

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1212982

Luminaire Tested: 2SNLED-LD5-24SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1212982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2SNLED-LD5-24SL-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

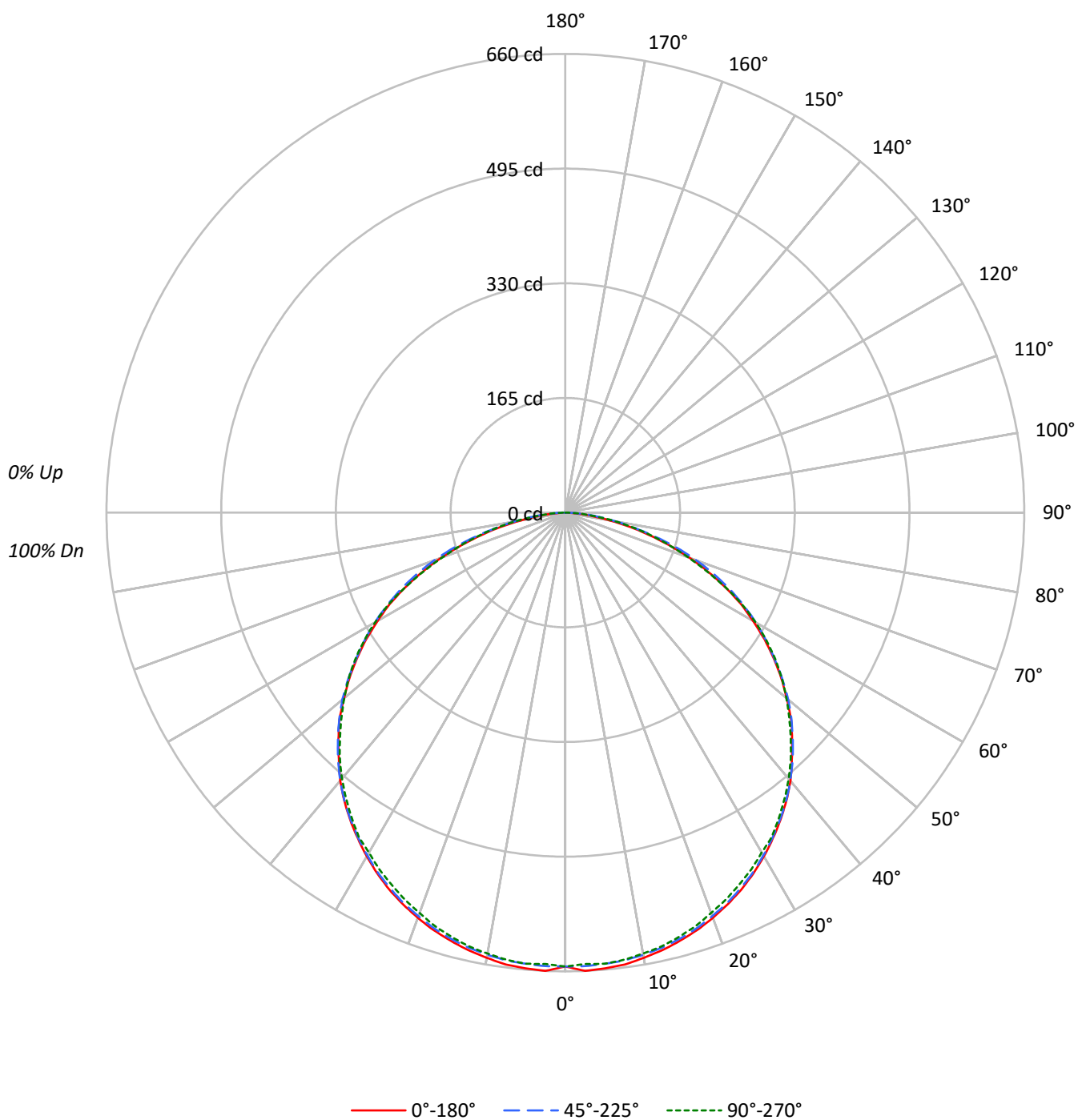
Lumens per Lamp: N/A
Luminaire Lumens: 1959.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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: 24 FT

TEST NUMBER: P1212982

CATALOG NUMBER: 2SNLED-LD5-24SL-UNV-L930-CD1-U

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	96	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	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	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10554	10554	10554
5°	10622	10294	10232
10°	10558	10051	9916
15°	10494	9808	9605
20°	10433	9550	9274
25°	10372	9292	8966
30°	10289	9018	8661
35°	10200	8733	8370
40°	10098	8430	8019
45°	9924	8074	7618
50°	9721	7688	7209
55°	9471	7178	6771
60°	9091	6661	6194
65°	8555	5994	5388
70°	7679	5127	4369
75°	6370	3891	3358
80°	4570	2543	2201
85°	2153	1226	981

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9924 cd/sqm

TEST NUMBER: P1212982

CATALOG NUMBER: 2SNLED-LD5-24SL-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.0	3.2
10°-20°	178.7	9.1
20°-30°	273.6	14.0
30°-40°	335.2	17.1
40°-50°	354.6	18.1
50°-60°	327.3	16.7
60°-70°	252.6	12.9
70°-80°	140.2	7.2
80°-90°	34.7	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°	514.3	26.3
0°-40°	849.6	43.4
0°-60°	1531.4	78.2
0°-90°	1959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	653	653	653	653	653	
5°	658	650	652	650	651	63
15°	638	630	635	632	632	180
25°	599	591	596	591	591	276
35°	540	534	539	533	536	338
45°	461	457	463	458	458	356
55°	366	363	367	367	369	327
65°	254	251	261	259	254	250
75°	126	133	134	134	129	133
85°	20	29	30	30	28	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	653.0	653.0	653.0	653.0	653.0
2.5°	659.9	651.4	653.0	652.1	650.1
5°	658.3	649.8	651.7	650.1	651.4
7.5°	655.6	646.5	649.8	647.5	648.8
10°	650.4	642.6	645.9	643.3	644.2
12.5°	644.9	636.7	641.3	638.0	639.3
15°	637.7	630.2	634.8	632.5	631.8
17.5°	629.9	622.7	627.3	624.7	623.7
20°	620.4	613.6	617.8	613.9	612.9
22.5°	610.0	603.2	608.0	602.5	602.8
25°	598.6	591.4	596.3	591.1	590.8
27.5°	585.5	578.7	583.9	578.4	579.0
30°	571.2	564.4	569.6	564.0	564.7
32.5°	555.6	550.0	554.6	549.4	552.9
35°	539.6	533.7	538.6	532.7	535.7
37.5°	522.3	516.8	522.0	515.5	518.1
40°	503.7	498.8	503.4	497.5	499.8
42.5°	482.2	479.3	483.8	478.0	479.9
45°	461.3	457.1	462.6	457.7	458.4
47.5°	440.5	435.9	441.1	436.9	436.6
50°	415.4	413.7	418.6	415.4	415.0
52.5°	391.6	388.3	393.5	391.9	392.9
55°	366.1	363.2	367.4	367.1	369.1
57.5°	339.7	336.8	342.3	341.7	343.3
60°	311.7	309.4	316.6	314.9	316.2
62.5°	284.3	280.1	289.2	287.9	287.2
65°	253.7	251.0	260.8	259.2	254.3
67.5°	222.0	221.0	231.2	227.9	219.7
70°	190.4	191.1	200.8	194.6	187.8
72.5°	157.1	162.0	167.9	163.3	158.5
75°	125.8	133.3	134.3	134.0	129.1
77.5°	95.2	104.7	102.4	104.7	100.7
80°	66.5	76.9	75.3	77.3	74.0
82.5°	41.1	50.5	50.9	52.2	49.2
85°	19.9	29.3	30.0	30.3	28.0
87.5°	4.2	13.7	14.0	13.0	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)