

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-LD5-127SL-SLC-UNV-L935-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-LD5-127SL-SLC-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

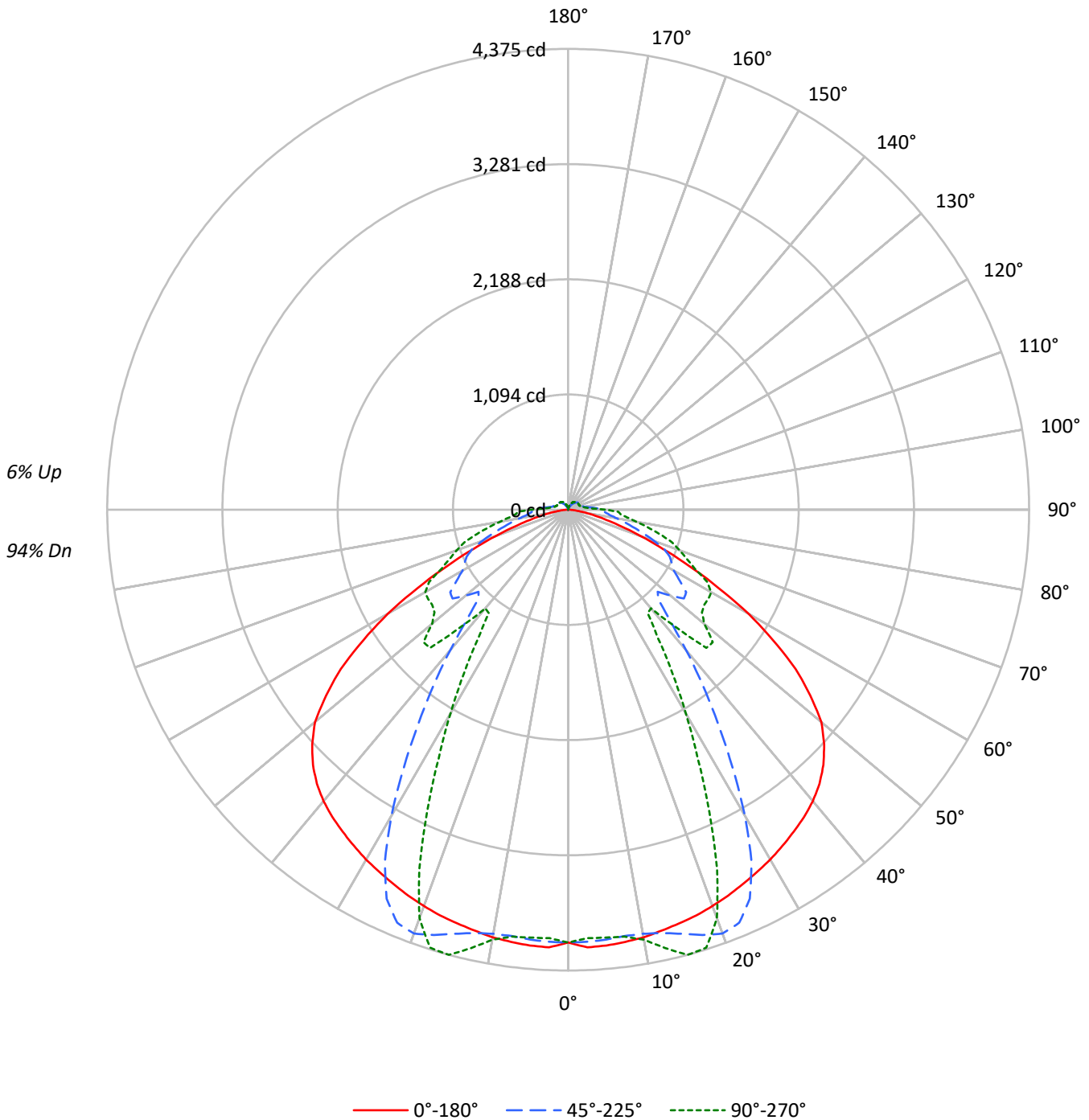
Lumens per Lamp: N/A  
Luminaire Lumens: 10552.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 103  
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°	16598	16598	16598
5°	16823	16224	16010
10°	16867	15992	15954
15°	16937	16232	16629
20°	17120	16730	15609
25°	17360	16093	12019
30°	17733	13491	8549
35°	18206	10228	5789
40°	18802	7443	4902
45°	19275	5405	7706
50°	19357	5992	7313
55°	18156	6906	7221
60°	15538	6329	7676
65°	11759	6396	7021
70°	8321	5836	6536
75°	5526	4904	5864
80°	3614	4218	4881
85°	2073	4033	4382



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.8	3.7
10°-20°	1180.2	11.2
20°-30°	1714.4	16.2
30°-40°	1638.1	15.5
40°-50°	1498.4	14.2
50°-60°	1383.5	13.1
60°-70°	1098.9	10.4
70°-80°	678.3	6.4
80°-90°	369.3	3.5
90°-100°	186.7	1.8
100°-110°	117.3	1.1
110°-120°	99.4	0.9
120°-130°	81.2	0.8
130°-140°	58.2	0.6
140°-150°	35.9	0.3
150°-160°	17.0	0.2
160°-170°	4.4	0.0
170°-180°	0.0	0.0
0°-30°	3285.4	31.1
0°-40°	4923.5	46.7
0°-60°	7805.3	74.0
0°-90°	9951.9	94.3
90°-120°	403.4	3.8
90°-150°	578.6	5.5
90°-180°	600.0	5.7
0°-180°	10552.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4108	4108	4108	4108	4108	
5°	4153	4090	4097	4075	4077	395
15°	4066	4011	4168	4322	4375	1151
25°	3922	3999	4075	3450	3168	1813
35°	3731	3671	2475	1704	1482	2340
45°	3426	2389	1207	1540	1855	2633
55°	2635	1226	1367	1471	1575	2321
65°	1271	795	1066	1295	1326	1285
75°	375	424	638	846	902	425
85°	53	180	362	493	500	67
90°	2	135	324	384	355	3
95°	0	126	224	198	187	0
105°	0	113	138	126	124	0
115°	0	93	133	118	113	1
125°	2	75	118	115	109	1
135°	2	53	95	104	100	1
145°	2	33	66	84	89	1
155°	4	20	40	53	64	1
165°	4	11	20	26	34	1
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°	4107.8	4107.8	4107.8	4107.8	4107.8
2.5°	4158.7	4098.7	4106.0	4093.2	4071.4
5°	4153.3	4089.6	4096.9	4075.1	4076.9
7.5°	4138.7	4073.2	4082.3	4078.7	4087.8
10°	4122.3	4053.2	4087.8	4118.7	4146.0
12.5°	4093.2	4031.4	4115.1	4206.0	4262.4
15°	4066.0	4011.4	4167.8	4322.4	4375.1
17.5°	4038.7	4004.1	4233.3	4367.8	4360.6
20°	4004.1	4000.5	4282.4	4236.9	4126.0
22.5°	3966.0	4002.3	4244.2	3911.4	3693.2
25°	3922.3	3998.7	4075.1	3449.5	3167.7
27.5°	3878.7	3982.3	3767.7	2944.0	2665.8
30°	3835.0	3938.7	3353.2	2482.1	2229.4
32.5°	3784.1	3844.1	2902.2	2073.0	1840.2
35°	3731.4	3671.4	2474.9	1703.9	1482.0
37.5°	3676.8	3422.3	2091.2	1380.2	1238.3
40°	3611.4	3109.5	1738.4	1183.8	1222.0
42.5°	3529.5	2756.7	1427.5	1242.0	1507.5
45°	3425.9	2389.4	1207.4	1540.2	1854.8
47.5°	3295.0	2036.6	1152.9	1763.9	1862.1
50°	3136.8	1712.9	1267.4	1691.1	1683.8
52.5°	2896.7	1443.8	1383.8	1542.0	1600.2
55°	2634.9	1225.6	1367.4	1471.1	1574.7
57.5°	2303.9	1078.3	1254.7	1456.5	1576.6
60°	1974.8	980.1	1158.3	1454.7	1567.5
62.5°	1611.1	891.0	1109.2	1420.2	1487.5
65°	1271.1	794.6	1065.6	1294.7	1325.6
67.5°	974.7	696.5	989.2	1154.7	1216.5
70°	734.6	600.1	869.2	1047.4	1123.8
72.5°	529.2	509.2	745.5	952.8	1032.9
75°	374.6	423.7	638.3	845.6	901.9
77.5°	258.2	345.5	547.3	727.4	772.8
80°	169.1	276.4	465.5	625.5	656.4
82.5°	101.8	221.8	403.7	547.3	563.7
85°	52.7	180.0	361.9	492.8	500.1
87.5°	16.4	150.9	338.2	467.3	476.4
90°	1.8	134.6	323.7	383.7	354.6
92.5°	0.0	127.3	280.0	261.9	234.6
95°	0.0	125.5	223.7	198.2	187.3
97.5°	0.0	121.8	183.7	165.5	160.0
100°	0.0	118.2	158.2	145.5	143.7
102.5°	0.0	116.4	143.7	132.7	130.9
105°	0.0	112.7	138.2	125.5	123.7
107.5°	0.0	107.3	134.6	121.8	118.2
110°	0.0	101.8	134.6	120.0	114.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	96.4	134.6	118.2	112.7
115°	0.0	92.7	132.7	118.2	112.7
117.5°	1.8	89.1	130.9	118.2	112.7
120°	0.0	85.5	127.3	118.2	110.9
122.5°	1.8	80.0	123.7	116.4	110.9
125°	1.8	74.6	118.2	114.6	109.1
127.5°	1.8	69.1	112.7	110.9	105.5
130°	1.8	63.6	107.3	109.1	103.6
132.5°	1.8	58.2	100.0	105.5	101.8
135°	1.8	52.7	94.6	103.6	100.0
137.5°	1.8	47.3	87.3	98.2	98.2
140°	1.8	41.8	80.0	94.6	96.4
142.5°	1.8	38.2	72.7	90.9	92.7
145°	1.8	32.7	65.5	83.6	89.1
147.5°	1.8	29.1	58.2	76.4	83.6
150°	1.8	25.5	50.9	69.1	76.4
152.5°	1.8	21.8	45.5	60.0	70.9
155°	3.6	20.0	40.0	52.7	63.6
157.5°	3.6	16.4	32.7	45.5	54.6
160°	3.6	14.5	29.1	38.2	49.1
162.5°	3.6	12.7	23.6	32.7	41.8
165°	3.6	10.9	20.0	25.5	34.5
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)