

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: P1214205

Luminaire Tested: 4SNLED-LD5-64HL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214205
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

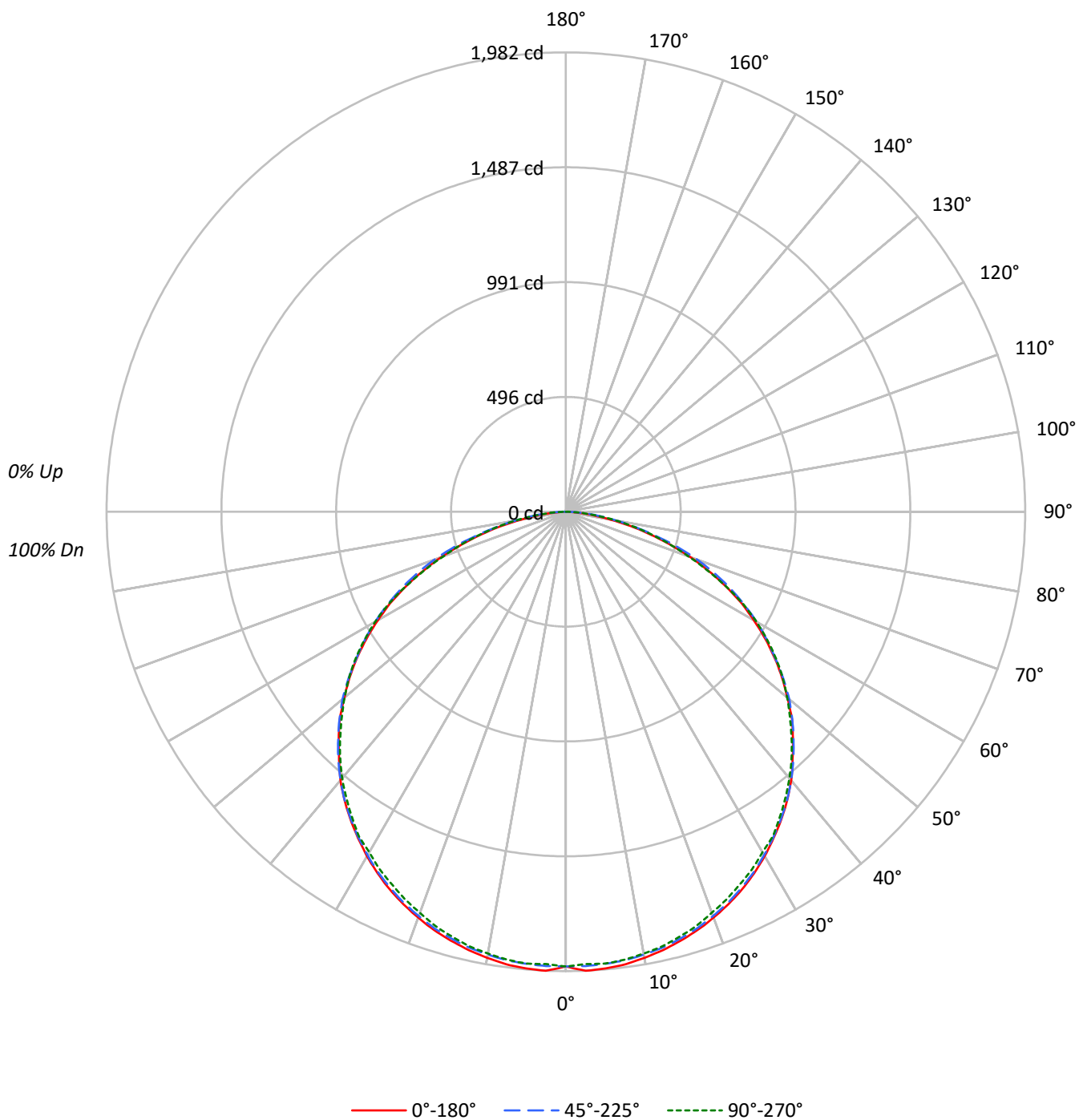
Lumens per Lamp: N/A
Luminaire Lumens: 5885.0 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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°	15853	15853	15853
5°	15998	15493	15369
10°	15945	15152	14895
15°	15894	14812	14428
20°	15848	14449	13931
25°	15803	14084	13467
30°	15728	13693	13010
35°	15648	13287	12571
40°	15555	12852	12045
45°	15359	12336	11443
50°	15124	11775	10830
55°	14834	11024	10169
60°	14355	10260	9304
65°	13655	9267	8092
70°	12446	7963	6561
75°	10572	6077	5044
80°	7898	4002	3306
85°	4079	1949	1476

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	3.2
10°-20°	537.0	9.1
20°-30°	822.0	14.0
30°-40°	1007.1	17.1
40°-50°	1065.2	18.1
50°-60°	983.2	16.7
60°-70°	758.9	12.9
70°-80°	421.2	7.2
80°-90°	104.3	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°	1545.1	26.3
0°-40°	2552.2	43.4
0°-60°	4600.6	78.2
0°-90°	5885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5885.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1962	1962	1962	1962	1962	
5°	1978	1952	1958	1953	1957	188
15°	1916	1893	1907	1900	1898	541
25°	1798	1777	1791	1776	1775	829
35°	1621	1603	1618	1600	1609	1014
45°	1386	1373	1390	1375	1377	1070
55°	1100	1091	1104	1103	1109	982
65°	762	754	784	779	764	751
75°	378	401	404	402	388	401
85°	60	88	90	91	84	80
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1961.8	1961.8	1961.8	1961.8	1961.8
2.5°	1982.3	1956.9	1961.8	1958.8	1953.0
5°	1977.5	1952.0	1957.9	1953.0	1956.9
7.5°	1969.6	1942.2	1952.0	1945.1	1949.0
10°	1953.9	1930.4	1940.2	1932.4	1935.3
12.5°	1937.3	1912.8	1926.5	1916.7	1920.6
15°	1915.7	1893.2	1906.9	1900.1	1898.1
17.5°	1892.2	1870.7	1884.4	1876.6	1873.6
20°	1863.8	1843.3	1856.0	1844.2	1841.3
22.5°	1832.5	1811.9	1826.6	1810.0	1810.9
25°	1798.2	1776.7	1791.4	1775.7	1774.7
27.5°	1759.0	1738.5	1754.1	1737.5	1739.5
30°	1715.9	1695.4	1711.0	1694.4	1696.4
32.5°	1668.9	1652.3	1666.0	1650.3	1661.1
35°	1620.9	1603.3	1618.0	1600.4	1609.2
37.5°	1569.0	1552.4	1568.1	1548.5	1556.3
40°	1513.2	1498.5	1512.2	1494.6	1501.5
42.5°	1448.6	1439.7	1453.5	1435.8	1441.7
45°	1385.9	1373.1	1389.8	1375.1	1377.1
47.5°	1323.2	1309.5	1325.2	1312.4	1311.4
50°	1247.8	1242.9	1257.6	1247.8	1246.8
52.5°	1176.3	1166.5	1182.2	1177.3	1180.2
55°	1099.9	1091.1	1103.8	1102.8	1108.7
57.5°	1020.6	1011.7	1028.4	1026.4	1031.3
60°	936.3	929.5	951.0	946.1	950.0
62.5°	854.1	841.3	868.7	864.8	862.9
65°	762.0	754.2	783.5	778.6	763.9
67.5°	667.0	664.0	694.4	684.6	660.1
70°	572.0	573.9	603.3	584.7	564.1
72.5°	472.1	486.8	504.4	490.7	476.0
75°	378.1	400.6	403.5	402.5	387.9
77.5°	286.0	314.4	307.5	314.4	302.6
80°	199.8	231.1	226.2	232.1	222.3
82.5°	123.4	151.8	152.8	156.7	147.9
85°	59.7	88.1	90.1	91.1	84.2
87.5°	12.7	41.1	42.1	39.2	34.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)