

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: P1214060

Luminaire Tested: 2SNLED-LD5-50HL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214060
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-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

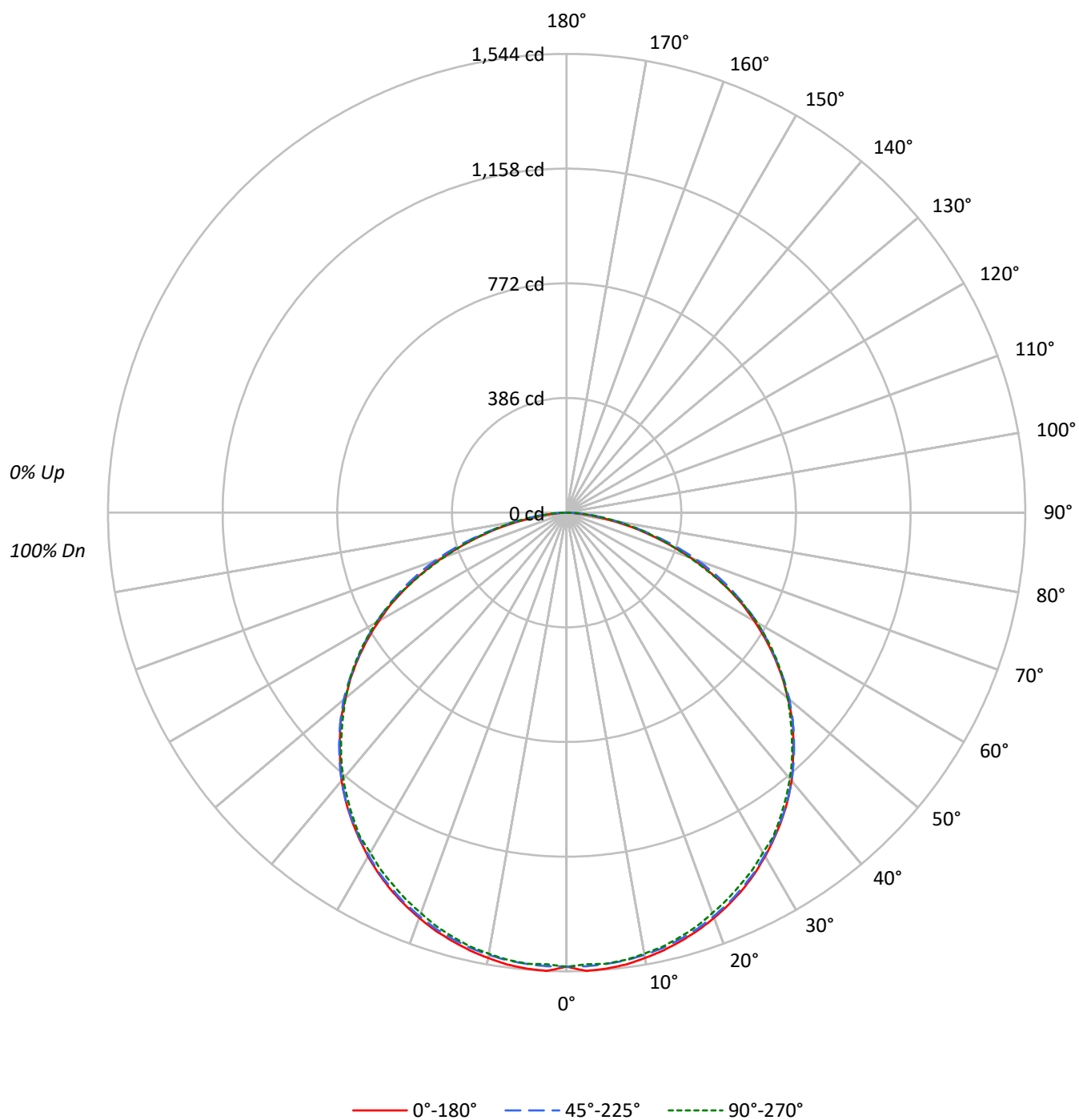
Lumens per Lamp: N/A
Luminaire Lumens: 4584.0 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	24697	24697	24697
5°	24854	24089	23944
10°	24706	23518	23204
15°	24556	22950	22478
20°	24415	22347	21704
25°	24271	21743	20980
30°	24075	21101	20266
35°	23867	20436	19583
40°	23629	19726	18764
45°	23222	18894	17825
50°	22743	17992	16872
55°	22162	16799	15842
60°	21271	15587	14495
65°	20014	14026	12608
70°	17967	11998	10222
75°	14912	9105	7857
80°	10692	5951	5152
85°	5030	2868	2299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23222 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	3.2
10°-20°	418.2	9.1
20°-30°	640.2	14.0
30°-40°	784.4	17.1
40°-50°	829.7	18.1
50°-60°	765.8	16.7
60°-70°	591.1	12.9
70°-80°	328.1	7.2
80°-90°	81.3	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°	1203.5	26.3
0°-40°	1988.0	43.4
0°-60°	3583.5	78.2
0°-90°	4584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1528	1528	1528	1528	1528	
5°	1540	1520	1525	1521	1524	146
15°	1492	1475	1485	1480	1478	421
25°	1401	1384	1395	1383	1382	646
35°	1263	1249	1260	1247	1253	790
45°	1080	1070	1083	1071	1073	833
55°	857	850	860	859	864	765
65°	594	587	610	606	595	585
75°	294	312	314	314	302	312
85°	46	69	70	71	66	63
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1528.1	1528.1	1528.1	1528.1	1528.1
2.5°	1544.1	1524.3	1528.1	1525.8	1521.2
5°	1540.3	1520.5	1525.0	1521.2	1524.3
7.5°	1534.2	1512.8	1520.5	1515.1	1518.2
10°	1522.0	1503.7	1511.3	1505.2	1507.5
12.5°	1509.0	1489.9	1500.6	1493.0	1496.0
15°	1492.2	1474.7	1485.4	1480.0	1478.5
17.5°	1473.9	1457.1	1467.8	1461.7	1459.4
20°	1451.8	1435.8	1445.7	1436.5	1434.3
22.5°	1427.4	1411.4	1422.8	1409.8	1410.6
25°	1400.7	1383.9	1395.3	1383.1	1382.4
27.5°	1370.2	1354.1	1366.4	1353.4	1354.9
30°	1336.6	1320.6	1332.8	1319.8	1321.3
32.5°	1300.0	1287.0	1297.7	1285.5	1293.9
35°	1262.6	1248.9	1260.3	1246.6	1253.4
37.5°	1222.2	1209.2	1221.4	1206.1	1212.2
40°	1178.7	1167.2	1177.9	1164.2	1169.5
42.5°	1128.3	1121.5	1132.1	1118.4	1123.0
45°	1079.5	1069.6	1082.6	1071.1	1072.6
47.5°	1030.7	1020.0	1032.2	1022.3	1021.5
50°	971.9	968.1	979.6	971.9	971.2
52.5°	916.2	908.6	920.8	917.0	919.3
55°	856.7	849.9	859.8	859.0	863.6
57.5°	794.9	788.1	801.0	799.5	803.3
60°	729.3	724.0	740.8	737.0	740.0
62.5°	665.2	655.3	676.7	673.6	672.1
65°	593.5	587.4	610.3	606.5	595.1
67.5°	519.5	517.2	540.9	533.3	514.2
70°	445.5	447.1	469.9	455.5	439.4
72.5°	367.7	379.2	392.9	382.2	370.8
75°	294.5	312.0	314.3	313.6	302.1
77.5°	222.8	244.9	239.6	244.9	235.7
80°	155.6	180.0	176.2	180.8	173.2
82.5°	96.1	118.2	119.0	122.1	115.2
85°	46.5	68.7	70.2	70.9	65.6
87.5°	9.9	32.0	32.8	30.5	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)