

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: P218037

Luminaire Tested: **8TSNLED-LD5-170HL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218037
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17112.0 lumens
Efficiency: N/A
Efficacy: 138.4 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

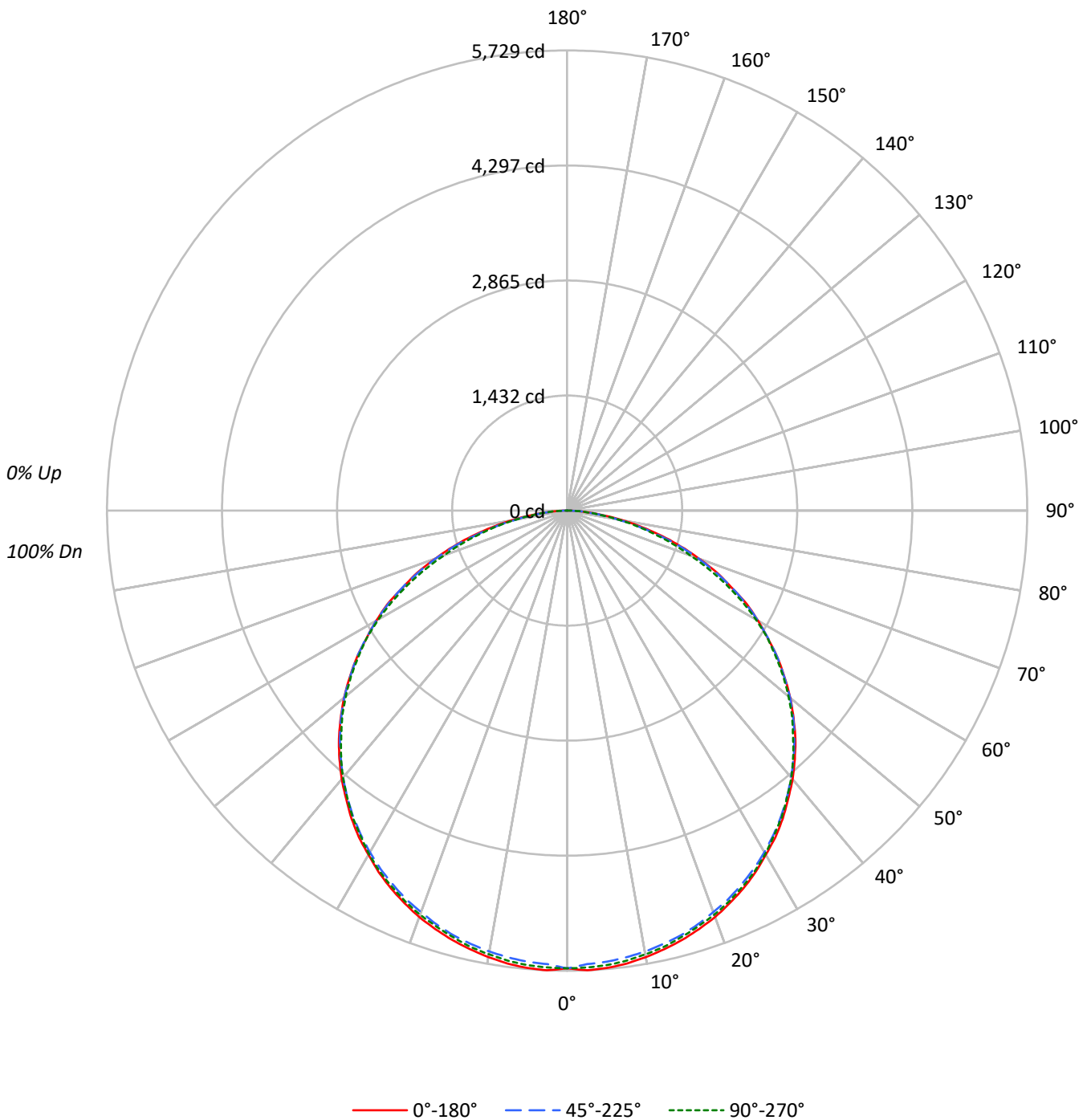
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45916	45916	45916
5°	46151	42903	42252
10°	46020	40458	39018
15°	45897	38259	36167
20°	45826	36124	33666
25°	45694	34165	31322
30°	45479	32254	29110
35°	45378	30351	26943
40°	45144	28413	24841
45°	44849	26473	22657
50°	44367	24403	20577
55°	43670	22143	18350
60°	42702	19662	16021
65°	41142	16914	13275
70°	38894	13692	10268
75°	35377	9875	7358
80°	29214	5876	4569
85°	19435	2543	1849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.1	3.2
10°-20°	1554.8	9.1
20°-30°	2382.2	13.9
30°-40°	2915.7	17.0
40°-50°	3085.6	18.0
50°-60°	2853.8	16.7
60°-70°	2216.0	12.9
70°-80°	1248.2	7.3
80°-90°	315.7	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°	4477.1	26.2
0°-40°	7392.8	43.2
0°-60°	13332.1	77.9
0°-90°	17112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5699	5699	5699	5699	5699	
5°	5717	5693	5640	5693	5681	543
15°	5533	5516	5474	5522	5498	1563
25°	5190	5172	5137	5178	5166	2392
35°	4681	4663	4646	4657	4657	2927
45°	4018	4012	4001	3995	3977	3097
55°	3202	3214	3202	3190	3172	2856
65°	2255	2272	2261	2231	2190	2237
75°	1225	1225	1172	1142	1118	1290
85°	260	260	254	254	249	324
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5699.0	5699.0	5699.0	5699.0	5699.0
2.5°	5728.6	5704.9	5651.7	5704.9	5693.1
5°	5716.8	5693.1	5639.8	5693.1	5681.3
7.5°	5687.2	5669.4	5610.2	5663.5	5651.7
10°	5645.8	5628.0	5574.7	5628.0	5610.2
12.5°	5592.5	5574.7	5527.4	5574.7	5562.9
15°	5533.3	5515.6	5474.1	5521.5	5497.8
17.5°	5462.3	5450.5	5403.1	5450.5	5426.8
20°	5385.4	5361.7	5320.3	5367.6	5355.8
22.5°	5290.7	5278.8	5237.4	5278.8	5267.0
25°	5190.1	5172.3	5136.8	5178.2	5166.4
27.5°	5077.6	5065.8	5030.3	5059.9	5059.9
30°	4947.4	4941.5	4911.9	4941.5	4935.6
32.5°	4823.2	4811.3	4781.7	4805.4	4793.6
35°	4681.1	4663.4	4645.6	4657.4	4657.4
37.5°	4521.3	4515.4	4497.7	4515.4	4497.7
40°	4367.5	4355.6	4337.9	4343.8	4343.8
42.5°	4195.8	4189.9	4172.2	4172.2	4166.3
45°	4018.3	4012.4	4000.6	3994.6	3976.9
47.5°	3823.0	3817.1	3817.1	3811.2	3799.3
50°	3627.7	3627.7	3621.8	3604.0	3598.1
52.5°	3414.7	3426.5	3408.8	3396.9	3391.0
55°	3201.6	3213.5	3201.6	3189.8	3172.0
57.5°	2964.9	2988.6	2970.8	2964.9	2959.0
60°	2745.9	2757.8	2745.9	2728.2	2716.4
62.5°	2521.1	2521.1	2503.3	2491.5	2456.0
65°	2254.7	2272.5	2260.7	2231.1	2189.7
67.5°	2018.0	2006.2	1994.4	1958.9	1911.5
70°	1745.8	1751.7	1734.0	1680.7	1633.4
72.5°	1485.4	1497.2	1461.7	1390.7	1378.9
75°	1225.0	1225.0	1171.8	1142.2	1118.5
77.5°	958.7	964.6	893.6	887.7	881.8
80°	704.2	716.1	645.1	662.8	656.9
82.5°	479.4	467.5	437.9	437.9	432.0
85°	260.4	260.4	254.5	254.5	248.6
87.5°	100.6	106.5	118.4	130.2	124.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)