

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-LD5-96SL-UNV-L950-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-LD5-96SL-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

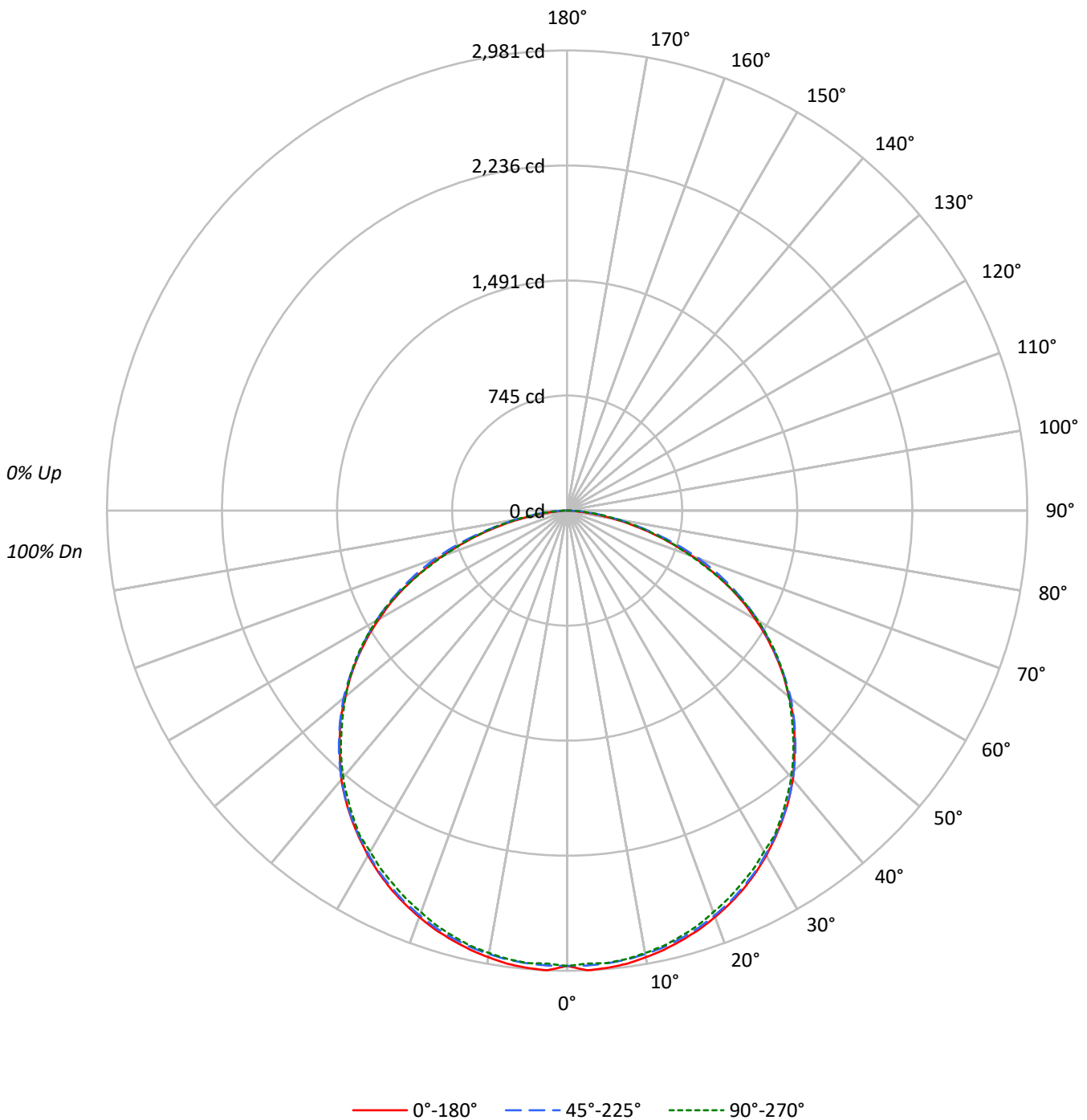
Lumens per Lamp: N/A  
Luminaire Lumens: 8849.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 69  
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°	11919	11919	11919
5°	12043	11658	11555
10°	12021	11413	11198
15°	11999	11167	10848
20°	11983	10903	10474
25°	11967	10637	10125
30°	11930	10351	9781
35°	11892	10054	9451
40°	11846	9735	9056
45°	11725	9355	8603
50°	11578	8941	8142
55°	11396	8382	7645
60°	11077	7814	6995
65°	10599	7072	6084
70°	9743	6091	4933
75°	8386	4662	3792
80°	6421	3083	2486
85°	3532	1510	1110



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.0	3.2
10°-20°	807.4	9.1
20°-30°	1235.9	14.0
30°-40°	1514.3	17.1
40°-50°	1601.7	18.1
50°-60°	1478.4	16.7
60°-70°	1141.1	12.9
70°-80°	633.3	7.2
80°-90°	156.9	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°	2323.3	26.3
0°-40°	3837.6	43.4
0°-60°	6917.7	78.2
0°-90°	8849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8849.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2950	2950	2950	2950	2950	
5°	2973	2935	2944	2937	2942	283
15°	2881	2847	2867	2857	2854	814
25°	2704	2672	2694	2670	2668	1246
35°	2437	2411	2433	2406	2420	1525
45°	2084	2065	2090	2068	2071	1608
55°	1654	1641	1660	1658	1667	1476
65°	1146	1134	1178	1171	1149	1130
75°	568	602	607	605	583	603
85°	90	132	136	137	127	121
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2949.8	2949.8	2949.8	2949.8	2949.8
2.5°	2980.8	2942.5	2949.8	2945.4	2936.6
5°	2973.4	2935.1	2943.9	2936.6	2942.5
7.5°	2961.6	2920.4	2935.1	2924.8	2930.7
10°	2938.1	2902.7	2917.4	2905.7	2910.1
12.5°	2913.0	2876.2	2896.8	2882.1	2888.0
15°	2880.6	2846.7	2867.4	2857.1	2854.1
17.5°	2845.3	2812.9	2833.5	2821.7	2817.3
20°	2802.6	2771.6	2790.8	2773.1	2768.7
22.5°	2755.4	2724.5	2746.6	2721.6	2723.0
25°	2703.9	2671.5	2693.6	2670.0	2668.5
27.5°	2645.0	2614.1	2637.6	2612.6	2615.5
30°	2580.2	2549.3	2572.8	2547.8	2550.7
32.5°	2509.5	2484.5	2505.1	2481.5	2497.7
35°	2437.3	2410.8	2432.9	2406.4	2419.7
37.5°	2359.3	2334.2	2357.8	2328.4	2340.1
40°	2275.3	2253.2	2273.9	2247.4	2257.7
42.5°	2178.1	2164.9	2185.5	2159.0	2167.8
45°	2083.9	2064.7	2089.8	2067.7	2070.6
47.5°	1989.6	1969.0	1992.6	1973.4	1972.0
50°	1876.2	1868.9	1891.0	1876.2	1874.8
52.5°	1768.7	1754.0	1777.6	1770.2	1774.6
55°	1653.9	1640.6	1659.7	1658.3	1667.1
57.5°	1534.6	1521.3	1546.3	1543.4	1550.8
60°	1407.9	1397.6	1430.0	1422.6	1428.5
62.5°	1284.2	1265.1	1306.3	1300.4	1297.5
65°	1145.8	1134.0	1178.2	1170.8	1148.7
67.5°	1002.9	998.5	1044.2	1029.4	992.6
70°	860.1	863.0	907.2	879.2	848.3
72.5°	709.8	731.9	758.4	737.8	715.7
75°	568.5	602.3	606.8	605.3	583.2
77.5°	430.0	472.7	462.4	472.7	455.1
80°	300.4	347.6	340.2	349.0	334.3
82.5°	185.6	228.3	229.7	235.6	222.4
85°	89.8	132.5	135.5	137.0	126.7
87.5°	19.1	61.9	63.3	58.9	51.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)