

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: P218256

Luminaire Tested: **8TSNLED-LD5-83SL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-83SL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8273.0 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

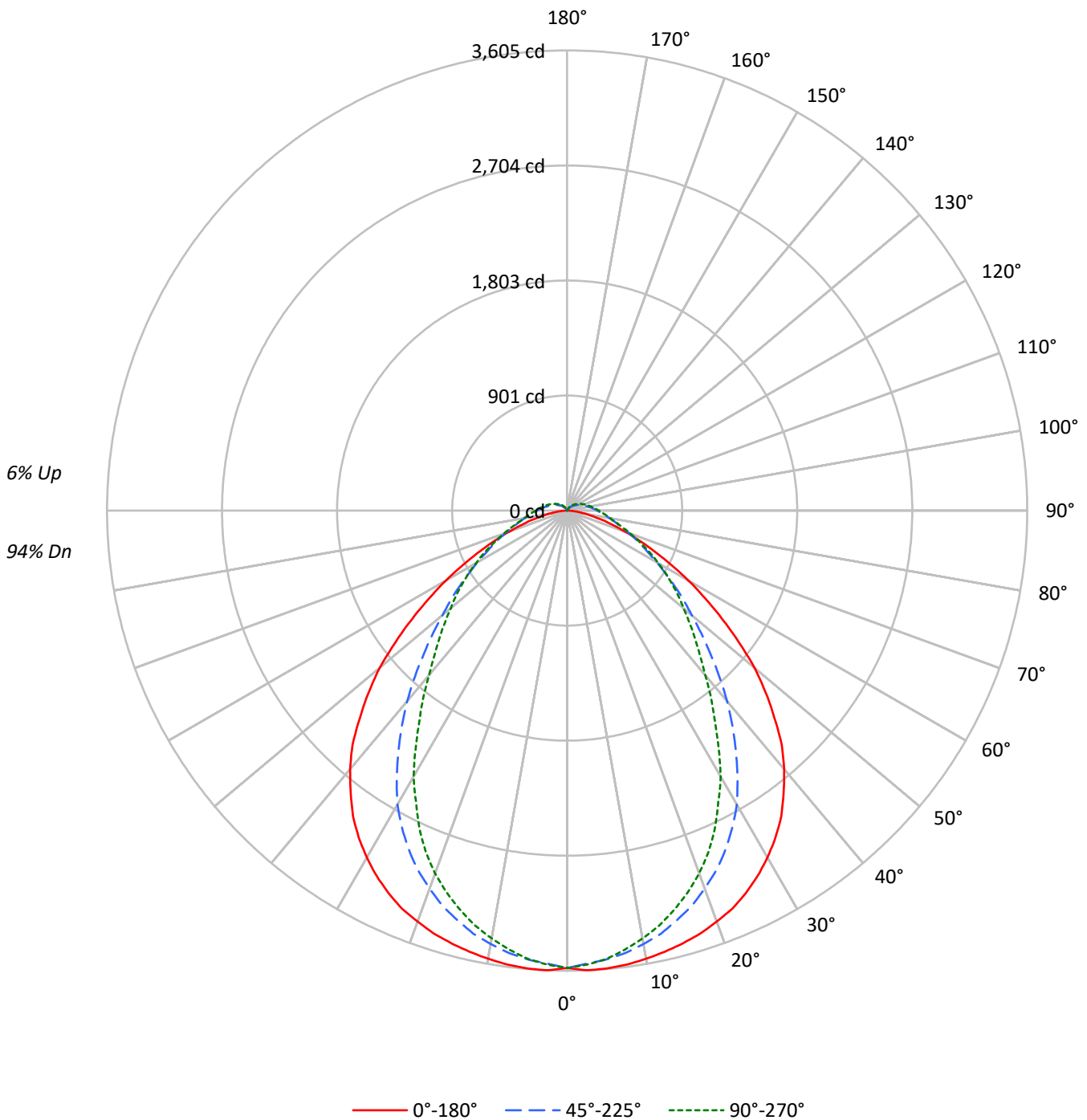
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28866	28866	28866
5°	29065	26857	26224
10°	29062	25021	23675
15°	29103	23213	21304
20°	29152	21397	19014
25°	29125	19510	16621
30°	28849	17459	14191
35°	28352	15064	11675
40°	27347	12761	9622
45°	25637	10499	8070
50°	23455	8575	6805
55°	20273	7084	5799
60°	17082	5805	4859
65°	13680	4827	4017
70°	10778	4061	3315
75°	8309	3452	2752
80°	5966	3057	2365
85°	3903	2788	2140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	4.1
10°-20°	945.3	11.4
20°-30°	1368.9	16.5
30°-40°	1489.9	18.0
40°-50°	1323.2	16.0
50°-60°	1007.2	12.2
60°-70°	668.7	8.1
70°-80°	407.5	4.9
80°-90°	252.5	3.1
90°-100°	172.5	2.1
100°-110°	121.0	1.5
110°-120°	82.4	1.0
120°-130°	52.3	0.6
130°-140°	29.7	0.4
140°-150°	14.0	0.2
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2651.1	32.0
0°-40°	4141.0	50.1
0°-60°	6471.4	78.2
0°-90°	7800.1	94.3
90°-120°	375.9	4.5
90°-150°	471.9	5.7
90°-180°	473.0	5.7
0°-180°	8273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3583	3583	3583	3583	3583	
5°	3600	3578	3530	3548	3526	342
15°	3509	3448	3321	3282	3238	991
25°	3308	3160	2933	2816	2742	1523
35°	2925	2663	2306	2105	2018	1822
45°	2297	1953	1587	1451	1417	1769
55°	1486	1207	1024	1007	1002	1333
65°	750	645	645	671	662	756
75°	288	327	410	432	418	311
85°	52	166	279	296	288	62
90°	0	122	235	257	248	4
95°	0	96	200	222	218	0
105°	0	61	144	166	166	0
115°	0	39	105	126	122	0
125°	0	26	70	87	87	0
135°	0	17	48	61	61	0
145°	0	9	26	35	35	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3582.8	3582.8	3582.8	3582.8	3582.8
2.5°	3604.6	3587.2	3552.3	3574.1	3561.0
5°	3600.3	3578.5	3530.5	3548.0	3526.2
7.5°	3587.2	3561.0	3495.7	3504.4	3469.5
10°	3565.4	3530.5	3447.7	3439.0	3404.1
12.5°	3539.2	3495.7	3395.4	3364.9	3330.0
15°	3508.7	3447.7	3321.3	3282.1	3238.5
17.5°	3473.9	3391.1	3247.2	3186.2	3138.3
20°	3425.9	3325.7	3151.3	3077.2	3024.9
22.5°	3378.0	3247.2	3051.1	2950.8	2894.2
25°	3308.2	3160.0	2933.4	2815.7	2741.6
27.5°	3229.8	3059.8	2802.6	2650.1	2567.3
30°	3138.3	2942.1	2658.8	2480.1	2406.0
32.5°	3038.0	2811.3	2484.4	2292.7	2209.9
35°	2924.7	2663.2	2305.7	2105.2	2018.1
37.5°	2785.2	2501.9	2127.0	1922.2	1852.4
40°	2645.7	2331.9	1948.3	1756.5	1682.5
42.5°	2488.8	2144.5	1765.3	1590.9	1538.6
45°	2297.0	1952.7	1586.6	1451.4	1416.6
47.5°	2109.6	1756.5	1425.3	1329.4	1298.9
50°	1917.8	1564.8	1272.7	1211.7	1189.9
52.5°	1695.5	1377.3	1146.3	1107.1	1098.4
55°	1486.3	1207.4	1024.3	1006.9	1002.5
57.5°	1285.8	1046.1	911.0	924.0	915.3
60°	1098.4	897.9	810.7	828.1	823.8
62.5°	915.3	762.8	719.2	754.1	745.3
65°	749.7	645.1	645.1	671.2	662.5
67.5°	605.9	549.2	575.3	601.5	592.8
70°	483.8	462.0	514.3	536.1	527.4
72.5°	374.8	387.9	453.3	479.5	466.4
75°	287.7	326.9	409.7	431.5	418.4
77.5°	204.9	274.6	370.5	387.9	374.8
80°	143.8	231.0	335.6	353.1	340.0
82.5°	91.5	196.1	305.1	322.5	313.8
85°	52.3	165.6	279.0	296.4	287.7
87.5°	26.2	143.8	252.8	274.6	265.9
90°	0.0	122.0	235.4	257.2	248.4
92.5°	0.0	109.0	217.9	239.7	231.0
95°	0.0	95.9	200.5	222.3	217.9
97.5°	0.0	87.2	187.4	209.2	200.5
100°	0.0	74.1	170.0	191.8	187.4
102.5°	0.0	69.7	156.9	178.7	174.3
105°	0.0	61.0	143.8	165.6	165.6
107.5°	0.0	56.7	135.1	156.9	152.6
110°	0.0	47.9	122.0	143.8	143.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	43.6	113.3	135.1	130.8
115°	0.0	39.2	104.6	126.4	122.0
117.5°	0.0	39.2	95.9	113.3	113.3
120°	0.0	34.9	87.2	104.6	104.6
122.5°	0.0	30.5	78.5	95.9	95.9
125°	0.0	26.2	69.7	87.2	87.2
127.5°	0.0	26.2	65.4	82.8	82.8
130°	0.0	21.8	56.7	74.1	74.1
132.5°	0.0	17.4	52.3	65.4	65.4
135°	0.0	17.4	47.9	61.0	61.0
137.5°	0.0	13.1	39.2	52.3	52.3
140°	0.0	13.1	34.9	47.9	47.9
142.5°	0.0	8.7	30.5	43.6	39.2
145°	0.0	8.7	26.2	34.9	34.9
147.5°	0.0	4.4	21.8	30.5	30.5
150°	0.0	4.4	17.4	26.2	21.8
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)