

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: P218028

Luminaire Tested: **8TSNLED-LD5-112SL-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-112SL-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11358.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

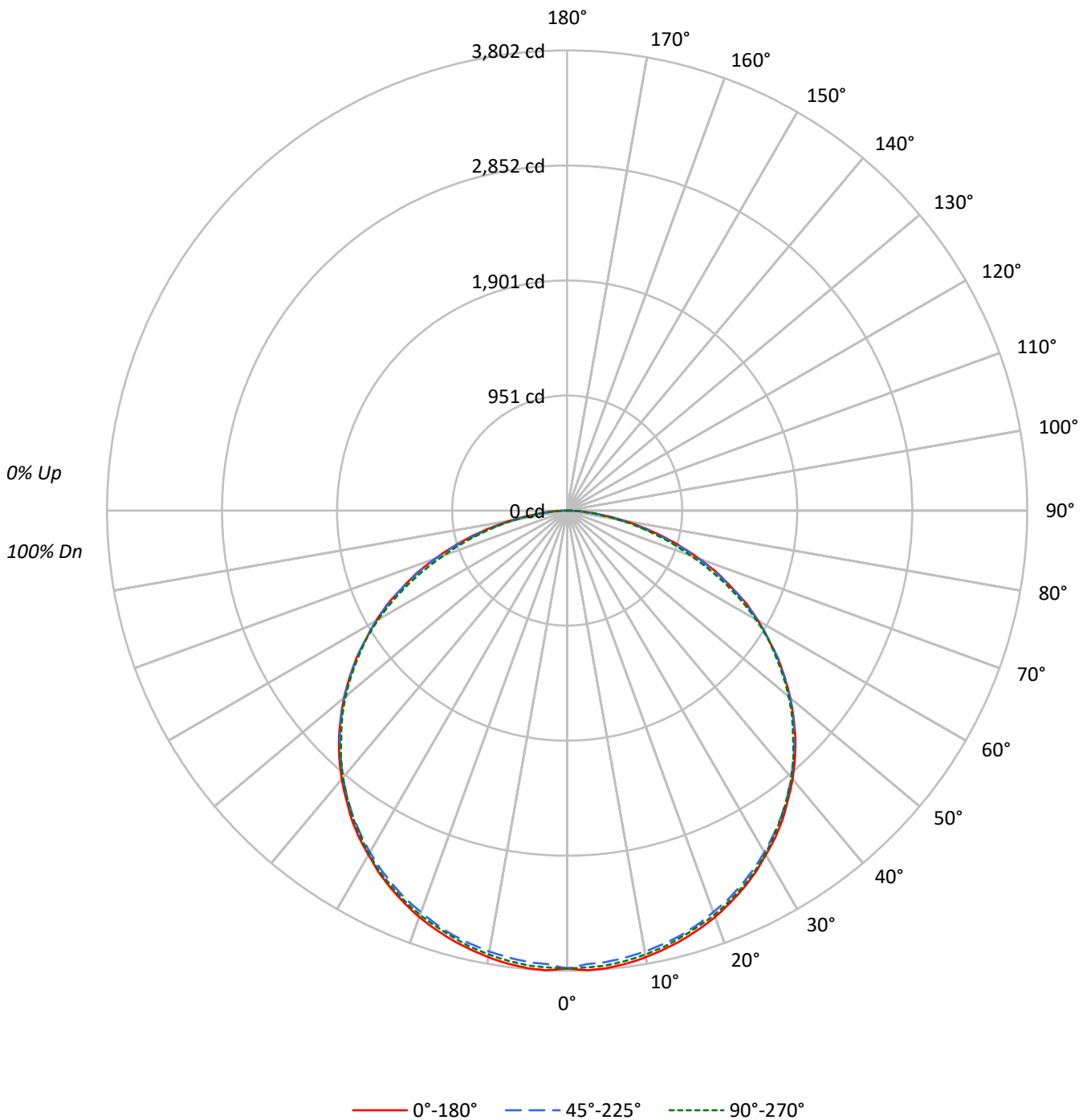
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30477	30477	30477
5°	30632	28477	28044
10°	30545	26854	25898
15°	30464	25394	24005
20°	30416	23977	22346
25°	30329	22676	20790
30°	30186	21409	19322
35°	30120	20145	17884
40°	29964	18859	16488
45°	29768	17571	15038
50°	29448	16198	13658
55°	28986	14698	12180
60°	28344	13051	10634
65°	27309	11226	8811
70°	25817	9088	6815
75°	23482	6554	4884
80°	19391	3900	3032
85°	12897	1688	1227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.5	3.2
10°-20°	1032.0	9.1
20°-30°	1581.1	13.9
30°-40°	1935.3	17.0
40°-50°	2048.0	18.0
50°-60°	1894.2	16.7
60°-70°	1470.9	12.9
70°-80°	828.5	7.3
80°-90°	209.5	1.8
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°	2971.6	26.2
0°-40°	4906.9	43.2
0°-60°	8849.1	77.9
0°-90°	11358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3783	3783	3783	3783	3783	
5°	3794	3779	3743	3779	3771	361
15°	3673	3661	3633	3665	3649	1037
25°	3445	3433	3410	3437	3429	1588
35°	3107	3095	3084	3091	3091	1943
45°	2667	2663	2655	2651	2640	2055
55°	2125	2133	2125	2117	2105	1896
65°	1497	1508	1500	1481	1453	1485
75°	813	813	778	758	742	856
85°	173	173	169	169	165	215
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3782.7	3782.7	3782.7	3782.7	3782.7
2.5°	3802.3	3786.6	3751.3	3786.6	3778.8
5°	3794.5	3778.8	3743.4	3778.8	3770.9
7.5°	3774.8	3763.0	3723.8	3759.1	3751.3
10°	3747.3	3735.6	3700.2	3735.6	3723.8
12.5°	3712.0	3700.2	3668.8	3700.2	3692.3
15°	3672.7	3660.9	3633.4	3664.8	3649.1
17.5°	3625.6	3617.7	3586.3	3617.7	3602.0
20°	3574.5	3558.8	3531.3	3562.7	3554.9
22.5°	3511.7	3503.8	3476.3	3503.8	3495.9
25°	3444.9	3433.1	3409.5	3437.0	3429.2
27.5°	3370.2	3362.4	3338.8	3358.5	3358.5
30°	3283.8	3279.9	3260.3	3279.9	3276.0
32.5°	3201.3	3193.5	3173.8	3189.6	3181.7
35°	3107.1	3095.3	3083.5	3091.4	3091.4
37.5°	3001.0	2997.1	2985.3	2997.1	2985.3
40°	2898.9	2891.0	2879.2	2883.2	2883.2
42.5°	2785.0	2781.0	2769.3	2769.3	2765.3
45°	2667.1	2663.2	2655.3	2651.4	2639.6
47.5°	2537.5	2533.6	2533.6	2529.6	2521.8
50°	2407.9	2407.9	2404.0	2392.2	2388.2
52.5°	2266.5	2274.3	2262.5	2254.7	2250.8
55°	2125.1	2132.9	2125.1	2117.2	2105.4
57.5°	1967.9	1983.7	1971.9	1967.9	1964.0
60°	1822.6	1830.5	1822.6	1810.8	1803.0
62.5°	1673.3	1673.3	1661.6	1653.7	1630.1
65°	1496.6	1508.4	1500.5	1480.9	1453.4
67.5°	1339.5	1331.6	1323.7	1300.2	1268.8
70°	1158.8	1162.7	1150.9	1115.6	1084.1
72.5°	985.9	993.8	970.2	923.1	915.2
75°	813.1	813.1	777.7	758.1	742.4
77.5°	636.3	640.3	593.1	589.2	585.3
80°	467.4	475.3	428.2	439.9	436.0
82.5°	318.2	310.3	290.7	290.7	286.7
85°	172.8	172.8	168.9	168.9	165.0
87.5°	66.8	70.7	78.6	86.4	82.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)