

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-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-LD5-30SL-LW-UNV-L830-CD1-U
Description: SRL LINEAR LED

Light Source: -
Ballast/Driver: -

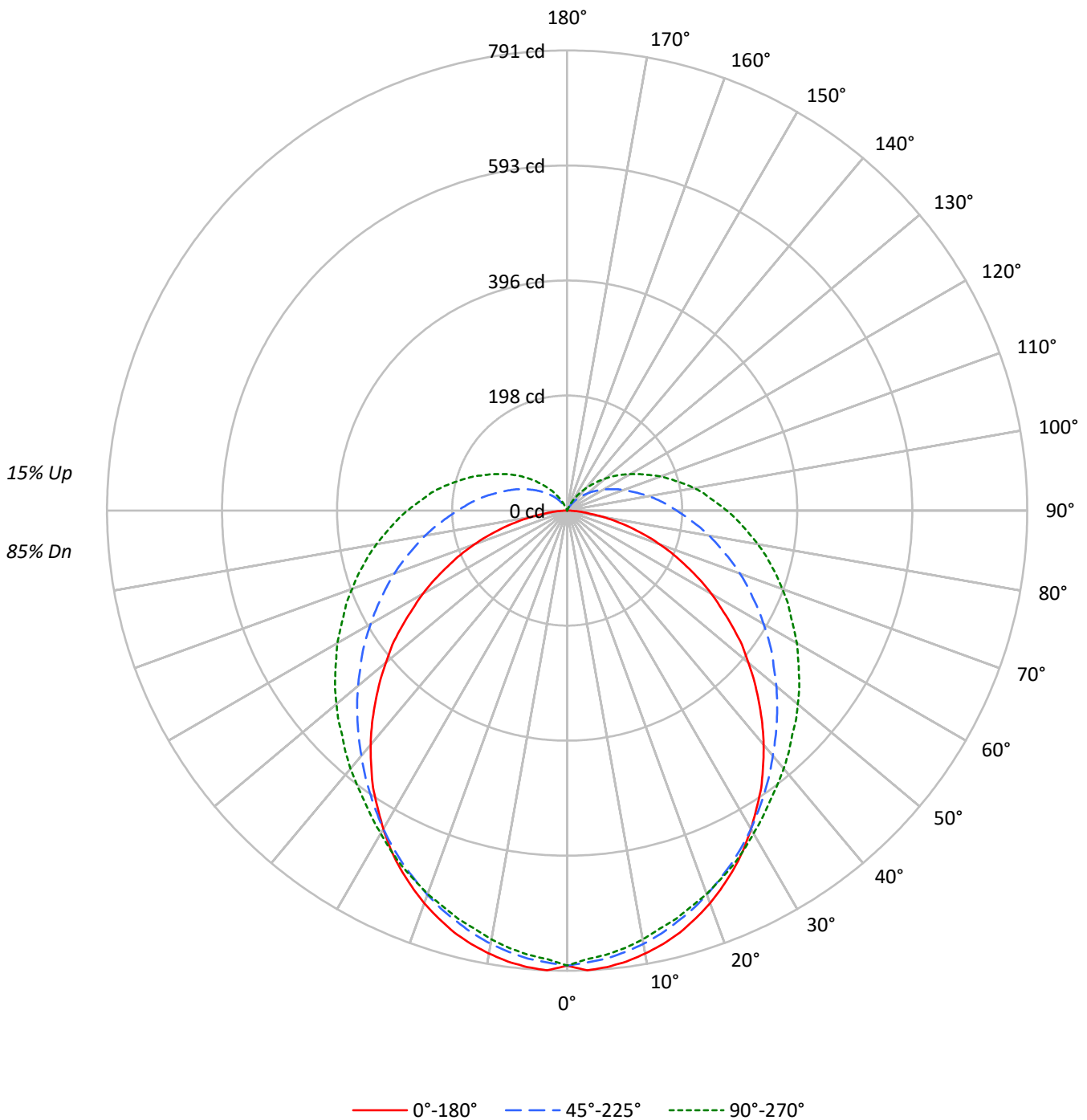
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.0 lumens
Efficiency: N/A
Efficacy: 130.3 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			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°	9183	9183	9183
5°	9247	8728	8536
10°	9145	8282	7985
15°	9016	7836	7488
20°	8829	7419	7053
25°	8615	7018	6656
30°	8349	6638	6275
35°	8079	6270	5946
40°	7759	5928	5693
45°	7404	5631	5448
50°	7048	5359	5269
55°	6655	5123	5100
60°	6244	4891	4970
65°	5729	4700	4843
70°	5164	4552	4769
75°	4391	4414	4722
80°	3312	4342	4707
85°	1889	4312	4728



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	2.4
10°-20°	207.7	6.9
20°-30°	310.1	10.3
30°-40°	371.7	12.4
40°-50°	393.2	13.1
50°-60°	379.7	12.6
60°-70°	337.8	11.2
70°-80°	277.7	9.2
80°-90°	212.4	7.1
90°-100°	159.7	5.3
100°-110°	116.6	3.9
110°-120°	79.8	2.7
120°-130°	49.8	1.7
130°-140°	26.6	0.9
140°-150°	10.7	0.4
150°-160°	2.0	0.1
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	591.4	19.7
0°-40°	963.1	32.0
0°-60°	1735.9	57.7
0°-90°	2563.8	85.2
90°-120°	356.1	11.8
90°-150°	443.2	14.7
90°-180°	445.0	14.8
0°-180°	3009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	788	783	773	772	766	75
15°	751	743	732	732	726	211
25°	679	672	669	677	673	312
35°	582	579	592	608	608	363
45°	466	480	510	539	547	360
55°	346	378	430	473	486	310
65°	226	278	352	407	424	225
75°	113	187	280	344	363	120
85°	21	115	216	281	302	26
90°	0	88	188	253	274	1
95°	0	68	165	227	246	0
105°	0	43	121	177	195	0
115°	0	26	86	133	147	0
125°	0	16	58	94	105	0
135°	0	8	36	59	66	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°	782.0	782.0	782.0	782.0	782.0
2.5°	791.0	786.5	777.6	776.4	772.0
5°	787.6	783.2	773.1	772.0	766.4
7.5°	782.0	776.4	765.2	764.1	758.5
10°	773.1	767.5	756.3	755.1	748.4
12.5°	763.0	757.4	745.1	743.9	736.1
15°	750.7	742.8	731.6	731.6	726.0
17.5°	735.0	728.3	718.2	719.3	712.6
20°	718.2	711.5	702.5	705.9	701.4
22.5°	699.1	691.3	685.7	690.2	686.8
25°	679.0	672.2	668.9	676.7	673.4
27.5°	656.6	649.8	651.0	658.8	657.7
30°	631.9	627.4	631.9	642.0	640.9
32.5°	606.1	603.9	611.7	625.2	625.2
35°	581.5	579.2	591.6	608.4	608.4
37.5°	553.5	554.6	571.4	590.4	593.8
40°	525.5	529.9	550.1	573.6	579.2
42.5°	496.3	504.2	529.9	555.7	563.6
45°	466.1	479.5	509.8	538.9	546.8
47.5°	437.0	453.8	489.6	523.2	533.3
50°	406.7	426.9	469.4	506.4	517.6
52.5°	378.7	402.2	448.2	489.6	503.1
55°	346.2	377.6	430.2	472.8	486.3
57.5°	314.8	351.8	410.1	456.0	470.6
60°	286.8	326.0	389.9	440.3	456.0
62.5°	256.6	301.4	370.9	423.5	439.2
65°	226.3	277.9	351.8	406.7	423.5
67.5°	198.3	253.2	333.9	391.0	410.1
70°	169.2	230.8	316.0	375.3	393.3
72.5°	141.2	208.4	298.0	358.5	378.7
75°	113.2	187.1	280.1	344.0	363.0
77.5°	86.3	166.9	263.3	328.3	348.4
80°	61.6	147.9	247.6	312.6	332.8
82.5°	39.2	130.0	231.9	296.9	317.1
85°	21.3	115.4	216.2	281.2	302.5
87.5°	7.8	99.7	201.7	267.8	289.1
90°	0.0	88.5	188.2	253.2	274.5
92.5°	0.0	77.3	175.9	239.8	259.9
95°	0.0	68.3	164.7	227.4	246.5
97.5°	0.0	60.5	153.5	215.1	235.3
100°	0.0	53.8	142.3	201.7	221.8
102.5°	0.0	47.1	131.1	189.3	208.4
105°	0.0	42.6	121.0	177.0	194.9
107.5°	0.0	38.1	112.0	166.9	182.6
110°	0.0	33.6	103.1	154.6	171.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	30.3	95.2	144.5	158.0
115°	0.0	25.8	86.3	133.3	146.8
117.5°	0.0	23.5	79.5	123.2	135.6
120°	0.0	20.2	71.7	113.2	125.5
122.5°	0.0	17.9	65.0	103.1	115.4
125°	0.0	15.7	58.3	94.1	105.3
127.5°	0.0	13.4	52.7	85.2	95.2
130°	0.0	11.2	45.9	76.2	85.2
132.5°	0.0	9.0	40.3	67.2	76.2
135°	0.0	7.8	35.9	59.4	66.1
137.5°	0.0	5.6	30.3	51.5	58.3
140°	0.0	4.5	25.8	44.8	49.3
142.5°	0.0	3.4	20.2	37.0	42.6
145°	0.0	2.2	15.7	30.3	34.7
147.5°	0.0	1.1	11.2	24.6	26.9
150°	0.0	1.1	7.8	19.0	20.2
152.5°	0.0	0.0	5.6	13.4	13.4
155°	0.0	0.0	2.2	7.8	7.8
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)