

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: P1213854

Luminaire Tested: 4SNLED-LD5-64HL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213854
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-LD5-64HL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

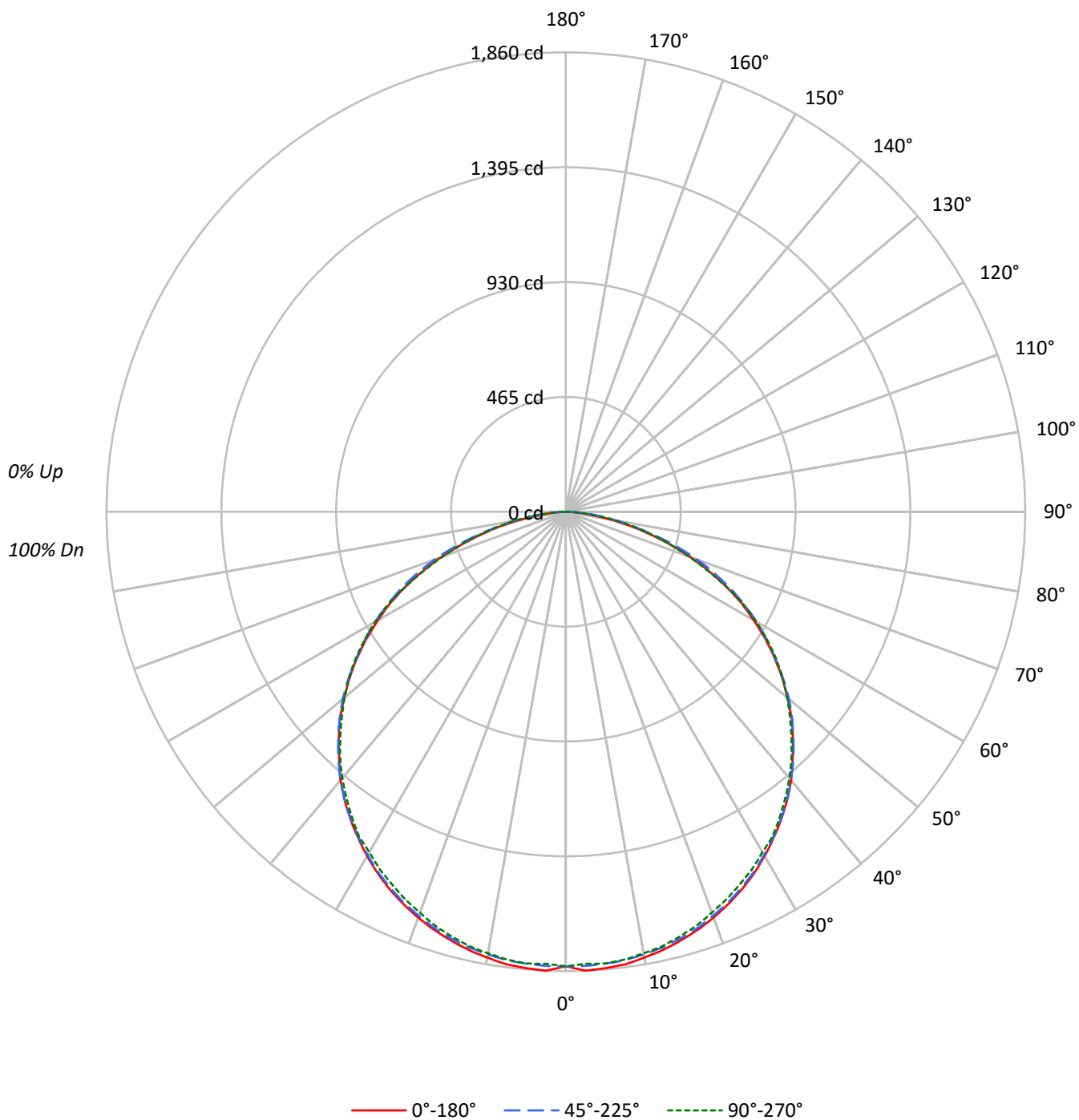
Lumens per Lamp: N/A
Luminaire Lumens: 5521.0 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 43
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
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°	14872	14872	14872
5°	15007	14534	14418
10°	14959	14215	13973
15°	14912	13896	13536
20°	14868	13555	13069
25°	14826	13213	12634
30°	14755	12846	12205
35°	14681	12465	11794
40°	14593	12057	11300
45°	14409	11573	10735
50°	14188	11047	10160
55°	13917	10342	9540
60°	13468	9626	8730
65°	12811	8695	7592
70°	11676	7471	6157
75°	9918	5702	4732
80°	7408	3756	3103
85°	3826	1828	1385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.7	3.2
10°-20°	503.7	9.1
20°-30°	771.1	14.0
30°-40°	944.8	17.1
40°-50°	999.3	18.1
50°-60°	922.4	16.7
60°-70°	711.9	12.9
70°-80°	395.1	7.2
80°-90°	97.9	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°	1449.5	26.3
0°-40°	2394.3	43.4
0°-60°	4316.0	78.2
0°-90°	5521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1840	1840	1840	1840	1840	
5°	1855	1831	1837	1832	1836	176
15°	1797	1776	1789	1783	1781	508
25°	1687	1667	1681	1666	1665	778
35°	1521	1504	1518	1501	1510	951
45°	1300	1288	1304	1290	1292	1003
55°	1032	1024	1036	1035	1040	921
65°	715	708	735	730	717	705
75°	355	376	379	378	364	376
85°	56	83	84	86	79	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1840.4	1840.4	1840.4	1840.4	1840.4
2.5°	1859.7	1835.8	1840.4	1837.7	1832.2
5°	1855.1	1831.3	1836.8	1832.2	1835.8
7.5°	1847.8	1822.1	1831.3	1824.8	1828.5
10°	1833.1	1811.0	1820.2	1812.9	1815.6
12.5°	1817.5	1794.5	1807.4	1798.2	1801.8
15°	1797.3	1776.1	1789.0	1782.6	1780.7
17.5°	1775.2	1755.0	1767.9	1760.5	1757.7
20°	1748.6	1729.3	1741.2	1730.2	1727.4
22.5°	1719.2	1699.9	1713.6	1698.0	1698.9
25°	1687.0	1666.8	1680.6	1665.9	1664.9
27.5°	1650.2	1630.9	1645.6	1630.0	1631.9
30°	1609.8	1590.5	1605.2	1589.6	1591.4
32.5°	1565.7	1550.1	1562.9	1548.2	1558.4
35°	1520.7	1504.1	1517.9	1501.4	1509.7
37.5°	1472.0	1456.4	1471.1	1452.7	1460.0
40°	1419.6	1405.8	1418.7	1402.2	1408.6
42.5°	1359.0	1350.7	1363.6	1347.0	1352.5
45°	1300.2	1288.2	1303.8	1290.1	1291.9
47.5°	1241.4	1228.5	1243.2	1231.2	1230.3
50°	1170.6	1166.0	1179.8	1170.6	1169.7
52.5°	1103.5	1094.3	1109.0	1104.4	1107.2
55°	1031.9	1023.6	1035.5	1034.6	1040.1
57.5°	957.4	949.2	964.8	962.9	967.5
60°	878.4	872.0	892.2	887.6	891.3
62.5°	801.2	789.3	815.0	811.3	809.5
65°	714.9	707.5	735.1	730.5	716.7
67.5°	625.7	623.0	651.5	642.3	619.3
70°	536.6	538.4	566.0	548.5	529.3
72.5°	442.9	456.7	473.2	460.3	446.6
75°	354.7	375.8	378.6	377.6	363.9
77.5°	268.3	294.9	288.5	294.9	283.9
80°	187.4	216.8	212.3	217.8	208.6
82.5°	115.8	142.4	143.3	147.0	138.7
85°	56.0	82.7	84.5	85.5	79.0
87.5°	11.9	38.6	39.5	36.8	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)