

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: P1213767

Luminaire Tested: 4SNLED-LD5-40SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213767
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-LD5-40SL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

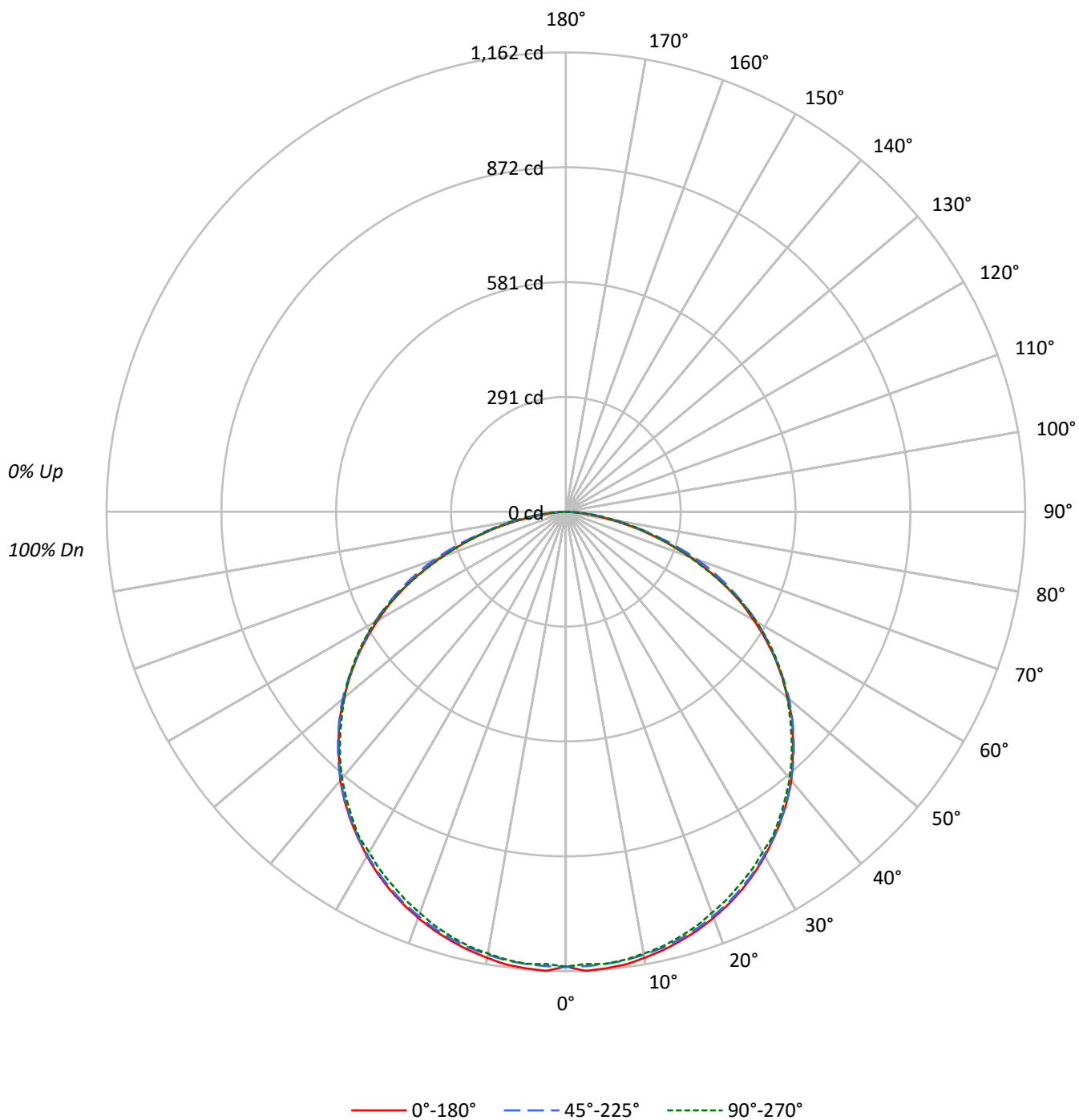
Lumens per Lamp: N/A
Luminaire Lumens: 3451.0 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 28
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°	9296	9296	9296
5°	9381	9085	9012
10°	9351	8886	8735
15°	9320	8686	8461
20°	9294	8473	8170
25°	9267	8259	7897
30°	9223	8030	7629
35°	9176	7791	7371
40°	9122	7537	7064
45°	9006	7234	6710
50°	8869	6905	6350
55°	8699	6465	5964
60°	8419	6017	5456
65°	8007	5435	4746
70°	7298	4670	3848
75°	6199	3563	2957
80°	4633	2347	1939
85°	2391	1142	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	3.2
10°-20°	314.9	9.1
20°-30°	482.0	14.0
30°-40°	590.5	17.1
40°-50°	624.6	18.1
50°-60°	576.6	16.7
60°-70°	445.0	12.9
70°-80°	247.0	7.2
80°-90°	61.2	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°	906.1	26.3
0°-40°	1496.6	43.4
0°-60°	2697.8	78.2
0°-90°	3451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1160	1145	1148	1145	1148	110
15°	1123	1110	1118	1114	1113	317
25°	1054	1042	1050	1041	1041	486
35°	950	940	949	938	944	595
45°	813	805	815	806	808	627
55°	645	640	647	647	650	576
65°	447	442	460	457	448	441
75°	222	235	237	236	227	235
85°	35	52	53	53	49	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1150.4	1150.4	1150.4	1150.4	1150.4
2.5°	1162.5	1147.5	1150.4	1148.7	1145.2
5°	1159.6	1144.7	1148.1	1145.2	1147.5
7.5°	1155.0	1138.9	1144.7	1140.6	1142.9
10°	1145.8	1132.0	1137.8	1133.2	1134.9
12.5°	1136.0	1121.7	1129.7	1124.0	1126.3
15°	1123.4	1110.2	1118.2	1114.2	1113.1
17.5°	1109.6	1097.0	1105.0	1100.4	1098.7
20°	1093.0	1080.9	1088.4	1081.5	1079.8
22.5°	1074.6	1062.5	1071.1	1061.4	1062.0
25°	1054.5	1041.8	1050.5	1041.3	1040.7
27.5°	1031.5	1019.5	1028.6	1018.9	1020.0
30°	1006.2	994.2	1003.4	993.6	994.8
32.5°	978.7	968.9	976.9	967.8	974.1
35°	950.5	940.2	948.8	938.5	943.6
37.5°	920.1	910.3	919.5	908.0	912.6
40°	887.4	878.7	886.8	876.4	880.5
42.5°	849.4	844.3	852.3	842.0	845.4
45°	812.7	805.2	815.0	806.4	807.5
47.5°	775.9	767.9	777.1	769.6	769.0
50°	731.7	728.8	737.5	731.7	731.1
52.5°	689.8	684.0	693.2	690.4	692.1
55°	645.0	639.8	647.3	646.7	650.2
57.5°	598.5	593.3	603.1	601.9	604.8
60°	549.1	545.0	557.7	554.8	557.1
62.5°	500.8	493.4	509.4	507.1	506.0
65°	446.8	442.2	459.5	456.6	448.0
67.5°	391.1	389.4	407.2	401.5	387.1
70°	335.4	336.6	353.8	342.9	330.8
72.5°	276.8	285.4	295.8	287.7	279.1
75°	221.7	234.9	236.6	236.1	227.4
77.5°	167.7	184.4	180.3	184.4	177.5
80°	117.2	135.5	132.7	136.1	130.4
82.5°	72.4	89.0	89.6	91.9	86.7
85°	35.0	51.7	52.8	53.4	49.4
87.5°	7.5	24.1	24.7	23.0	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)