

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: P218544

Luminaire Tested: **8TSNLED-LD5-101SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218544
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-LD5-101SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10248.0 lumens
Efficiency: N/A
Efficacy: 119.7 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

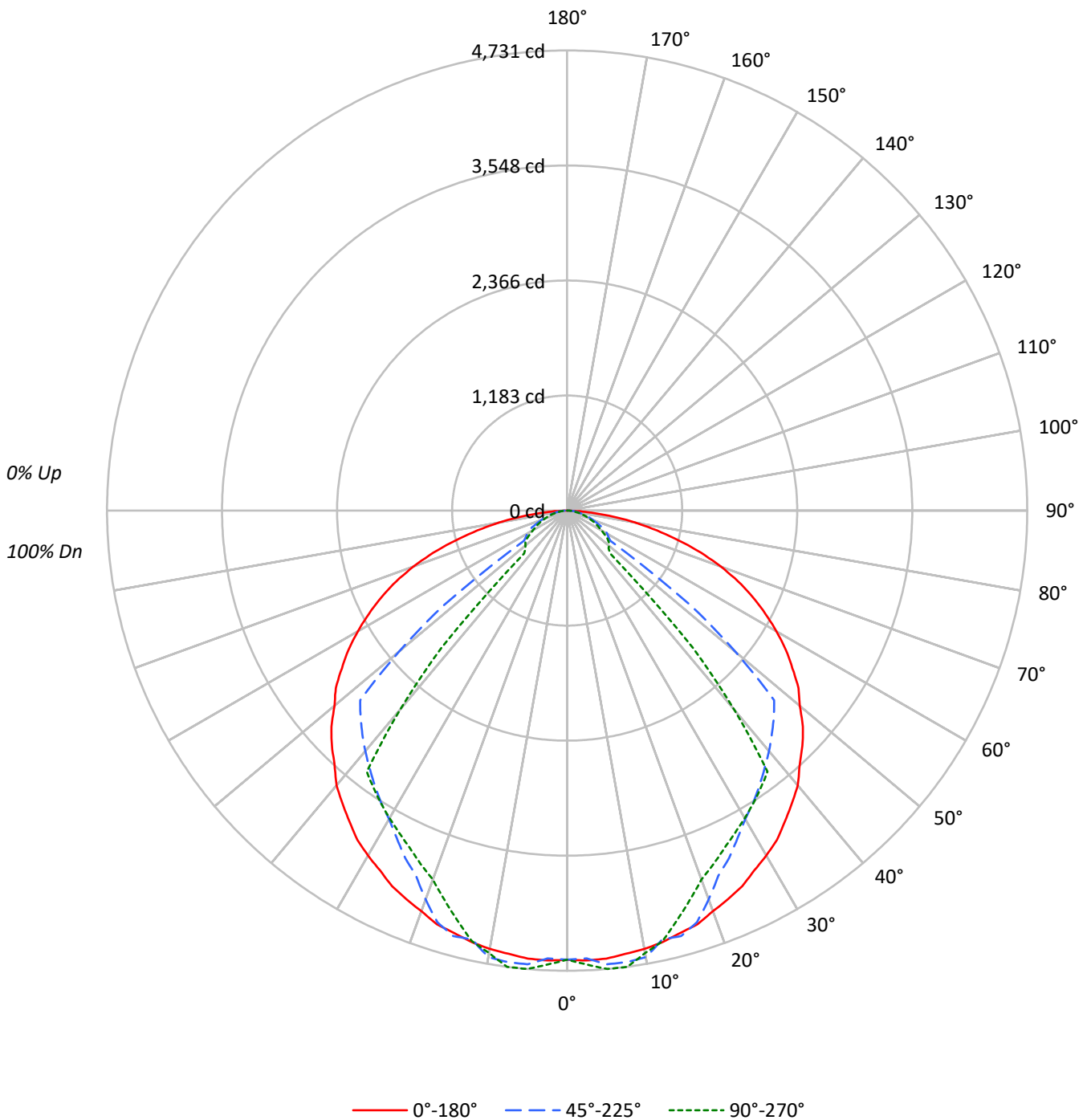
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218544

CATALOG NUMBER: 8TSNLED-LD5-101SL-RW-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218544

CATALOG NUMBER: 8TSNLED-LD5-101SL-RW-UNV-L830-CD1-U

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°	37210	37210	37210
5°	37326	35621	35181
10°	37296	33827	32120
15°	37288	31643	28694
20°	37298	28890	25368
25°	37507	26201	23203
30°	37638	24043	21533
35°	37826	22525	20100
40°	38124	21147	15315
45°	38182	19879	3563
50°	38178	15235	3210
55°	38570	3734	2938
60°	38654	3406	2396
65°	38430	2880	1977
70°	37393	2237	1546
75°	34271	1667	1126
80°	29272	1119	707
85°	18748	641	318



TEST NUMBER: P218544

CATALOG NUMBER: 8TSNLED-LD5-101SL-RW-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.8	4.4
10°-20°	1263.9	12.3
20°-30°	1861.4	18.2
30°-40°	2240.5	21.9
40°-50°	1918.9	18.7
50°-60°	1241.7	12.1
60°-70°	825.4	8.1
70°-80°	352.1	3.4
80°-90°	98.4	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°	3571.1	34.8
0°-40°	5811.6	56.7
0°-60°	8972.1	87.5
0°-90°	10248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10248.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4618	4618	4618	4618	4618	
5°	4624	4640	4682	4736	4731	439
15°	4495	4618	4528	4431	4362	1271
25°	4260	4287	3940	3854	3827	1962
35°	3902	3752	3448	3474	3474	2445
45°	3421	3042	3004	1833	625	2637
55°	2828	2400	540	513	508	2528
65°	2106	1513	385	331	326	2077
75°	1187	278	198	176	171	1257
85°	251	75	64	48	43	321
90°	0	0	0	0	0	



TEST NUMBER: P218544

CATALOG NUMBER: 8TSNLED-LD5-101SL-RW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4618.4	4618.4	4618.4	4618.4	4618.4
2.5°	4629.0	4613.0	4607.7	4666.5	4671.8
5°	4623.7	4639.7	4682.5	4736.0	4730.6
7.5°	4597.0	4650.4	4682.5	4762.7	4730.6
10°	4575.6	4671.8	4661.1	4666.5	4618.4
12.5°	4543.5	4634.4	4516.8	4597.0	4532.8
15°	4495.4	4618.4	4527.5	4431.3	4361.8
17.5°	4458.0	4586.3	4436.6	4206.8	4196.1
20°	4383.2	4452.7	4254.9	4089.2	4035.7
22.5°	4324.4	4404.5	4062.4	3950.2	3934.2
25°	4260.2	4286.9	3939.5	3854.0	3827.2
27.5°	4169.3	4222.8	3795.2	3752.4	3736.4
30°	4094.5	4094.5	3661.5	3661.5	3650.9
32.5°	4014.3	3923.5	3560.0	3565.3	3565.3
35°	3902.1	3752.4	3447.7	3474.5	3474.5
37.5°	3795.2	3543.9	3335.5	3378.2	3383.6
40°	3688.3	3383.6	3228.6	3276.7	2678.0
42.5°	3538.6	3207.2	3116.3	2523.0	1908.3
45°	3421.0	3041.5	3004.1	1833.4	625.4
47.5°	3287.4	2881.1	2886.5	582.6	577.3
50°	3121.7	2715.4	2261.1	550.6	561.3
52.5°	2998.7	2565.8	1592.9	534.5	539.9
55°	2827.7	2400.0	539.9	513.2	507.8
57.5°	2667.3	2245.0	502.5	475.7	454.4
60°	2485.6	2079.3	475.7	422.3	406.2
62.5°	2298.5	1913.6	438.3	374.2	363.5
65°	2106.1	1512.7	384.9	331.4	326.1
67.5°	1902.9	994.2	326.1	294.0	288.6
70°	1678.4	390.2	283.3	256.6	245.9
72.5°	1443.2	336.8	240.5	219.2	208.5
75°	1186.7	278.0	197.8	176.4	171.1
77.5°	946.1	208.5	160.4	139.0	133.6
80°	705.6	155.0	122.9	106.9	101.6
82.5°	481.1	112.3	90.9	74.8	69.5
85°	251.2	74.8	64.1	48.1	42.8
87.5°	96.2	48.1	37.4	21.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)