

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-L840-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-L840-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

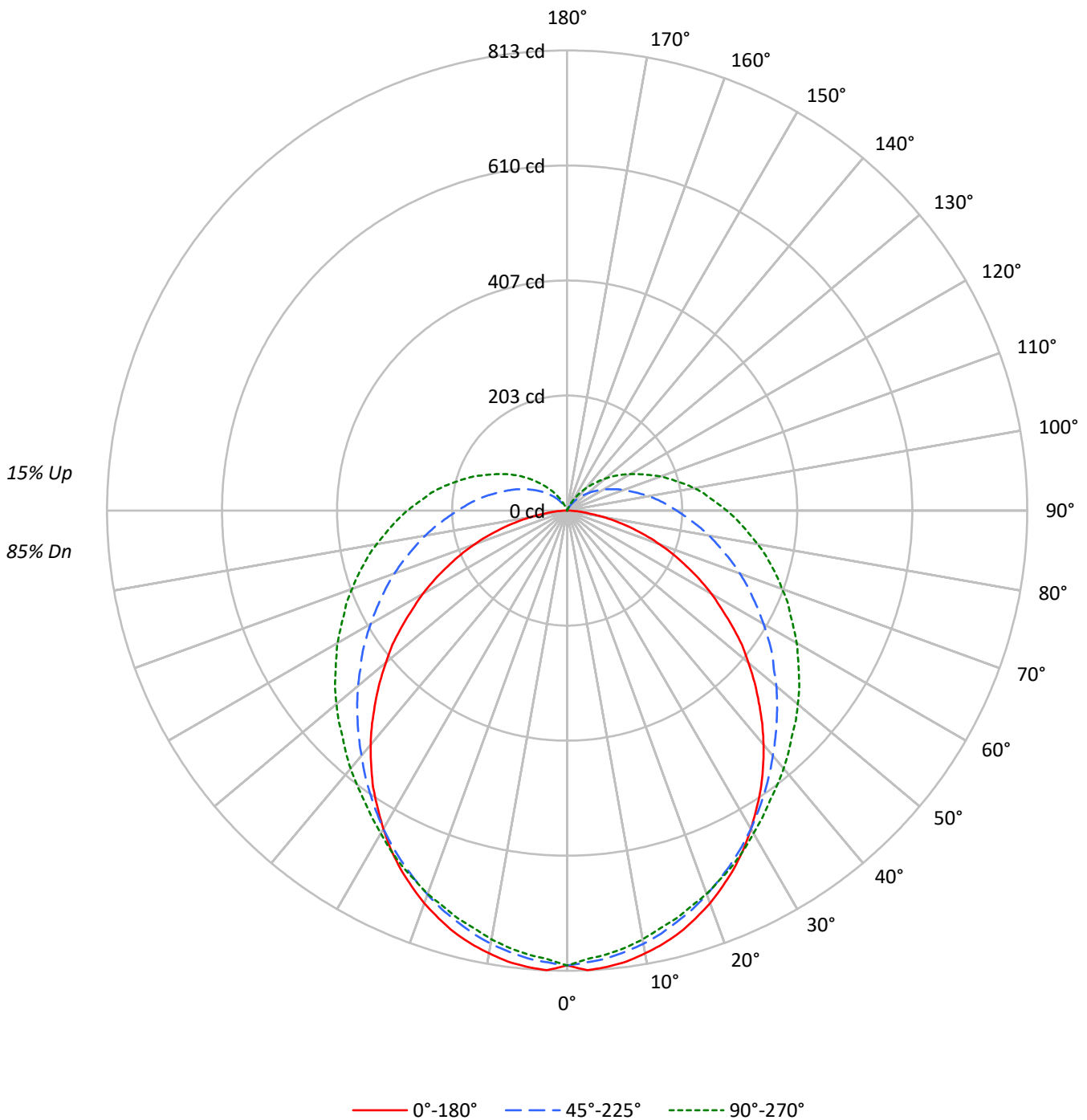
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3092.0 lumens
Efficiency: N/A
Efficacy: 133.9 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 (Ain): 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	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°	9436	9436	9436
5°	9503	8969	8771
10°	9397	8510	8206
15°	9265	8053	7694
20°	9072	7624	7247
25°	8852	7212	6839
30°	8579	6821	6447
35°	8301	6443	6110
40°	7973	6091	5851
45°	7607	5785	5598
50°	7242	5507	5415
55°	6840	5265	5240
60°	6416	5026	5107
65°	5889	4829	4977
70°	5305	4677	4899
75°	4511	4535	4852
80°	3403	4462	4836
85°	1942	4431	4859



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	2.4
10°-20°	213.4	6.9
20°-30°	318.7	10.3
30°-40°	381.9	12.4
40°-50°	404.0	13.1
50°-60°	390.2	12.6
60°-70°	347.1	11.2
70°-80°	285.3	9.2
80°-90°	218.2	7.1
90°-100°	164.1	5.3
100°-110°	119.8	3.9
110°-120°	82.0	2.7
120°-130°	51.2	1.7
130°-140°	27.3	0.9
140°-150°	11.0	0.4
150°-160°	2.1	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	607.7	19.7
0°-40°	989.6	32.0
0°-60°	1783.8	57.7
0°-90°	2634.5	85.2
90°-120°	365.9	11.8
90°-150°	455.4	14.7
90°-180°	458.0	14.8
0°-180°	3092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	804	804	804	804	804	
5°	809	805	794	793	788	77
15°	771	763	752	752	746	217
25°	698	691	687	695	692	321
35°	598	595	608	625	625	373
45°	479	493	524	554	562	370
55°	356	388	442	486	500	318
65°	233	286	362	418	435	231
75°	116	192	288	353	373	124
85°	22	119	222	289	311	27
90°	0	91	193	260	282	1
95°	0	70	169	234	253	0
105°	0	44	124	182	200	0
115°	0	26	89	137	151	0
125°	0	16	60	97	108	0
135°	0	8	37	61	68	0
145°	0	2	16	31	36	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



TEST NUMBER: P#

CATALOG NUMBER: 4SRL-LD5-30SL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	803.6	803.6	803.6	803.6	803.6
2.5°	812.8	808.2	799.0	797.9	793.2
5°	809.4	804.8	794.4	793.2	787.5
7.5°	803.6	797.9	786.3	785.2	779.4
10°	794.4	788.6	777.1	776.0	769.1
12.5°	784.0	778.3	765.6	764.5	756.4
15°	771.4	763.3	751.8	751.8	746.0
17.5°	755.3	748.3	738.0	739.1	732.2
20°	738.0	731.1	721.9	725.3	720.7
22.5°	718.4	710.4	704.6	709.2	705.7
25°	697.7	690.8	687.3	695.4	691.9
27.5°	674.7	667.8	668.9	677.0	675.8
30°	649.3	644.7	649.3	659.7	658.5
32.5°	622.9	620.6	628.6	642.4	642.4
35°	597.5	595.2	607.9	625.2	625.2
37.5°	568.7	569.9	587.2	606.7	610.2
40°	540.0	544.6	565.3	589.5	595.2
42.5°	510.0	518.1	544.6	571.0	579.1
45°	478.9	492.8	523.8	553.8	561.8
47.5°	449.0	466.3	503.1	537.7	548.0
50°	417.9	438.6	482.4	520.4	531.9
52.5°	389.1	413.3	460.5	503.1	516.9
55°	355.8	388.0	442.1	485.8	499.7
57.5°	323.5	361.5	421.4	468.6	483.5
60°	294.7	335.0	400.7	452.5	468.6
62.5°	263.6	309.7	381.1	435.2	451.3
65°	232.6	285.5	361.5	417.9	435.2
67.5°	203.8	260.2	343.1	401.8	421.4
70°	173.8	237.2	324.7	385.7	404.1
72.5°	145.1	214.1	306.2	368.4	389.1
75°	116.3	192.3	287.8	353.4	373.0
77.5°	88.7	171.5	270.6	337.3	358.1
80°	63.3	152.0	254.4	321.2	341.9
82.5°	40.3	133.6	238.3	305.1	325.8
85°	21.9	118.6	222.2	289.0	310.9
87.5°	8.1	102.5	207.2	275.2	297.0
90°	0.0	91.0	193.4	260.2	282.1
92.5°	0.0	79.4	180.8	246.4	267.1
95°	0.0	70.2	169.2	233.7	253.3
97.5°	0.0	62.2	157.7	221.1	241.8
100°	0.0	55.3	146.2	207.2	228.0
102.5°	0.0	48.4	134.7	194.6	214.1
105°	0.0	43.7	124.3	181.9	200.3
107.5°	0.0	39.1	115.1	171.5	187.7
110°	0.0	34.5	105.9	158.9	176.1



TEST NUMBER: P#

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.1	97.9	148.5	162.3
115°	0.0	26.5	88.7	137.0	150.8
117.5°	0.0	24.2	81.7	126.6	139.3
120°	0.0	20.7	73.7	116.3	128.9
122.5°	0.0	18.4	66.8	105.9	118.6
125°	0.0	16.1	59.9	96.7	108.2
127.5°	0.0	13.8	54.1	87.5	97.9
130°	0.0	11.5	47.2	78.3	87.5
132.5°	0.0	9.2	41.4	69.1	78.3
135°	0.0	8.1	36.8	61.0	67.9
137.5°	0.0	5.8	31.1	53.0	59.9
140°	0.0	4.6	26.5	46.1	50.7
142.5°	0.0	3.5	20.7	38.0	43.7
145°	0.0	2.3	16.1	31.1	35.7
147.5°	0.0	1.2	11.5	25.3	27.6
150°	0.0	1.2	8.1	19.6	20.7
152.5°	0.0	0.0	5.8	13.8	13.8
155°	0.0	0.0	2.3	8.1	8.1
157.5°	1.2	0.0	1.2	3.5	3.5
160°	1.2	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)