

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: P1213047

Luminaire Tested: 4SNLED-LD5-32SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213047
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-LD5-32SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

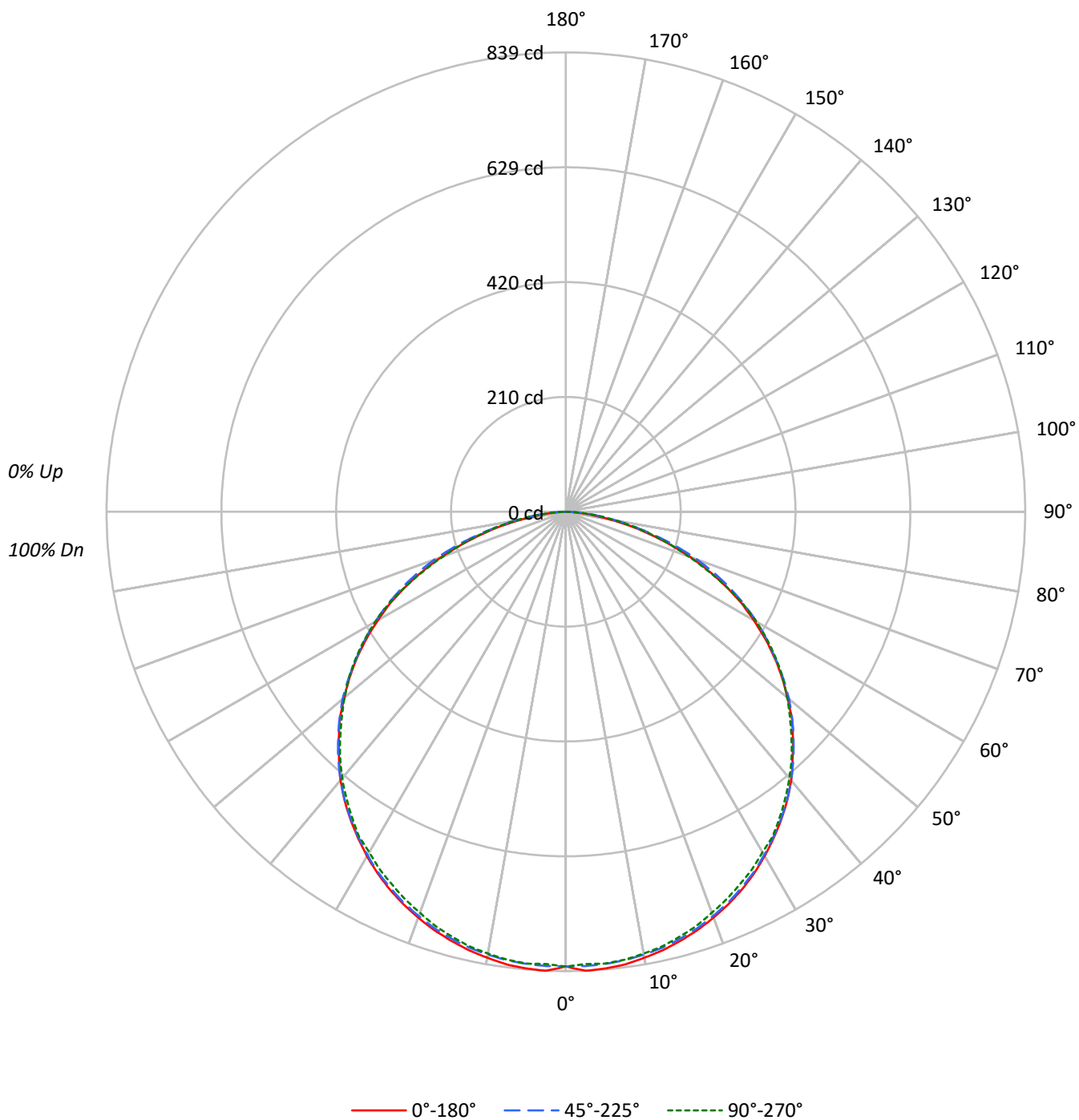
Lumens per Lamp: N/A
Luminaire Lumens: 2491.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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°	6710	6710	6710
5°	6771	6557	6505
10°	6750	6414	6305
15°	6728	6270	6107
20°	6708	6116	5897
25°	6689	5961	5700
30°	6657	5796	5506
35°	6624	5624	5321
40°	6584	5440	5098
45°	6501	5222	4843
50°	6402	4984	4584
55°	6280	4666	4304
60°	6076	4343	3938
65°	5779	3923	3426
70°	5268	3371	2778
75°	4474	2572	2135
80°	3344	1695	1400
85°	1728	824	626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6501 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	3.2
10°-20°	227.3	9.1
20°-30°	347.9	14.0
30°-40°	426.3	17.1
40°-50°	450.9	18.1
50°-60°	416.2	16.7
60°-70°	321.2	12.9
70°-80°	178.3	7.2
80°-90°	44.2	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°	654.0	26.3
0°-40°	1080.3	43.4
0°-60°	1947.3	78.2
0°-90°	2491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2491.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	837	826	829	827	828	80
15°	811	801	807	804	803	229
25°	761	752	758	752	751	351
35°	686	679	685	677	681	429
45°	587	581	588	582	583	453
55°	466	462	467	467	469	416
65°	322	319	332	330	323	318
75°	160	170	171	170	164	170
85°	25	37	38	39	36	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	830.4	830.4	830.4	830.4	830.4
2.5°	839.1	828.3	830.4	829.1	826.6
5°	837.0	826.2	828.7	826.6	828.3
7.5°	833.7	822.1	826.2	823.3	825.0
10°	827.1	817.1	821.3	817.9	819.2
12.5°	820.0	809.7	815.5	811.3	813.0
15°	810.9	801.4	807.2	804.3	803.4
17.5°	800.9	791.8	797.6	794.3	793.1
20°	788.9	780.2	785.6	780.6	779.4
22.5°	775.7	767.0	773.2	766.1	766.5
25°	761.1	752.0	758.2	751.6	751.2
27.5°	744.6	735.9	742.5	735.4	736.3
30°	726.3	717.6	724.3	717.2	718.0
32.5°	706.4	699.4	705.2	698.5	703.1
35°	686.1	678.6	684.9	677.4	681.1
37.5°	664.1	657.1	663.7	655.4	658.7
40°	640.5	634.3	640.1	632.6	635.5
42.5°	613.1	609.4	615.2	607.8	610.2
45°	586.6	581.2	588.3	582.1	582.9
47.5°	560.1	554.3	560.9	555.5	555.1
50°	528.2	526.1	532.3	528.2	527.7
52.5°	497.9	493.8	500.4	498.3	499.6
55°	465.6	461.8	467.2	466.8	469.3
57.5°	432.0	428.2	435.3	434.5	436.5
60°	396.3	393.4	402.5	400.5	402.1
62.5°	361.5	356.1	367.7	366.1	365.2
65°	322.5	319.2	331.7	329.6	323.4
67.5°	282.3	281.1	293.9	289.8	279.4
70°	242.1	242.9	255.4	247.5	238.8
72.5°	199.8	206.0	213.5	207.7	201.5
75°	160.0	169.6	170.8	170.4	164.2
77.5°	121.1	133.1	130.2	133.1	128.1
80°	84.6	97.8	95.8	98.3	94.1
82.5°	52.2	64.3	64.7	66.3	62.6
85°	25.3	37.3	38.1	38.6	35.7
87.5°	5.4	17.4	17.8	16.6	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)