

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

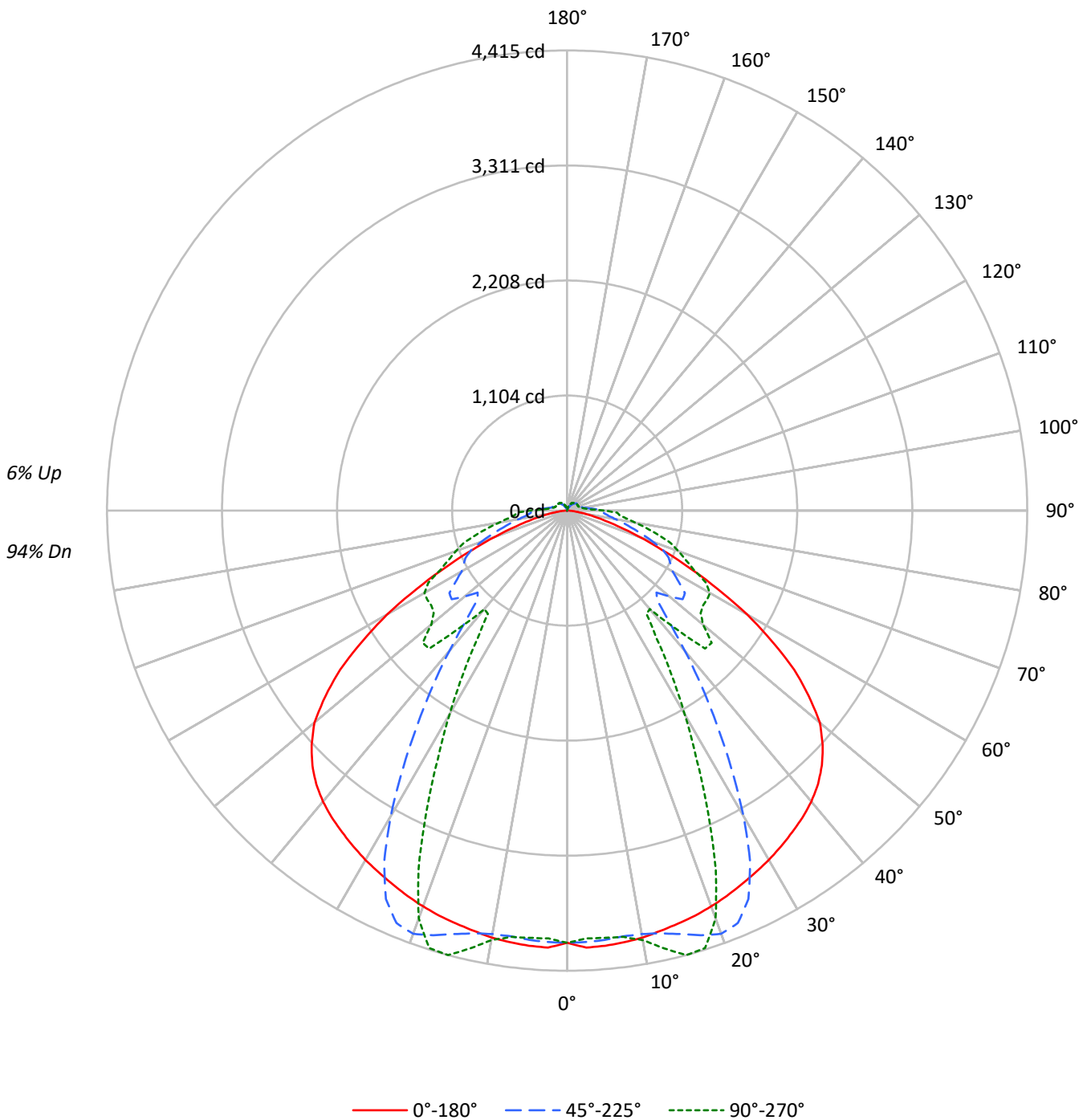
Lumens per Lamp: N/A  
Luminaire Lumens: 10649.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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	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°	16750	16750	16750
5°	16977	16373	16157
10°	17022	16139	16101
15°	17093	16381	16781
20°	17277	16884	15752
25°	17520	16241	12129
30°	17896	13615	8627
35°	18373	10321	5842
40°	18975	7511	4946
45°	19452	5455	7777
50°	19535	6048	7380
55°	18323	6969	7288
60°	15680	6388	7747
65°	11867	6455	7086
70°	8398	5889	6596
75°	5576	4949	5918
80°	3649	4257	4927
85°	2093	4070	4423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.4	3.7
10°-20°	1191.0	11.2
20°-30°	1730.2	16.2
30°-40°	1653.1	15.5
40°-50°	1512.2	14.2
50°-60°	1396.2	13.1
60°-70°	1109.0	10.4
70°-80°	684.5	6.4
80°-90°	372.7	3.5
90°-100°	188.4	1.8
100°-110°	118.4	1.1
110°-120°	100.3	0.9
120°-130°	81.9	0.8
130°-140°	58.7	0.6
140°-150°	36.2	0.3
150°-160°	17.2	0.2
160°-170°	4.5	0.0
170°-180°	0.0	0.0
0°-30°	3315.6	31.1
0°-40°	4968.7	46.7
0°-60°	7877.1	74.0
0°-90°	10043.4	94.3
90°-120°	407.1	3.8
90°-150°	583.9	5.5
90°-180°	606.0	5.7
0°-180°	10649.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4146	4146	4146	4146	4146	
5°	4191	4127	4134	4112	4114	399
15°	4103	4048	4206	4362	4415	1161
25°	3958	4035	4112	3481	3197	1830
35°	3766	3705	2498	1720	1496	2361
45°	3457	2411	1218	1554	1872	2657
55°	2659	1237	1380	1485	1589	2342
65°	1283	802	1075	1307	1338	1297
75°	378	428	644	853	910	429
85°	53	182	365	497	505	68
90°	2	136	327	387	358	3
95°	0	127	226	200	189	0
105°	0	114	140	127	125	0
115°	0	94	134	119	114	1
125°	2	75	119	116	110	1
135°	2	53	95	105	101	1
145°	2	33	66	84	90	1
155°	4	20	40	53	64	1
165°	4	11	20	26	35	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-SLC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4145.6	4145.6	4145.6	4145.6	4145.6
2.5°	4196.9	4136.4	4143.7	4130.9	4108.9
5°	4191.4	4127.2	4134.5	4112.5	4114.4
7.5°	4176.8	4110.7	4119.9	4116.2	4125.4
10°	4160.2	4090.5	4125.4	4156.6	4184.1
12.5°	4130.9	4068.5	4152.9	4244.7	4301.5
15°	4103.3	4048.3	4206.1	4362.1	4415.3
17.5°	4075.8	4041.0	4272.2	4408.0	4400.6
20°	4041.0	4037.3	4321.7	4275.8	4163.9
22.5°	4002.4	4039.1	4283.2	3947.4	3727.1
25°	3958.4	4035.4	4112.5	3481.2	3196.8
27.5°	3914.3	4018.9	3802.4	2971.1	2690.3
30°	3870.3	3974.9	3384.0	2504.9	2249.9
32.5°	3818.9	3879.5	2928.9	2092.0	1857.1
35°	3765.7	3705.1	2497.6	1719.5	1495.6
37.5°	3710.6	3453.7	2110.4	1392.9	1249.7
40°	3644.6	3138.1	1754.4	1194.7	1233.2
42.5°	3562.0	2782.1	1440.6	1253.4	1521.3
45°	3457.4	2411.4	1218.5	1554.4	1871.8
47.5°	3325.3	2055.3	1163.5	1780.1	1879.2
50°	3165.6	1728.7	1279.1	1706.7	1699.3
52.5°	2923.4	1457.1	1396.5	1556.2	1614.9
55°	2659.1	1236.9	1380.0	1484.6	1589.2
57.5°	2325.1	1088.2	1266.2	1469.9	1591.1
60°	1992.9	989.1	1169.0	1468.1	1581.9
62.5°	1625.9	899.2	1119.4	1433.2	1501.1
65°	1282.8	802.0	1075.4	1306.6	1337.8
67.5°	983.6	702.9	998.3	1165.3	1227.7
70°	741.4	605.6	877.2	1057.0	1134.1
72.5°	534.0	513.8	752.4	961.6	1042.4
75°	378.0	427.6	644.1	853.3	910.2
77.5°	260.6	348.7	552.4	734.1	779.9
80°	170.7	278.9	469.8	631.3	662.5
82.5°	102.8	223.9	407.4	552.4	568.9
85°	53.2	181.7	365.2	497.3	504.7
87.5°	16.5	152.3	341.3	471.6	480.8
90°	1.8	135.8	326.7	387.2	357.8
92.5°	0.0	128.5	282.6	264.3	236.7
95°	0.0	126.6	225.7	200.0	189.0
97.5°	0.0	123.0	185.3	167.0	161.5
100°	0.0	119.3	159.7	146.8	145.0
102.5°	0.0	117.4	145.0	134.0	132.1
105°	0.0	113.8	139.5	126.6	124.8
107.5°	0.0	108.3	135.8	123.0	119.3
110°	0.0	102.8	135.8	121.1	115.6



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	97.3	135.8	119.3	113.8
115°	0.0	93.6	134.0	119.3	113.8
117.5°	1.8	89.9	132.1	119.3	113.8
120°	0.0	86.3	128.5	119.3	111.9
122.5°	1.8	80.7	124.8	117.4	111.9
125°	1.8	75.2	119.3	115.6	110.1
127.5°	1.8	69.7	113.8	111.9	106.4
130°	1.8	64.2	108.3	110.1	104.6
132.5°	1.8	58.7	100.9	106.4	102.8
135°	1.8	53.2	95.4	104.6	100.9
137.5°	1.8	47.7	88.1	99.1	99.1
140°	1.8	42.2	80.7	95.4	97.3
142.5°	1.8	38.5	73.4	91.8	93.6
145°	1.8	33.0	66.1	84.4	89.9
147.5°	1.8	29.4	58.7	77.1	84.4
150°	1.8	25.7	51.4	69.7	77.1
152.5°	1.8	22.0	45.9	60.6	71.6
155°	3.7	20.2	40.4	53.2	64.2
157.5°	3.7	16.5	33.0	45.9	55.1
160°	3.7	14.7	29.4	38.5	49.5
162.5°	3.7	12.8	23.9	33.0	42.2
165°	3.7	11.0	20.2	25.7	34.9
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)