

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-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 (P27410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-112SL-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

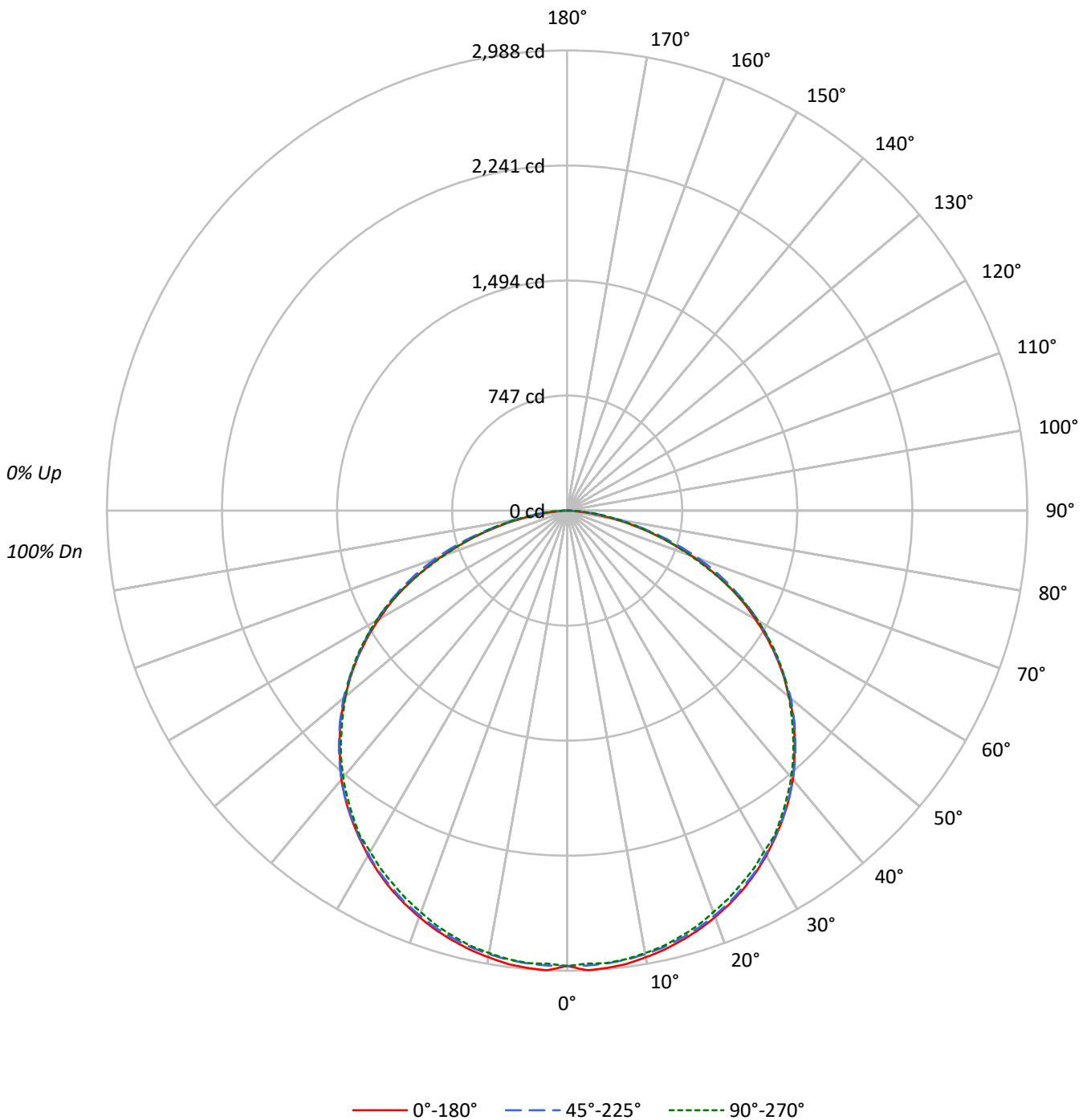
Lumens per Lamp: N/A  
Luminaire Lumens: 8870.0 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 82  
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: 8SNLED-LD5-112SL-UNV-L930-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

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

	0°	45°	90°
0°	11947	11947	11947
5°	12072	11686	11583
10°	12050	11441	11225
15°	12028	11194	10874
20°	12011	10929	10499
25°	11996	10663	10149
30°	11959	10376	9804
35°	11920	10078	9473
40°	11874	9758	9077
45°	11752	9377	8623
50°	11606	8962	8161
55°	11423	8402	7664
60°	11104	7833	7012
65°	10624	7088	6099
70°	9765	6105	4945
75°	8405	4673	3801
80°	6436	3090	2492
85°	3540	1513	1113



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-UNV-L930-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.6	3.2
10°-20°	809.3	9.1
20°-30°	1238.9	14.0
30°-40°	1517.9	17.1
40°-50°	1605.5	18.1
50°-60°	1481.9	16.7
60°-70°	1143.8	12.9
70°-80°	634.9	7.2
80°-90°	157.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2328.8	26.3
0°-40°	3846.7	43.4
0°-60°	6934.1	78.2
0°-90°	8870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2957	2957	2957	2957	2957	
5°	2980	2942	2951	2944	2950	283
15°	2888	2854	2874	2864	2861	816
25°	2710	2678	2700	2676	2675	1249
35°	2443	2416	2439	2412	2425	1529
45°	2089	2070	2095	2073	2076	1612
55°	1658	1644	1664	1662	1671	1480
65°	1148	1137	1181	1174	1151	1132
75°	570	604	608	607	585	605
85°	90	133	136	137	127	121
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-112SL-UNV-L930-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2956.8	2956.8	2956.8	2956.8	2956.8
2.5°	2987.8	2949.5	2956.8	2952.4	2943.6
5°	2980.5	2942.1	2950.9	2943.6	2949.5
7.5°	2968.6	2927.3	2942.1	2931.7	2937.6
10°	2945.0	2909.6	2924.4	2912.6	2917.0
12.5°	2919.9	2883.0	2903.7	2888.9	2894.8
15°	2887.5	2853.5	2874.2	2863.8	2860.9
17.5°	2852.0	2819.5	2840.2	2828.4	2824.0
20°	2809.2	2778.2	2797.4	2779.7	2775.3
22.5°	2762.0	2731.0	2753.1	2728.0	2729.5
25°	2710.3	2677.8	2700.0	2676.4	2674.9
27.5°	2651.3	2620.3	2643.9	2618.8	2621.7
30°	2586.3	2555.3	2578.9	2553.8	2556.8
32.5°	2515.5	2490.4	2511.0	2487.4	2503.6
35°	2443.1	2416.5	2438.7	2412.1	2425.4
37.5°	2364.9	2339.8	2363.4	2333.9	2345.7
40°	2280.7	2258.6	2279.3	2252.7	2263.0
42.5°	2183.3	2170.0	2190.7	2164.1	2173.0
45°	2088.8	2069.6	2094.7	2072.6	2075.5
47.5°	1994.4	1973.7	1997.3	1978.1	1976.6
50°	1880.7	1873.3	1895.4	1880.7	1879.2
52.5°	1772.9	1758.2	1781.8	1774.4	1778.8
55°	1657.8	1644.5	1663.7	1662.2	1671.1
57.5°	1538.2	1524.9	1550.0	1547.1	1554.4
60°	1411.3	1400.9	1433.4	1426.0	1431.9
62.5°	1287.2	1268.1	1309.4	1303.5	1300.5
65°	1148.5	1136.7	1181.0	1173.6	1151.4
67.5°	1005.3	1000.9	1046.6	1031.9	995.0
70°	862.1	865.1	909.3	881.3	850.3
72.5°	711.5	733.7	760.2	739.6	717.4
75°	569.8	603.8	608.2	606.7	584.6
77.5°	431.1	473.9	463.5	473.9	456.1
80°	301.1	348.4	341.0	349.9	335.1
82.5°	186.0	228.8	230.3	236.2	222.9
85°	90.0	132.9	135.8	137.3	127.0
87.5°	19.2	62.0	63.5	59.0	51.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)