

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: P218036

Luminaire Tested: **8TSNLED-LD5-170HL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-170HL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16776.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

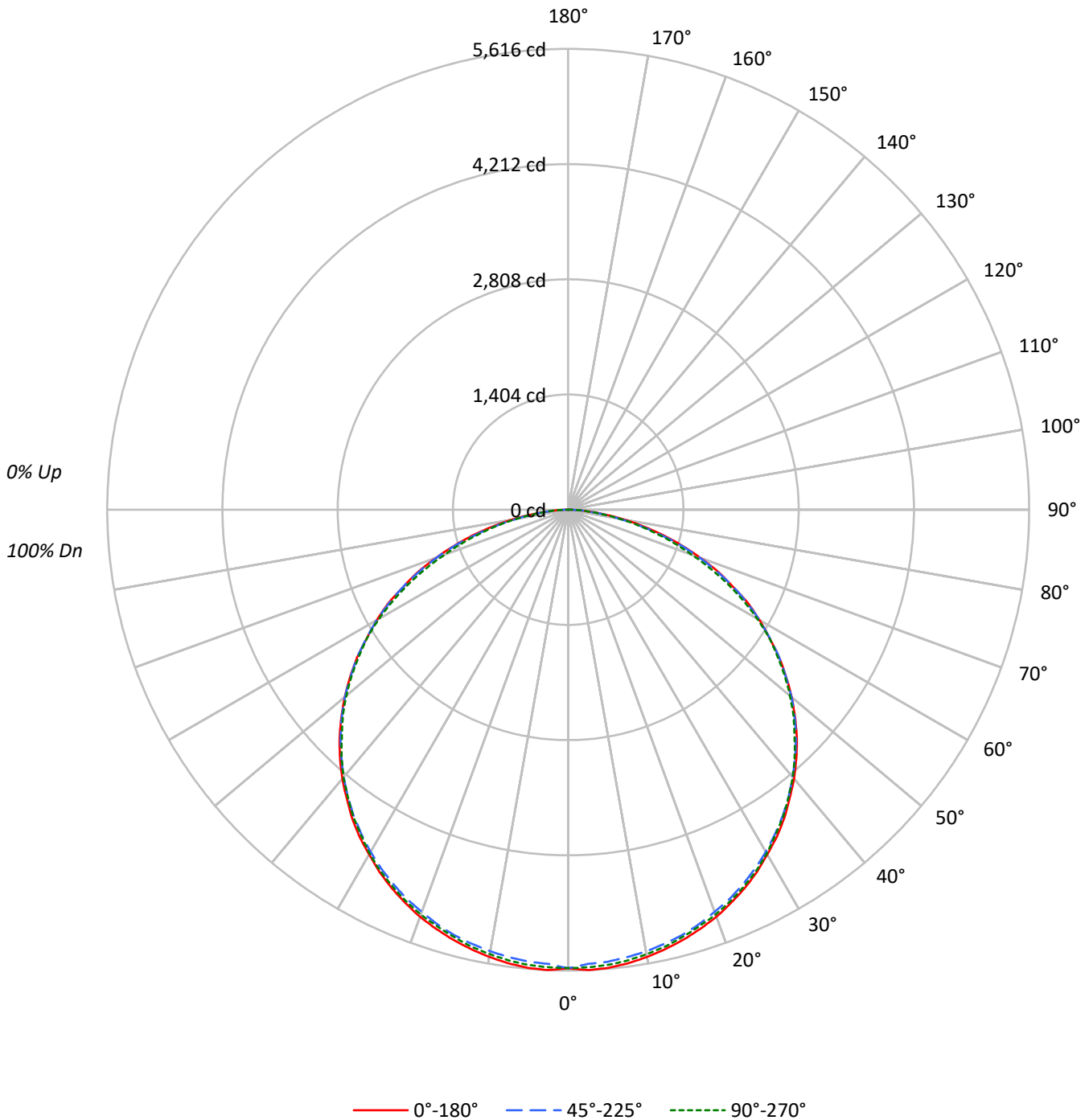
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	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	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45014	45014	45014
5°	45244	42061	41422
10°	45116	39664	38252
15°	44996	37508	35457
20°	44925	35415	33005
25°	44797	33493	30707
30°	44586	31621	28539
35°	44487	29755	26414
40°	44257	27855	24353
45°	43968	25953	22212
50°	43496	23924	20173
55°	42813	21709	17990
60°	41864	19276	15706
65°	40335	16582	13015
70°	38130	13423	10066
75°	34684	9681	7213
80°	28642	5760	4479
85°	19054	2493	1812



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	529.5	3.2
10°-20°	1524.3	9.1
20°-30°	2335.4	13.9
30°-40°	2858.5	17.0
40°-50°	3025.0	18.0
50°-60°	2797.7	16.7
60°-70°	2172.5	12.9
70°-80°	1223.7	7.3
80°-90°	309.5	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°	4389.2	26.2
0°-40°	7247.7	43.2
0°-60°	13070.4	77.9
0°-90°	16776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5587	5587	5587	5587	5587	
5°	5604	5581	5529	5581	5570	533
15°	5425	5407	5367	5413	5390	1532
25°	5088	5071	5036	5077	5065	2345
35°	4589	4572	4554	4566	4566	2869
45°	3939	3934	3922	3916	3899	3036
55°	3139	3150	3139	3127	3110	2800
65°	2210	2228	2216	2187	2147	2193
75°	1201	1201	1149	1120	1096	1265
85°	255	255	250	250	244	318
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5587.1	5587.1	5587.1	5587.1	5587.1
2.5°	5616.1	5592.9	5540.7	5592.9	5581.3
5°	5604.5	5581.3	5529.1	5581.3	5569.7
7.5°	5575.5	5558.1	5500.1	5552.3	5540.7
10°	5534.9	5517.5	5465.3	5517.5	5500.1
12.5°	5482.7	5465.3	5418.9	5465.3	5453.7
15°	5424.7	5407.3	5366.6	5413.1	5389.9
17.5°	5355.0	5343.4	5297.0	5343.4	5320.2
20°	5279.6	5256.4	5215.8	5262.2	5250.6
22.5°	5186.8	5175.2	5134.6	5175.2	5163.6
25°	5088.2	5070.8	5035.9	5076.6	5065.0
27.5°	4977.9	4966.3	4931.5	4960.5	4960.5
30°	4850.3	4844.5	4815.5	4844.5	4838.7
32.5°	4728.4	4716.8	4687.8	4711.0	4699.4
35°	4589.2	4571.8	4554.4	4566.0	4566.0
37.5°	4432.6	4426.8	4409.3	4426.8	4409.3
40°	4281.7	4270.1	4252.7	4258.5	4258.5
42.5°	4113.5	4107.7	4090.3	4090.3	4084.5
45°	3939.4	3933.6	3922.0	3916.2	3898.8
47.5°	3747.9	3742.1	3742.1	3736.3	3724.7
50°	3556.5	3556.5	3550.7	3533.3	3527.5
52.5°	3347.6	3359.2	3341.8	3330.2	3324.4
55°	3138.8	3150.4	3138.8	3127.2	3109.8
57.5°	2906.7	2929.9	2912.5	2906.7	2900.9
60°	2692.0	2703.6	2692.0	2674.6	2663.0
62.5°	2471.6	2471.6	2454.2	2442.5	2407.7
65°	2210.5	2227.9	2216.3	2187.3	2146.7
67.5°	1978.4	1966.8	1955.2	1920.4	1874.0
70°	1711.5	1717.3	1699.9	1647.7	1601.3
72.5°	1456.2	1467.8	1433.0	1363.4	1351.8
75°	1201.0	1201.0	1148.8	1119.7	1096.5
77.5°	939.9	945.7	876.1	870.3	864.5
80°	690.4	702.0	632.4	649.8	644.0
82.5°	469.9	458.3	429.3	429.3	423.5
85°	255.3	255.3	249.5	249.5	243.7
87.5°	98.6	104.4	116.0	127.6	121.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)