

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: P217923

Luminaire Tested: **2SNLED-LD5-24SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217923  
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: 2SNLED-LD5-24SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2271.0 lumens  
Efficiency: N/A  
Efficacy: 132.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')  
CIE Type: Direct

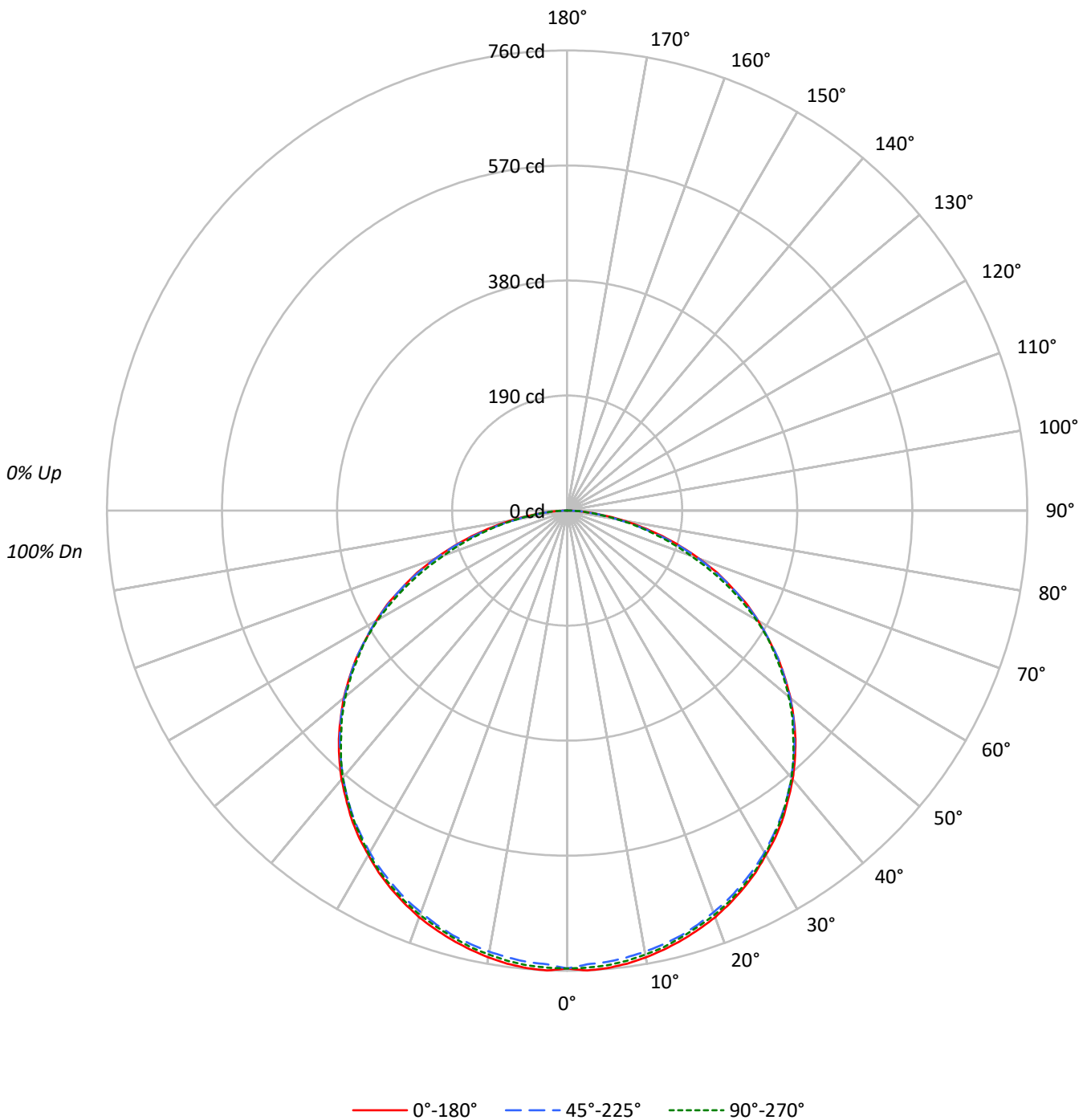
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	24373	24373	24373
5°	24366	22693	22430
10°	24165	21328	20714
15°	23963	20111	19198
20°	23788	18936	17872
25°	23575	17860	16629
30°	23310	16819	15453
35°	23089	15786	14303
40°	22787	14742	13188
45°	22433	13700	12028
50°	21951	12598	10923
55°	21330	11400	9742
60°	20520	10093	8505
65°	19351	8656	7047
70°	17758	6983	5451
75°	15436	5017	3905
80°	11776	2972	2426
85°	6546	1281	982



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.7	3.2
10°-20°	206.3	9.1
20°-30°	316.1	13.9
30°-40°	387.0	17.0
40°-50°	409.5	18.0
50°-60°	378.7	16.7
60°-70°	294.1	12.9
70°-80°	165.7	7.3
80°-90°	41.9	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°	594.2	26.2
0°-40°	981.1	43.2
0°-60°	1769.4	77.9
0°-90°	2271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2271.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	756	756	756	756	756	
5°	759	756	748	756	754	72
15°	734	732	726	733	730	207
25°	689	686	682	687	686	317
35°	621	619	616	618	618	388
45°	533	532	531	530	528	411
55°	425	426	425	423	421	379
65°	299	302	300	296	291	297
75°	163	163	156	152	148	171
85°	35	35	34	34	33	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	756.3	756.3	756.3	756.3	756.3
2.5°	760.3	757.1	750.1	757.1	755.6
5°	758.7	755.6	748.5	755.6	754.0
7.5°	754.8	752.4	744.6	751.6	750.1
10°	749.3	746.9	739.8	746.9	744.6
12.5°	742.2	739.8	733.6	739.8	738.3
15°	734.3	732.0	726.5	732.8	729.6
17.5°	724.9	723.4	717.1	723.4	720.2
20°	714.7	711.6	706.1	712.4	710.8
22.5°	702.1	700.6	695.1	700.6	699.0
25°	688.8	686.4	681.7	687.2	685.7
27.5°	673.9	672.3	667.6	671.5	671.5
30°	656.6	655.8	651.9	655.8	655.0
32.5°	640.1	638.5	634.6	637.7	636.2
35°	621.2	618.9	616.5	618.1	618.1
37.5°	600.0	599.3	596.9	599.3	596.9
40°	579.6	578.1	575.7	576.5	576.5
42.5°	556.8	556.1	553.7	553.7	552.9
45°	533.3	532.5	530.9	530.1	527.8
47.5°	507.4	506.6	506.6	505.8	504.2
50°	481.4	481.4	480.7	478.3	477.5
52.5°	453.2	454.7	452.4	450.8	450.0
55°	424.9	426.5	424.9	423.3	421.0
57.5°	393.5	396.6	394.3	393.5	392.7
60°	364.4	366.0	364.4	362.1	360.5
62.5°	334.6	334.6	332.2	330.7	325.9
65°	299.2	301.6	300.0	296.1	290.6
67.5°	267.8	266.2	264.7	260.0	253.7
70°	231.7	232.5	230.1	223.1	216.8
72.5°	197.1	198.7	194.0	184.6	183.0
75°	162.6	162.6	155.5	151.6	148.4
77.5°	127.2	128.0	118.6	117.8	117.0
80°	93.5	95.0	85.6	88.0	87.2
82.5°	63.6	62.0	58.1	58.1	57.3
85°	34.6	34.6	33.8	33.8	33.0
87.5°	13.4	14.1	15.7	17.3	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)