

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: P1214026

Luminaire Tested: 2SNLED-LD5-20SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214026
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

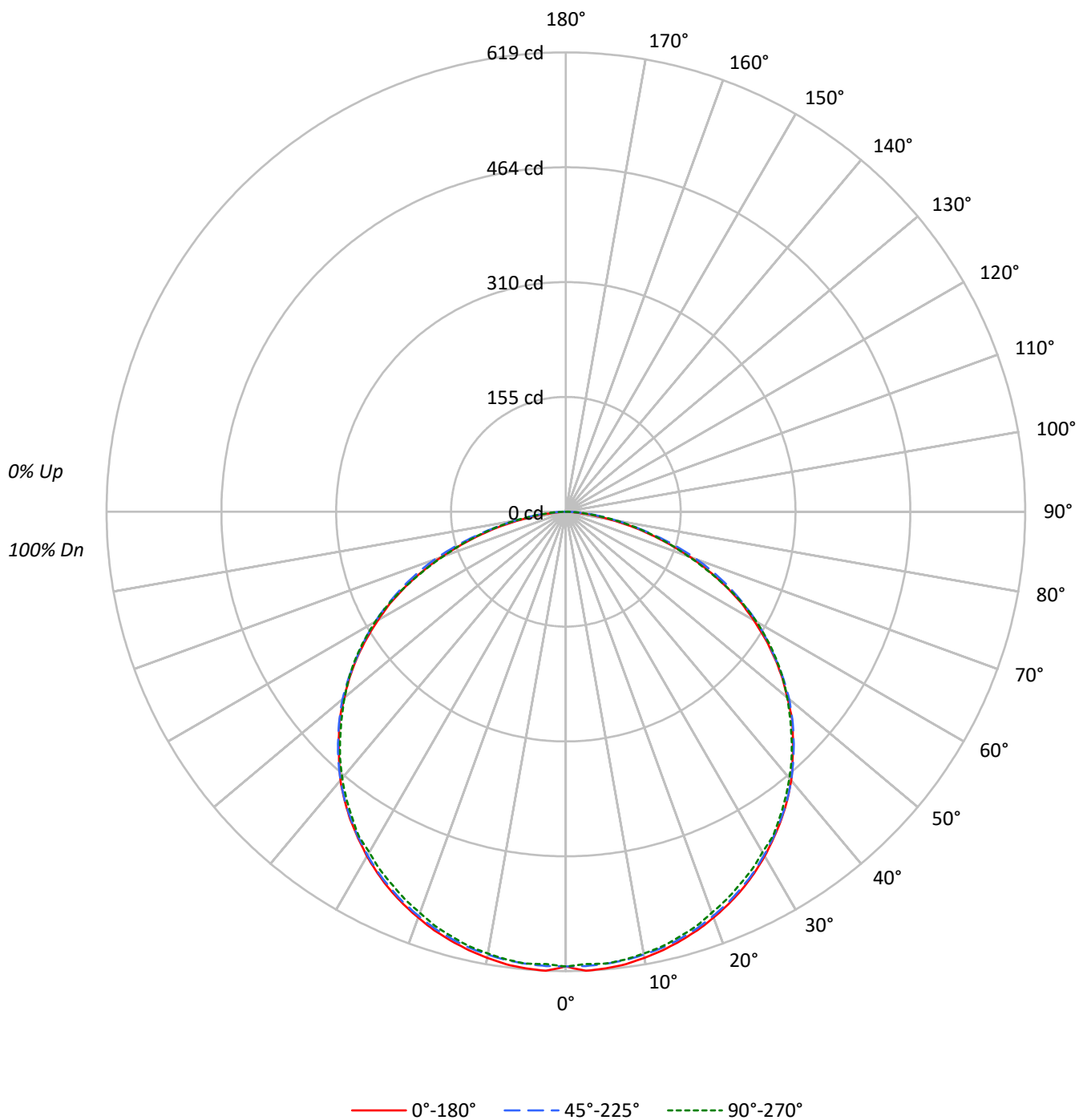
Lumens per Lamp: N/A
Luminaire Lumens: 1838.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	9902	9902	9902
5°	9965	9659	9601
10°	9907	9430	9303
15°	9846	9202	9012
20°	9789	8961	8702
25°	9731	8719	8412
30°	9653	8461	8126
35°	9571	8193	7852
40°	9474	7910	7523
45°	9310	7576	7148
50°	9119	7214	6765
55°	8886	6735	6352
60°	8528	6249	5812
65°	8026	5624	5055
70°	7203	4811	4099
75°	5980	3650	3150
80°	4288	2388	2064
85°	2023	1148	922

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9310 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	3.2
10°-20°	167.7	9.1
20°-30°	256.7	14.0
30°-40°	314.5	17.1
40°-50°	332.7	18.1
50°-60°	307.1	16.7
60°-70°	237.0	12.9
70°-80°	131.5	7.2
80°-90°	32.6	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°	482.6	26.3
0°-40°	797.1	43.4
0°-60°	1436.9	78.2
0°-90°	1838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	613	613	613	613	613	
5°	618	610	612	610	611	59
15°	598	591	596	593	593	169
25°	562	555	560	555	554	259
35°	506	501	505	500	503	317
45°	433	429	434	430	430	334
55°	344	341	345	344	346	307
65°	238	236	245	243	239	235
75°	118	125	126	126	121	125
85°	19	28	28	28	26	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	612.7	612.7	612.7	612.7	612.7
2.5°	619.1	611.2	612.7	611.8	609.9
5°	617.6	609.6	611.5	609.9	611.2
7.5°	615.1	606.6	609.6	607.5	608.7
10°	610.3	602.9	606.0	603.5	604.4
12.5°	605.1	597.4	601.7	598.6	599.9
15°	598.3	591.3	595.6	593.4	592.8
17.5°	591.0	584.3	588.5	586.1	585.2
20°	582.1	575.7	579.7	576.0	575.1
22.5°	572.3	565.9	570.5	565.3	565.6
25°	561.6	554.9	559.5	554.6	554.3
27.5°	549.4	543.0	547.9	542.7	543.3
30°	535.9	529.5	534.4	529.2	529.8
32.5°	521.2	516.0	520.3	515.4	518.8
35°	506.3	500.7	505.3	499.8	502.6
37.5°	490.0	484.8	489.7	483.6	486.1
40°	472.6	468.0	472.3	466.8	468.9
42.5°	452.4	449.7	453.9	448.4	450.3
45°	432.8	428.9	434.1	429.5	430.1
47.5°	413.3	409.0	413.9	409.9	409.6
50°	389.7	388.2	392.8	389.7	389.4
52.5°	367.4	364.3	369.2	367.7	368.6
55°	343.5	340.8	344.7	344.4	346.3
57.5°	318.7	316.0	321.2	320.6	322.1
60°	292.4	290.3	297.0	295.5	296.7
62.5°	266.7	262.8	271.3	270.1	269.5
65°	238.0	235.5	244.7	243.2	238.6
67.5°	208.3	207.4	216.9	213.8	206.2
70°	178.6	179.3	188.4	182.6	176.2
72.5°	147.4	152.0	157.5	153.3	148.7
75°	118.1	125.1	126.0	125.7	121.1
77.5°	89.3	98.2	96.1	98.2	94.5
80°	62.4	72.2	70.7	72.5	69.4
82.5°	38.5	47.4	47.7	48.9	46.2
85°	18.7	27.5	28.1	28.4	26.3
87.5°	4.0	12.8	13.2	12.2	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)