

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: P218515

Luminaire Tested: **8TSNLED-LD5-160HL-RM-UNV-L835-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218515  
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-LD5-160HL-RM-UNV-L835-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14456.0 lumens  
Efficiency: N/A  
Efficacy: 117.0 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

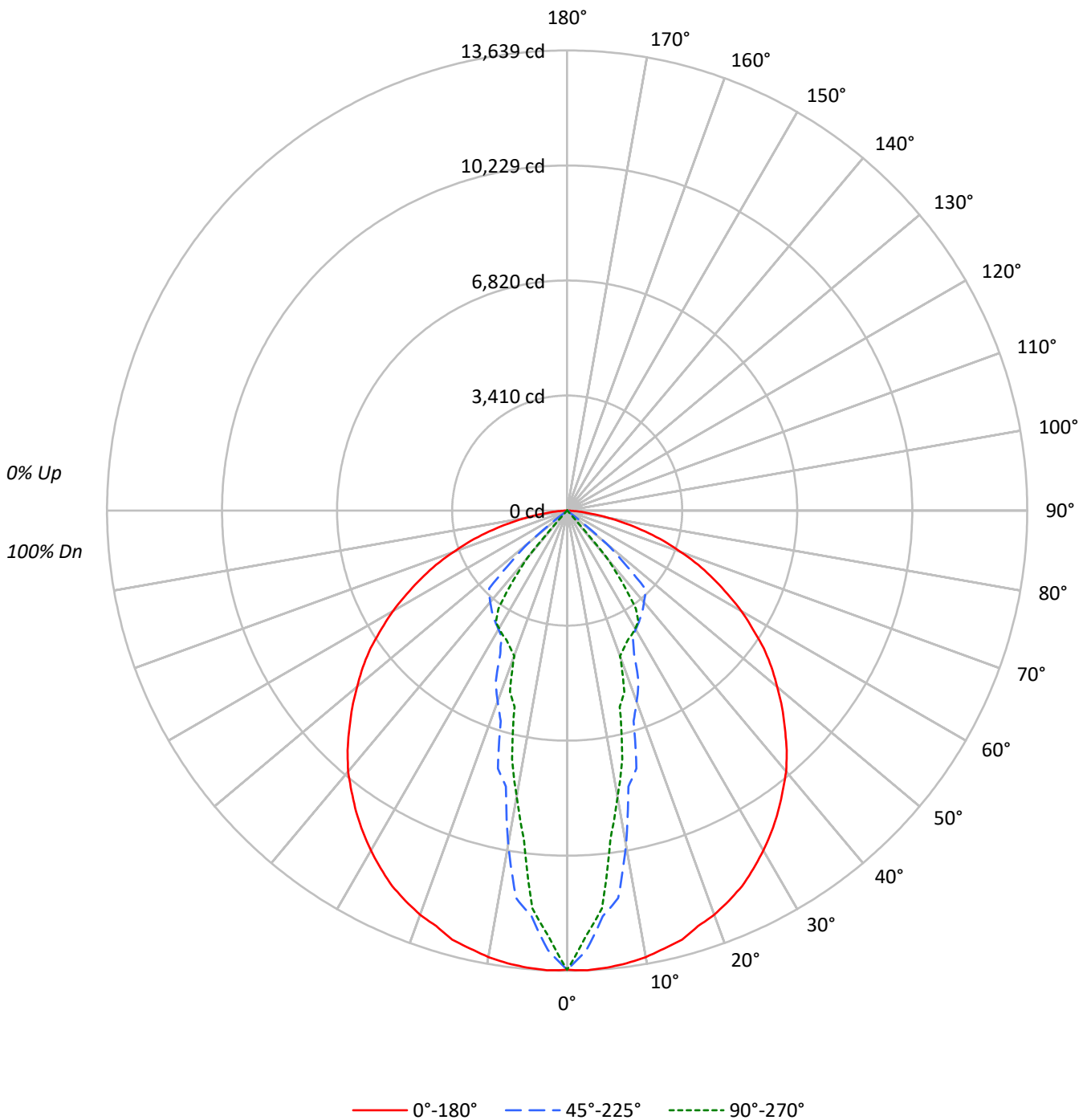
Input Watts (W): 123.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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

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

	0°	45°	90°
0°	109661	109661	109661
5°	109767	91848	88026
10°	109522	72919	59868
15°	109190	55330	39622
20°	108447	40848	28812
25°	108083	31229	25713
30°	106942	26703	23778
35°	105663	24924	20534
40°	104361	23203	10309
45°	101848	21592	40
50°	99382	10263	0
55°	97021	338	0
60°	92797	250	0
65°	87207	105	0
70°	79700	55	0
75°	69010	59	46
80°	51015	64	49
85°	26592	70	52



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1123.3	7.8
10°-20°	2421.5	16.8
20°-30°	2888.8	20.0
30°-40°	3073.8	21.3
40°-50°	2245.8	15.5
50°-60°	1434.4	9.9
60°-70°	863.6	6.0
70°-80°	336.6	2.3
80°-90°	68.3	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°	6433.6	44.5
0°-40°	9507.4	65.8
0°-60°	13187.5	91.2
0°-90°	14456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14456.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13611	13611	13611	13611	13611	
5°	13597	12933	12074	11857	11836	###
15°	13164	11228	7916	6170	6023	3707
25°	12276	7826	4695	4276	4241	5649
35°	10900	5170	3815	3815	3550	6819
45°	9125	3347	3263	14	7	7049
55°	7113	2641	49	7	0	6332
65°	4779	1076	14	7	0	4729
75°	2390	56	7	7	7	2524
85°	356	7	7	7	7	496
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13611.0	13611.0	13611.0	13611.0	13611.0
2.5°	13639.0	13548.2	13045.1	12835.5	12632.8
5°	13597.1	12933.3	12073.9	11857.3	11836.3
7.5°	13534.2	12311.4	11584.8	10341.0	9817.0
10°	13436.4	11906.2	10047.6	8999.5	8608.2
12.5°	13296.6	11305.3	8377.6	7776.7	7546.2
15°	13163.9	11228.4	7916.5	6169.7	6023.0
17.5°	12912.3	9663.3	6540.0	5799.4	5631.7
20°	12744.6	8950.6	6016.0	5030.8	4583.6
22.5°	12521.0	8531.4	5533.9	4576.6	4401.9
25°	12276.5	7825.7	4695.4	4276.2	4241.2
27.5°	11962.1	6882.4	4206.3	4164.4	4150.4
30°	11633.7	5841.3	4066.5	4052.6	4031.6
32.5°	11277.3	5429.0	3940.8	3940.8	3919.8
35°	10900.0	5170.5	3815.0	3815.0	3549.5
37.5°	10494.8	4842.1	3689.2	3689.2	2669.1
40°	10096.5	4150.4	3542.5	2459.5	1802.7
42.5°	9635.3	3584.4	3416.7	1718.8	14.0
45°	9125.3	3346.9	3263.0	14.0	7.0
47.5°	8643.2	3179.2	2221.9	7.0	0.0
50°	8126.1	2997.5	1523.2	7.0	0.0
52.5°	7637.0	2829.8	69.9	7.0	0.0
55°	7113.0	2641.2	48.9	7.0	0.0
57.5°	6519.0	2459.5	41.9	7.0	0.0
60°	5967.1	2263.8	34.9	7.0	0.0
62.5°	5359.2	1921.5	21.0	7.0	0.0
65°	4779.2	1076.0	14.0	7.0	0.0
67.5°	4206.3	174.7	14.0	7.0	0.0
70°	3577.4	118.8	7.0	7.0	0.0
72.5°	2997.5	90.8	7.0	7.0	7.0
75°	2389.6	55.9	7.0	7.0	7.0
77.5°	1788.7	34.9	7.0	7.0	7.0
80°	1229.7	21.0	7.0	7.0	7.0
82.5°	740.6	7.0	7.0	7.0	7.0
85°	356.3	7.0	7.0	7.0	7.0
87.5°	111.8	7.0	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)