

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: P1214061

Luminaire Tested: 4SNLED-LD5-100HL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214061
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-LD5-100HL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

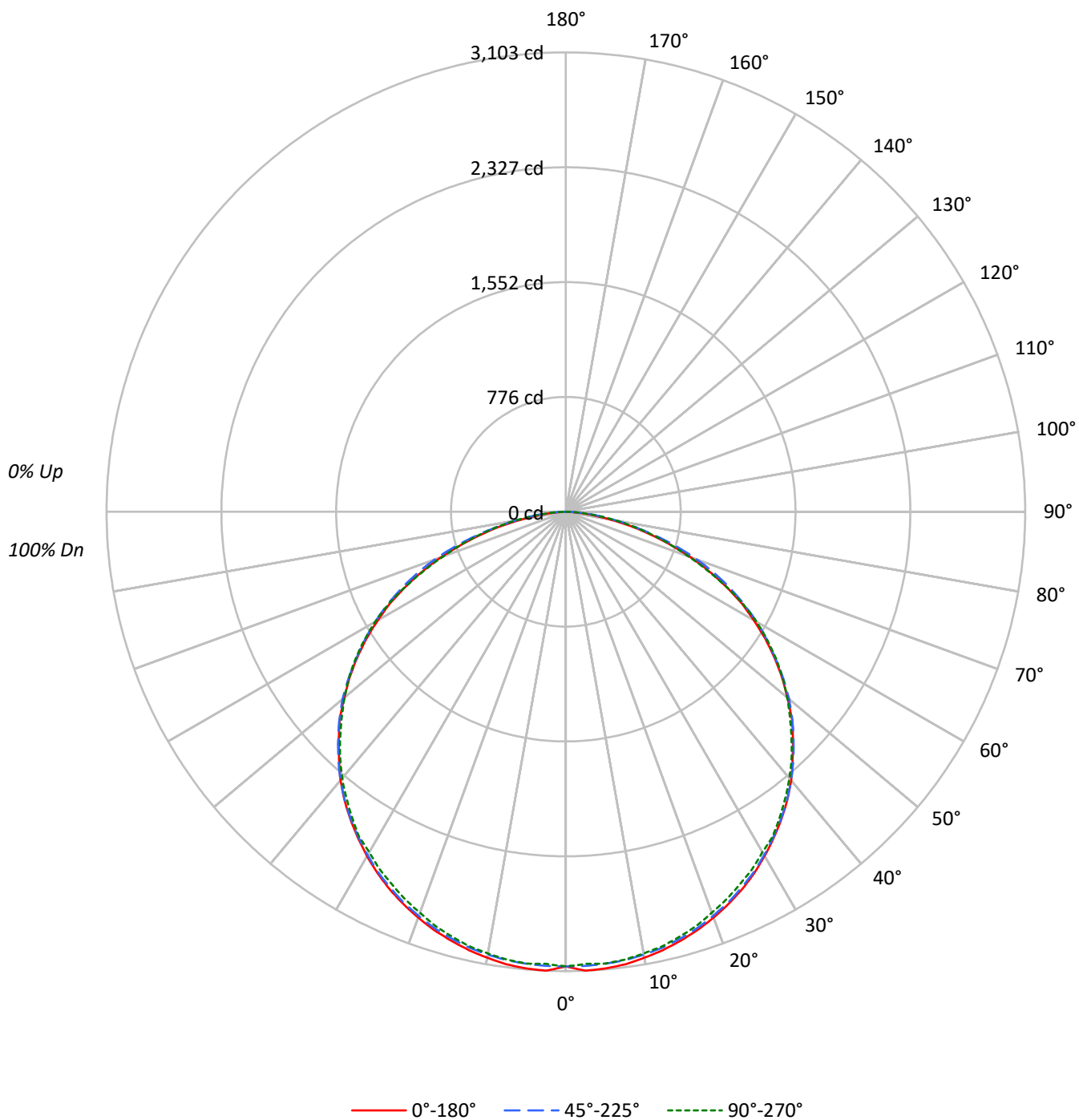
Lumens per Lamp: N/A
Luminaire Lumens: 9212.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 79
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: P1214061

CATALOG NUMBER: 4SNLED-LD5-100HL-UNV-L950-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1214061

CATALOG NUMBER: 4SNLED-LD5-100HL-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°	24815	24815	24815
5°	25041	24250	24058
10°	24960	23719	23315
15°	24880	23186	22586
20°	24807	22618	21807
25°	24737	22047	21080
30°	24619	21434	20364
35°	24495	20798	19677
40°	24349	20117	18855
45°	24041	19310	17911
50°	23674	18432	16953
55°	23220	17257	15918
60°	22472	16062	14565
65°	21375	14507	12668
70°	19481	12466	10272
75°	16548	9513	7895
80°	12365	6266	5176
85°	6388	3050	2310

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24041 cd/sqm

TEST NUMBER: P1214061

CATALOG NUMBER: 4SNLED-LD5-100HL-UNV-L950-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.5	3.2
10°-20°	840.5	9.1
20°-30°	1286.6	14.0
30°-40°	1576.4	17.1
40°-50°	1667.4	18.1
50°-60°	1539.0	16.7
60°-70°	1187.9	12.9
70°-80°	659.3	7.2
80°-90°	163.3	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°	2418.6	26.3
0°-40°	3995.0	43.4
0°-60°	7201.4	78.2
0°-90°	9212.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9212.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3071	3071	3071	3071	3071	
5°	3095	3056	3065	3057	3063	294
15°	2999	2964	2985	2974	2971	847
25°	2815	2781	2804	2780	2778	1297
35°	2537	2510	2533	2505	2519	1588
45°	2169	2149	2176	2152	2156	1674
55°	1722	1708	1728	1726	1736	1537
65°	1193	1180	1226	1219	1196	1176
75°	592	627	632	630	607	628
85°	94	138	141	143	132	126
90°	0	0	0	0	0	

TEST NUMBER: P1214061

CATALOG NUMBER: 4SNLED-LD5-100HL-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3070.8	3070.8	3070.8	3070.8	3070.8
2.5°	3103.0	3063.2	3070.8	3066.2	3057.0
5°	3095.4	3055.5	3064.7	3057.0	3063.2
7.5°	3083.1	3040.2	3055.5	3044.8	3050.9
10°	3058.6	3021.8	3037.1	3024.8	3029.4
12.5°	3032.5	2994.2	3015.7	3000.3	3006.5
15°	2998.8	2963.5	2985.0	2974.3	2971.2
17.5°	2962.0	2928.3	2949.7	2937.5	2932.9
20°	2917.5	2885.3	2905.3	2886.9	2882.3
22.5°	2868.5	2836.3	2859.3	2833.2	2834.7
25°	2814.8	2781.1	2804.1	2779.5	2778.0
27.5°	2753.5	2721.3	2745.8	2719.8	2722.8
30°	2686.0	2653.8	2678.4	2652.3	2655.4
32.5°	2612.4	2586.4	2607.8	2583.3	2600.2
35°	2537.3	2509.7	2532.7	2505.1	2518.9
37.5°	2456.1	2430.0	2454.5	2423.9	2436.1
40°	2368.7	2345.7	2367.1	2339.5	2350.3
42.5°	2267.5	2253.7	2275.2	2247.6	2256.8
45°	2169.4	2149.4	2175.5	2152.5	2155.6
47.5°	2071.2	2049.8	2074.3	2054.4	2052.9
50°	1953.2	1945.5	1968.5	1953.2	1951.7
52.5°	1841.3	1825.9	1850.5	1842.8	1847.4
55°	1721.7	1707.9	1727.8	1726.3	1735.5
57.5°	1597.5	1583.7	1609.8	1606.7	1614.4
60°	1465.7	1454.9	1488.7	1481.0	1487.1
62.5°	1336.9	1317.0	1359.9	1353.7	1350.7
65°	1192.8	1180.5	1226.5	1218.8	1195.8
67.5°	1044.1	1039.5	1087.0	1071.7	1033.3
70°	895.3	898.4	944.4	915.3	883.1
72.5°	739.0	762.0	789.6	768.1	745.1
75°	591.8	627.0	631.6	630.1	607.1
77.5°	447.7	492.1	481.4	492.1	473.7
80°	312.8	361.8	354.2	363.3	348.0
82.5°	193.2	237.6	239.2	245.3	231.5
85°	93.5	138.0	141.0	142.6	131.8
87.5°	19.9	64.4	65.9	61.3	53.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)