

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: P1213429

Luminaire Tested: 4SNLED-LD5-44SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213429
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-LD5-44SL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

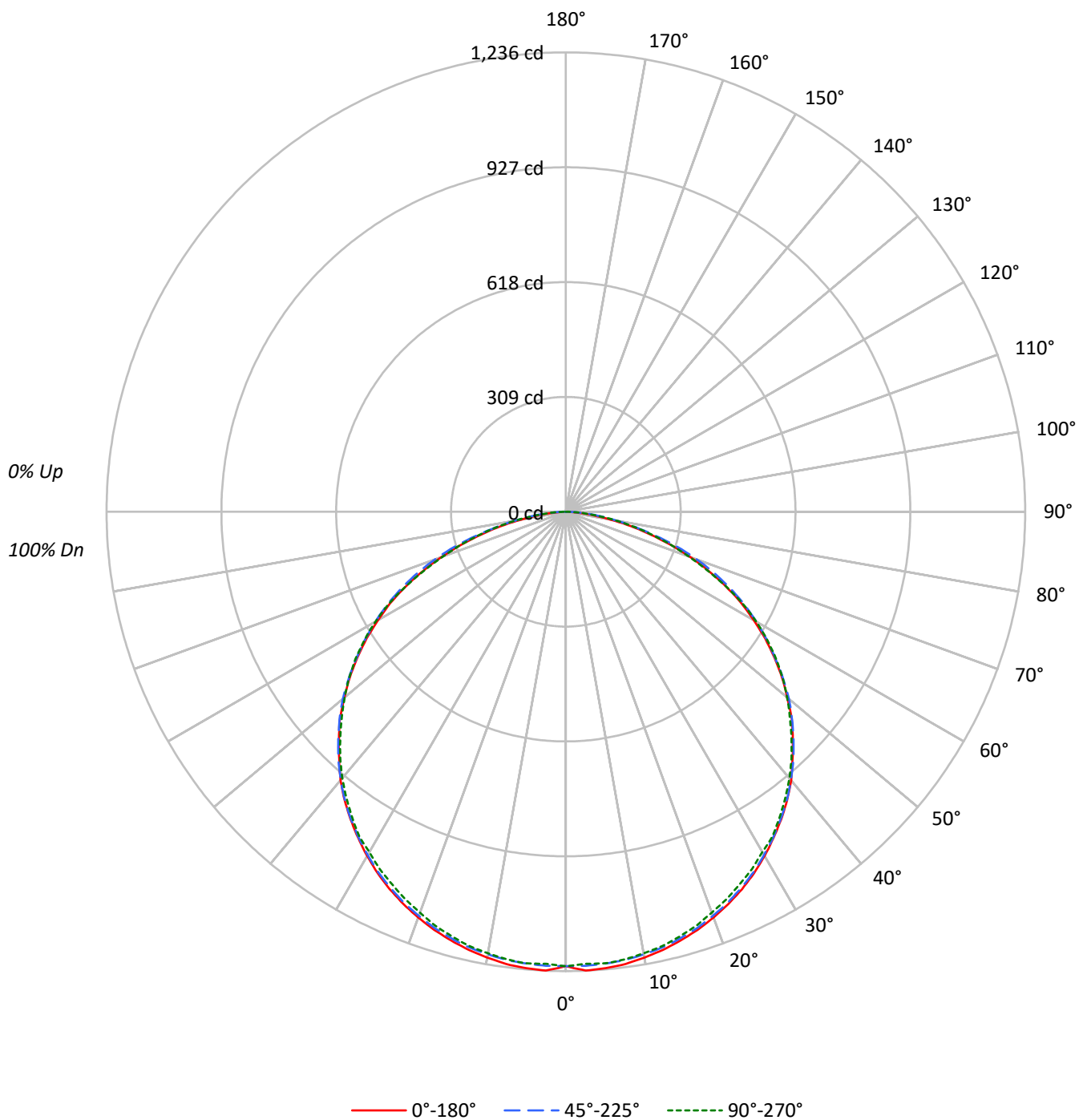
Lumens per Lamp: N/A
Luminaire Lumens: 3668.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 31
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°	9881	9881	9881
5°	9971	9656	9579
10°	9939	9444	9284
15°	9906	9233	8993
20°	9878	9006	8683
25°	9850	8778	8393
30°	9803	8535	8109
35°	9753	8282	7835
40°	9695	8010	7507
45°	9573	7689	7132
50°	9426	7339	6750
55°	9245	6871	6338
60°	8948	6395	5799
65°	8510	5777	5045
70°	7757	4963	4090
75°	6588	3788	3143
80°	4922	2494	2061
85°	2541	1216	920

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9573 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	3.2
10°-20°	334.7	9.1
20°-30°	512.3	14.0
30°-40°	627.7	17.1
40°-50°	663.9	18.1
50°-60°	612.8	16.7
60°-70°	473.0	12.9
70°-80°	262.5	7.2
80°-90°	65.0	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°	963.0	26.3
0°-40°	1590.7	43.4
0°-60°	2867.4	78.2
0°-90°	3668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1223	1223	1223	1223	1223	
5°	1232	1217	1220	1217	1220	117
15°	1194	1180	1189	1184	1183	337
25°	1121	1107	1116	1107	1106	517
35°	1010	999	1008	998	1003	632
45°	864	856	866	857	858	667
55°	686	680	688	687	691	612
65°	475	470	488	485	476	468
75°	236	250	252	251	242	250
85°	37	55	56	57	52	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1222.7	1222.7	1222.7	1222.7	1222.7
2.5°	1235.6	1219.7	1222.7	1220.9	1217.2
5°	1232.5	1216.6	1220.3	1217.2	1219.7
7.5°	1227.6	1210.5	1216.6	1212.4	1214.8
10°	1217.9	1203.2	1209.3	1204.4	1206.3
12.5°	1207.5	1192.2	1200.8	1194.7	1197.1
15°	1194.0	1180.0	1188.6	1184.3	1183.1
17.5°	1179.4	1166.0	1174.5	1169.6	1167.8
20°	1161.7	1148.9	1156.8	1149.5	1147.7
22.5°	1142.2	1129.3	1138.5	1128.1	1128.7
25°	1120.8	1107.4	1116.5	1106.8	1106.1
27.5°	1096.4	1083.6	1093.3	1082.9	1084.2
30°	1069.5	1056.7	1066.5	1056.1	1057.3
32.5°	1040.2	1029.8	1038.4	1028.6	1035.3
35°	1010.3	999.3	1008.5	997.5	1003.0
37.5°	977.9	967.6	977.3	965.1	970.0
40°	943.1	934.0	942.5	931.6	935.8
42.5°	902.9	897.4	905.9	894.9	898.6
45°	863.8	855.9	866.2	857.1	858.3
47.5°	824.7	816.2	825.9	818.0	817.4
50°	777.7	774.7	783.8	777.7	777.1
52.5°	733.2	727.0	736.8	733.8	735.6
55°	685.5	680.0	688.0	687.4	691.0
57.5°	636.1	630.6	641.0	639.8	642.8
60°	583.6	579.3	592.7	589.7	592.1
62.5°	532.3	524.4	541.5	539.0	537.8
65°	474.9	470.0	488.4	485.3	476.2
67.5°	415.7	413.9	432.8	426.7	411.4
70°	356.5	357.7	376.0	364.4	351.6
72.5°	294.2	303.4	314.4	305.8	296.7
75°	235.6	249.7	251.5	250.9	241.7
77.5°	178.3	196.0	191.7	196.0	188.6
80°	124.5	144.1	141.0	144.7	138.6
82.5°	76.9	94.6	95.2	97.7	92.2
85°	37.2	54.9	56.2	56.8	52.5
87.5°	7.9	25.6	26.2	24.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)