

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: P1213007

Luminaire Tested: 2SNLED-LD5-50HL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213007
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-LD5-50HL-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

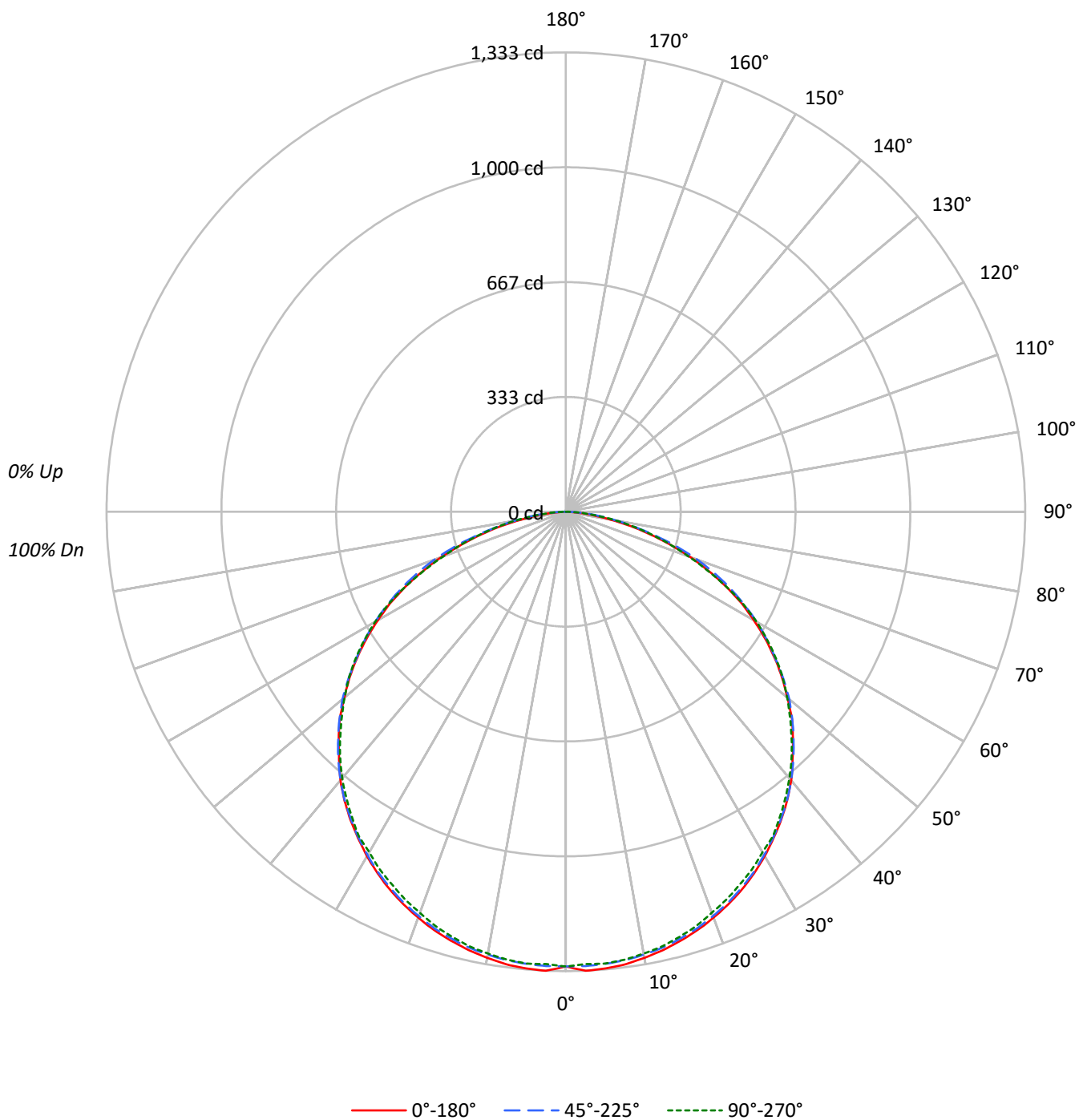
Lumens per Lamp: N/A
Luminaire Lumens: 3958.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 36
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	21324	21324	21324
5°	21459	20800	20673
10°	21331	20307	20035
15°	21203	19815	19408
20°	21080	19295	18739
25°	20956	18774	18114
30°	20788	18220	17499
35°	20608	17645	16909
40°	20402	17033	16202
45°	20051	16313	15392
50°	19638	15534	14567
55°	19135	14505	13679
60°	18366	13457	12517
65°	17283	12112	10886
70°	15515	10362	8826
75°	12876	7862	6786
80°	9236	5140	4447
85°	4348	2476	1984

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20051 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.2	3.2
10°-20°	361.1	9.1
20°-30°	552.8	14.0
30°-40°	677.3	17.1
40°-50°	716.4	18.1
50°-60°	661.3	16.7
60°-70°	510.4	12.9
70°-80°	283.3	7.2
80°-90°	70.2	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°	1039.2	26.3
0°-40°	1716.5	43.4
0°-60°	3094.1	78.2
0°-90°	3958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3958.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1319	1319	1319	1319	1319	
5°	1330	1313	1317	1314	1316	126
15°	1288	1273	1282	1278	1277	364
25°	1209	1195	1205	1194	1194	557
35°	1090	1078	1088	1076	1082	682
45°	932	924	935	925	926	719
55°	740	734	742	742	746	660
65°	512	507	527	524	514	505
75°	254	269	271	271	261	270
85°	40	59	61	61	57	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1319.4	1319.4	1319.4	1319.4	1319.4
2.5°	1333.2	1316.1	1319.4	1317.4	1313.5
5°	1329.9	1312.8	1316.8	1313.5	1316.1
7.5°	1324.7	1306.2	1312.8	1308.2	1310.8
10°	1314.1	1298.3	1304.9	1299.6	1301.6
12.5°	1302.9	1286.5	1295.7	1289.1	1291.7
15°	1288.4	1273.3	1282.5	1277.9	1276.6
17.5°	1272.6	1258.1	1267.4	1262.1	1260.1
20°	1253.5	1239.7	1248.3	1240.4	1238.4
22.5°	1232.5	1218.6	1228.5	1217.3	1218.0
25°	1209.4	1194.9	1204.8	1194.3	1193.6
27.5°	1183.1	1169.2	1179.8	1168.6	1169.9
30°	1154.1	1140.2	1150.8	1139.6	1140.9
32.5°	1122.5	1111.3	1120.5	1109.9	1117.2
35°	1090.2	1078.3	1088.2	1076.3	1082.3
37.5°	1055.3	1044.1	1054.6	1041.4	1046.7
40°	1017.7	1007.8	1017.1	1005.2	1009.8
42.5°	974.2	968.3	977.5	965.7	969.6
45°	932.1	923.5	934.7	924.8	926.2
47.5°	889.9	880.7	891.2	882.7	882.0
50°	839.2	835.9	845.8	839.2	838.5
52.5°	791.1	784.5	795.1	791.8	793.8
55°	739.7	733.8	742.4	741.7	745.7
57.5°	686.4	680.5	691.7	690.3	693.6
60°	629.7	625.1	639.6	636.3	639.0
62.5°	574.4	565.8	584.3	581.6	580.3
65°	512.5	507.2	527.0	523.7	513.8
67.5°	448.6	446.6	467.0	460.4	444.0
70°	384.7	386.0	405.8	393.3	379.4
72.5°	317.5	327.4	339.2	330.0	320.1
75°	254.3	269.4	271.4	270.7	260.9
77.5°	192.3	211.4	206.8	211.4	203.5
80°	134.4	155.5	152.2	156.1	149.5
82.5°	83.0	102.1	102.8	105.4	99.5
85°	40.2	59.3	60.6	61.3	56.6
87.5°	8.6	27.7	28.3	26.3	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)