

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: P1213139

Luminaire Tested: 4SNLED-LD5-60SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213139
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-LD5-60SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

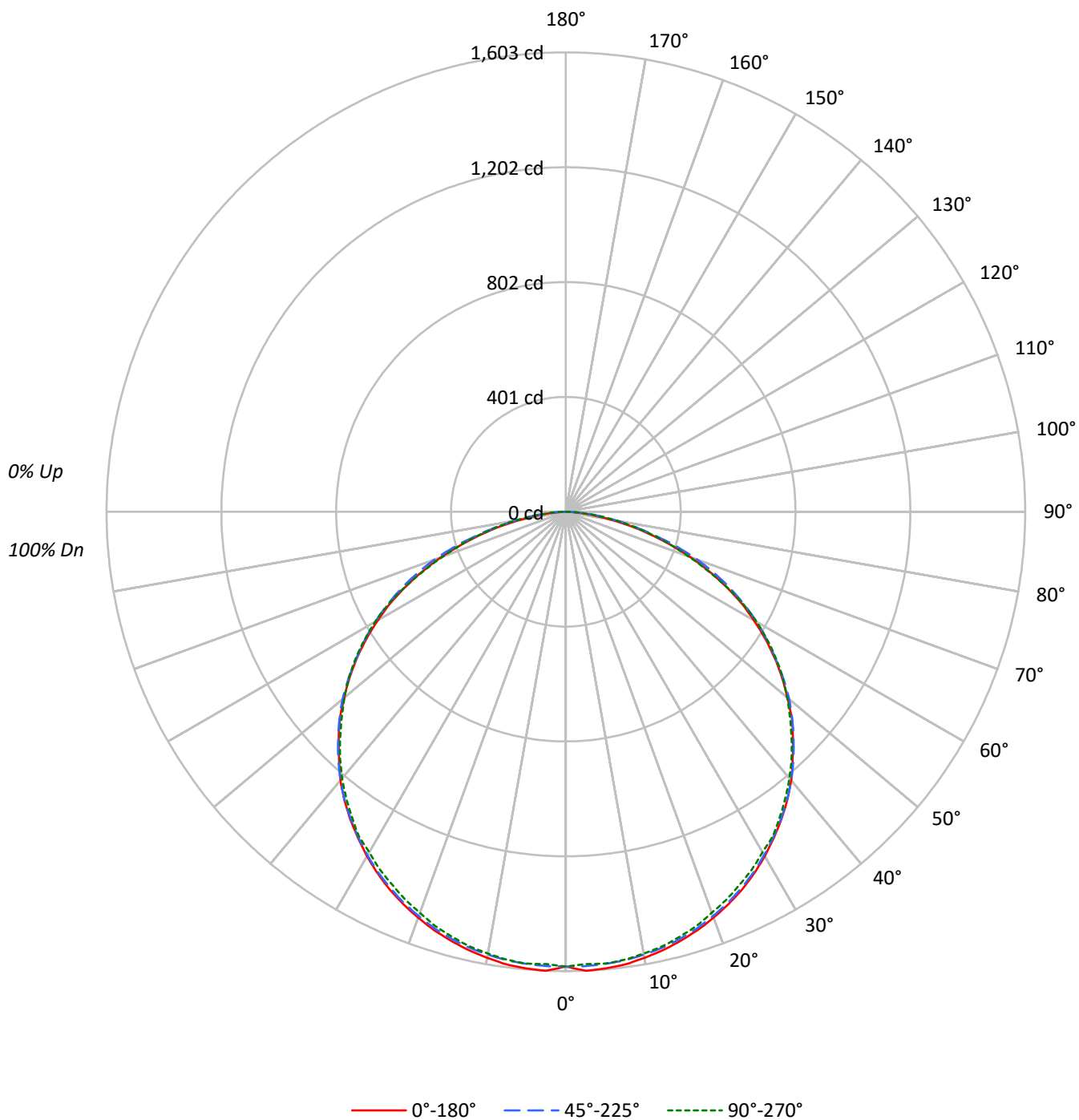
Lumens per Lamp: N/A
Luminaire Lumens: 4760.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 46
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°	12823	12823	12823
5°	12939	12531	12431
10°	12897	12256	12048
15°	12856	11981	11671
20°	12818	11687	11268
25°	12783	11392	10892
30°	12721	11076	10523
35°	12657	10747	10168
40°	12581	10395	9742
45°	12422	9978	9255
50°	12233	9524	8760
55°	11998	8917	8225
60°	11611	8299	7526
65°	11044	7497	6546
70°	10066	6442	5307
75°	8551	4916	4079
80°	6388	3237	2674
85°	3300	1577	1193

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12422 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	3.2
10°-20°	434.3	9.1
20°-30°	664.8	14.0
30°-40°	814.5	17.1
40°-50°	861.6	18.1
50°-60°	795.3	16.7
60°-70°	613.8	12.9
70°-80°	340.7	7.2
80°-90°	84.4	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°	1249.7	26.3
0°-40°	2064.3	43.4
0°-60°	3721.1	78.2
0°-90°	4760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4760.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1587	1587	1587	1587	1587	
5°	1599	1579	1584	1580	1583	152
15°	1550	1531	1542	1537	1535	438
25°	1454	1437	1449	1436	1435	670
35°	1311	1297	1309	1294	1302	820
45°	1121	1111	1124	1112	1114	865
55°	890	882	893	892	897	794
65°	616	610	634	630	618	608
75°	306	324	326	326	314	324
85°	48	71	73	74	68	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1586.8	1586.8	1586.8	1586.8	1586.8
2.5°	1603.4	1582.8	1586.8	1584.4	1579.6
5°	1599.4	1578.8	1583.6	1579.6	1582.8
7.5°	1593.1	1570.9	1578.8	1573.3	1576.5
10°	1580.4	1561.4	1569.3	1563.0	1565.4
12.5°	1567.0	1547.1	1558.2	1550.3	1553.5
15°	1549.5	1531.3	1542.4	1536.8	1535.3
17.5°	1530.5	1513.1	1524.2	1517.8	1515.5
20°	1507.5	1490.9	1501.2	1491.7	1489.3
22.5°	1482.2	1465.6	1477.4	1464.0	1464.8
25°	1454.5	1437.0	1448.9	1436.2	1435.4
27.5°	1422.8	1406.1	1418.8	1405.3	1406.9
30°	1387.9	1371.3	1384.0	1370.5	1372.1
32.5°	1349.9	1336.4	1347.5	1334.8	1343.6
35°	1311.1	1296.8	1308.7	1294.4	1301.6
37.5°	1269.1	1255.6	1268.3	1252.5	1258.8
40°	1223.9	1212.1	1223.1	1208.9	1214.4
42.5°	1171.6	1164.5	1175.6	1161.4	1166.1
45°	1120.9	1110.7	1124.1	1112.2	1113.8
47.5°	1070.2	1059.2	1071.8	1061.5	1060.7
50°	1009.3	1005.3	1017.2	1009.3	1008.5
52.5°	951.4	943.5	956.2	952.2	954.6
55°	889.6	882.5	892.8	892.0	896.8
57.5°	825.5	818.3	831.8	830.2	834.2
60°	757.3	751.8	769.2	765.3	768.4
62.5°	690.8	680.5	702.7	699.5	697.9
65°	616.3	610.0	633.8	629.8	617.9
67.5°	539.5	537.1	561.7	553.7	533.9
70°	462.6	464.2	488.0	472.9	456.3
72.5°	381.8	393.7	408.0	396.9	385.0
75°	305.8	324.0	326.4	325.6	313.7
77.5°	231.3	254.3	248.7	254.3	244.8
80°	161.6	187.0	183.0	187.7	179.8
82.5°	99.8	122.8	123.6	126.8	119.6
85°	48.3	71.3	72.9	73.7	68.1
87.5°	10.3	33.3	34.1	31.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)