

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: P218027

Luminaire Tested: **8TSNLED-LD5-112SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218027
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10692.0 lumens
Efficiency: N/A
Efficacy: 124.8 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

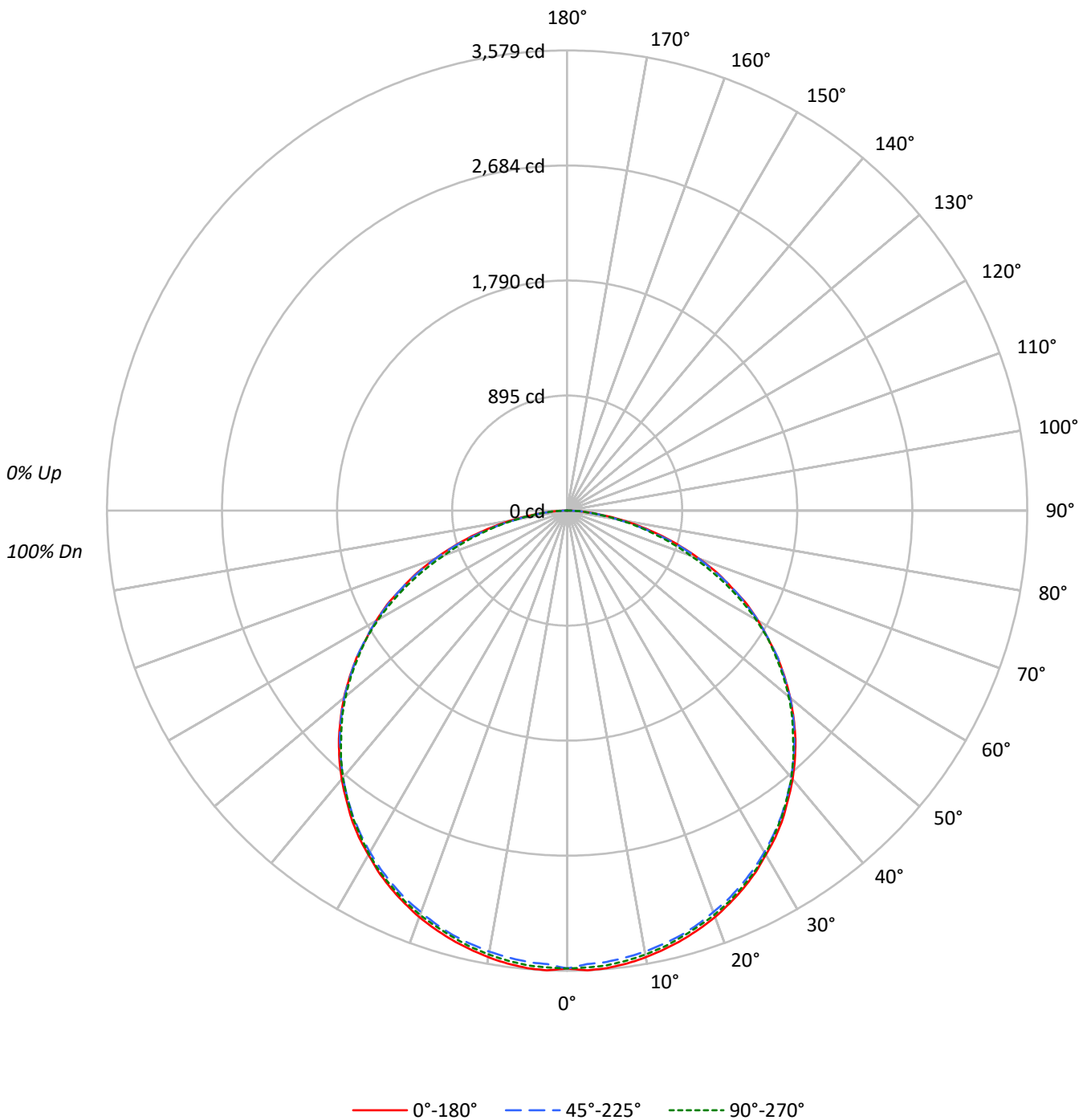
Input Watts (W): 85.64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28690	28690	28690
5°	28836	26807	26400
10°	28754	25279	24379
15°	28677	23906	22598
20°	28633	22571	21035
25°	28551	21347	19571
30°	28417	20153	18189
35°	28354	18964	16835
40°	28207	17753	15521
45°	28022	16541	14157
50°	27722	15248	12857
55°	27287	13836	11466
60°	26681	12285	10010
65°	25707	10568	8294
70°	24302	8555	6415
75°	22104	6169	4598
80°	18254	3671	2854
85°	12143	1589	1155



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	3.2
10°-20°	971.5	9.1
20°-30°	1488.4	13.9
30°-40°	1821.8	17.0
40°-50°	1927.9	18.0
50°-60°	1783.1	16.7
60°-70°	1384.6	12.9
70°-80°	779.9	7.3
80°-90°	197.2	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°	2797.4	26.2
0°-40°	4619.2	43.2
0°-60°	8330.2	77.9
0°-90°	10692.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10692.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	3572	3557	3524	3557	3550	339
15°	3457	3446	3420	3450	3435	976
25°	3243	3232	3210	3236	3228	1495
35°	2925	2914	2903	2910	2910	1829
45°	2511	2507	2500	2496	2485	1935
55°	2000	2008	2000	1993	1982	1785
65°	1409	1420	1412	1394	1368	1398
75°	765	765	732	714	699	806
85°	163	163	159	159	155	203
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3560.9	3560.9	3560.9	3560.9	3560.9
2.5°	3579.4	3564.6	3531.3	3564.6	3557.2
5°	3572.0	3557.2	3523.9	3557.2	3549.8
7.5°	3553.5	3542.4	3505.4	3538.7	3531.3
10°	3527.6	3516.5	3483.2	3516.5	3505.4
12.5°	3494.3	3483.2	3453.7	3483.2	3475.8
15°	3457.3	3446.3	3420.4	3450.0	3435.2
17.5°	3413.0	3405.6	3376.0	3405.6	3390.8
20°	3364.9	3350.1	3324.2	3353.8	3346.4
22.5°	3305.7	3298.3	3272.5	3298.3	3291.0
25°	3242.9	3231.8	3209.6	3235.5	3228.1
27.5°	3172.6	3165.2	3143.0	3161.5	3161.5
30°	3091.3	3087.6	3069.1	3087.6	3083.9
32.5°	3013.6	3006.2	2987.7	3002.5	2995.1
35°	2924.9	2913.8	2902.7	2910.1	2910.1
37.5°	2825.0	2821.3	2810.3	2821.3	2810.3
40°	2728.9	2721.5	2710.4	2714.1	2714.1
42.5°	2621.7	2618.0	2606.9	2606.9	2603.2
45°	2510.7	2507.0	2499.6	2495.9	2484.9
47.5°	2388.7	2385.0	2385.0	2381.3	2373.9
50°	2266.7	2266.7	2263.0	2251.9	2248.2
52.5°	2133.6	2141.0	2129.9	2122.5	2118.8
55°	2000.5	2007.9	2000.5	1993.1	1982.0
57.5°	1852.5	1867.3	1856.2	1852.5	1848.8
60°	1715.7	1723.1	1715.7	1704.6	1697.2
62.5°	1575.2	1575.2	1564.1	1556.7	1534.5
65°	1408.8	1419.9	1412.5	1394.0	1368.1
67.5°	1260.9	1253.5	1246.1	1223.9	1194.4
70°	1090.8	1094.5	1083.4	1050.1	1020.6
72.5°	928.1	935.5	913.3	869.0	861.6
75°	765.4	765.4	732.1	713.7	698.9
77.5°	599.0	602.7	558.4	554.7	551.0
80°	440.0	447.4	403.0	414.1	410.4
82.5°	299.5	292.1	273.6	273.6	269.9
85°	162.7	162.7	159.0	159.0	155.3
87.5°	62.9	66.6	74.0	81.3	77.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)