

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: P1213358

Luminaire Tested: 2SNLED-LD5-50HL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213358
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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

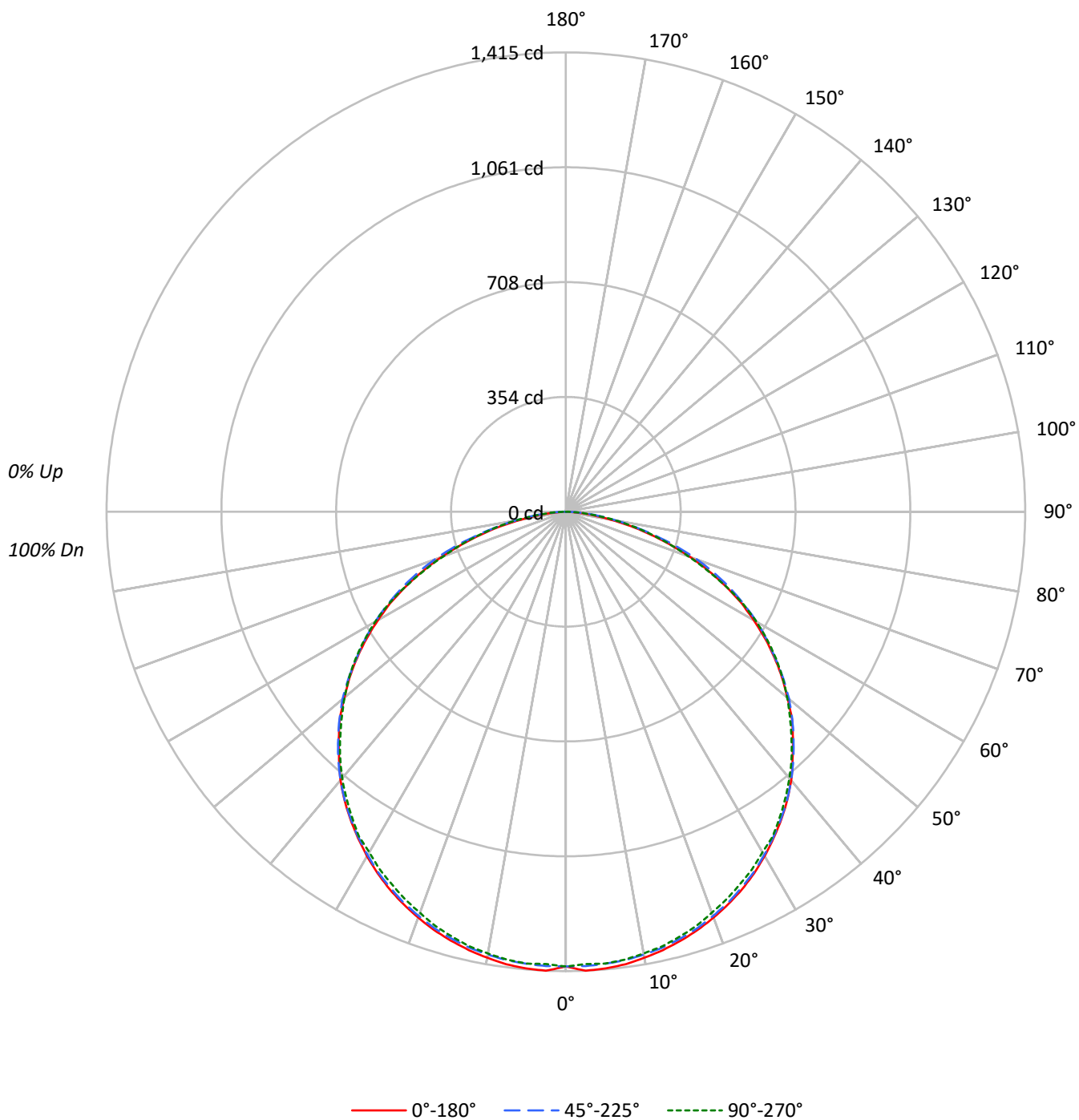
Lumens per Lamp: N/A
Luminaire Lumens: 4201.0 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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
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°	22633	22633	22633
5°	22777	22076	21942
10°	22641	21553	21265
15°	22506	21033	20600
20°	22375	20479	19889
25°	22244	19927	19227
30°	22063	19337	18573
35°	21873	18728	17947
40°	21654	18078	17196
45°	21282	17315	16336
50°	20843	16488	15461
55°	20312	15396	14517
60°	19495	14284	13285
65°	18342	12854	11553
70°	16466	10997	9368
75°	13666	8346	7202
80°	9799	5454	4721
85°	4608	2627	2107

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21282 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.9	3.2
10°-20°	383.3	9.1
20°-30°	586.7	14.0
30°-40°	718.9	17.1
40°-50°	760.4	18.1
50°-60°	701.9	16.7
60°-70°	541.7	12.9
70°-80°	300.7	7.2
80°-90°	74.5	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°	1103.0	26.3
0°-40°	1821.9	43.4
0°-60°	3284.1	78.2
0°-90°	4201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4201.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1412	1393	1398	1394	1397	134
15°	1368	1352	1361	1356	1355	386
25°	1284	1268	1279	1268	1267	592
35°	1157	1144	1155	1142	1149	724
45°	989	980	992	982	983	763
55°	785	779	788	787	791	701
65°	544	538	559	556	545	536
75°	270	286	288	287	277	286
85°	43	63	64	65	60	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1400.4	1400.4	1400.4	1400.4	1400.4
2.5°	1415.1	1396.9	1400.4	1398.3	1394.1
5°	1411.6	1393.4	1397.6	1394.1	1396.9
7.5°	1406.0	1386.4	1393.4	1388.5	1391.3
10°	1394.8	1378.0	1385.0	1379.4	1381.5
12.5°	1382.9	1365.5	1375.2	1368.3	1371.0
15°	1367.6	1351.5	1361.3	1356.4	1355.0
17.5°	1350.8	1335.4	1345.2	1339.6	1337.5
20°	1330.5	1315.8	1324.9	1316.5	1314.4
22.5°	1308.1	1293.4	1303.9	1292.0	1292.7
25°	1283.7	1268.3	1278.8	1267.6	1266.9
27.5°	1255.7	1241.0	1252.2	1240.3	1241.7
30°	1224.9	1210.2	1221.4	1209.5	1210.9
32.5°	1191.4	1179.5	1189.3	1178.1	1185.8
35°	1157.1	1144.5	1155.0	1142.4	1148.7
37.5°	1120.1	1108.2	1119.4	1105.4	1111.0
40°	1080.2	1069.7	1079.5	1066.9	1071.8
42.5°	1034.1	1027.8	1037.6	1025.0	1029.2
45°	989.3	980.2	992.1	981.6	983.0
47.5°	944.6	934.8	946.0	936.9	936.2
50°	890.7	887.2	897.7	890.7	890.0
52.5°	839.7	832.7	843.9	840.4	842.5
55°	785.2	778.9	788.0	787.3	791.4
57.5°	728.5	722.2	734.1	732.7	736.2
60°	668.4	663.5	678.9	675.4	678.2
62.5°	609.7	600.6	620.2	617.4	616.0
65°	543.9	538.4	559.3	555.8	545.3
67.5°	476.1	474.0	495.7	488.7	471.2
70°	408.3	409.7	430.7	417.4	402.7
72.5°	337.0	347.5	360.1	350.3	339.8
75°	269.9	286.0	288.1	287.4	276.9
77.5°	204.2	224.4	219.5	224.4	216.0
80°	142.6	165.0	161.5	165.7	158.7
82.5°	88.1	108.4	109.1	111.9	105.6
85°	42.6	62.9	64.3	65.0	60.1
87.5°	9.1	29.4	30.1	28.0	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)