

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: P218272

Luminaire Tested: **8TSNLED-LD5-130HL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218272  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8TSNLED-LD5-130HL-LN-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11494.0 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')  
CIE Type: Direct

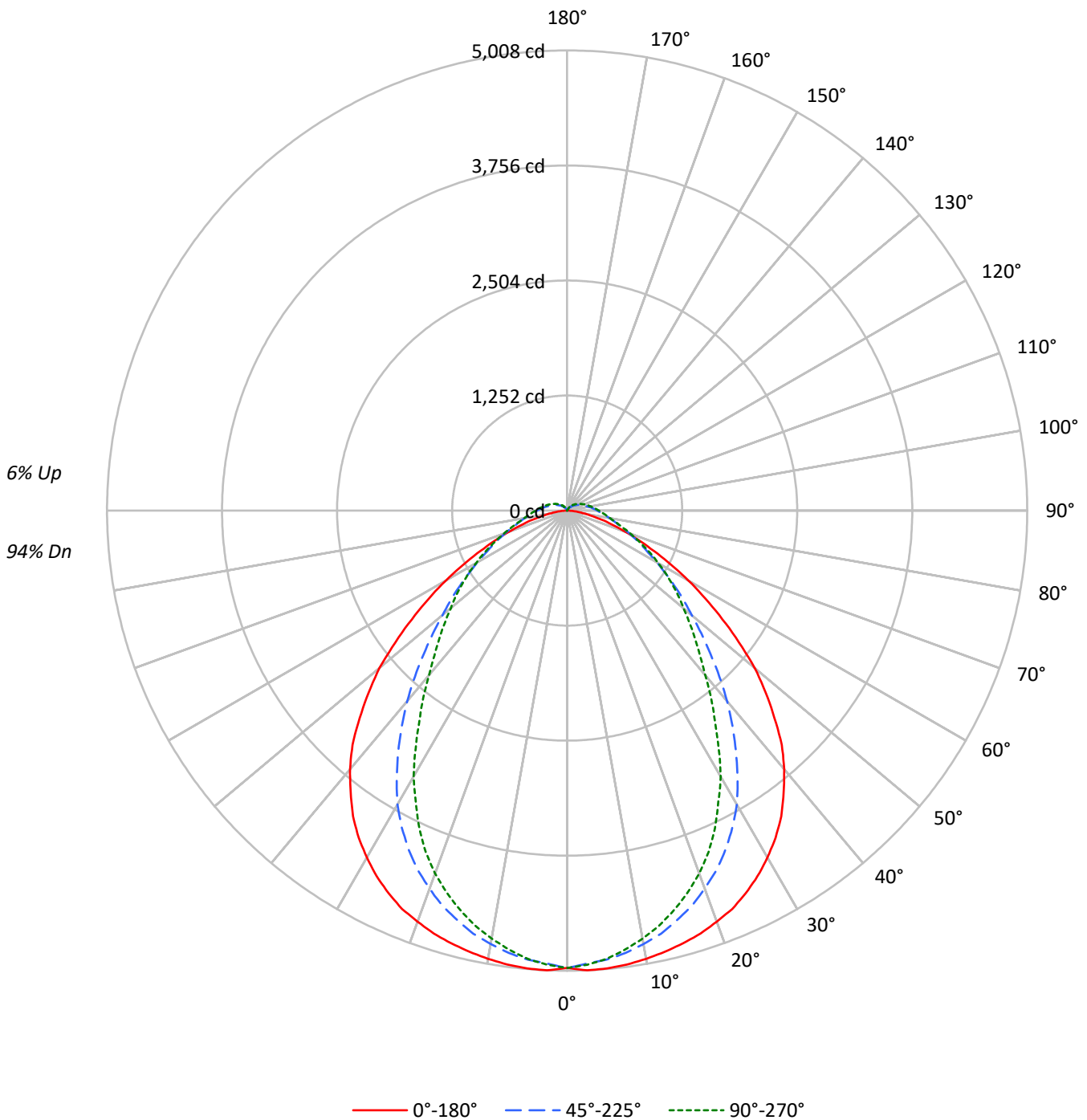
Input Watts (W): 85.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

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

	0°	45°	90°
0°	40105	40105	40105
5°	40380	37314	36434
10°	40377	34763	32893
15°	40435	32251	29599
20°	40502	29728	26417
25°	40466	27106	23093
30°	40080	24257	19715
35°	39390	20929	16220
40°	37994	17730	13368
45°	35618	14586	11212
50°	32587	11914	9454
55°	28167	9843	8057
60°	23731	8066	6750
65°	19006	6705	5581
70°	14976	5643	4606
75°	11543	4797	3824
80°	8289	4247	3285
85°	5426	3873	2973



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	468.0	4.1
10°-20°	1313.4	11.4
20°-30°	1901.9	16.5
30°-40°	2070.0	18.0
40°-50°	1838.4	16.0
50°-60°	1399.3	12.2
60°-70°	929.1	8.1
70°-80°	566.1	4.9
80°-90°	350.8	3.1
90°-100°	239.6	2.1
100°-110°	168.1	1.5
110°-120°	114.5	1.0
120°-130°	72.6	0.6
130°-140°	41.3	0.4
140°-150°	19.4	0.2
150°-160°	1.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3683.3	32.0
0°-40°	5753.3	50.1
0°-60°	8991.0	78.2
0°-90°	10837.0	94.3
90°-120°	522.3	4.5
90°-150°	655.6	5.7
90°-180°	657.0	5.7
0°-180°	11494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4978	4978	4978	4978	4978	
5°	5002	4972	4905	4929	4899	476
15°	4875	4790	4614	4560	4499	1377
25°	4596	4390	4076	3912	3809	2116
35°	4063	3700	3204	2925	2804	2531
45°	3191	2713	2204	2016	1968	2458
55°	2065	1677	1423	1399	1393	1852
65°	1042	896	896	933	920	1050
75°	400	454	569	600	581	432
85°	73	230	388	412	400	86
90°	0	170	327	357	345	5
95°	0	133	279	309	303	0
105°	0	85	200	230	230	0
115°	0	54	145	176	170	0
125°	0	36	97	121	121	0
135°	0	24	67	85	85	0
145°	0	12	36	48	48	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4977.8	4977.8	4977.8	4977.8	4977.8
2.5°	5008.1	4983.8	4935.4	4965.7	4947.5
5°	5002.0	4971.7	4905.1	4929.3	4899.0
7.5°	4983.8	4947.5	4856.7	4868.8	4820.3
10°	4953.5	4905.1	4790.0	4777.9	4729.5
12.5°	4917.2	4856.7	4717.4	4675.0	4626.5
15°	4874.8	4790.0	4614.4	4559.9	4499.4
17.5°	4826.4	4711.3	4511.5	4426.7	4360.1
20°	4759.8	4620.5	4378.3	4275.3	4202.6
22.5°	4693.2	4511.5	4239.0	4099.7	4021.0
25°	4596.3	4390.4	4075.5	3912.0	3809.0
27.5°	4487.3	4251.1	3893.8	3681.9	3566.8
30°	4360.1	4087.6	3694.0	3445.7	3342.7
32.5°	4220.8	3905.9	3451.7	3185.3	3070.2
35°	4063.4	3700.0	3203.5	2924.9	2803.8
37.5°	3869.6	3476.0	2955.2	2670.6	2573.7
40°	3675.8	3239.8	2706.9	2440.4	2337.5
42.5°	3457.8	2979.4	2452.6	2210.3	2137.7
45°	3191.3	2712.9	2204.3	2016.5	1968.1
47.5°	2931.0	2440.4	1980.2	1847.0	1804.6
50°	2664.5	2174.0	1768.3	1683.5	1653.2
52.5°	2355.7	1913.6	1592.6	1538.1	1526.0
55°	2065.0	1677.4	1423.1	1398.9	1392.8
57.5°	1786.4	1453.4	1265.6	1283.8	1271.7
60°	1526.0	1247.5	1126.4	1150.6	1144.5
62.5°	1271.7	1059.7	999.2	1047.6	1035.5
65°	1041.6	896.2	896.2	932.6	920.5
67.5°	841.7	763.0	799.4	835.7	823.6
70°	672.2	641.9	714.6	744.8	732.7
72.5°	520.8	539.0	629.8	666.1	648.0
75°	399.7	454.2	569.2	599.5	581.3
77.5°	284.6	381.5	514.7	539.0	520.8
80°	199.8	321.0	466.3	490.5	472.3
82.5°	127.2	272.5	423.9	448.1	436.0
85°	72.7	230.1	387.6	411.8	399.7
87.5°	36.3	199.8	351.2	381.5	369.4
90°	0.0	169.6	327.0	357.3	345.2
92.5°	0.0	151.4	302.8	333.1	321.0
95°	0.0	133.2	278.6	308.8	302.8
97.5°	0.0	121.1	260.4	290.7	278.6
100°	0.0	102.9	236.2	266.5	260.4
102.5°	0.0	96.9	218.0	248.3	242.2
105°	0.0	84.8	199.8	230.1	230.1
107.5°	0.0	78.7	187.7	218.0	211.9
110°	0.0	66.6	169.6	199.8	199.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	60.6	157.4	187.7	181.7
115°	0.0	54.5	145.3	175.6	169.6
117.5°	0.0	54.5	133.2	157.4	157.4
120°	0.0	48.4	121.1	145.3	145.3
122.5°	0.0	42.4	109.0	133.2	133.2
125°	0.0	36.3	96.9	121.1	121.1
127.5°	0.0	36.3	90.8	115.1	115.1
130°	0.0	30.3	78.7	102.9	102.9
132.5°	0.0	24.2	72.7	90.8	90.8
135°	0.0	24.2	66.6	84.8	84.8
137.5°	0.0	18.2	54.5	72.7	72.7
140°	0.0	18.2	48.4	66.6	66.6
142.5°	0.0	12.1	42.4	60.6	54.5
145°	0.0	12.1	36.3	48.4	48.4
147.5°	0.0	6.1	30.3	42.4	42.4
150°	0.0	6.1	24.2	36.3	30.3
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)