

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: P1213078

Luminaire Tested: 4SNLED-LD5-44SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213078
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-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

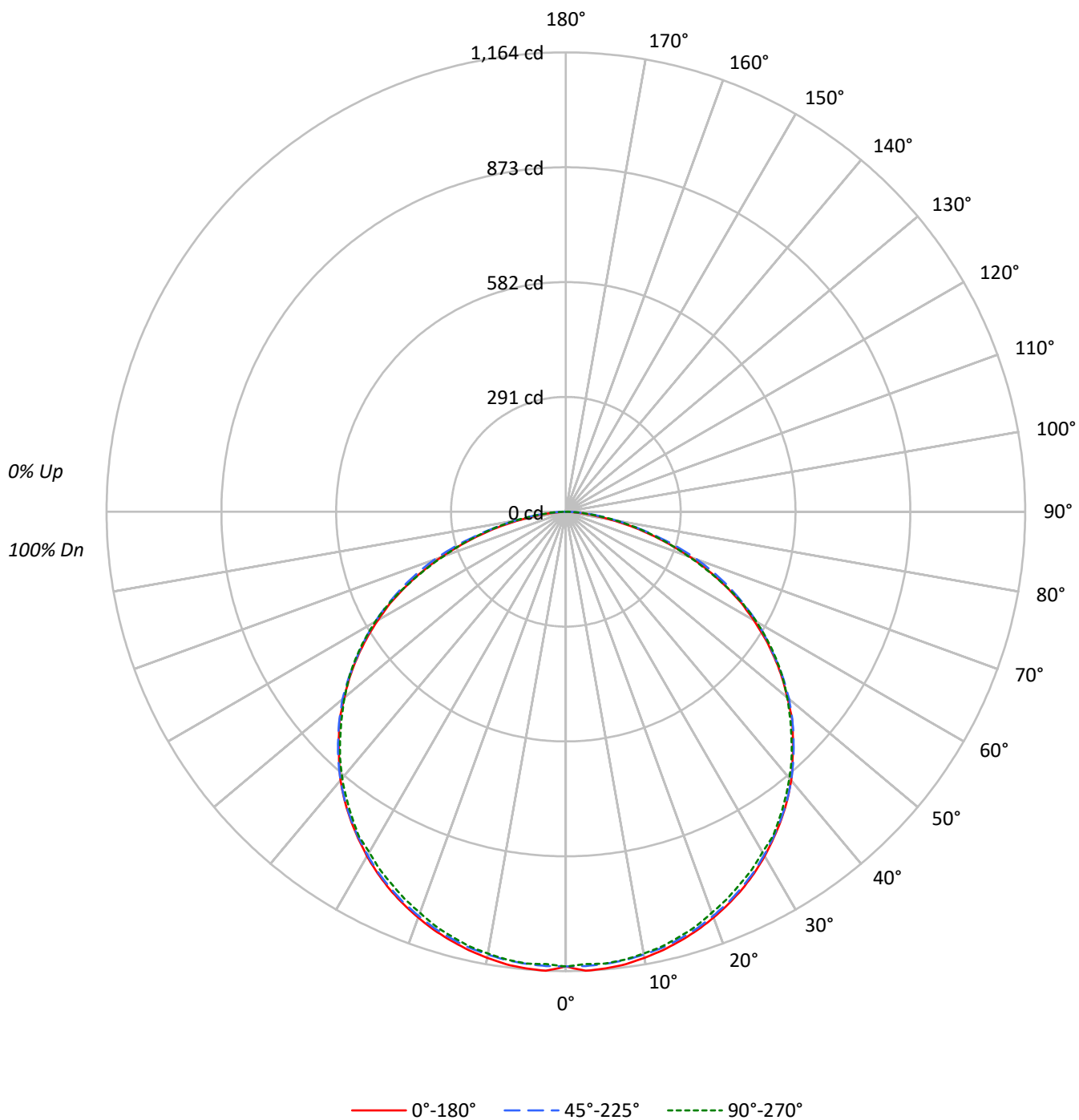
Lumens per Lamp: N/A
Luminaire Lumens: 3456.0 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	9310	9310	9310
5°	9395	9098	9026
10°	9364	8898	8747
15°	9334	8699	8473
20°	9306	8485	8181
25°	9280	8271	7908
30°	9236	8041	7640
35°	9190	7803	7382
40°	9134	7548	7073
45°	9020	7245	6720
50°	8882	6915	6360
55°	8711	6474	5972
60°	8431	6026	5464
65°	8019	5442	4752
70°	7309	4677	3853
75°	6207	3569	2962
80°	4637	2351	1942
85°	2398	1144	868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9020 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	3.2
10°-20°	315.3	9.1
20°-30°	482.7	14.0
30°-40°	591.4	17.1
40°-50°	625.5	18.1
50°-60°	577.4	16.7
60°-70°	445.7	12.9
70°-80°	247.4	7.2
80°-90°	61.3	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°	907.4	26.3
0°-40°	1498.8	43.4
0°-60°	2701.7	78.2
0°-90°	3456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3456.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1161	1146	1150	1147	1149	110
15°	1125	1112	1120	1116	1115	318
25°	1056	1043	1052	1043	1042	487
35°	952	942	950	940	945	596
45°	814	806	816	808	809	628
55°	646	641	648	648	651	577
65°	448	443	460	457	449	441
75°	222	235	237	236	228	236
85°	35	52	53	54	50	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1152.1	1152.1	1152.1	1152.1	1152.1
2.5°	1164.1	1149.2	1152.1	1150.3	1146.9
5°	1161.3	1146.3	1149.8	1146.9	1149.2
7.5°	1156.7	1140.6	1146.3	1142.3	1144.6
10°	1147.5	1133.7	1139.4	1134.8	1136.5
12.5°	1137.7	1123.3	1131.4	1125.6	1127.9
15°	1125.0	1111.8	1119.9	1115.8	1114.7
17.5°	1111.2	1098.6	1106.6	1102.0	1100.3
20°	1094.5	1082.5	1089.9	1083.0	1081.3
22.5°	1076.1	1064.1	1072.7	1062.9	1063.5
25°	1056.0	1043.4	1052.0	1042.8	1042.2
27.5°	1033.0	1020.9	1030.1	1020.4	1021.5
30°	1007.7	995.6	1004.8	995.0	996.2
32.5°	980.1	970.3	978.4	969.2	975.5
35°	951.9	941.6	950.2	939.8	945.0
37.5°	921.4	911.6	920.8	909.3	913.9
40°	888.6	880.0	888.1	877.7	881.7
42.5°	850.7	845.5	853.6	843.2	846.7
45°	813.9	806.4	816.2	807.5	808.7
47.5°	777.1	769.0	778.2	770.7	770.2
50°	732.8	729.9	738.5	732.8	732.2
52.5°	690.8	685.0	694.2	691.4	693.1
55°	645.9	640.7	648.2	647.6	651.1
57.5°	599.3	594.2	603.9	602.8	605.7
60°	549.9	545.8	558.5	555.6	557.9
62.5°	501.5	494.1	510.2	507.9	506.7
65°	447.5	442.9	460.1	457.3	448.6
67.5°	391.7	390.0	407.8	402.0	387.7
70°	335.9	337.0	354.3	343.4	331.3
72.5°	277.2	285.9	296.2	288.2	279.5
75°	222.0	235.2	237.0	236.4	227.8
77.5°	167.9	184.6	180.6	184.6	177.7
80°	117.3	135.7	132.9	136.3	130.6
82.5°	72.5	89.2	89.7	92.0	86.9
85°	35.1	51.8	52.9	53.5	49.5
87.5°	7.5	24.2	24.7	23.0	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)