

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: P1213489

Luminaire Tested: 4SNLED-LD5-60HL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213489
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-LD5-60HL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

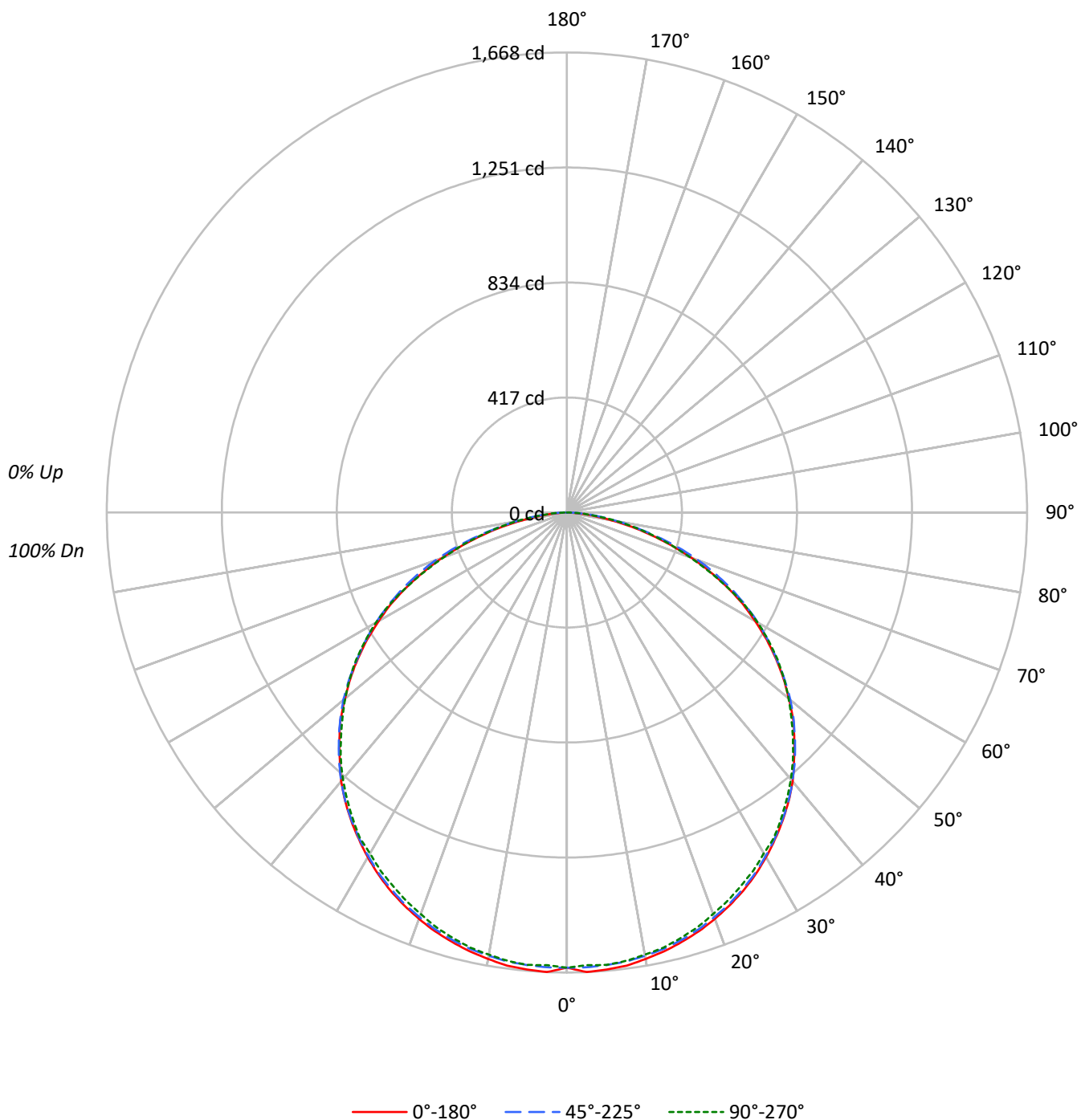
Lumens per Lamp: N/A
Luminaire Lumens: 4951.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 39
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: P1213489

CATALOG NUMBER: 4SNLED-LD5-60HL-UNV-L935-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	30	10	50	30	10
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°	13337	13337	13337
5°	13458	13033	12930
10°	13415	12748	12531
15°	13372	12462	12139
20°	13333	12155	11720
25°	13295	11849	11329
30°	13232	11520	10945
35°	13165	11178	10576
40°	13086	10812	10134
45°	12920	10378	9626
50°	12723	9906	9111
55°	12479	9274	8555
60°	12077	8632	7828
65°	11489	7797	6808
70°	10470	6700	5520
75°	8895	5113	4243
80°	6645	3366	2781
85°	3436	1640	1243

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	3.2
10°-20°	451.7	9.1
20°-30°	691.5	14.0
30°-40°	847.2	17.1
40°-50°	896.1	18.1
50°-60°	827.2	16.7
60°-70°	638.5	12.9
70°-80°	354.4	7.2
80°-90°	87.8	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°	1299.9	26.3
0°-40°	2147.1	43.4
0°-60°	3870.4	78.2
0°-90°	4951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1650	1650	1650	1650	1650	
5°	1664	1642	1647	1643	1646	158
15°	1612	1593	1604	1598	1597	455
25°	1513	1495	1507	1494	1493	697
35°	1364	1349	1361	1346	1354	853
45°	1166	1155	1169	1157	1158	900
55°	925	918	929	928	933	826
65°	641	634	659	655	643	632
75°	318	337	340	339	326	337
85°	50	74	76	77	71	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1650.4	1650.4	1650.4	1650.4	1650.4
2.5°	1667.7	1646.3	1650.4	1648.0	1643.0
5°	1663.6	1642.2	1647.1	1643.0	1646.3
7.5°	1657.0	1633.9	1642.2	1636.4	1639.7
10°	1643.8	1624.1	1632.3	1625.7	1628.2
12.5°	1629.8	1609.2	1620.8	1612.5	1615.8
15°	1611.7	1592.7	1604.3	1598.5	1596.9
17.5°	1591.9	1573.8	1585.3	1578.7	1576.3
20°	1568.0	1550.7	1561.4	1551.6	1549.1
22.5°	1541.7	1524.4	1536.7	1522.7	1523.5
25°	1512.8	1494.7	1507.1	1493.9	1493.0
27.5°	1479.9	1462.6	1475.7	1461.7	1463.4
30°	1443.6	1426.3	1439.5	1425.5	1427.1
32.5°	1404.1	1390.1	1401.6	1388.4	1397.5
35°	1363.7	1348.9	1361.2	1346.4	1353.8
37.5°	1320.0	1306.0	1319.2	1302.7	1309.3
40°	1273.0	1260.7	1272.2	1257.4	1263.2
42.5°	1218.7	1211.2	1222.8	1208.0	1212.9
45°	1165.9	1155.2	1169.2	1156.9	1158.5
47.5°	1113.2	1101.7	1114.8	1104.1	1103.3
50°	1049.7	1045.6	1058.0	1049.7	1048.9
52.5°	989.6	981.4	994.5	990.4	992.9
55°	925.3	917.9	928.6	927.8	932.7
57.5°	858.6	851.2	865.2	863.5	867.6
60°	787.7	782.0	800.1	796.0	799.3
62.5°	718.5	707.8	730.9	727.6	725.9
65°	641.1	634.5	659.2	655.1	642.7
67.5°	561.1	558.7	584.2	576.0	555.4
70°	481.2	482.9	507.6	491.9	474.6
72.5°	397.2	409.5	424.3	412.8	400.5
75°	318.1	337.0	339.5	338.7	326.3
77.5°	240.6	264.5	258.7	264.5	254.6
80°	168.1	194.5	190.3	195.3	187.0
82.5°	103.8	127.7	128.5	131.8	124.4
85°	50.3	74.2	75.8	76.6	70.9
87.5°	10.7	34.6	35.4	33.0	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)