

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-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 (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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

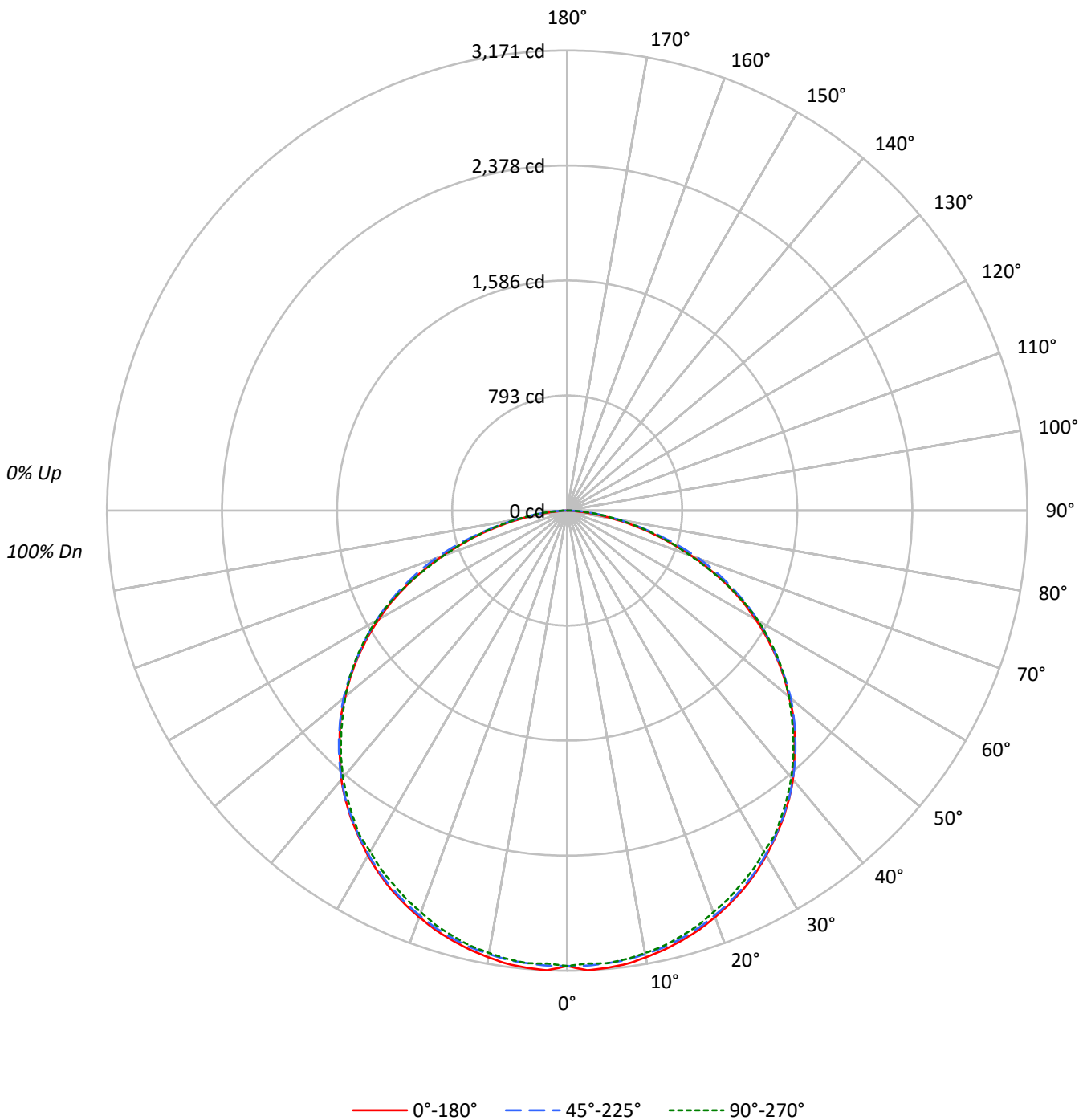
Lumens per Lamp: N/A
Luminaire Lumens: 9415.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12681	12681	12681
5°	12814	12404	12294
10°	12790	12143	11915
15°	12767	11881	11542
20°	12749	11600	11144
25°	12733	11318	10772
30°	12693	11014	10407
35°	12653	10697	10055
40°	12604	10358	9635
45°	12474	9953	9153
50°	12319	9512	8663
55°	12125	8918	8134
60°	11786	8314	7443
65°	11278	7524	6474
70°	10366	6480	5249
75°	8921	4960	4035
80°	6831	3280	2645
85°	3760	1607	1181



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	3.2
10°-20°	859.0	9.1
20°-30°	1315.0	14.0
30°-40°	1611.1	17.1
40°-50°	1704.1	18.1
50°-60°	1573.0	16.7
60°-70°	1214.1	12.9
70°-80°	673.9	7.2
80°-90°	166.9	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°	2471.9	26.3
0°-40°	4083.0	43.4
0°-60°	7360.1	78.2
0°-90°	9415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3138	3138	3138	3138	3138	
5°	3164	3123	3132	3124	3131	301
15°	3065	3029	3051	3040	3037	866
25°	2877	2842	2866	2841	2839	1326
35°	2593	2565	2588	2560	2574	1623
45°	2217	2197	2223	2200	2203	1711
55°	1760	1746	1766	1764	1774	1571
65°	1219	1206	1254	1246	1222	1202
75°	605	641	646	644	620	642
85°	96	141	144	146	135	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3138.5	3138.5	3138.5	3138.5	3138.5
2.5°	3171.4	3130.7	3138.5	3133.8	3124.4
5°	3163.6	3122.8	3132.2	3124.4	3130.7
7.5°	3151.0	3107.2	3122.8	3111.9	3118.1
10°	3126.0	3088.4	3104.0	3091.5	3096.2
12.5°	3099.3	3060.2	3082.1	3066.4	3072.7
15°	3064.9	3028.8	3050.8	3039.8	3036.7
17.5°	3027.3	2992.8	3014.7	3002.2	2997.5
20°	2981.8	2948.9	2969.3	2950.5	2945.8
22.5°	2931.7	2898.8	2922.3	2895.6	2897.2
25°	2876.8	2842.4	2865.9	2840.8	2839.2
27.5°	2814.2	2781.3	2806.3	2779.7	2782.8
30°	2745.2	2712.3	2737.4	2710.7	2713.9
32.5°	2670.0	2643.4	2665.3	2640.2	2657.5
35°	2593.2	2565.0	2588.5	2560.3	2574.4
37.5°	2510.2	2483.5	2508.6	2477.3	2489.8
40°	2420.9	2397.4	2419.3	2391.1	2402.1
42.5°	2317.5	2303.4	2325.3	2297.1	2306.5
45°	2217.2	2196.8	2223.4	2199.9	2203.1
47.5°	2116.9	2095.0	2120.0	2099.7	2098.1
50°	1996.2	1988.4	2011.9	1996.2	1994.7
52.5°	1881.9	1866.2	1891.3	1883.4	1888.1
55°	1759.6	1745.5	1765.9	1764.3	1773.7
57.5°	1632.7	1618.6	1645.3	1642.1	1650.0
60°	1498.0	1487.0	1521.5	1513.6	1519.9
62.5°	1366.3	1346.0	1389.8	1383.6	1380.4
65°	1219.1	1206.5	1253.5	1245.7	1222.2
67.5°	1067.1	1062.4	1110.9	1095.3	1056.1
70°	915.1	918.2	965.2	935.4	902.5
72.5°	755.2	778.8	807.0	785.0	761.5
75°	604.8	640.9	645.6	644.0	620.5
77.5°	457.5	503.0	492.0	503.0	484.2
80°	319.6	369.8	362.0	371.4	355.7
82.5°	197.4	242.9	244.4	250.7	236.6
85°	95.6	141.0	144.2	145.7	134.8
87.5°	20.4	65.8	67.4	62.7	54.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)