

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-LD5-37SL-LW-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 (P35653)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SRL-LD5-37SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

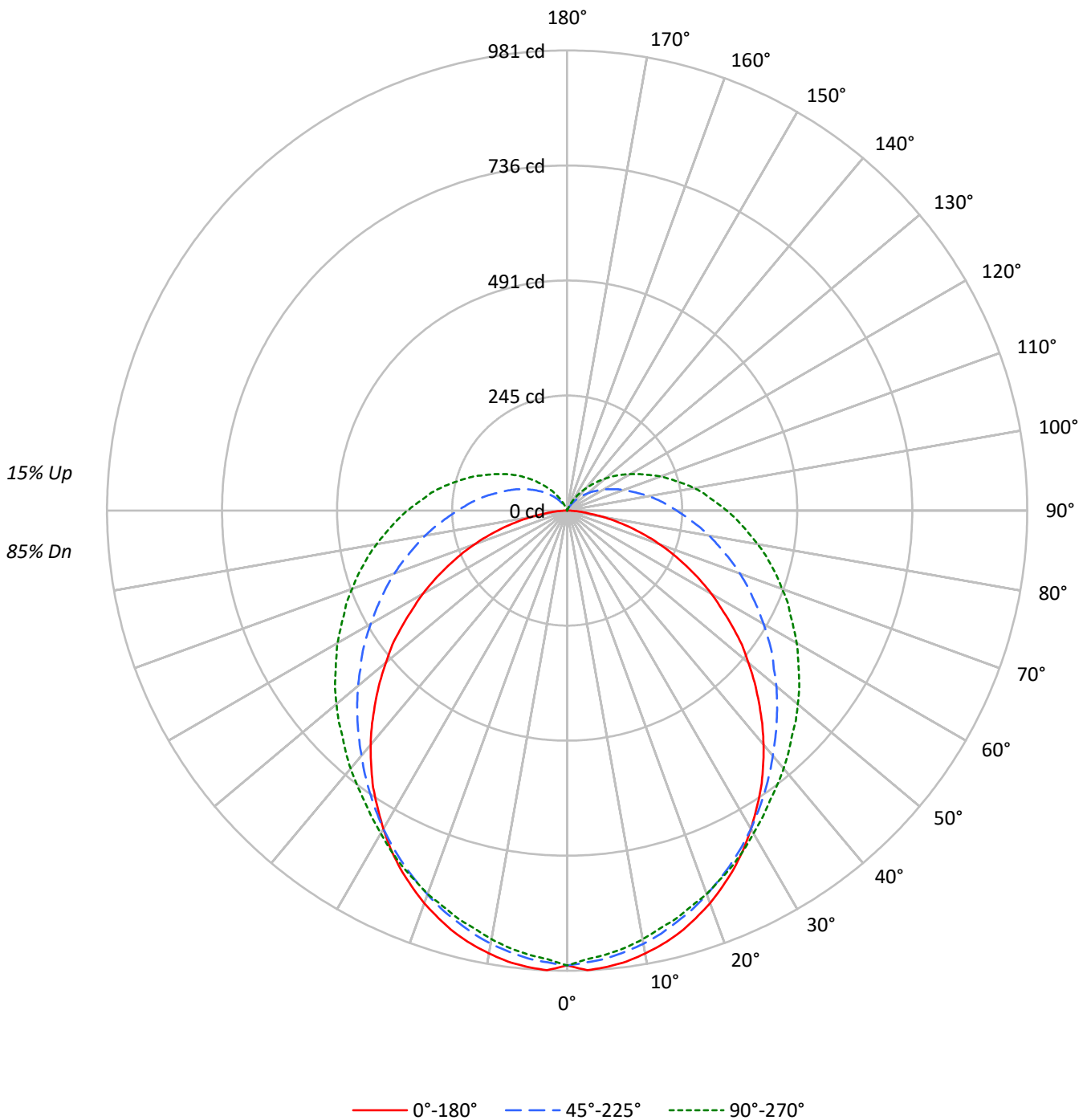
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3731.0 lumens
Efficiency: N/A
Efficacy: 126.0 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): 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

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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	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°	11387	11387	11387
5°	11466	10823	10583
10°	11339	10269	9901
15°	11179	9717	9285
20°	10947	9198	8746
25°	10682	8703	8252
30°	10352	8231	7780
35°	10017	7774	7373
40°	9621	7350	7060
45°	9180	6981	6754
50°	8739	6646	6533
55°	8253	6353	6323
60°	7742	6065	6162
65°	7104	5827	6005
70°	6403	5644	5912
75°	5442	5472	5854
80°	4107	5384	5836
85°	2341	5347	5863



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	2.4
10°-20°	257.5	6.9
20°-30°	384.6	10.3
30°-40°	460.9	12.4
40°-50°	487.5	13.1
50°-60°	470.8	12.6
60°-70°	418.8	11.2
70°-80°	344.3	9.2
80°-90°	263.3	7.1
90°-100°	198.0	5.3
100°-110°	144.5	3.9
110°-120°	99.0	2.7
120°-130°	61.8	1.7
130°-140°	33.0	0.9
140°-150°	13.2	0.4
150°-160°	2.5	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	733.3	19.7
0°-40°	1194.1	32.0
0°-60°	2152.5	57.7
0°-90°	3179.0	85.2
90°-120°	441.6	11.8
90°-150°	549.5	14.7
90°-180°	552.0	14.8
0°-180°	3731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	970	970	970	970	970	
5°	977	971	959	957	950	93
15°	931	921	907	907	900	262
25°	842	834	829	839	835	387
35°	721	718	734	754	754	450
45°	578	595	632	668	678	446
55°	429	468	534	586	603	384
65°	281	344	436	504	525	279
75°	140	232	347	426	450	149
85°	26	143	268	349	375	32
90°	0	110	233	314	340	1
95°	0	85	204	282	306	0
105°	0	53	150	220	242	0
115°	0	32	107	165	182	0
125°	0	19	72	117	131	0
135°	0	10	44	74	82	0
145°	0	3	19	38	43	0
155°	0	0	3	10	10	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	969.7	969.7	969.7	969.7	969.7
2.5°	980.8	975.2	964.1	962.7	957.2
5°	976.6	971.1	958.6	957.2	950.2
7.5°	969.7	962.7	948.8	947.5	940.5
10°	958.6	951.6	937.7	936.3	928.0
12.5°	946.1	939.1	923.8	922.5	912.7
15°	930.8	921.1	907.2	907.2	900.2
17.5°	911.3	903.0	890.5	891.9	883.6
20°	890.5	882.2	871.0	875.2	869.7
22.5°	866.9	857.2	850.2	855.8	851.6
25°	841.9	833.5	829.4	839.1	834.9
27.5°	814.1	805.8	807.1	816.9	815.5
30°	783.5	778.0	783.5	796.0	794.6
32.5°	751.6	748.8	758.5	775.2	775.2
35°	721.0	718.2	733.5	754.4	754.4
37.5°	686.3	687.7	708.5	732.1	736.3
40°	651.6	657.1	682.1	711.3	718.2
42.5°	615.4	625.2	657.1	689.1	698.8
45°	577.9	594.6	632.1	668.2	677.9
47.5°	541.8	562.6	607.1	648.8	661.3
50°	504.3	529.3	582.1	627.9	641.8
52.5°	469.6	498.7	555.7	607.1	623.8
55°	429.3	468.2	533.5	586.3	602.9
57.5°	390.4	436.2	508.5	565.4	583.5
60°	355.6	404.3	483.5	546.0	565.4
62.5°	318.1	373.7	459.8	525.1	544.6
65°	280.6	344.5	436.2	504.3	525.1
67.5°	245.9	314.0	414.0	484.8	508.5
70°	209.8	286.2	391.8	465.4	487.6
72.5°	175.0	258.4	369.5	444.6	469.6
75°	140.3	232.0	347.3	426.5	450.1
77.5°	107.0	207.0	326.5	407.0	432.1
80°	76.4	183.4	307.0	387.6	412.6
82.5°	48.6	161.2	287.6	368.1	393.2
85°	26.4	143.1	268.1	348.7	375.1
87.5°	9.7	123.6	250.1	332.0	358.4
90°	0.0	109.7	233.4	314.0	340.4
92.5°	0.0	95.9	218.1	297.3	322.3
95°	0.0	84.7	204.2	282.0	305.6
97.5°	0.0	75.0	190.3	266.7	291.7
100°	0.0	66.7	176.4	250.1	275.1
102.5°	0.0	58.3	162.5	234.8	258.4
105°	0.0	52.8	150.0	219.5	241.7
107.5°	0.0	47.2	138.9	207.0	226.4
110°	0.0	41.7	127.8	191.7	212.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	37.5	118.1	179.2	195.9
115°	0.0	32.0	107.0	165.3	182.0
117.5°	0.0	29.2	98.6	152.8	168.1
120°	0.0	25.0	88.9	140.3	155.6
122.5°	0.0	22.2	80.6	127.8	143.1
125°	0.0	19.4	72.2	116.7	130.6
127.5°	0.0	16.7	65.3	105.6	118.1
130°	0.0	13.9	57.0	94.5	105.6
132.5°	0.0	11.1	50.0	83.4	94.5
135°	0.0	9.7	44.5	73.6	82.0
137.5°	0.0	6.9	37.5	63.9	72.2
140°	0.0	5.6	32.0	55.6	61.1
142.5°	0.0	4.2	25.0	45.8	52.8
145°	0.0	2.8	19.4	37.5	43.1
147.5°	0.0	1.4	13.9	30.6	33.3
150°	0.0	1.4	9.7	23.6	25.0
152.5°	0.0	0.0	6.9	16.7	16.7
155°	0.0	0.0	2.8	9.7	9.7
157.5°	1.4	0.0	1.4	4.2	4.2
160°	1.4	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)