

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: P1213056

Luminaire Tested: 4SNLED-LD5-36SL-UNV-L930-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213056
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-LD5-36SL-UNV-L930-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

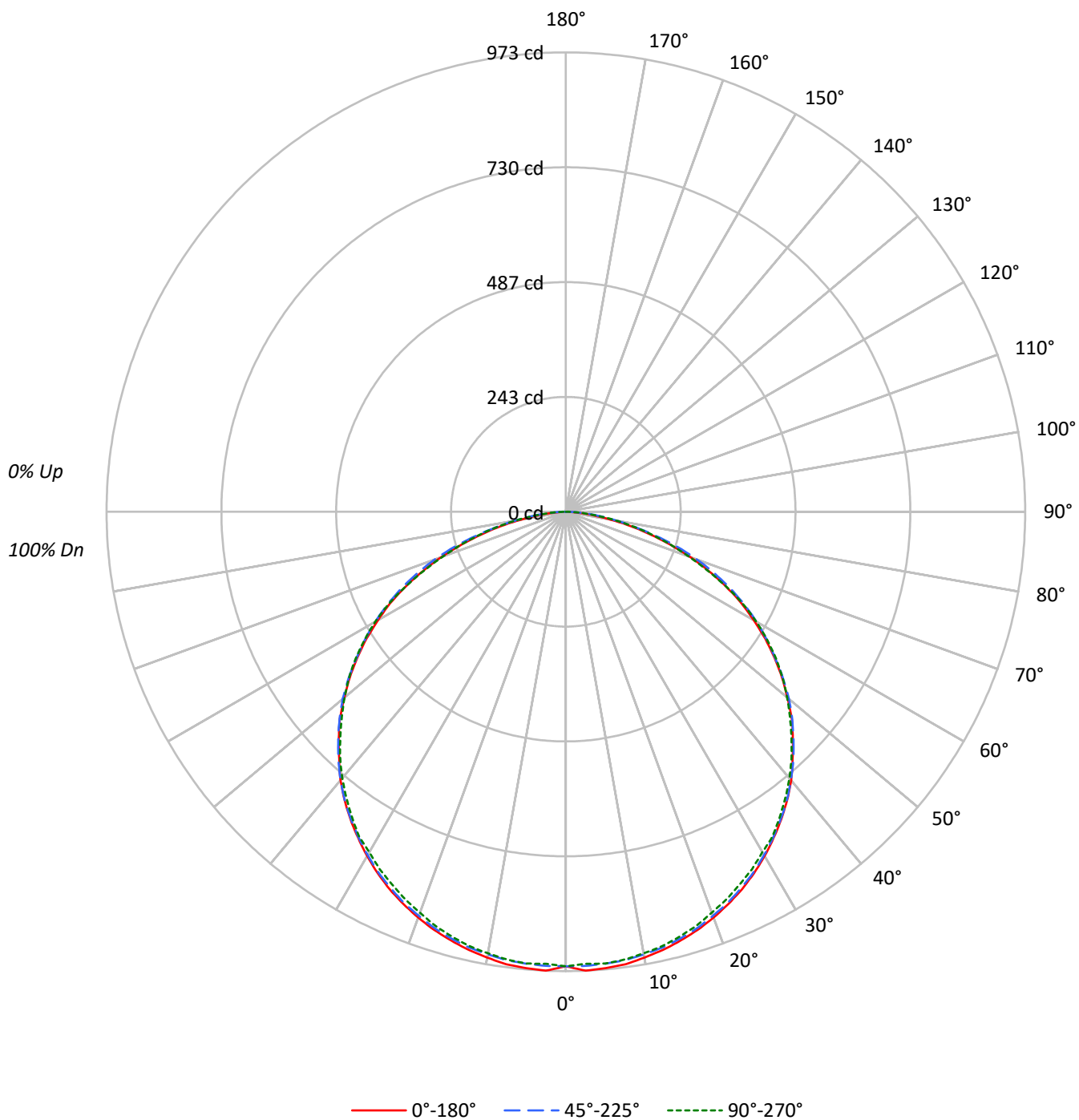
Lumens per Lamp: N/A
Luminaire Lumens: 2888.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	7780	7780	7780
5°	7850	7603	7542
10°	7825	7436	7309
15°	7800	7269	7081
20°	7778	7091	6837
25°	7756	6912	6609
30°	7719	6720	6385
35°	7680	6520	6169
40°	7634	6307	5911
45°	7537	6054	5615
50°	7421	5778	5315
55°	7280	5410	4990
60°	7045	5035	4566
65°	6700	4548	3972
70°	6108	3908	3220
75°	5187	2982	2475
80°	3878	1964	1623
85°	2002	956	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7537 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	3.2
10°-20°	263.5	9.1
20°-30°	403.4	14.0
30°-40°	494.2	17.1
40°-50°	522.7	18.1
50°-60°	482.5	16.7
60°-70°	372.4	12.9
70°-80°	206.7	7.2
80°-90°	51.2	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°	758.2	26.3
0°-40°	1252.5	43.4
0°-60°	2257.7	78.2
0°-90°	2888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	963	963	963	963	963	
5°	970	958	961	958	960	92
15°	940	929	936	932	932	266
25°	882	872	879	871	871	407
35°	796	787	794	785	790	498
45°	680	674	682	675	676	525
55°	540	535	542	541	544	482
65°	374	370	384	382	375	369
75°	186	197	198	198	190	197
85°	29	43	44	45	41	39
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	962.7	962.7	962.7	962.7	962.7
2.5°	972.8	960.3	962.7	961.3	958.4
5°	970.4	957.9	960.8	958.4	960.3
7.5°	966.6	953.1	957.9	954.6	956.5
10°	958.9	947.3	952.1	948.3	949.7
12.5°	950.7	938.7	945.4	940.6	942.5
15°	940.1	929.1	935.8	932.4	931.5
17.5°	928.6	918.0	924.8	920.9	919.5
20°	914.7	904.6	910.8	905.0	903.6
22.5°	899.3	889.2	896.4	888.2	888.7
25°	882.5	871.9	879.1	871.4	870.9
27.5°	863.2	853.1	860.8	852.7	853.6
30°	842.1	832.0	839.7	831.5	832.5
32.5°	819.0	810.8	817.6	809.9	815.2
35°	795.5	786.8	794.0	785.4	789.7
37.5°	770.0	761.8	769.5	759.9	763.7
40°	742.6	735.4	742.1	733.5	736.8
42.5°	710.9	706.5	713.3	704.6	707.5
45°	680.1	673.9	682.0	674.8	675.8
47.5°	649.3	642.6	650.3	644.1	643.6
50°	612.3	609.9	617.1	612.3	611.9
52.5°	577.2	572.4	580.1	577.7	579.2
55°	539.8	535.4	541.7	541.2	544.1
57.5°	500.8	496.5	504.7	503.7	506.1
60°	459.5	456.1	466.7	464.3	466.2
62.5°	419.1	412.9	426.3	424.4	423.4
65°	373.9	370.1	384.5	382.1	374.9
67.5°	327.3	325.9	340.8	336.0	324.0
70°	280.7	281.7	296.1	286.9	276.8
72.5°	231.7	238.9	247.5	240.8	233.6
75°	185.5	196.6	198.0	197.5	190.3
77.5°	140.3	154.3	150.9	154.3	148.5
80°	98.1	113.4	111.0	113.9	109.1
82.5°	60.6	74.5	75.0	76.9	72.6
85°	29.3	43.3	44.2	44.7	41.3
87.5°	6.2	20.2	20.7	19.2	16.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)