

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

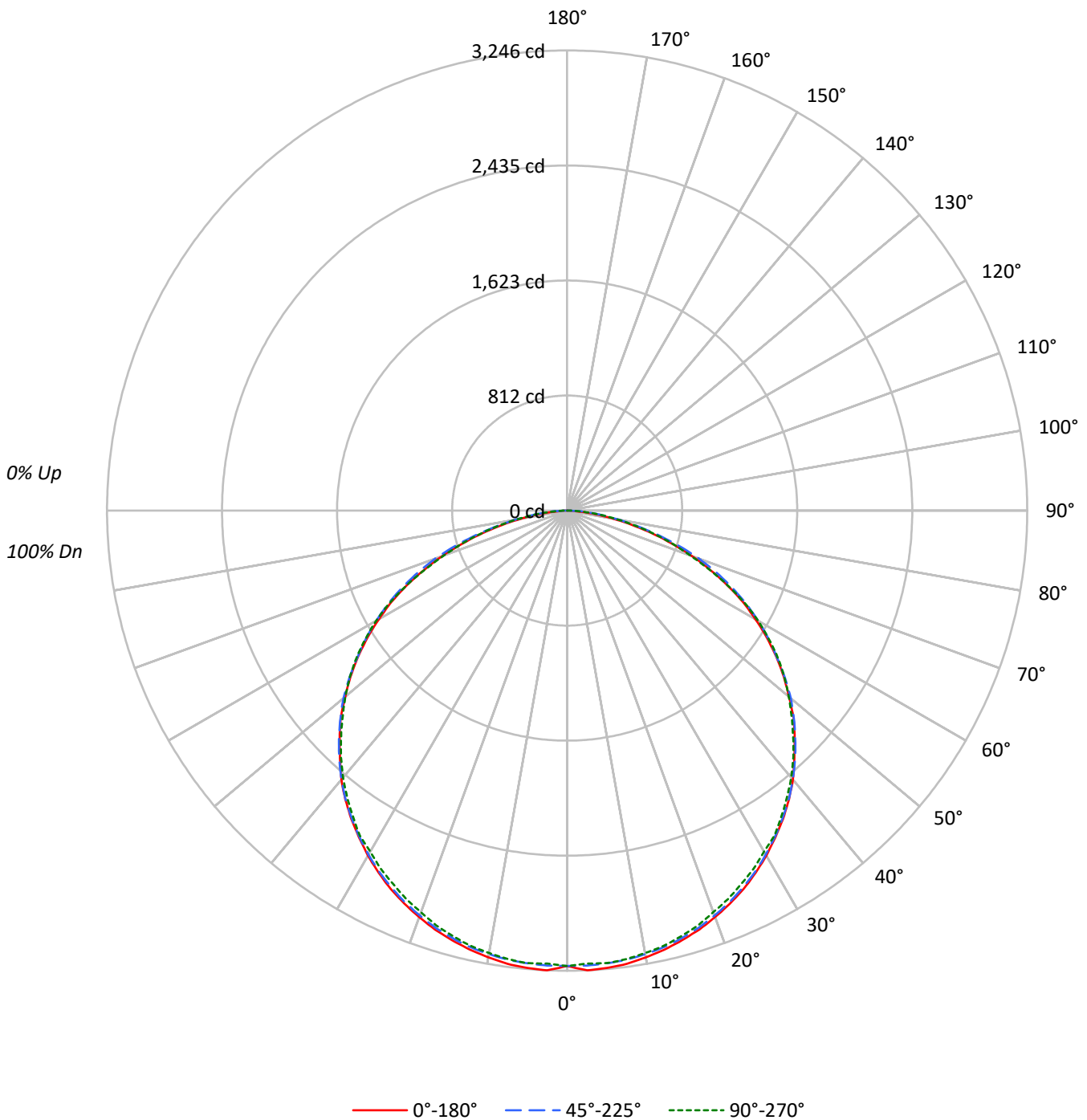
Lumens per Lamp: N/A
Luminaire Lumens: 9637.0 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	12980	12980	12980
5°	13116	12697	12584
10°	13092	12430	12196
15°	13068	12161	11814
20°	13049	11874	11406
25°	13033	11584	11026
30°	12993	11273	10652
35°	12951	10950	10292
40°	12901	10602	9862
45°	12769	10188	9369
50°	12609	9736	8867
55°	12411	9128	8326
60°	12064	8510	7618
65°	11543	7701	6626
70°	10610	6633	5373
75°	9132	5077	4130
80°	6994	3357	2708
85°	3847	1645	1208



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.9	3.2
10°-20°	879.3	9.1
20°-30°	1346.0	14.0
30°-40°	1649.1	17.1
40°-50°	1744.3	18.1
50°-60°	1610.0	16.7
60°-70°	1242.7	12.9
70°-80°	689.8	7.2
80°-90°	170.9	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°	2530.2	26.3
0°-40°	4179.3	43.4
0°-60°	7533.7	78.2
0°-90°	9637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9637.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3212	3212	3212	3212	3212	
5°	3238	3196	3206	3198	3204	308
15°	3137	3100	3123	3112	3108	886
25°	2945	2909	2933	2908	2906	1357
35°	2654	2626	2650	2621	2635	1661
45°	2270	2249	2276	2252	2255	1751
55°	1801	1787	1808	1806	1816	1608
65°	1248	1235	1283	1275	1251	1230
75°	619	656	661	659	635	657
85°	98	144	148	149	138	132
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3212.5	3212.5	3212.5	3212.5	3212.5
2.5°	3246.2	3204.5	3212.5	3207.7	3198.1
5°	3238.2	3196.5	3206.1	3198.1	3204.5
7.5°	3225.3	3180.4	3196.5	3185.3	3191.7
10°	3199.7	3161.2	3177.2	3164.4	3169.2
12.5°	3172.4	3132.3	3154.8	3138.7	3145.2
15°	3137.1	3100.2	3122.7	3111.5	3108.3
17.5°	3098.6	3063.4	3085.8	3073.0	3068.2
20°	3052.1	3018.5	3039.3	3020.1	3015.2
22.5°	3000.8	2967.1	2991.2	2963.9	2965.5
25°	2944.7	2909.4	2933.4	2907.8	2906.2
27.5°	2880.5	2846.8	2872.5	2845.2	2848.4
30°	2810.0	2776.3	2801.9	2774.7	2777.9
32.5°	2733.0	2705.7	2728.2	2702.5	2720.1
35°	2654.4	2625.5	2649.6	2620.7	2635.1
37.5°	2569.4	2542.1	2567.8	2535.7	2548.5
40°	2478.0	2453.9	2476.3	2447.5	2458.7
42.5°	2372.1	2357.7	2380.1	2351.2	2360.9
45°	2269.5	2248.6	2275.9	2251.8	2255.0
47.5°	2166.8	2144.4	2170.0	2149.2	2147.6
50°	2043.3	2035.3	2059.3	2043.3	2041.7
52.5°	1926.2	1910.2	1935.9	1927.8	1932.6
55°	1801.1	1786.7	1807.5	1805.9	1815.6
57.5°	1671.2	1656.8	1684.0	1680.8	1688.9
60°	1533.3	1522.1	1557.3	1549.3	1555.7
62.5°	1398.6	1377.7	1422.6	1416.2	1413.0
65°	1247.8	1235.0	1283.1	1275.1	1251.0
67.5°	1092.2	1087.4	1137.1	1121.1	1081.0
70°	936.7	939.9	988.0	957.5	923.8
72.5°	773.1	797.1	826.0	803.5	779.5
75°	619.1	656.0	660.8	659.2	635.1
77.5°	468.3	514.8	503.6	514.8	495.6
80°	327.2	378.5	370.5	380.1	364.1
82.5°	202.1	248.6	250.2	256.6	242.2
85°	97.8	144.3	147.6	149.2	137.9
87.5°	20.9	67.4	69.0	64.2	56.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)