

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: P218534

Luminaire Tested: **8TSNLED-LD5-79SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218534
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-LD5-79SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8523.0 lumens
Efficiency: N/A
Efficacy: 139.4 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

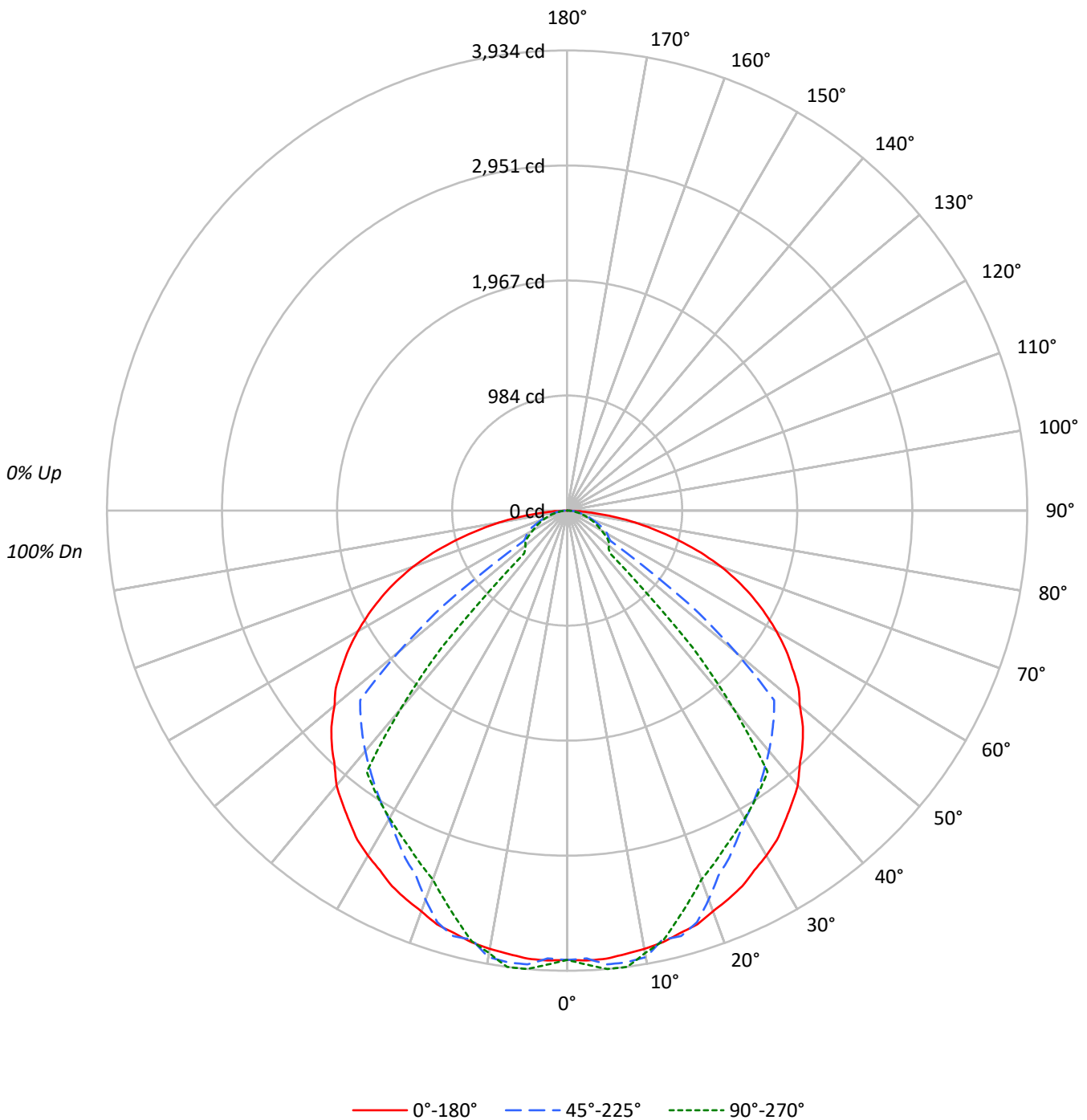
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30946	30946	30946
5°	31043	29625	29259
10°	31018	28133	26713
15°	31011	26317	23864
20°	31020	24027	21098
25°	31194	21791	19297
30°	31303	19996	17908
35°	31460	18734	16716
40°	31706	17587	12737
45°	31756	16533	2963
50°	31751	12670	2670
55°	32077	3105	2443
60°	32148	2833	1993
65°	31962	2395	1644
70°	31099	1860	1285
75°	28501	1386	936
80°	24344	931	588
85°	15591	533	265



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.8	4.4
10°-20°	1051.1	12.3
20°-30°	1548.1	18.2
30°-40°	1863.3	21.9
40°-50°	1595.9	18.7
50°-60°	1032.7	12.1
60°-70°	686.4	8.1
70°-80°	292.8	3.4
80°-90°	81.9	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°	2970.0	34.8
0°-40°	4833.3	56.7
0°-60°	7461.9	87.5
0°-90°	8523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3841	3841	3841	3841	3841	
5°	3845	3859	3894	3939	3934	365
15°	3739	3841	3765	3685	3628	1057
25°	3543	3565	3276	3205	3183	1632
35°	3245	3121	2867	2890	2890	2034
45°	2845	2530	2498	1525	520	2194
55°	2352	1996	449	427	422	2103
65°	1752	1258	320	276	271	1727
75°	987	231	164	147	142	1046
85°	209	62	53	40	36	267
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3841.0	3841.0	3841.0	3841.0	3841.0
2.5°	3849.9	3836.5	3832.1	3881.0	3885.4
5°	3845.4	3858.8	3894.3	3938.8	3934.3
7.5°	3823.2	3867.6	3894.3	3961.0	3934.3
10°	3805.4	3885.4	3876.5	3881.0	3841.0
12.5°	3778.7	3854.3	3756.5	3823.2	3769.8
15°	3738.7	3841.0	3765.4	3685.4	3627.6
17.5°	3707.6	3814.3	3689.8	3498.7	3489.8
20°	3645.4	3703.2	3538.7	3400.9	3356.4
22.5°	3596.5	3663.1	3378.6	3285.3	3271.9
25°	3543.1	3565.3	3276.4	3205.3	3183.0
27.5°	3467.5	3512.0	3156.4	3120.8	3107.4
30°	3405.3	3405.3	3045.2	3045.2	3036.3
32.5°	3338.6	3263.0	2960.7	2965.2	2965.2
35°	3245.3	3120.8	2867.4	2889.6	2889.6
37.5°	3156.4	2947.4	2774.0	2809.6	2814.0
40°	3067.4	2814.0	2685.1	2725.1	2227.2
42.5°	2943.0	2667.3	2591.8	2098.3	1587.1
45°	2845.2	2529.5	2498.4	1524.8	520.1
47.5°	2734.0	2396.2	2400.6	484.6	480.1
50°	2596.2	2258.3	1880.5	457.9	466.8
52.5°	2494.0	2133.9	1324.8	444.6	449.0
55°	2351.7	1996.1	449.0	426.8	422.3
57.5°	2218.3	1867.1	417.9	395.7	377.9
60°	2067.2	1729.3	395.7	351.2	337.9
62.5°	1911.6	1591.5	364.5	311.2	302.3
65°	1751.6	1258.1	320.1	275.6	271.2
67.5°	1582.6	826.9	271.2	244.5	240.1
70°	1395.9	324.5	235.6	213.4	204.5
72.5°	1200.3	280.1	200.1	182.3	173.4
75°	986.9	231.2	164.5	146.7	142.3
77.5°	786.9	173.4	133.4	115.6	111.1
80°	586.8	128.9	102.2	88.9	84.5
82.5°	400.1	93.4	75.6	62.2	57.8
85°	208.9	62.2	53.3	40.0	35.6
87.5°	80.0	40.0	31.1	17.8	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)