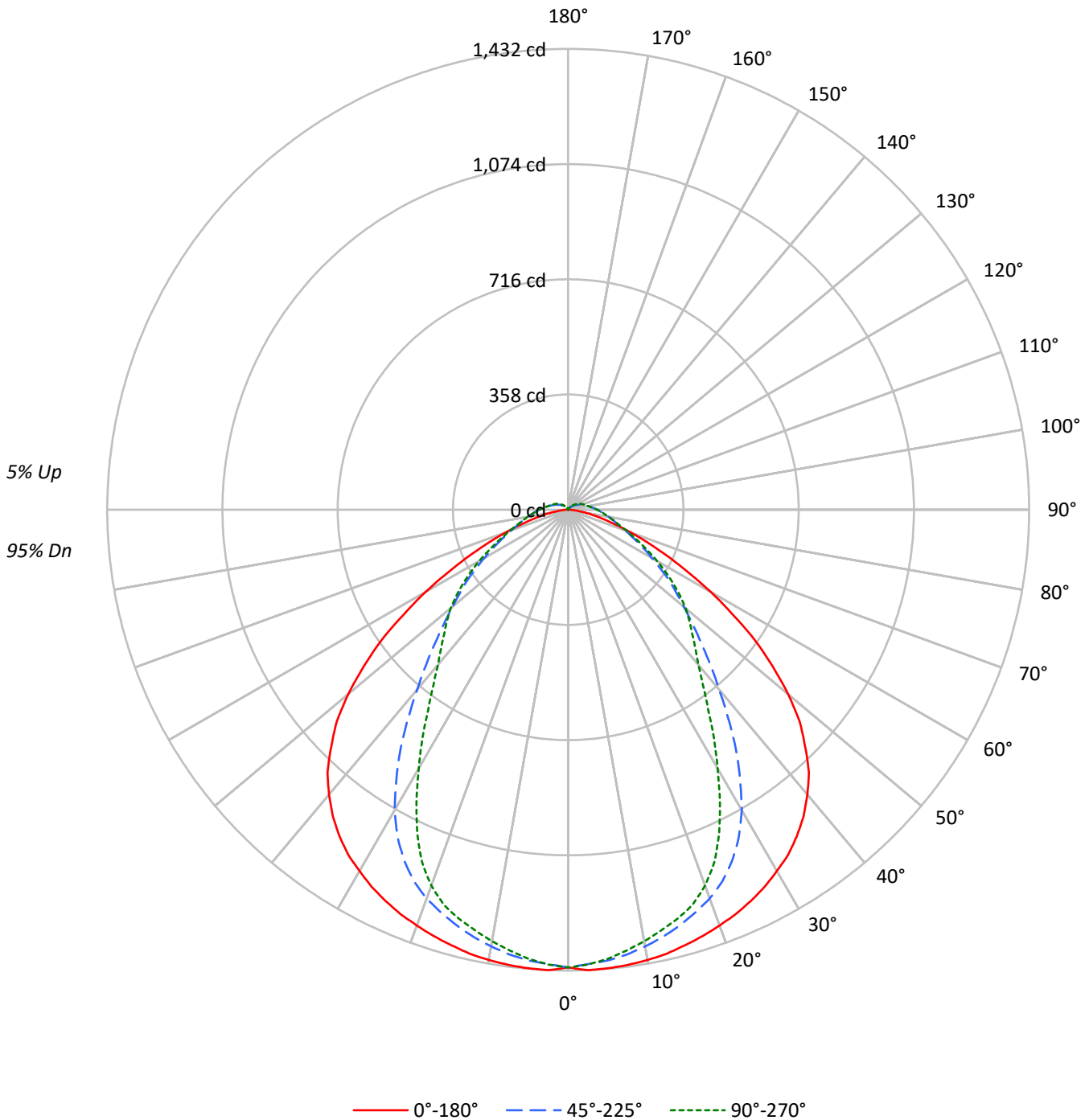
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3252.0 lumens
Efficiency: N/A
Efficacy: 161.0 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): 20.2
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	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°	16702	16702	16702
5°	16790	15875	15605
10°	16808	15089	14526
15°	16828	14325	13568
20°	16901	13579	12503
25°	17023	12637	10967
30°	17128	11329	9083
35°	17205	9629	7407
40°	17063	7854	6177
45°	16534	6432	5429
50°	15463	5341	4848
55°	13659	4559	4163
60°	11123	3782	3478
65°	8545	3167	2849
70°	6242	2711	2359
75°	4364	2397	2007
80°	2930	2222	1792
85°	1693	2116	1671



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	4.1
10°-20°	380.6	11.7
20°-30°	556.1	17.1
30°-40°	593.9	18.3
40°-50°	523.4	16.1
50°-60°	397.4	12.2
60°-70°	253.4	7.8
70°-80°	151.1	4.6
80°-90°	94.9	2.9
90°-100°	62.8	1.9
100°-110°	42.7	1.3
110°-120°	28.7	0.9
120°-130°	17.8	0.5
130°-140°	9.4	0.3
140°-150°	4.1	0.1
150°-160°	1.3	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1070.7	32.9
0°-40°	1664.6	51.2
0°-60°	2585.5	79.5
0°-90°	3084.9	94.9
90°-120°	134.3	4.1
90°-150°	165.5	5.1
90°-180°	167.0	5.1
0°-180°	3252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1430	1420	1406	1410	1401	136
15°	1401	1375	1337	1328	1316	396
25°	1342	1282	1204	1146	1110	619
35°	1238	1104	909	795	758	774
45°	1041	783	582	548	545	800
55°	710	444	383	396	397	629
65°	338	229	237	251	249	341
75°	112	116	152	159	154	125
85°	19	63	106	112	107	23
90°	1	47	90	94	90	1
95°	0	36	75	79	75	0
105°	0	23	52	57	55	0
115°	0	14	36	43	42	0
125°	1	9	24	30	30	1
135°	1	5	15	18	18	1
145°	1	2	8	10	9	0
155°	1	1	3	4	3	0
165°	1	1	1	0	0	0
175°	1	1	1	0	0	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1422.4	1422.4	1422.4	1422.4	1422.4
2.5°	1432.3	1423.8	1413.2	1420.2	1414.6
5°	1430.1	1419.5	1406.1	1410.3	1401.1
7.5°	1426.6	1413.2	1394.1	1392.6	1382.0
10°	1420.9	1403.3	1377.8	1372.8	1361.5
12.5°	1413.2	1391.2	1359.4	1351.6	1338.2
15°	1401.1	1374.9	1337.4	1328.2	1315.5
17.5°	1389.1	1356.5	1312.7	1301.4	1286.5
20°	1374.9	1335.3	1285.8	1261.7	1243.3
22.5°	1360.1	1311.3	1250.4	1210.1	1186.0
25°	1341.7	1281.5	1204.4	1146.4	1109.6
27.5°	1321.2	1250.4	1147.8	1064.3	1020.4
30°	1296.4	1208.7	1078.4	973.7	927.7
32.5°	1271.6	1163.4	993.5	884.6	842.8
35°	1238.4	1103.9	908.6	794.7	757.9
37.5°	1200.9	1037.4	815.9	714.7	687.8
40°	1155.6	959.6	728.9	648.2	628.4
42.5°	1106.8	873.9	653.2	594.4	583.8
45°	1040.9	783.4	582.4	548.4	544.9
47.5°	975.8	692.8	522.2	508.1	510.2
50°	892.3	602.9	467.8	472.7	476.2
52.5°	800.3	520.1	423.2	433.8	436.6
55°	710.5	444.4	382.8	396.3	397.0
57.5°	605.7	377.9	339.0	359.5	357.4
60°	510.9	319.1	301.5	317.7	319.1
62.5°	417.5	271.0	268.2	282.3	281.6
65°	337.5	228.6	237.1	251.2	249.1
67.5°	268.2	191.1	210.9	222.9	218.0
70°	204.5	162.0	188.2	197.4	194.6
72.5°	153.6	137.3	168.4	176.9	172.0
75°	112.5	116.1	152.1	159.2	154.3
77.5°	80.7	99.8	139.4	143.7	140.1
80°	54.5	84.9	126.7	132.3	126.7
82.5°	34.7	72.9	116.1	121.0	116.1
85°	19.1	63.0	106.1	111.8	106.9
87.5°	8.5	54.5	97.7	102.6	98.4
90°	0.7	47.4	89.9	94.1	89.9
92.5°	0.0	41.0	82.1	87.0	82.8
95°	0.0	36.1	75.0	79.3	75.0
97.5°	0.0	31.8	68.6	72.9	69.3
100°	0.0	28.3	63.0	67.2	63.7
102.5°	0.0	24.8	57.3	62.3	59.4
105°	0.0	22.6	52.4	57.3	55.2
107.5°	0.0	19.8	48.1	53.8	52.4
110°	0.0	17.7	43.9	50.2	48.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	16.3	39.6	46.7	45.3
115°	0.0	14.2	36.1	43.2	42.5
117.5°	0.0	12.7	33.3	39.6	39.6
120°	0.7	11.3	30.4	36.8	36.1
122.5°	0.7	9.9	26.9	33.3	32.6
125°	0.7	9.2	24.1	30.4	29.7
127.5°	0.7	7.8	21.9	26.9	26.2
130°	0.7	7.1	19.1	24.1	23.4
132.5°	0.7	5.7	17.0	21.2	20.5
135°	0.7	5.0	14.9	18.4	17.7
137.5°	0.7	4.2	12.7	16.3	15.6
140°	0.7	3.5	11.3	14.2	13.4
142.5°	0.7	2.8	9.2	12.0	11.3
145°	0.7	2.1	7.8	9.9	9.2
147.5°	0.7	1.4	6.4	8.5	7.8
150°	0.7	1.4	5.0	7.1	6.4
152.5°	0.7	1.4	4.2	5.7	4.2
155°	0.7	1.4	2.8	4.2	2.8
157.5°	0.7	1.4	2.1	2.8	2.1
160°	0.7	1.4	2.1	2.1	0.7
162.5°	0.7	1.4	1.4	0.7	0.0
165°	0.7	1.4	1.4	0.0	0.0
167.5°	0.7	1.4	1.4	0.0	0.0
170°	0.7	1.4	1.4	0.0	0.0
172.5°	0.7	1.4	1.4	0.0	0.0
175°	1.4	1.4	1.4	0.0	0.0
177.5°	0.7	1.4	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)