

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: P1213758

Luminaire Tested: 4SNLED-LD5-36SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213758
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-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

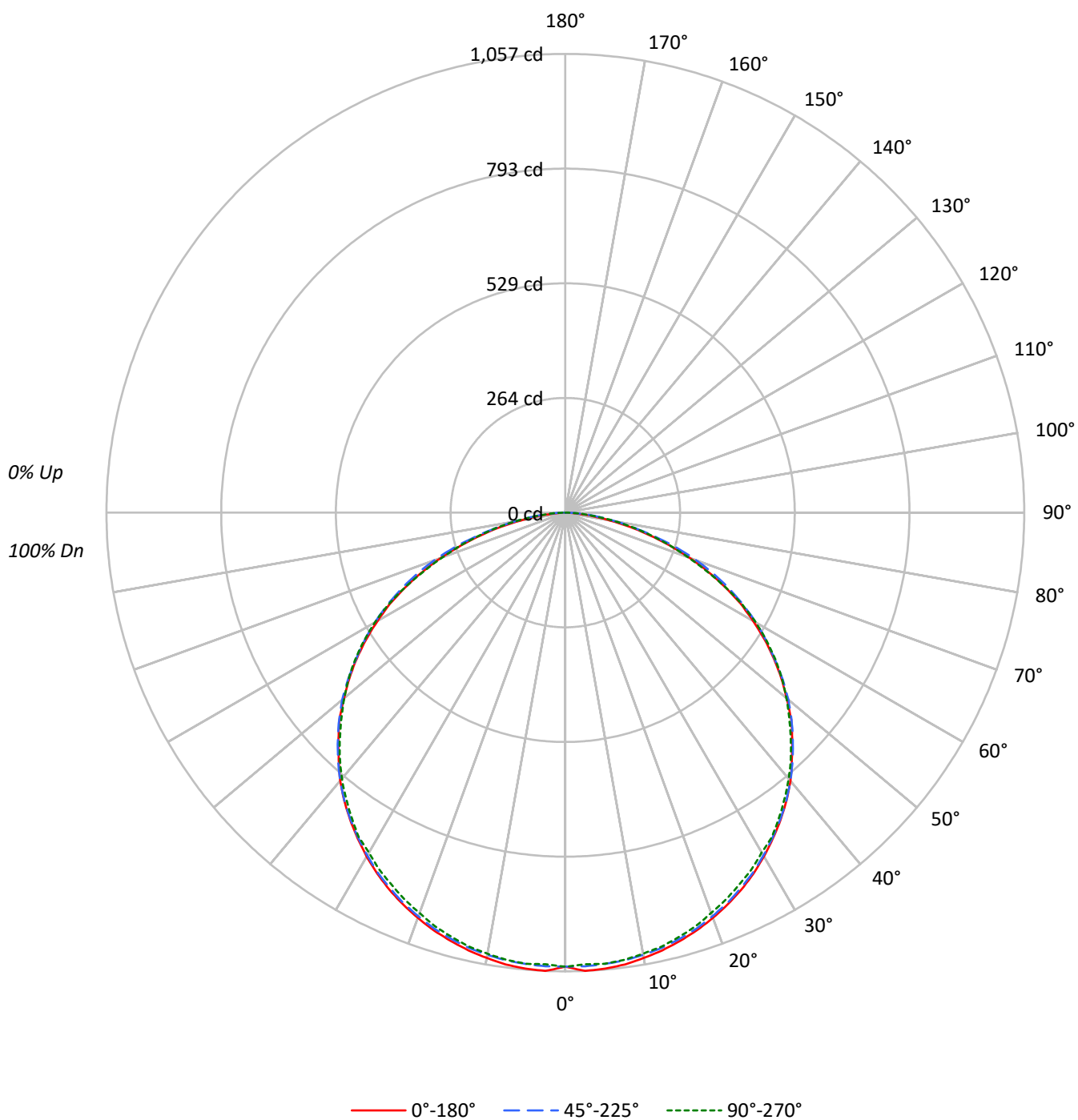
Lumens per Lamp: N/A
Luminaire Lumens: 3138.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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
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°	8454	8454	8454
5°	8530	8261	8195
10°	8503	8080	7943
15°	8475	7898	7693
20°	8450	7705	7428
25°	8426	7510	7181
30°	8387	7302	6937
35°	8344	7085	6703
40°	8295	6852	6423
45°	8190	6578	6101
50°	8064	6279	5775
55°	7910	5879	5422
60°	7655	5471	4962
65°	7281	4942	4316
70°	6637	4246	3499
75°	5637	3241	2689
80°	4210	2133	1762
85°	2179	1038	787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8190 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.3	3.2
10°-20°	286.3	9.1
20°-30°	438.3	14.0
30°-40°	537.0	17.1
40°-50°	568.0	18.1
50°-60°	524.3	16.7
60°-70°	404.7	12.9
70°-80°	224.6	7.2
80°-90°	55.6	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°	823.9	26.3
0°-40°	1360.9	43.4
0°-60°	2453.1	78.2
0°-90°	3138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1046	1046	1046	1046	1046	
5°	1054	1041	1044	1041	1043	100
15°	1022	1010	1017	1013	1012	289
25°	959	947	955	947	946	442
35°	864	855	863	853	858	541
45°	739	732	741	733	734	570
55°	586	582	589	588	591	523
65°	406	402	418	415	407	401
75°	202	214	215	215	207	214
85°	32	47	48	49	45	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1046.1	1046.1	1046.1	1046.1	1046.1
2.5°	1057.0	1043.4	1046.1	1044.5	1041.4
5°	1054.4	1040.8	1044.0	1041.4	1043.4
7.5°	1050.2	1035.6	1040.8	1037.2	1039.3
10°	1041.9	1029.3	1034.6	1030.4	1032.0
12.5°	1033.0	1019.9	1027.3	1022.0	1024.1
15°	1021.5	1009.5	1016.8	1013.2	1012.1
17.5°	1009.0	997.5	1004.8	1000.6	999.1
20°	993.8	982.9	989.7	983.4	981.8
22.5°	977.1	966.2	974.0	965.1	965.6
25°	958.8	947.4	955.2	946.8	946.3
27.5°	938.0	927.0	935.3	926.5	927.5
30°	915.0	904.0	912.4	903.5	904.5
32.5°	889.9	881.0	888.3	880.0	885.7
35°	864.3	854.9	862.8	853.4	858.1
37.5°	836.6	827.8	836.1	825.7	829.8
40°	806.9	799.0	806.3	796.9	800.6
42.5°	772.4	767.7	775.0	765.6	768.7
45°	739.0	732.2	741.1	733.2	734.3
47.5°	705.6	698.2	706.6	699.8	699.3
50°	665.3	662.7	670.6	665.3	664.8
52.5°	627.2	622.0	630.4	627.7	629.3
55°	586.5	581.8	588.6	588.0	591.2
57.5°	544.2	539.5	548.4	547.3	549.9
60°	499.3	495.6	507.1	504.5	506.6
62.5°	455.4	448.6	463.2	461.1	460.1
65°	406.3	402.1	417.8	415.2	407.4
67.5°	355.6	354.1	370.3	365.1	352.0
70°	305.0	306.0	321.7	311.8	300.8
72.5°	251.7	259.6	269.0	261.6	253.8
75°	201.6	213.6	215.2	214.6	206.8
77.5°	152.5	167.6	164.0	167.6	161.4
80°	106.5	123.3	120.6	123.8	118.5
82.5°	65.8	80.9	81.5	83.6	78.9
85°	31.9	47.0	48.0	48.6	44.9
87.5°	6.8	21.9	22.5	20.9	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)