

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: P1213379

Luminaire Tested: 4SNLED-LD5-24SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213379
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-LD5-24SL-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

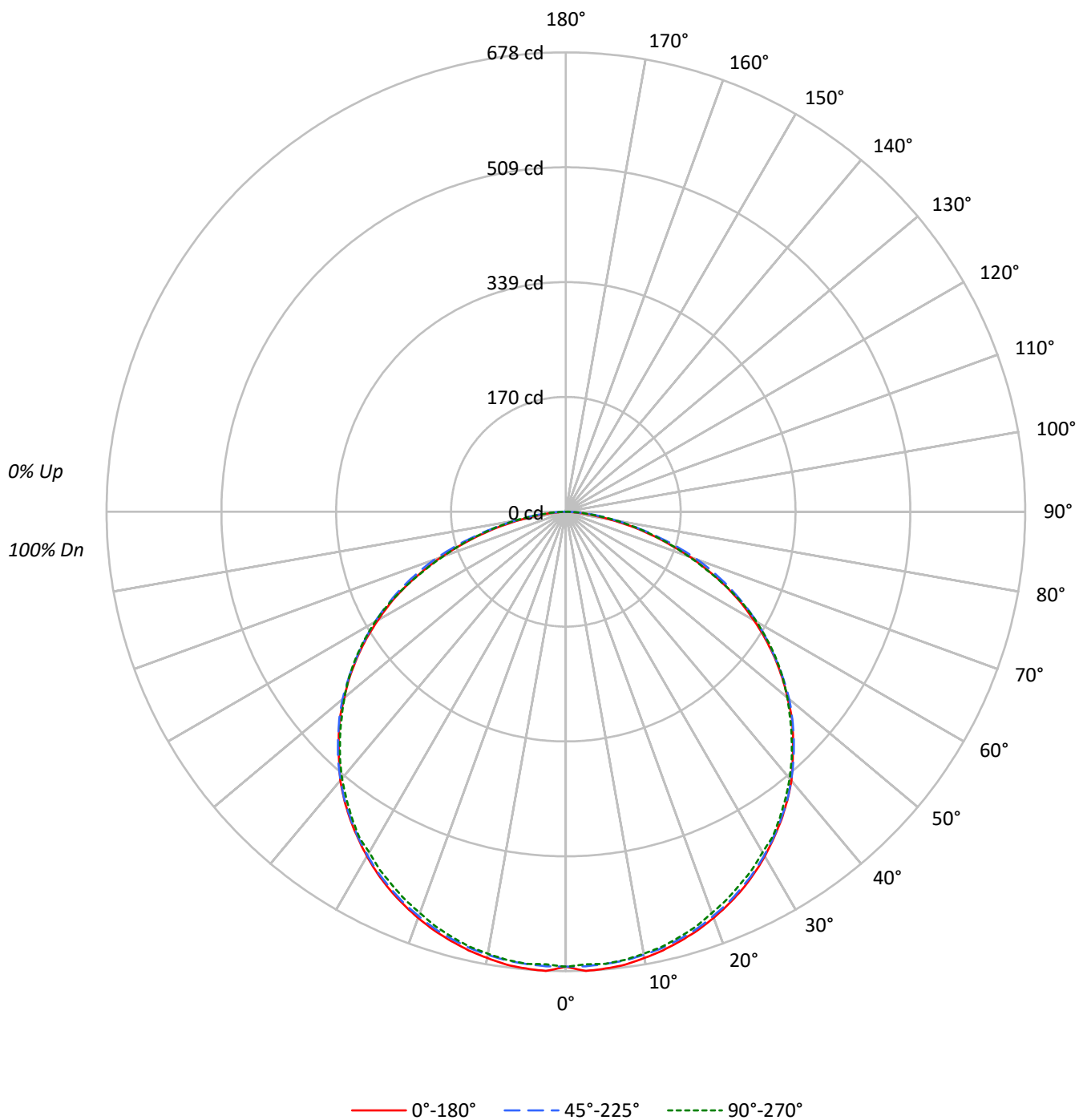
Lumens per Lamp: N/A
Luminaire Lumens: 2014.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 16
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°	5426	5426	5426
5°	5474	5302	5260
10°	5457	5186	5097
15°	5439	5069	4938
20°	5424	4945	4767
25°	5408	4820	4609
30°	5382	4686	4452
35°	5355	4547	4302
40°	5324	4398	4122
45°	5256	4221	3916
50°	5175	4030	3706
55°	5076	3773	3480
60°	4912	3512	3184
65°	4674	3171	2769
70°	4258	2726	2246
75°	3618	2080	1726
80°	2704	1369	1132
85°	1394	666	505

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5256 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	3.2
10°-20°	183.8	9.1
20°-30°	281.3	14.0
30°-40°	344.6	17.1
40°-50°	364.5	18.1
50°-60°	336.5	16.7
60°-70°	259.7	12.9
70°-80°	144.1	7.2
80°-90°	35.7	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°	528.8	26.3
0°-40°	873.4	43.4
0°-60°	1574.4	78.2
0°-90°	2014.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2014.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	677	668	670	668	670	64
15°	656	648	653	650	650	185
25°	615	608	613	608	607	284
35°	555	549	554	548	551	347
45°	474	470	476	471	471	366
55°	376	373	378	377	379	336
65°	261	258	268	266	261	257
75°	129	137	138	138	133	137
85°	20	30	31	31	29	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.4	671.4	671.4	671.4	671.4
2.5°	678.4	669.7	671.4	670.4	668.4
5°	676.7	668.0	670.0	668.4	669.7
7.5°	674.1	664.7	668.0	665.7	667.0
10°	668.7	660.6	664.0	661.3	662.3
12.5°	663.0	654.6	659.3	656.0	657.3
15°	655.6	647.9	652.6	650.3	649.6
17.5°	647.6	640.2	644.9	642.2	641.2
20°	637.9	630.8	635.2	631.1	630.1
22.5°	627.1	620.1	625.1	619.4	619.8
25°	615.4	608.0	613.1	607.7	607.4
27.5°	602.0	595.0	600.3	594.6	595.3
30°	587.2	580.2	585.6	579.9	580.5
32.5°	571.2	565.5	570.1	564.8	568.5
35°	554.7	548.7	553.7	547.7	550.7
37.5°	537.0	531.3	536.6	529.9	532.6
40°	517.9	512.8	517.5	511.5	513.8
42.5°	495.7	492.7	497.4	491.4	493.4
45°	474.3	469.9	475.6	470.6	471.3
47.5°	452.8	448.1	453.5	449.1	448.8
50°	427.0	425.3	430.4	427.0	426.7
52.5°	402.6	399.2	404.6	402.9	403.9
55°	376.4	373.4	377.8	377.4	379.4
57.5°	349.3	346.2	351.9	351.3	352.9
60°	320.4	318.1	325.5	323.8	325.1
62.5°	292.3	287.9	297.3	296.0	295.3
65°	260.8	258.1	268.1	266.5	261.4
67.5°	228.3	227.3	237.6	234.3	225.9
70°	195.7	196.4	206.5	200.1	193.1
72.5°	161.6	166.6	172.6	167.9	162.9
75°	129.4	137.1	138.1	137.8	132.7
77.5°	97.9	107.6	105.2	107.6	103.6
80°	68.4	79.1	77.4	79.4	76.1
82.5°	42.2	52.0	52.3	53.6	50.6
85°	20.4	30.2	30.8	31.2	28.8
87.5°	4.4	14.1	14.4	13.4	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)