

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: P1213324

Luminaire Tested: 2SNLED-LD5-20SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213324
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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

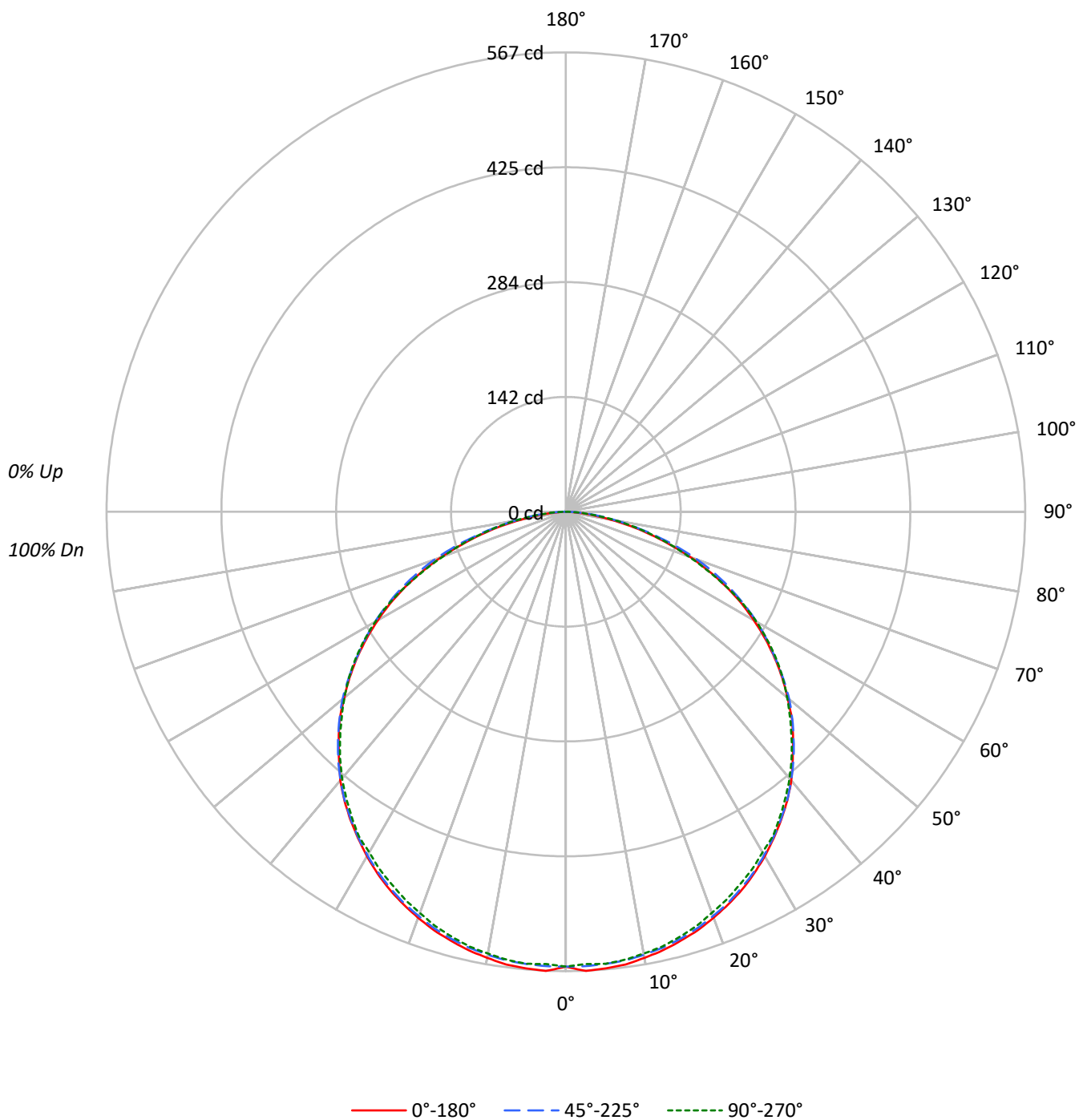
Lumens per Lamp: N/A
Luminaire Lumens: 1684.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	30	10	50	30	10
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°	9073	9073	9073
5°	9129	8849	8796
10°	9076	8640	8524
15°	9021	8431	8257
20°	8968	8209	7973
25°	8917	7988	7707
30°	8844	7751	7445
35°	8767	7507	7195
40°	8680	7246	6893
45°	8532	6941	6548
50°	8356	6610	6198
55°	8141	6172	5820
60°	7814	5725	5326
65°	7352	5153	4632
70°	6602	4407	3755
75°	5479	3346	2887
80°	3931	2185	1892
85°	1850	1054	845

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8532 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	3.2
10°-20°	153.7	9.1
20°-30°	235.2	14.0
30°-40°	288.2	17.1
40°-50°	304.8	18.1
50°-60°	281.4	16.7
60°-70°	217.1	12.9
70°-80°	120.5	7.2
80°-90°	29.9	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°	442.1	26.3
0°-40°	730.3	43.4
0°-60°	1316.5	78.2
0°-90°	1684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1684.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	561	561	561	561	561	
5°	566	559	560	559	560	54
15°	548	542	546	544	543	155
25°	515	508	513	508	508	237
35°	464	459	463	458	460	290
45°	397	393	398	394	394	306
55°	315	312	316	316	317	281
65°	218	216	224	223	219	215
75°	108	115	116	115	111	115
85°	17	25	26	26	24	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	561.4	561.4	561.4	561.4	561.4
2.5°	567.3	560.0	561.4	560.5	558.8
5°	565.8	558.6	560.2	558.8	560.0
7.5°	563.6	555.8	558.6	556.6	557.7
10°	559.1	552.4	555.2	553.0	553.8
12.5°	554.4	547.4	551.3	548.5	549.6
15°	548.2	541.7	545.7	543.7	543.1
17.5°	541.5	535.3	539.2	537.0	536.1
20°	533.3	527.5	531.1	527.7	526.9
22.5°	524.4	518.5	522.7	517.9	518.2
25°	514.6	508.4	512.6	508.1	507.8
27.5°	503.4	497.5	501.9	497.2	497.7
30°	491.0	485.1	489.6	484.9	485.4
32.5°	477.6	472.8	476.7	472.2	475.3
35°	463.8	458.8	463.0	457.9	460.5
37.5°	449.0	444.2	448.7	443.1	445.3
40°	433.0	428.8	432.7	427.7	429.6
42.5°	414.5	412.0	415.9	410.9	412.5
45°	396.6	392.9	397.7	393.5	394.0
47.5°	378.6	374.7	379.2	375.6	375.3
50°	357.1	355.7	359.9	357.1	356.8
52.5°	336.6	333.8	338.3	336.9	337.7
55°	314.7	312.2	315.9	315.6	317.3
57.5°	292.0	289.5	294.3	293.7	295.1
60°	267.9	266.0	272.1	270.7	271.9
62.5°	244.4	240.7	248.6	247.5	246.9
65°	218.0	215.8	224.2	222.8	218.6
67.5°	190.9	190.0	198.7	195.9	188.9
70°	163.7	164.2	172.6	167.3	161.4
72.5°	135.1	139.3	144.3	140.4	136.2
75°	108.2	114.6	115.5	115.2	111.0
77.5°	81.8	90.0	88.0	90.0	86.6
80°	57.2	66.1	64.7	66.4	63.6
82.5°	35.3	43.4	43.7	44.8	42.3
85°	17.1	25.2	25.8	26.1	24.1
87.5°	3.6	11.8	12.1	11.2	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)