

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: P218511

Luminaire Tested: **8TSNLED-LD5-120HL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218511  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-120HL-RM-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11116.0 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

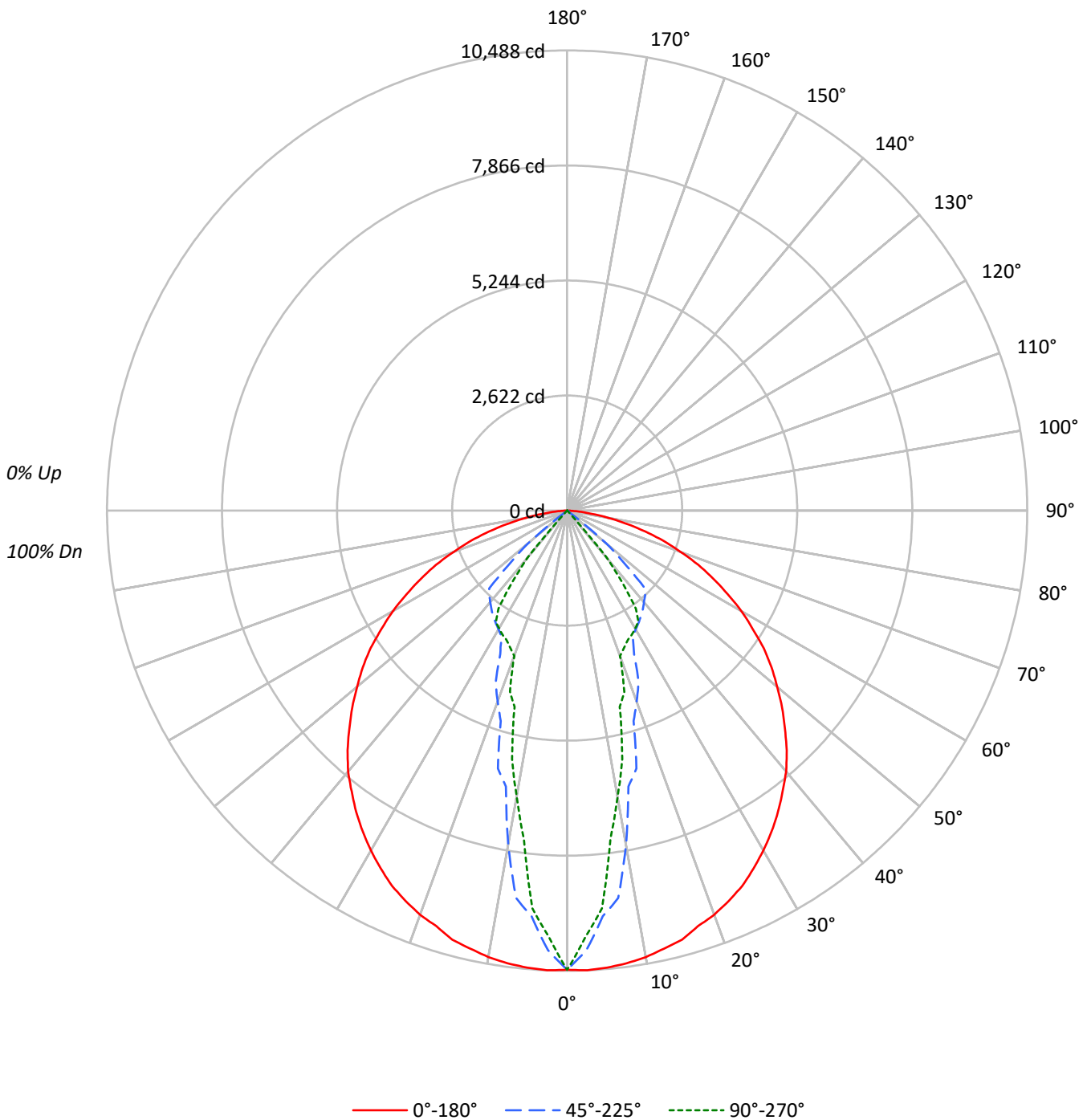
Input Watts (W): 85.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89				89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70				70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36				36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	84325	84325	84325
5°	84406	70626	67688
10°	84216	56071	46036
15°	83962	42546	30467
20°	83391	31410	22156
25°	83111	24013	19772
30°	82234	20533	18284
35°	81250	19166	15789
40°	80249	17842	7927
45°	78316	16603	31
50°	76420	7892	0
55°	74604	260	0
60°	71356	193	0
65°	67058	80	0
70°	61287	43	0
75°	53066	46	36
80°	39229	49	38
85°	20450	54	40



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	863.8	7.8
10°-20°	1862.0	16.8
20°-30°	2221.4	20.0
30°-40°	2363.6	21.3
40°-50°	1726.9	15.5
50°-60°	1103.0	9.9
60°-70°	664.1	6.0
70°-80°	258.8	2.3
80°-90°	52.5	0.5
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°	4947.1	44.5
0°-40°	7310.7	65.8
0°-60°	10140.6	91.2
0°-90°	11116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11116.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10466	10466	10466	10466	10466	
5°	10456	9945	9284	9118	9102	994
15°	10122	8634	6087	4744	4631	2851
25°	9440	6018	3610	3288	3261	4344
35°	8382	3976	2934	2934	2729	5243
45°	7017	2574	2509	11	5	5420
55°	5470	2031	38	5	0	4869
65°	3675	827	11	5	0	3636
75°	1838	43	5	5	5	1941
85°	274	5	5	5	5	381
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	10466.3	10466.3	10466.3	10466.3	10466.3
2.5°	10487.8	10417.9	10031.1	9869.9	9714.1
5°	10455.5	9945.1	9284.2	9117.7	9101.6
7.5°	10407.2	9466.9	8908.1	7951.8	7548.8
10°	10331.9	9155.3	7726.1	6920.2	6619.3
12.5°	10224.5	8693.2	6442.0	5980.0	5802.7
15°	10122.4	8634.1	6087.4	4744.2	4631.4
17.5°	9929.0	7430.6	5029.0	4459.4	4330.5
20°	9800.0	6882.6	4626.0	3868.4	3524.6
22.5°	9628.1	6560.2	4255.3	3519.2	3384.9
25°	9440.1	6017.6	3610.5	3288.2	3261.3
27.5°	9198.3	5292.2	3234.4	3202.2	3191.5
30°	8945.8	4491.7	3127.0	3116.2	3100.1
32.5°	8671.7	4174.7	3030.3	3030.3	3014.2
35°	8381.6	3975.9	2933.6	2933.6	2729.4
37.5°	8070.0	3723.4	2836.9	2836.9	2052.4
40°	7763.7	3191.5	2724.0	1891.2	1386.2
42.5°	7409.1	2756.3	2627.3	1321.7	10.7
45°	7016.9	2573.6	2509.1	10.7	5.4
47.5°	6646.2	2444.6	1708.6	5.4	0.0
50°	6248.6	2304.9	1171.3	5.4	0.0
52.5°	5872.5	2176.0	53.7	5.4	0.0
55°	5469.5	2030.9	37.6	5.4	0.0
57.5°	5012.8	1891.2	32.2	5.4	0.0
60°	4588.4	1740.8	26.9	5.4	0.0
62.5°	4121.0	1477.5	16.1	5.4	0.0
65°	3675.0	827.4	10.7	5.4	0.0
67.5°	3234.4	134.3	10.7	5.4	0.0
70°	2750.9	91.3	5.4	5.4	0.0
72.5°	2304.9	69.8	5.4	5.4	5.4
75°	1837.5	43.0	5.4	5.4	5.4
77.5°	1375.4	26.9	5.4	5.4	5.4
80°	945.6	16.1	5.4	5.4	5.4
82.5°	569.5	5.4	5.4	5.4	5.4
85°	274.0	5.4	5.4	5.4	5.4
87.5°	86.0	5.4	5.4	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)