

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: P1213684

Luminaire Tested: 2SNLED-LD5-24SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213684
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: 2SNLED-LD5-24SL-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

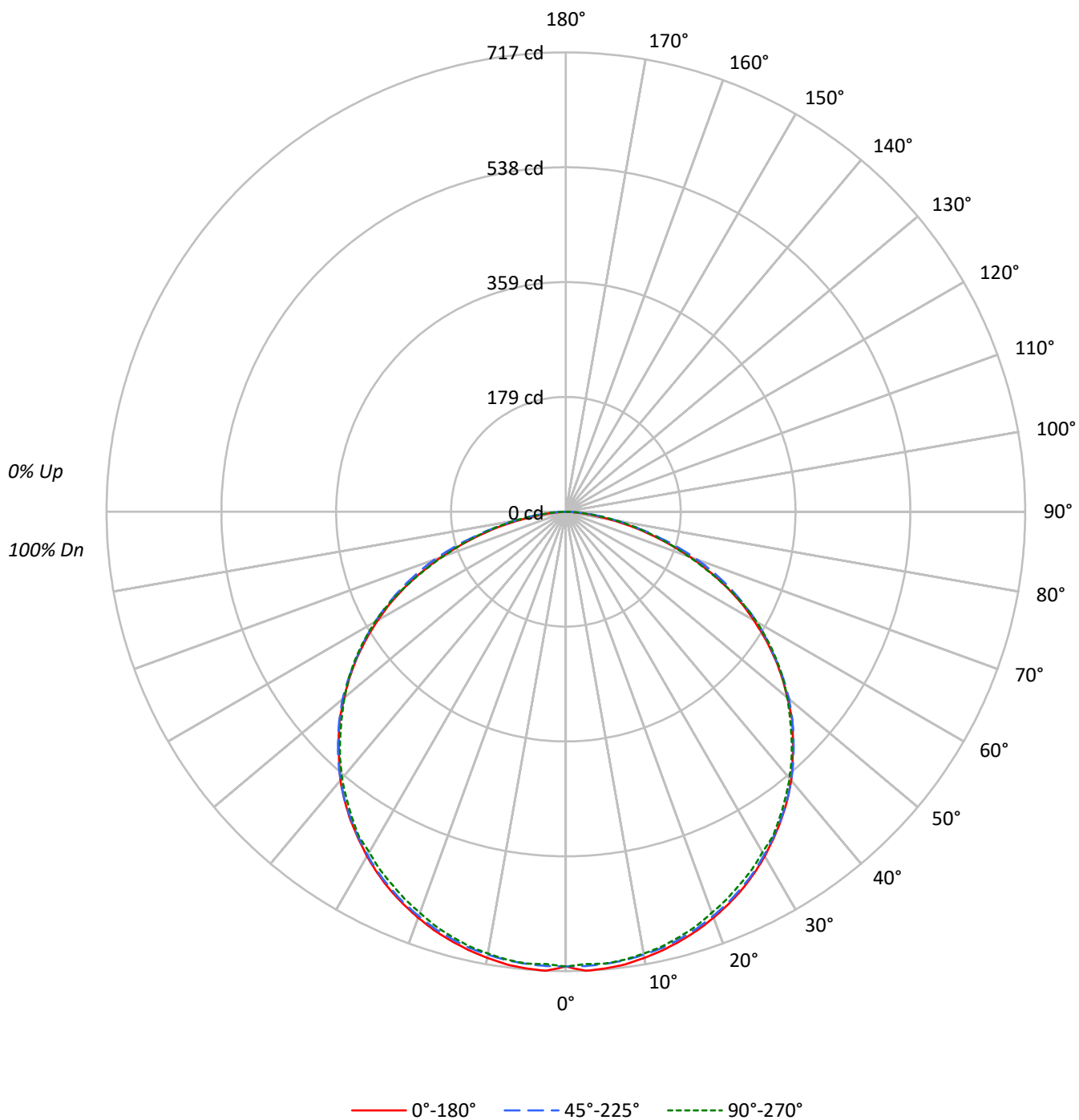
Lumens per Lamp: N/A
Luminaire Lumens: 2129.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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	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°	11470	11470	11470
5°	11543	11188	11120
10°	11475	10923	10776
15°	11406	10659	10440
20°	11340	10378	10079
25°	11272	10099	9743
30°	11182	9800	9413
35°	11085	9491	9096
40°	10974	9162	8715
45°	10786	8775	8279
50°	10563	8355	7837
55°	10293	7802	7358
60°	9879	7238	6733
65°	9297	6516	5856
70°	8344	5574	4748
75°	6927	4230	3649
80°	4968	2763	2392
85°	2336	1332	1069

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	3.2
10°-20°	194.3	9.1
20°-30°	297.4	14.0
30°-40°	364.3	17.1
40°-50°	385.4	18.1
50°-60°	355.7	16.7
60°-70°	274.5	12.9
70°-80°	152.4	7.2
80°-90°	37.7	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°	559.0	26.3
0°-40°	923.3	43.4
0°-60°	1664.3	78.2
0°-90°	2129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	715	706	708	706	708	68
15°	693	685	690	687	687	196
25°	650	643	648	642	642	300
35°	586	580	585	579	582	367
45°	501	497	503	498	498	387
55°	398	395	399	399	401	355
65°	276	273	284	282	276	272
75°	137	145	146	146	140	145
85°	22	32	33	33	30	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.7	709.7	709.7	709.7	709.7
2.5°	717.1	707.9	709.7	708.6	706.5
5°	715.4	706.2	708.3	706.5	707.9
7.5°	712.5	702.6	706.2	703.7	705.1
10°	706.9	698.4	701.9	699.1	700.1
12.5°	700.8	692.0	697.0	693.4	694.8
15°	693.1	684.9	689.9	687.4	686.7
17.5°	684.6	676.8	681.7	678.9	677.8
20°	674.3	666.8	671.4	667.2	666.1
22.5°	662.9	655.5	660.8	654.8	655.1
25°	650.5	642.7	648.1	642.4	642.0
27.5°	636.4	628.9	634.6	628.6	629.3
30°	620.8	613.3	619.0	613.0	613.7
32.5°	603.8	597.7	602.7	597.0	600.9
35°	586.4	580.0	585.3	579.0	582.2
37.5°	567.6	561.6	567.3	560.2	563.0
40°	547.4	542.1	547.1	540.7	543.2
42.5°	524.0	520.9	525.8	519.4	521.6
45°	501.4	496.8	502.8	497.5	498.2
47.5°	478.7	473.7	479.4	474.8	474.4
50°	451.4	449.6	454.9	451.4	451.1
52.5°	425.5	422.0	427.7	425.9	427.0
55°	397.9	394.7	399.3	399.0	401.1
57.5°	369.2	366.0	372.0	371.3	373.1
60°	338.7	336.3	344.0	342.3	343.7
62.5°	309.0	304.4	314.3	312.9	312.2
65°	275.7	272.8	283.5	281.7	276.4
67.5°	241.3	240.2	251.2	247.7	238.8
70°	206.9	207.6	218.3	211.5	204.1
72.5°	170.8	176.1	182.5	177.5	172.2
75°	136.8	144.9	146.0	145.6	140.3
77.5°	103.5	113.7	111.3	113.7	109.5
80°	72.3	83.6	81.8	84.0	80.4
82.5°	44.6	54.9	55.3	56.7	53.5
85°	21.6	31.9	32.6	33.0	30.5
87.5°	4.6	14.9	15.2	14.2	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)