

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-LD5-104SL-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-LD5-104SL-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

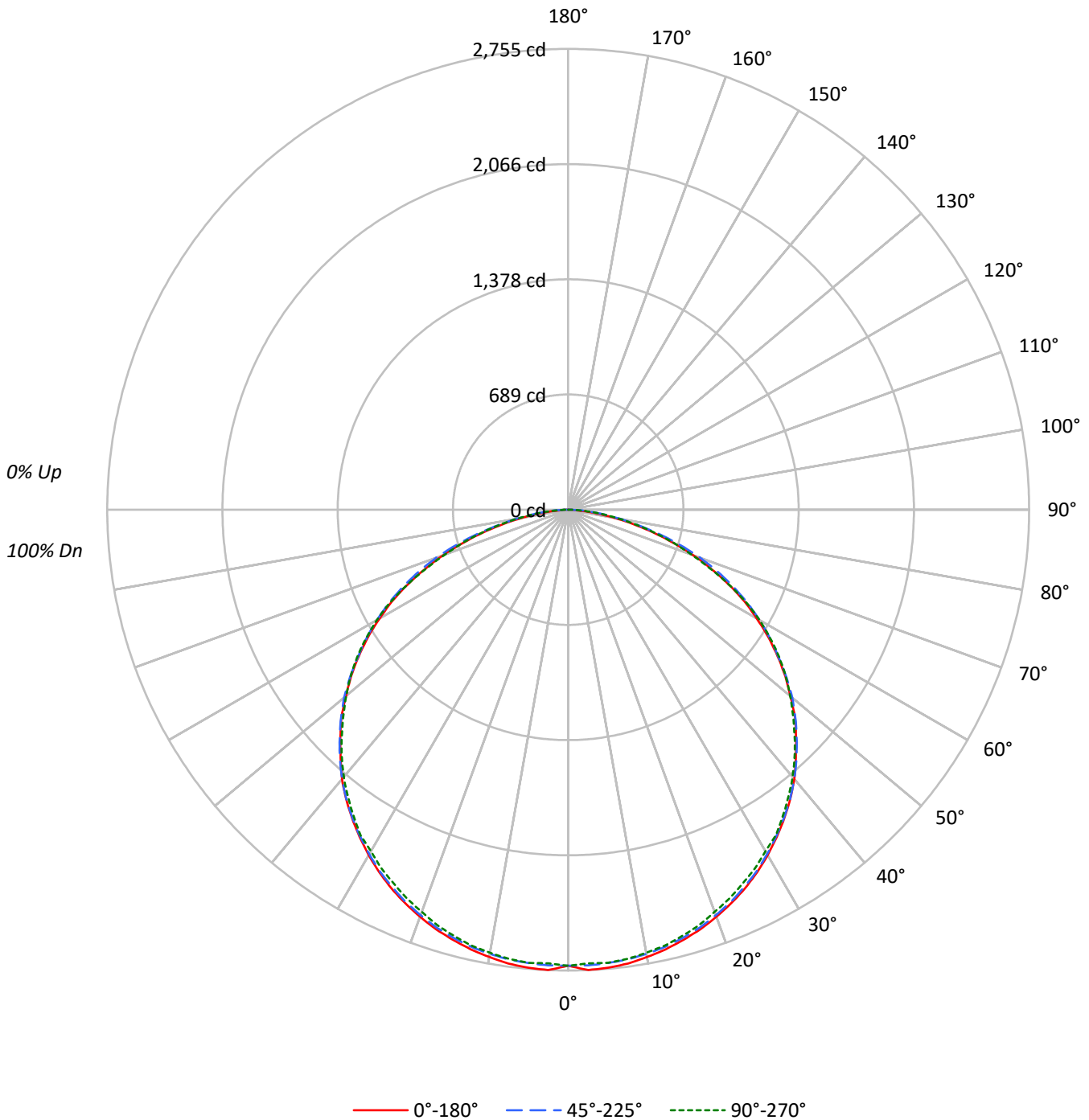
Lumens per Lamp: N/A
Luminaire Lumens: 8178.0 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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°	11015	11015	11015
5°	11130	10774	10679
10°	11110	10548	10349
15°	11090	10320	10025
20°	11074	10076	9679
25°	11060	9830	9357
30°	11026	9566	9039
35°	10990	9292	8734
40°	10948	8997	8369
45°	10836	8645	7950
50°	10701	8263	7525
55°	10532	7747	7066
60°	10238	7222	6465
65°	9796	6535	5623
70°	9003	5629	4560
75°	7750	4308	3505
80°	5936	2849	2298
85°	3265	1395	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.8	3.2
10°-20°	746.2	9.1
20°-30°	1142.2	14.0
30°-40°	1399.4	17.1
40°-50°	1480.2	18.1
50°-60°	1366.3	16.7
60°-70°	1054.6	12.9
70°-80°	585.3	7.2
80°-90°	145.0	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°	2147.1	26.3
0°-40°	3546.6	43.4
0°-60°	6393.1	78.2
0°-90°	8178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2726	2726	2726	2726	2726	
5°	2748	2712	2721	2714	2719	261
15°	2662	2631	2650	2640	2638	752
25°	2499	2469	2489	2468	2466	1152
35°	2252	2228	2248	2224	2236	1409
45°	1926	1908	1931	1911	1914	1486
55°	1528	1516	1534	1532	1541	1364
65°	1059	1048	1089	1082	1062	1044
75°	525	557	561	559	539	557
85°	83	122	125	127	117	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2726.2	2726.2	2726.2	2726.2	2726.2
2.5°	2754.7	2719.4	2726.2	2722.1	2713.9
5°	2747.9	2712.5	2720.7	2713.9	2719.4
7.5°	2737.0	2698.9	2712.5	2703.0	2708.5
10°	2715.3	2682.6	2696.2	2685.3	2689.4
12.5°	2692.1	2658.1	2677.2	2663.5	2669.0
15°	2662.2	2630.9	2649.9	2640.4	2637.7
17.5°	2629.5	2599.6	2618.6	2607.7	2603.7
20°	2590.1	2561.5	2579.2	2562.8	2558.7
22.5°	2546.5	2517.9	2538.3	2515.2	2516.6
25°	2498.9	2468.9	2489.3	2467.6	2466.2
27.5°	2444.4	2415.8	2437.6	2414.5	2417.2
30°	2384.5	2356.0	2377.7	2354.6	2357.3
32.5°	2319.2	2296.1	2315.1	2293.3	2308.3
35°	2252.5	2228.0	2248.4	2223.9	2236.2
37.5°	2180.4	2157.2	2179.0	2151.8	2162.7
40°	2102.8	2082.4	2101.4	2076.9	2086.5
42.5°	2013.0	2000.7	2019.8	1995.3	2003.4
45°	1925.9	1908.2	1931.3	1910.9	1913.6
47.5°	1838.8	1819.7	1841.5	1823.8	1822.4
50°	1734.0	1727.2	1747.6	1734.0	1732.6
52.5°	1634.6	1621.0	1642.8	1636.0	1640.0
55°	1528.4	1516.2	1533.9	1532.5	1540.7
57.5°	1418.2	1406.0	1429.1	1426.4	1433.2
60°	1301.2	1291.6	1321.6	1314.8	1320.2
62.5°	1186.8	1169.1	1207.2	1201.8	1199.1
65°	1058.9	1048.0	1088.8	1082.0	1061.6
67.5°	926.9	922.8	965.0	951.4	917.3
70°	794.8	797.6	838.4	812.5	784.0
72.5°	656.0	676.4	700.9	681.9	661.5
75°	525.4	556.7	560.7	559.4	539.0
77.5°	397.4	436.9	427.4	436.9	420.6
80°	277.7	321.2	314.4	322.6	309.0
82.5°	171.5	211.0	212.3	217.8	205.5
85°	83.0	122.5	125.2	126.6	117.0
87.5°	17.7	57.2	58.5	54.4	47.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)