

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: P1214035

Luminaire Tested: 2SNLED-LD5-24SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214035
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

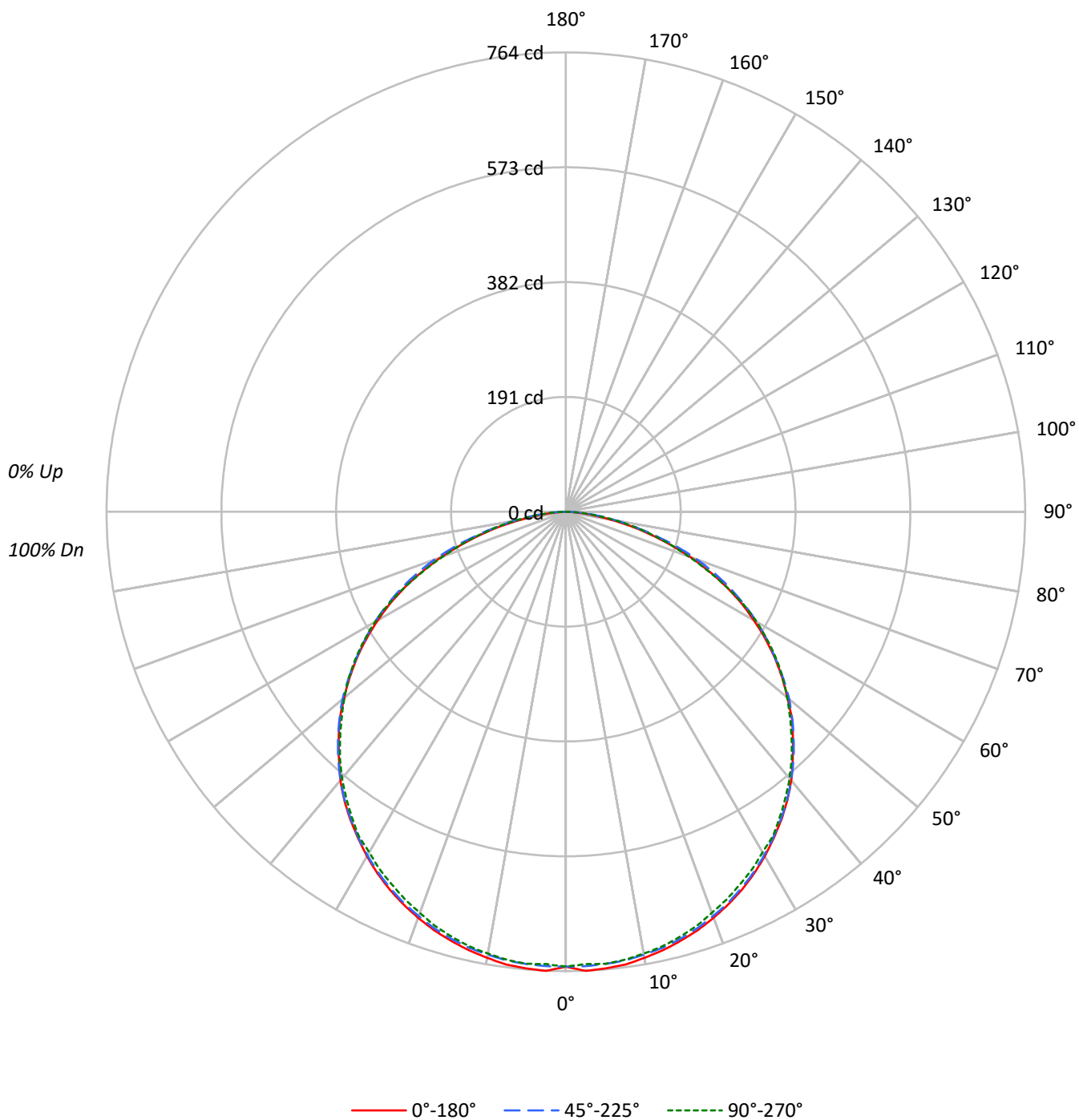
Lumens per Lamp: N/A
Luminaire Lumens: 2269.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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

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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°	12225	12225	12225
5°	12302	11924	11852
10°	12230	11642	11486
15°	12155	11359	11126
20°	12085	11061	10742
25°	12013	10763	10385
30°	11917	10444	10031
35°	11814	10115	9693
40°	11695	9764	9288
45°	11494	9351	8823
50°	11258	8906	8351
55°	10971	8315	7842
60°	10529	7716	7175
65°	9908	6943	6240
70°	8893	5939	5060
75°	7383	4508	3888
80°	5291	2945	2549
85°	2488	1418	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11494 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	3.2
10°-20°	207.0	9.1
20°-30°	316.9	14.0
30°-40°	388.3	17.1
40°-50°	410.7	18.1
50°-60°	379.1	16.7
60°-70°	292.6	12.9
70°-80°	162.4	7.2
80°-90°	40.2	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°	595.7	26.3
0°-40°	984.0	43.4
0°-60°	1773.8	78.2
0°-90°	2269.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2269.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	756	756	756	756	756	
5°	762	753	755	753	754	72
15°	739	730	735	733	732	209
25°	693	685	691	685	684	320
35°	625	618	624	617	620	391
45°	534	529	536	530	531	412
55°	424	421	426	425	428	379
65°	294	291	302	300	294	290
75°	146	154	156	155	150	155
85°	23	34	35	35	32	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	756.4	756.4	756.4	756.4	756.4
2.5°	764.3	754.5	756.4	755.2	753.0
5°	762.4	752.6	754.9	753.0	754.5
7.5°	759.4	748.8	752.6	750.0	751.5
10°	753.4	744.3	748.1	745.0	746.2
12.5°	746.9	737.5	742.8	739.0	740.5
15°	738.6	729.9	735.2	732.6	731.8
17.5°	729.6	721.3	726.5	723.5	722.4
20°	718.6	710.7	715.6	711.1	709.9
22.5°	706.5	698.6	704.3	697.8	698.2
25°	693.3	685.0	690.7	684.6	684.3
27.5°	678.2	670.3	676.3	669.9	670.7
30°	661.6	653.7	659.7	653.3	654.0
32.5°	643.5	637.0	642.3	636.3	640.4
35°	625.0	618.2	623.8	617.0	620.4
37.5°	605.0	598.5	604.6	597.0	600.0
40°	583.4	577.8	583.0	576.3	578.9
42.5°	558.5	555.1	560.4	553.6	555.9
45°	534.3	529.4	535.8	530.2	530.9
47.5°	510.2	504.9	510.9	506.0	505.6
50°	481.1	479.2	484.9	481.1	480.7
52.5°	453.5	449.7	455.8	453.9	455.0
55°	424.1	420.7	425.6	425.2	427.5
57.5°	393.5	390.1	396.5	395.7	397.6
60°	361.0	358.4	366.7	364.8	366.3
62.5°	329.3	324.4	335.0	333.4	332.7
65°	293.8	290.8	302.1	300.2	294.5
67.5°	257.2	256.0	267.7	264.0	254.5
70°	220.5	221.3	232.6	225.4	217.5
72.5°	182.0	187.7	194.5	189.2	183.5
75°	145.8	154.4	155.6	155.2	149.5
77.5°	110.3	121.2	118.6	121.2	116.7
80°	77.0	89.1	87.2	89.5	85.7
82.5°	47.6	58.5	58.9	60.4	57.0
85°	23.0	34.0	34.7	35.1	32.5
87.5°	4.9	15.9	16.2	15.1	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)