

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: P1213709

Luminaire Tested: 2SNLED-LD5-50HL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213709
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-LD5-50HL-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

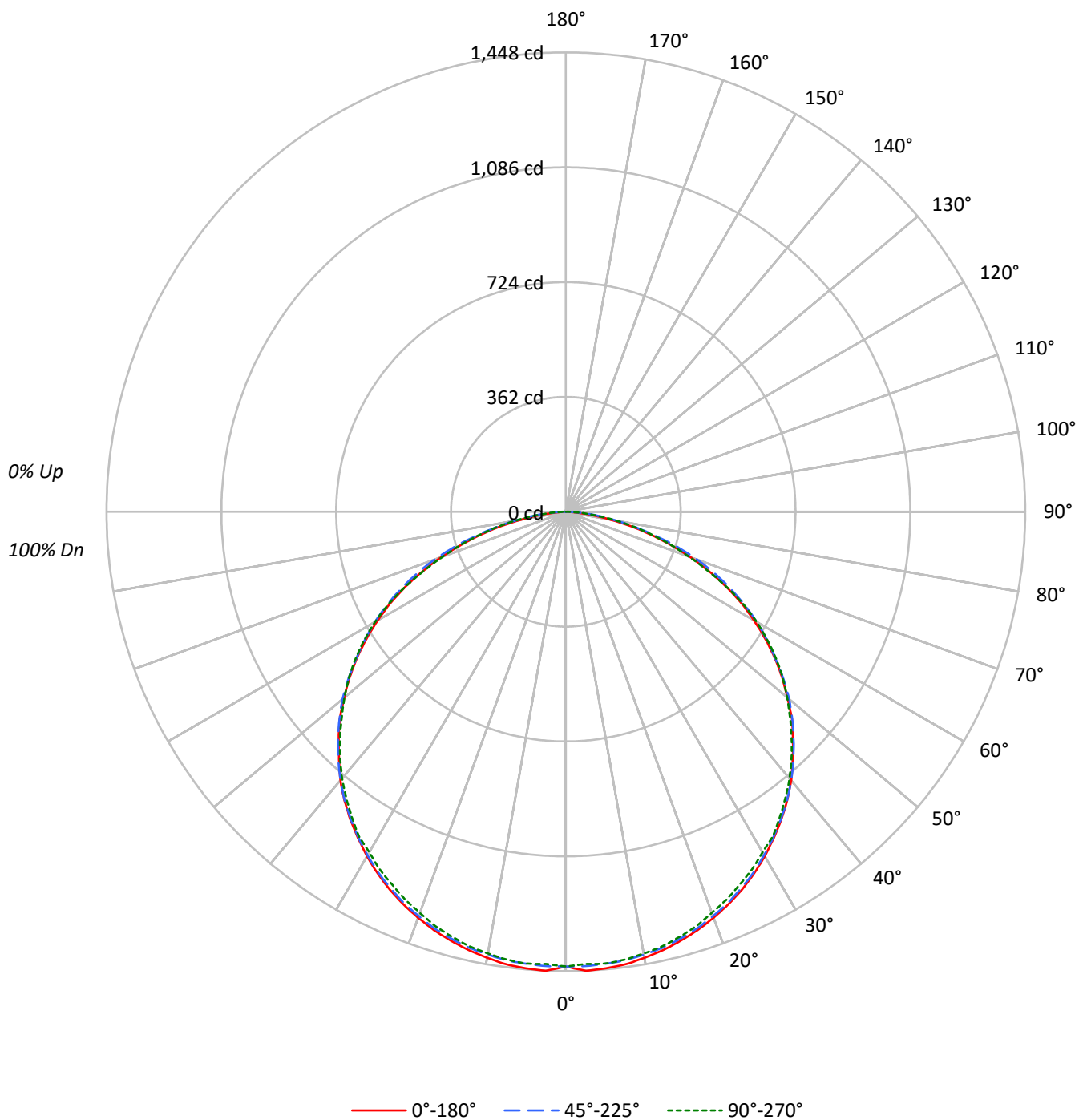
Lumens per Lamp: N/A
Luminaire Lumens: 4300.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 36
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: P1213709

CATALOG NUMBER: 2SNLED-LD5-50HL-UNV-L940-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1213709

CATALOG NUMBER: 2SNLED-LD5-50HL-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°	23167	23167	23167
5°	23314	22598	22459
10°	23175	22062	21767
15°	23036	21527	21085
20°	22903	20962	20358
25°	22767	20397	19679
30°	22584	19793	19012
35°	22389	19169	18370
40°	22166	18504	17602
45°	21783	17723	16721
50°	21334	16877	15826
55°	20791	15757	14860
60°	19953	14621	13598
65°	18777	13157	11827
70°	16854	11255	9589
75°	13985	8540	7371
80°	10033	5582	4831
85°	4727	2688	2156

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21783 cd/sqm

TEST NUMBER: P1213709

CATALOG NUMBER: 2SNLED-LD5-50HL-UNV-L940-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	3.2
10°-20°	392.3	9.1
20°-30°	600.6	14.0
30°-40°	735.8	17.1
40°-50°	778.3	18.1
50°-60°	718.4	16.7
60°-70°	554.5	12.9
70°-80°	307.8	7.2
80°-90°	76.2	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°	1129.0	26.3
0°-40°	1864.8	43.4
0°-60°	3361.5	78.2
0°-90°	4300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1445	1426	1431	1427	1430	137
15°	1400	1383	1393	1388	1387	395
25°	1314	1298	1309	1297	1297	606
35°	1184	1172	1182	1169	1176	741
45°	1013	1003	1016	1005	1006	781
55°	804	797	806	806	810	717
65°	557	551	572	569	558	549
75°	276	293	295	294	283	293
85°	44	64	66	67	62	59
90°	0	0	0	0	0	

TEST NUMBER: P1213709

CATALOG NUMBER: 2SNLED-LD5-50HL-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1433.4	1433.4	1433.4	1433.4	1433.4
2.5°	1448.4	1429.8	1433.4	1431.3	1427.0
5°	1444.9	1426.3	1430.6	1427.0	1429.8
7.5°	1439.1	1419.1	1426.3	1421.2	1424.1
10°	1427.7	1410.5	1417.7	1411.9	1414.1
12.5°	1415.5	1397.6	1407.7	1400.5	1403.4
15°	1399.8	1383.3	1393.3	1388.3	1386.9
17.5°	1382.6	1366.9	1376.9	1371.2	1369.0
20°	1361.9	1346.8	1356.1	1347.5	1345.4
22.5°	1339.0	1323.9	1334.7	1322.5	1323.2
25°	1313.9	1298.2	1308.9	1297.4	1296.7
27.5°	1285.3	1270.3	1281.7	1269.5	1271.0
30°	1253.8	1238.8	1250.2	1238.0	1239.5
32.5°	1219.4	1207.3	1217.3	1205.8	1213.7
35°	1184.4	1171.5	1182.2	1169.3	1175.8
37.5°	1146.4	1134.3	1145.7	1131.4	1137.1
40°	1105.7	1094.9	1104.9	1092.1	1097.1
42.5°	1058.4	1052.0	1062.0	1049.1	1053.4
45°	1012.6	1003.3	1015.5	1004.8	1006.2
47.5°	966.8	956.8	968.3	959.0	958.2
50°	911.7	908.1	918.9	911.7	911.0
52.5°	859.5	852.3	863.8	860.2	862.3
55°	803.7	797.2	806.5	805.8	810.1
57.5°	745.7	739.3	751.4	750.0	753.6
60°	684.1	679.1	694.9	691.3	694.2
62.5°	624.0	614.7	634.8	631.9	630.5
65°	556.8	551.0	572.5	568.9	558.2
67.5°	487.3	485.2	507.4	500.2	482.3
70°	417.9	419.4	440.8	427.2	412.2
72.5°	344.9	355.7	368.6	358.5	347.8
75°	276.2	292.7	294.8	294.1	283.4
77.5°	209.0	229.7	224.7	229.7	221.1
80°	146.0	168.9	165.3	169.6	162.4
82.5°	90.2	110.9	111.6	114.5	108.1
85°	43.7	64.4	65.8	66.6	61.5
87.5°	9.3	30.1	30.8	28.6	25.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)