

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: P1214182

Luminaire Tested: 4SNLED-LD5-56SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214182
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-LD5-56SL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

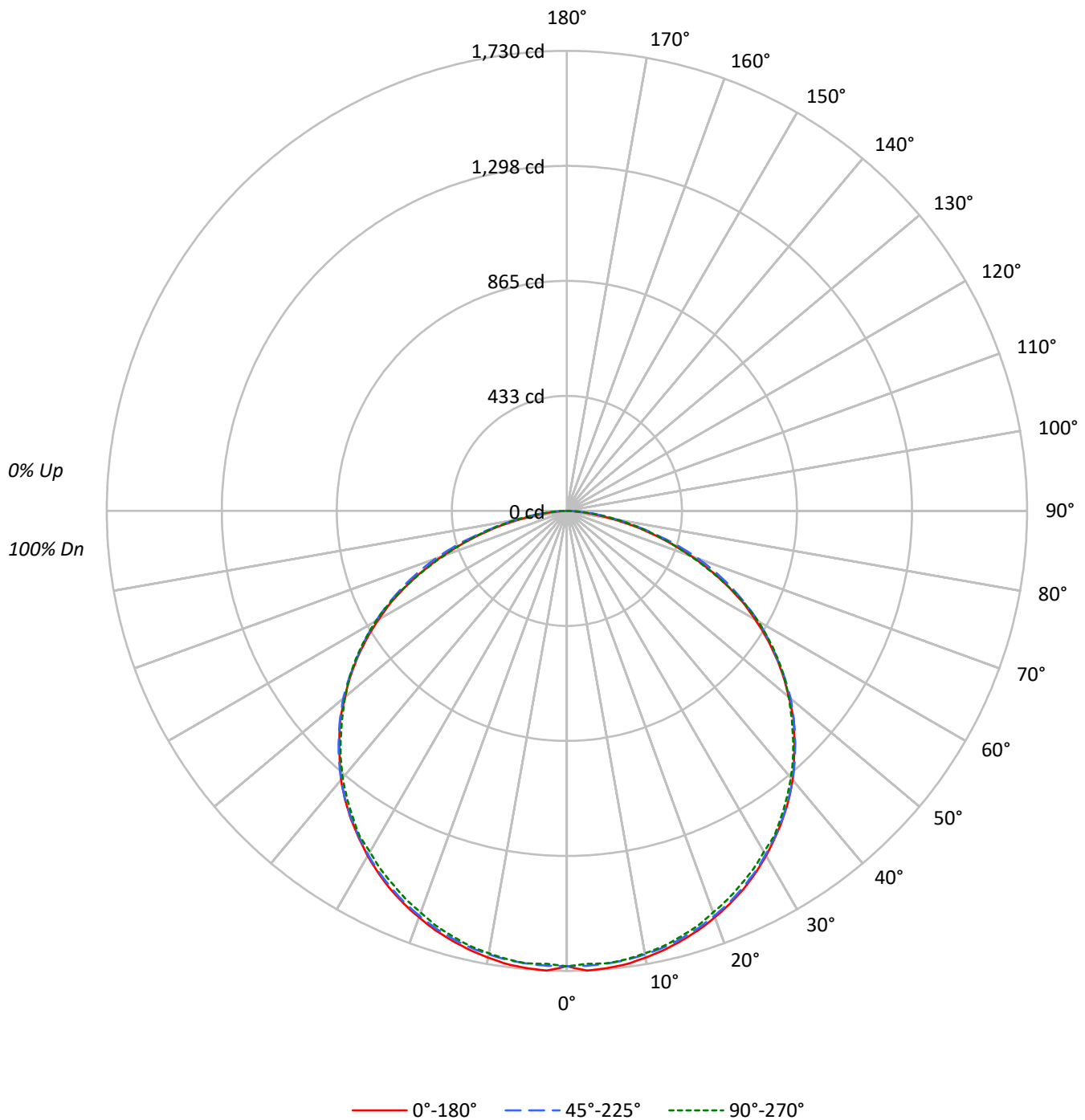
Lumens per Lamp: N/A
Luminaire Lumens: 5137.0 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 41
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: P1214182

CATALOG NUMBER: 4SNLED-LD5-56SL-UNV-L950-CD1-U

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
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°	13838	13838	13838
5°	13964	13523	13416
10°	13919	13227	13001
15°	13874	12930	12595
20°	13833	12612	12161
25°	13795	12294	11755
30°	13729	11953	11356
35°	13659	11598	10973
40°	13578	11218	10514
45°	13406	10769	9988
50°	13202	10278	9453
55°	12949	9623	8877
60°	12531	8956	8122
65°	11919	8089	7064
70°	10864	6951	5727
75°	9227	5305	4403
80°	6894	3494	2887
85°	3566	1702	1288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.5	3.2
10°-20°	468.7	9.1
20°-30°	717.5	14.0
30°-40°	879.1	17.1
40°-50°	929.8	18.1
50°-60°	858.2	16.7
60°-70°	662.4	12.9
70°-80°	367.7	7.2
80°-90°	91.1	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°	1348.7	26.3
0°-40°	2227.8	43.4
0°-60°	4015.8	78.2
0°-90°	5137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1712	1712	1712	1712	1712	
5°	1726	1704	1709	1705	1708	164
15°	1672	1653	1665	1659	1657	472
25°	1570	1551	1564	1550	1549	723
35°	1415	1400	1412	1397	1405	885
45°	1210	1199	1213	1200	1202	934
55°	960	952	964	963	968	857
65°	665	658	684	680	667	656
75°	330	350	352	351	339	350
85°	52	77	79	80	74	70
90°	0	0	0	0	0	

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CATALOG NUMBER: 4SNLED-LD5-56SL-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1712.4	1712.4	1712.4	1712.4	1712.4
2.5°	1730.4	1708.2	1712.4	1709.9	1704.7
5°	1726.1	1703.9	1709.0	1704.7	1708.2
7.5°	1719.3	1695.3	1703.9	1697.9	1701.3
10°	1705.6	1685.1	1693.6	1686.8	1689.3
12.5°	1691.1	1669.7	1681.7	1673.1	1676.5
15°	1672.2	1652.6	1664.6	1658.6	1656.9
17.5°	1651.7	1632.9	1644.9	1638.1	1635.5
20°	1626.9	1609.0	1620.1	1609.8	1607.3
22.5°	1599.6	1581.6	1594.5	1579.9	1580.8
25°	1569.7	1550.8	1563.7	1550.0	1549.1
27.5°	1535.5	1517.5	1531.2	1516.7	1518.4
30°	1497.8	1479.9	1493.6	1479.0	1480.7
32.5°	1456.8	1442.3	1454.2	1440.6	1450.0
35°	1414.9	1399.5	1412.4	1397.0	1404.7
37.5°	1369.6	1355.1	1368.7	1351.6	1358.5
40°	1320.9	1308.0	1320.0	1304.6	1310.6
42.5°	1264.4	1256.8	1268.7	1253.3	1258.5
45°	1209.7	1198.6	1213.2	1200.3	1202.0
47.5°	1155.0	1143.0	1156.7	1145.6	1144.8
50°	1089.2	1084.9	1097.7	1089.2	1088.3
52.5°	1026.8	1018.2	1031.9	1027.6	1030.2
55°	960.1	952.4	963.5	962.7	967.8
57.5°	890.8	883.1	897.7	896.0	900.2
60°	817.3	811.3	830.1	825.9	829.3
62.5°	745.5	734.4	758.3	754.9	753.2
65°	665.1	658.3	683.9	679.7	666.8
67.5°	582.2	579.6	606.1	597.6	576.2
70°	499.3	501.0	526.6	510.4	492.4
72.5°	412.1	424.9	440.3	428.3	415.5
75°	330.0	349.7	352.2	351.4	338.6
77.5°	249.6	274.4	268.4	274.4	264.2
80°	174.4	201.8	197.5	202.6	194.1
82.5°	107.7	132.5	133.4	136.8	129.1
85°	52.2	76.9	78.7	79.5	73.5
87.5°	11.1	35.9	36.8	34.2	29.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)