

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: P1214239

Luminaire Tested: 4SNLED-LD5-80SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214239
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-LD5-80SL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

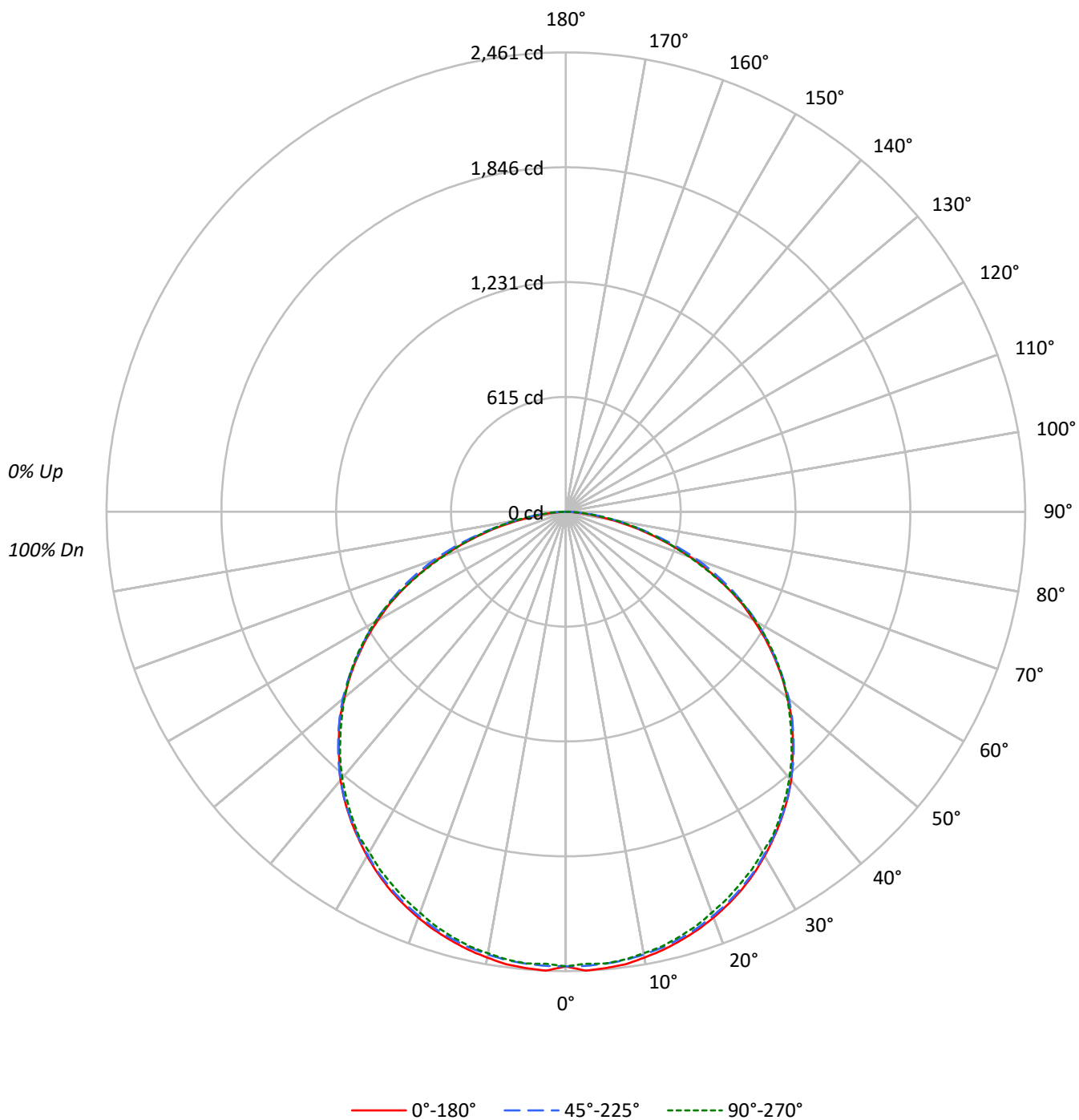
Lumens per Lamp: N/A
Luminaire Lumens: 7305.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 70
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			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°	19678	19678	19678
5°	19857	19231	19078
10°	19793	18809	18489
15°	19729	18387	17910
20°	19672	17935	17293
25°	19616	17483	16716
30°	19523	16997	16149
35°	19425	16493	15604
40°	19308	15953	14951
45°	19064	15312	14203
50°	18773	14616	13443
55°	18414	13684	12622
60°	17821	12736	11550
65°	16951	11504	10046
70°	15449	9885	8145
75°	13122	7544	6260
80°	9804	4967	4105
85°	5069	2418	1833

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.1	3.2
10°-20°	666.5	9.1
20°-30°	1020.3	14.0
30°-40°	1250.1	17.1
40°-50°	1322.2	18.1
50°-60°	1220.4	16.7
60°-70°	942.0	12.9
70°-80°	522.8	7.2
80°-90°	129.5	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°	1917.9	26.3
0°-40°	3168.0	43.4
0°-60°	5710.6	78.2
0°-90°	7305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2435	2435	2435	2435	2435	
5°	2455	2423	2430	2424	2429	233
15°	2378	2350	2367	2358	2356	672
25°	2232	2205	2224	2204	2203	1029
35°	2012	1990	2008	1986	1998	1259
45°	1720	1704	1725	1707	1709	1328
55°	1365	1354	1370	1369	1376	1219
65°	946	936	973	966	948	933
75°	469	497	501	500	481	498
85°	74	109	112	113	105	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2435.1	2435.1	2435.1	2435.1	2435.1
2.5°	2460.7	2429.1	2435.1	2431.5	2424.2
5°	2454.6	2423.0	2430.3	2424.2	2429.1
7.5°	2444.9	2410.8	2423.0	2414.5	2419.3
10°	2425.4	2396.2	2408.4	2398.7	2402.3
12.5°	2404.7	2374.4	2391.4	2379.2	2384.1
15°	2378.0	2350.0	2367.1	2358.5	2356.1
17.5°	2348.8	2322.1	2339.1	2329.4	2325.7
20°	2313.6	2288.0	2303.8	2289.3	2285.6
22.5°	2274.7	2249.1	2267.4	2246.7	2247.9
25°	2232.1	2205.4	2223.6	2204.1	2202.9
27.5°	2183.5	2157.9	2177.4	2156.7	2159.2
30°	2130.0	2104.5	2123.9	2103.2	2105.7
32.5°	2071.6	2051.0	2068.0	2048.5	2061.9
35°	2012.1	1990.2	2008.4	1986.5	1997.5
37.5°	1947.6	1927.0	1946.4	1922.1	1931.8
40°	1878.3	1860.1	1877.1	1855.2	1863.7
42.5°	1798.1	1787.1	1804.2	1782.3	1789.6
45°	1720.3	1704.5	1725.1	1706.9	1709.3
47.5°	1642.5	1625.5	1644.9	1629.1	1627.9
50°	1548.9	1542.8	1561.0	1548.9	1547.6
52.5°	1460.1	1448.0	1467.4	1461.3	1465.0
55°	1365.3	1354.3	1370.1	1368.9	1376.2
57.5°	1266.8	1255.9	1276.5	1274.1	1280.2
60°	1162.3	1153.7	1180.5	1174.4	1179.3
62.5°	1060.1	1044.3	1078.4	1073.5	1071.1
65°	945.9	936.1	972.6	966.5	948.3
67.5°	827.9	824.3	862.0	849.8	819.4
70°	710.0	712.4	748.9	725.8	700.3
72.5°	586.0	604.2	626.1	609.1	590.9
75°	469.3	497.2	500.9	499.7	481.4
77.5°	355.0	390.3	381.7	390.3	375.7
80°	248.0	286.9	280.8	288.1	276.0
82.5°	153.2	188.4	189.7	194.5	183.6
85°	74.2	109.4	111.8	113.1	104.6
87.5°	15.8	51.1	52.3	48.6	42.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)