

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: P218540

Luminaire Tested: **8TSNLED-LD5-93SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218540
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-LD5-93SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9486.0 lumens
Efficiency: N/A
Efficacy: 122.6 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

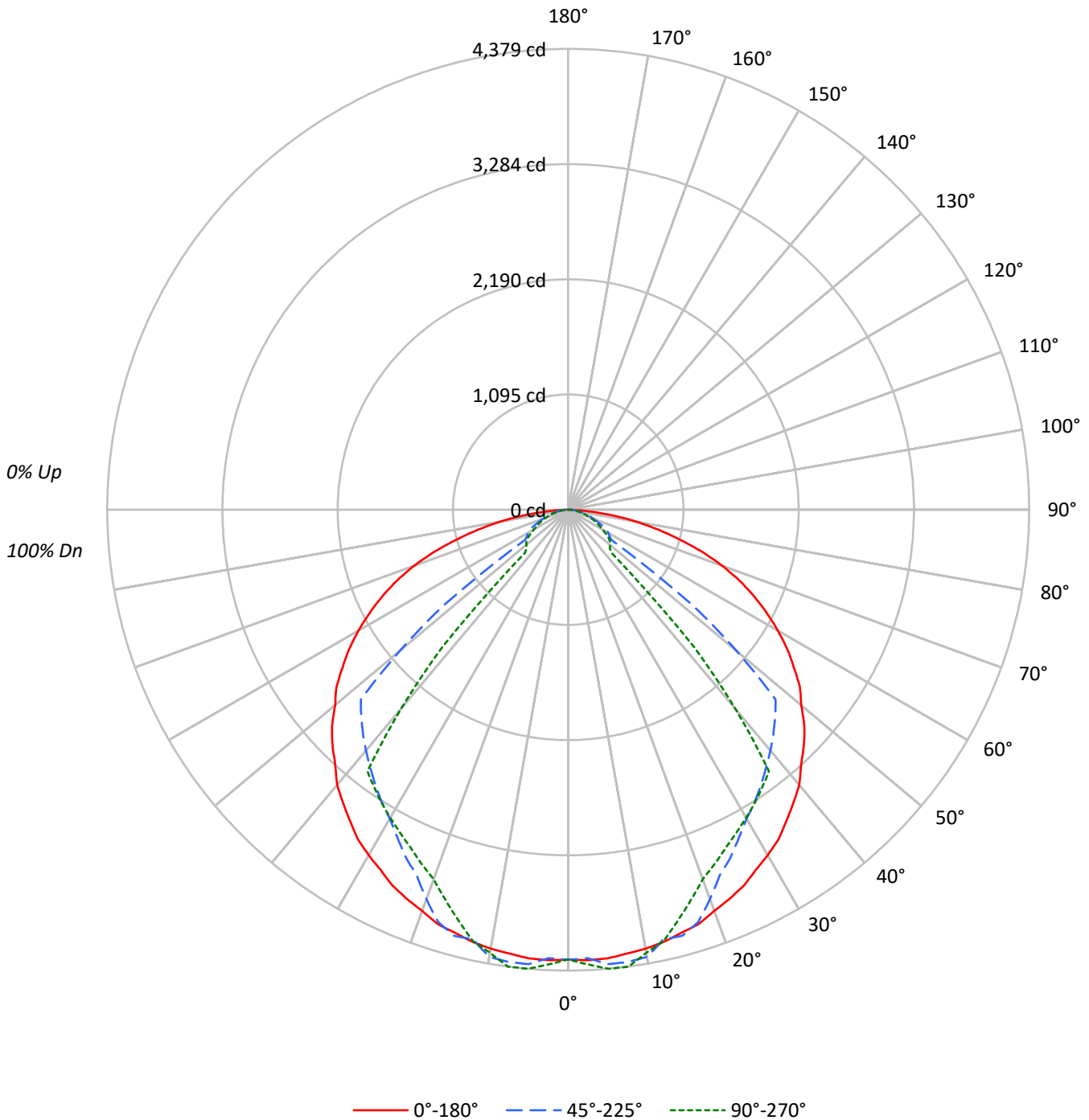
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	34443	34443	34443
5°	34551	32972	32566
10°	34523	31312	29732
15°	34516	29290	26560
20°	34524	26742	23482
25°	34718	24253	21478
30°	34840	22256	19932
35°	35013	20850	18605
40°	35288	19575	14176
45°	35343	18401	3298
50°	35340	14101	2971
55°	35701	3456	2719
60°	35781	3154	2218
65°	35573	2665	1830
70°	34612	2070	1431
75°	31721	1543	1041
80°	27094	1037	654
85°	17352	594	295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.7	4.4
10°-20°	1169.9	12.3
20°-30°	1723.0	18.2
30°-40°	2073.9	21.9
40°-50°	1776.2	18.7
50°-60°	1149.3	12.1
60°-70°	764.0	8.1
70°-80°	325.9	3.4
80°-90°	91.1	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°	3305.6	34.8
0°-40°	5379.4	56.7
0°-60°	8305.0	87.5
0°-90°	9486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4275	4275	4275	4275	4275	
5°	4280	4295	4334	4384	4379	407
15°	4161	4275	4191	4102	4038	1177
25°	3943	3968	3647	3567	3543	1816
35°	3612	3473	3191	3216	3216	2263
45°	3167	2815	2781	1697	579	2441
55°	2617	2222	500	475	470	2340
65°	1950	1400	356	307	302	1922
75°	1098	257	183	163	158	1164
85°	232	69	59	44	40	297
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4275.0	4275.0	4275.0	4275.0	4275.0
2.5°	4284.8	4270.0	4265.1	4319.5	4324.4
5°	4279.9	4294.7	4334.3	4383.8	4378.9
7.5°	4255.2	4304.6	4334.3	4408.5	4378.9
10°	4235.4	4324.4	4314.5	4319.5	4275.0
12.5°	4205.7	4289.8	4180.9	4255.2	4195.8
15°	4161.2	4275.0	4190.8	4101.8	4037.5
17.5°	4126.5	4245.3	4106.7	3894.0	3884.1
20°	4057.2	4121.6	3938.5	3785.1	3735.6
22.5°	4002.8	4077.0	3760.4	3656.5	3641.6
25°	3943.4	3968.2	3646.6	3567.4	3542.7
27.5°	3859.3	3908.8	3513.0	3473.4	3458.6
30°	3790.1	3790.1	3389.3	3389.3	3379.4
32.5°	3715.8	3631.7	3295.3	3300.2	3300.2
35°	3611.9	3473.4	3191.4	3216.1	3216.1
37.5°	3513.0	3280.4	3087.5	3127.0	3132.0
40°	3414.0	3132.0	2988.5	3033.0	2478.9
42.5°	3275.5	2968.7	2884.6	2335.4	1766.4
45°	3166.6	2815.3	2780.7	1697.1	578.9
47.5°	3042.9	2666.9	2671.8	539.3	534.4
50°	2889.6	2513.5	2092.9	509.6	519.5
52.5°	2775.8	2375.0	1474.5	494.8	499.7
55°	2617.4	2221.6	499.7	475.0	470.0
57.5°	2469.0	2078.1	465.1	440.4	420.6
60°	2300.8	1924.7	440.4	390.9	376.0
62.5°	2127.6	1771.3	405.7	346.4	336.5
65°	1949.5	1400.2	356.2	306.8	301.8
67.5°	1761.4	920.3	301.8	272.1	267.2
70°	1553.6	361.2	262.2	237.5	227.6
72.5°	1335.9	311.7	222.7	202.9	193.0
75°	1098.4	257.3	183.1	163.3	158.3
77.5°	875.8	193.0	148.4	128.6	123.7
80°	653.1	143.5	113.8	99.0	94.0
82.5°	445.3	103.9	84.1	69.3	64.3
85°	232.5	69.3	59.4	44.5	39.6
87.5°	89.1	44.5	34.6	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)