

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: P217942

Luminaire Tested: **4SNLED-LD5-24SL-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217942
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2689.0 lumens
Efficiency: N/A
Efficacy: 168.1 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

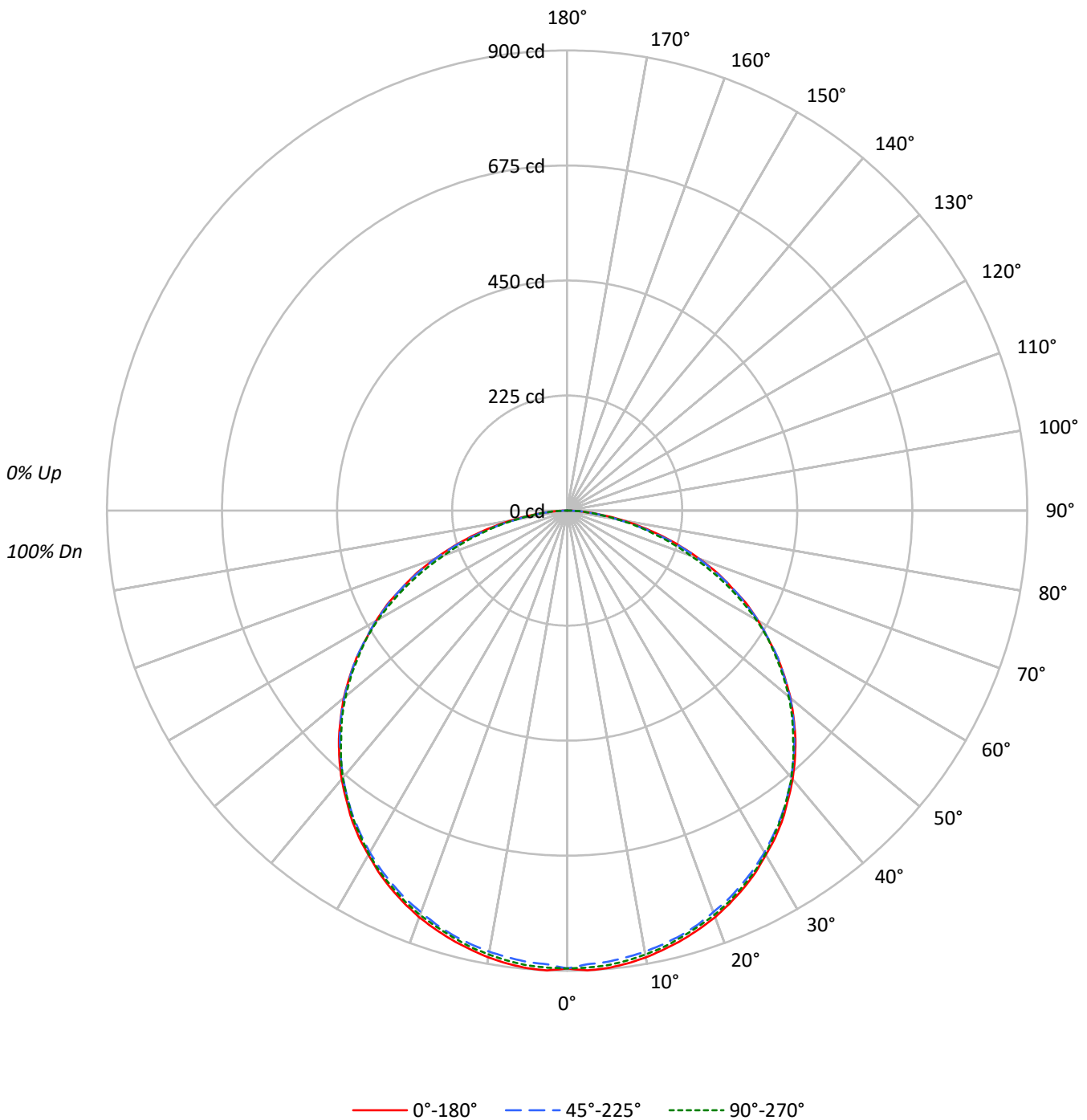
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P217942

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P217942

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L850-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°	14430	14430	14430
5°	14477	13468	13279
10°	14410	12686	12263
15°	14345	11984	11366
20°	14295	11305	10581
25°	14224	10682	9845
30°	14124	10077	9149
35°	14059	9474	8468
40°	13948	8862	7807
45°	13812	8250	7120
50°	13614	7597	6467
55°	13338	6888	5768
60°	12968	6110	5036
65°	12399	5250	4172
70°	11593	4246	3227
75°	10369	3057	2313
80°	8306	1817	1435
85°	5119	785	582



TEST NUMBER: P217942

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	3.2
10°-20°	244.3	9.1
20°-30°	374.3	13.9
30°-40°	458.2	17.0
40°-50°	484.9	18.0
50°-60°	448.4	16.7
60°-70°	348.2	13.0
70°-80°	196.1	7.3
80°-90°	49.6	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°	703.5	26.2
0°-40°	1161.7	43.2
0°-60°	2095.0	77.9
0°-90°	2689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	896	896	896	896	896	
5°	898	895	886	895	893	85
15°	870	867	860	868	864	246
25°	816	813	807	814	812	376
35°	736	733	730	732	732	460
45°	631	630	629	628	625	487
55°	503	505	503	501	498	449
65°	354	357	355	351	344	352
75°	192	192	184	180	176	203
85°	41	41	40	40	39	51
90°	0	0	0	0	0	



TEST NUMBER: P217942

CATALOG NUMBER: 4SNLED-LD5-24SL-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	895.5	895.5	895.5	895.5	895.5
2.5°	900.2	896.5	888.1	896.5	894.6
5°	898.3	894.6	886.3	894.6	892.8
7.5°	893.7	890.9	881.6	890.0	888.1
10°	887.2	884.4	876.0	884.4	881.6
12.5°	878.8	876.0	868.6	876.0	874.2
15°	869.5	866.7	860.2	867.7	863.9
17.5°	858.4	856.5	849.1	856.5	852.8
20°	846.3	842.5	836.0	843.5	841.6
22.5°	831.4	829.5	823.0	829.5	827.7
25°	815.6	812.8	807.2	813.7	811.9
27.5°	797.9	796.0	790.5	795.1	795.1
30°	777.4	776.5	771.9	776.5	775.6
32.5°	757.9	756.1	751.4	755.1	753.3
35°	735.6	732.8	730.0	731.9	731.9
37.5°	710.5	709.6	706.8	709.6	706.8
40°	686.3	684.4	681.7	682.6	682.6
42.5°	659.3	658.4	655.6	655.6	654.7
45°	631.4	630.5	628.7	627.7	624.9
47.5°	600.8	599.8	599.8	598.9	597.0
50°	570.1	570.1	569.1	566.3	565.4
52.5°	536.6	538.4	535.7	533.8	532.9
55°	503.1	505.0	503.1	501.2	498.5
57.5°	465.9	469.6	466.8	465.9	465.0
60°	431.5	433.4	431.5	428.7	426.9
62.5°	396.2	396.2	393.4	391.5	385.9
65°	354.3	357.1	355.2	350.6	344.1
67.5°	317.1	315.3	313.4	307.8	300.4
70°	274.3	275.3	272.5	264.1	256.7
72.5°	233.4	235.3	229.7	218.5	216.7
75°	192.5	192.5	184.1	179.5	175.8
77.5°	150.7	151.6	140.4	139.5	138.6
80°	110.7	112.5	101.4	104.2	103.2
82.5°	75.3	73.5	68.8	68.8	67.9
85°	40.9	40.9	40.0	40.0	39.1
87.5°	15.8	16.7	18.6	20.5	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)