

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: P1213740

Luminaire Tested: 4SNLED-LD5-28SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213740
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-LD5-28SL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

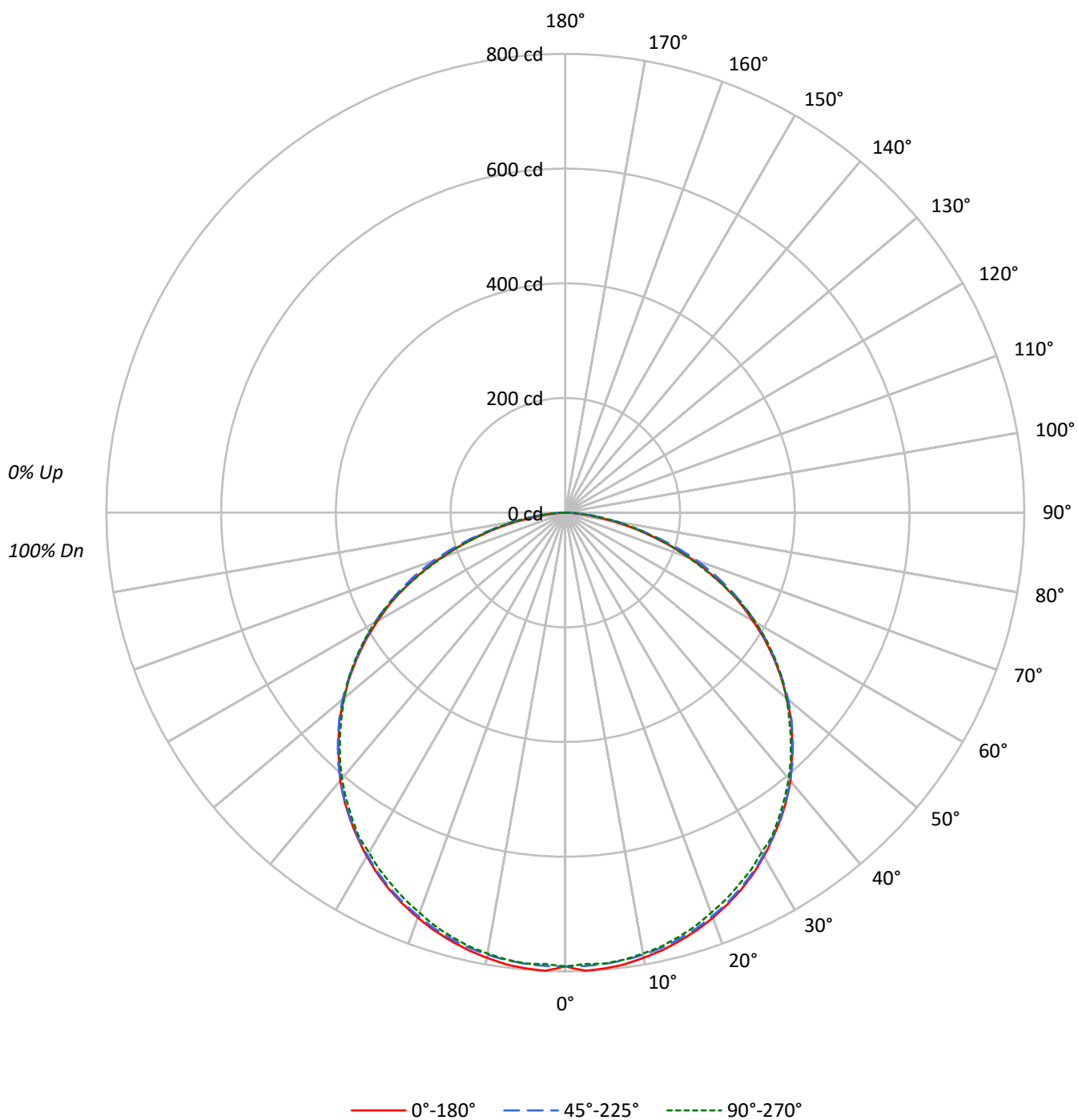
Lumens per Lamp: N/A
Luminaire Lumens: 2374.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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
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°	6395	6395	6395
5°	6453	6250	6200
10°	6432	6113	6008
15°	6412	5976	5820
20°	6393	5829	5620
25°	6375	5681	5432
30°	6345	5523	5248
35°	6313	5360	5071
40°	6275	5184	4859
45°	6196	4976	4616
50°	6101	4750	4369
55°	5984	4447	4102
60°	5791	4139	3753
65°	5509	3739	3265
70°	5020	3213	2647
75°	4264	2452	2035
80°	3186	1615	1334
85°	1646	785	596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6196 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	3.2
10°-20°	216.6	9.1
20°-30°	331.6	14.0
30°-40°	406.2	17.1
40°-50°	429.7	18.1
50°-60°	396.6	16.7
60°-70°	306.1	12.9
70°-80°	169.9	7.2
80°-90°	42.1	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°	623.3	26.3
0°-40°	1029.5	43.4
0°-60°	1855.8	78.2
0°-90°	2374.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2374.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	798	787	790	788	789	76
15°	773	764	769	766	766	218
25°	725	717	723	716	716	334
35°	654	647	653	646	649	409
45°	559	554	561	555	556	431
55°	444	440	445	445	447	396
65°	307	304	316	314	308	303
75°	152	162	163	162	156	162
85°	24	36	36	37	34	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	791.4	791.4	791.4	791.4	791.4
2.5°	799.7	789.4	791.4	790.2	787.8
5°	797.7	787.4	789.8	787.8	789.4
7.5°	794.5	783.5	787.4	784.7	786.2
10°	788.2	778.7	782.7	779.5	780.7
12.5°	781.5	771.6	777.2	773.2	774.8
15°	772.8	763.7	769.3	766.5	765.7
17.5°	763.3	754.6	760.2	757.0	755.8
20°	751.9	743.6	748.7	744.0	742.8
22.5°	739.2	730.9	736.9	730.1	730.5
25°	725.4	716.7	722.6	716.3	715.9
27.5°	709.6	701.3	707.6	700.9	701.7
30°	692.2	683.9	690.2	683.5	684.3
32.5°	673.2	666.5	672.1	665.7	670.1
35°	653.9	646.8	652.7	645.6	649.1
37.5°	632.9	626.2	632.5	624.6	627.8
40°	610.4	604.5	610.0	602.9	605.7
42.5°	584.3	580.8	586.3	579.2	581.6
45°	559.1	553.9	560.6	554.7	555.5
47.5°	533.8	528.2	534.6	529.4	529.0
50°	503.4	501.4	507.3	503.4	503.0
52.5°	474.5	470.6	476.9	474.9	476.1
55°	443.7	440.1	445.3	444.9	447.2
57.5°	411.7	408.1	414.9	414.1	416.0
60°	377.7	374.9	383.6	381.7	383.2
62.5°	344.5	339.4	350.5	348.9	348.1
65°	307.4	304.2	316.1	314.1	308.2
67.5°	269.1	267.9	280.1	276.2	266.3
70°	230.7	231.5	243.4	235.9	227.6
72.5°	190.4	196.4	203.5	197.9	192.0
75°	152.5	161.6	162.8	162.4	156.5
77.5°	115.4	126.8	124.1	126.8	122.1
80°	80.6	93.2	91.3	93.6	89.7
82.5°	49.8	61.2	61.6	63.2	59.7
85°	24.1	35.6	36.3	36.7	34.0
87.5°	5.1	16.6	17.0	15.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)