

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: P1213691

Luminaire Tested: 2SNLED-LD5-28SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213691
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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

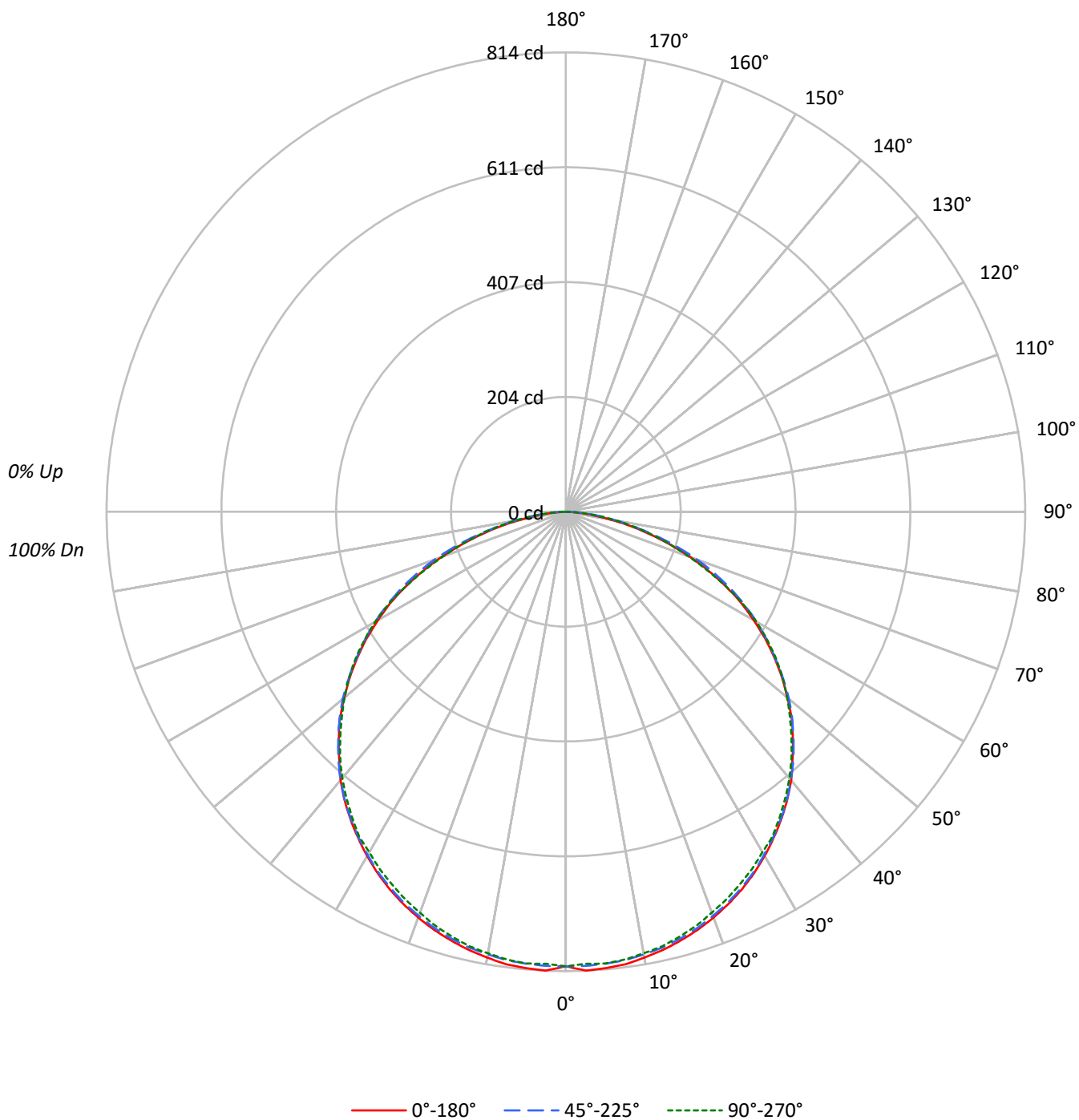
Lumens per Lamp: N/A
Luminaire Lumens: 2416.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	30	10	50	30	10
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°	13017	13017	13017
5°	13099	12697	12620
10°	13022	12395	12229
15°	12943	12096	11846
20°	12868	11778	11438
25°	12791	11460	11057
30°	12690	11120	10682
35°	12580	10770	10321
40°	12453	10397	9890
45°	12240	9959	9394
50°	11988	9483	8893
55°	11680	8855	8350
60°	11212	8214	7639
65°	10548	7393	6644
70°	9469	6325	5388
75°	7858	4800	4141
80°	5635	3137	2716
85°	2650	1512	1213

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12240 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	3.2
10°-20°	220.4	9.1
20°-30°	337.4	14.0
30°-40°	413.4	17.1
40°-50°	437.3	18.1
50°-60°	403.6	16.7
60°-70°	311.5	12.9
70°-80°	172.9	7.2
80°-90°	42.8	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°	634.3	26.3
0°-40°	1047.7	43.4
0°-60°	1888.7	78.2
0°-90°	2416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2416.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	812	801	804	802	803	77
15°	786	777	783	780	779	222
25°	738	729	735	729	729	340
35°	666	658	664	657	661	416
45°	569	564	571	564	565	439
55°	452	448	453	453	455	403
65°	313	310	322	320	314	308
75°	155	164	166	165	159	165
85°	24	36	37	37	35	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.4	805.4	805.4	805.4	805.4
2.5°	813.8	803.4	805.4	804.2	801.8
5°	811.8	801.4	803.8	801.8	803.4
7.5°	808.6	797.3	801.4	798.5	800.2
10°	802.2	792.5	796.5	793.3	794.5
12.5°	795.3	785.3	790.9	786.9	788.5
15°	786.5	777.2	782.9	780.0	779.2
17.5°	776.8	768.0	773.6	770.4	769.2
20°	765.2	756.7	762.0	757.1	755.9
22.5°	752.3	743.9	749.9	743.1	743.5
25°	738.2	729.4	735.4	729.0	728.6
27.5°	722.1	713.7	720.1	713.3	714.1
30°	704.5	696.0	702.4	695.6	696.4
32.5°	685.2	678.3	683.9	677.5	681.9
35°	665.5	658.2	664.2	657.0	660.6
37.5°	644.1	637.3	643.7	635.7	638.9
40°	621.2	615.2	620.8	613.6	616.4
42.5°	594.7	591.1	596.7	589.5	591.9
45°	569.0	563.7	570.6	564.5	565.3
47.5°	543.2	537.6	544.0	538.8	538.4
50°	512.3	510.2	516.3	512.3	511.9
52.5°	482.9	478.9	485.3	483.3	484.5
55°	451.5	447.9	453.2	452.7	455.2
57.5°	419.0	415.4	422.2	421.4	423.4
60°	384.4	381.6	390.4	388.4	390.0
62.5°	350.6	345.4	356.7	355.0	354.2
65°	312.8	309.6	321.7	319.7	313.6
67.5°	273.8	272.6	285.1	281.1	271.0
70°	234.8	235.6	247.7	240.0	231.6
72.5°	193.8	199.8	207.1	201.4	195.4
75°	155.2	164.5	165.7	165.3	159.2
77.5°	117.4	129.1	126.3	129.1	124.2
80°	82.0	94.9	92.9	95.3	91.3
82.5°	50.7	62.3	62.7	64.3	60.7
85°	24.5	36.2	37.0	37.4	34.6
87.5°	5.2	16.9	17.3	16.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)