

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: P1212989

Luminaire Tested: 2SNLED-LD5-28SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1212989
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-LD5-28SL-UNV-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

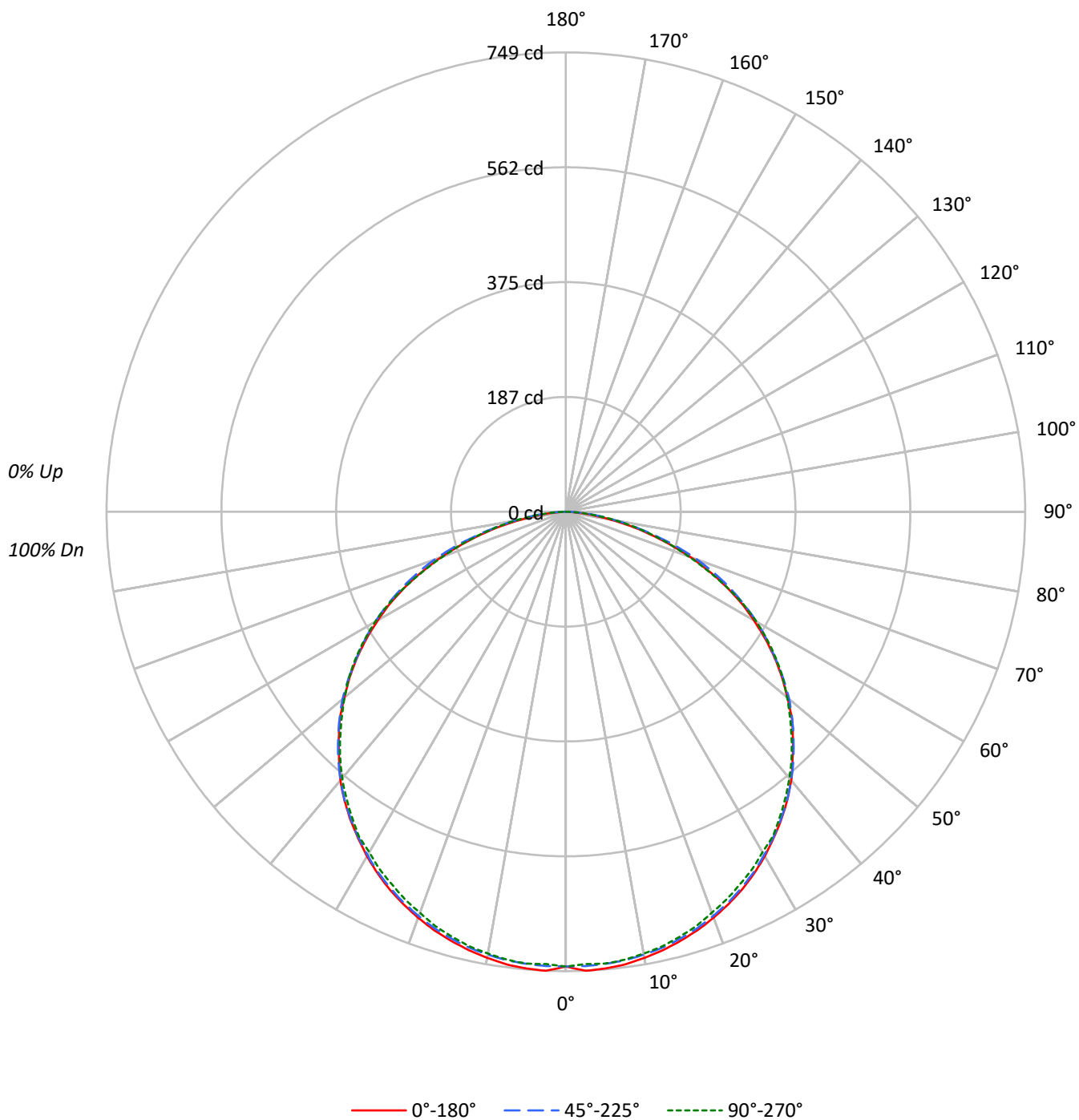
Lumens per Lamp: N/A
Luminaire Lumens: 2224.0 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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°	11983	11983	11983
5°	12058	11687	11616
10°	11986	11410	11258
15°	11915	11134	10905
20°	11846	10842	10529
25°	11776	10550	10179
30°	11681	10237	9833
35°	11580	9915	9501
40°	11465	9571	9104
45°	11266	9166	8648
50°	11033	8730	8186
55°	10754	8149	7686
60°	10319	7562	7032
65°	9712	6805	6117
70°	8719	5822	4960
75°	7236	4418	3813
80°	5188	2887	2499
85°	2445	1393	1115

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11266 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.2
10°-20°	202.9	9.1
20°-30°	310.6	14.0
30°-40°	380.6	17.1
40°-50°	402.5	18.1
50°-60°	371.6	16.7
60°-70°	286.8	12.9
70°-80°	159.2	7.2
80°-90°	39.4	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°	583.9	26.3
0°-40°	964.5	43.4
0°-60°	1738.6	78.2
0°-90°	2224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	747	738	740	738	740	71
15°	724	716	721	718	717	204
25°	680	671	677	671	671	313
35°	613	606	612	605	608	383
45°	524	519	525	520	520	404
55°	416	412	417	417	419	371
65°	288	285	296	294	289	284
75°	143	151	152	152	147	152
85°	23	33	34	34	32	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.4	741.4	741.4	741.4	741.4
2.5°	749.1	739.5	741.4	740.3	738.0
5°	747.3	737.7	739.9	738.0	739.5
7.5°	744.3	734.0	737.7	735.1	736.6
10°	738.4	729.5	733.2	730.3	731.4
12.5°	732.1	722.9	728.1	724.3	725.8
15°	724.0	715.5	720.6	718.1	717.3
17.5°	715.1	707.0	712.1	709.2	708.1
20°	704.4	696.6	701.4	697.0	695.8
22.5°	692.5	684.7	690.3	684.0	684.4
25°	679.6	671.4	677.0	671.1	670.7
27.5°	664.8	657.0	662.9	656.6	657.4
30°	648.5	640.7	646.6	640.3	641.1
32.5°	630.7	624.4	629.6	623.7	627.7
35°	612.6	605.9	611.5	604.8	608.1
37.5°	593.0	586.7	592.6	585.2	588.1
40°	571.9	566.3	571.5	564.8	567.4
42.5°	547.4	544.1	549.3	542.6	544.8
45°	523.7	518.9	525.2	519.7	520.4
47.5°	500.0	494.9	500.8	496.0	495.6
50°	471.5	469.7	475.3	471.5	471.2
52.5°	444.5	440.8	446.8	444.9	446.0
55°	415.7	412.3	417.1	416.8	419.0
57.5°	385.7	382.3	388.6	387.9	389.7
60°	353.8	351.3	359.4	357.5	359.0
62.5°	322.8	317.9	328.3	326.8	326.1
65°	288.0	285.0	296.1	294.3	288.7
67.5°	252.1	251.0	262.4	258.7	249.5
70°	216.2	216.9	228.0	221.0	213.2
72.5°	178.4	184.0	190.6	185.4	179.9
75°	142.9	151.4	152.5	152.1	146.6
77.5°	108.1	118.8	116.2	118.8	114.4
80°	75.5	87.4	85.5	87.7	84.0
82.5°	46.6	57.4	57.7	59.2	55.9
85°	22.6	33.3	34.1	34.4	31.8
87.5°	4.8	15.5	15.9	14.8	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)