

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: P1213473

Luminaire Tested: 4SNLED-LD5-56HL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213473
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-LD5-56HL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

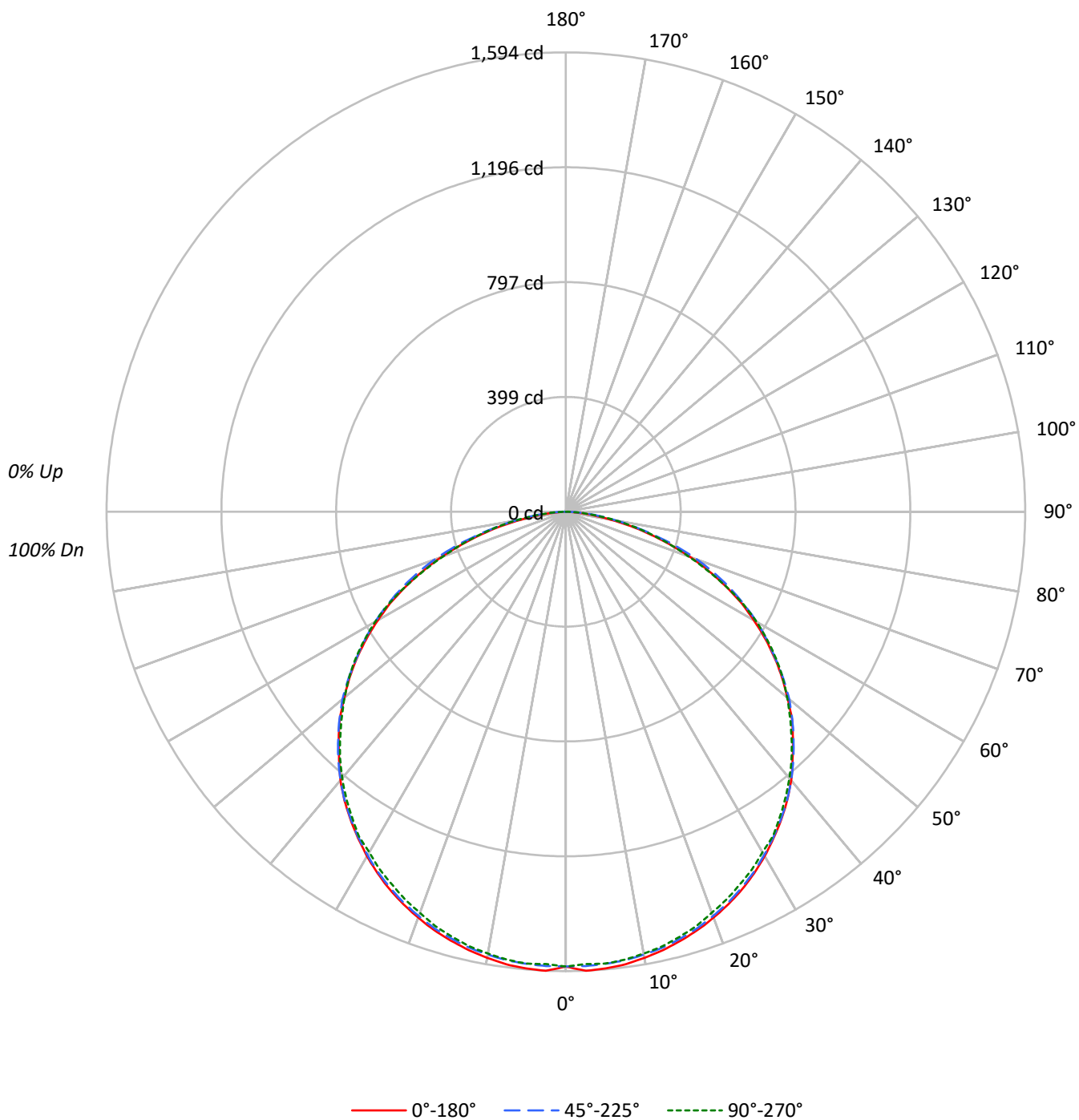
Lumens per Lamp: N/A
Luminaire Lumens: 4733.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 37
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: P1213473

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L935-CD1-U

Luminous Intensity Polar Plot



TEST NUMBER: P1213473

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L935-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	30	10	50	30	10
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°	12750	12750	12750
5°	12866	12460	12361
10°	12825	12186	11979
15°	12783	11912	11604
20°	12746	11621	11204
25°	12710	11327	10831
30°	12649	11012	10463
35°	12585	10686	10110
40°	12510	10336	9687
45°	12352	9921	9202
50°	12163	9470	8710
55°	11931	8866	8179
60°	11545	8252	7484
65°	10982	7454	6509
70°	10009	6405	5277
75°	8503	4887	4056
80°	6353	3220	2659
85°	3279	1568	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12352 cd/sqm

TEST NUMBER: P1213473

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	3.2
10°-20°	431.8	9.1
20°-30°	661.1	14.0
30°-40°	809.9	17.1
40°-50°	856.7	18.1
50°-60°	790.7	16.7
60°-70°	610.3	12.9
70°-80°	338.8	7.2
80°-90°	83.9	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°	1242.7	26.3
0°-40°	2052.6	43.4
0°-60°	3700.0	78.2
0°-90°	4733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4733.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1578	1578	1578	1578	1578	
5°	1590	1570	1575	1571	1574	151
15°	1541	1523	1534	1528	1527	435
25°	1446	1429	1441	1428	1427	667
35°	1304	1290	1301	1287	1294	816
45°	1115	1104	1118	1106	1108	860
55°	885	878	888	887	892	790
65°	613	606	630	626	614	604
75°	304	322	324	324	312	323
85°	48	71	72	73	68	65
90°	0	0	0	0	0	

TEST NUMBER: P1213473

CATALOG NUMBER: 4SNLED-LD5-56HL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1577.8	1577.8	1577.8	1577.8	1577.8
2.5°	1594.3	1573.8	1577.8	1575.4	1570.7
5°	1590.4	1569.9	1574.6	1570.7	1573.8
7.5°	1584.1	1562.0	1569.9	1564.4	1567.5
10°	1571.5	1552.6	1560.4	1554.1	1556.5
12.5°	1558.1	1538.4	1549.4	1541.5	1544.7
15°	1540.7	1522.6	1533.6	1528.1	1526.6
17.5°	1521.8	1504.5	1515.5	1509.2	1506.9
20°	1499.0	1482.4	1492.7	1483.2	1480.9
22.5°	1473.8	1457.2	1469.1	1455.7	1456.5
25°	1446.2	1428.9	1440.7	1428.1	1427.3
27.5°	1414.7	1398.2	1410.8	1397.4	1399.0
30°	1380.0	1363.5	1376.1	1362.7	1364.3
32.5°	1342.2	1328.8	1339.9	1327.3	1335.9
35°	1303.6	1289.5	1301.3	1287.1	1294.2
37.5°	1261.9	1248.5	1261.1	1245.3	1251.7
40°	1217.0	1205.2	1216.2	1202.0	1207.5
42.5°	1165.0	1157.9	1168.9	1154.8	1159.5
45°	1114.6	1104.4	1117.7	1105.9	1107.5
47.5°	1064.2	1053.2	1065.8	1055.5	1054.7
50°	1003.5	999.6	1011.4	1003.5	1002.7
52.5°	946.0	938.1	950.8	946.8	949.2
55°	884.6	877.5	887.7	886.9	891.7
57.5°	820.8	813.7	827.1	825.5	829.4
60°	753.0	747.5	764.9	760.9	764.1
62.5°	686.9	676.6	698.7	695.5	694.0
65°	612.8	606.5	630.2	626.2	614.4
67.5°	536.4	534.1	558.5	550.6	530.9
70°	460.0	461.6	485.2	470.3	453.7
72.5°	379.7	391.5	405.7	394.6	382.8
75°	304.1	322.2	324.5	323.7	311.9
77.5°	230.0	252.9	247.3	252.9	243.4
80°	160.7	185.9	182.0	186.7	178.8
82.5°	99.2	122.1	122.9	126.0	118.9
85°	48.0	70.9	72.5	73.3	67.7
87.5°	10.2	33.1	33.9	31.5	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)