

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: **8SNLED-LD5-112SL-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-112SL-SLC-UNV-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

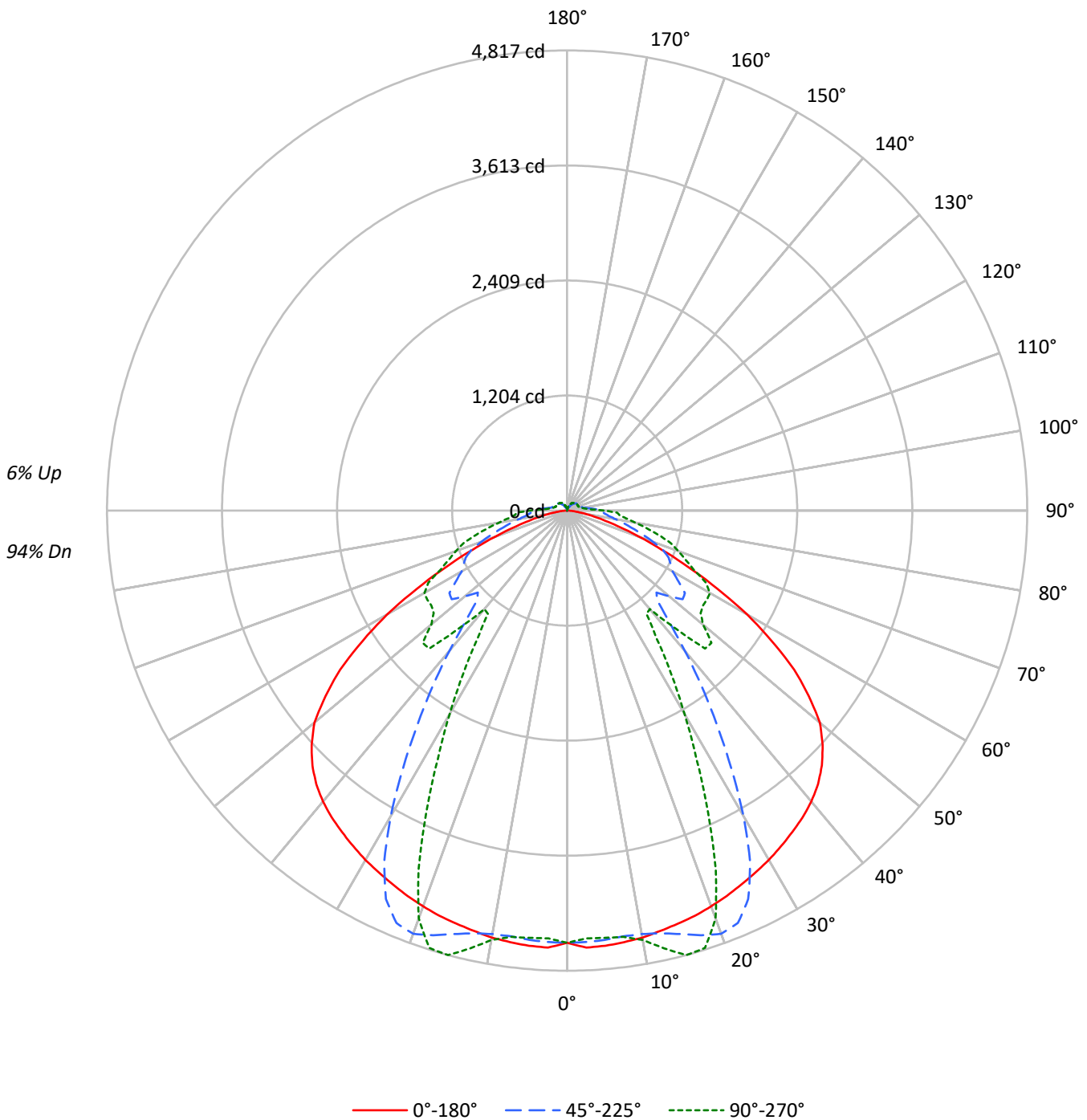
Lumens per Lamp: N/A  
Luminaire Lumens: 11618.0 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 92  
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	18274	18274	18274
5°	18522	17863	17627
10°	18571	17608	17566
15°	18648	17871	18309
20°	18849	18420	17185
25°	19114	17718	13233
30°	19524	14854	9412
35°	20045	11261	6373
40°	20701	8194	5397
45°	21222	5951	8485
50°	21312	6598	8052
55°	19990	7604	7951
60°	17108	6969	8451
65°	12946	7042	7731
70°	9163	6425	7196
75°	6083	5399	6457
80°	3980	4644	5375
85°	2285	4440	4825



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.3	3.7
10°-20°	1299.4	11.2
20°-30°	1887.6	16.2
30°-40°	1803.5	15.5
40°-50°	1649.7	14.2
50°-60°	1523.3	13.1
60°-70°	1209.9	10.4
70°-80°	746.8	6.4
80°-90°	406.7	3.5
90°-100°	205.5	1.8
100°-110°	129.1	1.1
110°-120°	109.4	0.9
120°-130°	89.3	0.8
130°-140°	64.1	0.6
140°-150°	39.5	0.3
150°-160°	18.8	0.2
160°-170°	4.9	0.0
170°-180°	0.0	0.0
0°-30°	3617.3	31.1
0°-40°	5420.9	46.7
0°-60°	8593.9	74.0
0°-90°	10957.3	94.3
90°-120°	444.1	3.8
90°-150°	637.0	5.5
90°-180°	661.0	5.7
0°-180°	11618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4523	4523	4523	4523	4523	
5°	4573	4503	4511	4487	4489	435
15°	4477	4417	4589	4759	4817	1267
25°	4319	4403	4487	3798	3488	1996
35°	4108	4042	2725	1876	1632	2576
45°	3772	2631	1329	1696	2042	2899
55°	2901	1349	1506	1620	1734	2555
65°	1400	875	1173	1426	1460	1415
75°	412	466	703	931	993	468
85°	58	198	398	543	551	74
90°	2	148	356	422	390	3
95°	0	138	246	218	206	0
105°	0	124	152	138	136	0
115°	0	102	146	130	124	1
125°	2	82	130	126	120	2
135°	2	58	104	114	110	2
145°	2	36	72	92	98	1
155°	4	22	44	58	70	1
165°	4	12	22	28	38	1
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°	4522.8	4522.8	4522.8	4522.8	4522.8
2.5°	4578.8	4512.8	4520.8	4506.8	4482.7
5°	4572.8	4502.8	4510.8	4486.7	4488.7
7.5°	4556.8	4484.7	4494.7	4490.7	4500.8
10°	4538.8	4462.7	4500.8	4534.8	4564.8
12.5°	4506.8	4438.7	4530.8	4630.9	4693.0
15°	4476.7	4416.7	4588.8	4759.0	4817.1
17.5°	4446.7	4408.7	4660.9	4809.1	4801.1
20°	4408.7	4404.7	4715.0	4664.9	4542.8
22.5°	4366.6	4406.7	4672.9	4306.5	4066.3
25°	4318.6	4402.6	4486.7	3798.0	3487.7
27.5°	4270.5	4384.6	4148.4	3241.4	2935.1
30°	4222.5	4336.6	3691.9	2732.9	2454.6
32.5°	4166.4	4232.5	3195.4	2282.4	2026.1
35°	4108.3	4042.3	2724.9	1876.0	1631.7
37.5°	4048.3	3768.0	2302.4	1519.6	1363.4
40°	3976.2	3423.6	1914.0	1303.4	1345.4
42.5°	3886.1	3035.2	1571.7	1367.4	1659.8
45°	3772.0	2630.8	1329.4	1695.8	2042.2
47.5°	3627.8	2242.4	1269.3	1942.1	2050.2
50°	3453.6	1886.0	1395.5	1862.0	1854.0
52.5°	3189.4	1589.7	1523.6	1697.8	1761.9
55°	2901.1	1349.4	1505.6	1619.7	1733.8
57.5°	2536.7	1187.3	1381.5	1603.7	1735.8
60°	2174.3	1079.1	1275.3	1601.7	1725.8
62.5°	1773.9	981.0	1221.3	1563.7	1637.7
65°	1399.5	874.9	1173.2	1425.5	1459.5
67.5°	1073.1	766.8	1089.2	1271.3	1339.4
70°	808.9	660.7	957.0	1153.2	1237.3
72.5°	582.6	560.6	820.9	1049.1	1137.2
75°	412.4	466.5	702.7	931.0	993.0
77.5°	284.3	380.4	602.6	800.8	850.9
80°	186.2	304.3	512.5	688.7	722.8
82.5°	112.1	244.3	444.5	602.6	620.7
85°	58.1	198.2	398.4	542.6	550.6
87.5°	18.0	166.2	372.4	514.5	524.6
90°	2.0	148.2	356.4	422.4	390.4
92.5°	0.0	140.1	308.3	288.3	258.3
95°	0.0	138.1	246.3	218.2	206.2
97.5°	0.0	134.1	202.2	182.2	176.2
100°	0.0	130.1	174.2	160.2	158.2
102.5°	0.0	128.1	158.2	146.2	144.2
105°	0.0	124.1	152.2	138.1	136.1
107.5°	0.0	118.1	148.2	134.1	130.1
110°	0.0	112.1	148.2	132.1	126.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	106.1	148.2	130.1	124.1
115°	0.0	102.1	146.2	130.1	124.1
117.5°	2.0	98.1	144.2	130.1	124.1
120°	0.0	94.1	140.1	130.1	122.1
122.5°	2.0	88.1	136.1	128.1	122.1
125°	2.0	82.1	130.1	126.1	120.1
127.5°	2.0	76.1	124.1	122.1	116.1
130°	2.0	70.1	118.1	120.1	114.1
132.5°	2.0	64.1	110.1	116.1	112.1
135°	2.0	58.1	104.1	114.1	110.1
137.5°	2.0	52.1	96.1	108.1	108.1
140°	2.0	46.0	88.1	104.1	106.1
142.5°	2.0	42.0	80.1	100.1	102.1
145°	2.0	36.0	72.1	92.1	98.1
147.5°	2.0	32.0	64.1	84.1	92.1
150°	2.0	28.0	56.1	76.1	84.1
152.5°	2.0	24.0	50.1	66.1	78.1
155°	4.0	22.0	44.0	58.1	70.1
157.5°	4.0	18.0	36.0	50.1	60.1
160°	4.0	16.0	32.0	42.0	54.1
162.5°	4.0	14.0	26.0	36.0	46.0
165°	4.0	12.0	22.0	28.0	38.0
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)