

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-LD5-30SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-30SL-LW-UNV-L835-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

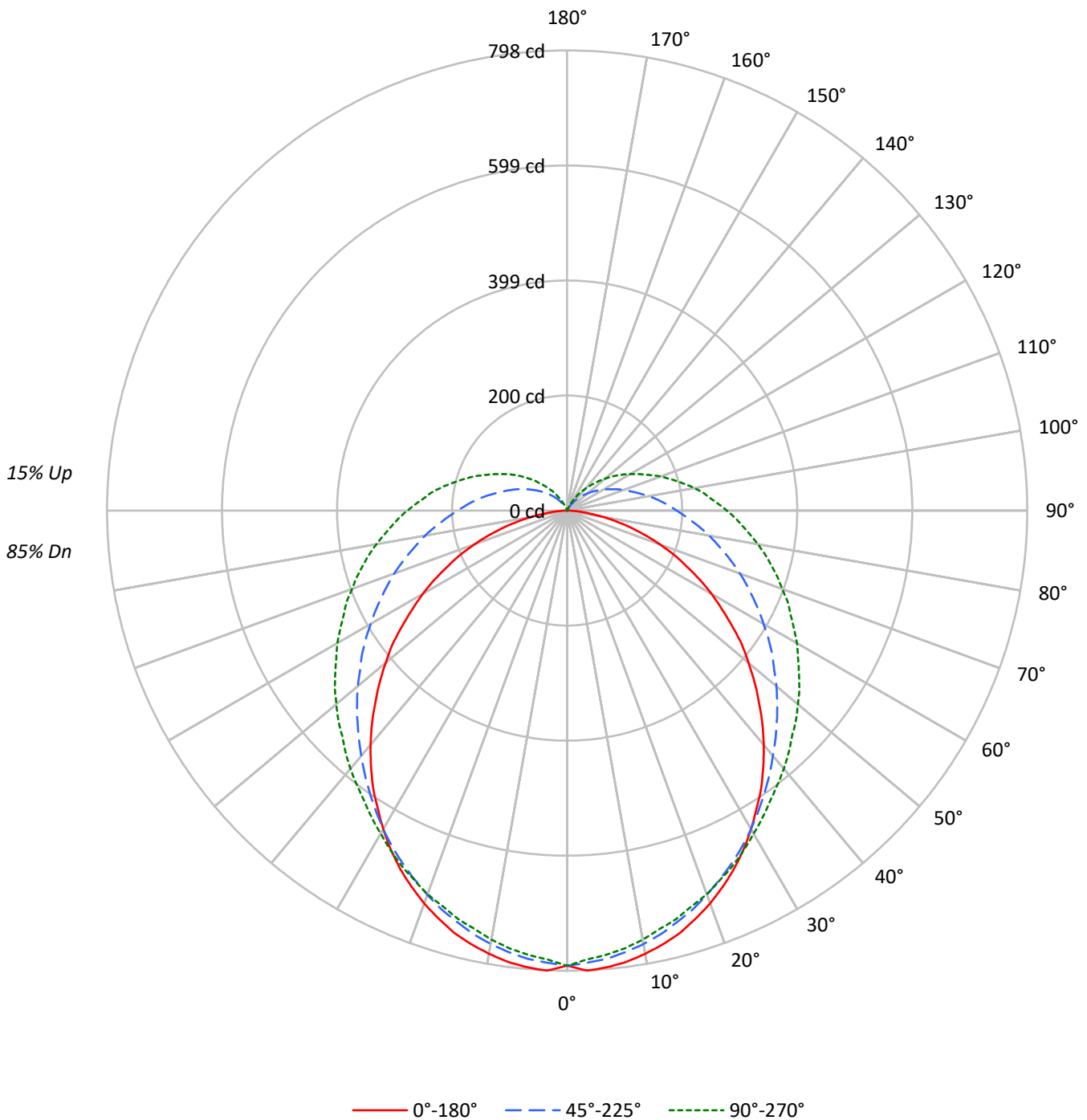
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3037.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.23 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 3.67' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 23.1
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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	103	97	92	87	98	93	88	84	86	82	79	80	76	74	74	71	69	66
2	92	83	75	69	88	80	73	67	74	68	63	68	64	59	63	59	56	53
3	84	72	63	56	80	70	61	55	64	58	52	60	54	49	55	51	47	44
4	76	64	54	47	73	61	53	46	57	50	44	53	47	42	49	44	40	37
5	70	57	47	40	67	55	46	39	51	43	38	47	41	36	44	38	34	32
6	65	51	42	35	62	49	40	34	46	38	33	43	36	31	40	34	30	27
7	60	46	37	31	57	44	36	30	42	34	29	39	32	28	36	31	26	24
8	56	42	33	27	53	41	32	27	38	31	26	36	29	25	33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	25	21	19
10	49	35	27	22	47	34	27	22	32	25	21	30	24	20	29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9268	9268	9268
5°	9334	8810	8615
10°	9230	8359	8060
15°	9100	7909	7558
20°	8911	7487	7119
25°	8695	7084	6717
30°	8427	6700	6333
35°	8154	6328	6000
40°	7832	5983	5746
45°	7472	5682	5498
50°	7114	5409	5318
55°	6717	5171	5147
60°	6303	4936	5016
65°	5782	4744	4889
70°	5213	4594	4812
75°	4430	4455	4766
80°	3344	4383	4751
85°	1906	4352	4772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	2.4
10°-20°	209.6	6.9
20°-30°	313.0	10.3
30°-40°	375.1	12.4
40°-50°	396.8	13.1
50°-60°	383.2	12.6
60°-70°	340.9	11.2
70°-80°	280.3	9.2
80°-90°	214.4	7.1
90°-100°	161.2	5.3
100°-110°	117.6	3.9
110°-120°	80.6	2.7
120°-130°	50.3	1.7
130°-140°	26.8	0.9
140°-150°	10.8	0.4
150°-160°	2.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	596.9	19.7
0°-40°	972.0	32.0
0°-60°	1752.1	57.7
0°-90°	2587.6	85.2
90°-120°	359.4	11.8
90°-150°	447.3	14.7
90°-180°	449.0	14.8
0°-180°	3037.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	789	789	789	789	789	
5°	795	790	780	779	774	75
15°	758	750	738	738	733	213
25°	685	678	675	683	680	315
35°	587	585	597	614	614	366
45°	470	484	514	544	552	363
55°	349	381	434	477	491	313
65°	228	280	355	410	428	227
75°	114	189	283	347	366	121
85°	22	116	218	284	305	26
90°	0	89	190	256	277	1
95°	0	69	166	230	249	0
105°	0	43	122	179	197	0
115°	0	26	87	135	148	0
125°	0	16	59	95	106	0
135°	0	8	36	60	67	0
145°	0	2	16	30	35	0
155°	0	0	2	8	8	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	789.3	789.3	789.3	789.3	789.3
2.5°	798.4	793.8	784.8	783.7	779.1
5°	795.0	790.4	780.3	779.1	773.5
7.5°	789.3	783.7	772.4	771.2	765.6
10°	780.3	774.6	763.3	762.2	755.4
12.5°	770.1	764.4	752.0	750.9	743.0
15°	757.7	749.7	738.4	738.4	732.8
17.5°	741.8	735.0	724.9	726.0	719.2
20°	724.9	718.1	709.0	712.4	707.9
22.5°	705.6	697.7	692.1	696.6	693.2
25°	685.3	678.5	675.1	683.0	679.6
27.5°	662.7	655.9	657.0	664.9	663.8
30°	637.8	633.3	637.8	648.0	646.8
32.5°	611.8	609.5	617.4	631.0	631.0
35°	586.9	584.6	597.1	614.0	614.0
37.5°	558.6	559.8	576.7	595.9	599.3
40°	530.4	534.9	555.2	579.0	584.6
42.5°	501.0	508.9	534.9	560.9	568.8
45°	470.4	484.0	514.5	543.9	551.8
47.5°	441.0	458.0	494.2	528.1	538.3
50°	410.5	430.8	473.8	511.1	522.4
52.5°	382.2	406.0	452.3	494.2	507.7
55°	349.4	381.1	434.2	477.2	490.8
57.5°	317.8	355.1	413.9	460.2	474.9
60°	289.5	329.1	393.5	444.4	460.2
62.5°	259.0	304.2	374.3	427.5	443.3
65°	228.4	280.4	355.1	410.5	427.5
67.5°	200.2	255.6	337.0	394.7	413.9
70°	170.8	232.9	318.9	378.8	396.9
72.5°	142.5	210.3	300.8	361.9	382.2
75°	114.2	188.8	282.7	347.2	366.4
77.5°	87.1	168.5	265.7	331.3	351.7
80°	62.2	149.3	249.9	315.5	335.9
82.5°	39.6	131.2	234.1	299.7	320.0
85°	21.5	116.5	218.2	283.8	305.3
87.5°	7.9	100.6	203.5	270.3	291.8
90°	0.0	89.3	190.0	255.6	277.1
92.5°	0.0	78.0	177.5	242.0	262.4
95°	0.0	69.0	166.2	229.6	248.8
97.5°	0.0	61.1	154.9	217.1	237.5
100°	0.0	54.3	143.6	203.5	223.9
102.5°	0.0	47.5	132.3	191.1	210.3
105°	0.0	43.0	122.1	178.7	196.8
107.5°	0.0	38.4	113.1	168.5	184.3
110°	0.0	33.9	104.0	156.1	173.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.5	96.1	145.9	159.4
115°	0.0	26.0	87.1	134.6	148.1
117.5°	0.0	23.7	80.3	124.4	136.8
120°	0.0	20.4	72.4	114.2	126.7
122.5°	0.0	18.1	65.6	104.0	116.5
125°	0.0	15.8	58.8	95.0	106.3
127.5°	0.0	13.6	53.1	85.9	96.1
130°	0.0	11.3	46.4	76.9	85.9
132.5°	0.0	9.0	40.7	67.8	76.9
135°	0.0	7.9	36.2	59.9	66.7
137.5°	0.0	5.7	30.5	52.0	58.8
140°	0.0	4.5	26.0	45.2	49.8
142.5°	0.0	3.4	20.4	37.3	43.0
145°	0.0	2.3	15.8	30.5	35.1
147.5°	0.0	1.1	11.3	24.9	27.1
150°	0.0	1.1	7.9	19.2	20.4
152.5°	0.0	0.0	5.7	13.6	13.6
155°	0.0	0.0	2.3	7.9	7.9
157.5°	1.1	0.0	1.1	3.4	3.4
160°	1.1	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)