

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: P1212973

Luminaire Tested: 2SNLED-LD5-20SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1212973
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-LD5-20SL-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

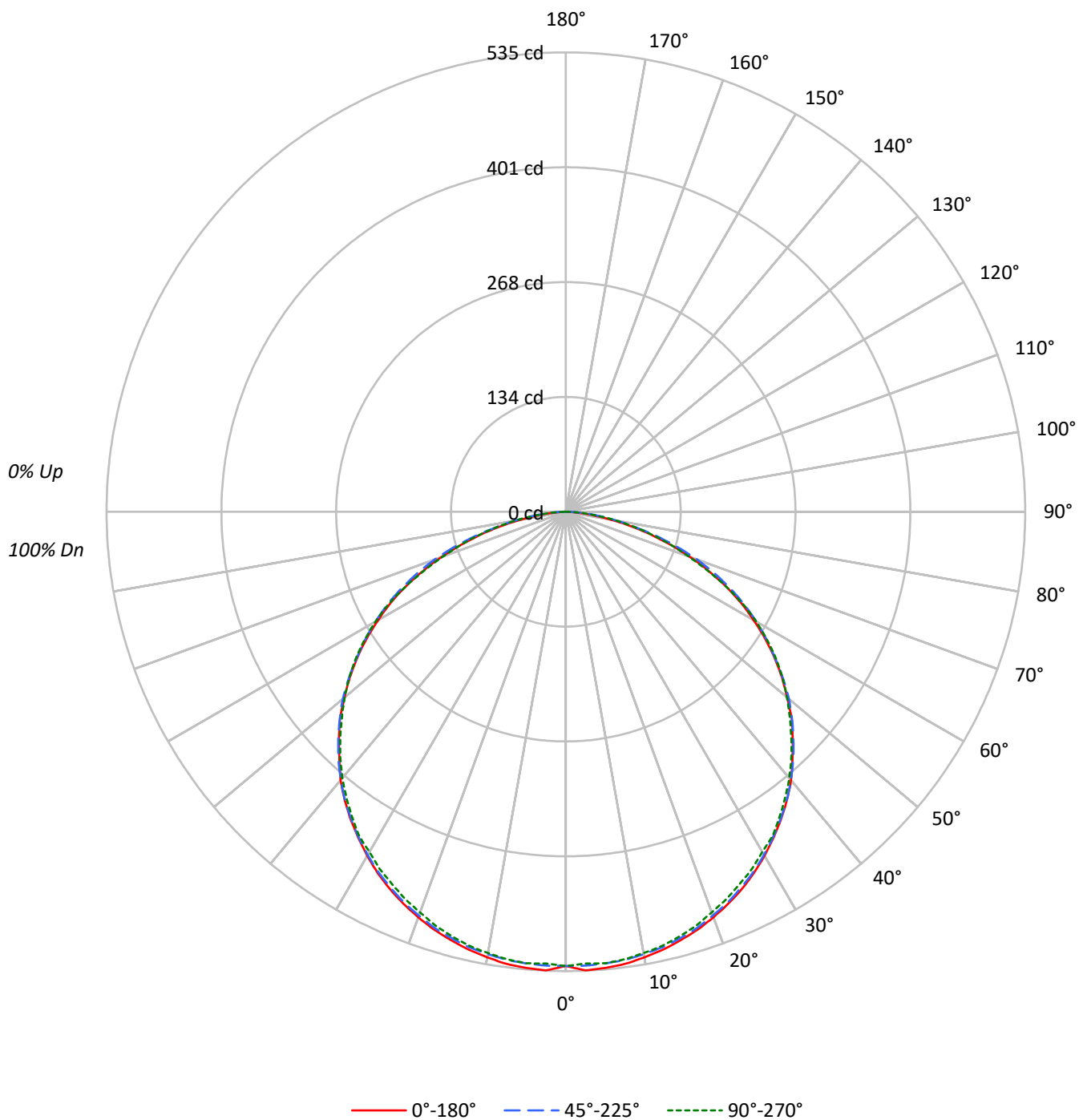
Lumens per Lamp: N/A
Luminaire Lumens: 1587.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 14
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°	8550	8550	8550
5°	8605	8340	8289
10°	8553	8142	8033
15°	8501	7945	7782
20°	8452	7736	7513
25°	8402	7528	7263
30°	8334	7305	7017
35°	8262	7075	6779
40°	8181	6829	6496
45°	8039	6541	6172
50°	7874	6228	5841
55°	7673	5816	5485
60°	7365	5397	5019
65°	6930	4856	4365
70°	6219	4154	3538
75°	5160	3152	2721
80°	3704	2060	1785
85°	1741	993	796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8039 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	3.2
10°-20°	144.8	9.1
20°-30°	221.7	14.0
30°-40°	271.6	17.1
40°-50°	287.3	18.1
50°-60°	265.1	16.7
60°-70°	204.7	12.9
70°-80°	113.6	7.2
80°-90°	28.1	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°	416.7	26.3
0°-40°	688.2	43.4
0°-60°	1240.6	78.2
0°-90°	1587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	533	526	528	527	528	51
15°	517	510	514	512	512	146
25°	485	479	483	479	479	224
35°	437	432	436	432	434	273
45°	374	370	375	371	371	288
55°	297	294	298	297	299	265
65°	206	203	211	210	206	203
75°	102	108	109	109	105	108
85°	16	24	24	25	23	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	529.0	529.0	529.0	529.0	529.0
2.5°	534.6	527.7	529.0	528.2	526.7
5°	533.3	526.4	528.0	526.7	527.7
7.5°	531.1	523.7	526.4	524.5	525.6
10°	526.9	520.6	523.2	521.1	521.9
12.5°	522.4	515.8	519.5	516.9	517.9
15°	516.6	510.5	514.2	512.4	511.9
17.5°	510.3	504.5	508.2	506.1	505.3
20°	502.6	497.1	500.5	497.3	496.5
22.5°	494.2	488.6	492.6	488.1	488.4
25°	484.9	479.1	483.1	478.8	478.6
27.5°	474.4	468.8	473.0	468.5	469.1
30°	462.7	457.2	461.4	456.9	457.5
32.5°	450.1	445.6	449.3	445.0	447.9
35°	437.1	432.4	436.3	431.6	433.9
37.5°	423.1	418.6	422.9	417.6	419.7
40°	408.1	404.1	407.8	403.0	404.9
42.5°	390.6	388.3	392.0	387.2	388.8
45°	373.7	370.3	374.8	370.8	371.4
47.5°	356.8	353.1	357.4	353.9	353.7
50°	336.5	335.2	339.1	336.5	336.2
52.5°	317.2	314.6	318.8	317.5	318.3
55°	296.6	294.2	297.7	297.4	299.0
57.5°	275.2	272.8	277.3	276.8	278.1
60°	252.5	250.6	256.5	255.1	256.2
62.5°	230.3	226.9	234.3	233.2	232.7
65°	205.5	203.4	211.3	210.0	206.0
67.5°	179.9	179.1	187.3	184.6	178.0
70°	154.2	154.8	162.7	157.7	152.1
72.5°	127.3	131.3	136.0	132.3	128.4
75°	101.9	108.0	108.8	108.6	104.6
77.5°	77.1	84.8	82.9	84.8	81.6
80°	53.9	62.3	61.0	62.6	60.0
82.5°	33.3	40.9	41.2	42.3	39.9
85°	16.1	23.8	24.3	24.6	22.7
87.5°	3.4	11.1	11.4	10.6	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)