

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: P218538

Luminaire Tested: **8TSNLED-LD5-86SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-86SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9417.0 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

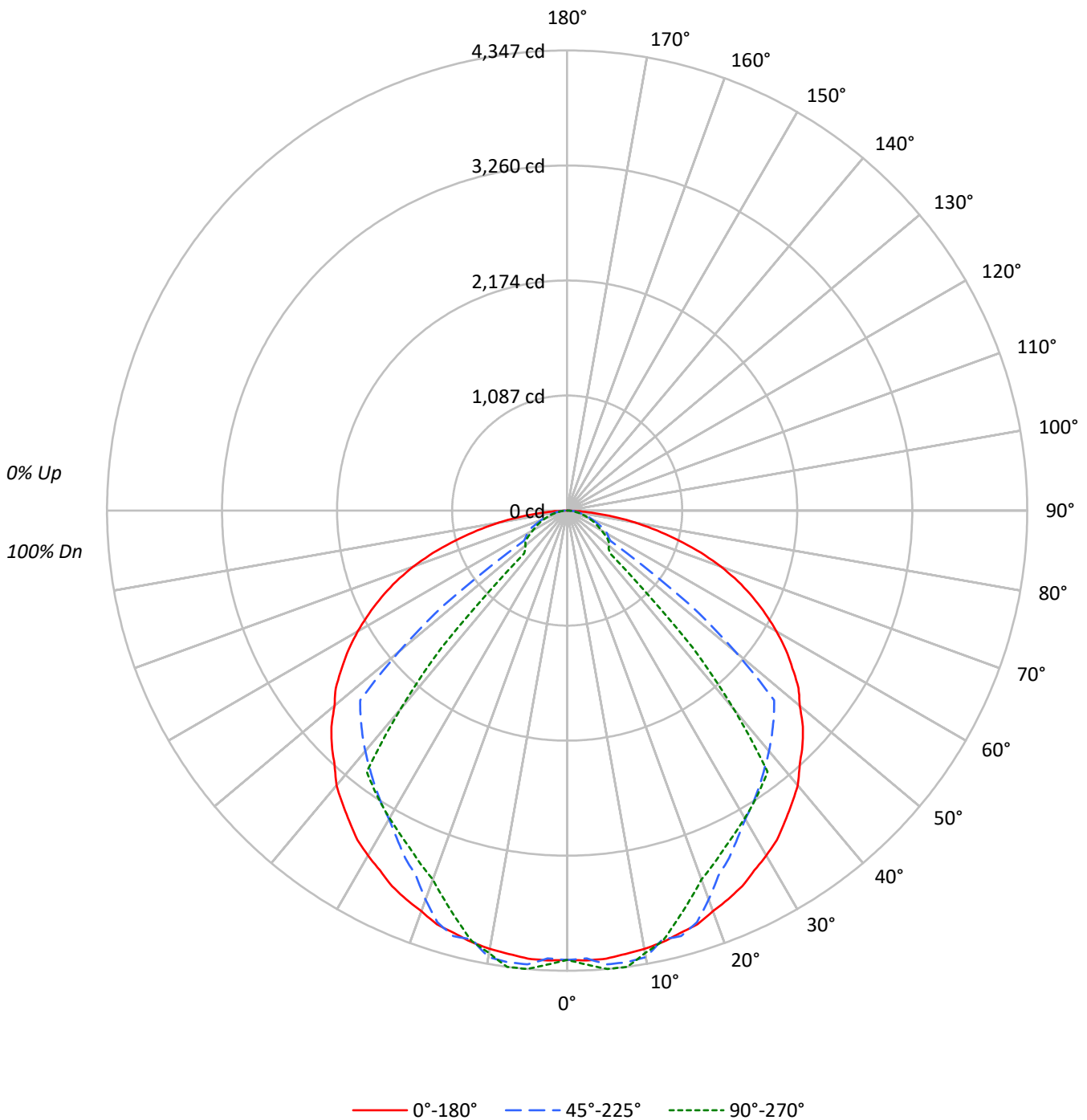
Input Watts (W): 69.18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34192	34192	34192
5°	34300	32732	32328
10°	34272	31085	29515
15°	34264	29078	26367
20°	34273	26548	23312
25°	34466	24076	21322
30°	34587	22094	19787
35°	34759	20699	18470
40°	35032	19432	14073
45°	35086	18267	3274
50°	35082	13999	2949
55°	35442	3431	2699
60°	35519	3131	2202
65°	35314	2646	1816
70°	34361	2055	1420
75°	31490	1531	1034
80°	26899	1029	649
85°	17233	589	292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.7	4.4
10°-20°	1161.4	12.3
20°-30°	1710.5	18.2
30°-40°	2058.8	21.9
40°-50°	1763.3	18.7
50°-60°	1141.0	12.1
60°-70°	758.4	8.1
70°-80°	323.5	3.4
80°-90°	90.4	1.0
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°	3281.5	34.8
0°-40°	5340.3	56.7
0°-60°	8244.6	87.5
0°-90°	9417.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9417.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4244	4244	4244	4244	4244	
5°	4249	4264	4303	4352	4347	404
15°	4131	4244	4160	4072	4008	1168
25°	3915	3939	3620	3542	3517	1803
35°	3586	3448	3168	3193	3193	2247
45°	3144	2795	2760	1685	575	2424
55°	2598	2205	496	472	467	2323
65°	1935	1390	354	304	300	1908
75°	1090	255	182	162	157	1155
85°	231	69	59	44	39	295
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4243.9	4243.9	4243.9	4243.9	4243.9
2.5°	4253.7	4238.9	4234.0	4288.1	4293.0
5°	4248.8	4263.5	4302.8	4351.9	4347.0
7.5°	4224.2	4273.3	4302.8	4376.5	4347.0
10°	4204.6	4293.0	4283.2	4288.1	4243.9
12.5°	4175.1	4258.6	4150.5	4224.2	4165.3
15°	4130.9	4243.9	4160.4	4071.9	4008.1
17.5°	4096.5	4214.4	4076.9	3865.6	3855.8
20°	4027.7	4091.6	3909.9	3757.6	3708.5
22.5°	3973.7	4047.4	3733.0	3629.9	3615.1
25°	3914.8	3939.3	3620.0	3541.5	3516.9
27.5°	3831.3	3880.4	3487.4	3448.1	3433.4
30°	3762.5	3762.5	3364.6	3364.6	3354.8
32.5°	3688.8	3605.3	3271.3	3276.2	3276.2
35°	3585.7	3448.1	3168.2	3192.7	3192.7
37.5°	3487.4	3256.6	3065.0	3104.3	3109.2
40°	3389.2	3109.2	2966.8	3011.0	2460.8
42.5°	3251.7	2947.1	2863.6	2318.4	1753.5
45°	3143.6	2794.9	2760.5	1684.8	574.7
47.5°	3020.8	2647.5	2652.4	535.4	530.5
50°	2868.5	2495.2	2077.7	505.9	515.7
52.5°	2755.6	2357.7	1463.7	491.2	496.1
55°	2598.4	2205.4	496.1	471.5	466.6
57.5°	2451.0	2063.0	461.7	437.2	417.5
60°	2284.0	1910.7	437.2	388.0	373.3
62.5°	2112.1	1758.5	402.8	343.8	334.0
65°	1935.3	1390.1	353.7	304.5	299.6
67.5°	1748.6	913.6	299.6	270.2	265.2
70°	1542.3	358.6	260.3	235.8	225.9
72.5°	1326.2	309.4	221.0	201.4	191.6
75°	1090.4	255.4	181.7	162.1	157.2
77.5°	869.4	191.6	147.4	127.7	122.8
80°	648.4	142.4	113.0	98.2	93.3
82.5°	442.1	103.1	83.5	68.8	63.9
85°	230.9	68.8	58.9	44.2	39.3
87.5°	88.4	44.2	34.4	19.6	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)