

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: P1213370

Luminaire Tested: 4SNLED-LD5-20SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213370
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-LD5-20SL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

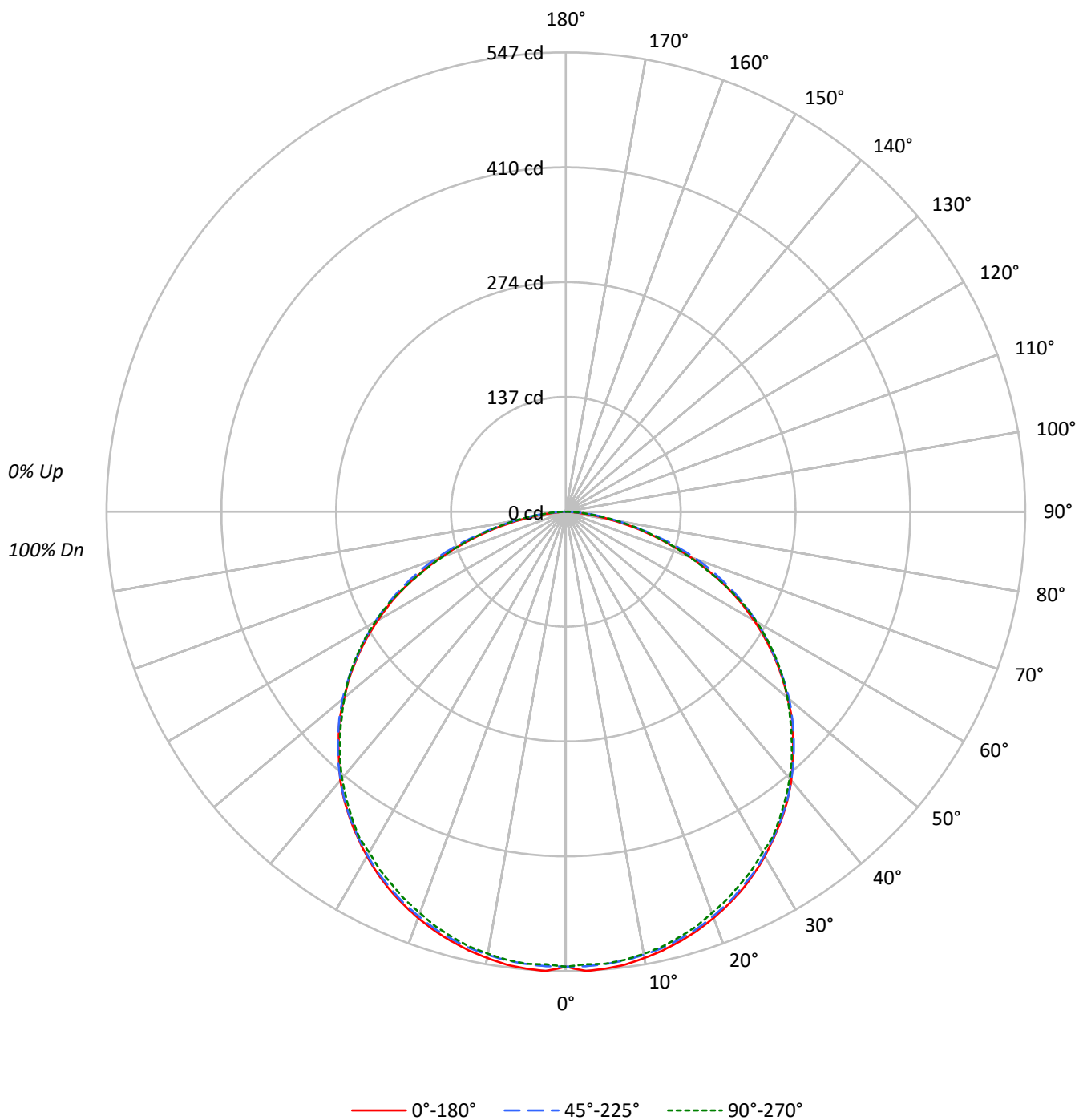
Lumens per Lamp: N/A
Luminaire Lumens: 1625.0 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 13
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°	4377	4377	4377
5°	4417	4278	4243
10°	4403	4184	4113
15°	4389	4090	3984
20°	4376	3990	3847
25°	4363	3889	3718
30°	4343	3781	3592
35°	4321	3669	3471
40°	4295	3549	3326
45°	4241	3407	3159
50°	4175	3251	2991
55°	4096	3044	2808
60°	3963	2833	2569
65°	3770	2560	2234
70°	3436	2199	1812
75°	2919	1678	1393
80°	2182	1106	913
85°	1127	539	408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4241 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	3.2
10°-20°	148.3	9.1
20°-30°	227.0	14.0
30°-40°	278.1	17.1
40°-50°	294.1	18.1
50°-60°	271.5	16.7
60°-70°	209.5	12.9
70°-80°	116.3	7.2
80°-90°	28.8	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°	426.6	26.3
0°-40°	704.7	43.4
0°-60°	1270.3	78.2
0°-90°	1625.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1625.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	542	542	542	542	542	
5°	546	539	541	539	540	52
15°	529	523	527	525	524	149
25°	496	491	495	490	490	229
35°	448	443	447	442	444	280
45°	383	379	384	380	380	295
55°	304	301	305	304	306	271
65°	210	208	216	215	211	207
75°	104	111	111	111	107	111
85°	16	24	25	25	23	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	541.7	541.7	541.7	541.7	541.7
2.5°	547.4	540.3	541.7	540.9	539.3
5°	546.0	539.0	540.6	539.3	540.3
7.5°	543.9	536.3	539.0	537.1	538.2
10°	539.5	533.0	535.7	533.6	534.4
12.5°	534.9	528.2	532.0	529.3	530.3
15°	529.0	522.8	526.6	524.7	524.1
17.5°	522.5	516.5	520.3	518.2	517.4
20°	514.7	509.0	512.5	509.2	508.4
22.5°	506.0	500.3	504.4	499.8	500.0
25°	496.5	490.6	494.6	490.3	490.0
27.5°	485.7	480.0	484.4	479.8	480.3
30°	473.8	468.1	472.5	467.9	468.4
32.5°	460.8	456.2	460.0	455.7	458.7
35°	447.6	442.7	446.8	441.9	444.3
37.5°	433.3	428.7	433.0	427.6	429.7
40°	417.8	413.8	417.6	412.7	414.6
42.5°	400.0	397.6	401.3	396.5	398.1
45°	382.7	379.2	383.8	379.7	380.2
47.5°	365.4	361.6	365.9	362.4	362.1
50°	344.5	343.2	347.2	344.5	344.3
52.5°	324.8	322.1	326.4	325.1	325.9
55°	303.7	301.3	304.8	304.5	306.1
57.5°	281.8	279.4	284.0	283.4	284.8
60°	258.5	256.7	262.6	261.2	262.3
62.5°	235.8	232.3	239.9	238.8	238.3
65°	210.4	208.2	216.4	215.0	210.9
67.5°	184.2	183.4	191.7	189.0	182.3
70°	157.9	158.5	166.6	161.5	155.8
72.5°	130.4	134.4	139.3	135.5	131.4
75°	104.4	110.6	111.4	111.2	107.1
77.5°	79.0	86.8	84.9	86.8	83.6
80°	55.2	63.8	62.5	64.1	61.4
82.5°	34.1	41.9	42.2	43.3	40.8
85°	16.5	24.3	24.9	25.2	23.3
87.5°	3.5	11.4	11.6	10.8	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)