

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: P1213710

Luminaire Tested: 4SNLED-LD5-100HL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213710
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

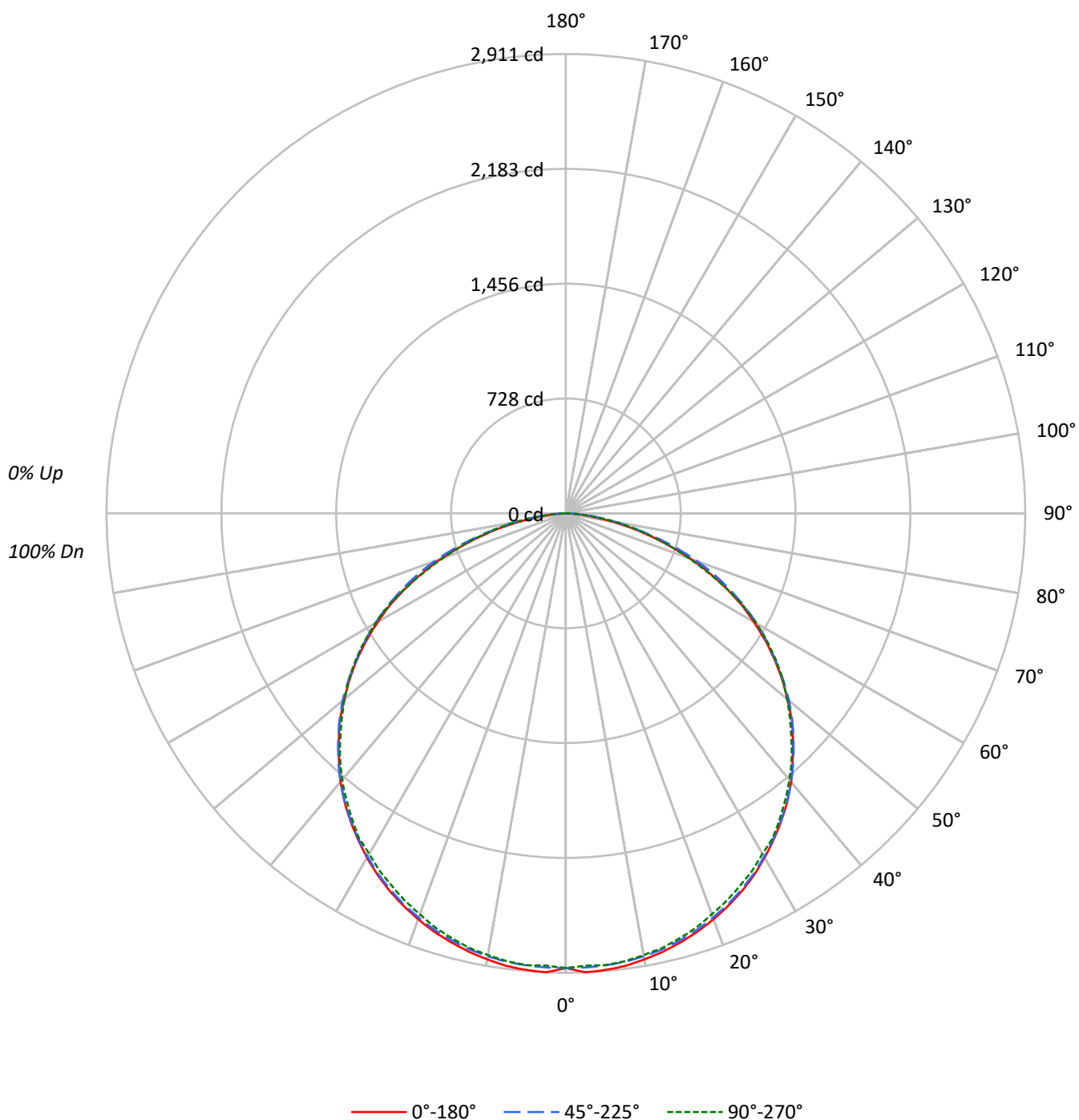
Lumens per Lamp: N/A
Luminaire Lumens: 8642.0 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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

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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
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°	23280	23280	23280
5°	23491	22750	22569
10°	23416	22251	21873
15°	23340	21752	21188
20°	23273	21218	20458
25°	23207	20682	19776
30°	23096	20108	19104
35°	22979	19511	18460
40°	22842	18873	17688
45°	22553	18115	16803
50°	22208	17291	15903
55°	21784	16189	14933
60°	21082	15067	13664
65°	20053	13609	11884
70°	18275	11695	9635
75°	15524	8925	7407
80°	11598	5877	4856
85°	5991	2862	2168

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22553 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.4	3.2
10°-20°	788.5	9.1
20°-30°	1207.0	14.0
30°-40°	1478.9	17.1
40°-50°	1564.2	18.1
50°-60°	1443.8	16.7
60°-70°	1114.4	12.9
70°-80°	618.5	7.2
80°-90°	153.2	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°	2269.0	26.3
0°-40°	3747.8	43.4
0°-60°	6755.8	78.2
0°-90°	8642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8642.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2881	2881	2881	2881	2881	
5°	2904	2866	2875	2868	2874	276
15°	2813	2780	2800	2790	2787	795
25°	2641	2609	2631	2608	2606	1217
35°	2380	2354	2376	2350	2363	1489
45°	2035	2016	2041	2019	2022	1571
55°	1615	1602	1621	1620	1628	1442
65°	1119	1108	1151	1143	1122	1103
75°	555	588	593	591	570	589
85°	88	129	132	134	124	118
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2880.8	2880.8	2880.8	2880.8	2880.8
2.5°	2911.0	2873.6	2880.8	2876.5	2867.9
5°	2903.8	2866.4	2875.1	2867.9	2873.6
7.5°	2892.3	2852.1	2866.4	2856.4	2862.1
10°	2869.3	2834.8	2849.2	2837.7	2842.0
12.5°	2844.9	2808.9	2829.1	2814.7	2820.4
15°	2813.2	2780.2	2800.3	2790.2	2787.3
17.5°	2778.7	2747.1	2767.2	2755.7	2751.4
20°	2737.0	2706.8	2725.5	2708.2	2703.9
22.5°	2691.0	2660.8	2682.4	2657.9	2659.3
25°	2640.6	2609.0	2630.6	2607.6	2606.1
27.5°	2583.1	2552.9	2575.9	2551.5	2554.3
30°	2519.8	2489.6	2512.6	2488.2	2491.1
32.5°	2450.8	2426.3	2446.5	2423.5	2439.3
35°	2380.3	2354.4	2376.0	2350.1	2363.1
37.5°	2304.1	2279.6	2302.7	2273.9	2285.4
40°	2222.1	2200.5	2220.7	2194.8	2204.9
42.5°	2127.2	2114.2	2134.4	2108.5	2117.1
45°	2035.1	2016.4	2040.9	2019.3	2022.2
47.5°	1943.1	1923.0	1946.0	1927.3	1925.8
50°	1832.3	1825.2	1846.7	1832.3	1830.9
52.5°	1727.3	1713.0	1736.0	1728.8	1733.1
55°	1615.2	1602.2	1620.9	1619.5	1628.1
57.5°	1498.7	1485.7	1510.2	1507.3	1514.5
60°	1375.0	1364.9	1396.5	1389.4	1395.1
62.5°	1254.2	1235.5	1275.7	1270.0	1267.1
65°	1119.0	1107.5	1150.6	1143.4	1121.8
67.5°	979.5	975.1	1019.7	1005.3	969.4
70°	839.9	842.8	886.0	858.6	828.4
72.5°	693.2	714.8	740.7	720.6	699.0
75°	555.2	588.2	592.6	591.1	569.6
77.5°	420.0	461.7	451.6	461.7	444.4
80°	293.4	339.4	332.2	340.9	326.5
82.5°	181.2	222.9	224.4	230.1	217.2
85°	87.7	129.4	132.3	133.8	123.7
87.5°	18.7	60.4	61.8	57.5	50.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)