

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: P1212998

Luminaire Tested: 2SNLED-LD5-37HL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1212998
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-LD5-37HL-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

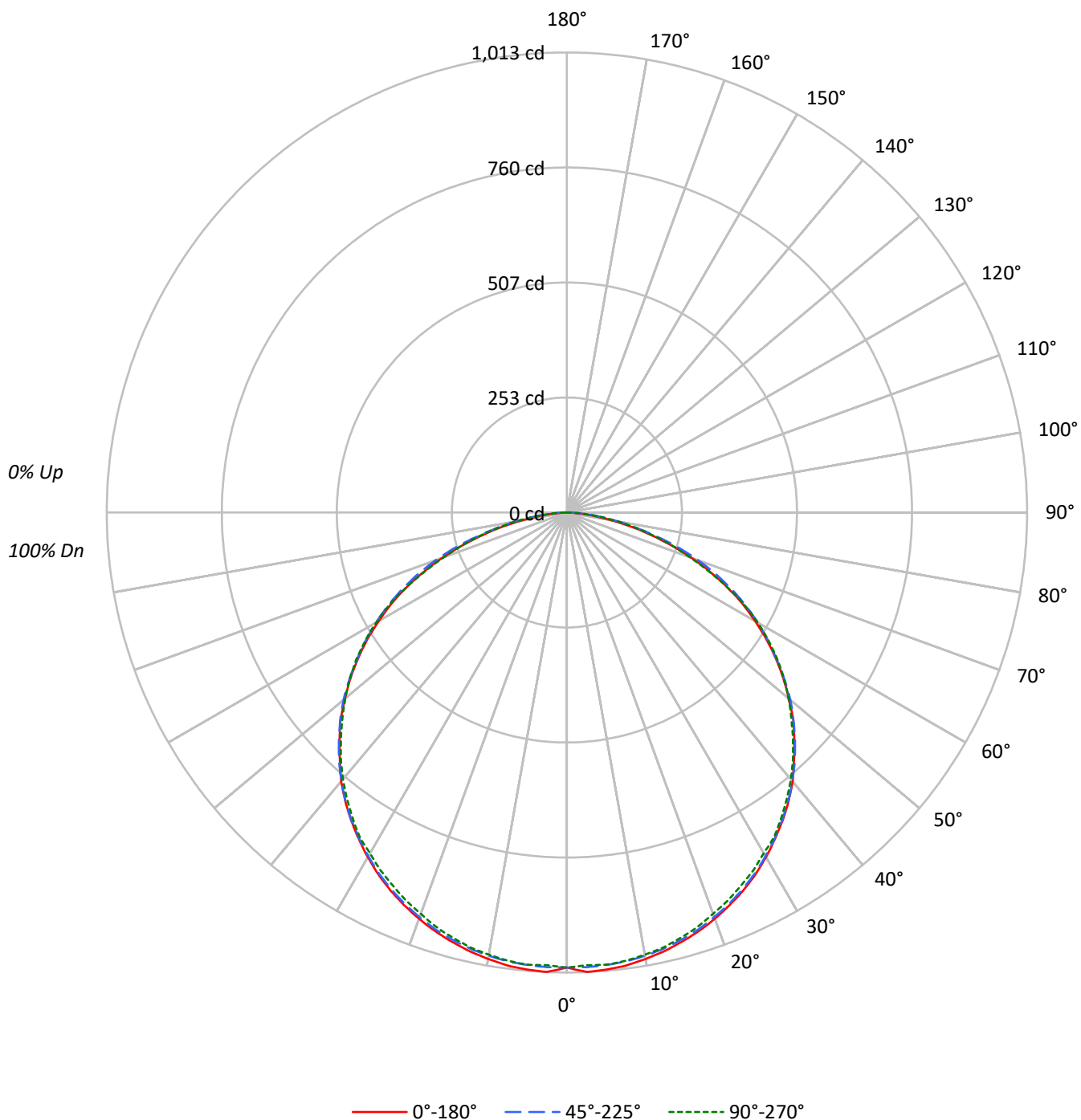
Lumens per Lamp: N/A
Luminaire Lumens: 3006.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27
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°	16196	16196	16196
5°	16299	15797	15702
10°	16202	15423	15217
15°	16103	15049	14739
20°	16010	14654	14232
25°	15916	14258	13757
30°	15788	13837	13291
35°	15652	13402	12843
40°	15494	12935	12304
45°	15228	12390	11689
50°	14916	11799	11064
55°	14533	11016	10388
60°	13950	10221	9506
65°	13125	9198	8267
70°	11784	7869	6704
75°	9778	5971	5152
80°	7016	3904	3379
85°	3299	1879	1507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15228 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.1	3.2
10°-20°	274.3	9.1
20°-30°	419.8	14.0
30°-40°	514.4	17.1
40°-50°	544.1	18.1
50°-60°	502.2	16.7
60°-70°	387.6	12.9
70°-80°	215.1	7.2
80°-90°	53.3	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°	789.2	26.3
0°-40°	1303.6	43.4
0°-60°	2349.9	78.2
0°-90°	3006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	1010	997	1000	998	1000	96
15°	978	967	974	970	970	276
25°	918	908	915	907	906	423
35°	828	819	826	818	822	518
45°	708	701	710	702	703	546
55°	562	557	564	563	566	501
65°	389	385	400	398	390	384
75°	193	205	206	206	198	205
85°	30	45	46	46	43	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1002.1	1002.1	1002.1	1002.1	1002.1
2.5°	1012.6	999.6	1002.1	1000.6	997.6
5°	1010.1	997.1	1000.1	997.6	999.6
7.5°	1006.1	992.1	997.1	993.6	995.6
10°	998.1	986.0	991.1	987.0	988.6
12.5°	989.6	977.0	984.0	979.0	981.0
15°	978.5	967.0	974.0	970.5	969.5
17.5°	966.5	955.5	962.5	958.5	957.0
20°	952.0	941.5	948.0	942.0	940.5
22.5°	936.0	925.5	933.0	924.5	925.0
25°	918.5	907.5	915.0	907.0	906.5
27.5°	898.5	888.0	896.0	887.5	888.5
30°	876.5	866.0	874.0	865.5	866.5
32.5°	852.5	844.0	851.0	843.0	848.5
35°	828.0	819.0	826.5	817.5	822.0
37.5°	801.4	792.9	800.9	790.9	794.9
40°	772.9	765.4	772.4	763.4	766.9
42.5°	739.9	735.4	742.4	733.4	736.4
45°	707.9	701.4	709.9	702.4	703.4
47.5°	675.9	668.9	676.9	670.4	669.9
50°	637.4	634.9	642.4	637.4	636.9
52.5°	600.8	595.8	603.8	601.3	602.8
55°	561.8	557.3	563.8	563.3	566.3
57.5°	521.3	516.8	525.3	524.3	526.8
60°	478.3	474.8	485.8	483.3	485.3
62.5°	436.2	429.7	443.7	441.7	440.7
65°	389.2	385.2	400.2	397.7	390.2
67.5°	340.7	339.2	354.7	349.7	337.2
70°	292.2	293.2	308.2	298.7	288.2
72.5°	241.1	248.6	257.6	250.6	243.1
75°	193.1	204.6	206.1	205.6	198.1
77.5°	146.1	160.6	157.1	160.6	154.6
80°	102.1	118.1	115.6	118.6	113.6
82.5°	63.0	77.5	78.0	80.0	75.5
85°	30.5	45.0	46.0	46.5	43.0
87.5°	6.5	21.0	21.5	20.0	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)