

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: P1213028

Luminaire Tested: 4SNLED-LD5-24SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213028
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: 4SNLED-LD5-24SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

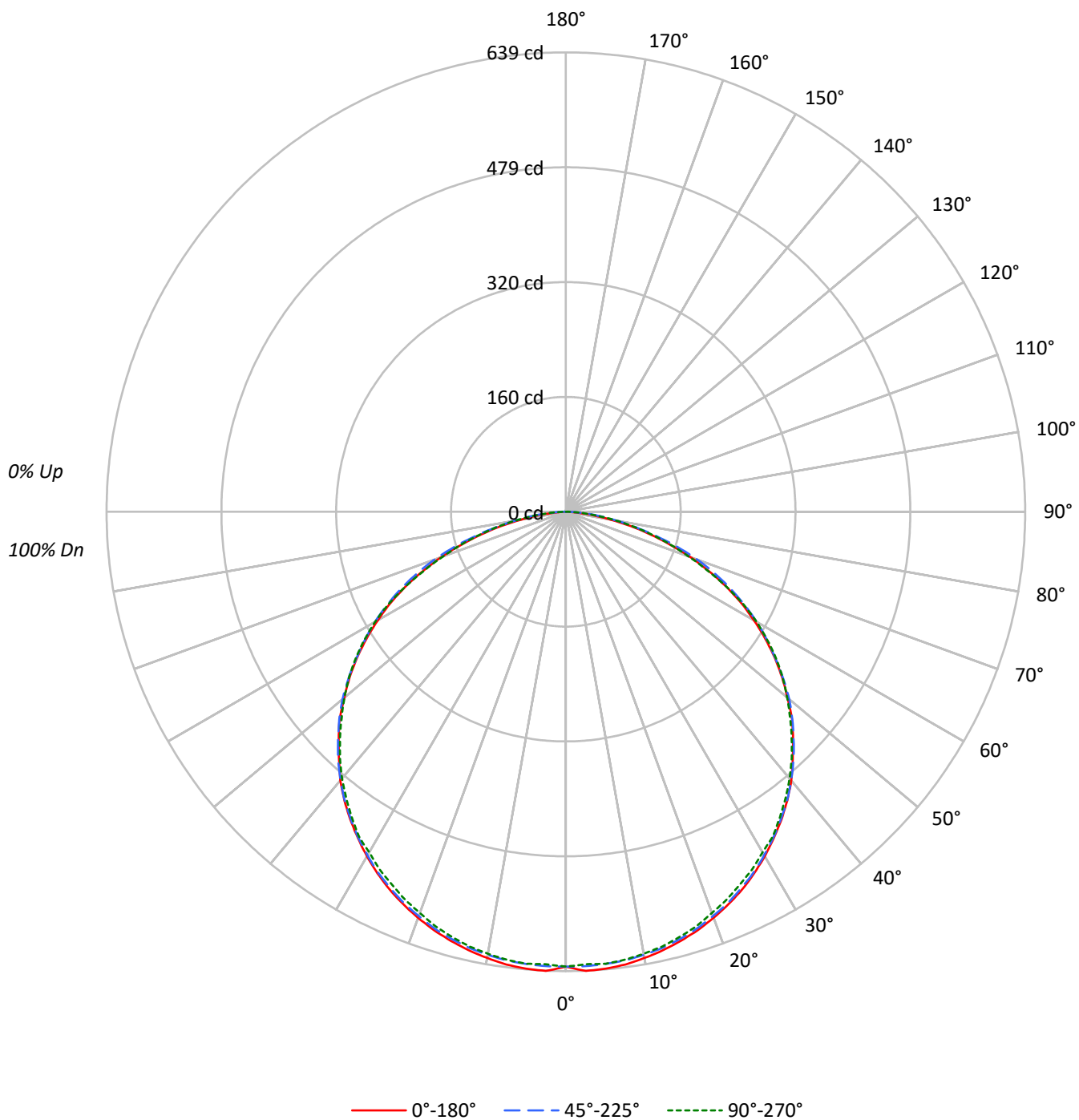
Lumens per Lamp: N/A
Luminaire Lumens: 1898.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 16
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

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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	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°	5113	5113	5113
5°	5160	4996	4957
10°	5143	4887	4804
15°	5126	4777	4654
20°	5111	4660	4493
25°	5097	4542	4343
30°	5072	4416	4196
35°	5047	4285	4054
40°	5016	4145	3884
45°	4954	3978	3690
50°	4877	3798	3493
55°	4784	3556	3280
60°	4630	3309	3001
65°	4405	2989	2610
70°	4015	2569	2116
75°	3409	1959	1627
80°	2546	1291	1066
85°	1319	629	477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	3.2
10°-20°	173.2	9.1
20°-30°	265.1	14.0
30°-40°	324.8	17.1
40°-50°	343.5	18.1
50°-60°	317.1	16.7
60°-70°	244.8	12.9
70°-80°	135.8	7.2
80°-90°	33.7	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°	498.3	26.3
0°-40°	823.1	43.4
0°-60°	1483.8	78.2
0°-90°	1898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	638	630	631	630	631	61
15°	618	611	615	613	612	175
25°	580	573	578	573	572	267
35°	523	517	522	516	519	327
45°	447	443	448	444	444	345
55°	355	352	356	356	358	317
65°	246	243	253	251	246	242
75°	122	129	130	130	125	129
85°	19	28	29	29	27	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.7	632.7	632.7	632.7	632.7
2.5°	639.3	631.1	632.7	631.8	629.9
5°	637.8	629.5	631.4	629.9	631.1
7.5°	635.2	626.4	629.5	627.3	628.6
10°	630.2	622.6	625.8	623.2	624.2
12.5°	624.8	616.9	621.3	618.2	619.4
15°	617.9	610.6	615.0	612.8	612.2
17.5°	610.3	603.3	607.7	605.2	604.3
20°	601.1	594.5	598.6	594.8	593.9
22.5°	591.0	584.4	589.1	583.7	584.1
25°	580.0	573.0	577.7	572.7	572.4
27.5°	567.3	560.7	565.7	560.4	561.0
30°	553.4	546.8	551.8	546.5	547.1
32.5°	538.3	532.9	537.3	532.3	535.7
35°	522.8	517.1	521.8	516.1	519.0
37.5°	506.0	500.7	505.7	499.4	501.9
40°	488.0	483.3	487.7	482.0	484.2
42.5°	467.2	464.3	468.8	463.1	465.0
45°	447.0	442.9	448.2	443.5	444.1
47.5°	426.8	422.3	427.4	423.3	423.0
50°	402.4	400.8	405.6	402.4	402.1
52.5°	379.4	376.2	381.3	379.7	380.6
55°	354.7	351.9	356.0	355.7	357.6
57.5°	329.1	326.3	331.7	331.0	332.6
60°	302.0	299.8	306.7	305.1	306.4
62.5°	275.4	271.3	280.2	278.9	278.3
65°	245.8	243.2	252.7	251.1	246.4
67.5°	215.1	214.2	224.0	220.8	212.9
70°	184.5	185.1	194.6	188.6	181.9
72.5°	152.3	157.0	162.7	158.3	153.5
75°	121.9	129.2	130.1	129.8	125.1
77.5°	92.2	101.4	99.2	101.4	97.6
80°	64.4	74.5	73.0	74.9	71.7
82.5°	39.8	49.0	49.3	50.5	47.7
85°	19.3	28.4	29.1	29.4	27.2
87.5°	4.1	13.3	13.6	12.6	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)