

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: P1214051

Luminaire Tested: 2SNLED-LD5-37HL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214051
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: 2SNLED-LD5-37HL-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

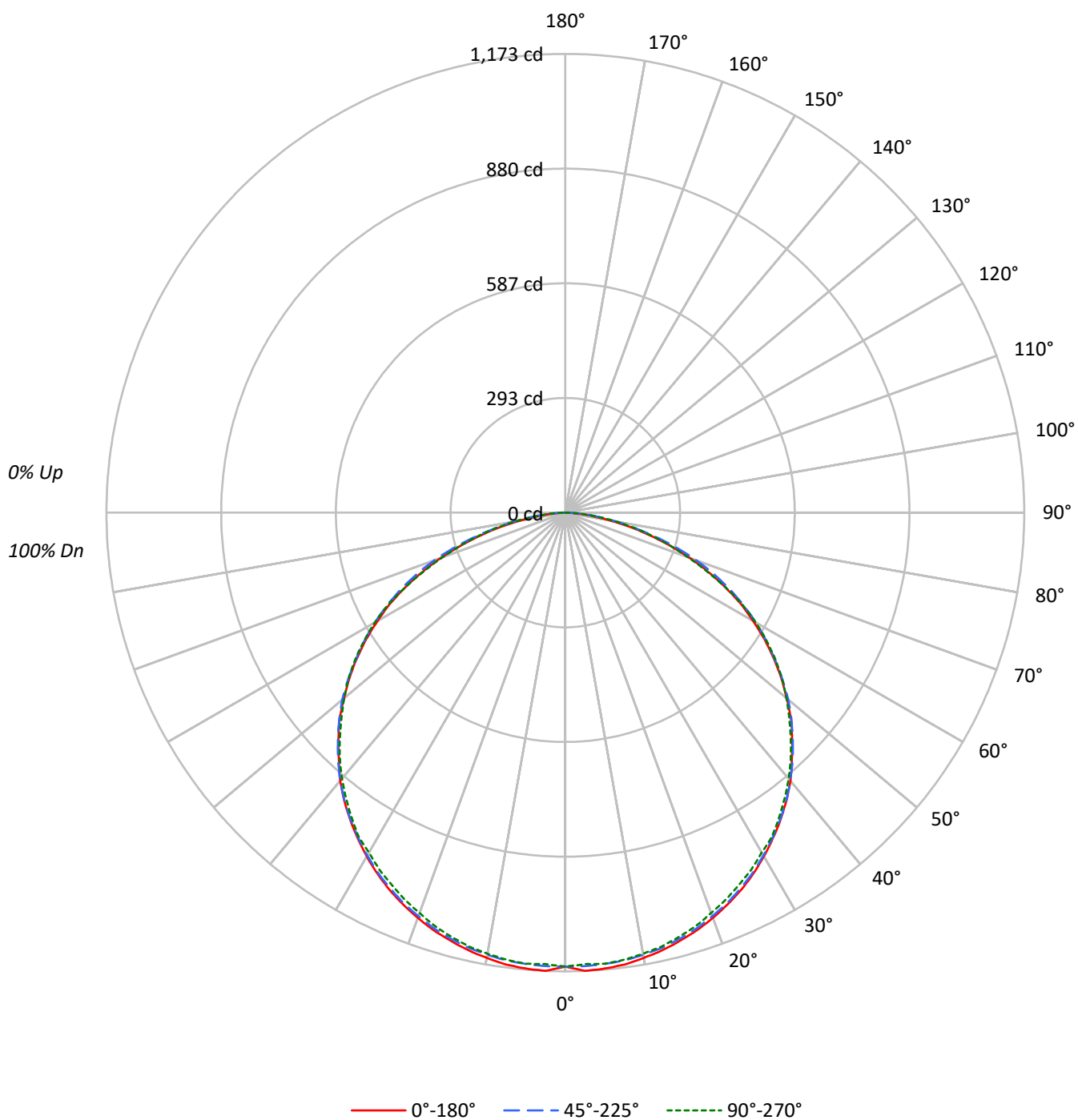
Lumens per Lamp: N/A
Luminaire Lumens: 3482.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18759	18759	18759
5°	18879	18298	18187
10°	18766	17865	17626
15°	18654	17433	17075
20°	18545	16974	16486
25°	18437	16516	15935
30°	18288	16028	15395
35°	18130	15522	14875
40°	17948	14984	14254
45°	17640	14351	13541
50°	17277	13667	12815
55°	16835	12760	12033
60°	16158	11839	11011
65°	15202	10655	9577
70°	13647	9115	7765
75°	11327	6918	5969
80°	8122	4522	3912
85°	3818	2178	1746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.2	3.2
10°-20°	317.7	9.1
20°-30°	486.3	14.0
30°-40°	595.9	17.1
40°-50°	630.2	18.1
50°-60°	581.7	16.7
60°-70°	449.0	12.9
70°-80°	249.2	7.2
80°-90°	61.7	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°	914.2	26.3
0°-40°	1510.1	43.4
0°-60°	2722.0	78.2
0°-90°	3482.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3482.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1170	1155	1158	1156	1158	111
15°	1134	1120	1128	1124	1123	320
25°	1064	1051	1060	1051	1050	490
35°	959	949	957	947	952	600
45°	820	812	822	814	815	633
55°	651	646	653	652	656	581
65°	451	446	464	461	452	445
75°	224	237	239	238	230	237
85°	35	52	53	54	50	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1160.7	1160.7	1160.7	1160.7	1160.7
2.5°	1172.9	1157.8	1160.7	1159.0	1155.5
5°	1170.0	1154.9	1158.4	1155.5	1157.8
7.5°	1165.4	1149.1	1154.9	1150.9	1153.2
10°	1156.1	1142.2	1148.0	1143.3	1145.1
12.5°	1146.2	1131.8	1139.9	1134.1	1136.4
15°	1133.5	1120.2	1128.3	1124.2	1123.1
17.5°	1119.6	1106.8	1115.0	1110.3	1108.6
20°	1102.8	1090.6	1098.1	1091.2	1089.5
22.5°	1084.2	1072.1	1080.8	1070.9	1071.5
25°	1064.0	1051.2	1059.9	1050.6	1050.0
27.5°	1040.8	1028.6	1037.9	1028.0	1029.2
30°	1015.3	1003.1	1012.4	1002.5	1003.7
32.5°	987.5	977.6	985.7	976.5	982.8
35°	959.1	948.6	957.3	946.9	952.1
37.5°	928.4	918.5	927.8	916.2	920.8
40°	895.3	886.6	894.7	884.3	888.4
42.5°	857.1	851.9	860.0	849.5	853.0
45°	820.0	812.5	822.3	813.6	814.8
47.5°	782.9	774.8	784.1	776.5	775.9
50°	738.3	735.4	744.1	738.3	737.7
52.5°	696.0	690.2	699.5	696.6	698.3
55°	650.8	645.6	653.1	652.5	656.0
57.5°	603.8	598.6	608.5	607.3	610.2
60°	554.0	549.9	562.7	559.8	562.1
62.5°	505.3	497.8	514.0	511.7	510.5
65°	450.8	446.2	463.6	460.7	452.0
67.5°	394.6	392.9	410.9	405.1	390.6
70°	338.4	339.6	357.0	346.0	333.8
72.5°	279.3	288.0	298.4	290.3	281.6
75°	223.7	237.0	238.8	238.2	229.5
77.5°	169.2	186.0	182.0	186.0	179.1
80°	118.2	136.8	133.9	137.3	131.5
82.5°	73.0	89.8	90.4	92.7	87.5
85°	35.3	52.2	53.3	53.9	49.8
87.5°	7.5	24.3	24.9	23.2	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)