

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: **2SNLED-LD5-18SL-SLN-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNLED-LD5-18SL-SLN-UNV-L930-CD1-U  
Description: 2FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

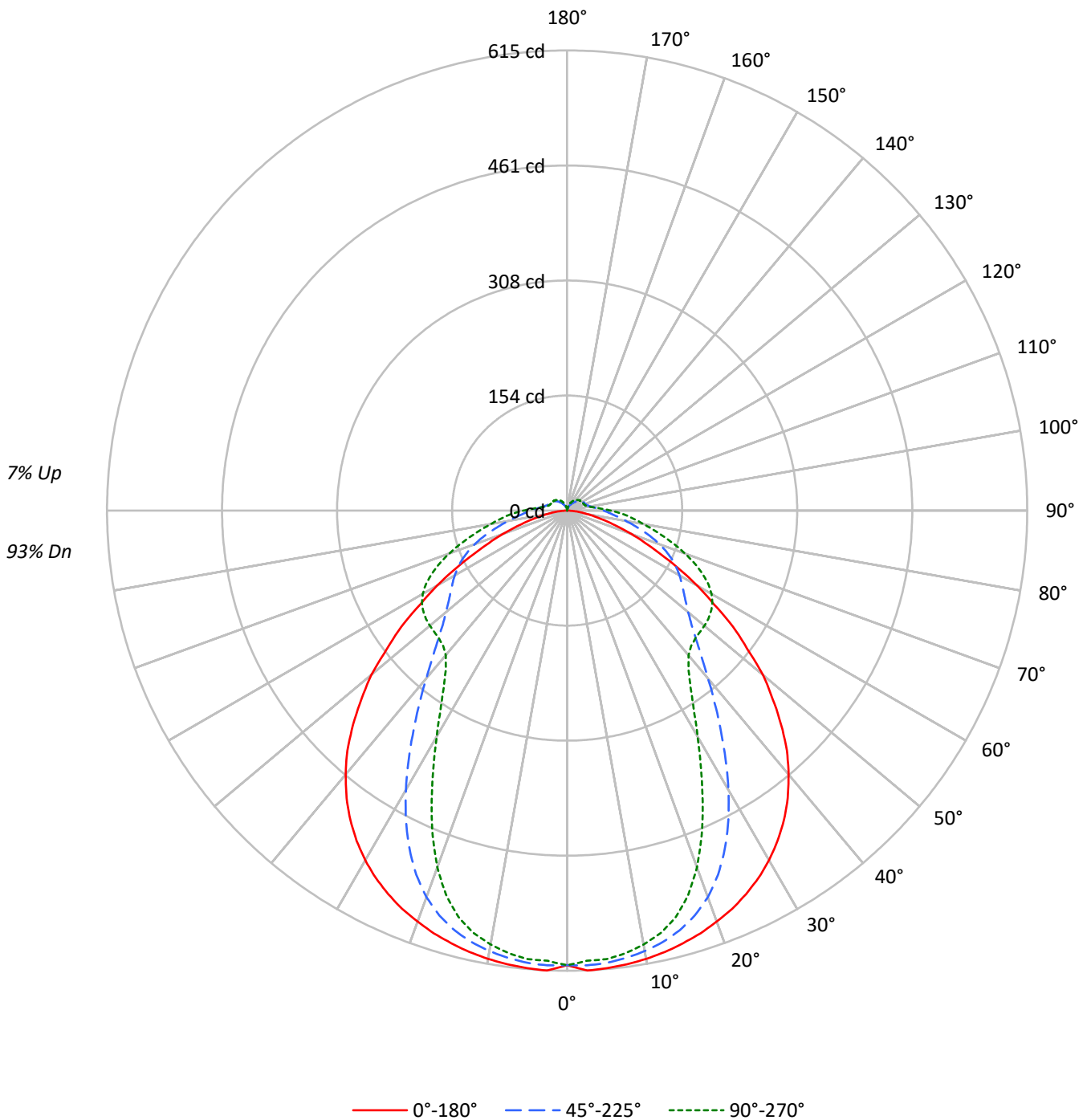
Lumens per Lamp: N/A  
Luminaire Lumens: 1528.0 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 14  
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



TEST NUMBER: P#  
CATALOG NUMBER: 2SNLED-LD5-18SL-SLN-UNV-L930-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLN-UNV-L930-CD1-U

**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

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

	0°	45°	90°
0°	9820	9820	9820
5°	9906	9585	9453
10°	9876	9303	9063
15°	9851	8975	8547
20°	9828	8498	7676
25°	9801	7773	6500
30°	9721	6827	5347
35°	9548	5797	4481
40°	9232	4900	4050
45°	8702	4250	4020
50°	7996	3875	4161
55°	6995	3714	4305
60°	5854	3651	4366
65°	4657	3555	4229
70°	3686	3358	3901
75°	2714	3022	3462
80°	1924	2692	3079
85°	1168	2513	2832



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLN-UNV-L930-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.5	3.8
10°-20°	162.5	10.6
20°-30°	227.1	14.9
30°-40°	235.6	15.4
40°-50°	217.6	14.2
50°-60°	194.3	12.7
60°-70°	157.5	10.3
70°-80°	104.7	6.9
80°-90°	60.0	3.9
90°-100°	33.2	2.2
100°-110°	22.5	1.5
110°-120°	18.7	1.2
120°-130°	15.2	1.0
130°-140°	11.0	0.7
140°-150°	6.6	0.4
150°-160°	3.2	0.2
160°-170°	0.8	0.1
170°-180°	0.0	0.0
0°-30°	447.1	29.3
0°-40°	682.7	44.7
0°-60°	1094.6	71.6
0°-90°	1416.8	92.7
90°-120°	74.4	4.9
90°-150°	107.2	7.0
90°-180°	111.0	7.3
0°-180°	1528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	608	608	608	608	608	
5°	614	604	607	603	602	58
15°	599	586	581	568	562	169
25°	566	540	499	446	428	261
35°	505	450	358	300	287	315
45°	404	321	244	235	242	311
55°	270	204	190	221	235	240
65°	138	124	155	190	200	140
75°	54	67	104	128	133	59
85°	11	31	62	79	81	12
90°	0	22	49	59	58	1
95°	0	18	39	41	40	0
105°	0	16	28	27	26	0
115°	0	14	25	24	24	0
125°	0	12	22	23	22	0
135°	0	9	17	20	20	0
145°	0	6	12	16	17	0
155°	0	4	7	10	12	0
165°	0	2	4	5	6	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLN-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	607.6	607.6	607.6	607.6	607.6
2.5°	615.3	605.2	608.4	605.7	602.3
5°	613.9	603.6	606.8	602.6	601.8
7.5°	611.6	601.3	603.1	598.1	596.8
10°	608.4	597.6	597.8	590.7	588.8
12.5°	604.2	592.3	590.7	580.9	578.3
15°	598.6	585.9	580.9	567.7	562.2
17.5°	592.5	577.8	567.5	547.1	538.4
20°	584.4	567.7	549.8	518.9	507.3
22.5°	576.2	555.6	526.8	485.6	470.0
25°	565.6	540.5	498.8	446.5	428.3
27.5°	553.7	522.8	466.6	406.4	386.8
30°	539.7	501.4	431.2	367.0	348.6
32.5°	523.4	477.4	394.0	331.7	314.5
35°	505.1	449.7	357.5	300.2	286.8
37.5°	484.3	419.3	323.7	274.9	266.2
40°	460.5	386.3	292.6	255.3	252.4
42.5°	434.9	354.1	265.9	242.7	245.3
45°	404.5	320.6	243.5	234.7	241.9
47.5°	372.6	287.8	225.2	230.3	240.6
50°	341.7	257.5	211.0	227.4	239.5
52.5°	303.4	230.3	199.6	224.7	237.9
55°	270.4	204.4	190.1	221.0	234.7
57.5°	232.4	181.1	181.7	216.3	230.0
60°	200.7	160.0	173.5	209.7	222.9
62.5°	168.5	141.0	164.5	200.9	212.8
65°	138.1	123.6	154.7	189.6	199.6
67.5°	112.8	107.7	143.6	175.9	184.3
70°	91.4	93.2	131.5	160.5	167.7
72.5°	70.2	79.7	118.3	144.2	150.2
75°	53.6	67.1	104.3	127.8	133.1
77.5°	39.6	56.0	91.6	113.0	117.5
80°	28.0	46.2	79.7	100.1	103.5
82.5°	18.7	38.0	70.0	88.5	91.6
85°	10.8	31.2	61.5	78.7	80.8
87.5°	4.5	25.9	54.7	68.7	69.7
90°	0.5	21.9	48.6	58.6	58.1
92.5°	0.5	19.8	43.3	49.1	47.8
95°	0.5	18.5	38.6	41.2	39.9
97.5°	0.5	17.7	34.3	35.4	34.1
100°	0.3	17.2	31.4	31.4	30.1
102.5°	0.3	16.6	29.3	28.5	27.5
105°	0.3	16.1	27.7	26.9	25.6
107.5°	0.3	15.8	26.7	25.9	24.6
110°	0.3	15.3	25.9	25.1	24.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLN-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	15.1	25.3	24.8	23.5
115°	0.3	14.5	24.6	24.3	23.5
117.5°	0.3	14.0	24.0	24.0	23.2
120°	0.3	13.5	23.2	23.8	23.0
122.5°	0.3	12.9	22.4	23.2	22.4
125°	0.3	12.4	21.7	22.7	22.2
127.5°	0.5	11.6	20.6	22.2	21.7
130°	0.3	10.8	19.5	21.7	21.4
132.5°	0.5	10.0	18.5	20.9	20.9
135°	0.5	9.2	17.2	20.1	20.1
137.5°	0.5	8.2	15.8	19.0	19.3
140°	0.5	7.4	14.5	18.0	18.5
142.5°	0.5	6.6	13.2	16.9	17.7
145°	0.5	5.8	11.9	15.6	16.6
147.5°	0.5	5.3	10.6	14.0	15.6
150°	0.5	4.5	9.5	12.7	14.3
152.5°	0.5	4.0	8.4	11.4	13.2
155°	0.5	3.7	7.4	9.8	11.9
157.5°	0.5	3.2	6.3	8.4	10.6
160°	0.5	2.6	5.3	7.4	9.0
162.5°	0.5	2.4	4.5	6.1	7.9
165°	0.5	2.1	3.7	4.8	6.3
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)