

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: P1214118

Luminaire Tested: 4SNLED-LD5-40SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214118
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

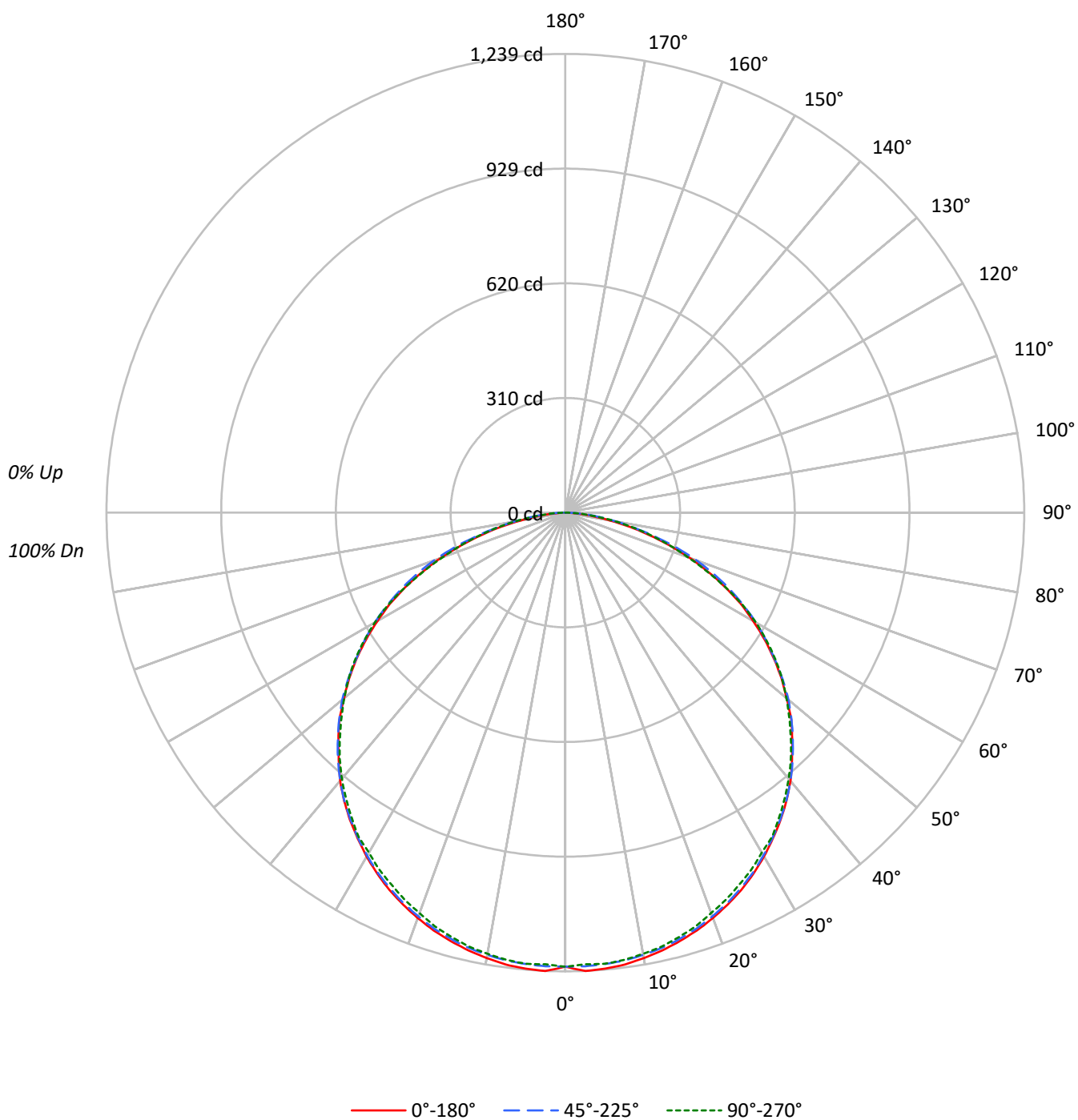
Lumens per Lamp: N/A
Luminaire Lumens: 3679.0 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	9911	9911	9911
5°	10001	9685	9608
10°	9968	9472	9312
15°	9936	9260	9020
20°	9908	9033	8709
25°	9880	8805	8419
30°	9832	8560	8133
35°	9782	8306	7859
40°	9724	8035	7530
45°	9601	7712	7153
50°	9454	7361	6770
55°	9274	6891	6357
60°	8974	6414	5817
65°	8537	5793	5059
70°	7781	4979	4102
75°	6607	3800	3154
80°	4937	2501	2067
85°	2548	1218	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 9601 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.2
10°-20°	335.7	9.1
20°-30°	513.8	14.0
30°-40°	629.6	17.1
40°-50°	665.9	18.1
50°-60°	614.6	16.7
60°-70°	474.4	12.9
70°-80°	263.3	7.2
80°-90°	65.2	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°	965.9	26.3
0°-40°	1595.5	43.4
0°-60°	2876.0	78.2
0°-90°	3679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1236	1220	1224	1221	1223	118
15°	1198	1184	1192	1188	1187	338
25°	1124	1111	1120	1110	1110	518
35°	1013	1002	1012	1000	1006	634
45°	866	858	869	860	861	669
55°	688	682	690	689	693	614
65°	476	472	490	487	478	470
75°	236	250	252	252	242	251
85°	37	55	56	57	53	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.4	1226.4	1226.4	1226.4	1226.4
2.5°	1239.3	1223.3	1226.4	1224.6	1220.9
5°	1236.2	1220.3	1224.0	1220.9	1223.3
7.5°	1231.3	1214.2	1220.3	1216.0	1218.4
10°	1221.5	1206.8	1212.9	1208.0	1209.9
12.5°	1211.1	1195.8	1204.4	1198.2	1200.7
15°	1197.6	1183.5	1192.1	1187.8	1186.6
17.5°	1182.9	1169.5	1178.0	1173.1	1171.3
20°	1165.2	1152.3	1160.3	1152.9	1151.1
22.5°	1145.6	1132.7	1141.9	1131.5	1132.1
25°	1124.2	1110.7	1119.9	1110.1	1109.5
27.5°	1099.7	1086.8	1096.6	1086.2	1087.4
30°	1072.7	1059.9	1069.7	1059.3	1060.5
32.5°	1043.3	1032.9	1041.5	1031.7	1038.4
35°	1013.3	1002.3	1011.5	1000.5	1006.0
37.5°	980.9	970.5	980.3	968.0	972.9
40°	946.0	936.8	945.4	934.3	938.6
42.5°	905.6	900.1	908.6	897.6	901.3
45°	866.4	858.4	868.8	859.6	860.9
47.5°	827.2	818.6	828.4	820.5	819.8
50°	780.0	777.0	786.2	780.0	779.4
52.5°	735.4	729.2	739.0	736.0	737.8
55°	687.6	682.1	690.0	689.4	693.1
57.5°	638.0	632.5	642.9	641.7	644.7
60°	585.3	581.1	594.5	591.5	593.9
62.5°	533.9	526.0	543.1	540.6	539.4
65°	476.4	471.5	489.8	486.8	477.6
67.5°	417.0	415.1	434.1	428.0	412.7
70°	357.6	358.8	377.2	365.5	352.7
72.5°	295.1	304.3	315.3	306.8	297.6
75°	236.3	250.4	252.3	251.6	242.5
77.5°	178.8	196.5	192.3	196.5	189.2
80°	124.9	144.5	141.4	145.1	139.0
82.5°	77.1	94.9	95.5	98.0	92.5
85°	37.3	55.1	56.3	56.9	52.7
87.5°	8.0	25.7	26.3	24.5	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)