

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: P1214081

Luminaire Tested: 4SNLED-LD5-24SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214081
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

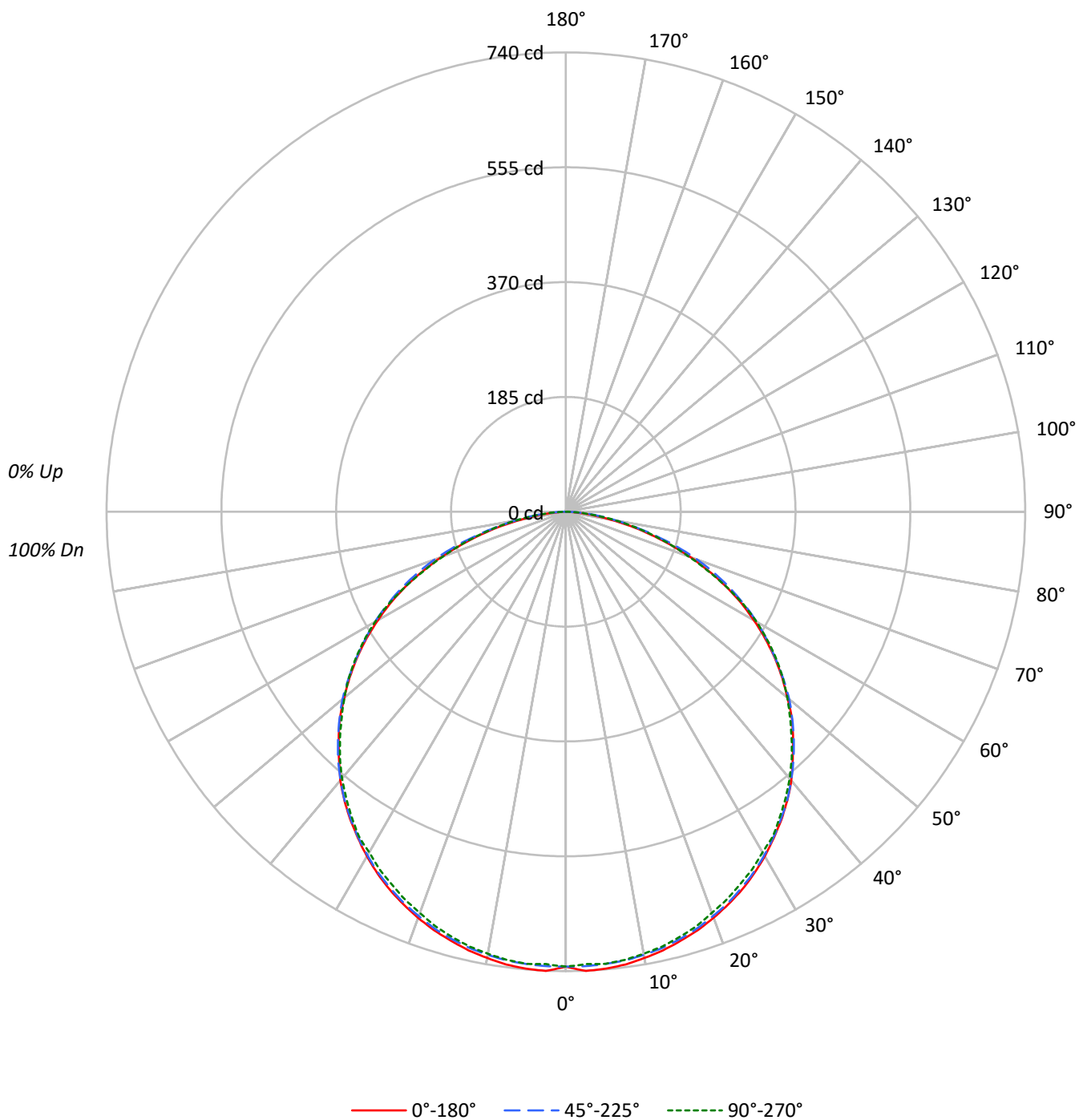
Lumens per Lamp: N/A
Luminaire Lumens: 2198.0 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5921	5921	5921
5°	5975	5786	5740
10°	5956	5660	5563
15°	5936	5532	5389
20°	5919	5397	5203
25°	5902	5261	5029
30°	5874	5115	4859
35°	5844	4962	4695
40°	5810	4800	4499
45°	5736	4608	4273
50°	5648	4398	4045
55°	5540	4118	3798
60°	5362	3832	3475
65°	5100	3461	3022
70°	4648	2974	2451
75°	3948	2270	1884
80°	2949	1495	1234
85°	1523	729	552

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	3.2
10°-20°	200.5	9.1
20°-30°	307.0	14.0
30°-40°	376.1	17.1
40°-50°	397.8	18.1
50°-60°	367.2	16.7
60°-70°	283.4	12.9
70°-80°	157.3	7.2
80°-90°	39.0	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°	577.1	26.3
0°-40°	953.2	43.4
0°-60°	1718.3	78.2
0°-90°	2198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2198.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	733	733	733	733	733	
5°	739	729	731	729	731	70
15°	716	707	712	710	709	202
25°	672	664	669	663	663	310
35°	605	599	604	598	601	379
45°	518	513	519	514	514	399
55°	411	408	412	412	414	367
65°	285	282	293	291	285	281
75°	141	150	151	150	145	150
85°	22	33	34	34	32	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	732.7	732.7	732.7	732.7	732.7
2.5°	740.4	730.9	732.7	731.6	729.4
5°	738.6	729.1	731.2	729.4	730.9
7.5°	735.6	725.4	729.1	726.5	728.0
10°	729.8	721.0	724.7	721.7	722.8
12.5°	723.6	714.4	719.5	715.9	717.3
15°	715.5	707.1	712.2	709.7	708.9
17.5°	706.7	698.7	703.8	700.9	699.8
20°	696.1	688.4	693.2	688.8	687.7
22.5°	684.4	676.7	682.2	676.0	676.4
25°	671.6	663.6	669.1	663.2	662.8
27.5°	657.0	649.3	655.2	648.9	649.7
30°	640.9	633.2	639.1	632.8	633.6
32.5°	623.3	617.1	622.2	616.4	620.4
35°	605.4	598.8	604.3	597.7	601.0
37.5°	586.0	579.8	585.7	578.3	581.3
40°	565.2	559.7	564.8	558.2	560.8
42.5°	541.0	537.7	542.9	536.3	538.5
45°	517.6	512.9	519.1	513.6	514.3
47.5°	494.2	489.1	494.9	490.2	489.8
50°	466.0	464.2	469.7	466.0	465.7
52.5°	439.3	435.7	441.5	439.7	440.8
55°	410.8	407.5	412.3	411.9	414.1
57.5°	381.2	377.9	384.1	383.4	385.2
60°	349.7	347.1	355.2	353.4	354.8
62.5°	319.0	314.2	324.5	323.0	322.3
65°	284.6	281.7	292.6	290.8	285.3
67.5°	249.1	248.0	259.4	255.7	246.6
70°	213.6	214.4	225.3	218.4	210.7
72.5°	176.3	181.8	188.4	183.3	177.8
75°	141.2	149.6	150.7	150.3	144.9
77.5°	106.8	117.4	114.9	117.4	113.0
80°	74.6	86.3	84.5	86.7	83.0
82.5°	46.1	56.7	57.1	58.5	55.2
85°	22.3	32.9	33.7	34.0	31.5
87.5°	4.8	15.4	15.7	14.6	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)