

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: P1213730

Luminaire Tested: 4SNLED-LD5-24SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213730
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

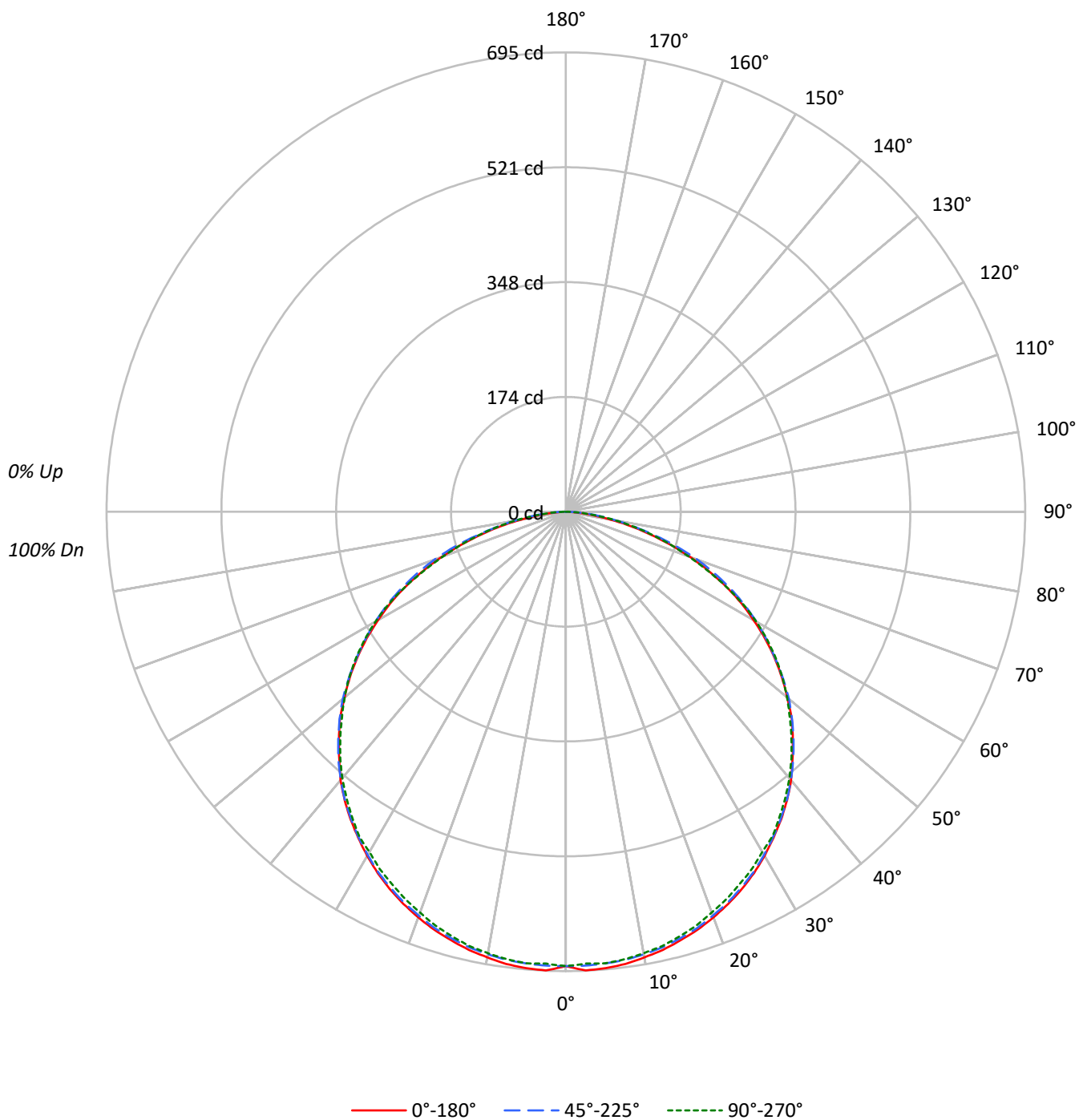
Lumens per Lamp: N/A
Luminaire Lumens: 2062.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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°	5555	5555	5555
5°	5605	5428	5385
10°	5587	5309	5219
15°	5569	5190	5056
20°	5553	5063	4882
25°	5538	4935	4718
30°	5510	4798	4559
35°	5482	4655	4404
40°	5450	4503	4220
45°	5381	4323	4009
50°	5299	4125	3795
55°	5198	3863	3563
60°	5030	3595	3260
65°	4785	3247	2836
70°	4361	2790	2300
75°	3705	2130	1767
80°	2767	1403	1159
85°	1428	684	517

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	3.2
10°-20°	188.1	9.1
20°-30°	288.0	14.0
30°-40°	352.9	17.1
40°-50°	373.2	18.1
50°-60°	344.5	16.7
60°-70°	265.9	12.9
70°-80°	147.6	7.2
80°-90°	36.6	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°	541.4	26.3
0°-40°	894.2	43.4
0°-60°	1612.0	78.2
0°-90°	2062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	687	687	687	687	687	
5°	693	684	686	684	686	66
15°	671	663	668	666	665	190
25°	630	622	628	622	622	290
35°	568	562	567	561	564	355
45°	486	481	487	482	482	375
55°	385	382	387	386	388	344
65°	267	264	274	273	268	263
75°	132	140	141	141	136	141
85°	21	31	32	32	30	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	687.4	687.4	687.4	687.4	687.4
2.5°	694.6	685.7	687.4	686.3	684.3
5°	692.9	683.9	686.0	684.3	685.7
7.5°	690.1	680.5	683.9	681.5	682.9
10°	684.6	676.4	679.8	677.1	678.1
12.5°	678.8	670.2	675.0	671.6	673.0
15°	671.2	663.4	668.2	665.8	665.1
17.5°	663.0	655.5	660.3	657.5	656.5
20°	653.1	645.8	650.3	646.2	645.2
22.5°	642.1	634.9	640.0	634.2	634.5
25°	630.1	622.5	627.7	622.2	621.8
27.5°	616.3	609.1	614.6	608.8	609.5
30°	601.2	594.0	599.5	593.7	594.4
32.5°	584.8	578.9	583.7	578.2	582.0
35°	567.9	561.8	566.9	560.7	563.8
37.5°	549.8	543.9	549.4	542.6	545.3
40°	530.2	525.1	529.9	523.7	526.1
42.5°	507.6	504.5	509.3	503.1	505.1
45°	485.6	481.1	487.0	481.8	482.5
47.5°	463.6	458.8	464.3	459.9	459.5
50°	437.2	435.5	440.6	437.2	436.9
52.5°	412.1	408.7	414.2	412.5	413.5
55°	385.4	382.3	386.8	386.4	388.5
57.5°	357.6	354.5	360.3	359.6	361.4
60°	328.1	325.7	333.2	331.5	332.9
62.5°	299.2	294.8	304.4	303.0	302.3
65°	267.0	264.2	274.5	272.8	267.7
67.5°	233.7	232.7	243.3	239.9	231.3
70°	200.4	201.1	211.4	204.9	197.7
72.5°	165.4	170.6	176.7	171.9	166.8
75°	132.5	140.4	141.4	141.0	135.9
77.5°	100.2	110.2	107.8	110.2	106.0
80°	70.0	81.0	79.3	81.3	77.9
82.5°	43.2	53.2	53.5	54.9	51.8
85°	20.9	30.9	31.6	31.9	29.5
87.5°	4.5	14.4	14.8	13.7	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)