

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-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-LD5-96SL-UNV-L930-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
OPEN LED STIP  
Light Source: -  
Ballast/Driver: -

**Summary**

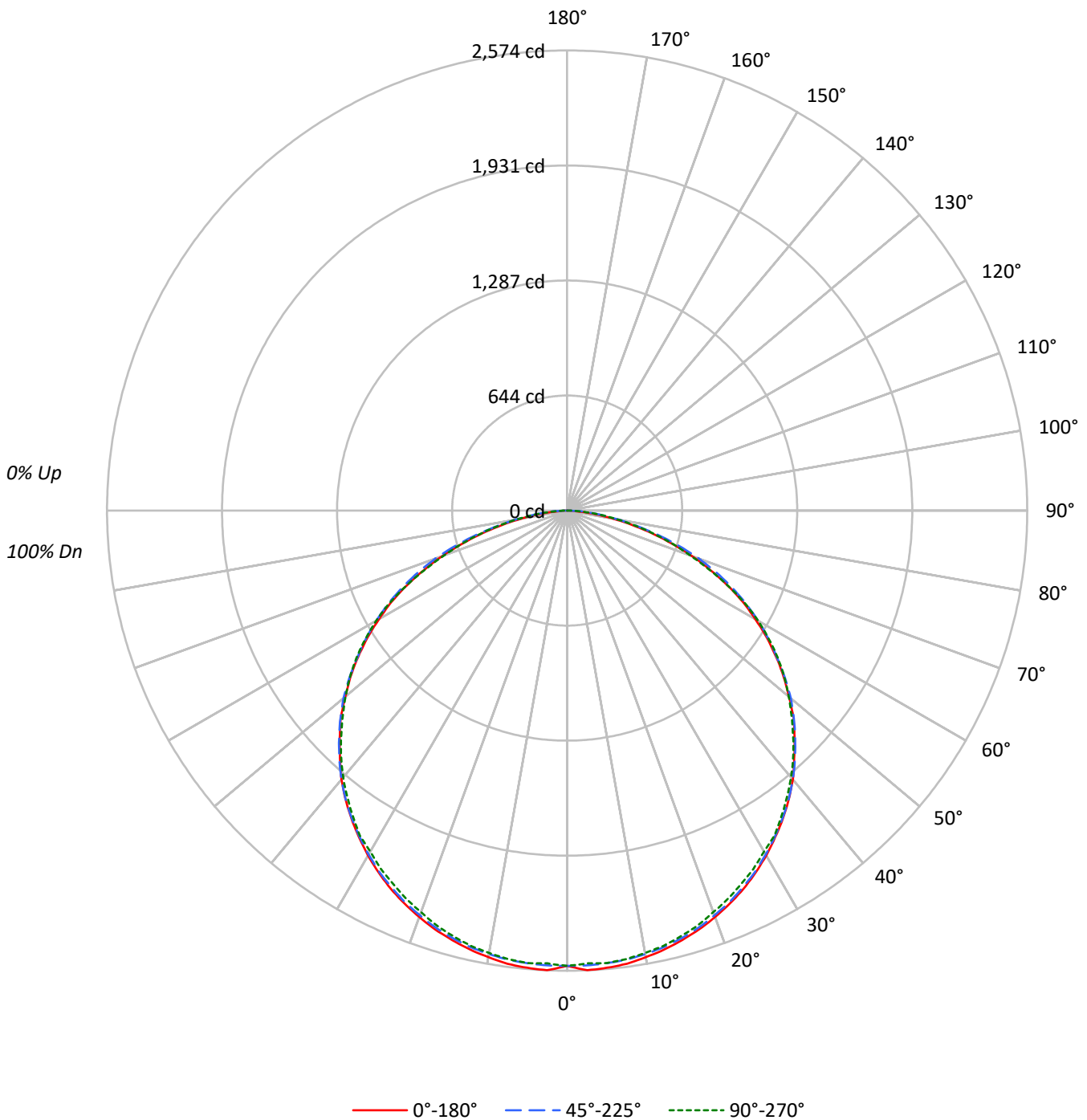
Lumens per Lamp: N/A  
Luminaire Lumens: 7640.0 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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	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°	10290	10290	10290
5°	10398	10066	9976
10°	10379	9854	9668
15°	10360	9641	9366
20°	10345	9413	9043
25°	10332	9184	8742
30°	10301	8937	8444
35°	10267	8680	8160
40°	10228	8405	7818
45°	10123	8077	7427
50°	9996	7719	7030
55°	9839	7237	6601
60°	9564	6746	6040
65°	9151	6105	5253
70°	8412	5258	4259
75°	7240	4025	3274
80°	5544	2661	2146
85°	3052	1304	958



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	241.7	3.2
10°-20°	697.1	9.1
20°-30°	1067.1	14.0
30°-40°	1307.4	17.1
40°-50°	1382.8	18.1
50°-60°	1276.4	16.7
60°-70°	985.2	12.9
70°-80°	546.8	7.2
80°-90°	135.5	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°	2005.9	26.3
0°-40°	3313.3	43.4
0°-60°	5972.5	78.2
0°-90°	7640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7640.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2547	2547	2547	2547	2547	
5°	2567	2534	2542	2535	2540	244
15°	2487	2458	2476	2467	2464	702
25°	2334	2306	2326	2305	2304	1076
35°	2104	2081	2100	2078	2089	1317
45°	1799	1783	1804	1785	1788	1388
55°	1428	1416	1433	1432	1439	1274
65°	989	979	1017	1011	992	975
75°	491	520	524	523	504	521
85°	78	114	117	118	109	104
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2546.8	2546.8	2546.8	2546.8	2546.8
2.5°	2573.5	2540.5	2546.8	2543.0	2535.4
5°	2567.2	2534.1	2541.7	2535.4	2540.5
7.5°	2557.0	2521.4	2534.1	2525.2	2530.3
10°	2536.6	2506.1	2518.8	2508.7	2512.5
12.5°	2515.0	2483.2	2501.0	2488.3	2493.4
15°	2487.1	2457.8	2475.6	2466.7	2464.2
17.5°	2456.5	2428.6	2446.4	2436.2	2432.4
20°	2419.7	2393.0	2409.5	2394.2	2390.4
22.5°	2379.0	2352.3	2371.3	2349.7	2351.0
25°	2334.5	2306.5	2325.6	2305.2	2304.0
27.5°	2283.6	2256.9	2277.3	2255.6	2258.2
30°	2227.7	2201.0	2221.3	2199.7	2202.2
32.5°	2166.6	2145.0	2162.8	2142.5	2156.5
35°	2104.3	2081.4	2100.5	2077.6	2089.1
37.5°	2036.9	2015.3	2035.7	2010.2	2020.4
40°	1964.5	1945.4	1963.2	1940.3	1949.2
42.5°	1880.5	1869.1	1886.9	1864.0	1871.6
45°	1799.2	1782.6	1804.3	1785.2	1787.7
47.5°	1717.8	1700.0	1720.3	1703.8	1702.5
50°	1619.9	1613.5	1632.6	1619.9	1618.6
52.5°	1527.1	1514.4	1534.7	1528.3	1532.2
55°	1427.9	1416.5	1433.0	1431.7	1439.3
57.5°	1324.9	1313.5	1335.1	1332.5	1338.9
60°	1215.6	1206.7	1234.6	1228.3	1233.4
62.5°	1108.7	1092.2	1127.8	1122.7	1120.2
65°	989.2	979.1	1017.2	1010.8	991.8
67.5°	865.9	862.1	901.5	888.8	857.0
70°	742.6	745.1	783.2	759.1	732.4
72.5°	612.9	631.9	654.8	637.0	617.9
75°	490.8	520.0	523.9	522.6	503.5
77.5°	371.3	408.2	399.3	408.2	392.9
80°	259.4	300.1	293.7	301.3	288.6
82.5°	160.2	197.1	198.4	203.4	192.0
85°	77.6	114.4	117.0	118.2	109.3
87.5°	16.5	53.4	54.7	50.9	44.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)