

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: P1213349

Luminaire Tested: 2SNLED-LD5-37HL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213349
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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

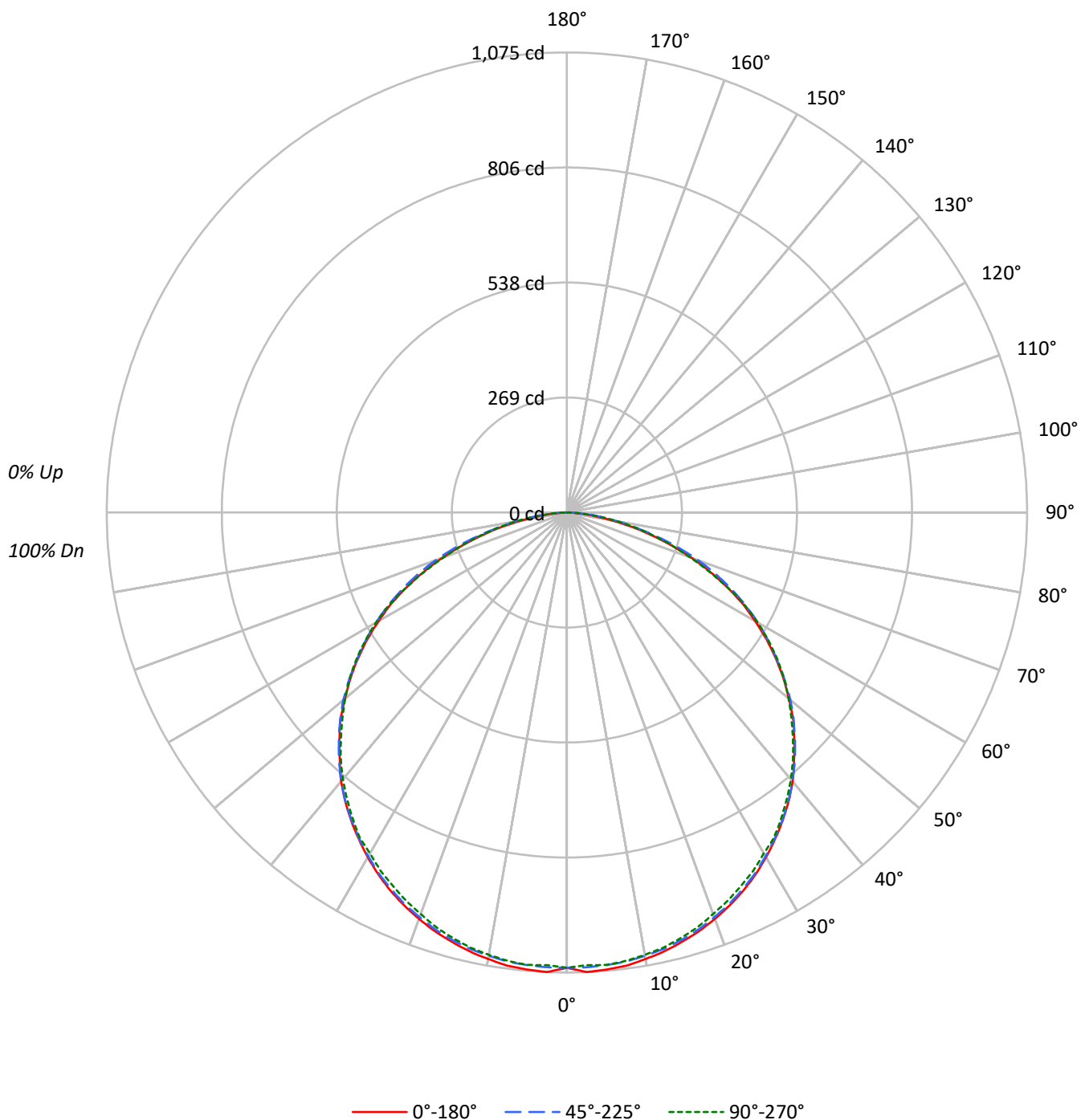
Lumens per Lamp: N/A
Luminaire Lumens: 3191.0 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	17192	17192	17192
5°	17301	16769	16668
10°	17198	16371	16153
15°	17095	15976	15647
20°	16995	15556	15108
25°	16895	15136	14604
30°	16759	14689	14108
35°	16614	14225	13632
40°	16448	13733	13062
45°	16166	13152	12409
50°	15833	12524	11744
55°	15428	11694	11028
60°	14808	10851	10090
65°	13934	9765	8776
70°	12506	8352	7116
75°	10380	6339	5470
80°	7442	4144	3587
85°	3505	1998	1602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	3.2
10°-20°	291.2	9.1
20°-30°	445.7	14.0
30°-40°	546.0	17.1
40°-50°	577.6	18.1
50°-60°	533.1	16.7
60°-70°	411.5	12.9
70°-80°	228.4	7.2
80°-90°	56.6	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°	837.8	26.3
0°-40°	1383.8	43.4
0°-60°	2494.5	78.2
0°-90°	3191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1064	1064	1064	1064	1064	
5°	1072	1058	1062	1059	1061	102
15°	1039	1027	1034	1030	1029	293
25°	975	963	971	963	962	449
35°	879	869	877	868	872	550
45°	752	745	754	746	747	580
55°	596	592	598	598	601	532
65°	413	409	425	422	414	407
75°	205	217	219	218	210	217
85°	32	48	49	49	46	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1063.7	1063.7	1063.7	1063.7	1063.7
2.5°	1074.9	1061.1	1063.7	1062.1	1058.9
5°	1072.2	1058.4	1061.6	1058.9	1061.1
7.5°	1068.0	1053.1	1058.4	1054.7	1056.8
10°	1059.5	1046.7	1052.0	1047.8	1049.4
12.5°	1050.5	1037.2	1044.6	1039.3	1041.4
15°	1038.8	1026.6	1034.0	1030.3	1029.2
17.5°	1026.0	1014.3	1021.8	1017.5	1015.9
20°	1010.6	999.5	1006.4	1000.0	998.4
22.5°	993.6	982.5	990.4	981.4	981.9
25°	975.0	963.4	971.3	962.8	962.3
27.5°	953.8	942.6	951.1	942.1	943.2
30°	930.4	919.3	927.8	918.7	919.8
32.5°	904.9	895.9	903.3	894.8	900.7
35°	878.9	869.4	877.3	867.8	872.5
37.5°	850.8	841.7	850.2	839.6	843.9
40°	820.5	812.5	820.0	810.4	814.1
42.5°	785.4	780.7	788.1	778.5	781.7
45°	751.5	744.6	753.6	745.6	746.7
47.5°	717.5	710.0	718.5	711.6	711.1
50°	676.6	673.9	681.9	676.6	676.0
52.5°	637.8	632.5	641.0	638.3	639.9
55°	596.4	591.6	598.5	598.0	601.2
57.5°	553.4	548.6	557.6	556.6	559.2
60°	507.7	504.0	515.7	513.0	515.1
62.5°	463.1	456.2	471.1	468.9	467.9
65°	413.2	408.9	424.9	422.2	414.2
67.5°	361.7	360.1	376.5	371.2	357.9
70°	310.1	311.2	327.1	317.0	305.9
72.5°	256.0	263.9	273.5	266.1	258.1
75°	205.0	217.2	218.8	218.3	210.3
77.5°	155.1	170.5	166.8	170.5	164.1
80°	108.3	125.3	122.7	125.9	120.6
82.5°	66.9	82.3	82.8	85.0	80.2
85°	32.4	47.8	48.9	49.4	45.7
87.5°	6.9	22.3	22.8	21.2	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)