

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: P1214091

Luminaire Tested: 4SNLED-LD5-28SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214091
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-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

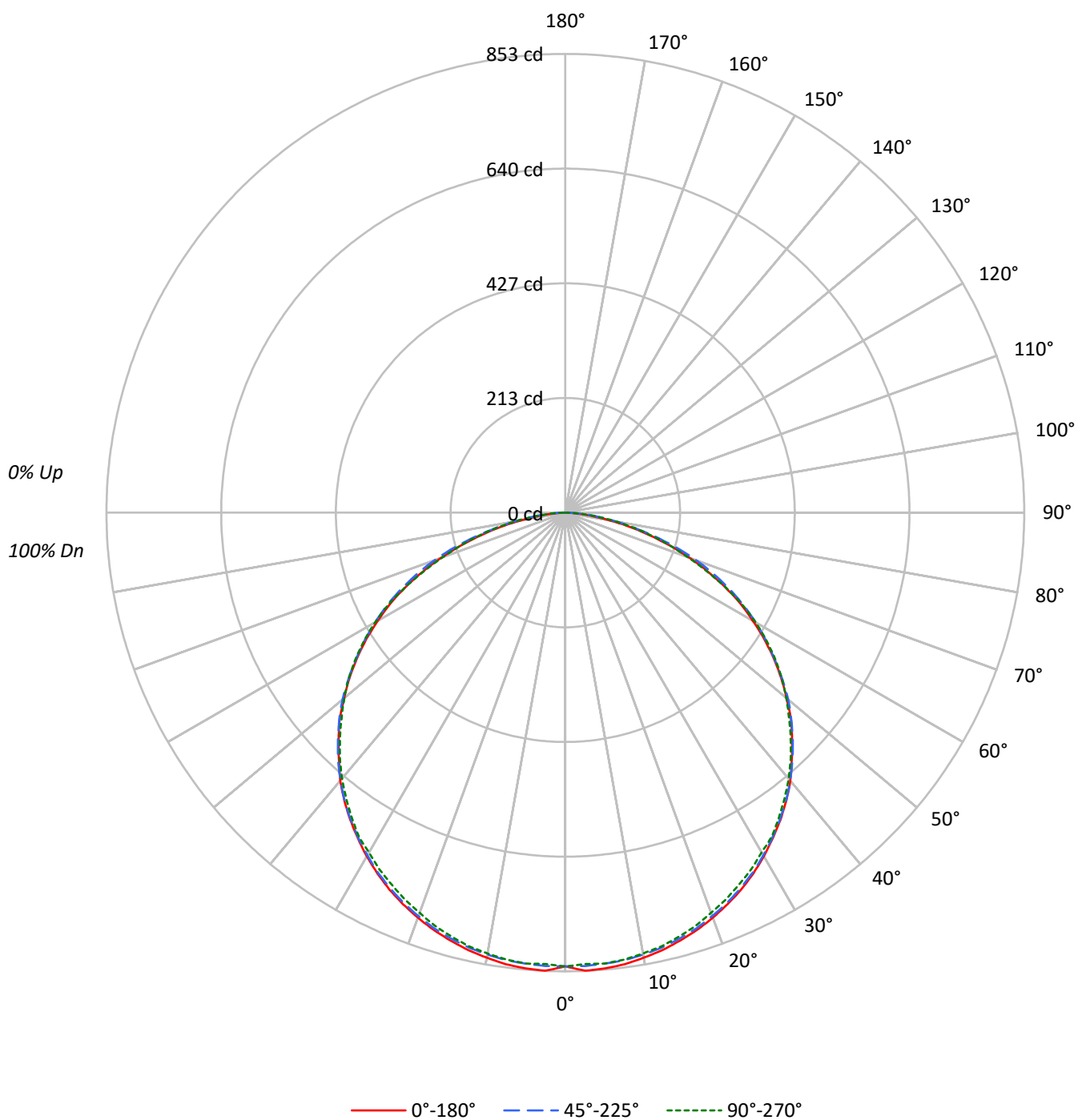
Lumens per Lamp: N/A
Luminaire Lumens: 2531.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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°	6818	6818	6818
5°	6880	6663	6610
10°	6857	6516	6406
15°	6836	6370	6205
20°	6816	6214	5991
25°	6797	6057	5792
30°	6764	5889	5595
35°	6730	5715	5407
40°	6690	5527	5180
45°	6605	5305	4921
50°	6504	5065	4657
55°	6379	4741	4373
60°	6174	4413	4002
65°	5873	3986	3481
70°	5353	3425	2822
75°	4547	2613	2169
80°	3396	1721	1422
85°	1756	839	634

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	3.2
10°-20°	230.9	9.1
20°-30°	353.5	14.0
30°-40°	433.1	17.1
40°-50°	458.1	18.1
50°-60°	422.8	16.7
60°-70°	326.4	12.9
70°-80°	181.1	7.2
80°-90°	44.9	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°	664.5	26.3
0°-40°	1097.6	43.4
0°-60°	1978.6	78.2
0°-90°	2531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	850	840	842	840	842	81
15°	824	814	820	817	816	233
25°	773	764	770	764	763	356
35°	697	690	696	688	692	436
45°	596	591	598	591	592	460
55°	473	469	475	474	477	422
65°	328	324	337	335	329	323
75°	163	172	174	173	167	172
85°	26	38	39	39	36	35
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	843.7	843.7	843.7	843.7	843.7
2.5°	852.6	841.6	843.7	842.5	839.9
5°	850.5	839.5	842.0	839.9	841.6
7.5°	847.1	835.3	839.5	836.6	838.2
10°	840.3	830.2	834.4	831.1	832.3
12.5°	833.2	822.7	828.6	824.3	826.0
15°	823.9	814.2	820.1	817.2	816.3
17.5°	813.8	804.5	810.4	807.1	805.8
20°	801.6	792.7	798.2	793.2	791.9
22.5°	788.1	779.3	785.6	778.4	778.8
25°	773.4	764.1	770.4	763.7	763.3
27.5°	756.5	747.7	754.4	747.3	748.1
30°	738.0	729.1	735.9	728.7	729.6
32.5°	717.8	710.6	716.5	709.8	714.4
35°	697.1	689.5	695.9	688.3	692.1
37.5°	674.8	667.6	674.4	666.0	669.3
40°	650.8	644.5	650.4	642.8	645.7
42.5°	623.0	619.2	625.1	617.5	620.0
45°	596.0	590.6	597.7	591.4	592.2
47.5°	569.1	563.2	569.9	564.4	564.0
50°	536.6	534.5	540.9	536.6	536.2
52.5°	505.9	501.7	508.4	506.3	507.6
55°	473.0	469.2	474.7	474.3	476.8
57.5°	438.9	435.1	442.3	441.4	443.6
60°	402.7	399.7	409.0	406.9	408.6
62.5°	367.3	361.8	373.6	371.9	371.1
65°	327.7	324.3	337.0	334.9	328.6
67.5°	286.9	285.6	298.6	294.4	283.9
70°	246.0	246.8	259.5	251.5	242.6
72.5°	203.0	209.3	216.9	211.0	204.7
75°	162.6	172.3	173.5	173.1	166.8
77.5°	123.0	135.2	132.3	135.2	130.2
80°	85.9	99.4	97.3	99.8	95.6
82.5°	53.1	65.3	65.7	67.4	63.6
85°	25.7	37.9	38.8	39.2	36.2
87.5°	5.5	17.7	18.1	16.8	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)