

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: P1214042

Luminaire Tested: 2SNLED-LD5-28SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214042
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-LD5-28SL-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

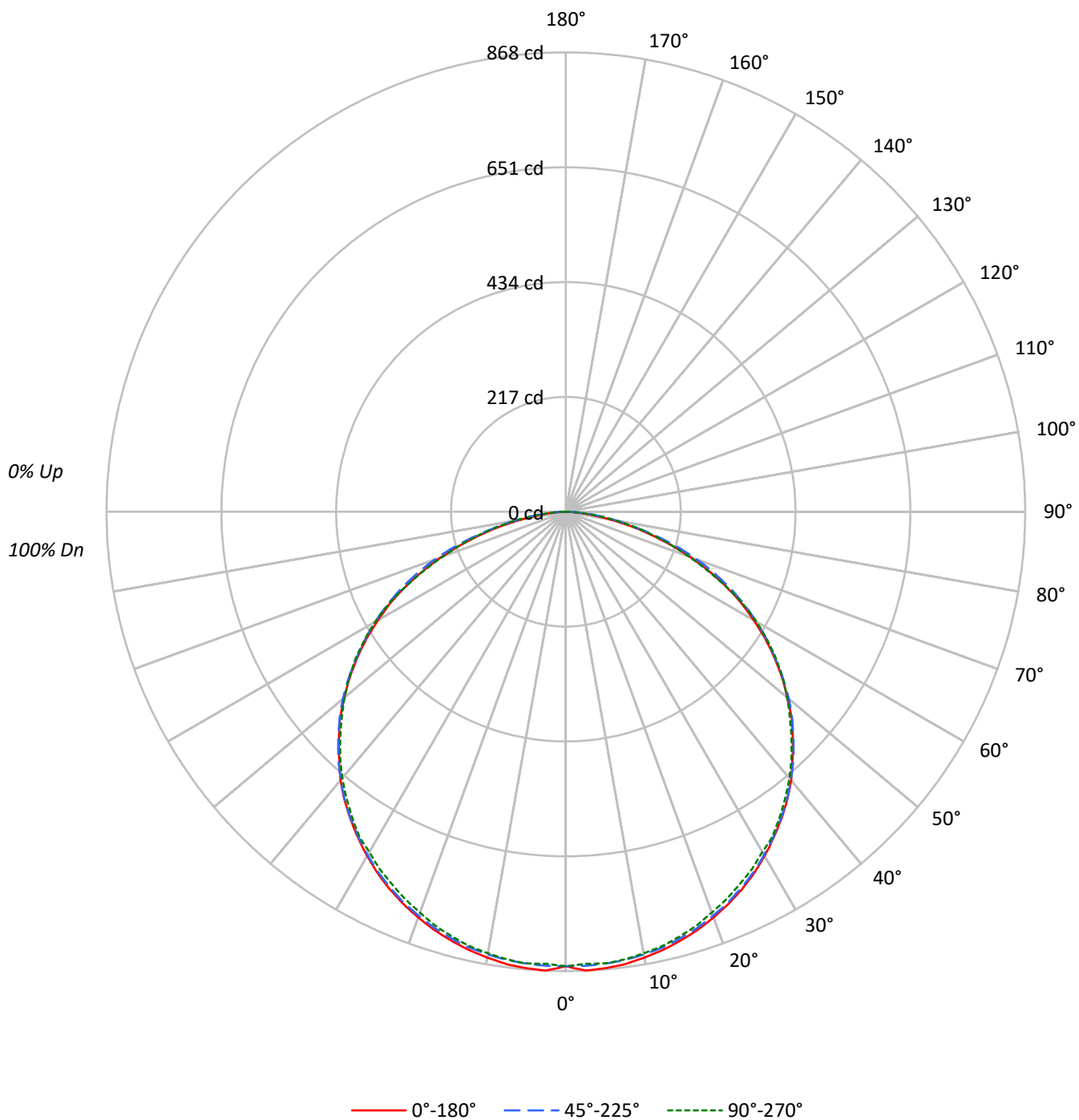
Lumens per Lamp: N/A
Luminaire Lumens: 2576.0 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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°	13878	13878	13878
5°	13967	13537	13455
10°	13884	13217	13039
15°	13800	12896	12631
20°	13719	12558	12196
25°	13639	12219	11789
30°	13529	11858	11389
35°	13412	11483	11005
40°	13279	11085	10544
45°	13049	10617	10018
50°	12781	10111	9482
55°	12453	9441	8902
60°	11955	8759	8147
65°	11247	7883	7085
70°	10098	6743	5744
75°	8380	5116	4416
80°	6013	3343	2894
85°	2834	1610	1293

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	3.2
10°-20°	235.0	9.1
20°-30°	359.8	14.0
30°-40°	440.8	17.1
40°-50°	466.3	18.1
50°-60°	430.4	16.7
60°-70°	332.2	12.9
70°-80°	184.4	7.2
80°-90°	45.7	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°	676.3	26.3
0°-40°	1117.1	43.4
0°-60°	2013.8	78.2
0°-90°	2576.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2576.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	866	854	857	855	857	82
15°	839	829	835	832	831	237
25°	787	778	784	777	777	363
35°	710	702	708	700	704	444
45°	607	601	608	602	603	468
55°	481	478	483	483	485	430
65°	334	330	343	341	334	329
75°	166	175	177	176	170	176
85°	26	39	39	40	37	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.7	858.7	858.7	858.7	858.7
2.5°	867.7	856.6	858.7	857.4	854.9
5°	865.6	854.4	857.0	854.9	856.6
7.5°	862.1	850.1	854.4	851.4	853.1
10°	855.3	845.0	849.3	845.9	847.1
12.5°	848.0	837.3	843.3	839.0	840.7
15°	838.6	828.7	834.7	831.7	830.8
17.5°	828.3	818.8	824.8	821.4	820.1
20°	815.8	806.8	812.4	807.3	806.0
22.5°	802.1	793.1	799.6	792.3	792.7
25°	787.1	777.7	784.1	777.3	776.8
27.5°	770.0	761.0	767.8	760.5	761.4
30°	751.1	742.1	749.0	741.7	742.5
32.5°	730.5	723.2	729.2	722.4	727.1
35°	709.5	701.8	708.2	700.5	704.4
37.5°	686.8	679.5	686.4	677.8	681.2
40°	662.4	655.9	661.9	654.2	657.2
42.5°	634.1	630.2	636.2	628.5	631.1
45°	606.6	601.1	608.3	601.9	602.8
47.5°	579.2	573.2	580.1	574.5	574.0
50°	546.2	544.0	550.5	546.2	545.8
52.5°	514.9	510.6	517.5	515.3	516.6
55°	481.4	477.6	483.2	482.7	485.3
57.5°	446.7	442.9	450.2	449.3	451.4
60°	409.9	406.9	416.3	414.1	415.9
62.5°	373.8	368.3	380.3	378.6	377.7
65°	333.5	330.1	343.0	340.8	334.4
67.5°	292.0	290.7	304.0	299.7	289.0
70°	250.4	251.2	264.1	255.9	246.9
72.5°	206.6	213.1	220.8	214.8	208.4
75°	165.5	175.3	176.6	176.2	169.8
77.5°	125.2	137.6	134.6	137.6	132.5
80°	87.5	101.2	99.0	101.6	97.3
82.5°	54.0	66.5	66.9	68.6	64.7
85°	26.2	38.6	39.4	39.9	36.9
87.5°	5.6	18.0	18.4	17.1	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)