

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: P1213340

Luminaire Tested: 2SNLED-LD5-28SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213340
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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

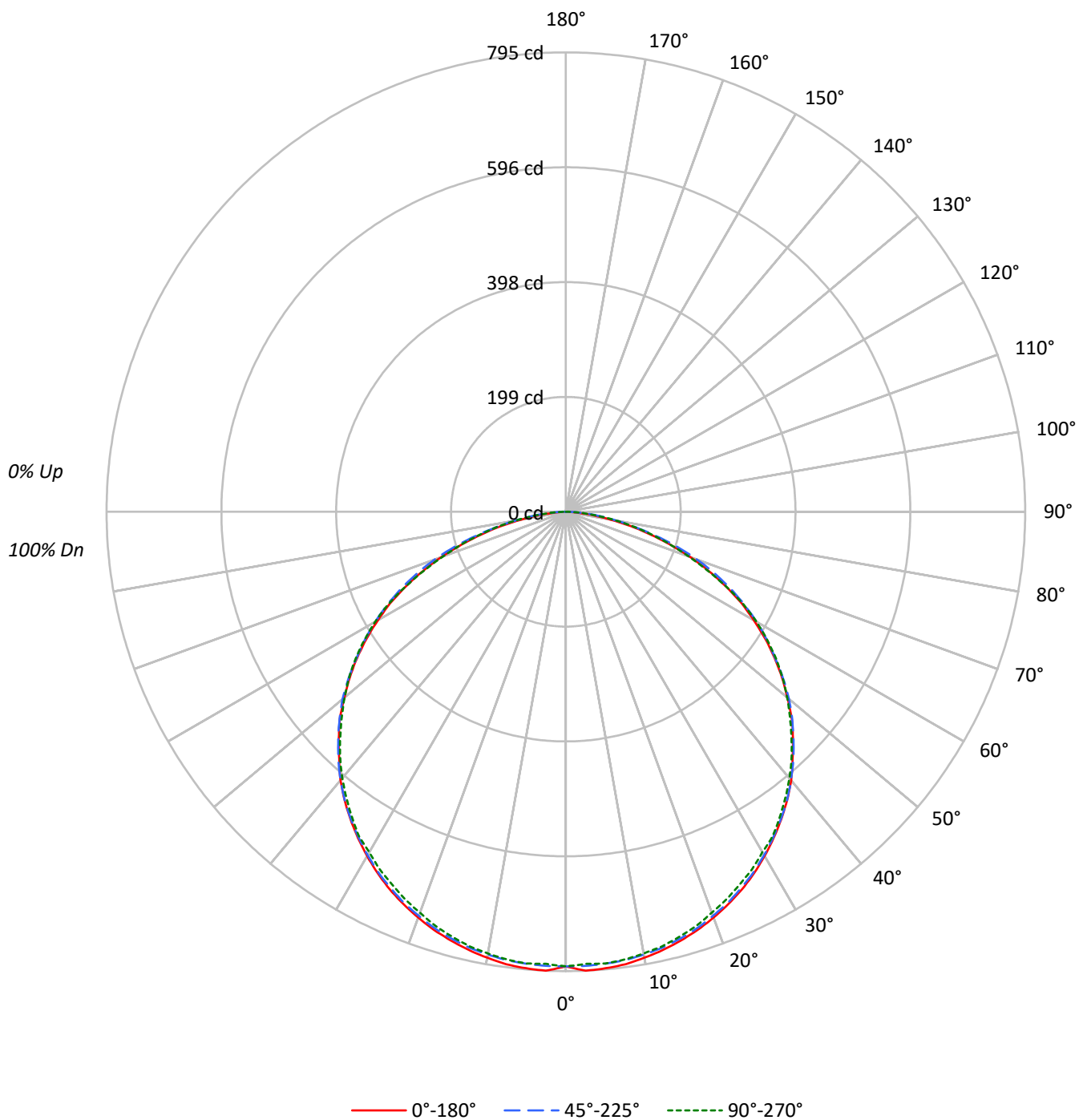
Lumens per Lamp: N/A
Luminaire Lumens: 2360.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	12715	12715	12715
5°	12795	12401	12326
10°	12720	12109	11946
15°	12644	11815	11573
20°	12569	11505	11173
25°	12495	11195	10801
30°	12394	10864	10435
35°	12287	10522	10082
40°	12164	10155	9660
45°	11956	9726	9177
50°	11710	9262	8686
55°	11411	8648	8156
60°	10952	8025	7463
65°	10306	7221	6492
70°	9252	6177	5262
75°	7676	4687	4044
80°	5504	3063	2653
85°	2596	1475	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11956 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	3.2
10°-20°	215.3	9.1
20°-30°	329.6	14.0
30°-40°	403.9	17.1
40°-50°	427.2	18.1
50°-60°	394.3	16.7
60°-70°	304.3	12.9
70°-80°	168.9	7.2
80°-90°	41.8	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°	619.6	26.3
0°-40°	1023.5	43.4
0°-60°	1844.9	78.2
0°-90°	2360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	793	783	785	783	785	75
15°	768	759	765	762	761	217
25°	721	712	718	712	712	332
35°	650	643	649	642	645	407
45°	556	551	557	551	552	429
55°	441	438	443	442	445	394
65°	306	302	314	312	306	301
75°	152	161	162	161	156	161
85°	24	35	36	36	34	32
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	786.7	786.7	786.7	786.7	786.7
2.5°	795.0	784.7	786.7	785.5	783.2
5°	793.0	782.8	785.1	783.2	784.7
7.5°	789.9	778.9	782.8	780.0	781.6
10°	783.6	774.1	778.1	774.9	776.1
12.5°	776.9	767.1	772.6	768.6	770.2
15°	768.3	759.2	764.7	762.0	761.2
17.5°	758.8	750.2	755.7	752.5	751.4
20°	747.4	739.2	744.3	739.6	738.4
22.5°	734.9	726.6	732.5	725.8	726.2
25°	721.1	712.5	718.4	712.1	711.7
27.5°	705.4	697.2	703.4	696.8	697.6
30°	688.1	679.9	686.2	679.5	680.3
32.5°	669.3	662.6	668.1	661.8	666.1
35°	650.0	643.0	648.9	641.8	645.3
37.5°	629.2	622.5	628.8	621.0	624.1
40°	606.8	600.9	606.4	599.4	602.1
42.5°	580.9	577.4	582.9	575.8	578.2
45°	555.8	550.7	557.3	551.4	552.2
47.5°	530.6	525.1	531.4	526.3	525.9
50°	500.4	498.4	504.3	500.4	500.0
52.5°	471.7	467.8	474.1	472.1	473.3
55°	441.1	437.5	442.6	442.3	444.6
57.5°	409.3	405.7	412.4	411.6	413.6
60°	375.5	372.7	381.4	379.4	381.0
62.5°	342.5	337.4	348.4	346.8	346.0
65°	305.6	302.4	314.2	312.2	306.4
67.5°	267.5	266.3	278.5	274.5	264.7
70°	229.4	230.2	241.9	234.5	226.2
72.5°	189.3	195.2	202.3	196.8	190.9
75°	151.6	160.6	161.8	161.4	155.5
77.5°	114.7	126.1	123.3	126.1	121.4
80°	80.1	92.7	90.7	93.1	89.2
82.5°	49.5	60.9	61.3	62.8	59.3
85°	24.0	35.3	36.1	36.5	33.8
87.5°	5.1	16.5	16.9	15.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)