

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: P1213038

Luminaire Tested: 4SNLED-LD5-28SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213038
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-LD5-28SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

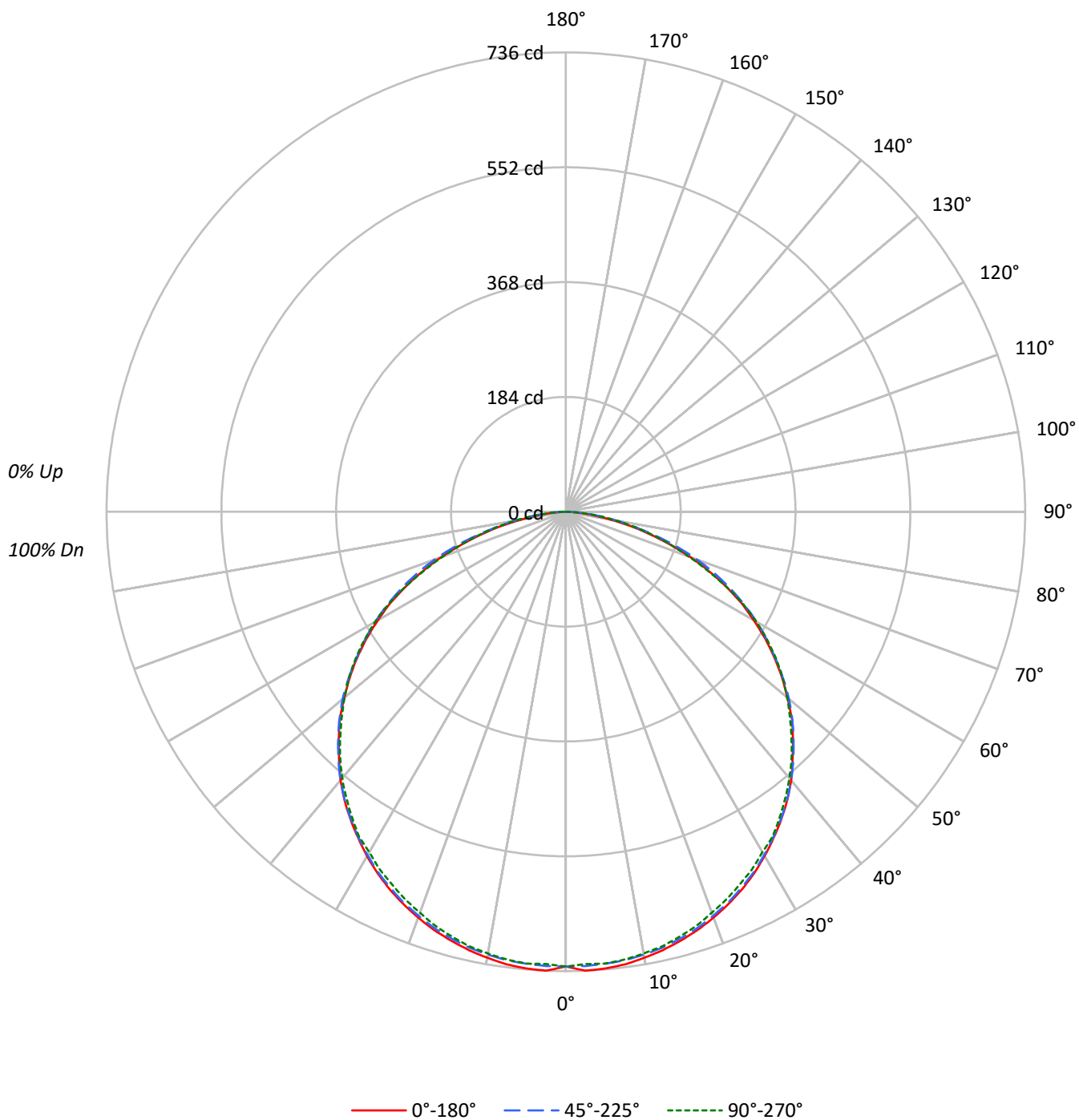
Lumens per Lamp: N/A
Luminaire Lumens: 2185.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	71	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	60	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	51	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	45	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	39	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	35	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	31	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	28	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	25	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5886	5886	5886
5°	5940	5752	5707
10°	5921	5626	5531
15°	5901	5499	5357
20°	5884	5365	5172
25°	5867	5229	5000
30°	5840	5084	4830
35°	5810	4933	4668
40°	5775	4772	4472
45°	5703	4580	4248
50°	5615	4372	4021
55°	5508	4093	3775
60°	5329	3810	3454
65°	5070	3441	3004
70°	4622	2957	2437
75°	3926	2256	1873
80°	2933	1486	1227
85°	1517	725	549

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5703 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	3.2
10°-20°	199.4	9.1
20°-30°	305.2	14.0
30°-40°	373.9	17.1
40°-50°	395.5	18.1
50°-60°	365.0	16.7
60°-70°	281.8	12.9
70°-80°	156.4	7.2
80°-90°	38.7	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°	573.7	26.3
0°-40°	947.6	43.4
0°-60°	1708.1	78.2
0°-90°	2185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	728	728	728	728	728	
5°	734	725	727	725	727	70
15°	711	703	708	706	705	201
25°	668	660	665	659	659	308
35°	602	595	601	594	598	377
45°	515	510	516	511	511	397
55°	408	405	410	410	412	364
65°	283	280	291	289	284	279
75°	140	149	150	150	144	149
85°	22	33	34	34	31	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	728.4	728.4	728.4	728.4	728.4
2.5°	736.0	726.6	728.4	727.3	725.1
5°	734.2	724.7	726.9	725.1	726.6
7.5°	731.3	721.1	724.7	722.2	723.6
10°	725.5	716.7	720.4	717.5	718.6
12.5°	719.3	710.2	715.3	711.6	713.1
15°	711.3	702.9	708.0	705.5	704.7
17.5°	702.6	694.6	699.6	696.7	695.6
20°	692.0	684.4	689.1	684.7	683.6
22.5°	680.4	672.7	678.2	672.0	672.4
25°	667.6	659.6	665.1	659.3	658.9
27.5°	653.1	645.5	651.3	645.1	645.8
30°	637.1	629.5	635.3	629.1	629.8
32.5°	619.6	613.5	618.6	612.7	616.7
35°	601.8	595.3	600.7	594.2	597.5
37.5°	582.6	576.4	582.2	574.9	577.8
40°	561.8	556.4	561.5	554.9	557.5
42.5°	537.8	534.6	539.6	533.1	535.3
45°	514.6	509.8	516.0	510.6	511.3
47.5°	491.3	486.2	492.0	487.3	486.9
50°	463.3	461.5	466.9	463.3	462.9
52.5°	436.7	433.1	438.9	437.1	438.2
55°	408.4	405.1	409.8	409.5	411.6
57.5°	378.9	375.6	381.8	381.1	382.9
60°	347.6	345.1	353.1	351.3	352.7
62.5°	317.1	312.4	322.6	321.1	320.4
65°	282.9	280.0	290.9	289.1	283.6
67.5°	247.6	246.5	257.8	254.2	245.1
70°	212.4	213.1	224.0	217.1	209.5
72.5°	175.3	180.7	187.3	182.2	176.7
75°	140.4	148.7	149.8	149.5	144.0
77.5°	106.2	116.7	114.2	116.7	112.4
80°	74.2	85.8	84.0	86.2	82.5
82.5°	45.8	56.4	56.7	58.2	54.9
85°	22.2	32.7	33.5	33.8	31.3
87.5°	4.7	15.3	15.6	14.5	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)