

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: P217925

Luminaire Tested: **2SNLED-LD5-24SL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217925  
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-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2460.0 lumens  
Efficiency: N/A  
Efficacy: 143.0 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

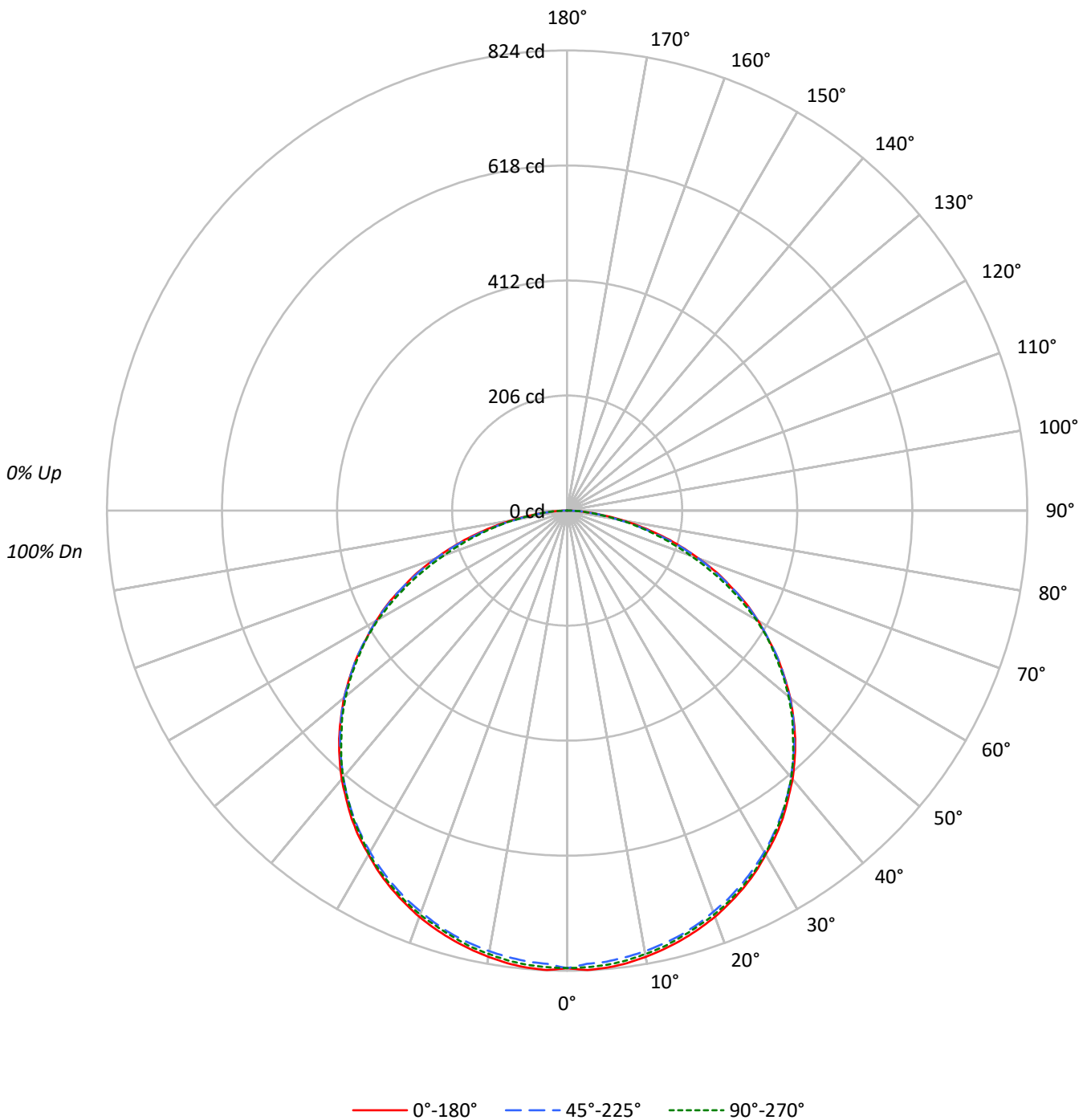
Input Watts (W): 17.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	26404	26404	26404
5°	26393	24582	24295
10°	26174	23104	22436
15°	25960	21785	20798
20°	25768	20510	19358
25°	25536	19348	18011
30°	25249	18218	16739
35°	25015	17099	15492
40°	24686	15969	14286
45°	24300	14841	13028
50°	23780	13646	11833
55°	23107	12350	10552
60°	22231	10935	9213
65°	20961	9377	7634
70°	19237	7565	5904
75°	16718	5436	4231
80°	12746	3219	2626
85°	7076	1387	1062



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.6	3.2
10°-20°	223.5	9.1
20°-30°	342.5	13.9
30°-40°	419.2	17.0
40°-50°	443.6	18.0
50°-60°	410.3	16.7
60°-70°	318.6	12.9
70°-80°	179.4	7.3
80°-90°	45.4	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°	643.6	26.2
0°-40°	1062.8	43.2
0°-60°	1916.6	77.9
0°-90°	2460.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	819	819	819	819	819	
5°	822	818	811	818	817	78
15°	796	793	787	794	790	225
25°	746	744	738	744	743	344
35°	673	670	668	670	670	421
45°	578	577	575	574	572	445
55°	460	462	460	459	456	411
65°	324	327	325	321	315	322
75°	176	176	168	164	161	185
85°	37	37	37	37	36	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	819.3	819.3	819.3	819.3	819.3
2.5°	823.5	820.1	812.5	820.1	818.4
5°	821.8	818.4	810.8	818.4	816.7
7.5°	817.6	815.0	806.5	814.2	812.5
10°	811.6	809.1	801.4	809.1	806.5
12.5°	804.0	801.4	794.6	801.4	799.7
15°	795.5	792.9	787.0	793.8	790.4
17.5°	785.3	783.6	776.7	783.6	780.1
20°	774.2	770.8	764.8	771.6	769.9
22.5°	760.6	758.9	752.9	758.9	757.2
25°	746.1	743.6	738.5	744.4	742.7
27.5°	730.0	728.3	723.1	727.4	727.4
30°	711.2	710.4	706.1	710.4	709.5
32.5°	693.4	691.7	687.4	690.8	689.1
35°	673.0	670.4	667.8	669.5	669.5
37.5°	650.0	649.1	646.6	649.1	646.6
40°	627.9	626.2	623.6	624.5	624.5
42.5°	603.2	602.3	599.8	599.8	598.9
45°	577.7	576.8	575.1	574.3	571.7
47.5°	549.6	548.7	548.7	547.9	546.2
50°	521.5	521.5	520.7	518.1	517.3
52.5°	490.9	492.6	490.0	488.3	487.5
55°	460.3	462.0	460.3	458.6	456.0
57.5°	426.2	429.6	427.1	426.2	425.4
60°	394.8	396.5	394.8	392.2	390.5
62.5°	362.4	362.4	359.9	358.2	353.1
65°	324.1	326.7	325.0	320.7	314.8
67.5°	290.1	288.4	286.7	281.6	274.8
70°	251.0	251.8	249.3	241.6	234.8
72.5°	213.5	215.2	210.1	199.9	198.2
75°	176.1	176.1	168.5	164.2	160.8
77.5°	137.8	138.7	128.5	127.6	126.8
80°	101.2	102.9	92.7	95.3	94.4
82.5°	68.9	67.2	63.0	63.0	62.1
85°	37.4	37.4	36.6	36.6	35.7
87.5°	14.5	15.3	17.0	18.7	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)