

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: P217939

Luminaire Tested: **4SNLED-LD5-24SL-UNV-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P217939  
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: 4SNLED-LD5-24SL-UNV-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2294.0 lumens  
Efficiency: N/A  
Efficacy: 143.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')  
CIE Type: Direct

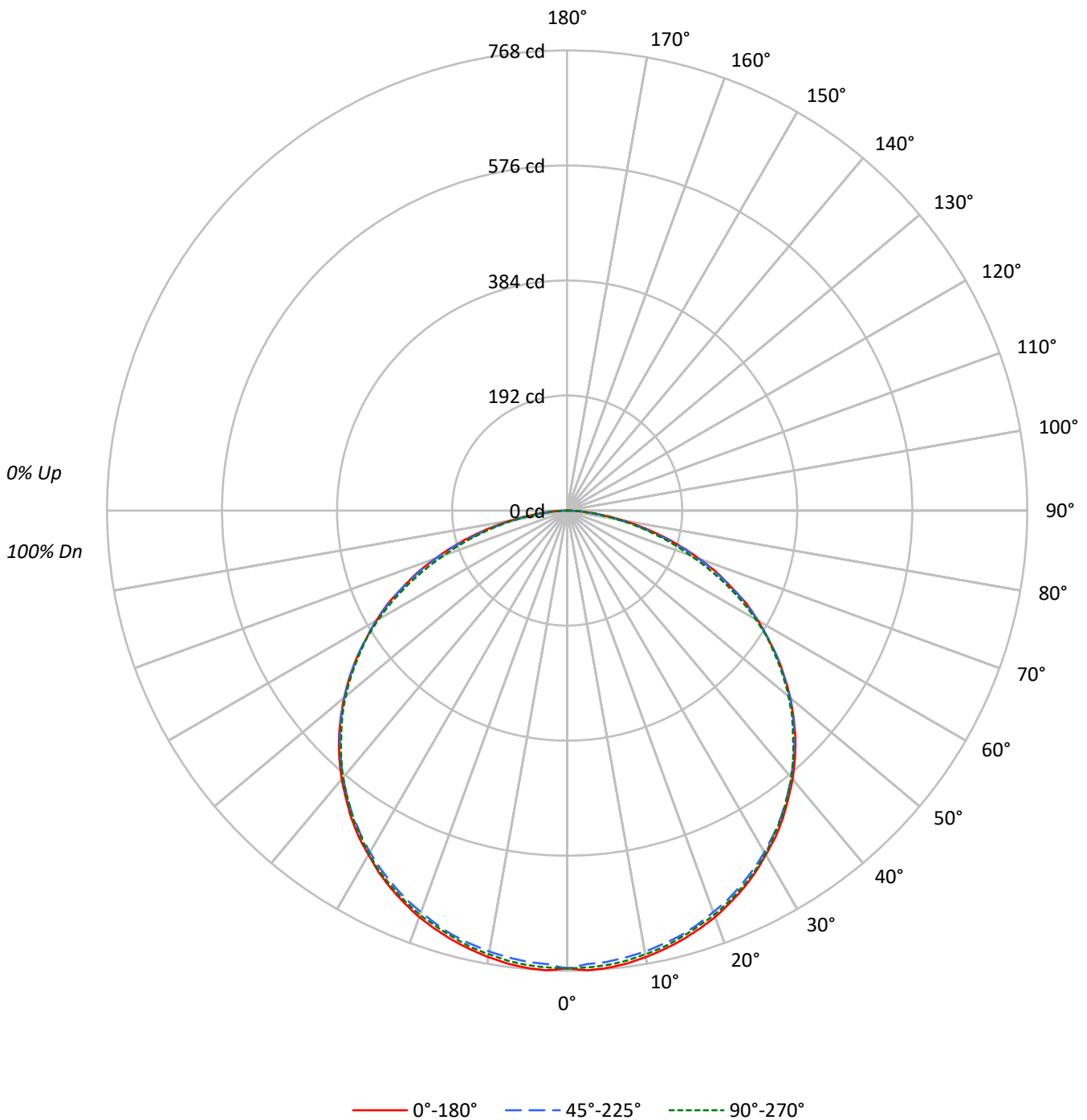
Input Watts (W): 16  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P217939

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L830-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P217939

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L830-CD1-U

**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°	12311	12311	12311
5°	12352	11490	11328
10°	12294	10822	10461
15°	12238	10225	9697
20°	12195	9644	9027
25°	12135	9113	8398
30°	12049	8596	7805
35°	11993	8082	7224
40°	11899	7559	6660
45°	11784	7037	6074
50°	11613	6481	5517
55°	11379	5876	4919
60°	11063	5212	4295
65°	10579	4480	3559
70°	9890	3622	2753
75°	8845	2609	1972
80°	7083	1550	1225
85°	4368	669	495



TEST NUMBER: P217939

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L830-CD1-U

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.4	3.2
10°-20°	208.4	9.1
20°-30°	319.3	13.9
30°-40°	390.9	17.0
40°-50°	413.6	18.0
50°-60°	382.6	16.7
60°-70°	297.1	12.9
70°-80°	167.3	7.3
80°-90°	42.3	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°	600.2	26.2
0°-40°	991.1	43.2
0°-60°	1787.3	77.9
0°-90°	2294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2294.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	766	763	756	763	762	73
15°	742	739	734	740	737	209
25°	696	693	689	694	693	321
35°	628	625	623	624	624	392
45°	539	538	536	536	533	415
55°	429	431	429	428	425	383
65°	302	305	303	299	294	300
75°	164	164	157	153	150	173
85°	35	35	34	34	33	43
90°	0	0	0	0	0	



TEST NUMBER: P217939

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L830-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	764.0	764.0	764.0	764.0	764.0
2.5°	768.0	764.8	757.7	764.8	763.2
5°	766.4	763.2	756.1	763.2	761.6
7.5°	762.4	760.0	752.1	759.2	757.7
10°	756.9	754.5	747.3	754.5	752.1
12.5°	749.7	747.3	741.0	747.3	745.8
15°	741.8	739.4	733.9	740.2	737.0
17.5°	732.3	730.7	724.3	730.7	727.5
20°	722.0	718.8	713.2	719.6	718.0
22.5°	709.3	707.7	702.1	707.7	706.1
25°	695.8	693.4	688.6	694.2	692.6
27.5°	680.7	679.1	674.3	678.3	678.3
30°	663.2	662.4	658.5	662.4	661.7
32.5°	646.6	645.0	641.0	644.2	642.6
35°	627.5	625.2	622.8	624.4	624.4
37.5°	606.1	605.3	602.9	605.3	602.9
40°	585.5	583.9	581.5	582.3	582.3
42.5°	562.5	561.7	559.3	559.3	558.5
45°	538.7	537.9	536.3	535.5	533.1
47.5°	512.5	511.7	511.7	510.9	509.3
50°	486.3	486.3	485.5	483.2	482.4
52.5°	457.8	459.4	457.0	455.4	454.6
55°	429.2	430.8	429.2	427.6	425.2
57.5°	397.5	400.6	398.3	397.5	396.7
60°	368.1	369.7	368.1	365.7	364.1
62.5°	338.0	338.0	335.6	334.0	329.2
65°	302.3	304.6	303.1	299.1	293.5
67.5°	270.5	268.9	267.4	262.6	256.3
70°	234.0	234.8	232.5	225.3	219.0
72.5°	199.1	200.7	196.0	186.4	184.9
75°	164.2	164.2	157.1	153.1	149.9
77.5°	128.5	129.3	119.8	119.0	118.2
80°	94.4	96.0	86.5	88.9	88.1
82.5°	64.3	62.7	58.7	58.7	57.9
85°	34.9	34.9	34.1	34.1	33.3
87.5°	13.5	14.3	15.9	17.5	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)