

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: P1213065

Luminaire Tested: 4SNLED-LD5-40SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213065
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-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

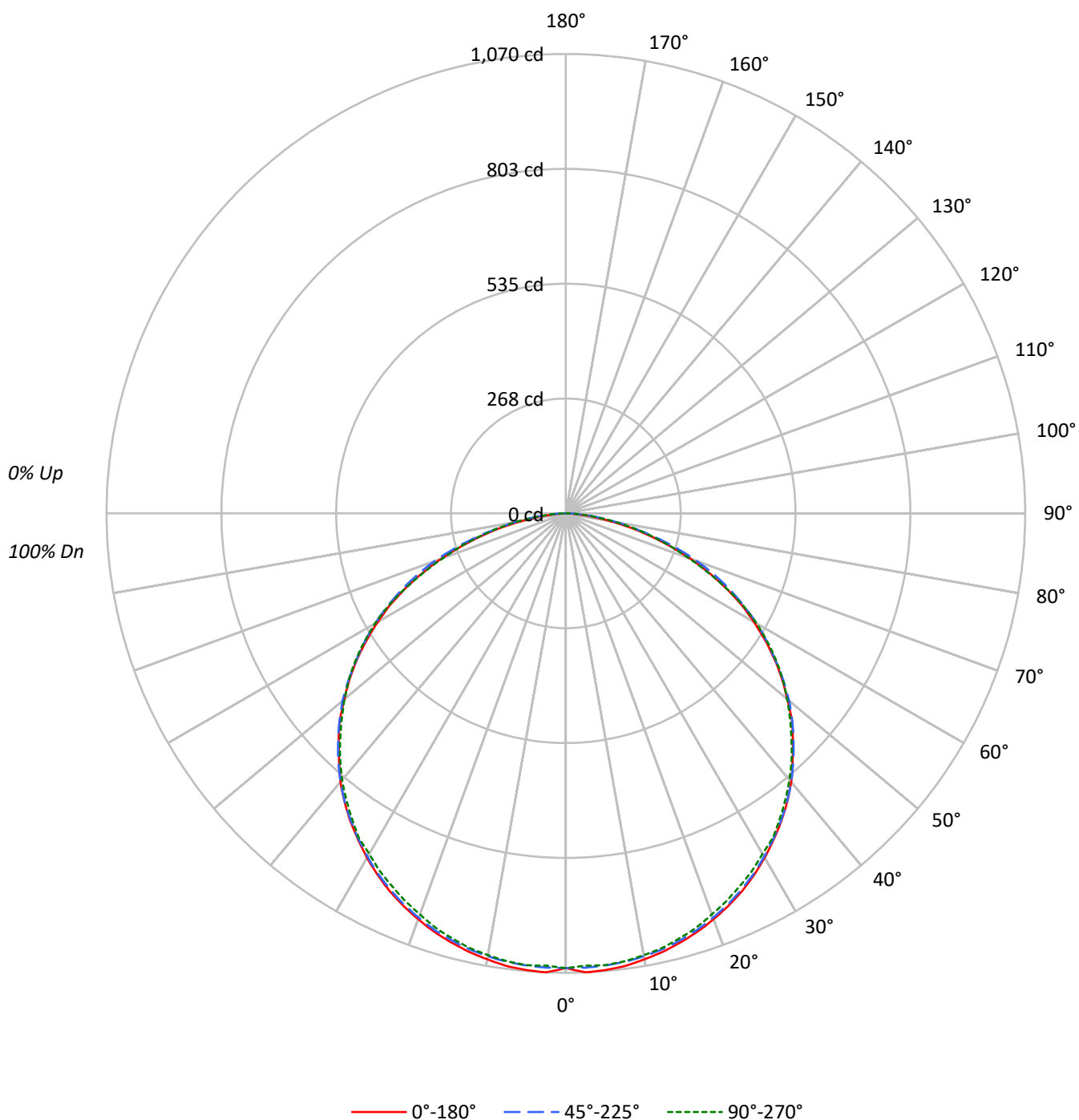
Lumens per Lamp: N/A
Luminaire Lumens: 3177.0 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1213065

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L930-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1213065

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L930-CD1-U

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°	8559	8559	8559
5°	8636	8363	8297
10°	8608	8180	8041
15°	8580	7997	7789
20°	8556	7801	7521
25°	8532	7604	7270
30°	8490	7392	7023
35°	8448	7173	6786
40°	8397	6938	6503
45°	8292	6660	6177
50°	8164	6357	5847
55°	8009	5952	5489
60°	7750	5539	5023
65°	7372	5003	4369
70°	6719	4299	3543
75°	5707	3280	2723
80°	4265	2160	1785
85°	2207	1051	797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8292 cd/sqm

TEST NUMBER: P1213065

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L930-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	3.2
10°-20°	289.9	9.1
20°-30°	443.7	14.0
30°-40°	543.7	17.1
40°-50°	575.0	18.1
50°-60°	530.8	16.7
60°-70°	409.7	12.9
70°-80°	227.4	7.2
80°-90°	56.3	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°	834.1	26.3
0°-40°	1377.8	43.4
0°-60°	2483.6	78.2
0°-90°	3177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1059	1059	1059	1059	1059	
5°	1068	1054	1057	1054	1056	101
15°	1034	1022	1030	1026	1025	292
25°	971	959	967	959	958	447
35°	875	866	874	864	869	548
45°	748	741	750	742	743	577
55°	594	589	596	595	598	530
65°	411	407	423	420	412	406
75°	204	216	218	217	209	217
85°	32	48	49	49	46	43
90°	0	0	0	0	0	

TEST NUMBER: P1213065

CATALOG NUMBER: 4SNLED-LD5-40SL-UNV-L930-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1059.1	1059.1	1059.1	1059.1	1059.1
2.5°	1070.2	1056.4	1059.1	1057.5	1054.3
5°	1067.5	1053.8	1056.9	1054.3	1056.4
7.5°	1063.3	1048.5	1053.8	1050.1	1052.2
10°	1054.8	1042.1	1047.4	1043.2	1044.8
12.5°	1045.8	1032.6	1040.0	1034.7	1036.9
15°	1034.2	1022.0	1029.5	1025.8	1024.7
17.5°	1021.5	1009.9	1017.3	1013.1	1011.5
20°	1006.2	995.1	1002.0	995.6	994.0
22.5°	989.3	978.2	986.1	977.1	977.6
25°	970.8	959.1	967.1	958.6	958.1
27.5°	949.6	938.5	947.0	938.0	939.0
30°	926.3	915.2	923.7	914.7	915.8
32.5°	901.0	892.0	899.4	890.9	896.7
35°	875.1	865.5	873.5	864.0	868.7
37.5°	847.0	838.0	846.5	835.9	840.2
40°	816.9	809.0	816.4	806.9	810.6
42.5°	782.0	777.2	784.6	775.1	778.3
45°	748.2	741.3	750.3	742.3	743.4
47.5°	714.3	706.9	715.4	708.5	708.0
50°	673.6	671.0	678.9	673.6	673.1
52.5°	635.0	629.7	638.2	635.5	637.1
55°	593.8	589.0	595.9	595.4	598.5
57.5°	550.9	546.2	555.2	554.1	556.8
60°	505.5	501.8	513.4	510.8	512.9
62.5°	461.1	454.2	469.0	466.9	465.8
65°	411.4	407.1	423.0	420.3	412.4
67.5°	360.1	358.5	374.9	369.6	356.4
70°	308.8	309.8	325.7	315.7	304.6
72.5°	254.9	262.8	272.3	264.9	257.0
75°	204.1	216.3	217.8	217.3	209.4
77.5°	154.4	169.7	166.0	169.7	163.4
80°	107.9	124.8	122.1	125.3	120.0
82.5°	66.6	82.0	82.5	84.6	79.8
85°	32.3	47.6	48.6	49.2	45.5
87.5°	6.9	22.2	22.7	21.1	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)