

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: P1214072

Luminaire Tested: 4SNLED-LD5-20SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214072
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

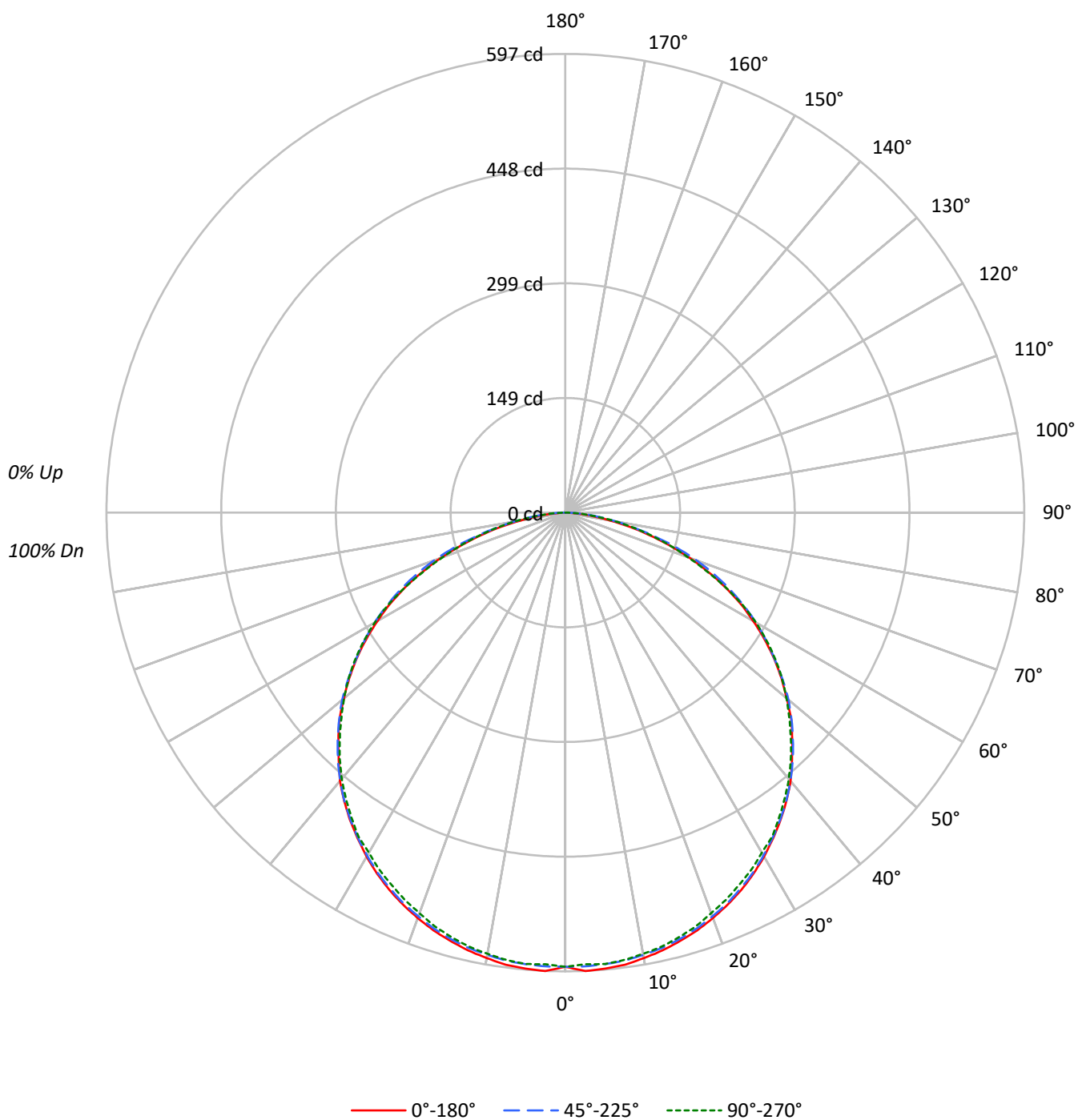
Lumens per Lamp: N/A
Luminaire Lumens: 1773.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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

TEST NUMBER: P1214072

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L950-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1214072

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L950-CD1-U

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°	4776	4776	4776
5°	4820	4668	4631
10°	4804	4565	4488
15°	4789	4463	4347
20°	4774	4353	4197
25°	4762	4243	4057
30°	4739	4125	3920
35°	4714	4003	3787
40°	4686	3872	3628
45°	4627	3716	3447
50°	4556	3548	3262
55°	4470	3321	3063
60°	4325	3091	2803
65°	4115	2793	2439
70°	3749	2400	1977
75°	3185	1831	1519
80°	2380	1206	997
85°	1230	586	445

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4627 cd/sqm

TEST NUMBER: P1214072

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	3.2
10°-20°	161.8	9.1
20°-30°	247.6	14.0
30°-40°	303.4	17.1
40°-50°	320.9	18.1
50°-60°	296.2	16.7
60°-70°	228.6	12.9
70°-80°	126.9	7.2
80°-90°	31.4	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°	465.5	26.3
0°-40°	768.9	43.4
0°-60°	1386.0	78.2
0°-90°	1773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	591	591	591	591	591	
5°	596	588	590	588	590	57
15°	577	570	574	572	572	163
25°	542	535	540	535	535	250
35°	488	483	488	482	485	306
45°	418	414	419	414	415	322
55°	331	329	332	332	334	296
65°	230	227	236	235	230	226
75°	114	121	122	121	117	121
85°	18	27	27	27	25	24
90°	0	0	0	0	0	

TEST NUMBER: P1214072

CATALOG NUMBER: 4SNLED-LD5-20SL-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	591.0	591.0	591.0	591.0	591.0
2.5°	597.2	589.6	591.0	590.1	588.4
5°	595.8	588.1	589.9	588.4	589.6
7.5°	593.4	585.1	588.1	586.0	587.2
10°	588.7	581.6	584.5	582.2	583.1
12.5°	583.7	576.3	580.4	577.5	578.6
15°	577.2	570.4	574.5	572.4	571.9
17.5°	570.1	563.6	567.7	565.4	564.5
20°	561.5	555.3	559.2	555.6	554.7
22.5°	552.1	545.9	550.3	545.3	545.6
25°	541.8	535.3	539.7	535.0	534.7
27.5°	530.0	523.8	528.5	523.5	524.1
30°	517.0	510.8	515.5	510.5	511.1
32.5°	502.8	497.8	501.9	497.2	500.4
35°	488.3	483.0	487.5	482.2	484.8
37.5°	472.7	467.7	472.4	466.5	468.9
40°	455.9	451.5	455.6	450.3	452.3
42.5°	436.4	433.8	437.9	432.6	434.3
45°	417.5	413.7	418.7	414.3	414.9
47.5°	398.6	394.5	399.2	395.4	395.1
50°	375.9	374.4	378.9	375.9	375.6
52.5°	354.4	351.4	356.2	354.7	355.6
55°	331.4	328.7	332.5	332.3	334.0
57.5°	307.5	304.8	309.8	309.2	310.7
60°	282.1	280.0	286.5	285.0	286.2
62.5°	257.3	253.5	261.7	260.6	260.0
65°	229.6	227.2	236.1	234.6	230.2
67.5°	200.9	200.1	209.2	206.3	198.9
70°	172.3	172.9	181.8	176.2	170.0
72.5°	142.2	146.7	152.0	147.8	143.4
75°	113.9	120.7	121.6	121.3	116.8
77.5°	86.2	94.7	92.7	94.7	91.2
80°	60.2	69.6	68.2	69.9	67.0
82.5°	37.2	45.7	46.0	47.2	44.6
85°	18.0	26.6	27.1	27.4	25.4
87.5°	3.8	12.4	12.7	11.8	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)