

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: P1213480

Luminaire Tested: 4SNLED-LD5-56SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213480
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-LD5-56SL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

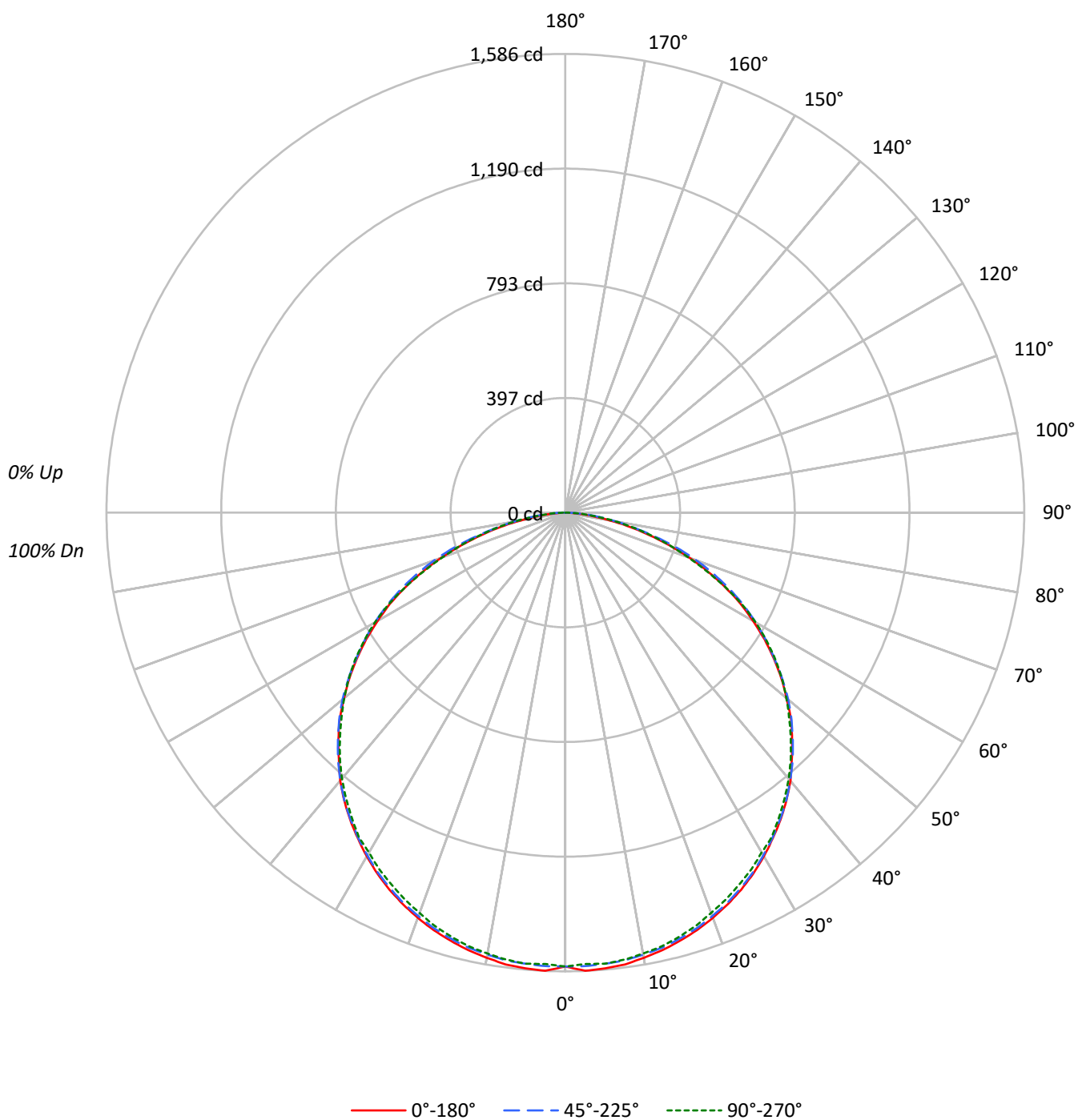
Lumens per Lamp: N/A
Luminaire Lumens: 4707.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 41
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°	12680	12680	12680
5°	12795	12391	12293
10°	12754	12120	11913
15°	12713	11847	11541
20°	12676	11557	11142
25°	12640	11265	10771
30°	12580	10952	10405
35°	12516	10627	10055
40°	12441	10279	9634
45°	12284	9867	9152
50°	12096	9418	8662
55°	11864	8818	8134
60°	11482	8207	7443
65°	10922	7413	6473
70°	9955	6370	5248
75°	8456	4860	4034
80°	6317	3202	2644
85°	3266	1560	1181

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12284 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	3.2
10°-20°	429.5	9.1
20°-30°	657.4	14.0
30°-40°	805.5	17.1
40°-50°	852.0	18.1
50°-60°	786.4	16.7
60°-70°	607.0	12.9
70°-80°	336.9	7.2
80°-90°	83.5	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°	1235.8	26.3
0°-40°	2041.3	43.4
0°-60°	3679.7	78.2
0°-90°	4707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1582	1561	1566	1562	1565	150
15°	1532	1514	1525	1520	1518	433
25°	1438	1421	1433	1420	1420	663
35°	1296	1282	1294	1280	1287	811
45°	1108	1098	1112	1100	1101	855
55°	880	873	883	882	887	785
65°	610	603	627	623	611	601
75°	302	320	323	322	310	321
85°	48	70	72	73	67	64
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1569.1	1569.1	1569.1	1569.1	1569.1
2.5°	1585.5	1565.2	1569.1	1566.7	1562.0
5°	1581.6	1561.3	1566.0	1562.0	1565.2
7.5°	1575.4	1553.4	1561.3	1555.8	1558.9
10°	1562.8	1544.0	1551.9	1545.6	1547.9
12.5°	1549.5	1529.9	1540.9	1533.1	1536.2
15°	1532.3	1514.3	1525.2	1519.7	1518.2
17.5°	1513.5	1496.2	1507.2	1500.9	1498.6
20°	1490.8	1474.3	1484.5	1475.1	1472.7
22.5°	1465.7	1449.2	1461.0	1447.7	1448.5
25°	1438.3	1421.0	1432.8	1420.2	1419.5
27.5°	1406.9	1390.5	1403.0	1389.7	1391.3
30°	1372.5	1356.0	1368.5	1355.2	1356.8
32.5°	1334.9	1321.5	1332.5	1320.0	1328.6
35°	1296.5	1282.4	1294.1	1280.0	1287.1
37.5°	1255.0	1241.6	1254.2	1238.5	1244.8
40°	1210.3	1198.6	1209.5	1195.4	1200.9
42.5°	1158.6	1151.6	1162.5	1148.4	1153.1
45°	1108.5	1098.3	1111.6	1099.9	1101.4
47.5°	1058.3	1047.4	1059.9	1049.7	1048.9
50°	998.0	994.1	1005.8	998.0	997.2
52.5°	940.8	933.0	945.5	941.6	944.0
55°	879.7	872.7	882.9	882.1	886.8
57.5°	816.3	809.2	822.5	821.0	824.9
60°	748.9	743.4	760.7	756.7	759.9
62.5°	683.1	672.9	694.8	691.7	690.1
65°	609.5	603.2	626.7	622.8	611.0
67.5°	533.5	531.1	555.4	547.6	528.0
70°	457.5	459.1	482.6	467.7	451.2
72.5°	377.6	389.3	403.4	392.5	380.7
75°	302.4	320.4	322.7	322.0	310.2
77.5°	228.7	251.5	246.0	251.5	242.1
80°	159.8	184.9	181.0	185.7	177.8
82.5°	98.7	121.4	122.2	125.3	118.3
85°	47.8	70.5	72.1	72.9	67.4
87.5°	10.2	32.9	33.7	31.3	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)