

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: P1214100

Luminaire Tested: 4SNLED-LD5-32SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214100
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

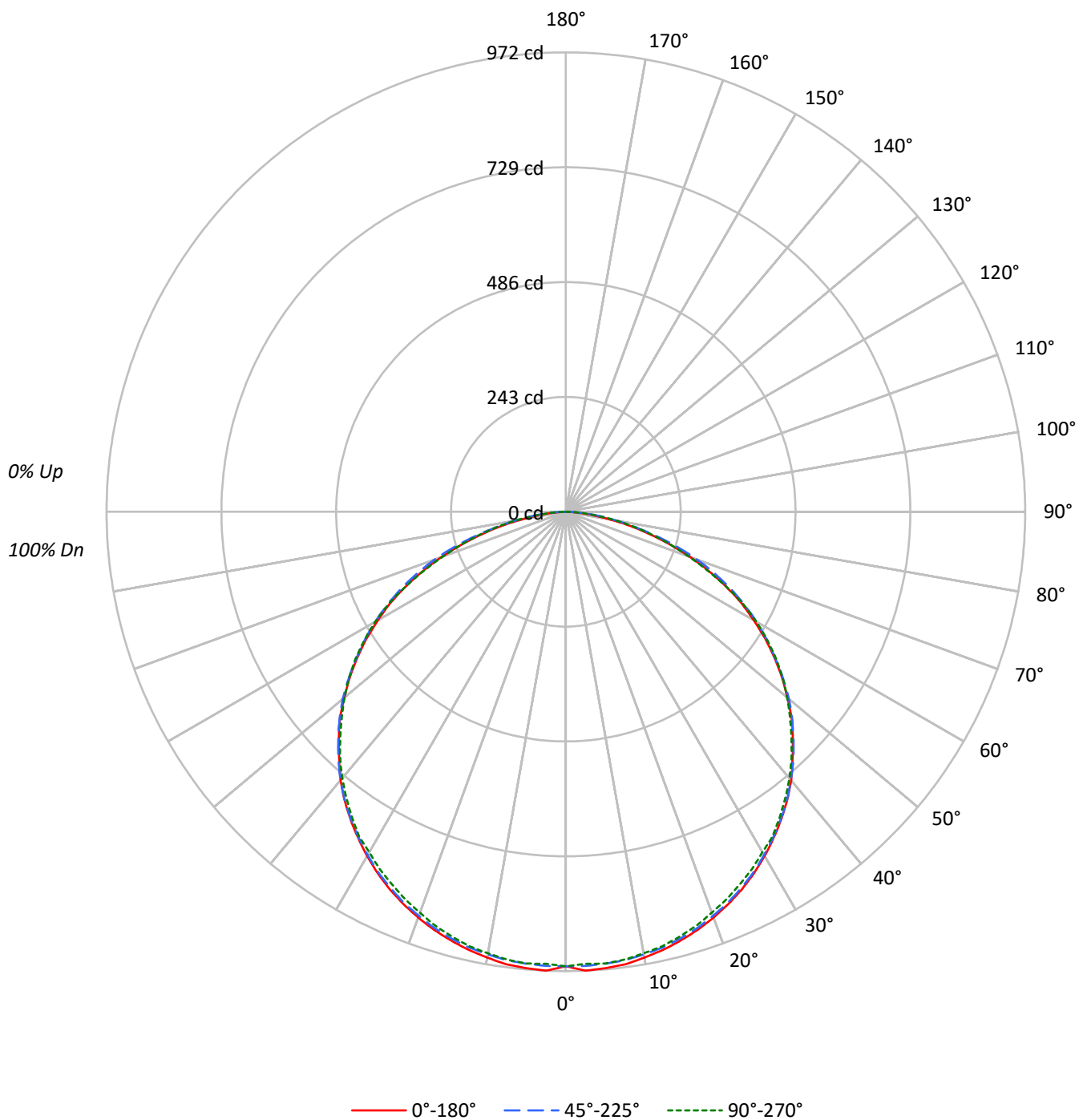
Lumens per Lamp: N/A
Luminaire Lumens: 2885.0 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	7772	7772	7772
5°	7842	7595	7534
10°	7817	7429	7302
15°	7792	7261	7073
20°	7769	7084	6830
25°	7747	6905	6602
30°	7710	6713	6378
35°	7671	6514	6163
40°	7625	6300	5905
45°	7529	6047	5610
50°	7414	5773	5309
55°	7272	5404	4985
60°	7037	5030	4561
65°	6693	4543	3967
70°	6101	3905	3217
75°	5181	2979	2472
80°	3870	1962	1621
85°	2002	956	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7529 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.3	3.2
10°-20°	263.2	9.1
20°-30°	402.9	14.0
30°-40°	493.7	17.1
40°-50°	522.2	18.1
50°-60°	482.0	16.7
60°-70°	372.0	12.9
70°-80°	206.5	7.2
80°-90°	51.1	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°	757.5	26.3
0°-40°	1251.1	43.4
0°-60°	2255.3	78.2
0°-90°	2885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	969	957	960	957	959	92
15°	939	928	935	932	930	265
25°	882	871	878	870	870	406
35°	795	786	793	784	789	497
45°	679	673	681	674	675	524
55°	539	535	541	541	544	481
65°	374	370	384	382	374	368
75°	185	196	198	197	190	197
85°	29	43	44	45	41	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	961.7	961.7	961.7	961.7	961.7
2.5°	971.8	959.3	961.7	960.3	957.4
5°	969.4	956.9	959.8	957.4	959.3
7.5°	965.6	952.1	956.9	953.6	955.5
10°	957.9	946.4	951.2	947.3	948.8
12.5°	949.7	937.7	944.4	939.6	941.6
15°	939.2	928.1	934.8	931.5	930.5
17.5°	927.6	917.1	923.8	919.9	918.5
20°	913.7	903.6	909.9	904.1	902.7
22.5°	898.3	888.3	895.5	887.3	887.8
25°	881.5	871.0	878.2	870.5	870.0
27.5°	862.3	852.2	859.9	851.8	852.7
30°	841.2	831.1	838.8	830.6	831.6
32.5°	818.2	810.0	816.7	809.0	814.3
35°	794.6	786.0	793.2	784.5	788.9
37.5°	769.2	761.0	768.7	759.1	762.9
40°	741.8	734.6	741.3	732.7	736.1
42.5°	710.1	705.8	712.5	703.9	706.8
45°	679.4	673.2	681.3	674.1	675.1
47.5°	648.7	641.9	649.6	643.4	642.9
50°	611.7	609.3	616.5	611.7	611.2
52.5°	576.6	571.8	579.5	577.1	578.6
55°	539.2	534.9	541.1	540.6	543.5
57.5°	500.3	496.0	504.1	503.2	505.6
60°	459.0	455.7	466.2	463.8	465.7
62.5°	418.7	412.4	425.9	424.0	423.0
65°	373.5	369.7	384.1	381.7	374.5
67.5°	327.0	325.5	340.4	335.6	323.6
70°	280.4	281.4	295.8	286.6	276.6
72.5°	231.4	238.6	247.3	240.6	233.3
75°	185.3	196.4	197.8	197.3	190.1
77.5°	140.2	154.1	150.8	154.1	148.4
80°	97.9	113.3	110.9	113.8	109.0
82.5°	60.5	74.4	74.9	76.8	72.5
85°	29.3	43.2	44.2	44.7	41.3
87.5°	6.2	20.2	20.6	19.2	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)