

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-L930-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-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

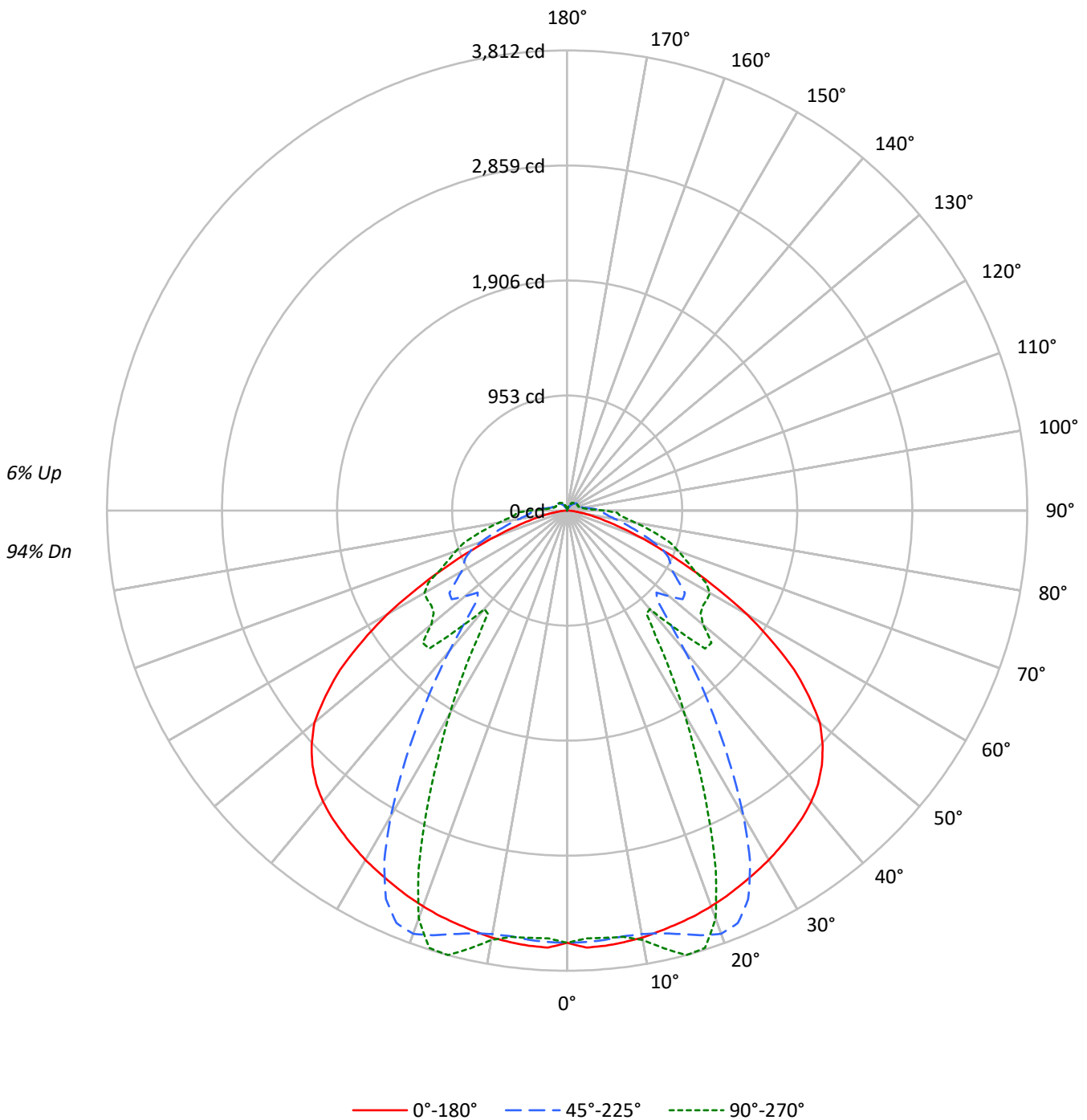
Lumens per Lamp: N/A  
Luminaire Lumens: 9194.0 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 92  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	63	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°	14461	14461	14461
5°	14657	14136	13949
10°	14696	13934	13901
15°	14757	14143	14488
20°	14916	14577	13600
25°	15126	14022	10472
30°	15451	11755	7449
35°	15863	8911	5044
40°	16382	6485	4271
45°	16794	4709	6714
50°	16866	5221	6372
55°	15820	6017	6292
60°	13538	5515	6688
65°	10245	5573	6118
70°	7251	5084	5695
75°	4815	4273	5110
80°	3148	3675	4254
85°	1805	3514	3818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.5	3.7
10°-20°	1028.3	11.2
20°-30°	1493.8	16.2
30°-40°	1427.2	15.5
40°-50°	1305.5	14.2
50°-60°	1205.5	13.1
60°-70°	957.5	10.4
70°-80°	591.0	6.4
80°-90°	321.8	3.5
90°-100°	162.7	1.8
100°-110°	102.2	1.1
110°-120°	86.6	0.9
120°-130°	70.7	0.8
130°-140°	50.7	0.6
140°-150°	31.3	0.3
150°-160°	14.9	0.2
160°-170°	3.9	0.0
170°-180°	0.0	0.0
0°-30°	2862.6	31.1
0°-40°	4289.8	46.7
0°-60°	6800.8	74.0
0°-90°	8671.1	94.3
90°-120°	351.4	3.8
90°-150°	504.2	5.5
90°-180°	523.0	5.7
0°-180°	9194.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3579	3579	3579	3579	3579	
5°	3619	3563	3570	3551	3552	344
15°	3543	3495	3631	3766	3812	1003
25°	3418	3484	3551	3006	2760	1580
35°	3251	3199	2156	1485	1291	2039
45°	2985	2082	1052	1342	1616	2294
55°	2296	1068	1192	1282	1372	2022
65°	1108	692	928	1128	1155	1120
75°	326	369	556	737	786	370
85°	46	157	315	429	436	59
90°	2	117	282	334	309	2
95°	0	109	195	173	163	0
105°	0	98	120	109	108	0
115°	0	81	116	103	98	1
125°	2	65	103	100	95	1
135°	2	46	82	90	87	1
145°	2	28	57	73	78	1
155°	3	17	35	46	56	1
165°	3	10	17	22	30	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°	3579.1	3579.1	3579.1	3579.1	3579.1
2.5°	3623.5	3571.2	3577.6	3566.5	3547.4
5°	3618.7	3563.3	3569.6	3550.6	3552.2
7.5°	3606.1	3549.0	3557.0	3553.8	3561.7
10°	3591.8	3531.6	3561.7	3588.6	3612.4
12.5°	3566.5	3512.6	3585.5	3664.7	3713.8
15°	3542.7	3495.2	3631.4	3766.1	3812.0
17.5°	3518.9	3488.8	3688.5	3805.7	3799.4
20°	3488.8	3485.7	3731.2	3691.6	3595.0
22.5°	3455.6	3487.2	3698.0	3408.0	3217.9
25°	3417.5	3484.1	3550.6	3005.6	2760.0
27.5°	3379.5	3469.8	3282.9	2565.1	2322.7
30°	3341.5	3431.8	2921.6	2162.7	1942.5
32.5°	3297.1	3349.4	2528.7	1806.2	1603.4
35°	3251.2	3198.9	2156.4	1484.6	1291.3
37.5°	3203.6	2981.8	1822.0	1202.6	1079.0
40°	3146.6	2709.3	1514.7	1031.4	1064.7
42.5°	3075.3	2401.9	1243.7	1082.1	1313.5
45°	2985.0	2081.9	1052.0	1342.0	1616.1
47.5°	2870.9	1774.5	1004.5	1536.9	1622.4
50°	2733.1	1492.5	1104.3	1473.5	1467.1
52.5°	2523.9	1258.0	1205.7	1343.6	1394.3
55°	2295.8	1067.9	1191.5	1281.8	1372.1
57.5°	2007.4	939.5	1093.2	1269.1	1373.7
60°	1720.6	854.0	1009.3	1267.5	1365.7
62.5°	1403.8	776.4	966.5	1237.4	1296.0
65°	1107.5	692.4	928.5	1128.1	1155.0
67.5°	849.2	606.8	861.9	1006.1	1060.0
70°	640.1	522.8	757.3	912.6	979.2
72.5°	461.1	443.6	649.6	830.2	899.9
75°	326.4	369.2	556.1	736.7	785.9
77.5°	225.0	301.0	476.9	633.8	673.4
80°	147.3	240.8	405.6	545.0	572.0
82.5°	88.7	193.3	351.7	476.9	491.2
85°	45.9	156.9	315.3	429.4	435.7
87.5°	14.3	131.5	294.7	407.2	415.1
90°	1.6	117.2	282.0	334.3	309.0
92.5°	0.0	110.9	244.0	228.2	204.4
95°	0.0	109.3	194.9	172.7	163.2
97.5°	0.0	106.2	160.0	144.2	139.4
100°	0.0	103.0	137.8	126.8	125.2
102.5°	0.0	101.4	125.2	115.7	114.1
105°	0.0	98.2	120.4	109.3	107.7
107.5°	0.0	93.5	117.2	106.2	103.0
110°	0.0	88.7	117.2	104.6	99.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	84.0	117.2	103.0	98.2
115°	0.0	80.8	115.7	103.0	98.2
117.5°	1.6	77.6	114.1	103.0	98.2
120°	0.0	74.5	110.9	103.0	96.6
122.5°	1.6	69.7	107.7	101.4	96.6
125°	1.6	65.0	103.0	99.8	95.1
127.5°	1.6	60.2	98.2	96.6	91.9
130°	1.6	55.5	93.5	95.1	90.3
132.5°	1.6	50.7	87.1	91.9	88.7
135°	1.6	45.9	82.4	90.3	87.1
137.5°	1.6	41.2	76.1	85.6	85.6
140°	1.6	36.4	69.7	82.4	84.0
142.5°	1.6	33.3	63.4	79.2	80.8
145°	1.6	28.5	57.0	72.9	77.6
147.5°	1.6	25.4	50.7	66.5	72.9
150°	1.6	22.2	44.4	60.2	66.5
152.5°	1.6	19.0	39.6	52.3	61.8
155°	3.2	17.4	34.9	45.9	55.5
157.5°	3.2	14.3	28.5	39.6	47.5
160°	3.2	12.7	25.4	33.3	42.8
162.5°	3.2	11.1	20.6	28.5	36.4
165°	3.2	9.5	17.4	22.2	30.1
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)