

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: P1214131

Luminaire Tested: 4SNLED-LD5-44SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214131
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-LD5-44SL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

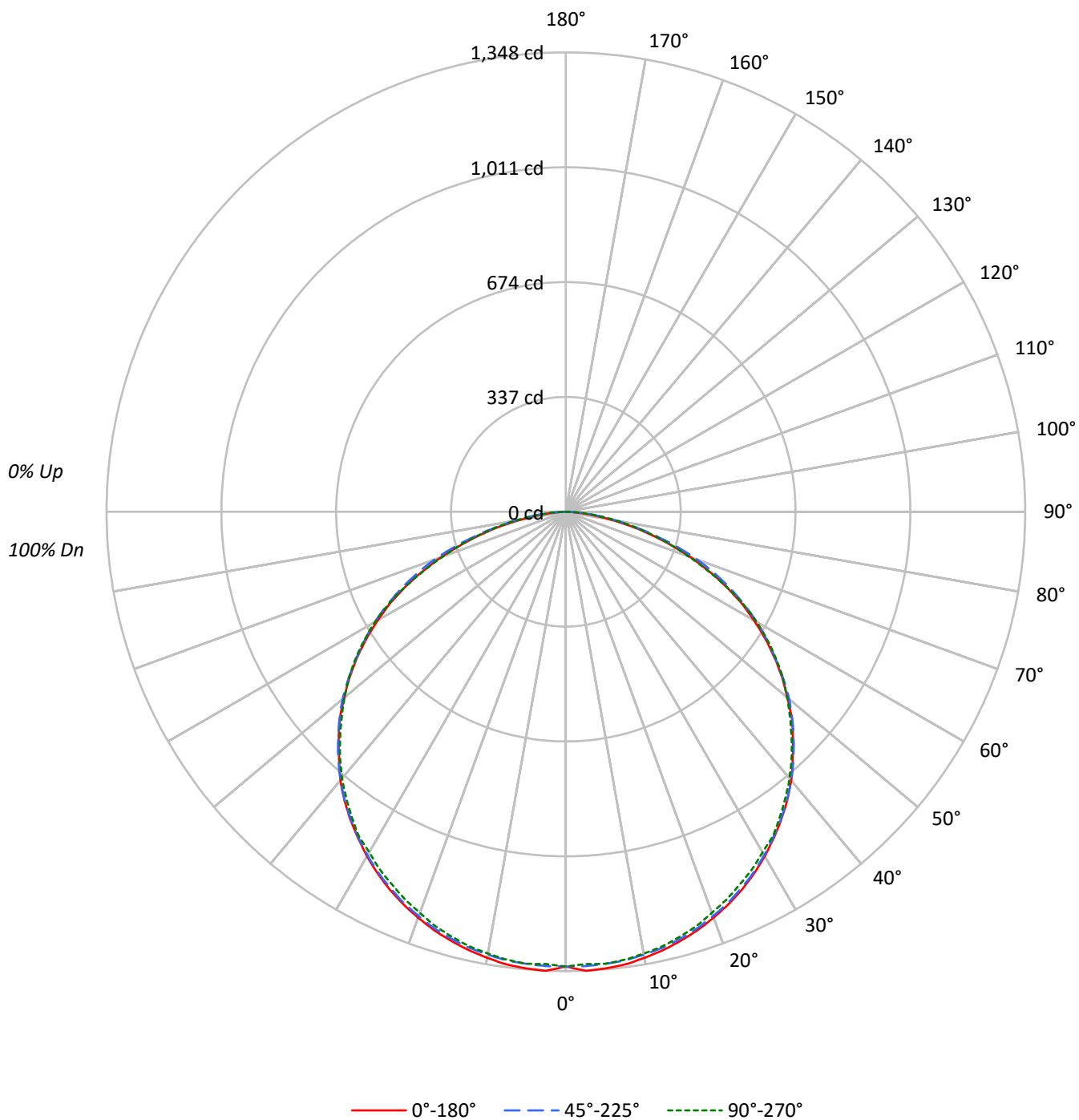
Lumens per Lamp: N/A
Luminaire Lumens: 4003.0 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 31
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°	10783	10783	10783
5°	10882	10538	10454
10°	10846	10307	10131
15°	10811	10075	9814
20°	10780	9828	9476
25°	10750	9580	9160
30°	10698	9314	8849
35°	10644	9038	8551
40°	10581	8742	8193
45°	10447	8391	7783
50°	10287	8009	7367
55°	10090	7499	6917
60°	9765	6979	6329
65°	9288	6304	5504
70°	8466	5417	4463
75°	7192	4134	3431
80°	5372	2723	2249
85°	2774	1326	1004

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	3.2
10°-20°	365.2	9.1
20°-30°	559.1	14.0
30°-40°	685.0	17.1
40°-50°	724.5	18.1
50°-60°	668.8	16.7
60°-70°	516.2	12.9
70°-80°	286.5	7.2
80°-90°	71.0	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°	1051.0	26.3
0°-40°	1736.0	43.4
0°-60°	3129.3	78.2
0°-90°	4003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1345	1328	1332	1328	1331	128
15°	1303	1288	1297	1292	1291	368
25°	1223	1208	1218	1208	1207	564
35°	1103	1091	1101	1089	1095	690
45°	943	934	945	935	937	727
55°	748	742	751	750	754	668
65°	518	513	533	530	520	511
75°	257	272	274	274	264	273
85°	41	60	61	62	57	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1334.4	1334.4	1334.4	1334.4	1334.4
2.5°	1348.4	1331.1	1334.4	1332.4	1328.4
5°	1345.1	1327.7	1331.7	1328.4	1331.1
7.5°	1339.7	1321.1	1327.7	1323.1	1325.7
10°	1329.1	1313.1	1319.8	1314.4	1316.4
12.5°	1317.8	1301.1	1310.4	1303.8	1306.4
15°	1303.1	1287.8	1297.1	1292.4	1291.1
17.5°	1287.1	1272.5	1281.8	1276.5	1274.5
20°	1267.8	1253.8	1262.5	1254.5	1252.5
22.5°	1246.5	1232.5	1242.5	1231.1	1231.8
25°	1223.2	1208.5	1218.5	1207.8	1207.2
27.5°	1196.5	1182.5	1193.2	1181.8	1183.2
30°	1167.2	1153.2	1163.9	1152.5	1153.9
32.5°	1135.2	1123.9	1133.2	1122.6	1129.9
35°	1102.6	1090.6	1100.6	1088.6	1094.6
37.5°	1067.3	1055.9	1066.6	1053.3	1058.6
40°	1029.3	1019.3	1028.6	1016.6	1021.3
42.5°	985.3	979.3	988.6	976.7	980.7
45°	942.7	934.0	945.3	935.4	936.7
47.5°	900.0	890.7	901.4	892.7	892.0
50°	848.7	845.4	855.4	848.7	848.1
52.5°	800.1	793.5	804.1	800.8	802.8
55°	748.1	742.2	750.8	750.1	754.1
57.5°	694.2	688.2	699.5	698.2	701.5
60°	636.9	632.2	646.9	643.6	646.2
62.5°	580.9	572.3	590.9	588.3	586.9
65°	518.3	513.0	533.0	529.6	519.6
67.5°	453.7	451.7	472.3	465.7	449.0
70°	389.1	390.4	410.4	397.7	383.7
72.5°	321.1	331.1	343.1	333.8	323.8
75°	257.2	272.5	274.5	273.8	263.8
77.5°	194.5	213.9	209.2	213.9	205.9
80°	135.9	157.2	153.9	157.9	151.2
82.5°	83.9	103.3	103.9	106.6	100.6
85°	40.6	60.0	61.3	62.0	57.3
87.5°	8.7	28.0	28.6	26.6	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)