

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: P1213398

Luminaire Tested: 4SNLED-LD5-32SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213398
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-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

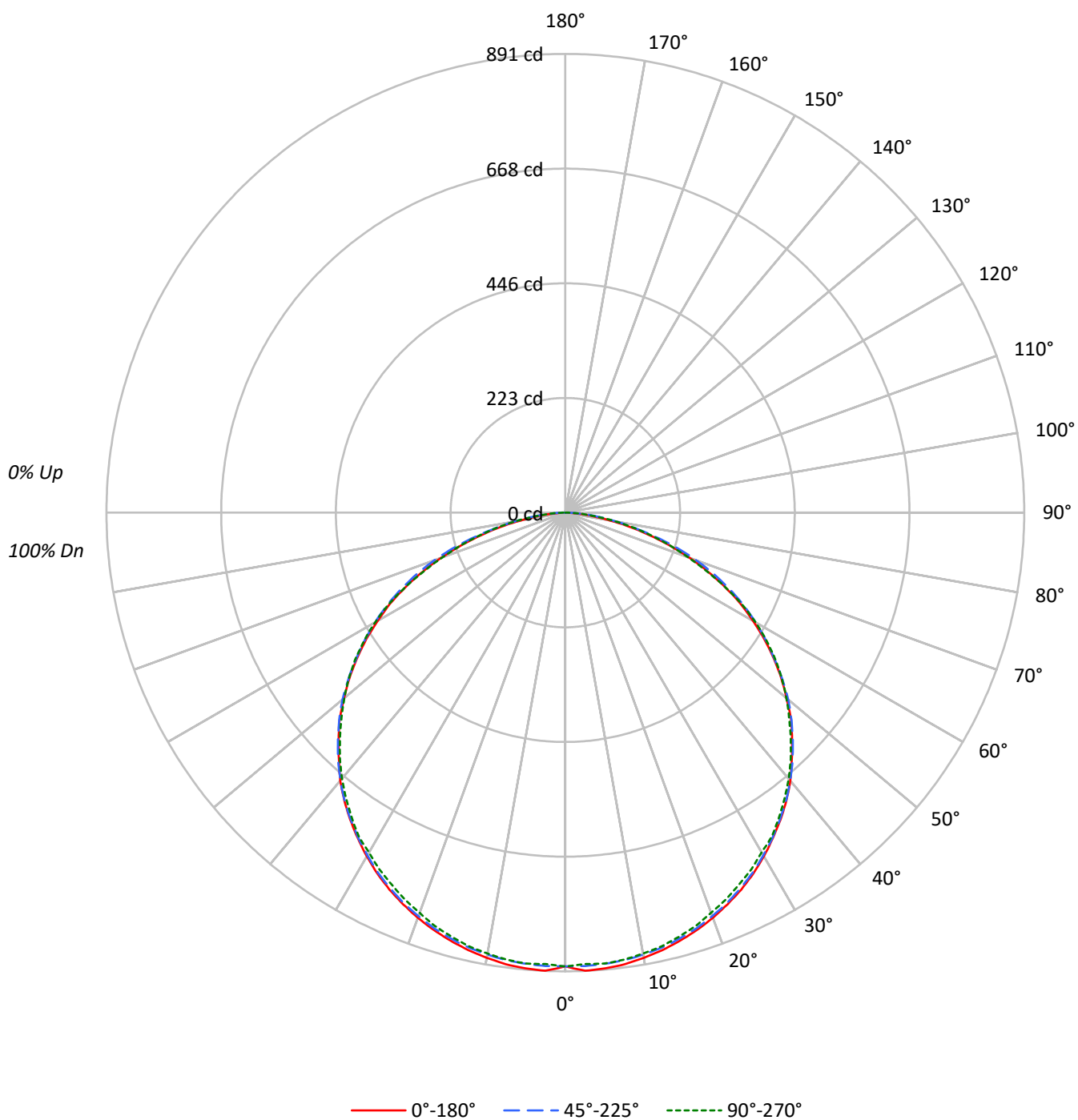
Lumens per Lamp: N/A
Luminaire Lumens: 2644.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	7123	7123	7123
5°	7187	6960	6905
10°	7164	6808	6692
15°	7141	6655	6483
20°	7120	6492	6259
25°	7100	6328	6050
30°	7066	6152	5845
35°	7031	5969	5648
40°	6988	5774	5412
45°	6900	5542	5141
50°	6795	5290	4866
55°	6665	4953	4569
60°	6450	4610	4180
65°	6134	4163	3636
70°	5592	3578	2949
75°	4751	2731	2267
80°	3550	1797	1486
85°	1831	876	662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6900 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	3.2
10°-20°	241.2	9.1
20°-30°	369.3	14.0
30°-40°	452.5	17.1
40°-50°	478.6	18.1
50°-60°	441.7	16.7
60°-70°	340.9	12.9
70°-80°	189.3	7.2
80°-90°	46.9	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°	694.2	26.3
0°-40°	1146.6	43.4
0°-60°	2066.9	78.2
0°-90°	2644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	881	881	881	881	881	
5°	888	877	880	877	879	84
15°	861	851	857	854	853	243
25°	808	798	805	798	797	372
35°	728	720	727	719	723	456
45°	623	617	624	618	619	480
55°	494	490	496	496	498	441
65°	342	339	352	350	343	338
75°	170	180	181	181	174	180
85°	27	40	40	41	38	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	881.4	881.4	881.4	881.4	881.4
2.5°	890.6	879.2	881.4	880.1	877.4
5°	888.4	877.0	879.6	877.4	879.2
7.5°	884.9	872.6	877.0	873.9	875.7
10°	877.9	867.3	871.7	868.2	869.5
12.5°	870.4	859.4	865.5	861.1	862.9
15°	860.7	850.6	856.7	853.7	852.8
17.5°	850.1	840.5	846.6	843.1	841.8
20°	837.4	828.1	833.9	828.6	827.3
22.5°	823.3	814.1	820.7	813.2	813.6
25°	807.9	798.2	804.8	797.8	797.3
27.5°	790.3	781.1	788.1	780.6	781.5
30°	770.9	761.7	768.7	761.3	762.1
32.5°	749.8	742.3	748.5	741.5	746.3
35°	728.3	720.3	726.9	719.0	723.0
37.5°	704.9	697.5	704.5	695.7	699.2
40°	679.8	673.2	679.4	671.5	674.6
42.5°	650.8	646.8	653.0	645.1	647.7
45°	622.6	616.9	624.4	617.8	618.7
47.5°	594.5	588.3	595.4	589.6	589.2
50°	560.6	558.4	565.0	560.6	560.2
52.5°	528.5	524.1	531.1	528.9	530.2
55°	494.2	490.2	495.9	495.5	498.1
57.5°	458.5	454.6	462.0	461.2	463.4
60°	420.7	417.6	427.3	425.1	426.8
62.5°	383.7	378.0	390.3	388.5	387.7
65°	342.3	338.8	352.0	349.8	343.2
67.5°	299.7	298.3	312.0	307.6	296.6
70°	257.0	257.9	271.1	262.7	253.5
72.5°	212.1	218.7	226.6	220.5	213.9
75°	169.9	180.0	181.3	180.9	174.3
77.5°	128.5	141.3	138.2	141.3	136.0
80°	89.8	103.8	101.6	104.3	99.9
82.5°	55.4	68.2	68.6	70.4	66.4
85°	26.8	39.6	40.5	40.9	37.8
87.5°	5.7	18.5	18.9	17.6	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)