

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **2SNLED-LD5-37HL-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-37HL-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

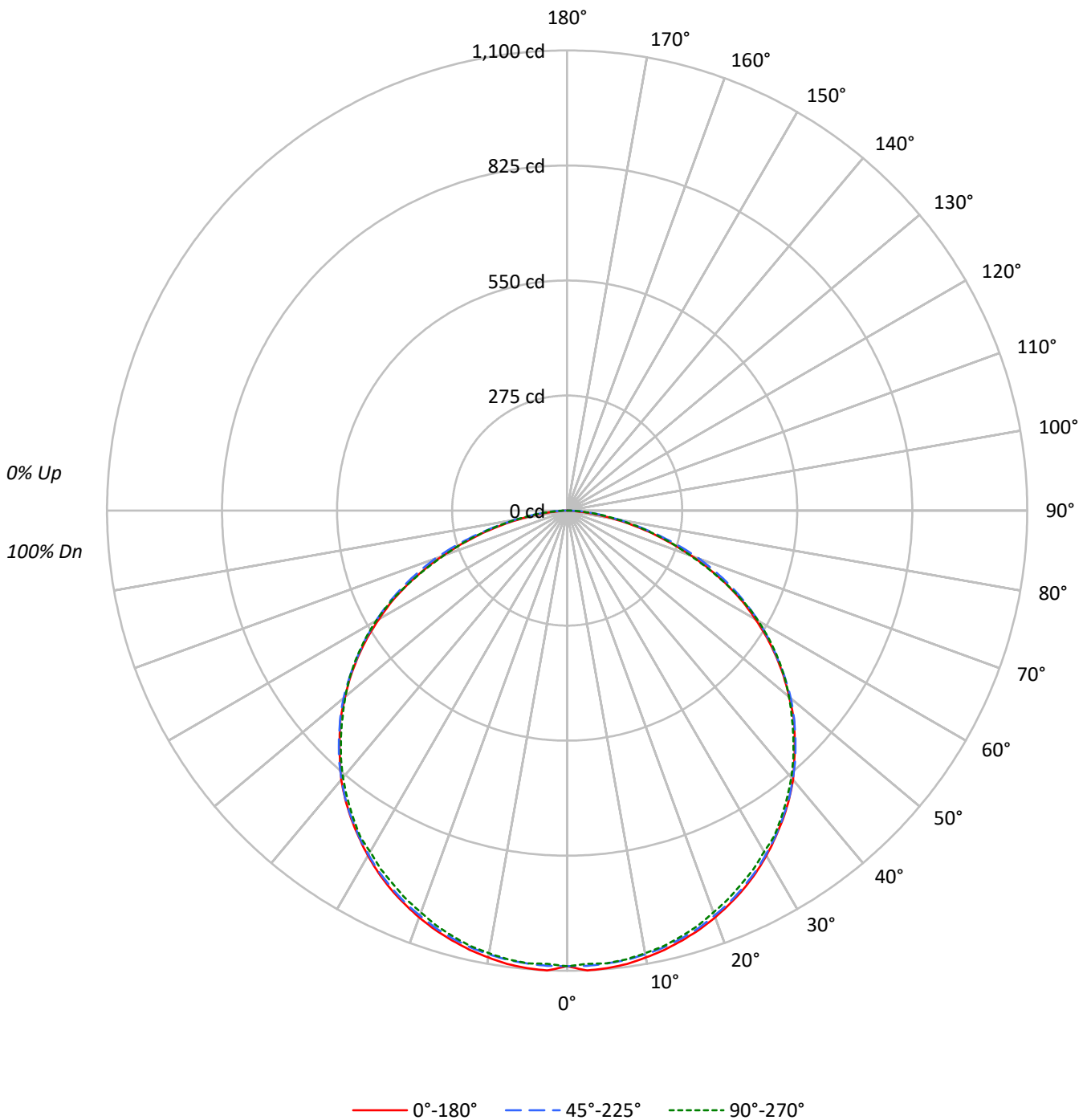
Lumens per Lamp: N/A
Luminaire Lumens: 3267.0 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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: 25 FT



TEST NUMBER: P#
CATALOG NUMBER: 2SNLED-LD5-37HL-UNV-L940-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-37HL-UNV-L940-CD1-U

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°	17602	17602	17602
5°	17714	17169	17063
10°	17607	16762	16538
15°	17502	16356	16019
20°	17400	15926	15468
25°	17298	15497	14952
30°	17159	15039	14444
35°	17009	14564	13957
40°	16839	14059	13373
45°	16551	13465	12705
50°	16210	12822	12025
55°	15795	11973	11291
60°	15161	11107	10331
65°	14265	9997	8985
70°	12805	8551	7286
75°	10628	6489	5600
80°	7621	4242	3671
85°	3591	2043	1640



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-37HL-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.4	3.2
10°-20°	298.1	9.1
20°-30°	456.3	14.0
30°-40°	559.1	17.1
40°-50°	591.3	18.1
50°-60°	545.8	16.7
60°-70°	421.3	12.9
70°-80°	233.8	7.2
80°-90°	57.9	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°	857.8	26.3
0°-40°	1416.8	43.4
0°-60°	2554.0	78.2
0°-90°	3267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1098	1084	1087	1084	1086	104
15°	1064	1051	1059	1055	1054	300
25°	998	986	994	986	985	460
35°	900	890	898	888	893	563
45°	769	762	772	763	764	594
55°	611	606	613	612	616	545
65°	423	419	435	432	424	417
75°	210	222	224	224	215	223
85°	33	49	50	51	47	45
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-37HL-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1100.5	1086.3	1089.1	1087.4	1084.2
5°	1097.8	1083.6	1086.9	1084.2	1086.3
7.5°	1093.4	1078.2	1083.6	1079.8	1082.0
10°	1084.7	1071.7	1077.1	1072.8	1074.4
12.5°	1075.5	1061.9	1069.5	1064.1	1066.2
15°	1063.5	1051.0	1058.6	1054.8	1053.7
17.5°	1050.5	1038.5	1046.1	1041.8	1040.1
20°	1034.7	1023.3	1030.3	1023.8	1022.2
22.5°	1017.3	1005.9	1014.0	1004.8	1005.3
25°	998.3	986.3	994.5	985.8	985.2
27.5°	976.5	965.1	973.8	964.6	965.6
30°	952.6	941.2	949.9	940.6	941.7
32.5°	926.5	917.2	924.9	916.2	922.1
35°	899.8	890.1	898.2	888.4	893.3
37.5°	871.0	861.8	870.5	859.6	864.0
40°	840.0	831.9	839.5	829.7	833.5
42.5°	804.2	799.3	806.9	797.1	800.3
45°	769.4	762.3	771.5	763.4	764.5
47.5°	734.6	726.9	735.6	728.6	728.0
50°	692.7	690.0	698.1	692.7	692.2
52.5°	653.0	647.6	656.3	653.5	655.2
55°	610.6	605.7	612.8	612.2	615.5
57.5°	566.6	561.7	570.9	569.8	572.5
60°	519.8	516.0	527.9	525.2	527.4
62.5°	474.1	467.1	482.3	480.1	479.0
65°	423.0	418.7	435.0	432.3	424.1
67.5°	370.3	368.6	385.5	380.1	366.5
70°	317.5	318.6	334.9	324.6	313.2
72.5°	262.1	270.2	280.0	272.4	264.2
75°	209.9	222.4	224.0	223.5	215.3
77.5°	158.8	174.5	170.7	174.5	168.0
80°	110.9	128.3	125.6	128.9	123.4
82.5°	68.5	84.3	84.8	87.0	82.1
85°	33.2	48.9	50.0	50.6	46.8
87.5°	7.1	22.8	23.4	21.7	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)