Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1213407

Luminaire Tested: 4SNLED-LD5-36SL-UNV-L935-CD1-U

Issue Date: 3/29/2018

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1213407
	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-L935-CD1-U
Description:	4FT LINEAR SNLED LED FIXTURE
	OPEN LED STIP
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3065.0 lumens
Efficiency:	N/A
Efficacy:	122.6 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

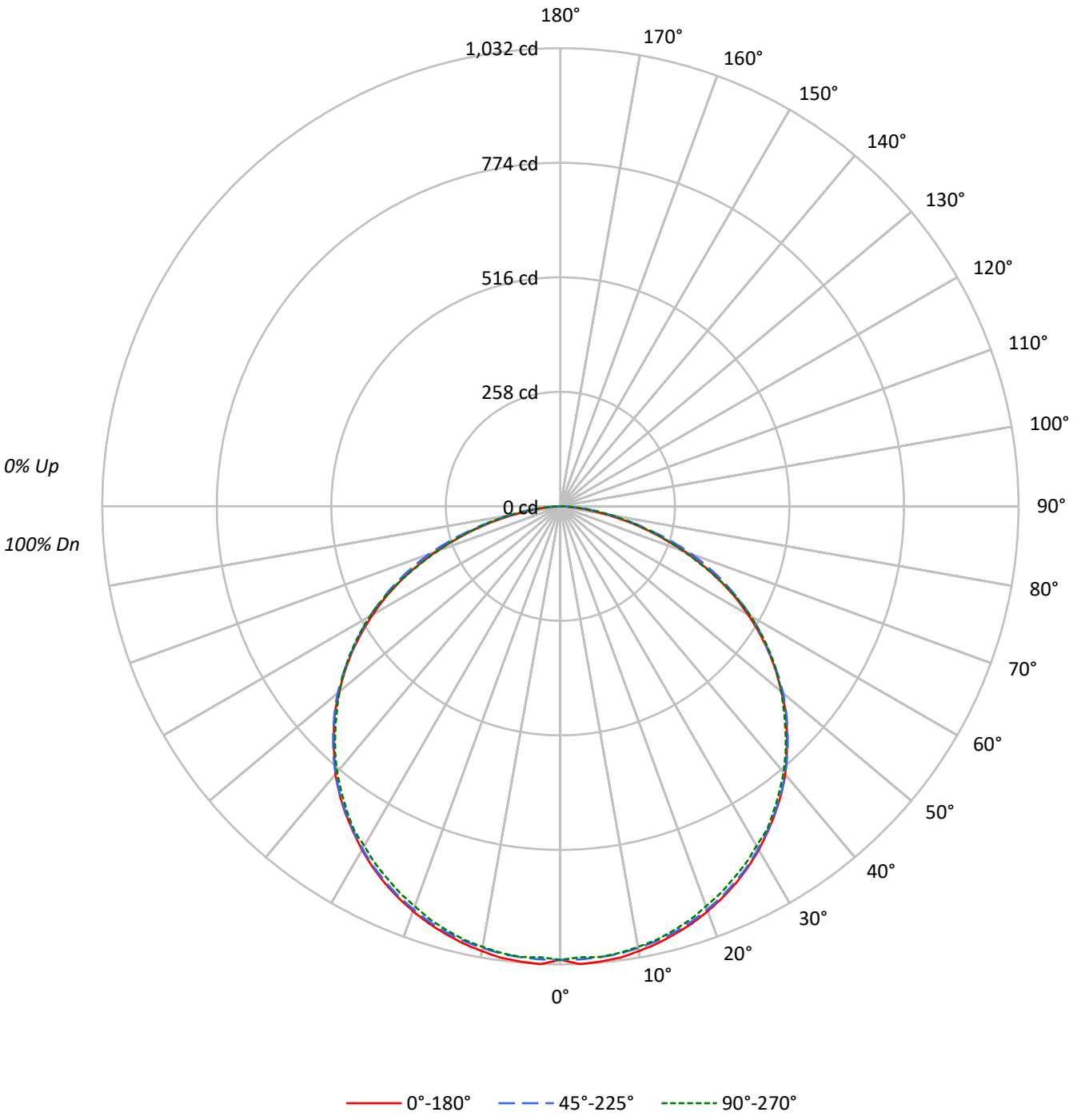
Input Watts (W):	25
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1213407
CATALOG NUMBER: 4SNLED-LD5-36SL-UNV-L935-CD1-U

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1213407
CATALOG NUMBER: 4SNLED-LD5-36SL-UNV-L935-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	8256	8256	8256
5°	8332	8069	8005
10°	8304	7892	7758
15°	8278	7715	7515
20°	8254	7525	7256
25°	8230	7335	7014
30°	8191	7131	6776
35°	8150	6920	6547
40°	8101	6694	6273
45°	7999	6425	5959
50°	7877	6133	5641
55°	7725	5742	5296
60°	7477	5344	4846
65°	7113	4827	4215
70°	6482	4147	3417
75°	5506	3166	2627
80°	4115	2084	1722
85°	2125	1014	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7999 cd/sqm

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1213407
CATALOG NUMBER: 4SNLED-LD5-36SL-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.0	3.2
10°-20°	279.7	9.1
20°-30°	428.1	14.0
30°-40°	524.5	17.1
40°-50°	554.8	18.1
50°-60°	512.1	16.7
60°-70°	395.2	12.9
70°-80°	219.4	7.2
80°-90°	54.3	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°	804.7	26.3
0°-40°	1329.2	43.4
0°-60°	2396.0	78.2
0°-90°	3065.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3065.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1030	1017	1020	1017	1019	98
15°	998	986	993	990	989	282
25°	936	925	933	925	924	432
35°	844	835	843	834	838	528
45°	722	715	724	716	717	557
55°	573	568	575	574	577	511
65°	397	393	408	406	398	391
75°	197	209	210	210	202	209
85°	31	46	47	47	44	42
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

TEST NUMBER: P1213407
CATALOG NUMBER: 4SNLED-LD5-36SL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1021.7*	1021.7	1021.7	1021.7	1021.7
2.5°	*1032.4*	*1019.2*	*1021.7*	*1020.2*	*1017.1*
5°	*1029.9*	1016.6	1019.7	1017.1	1019.2
7.5°	*1025.8*	1011.5	1016.6	1013.1	1015.1
10°	*1017.6*	1005.4	1010.5	1006.4	1008.0
12.5°	*1009.0*	996.2	1003.4	998.3	1000.3
15°	*997.8*	986.0	993.2	989.6	988.6
17.5°	*985.5*	974.3	981.4	977.3	975.8
20°	*970.7*	960.0	966.6	960.5	959.0
22.5°	*954.4*	943.7	951.3	942.7	943.2
25°	*936.5*	925.3	933.0	924.8	924.3
27.5°	*916.1*	905.4	913.6	904.9	905.9
30°	*893.7*	883.0	891.1	882.5	883.5
32.5°	*869.2*	860.5	867.7	859.5	865.1
35°	*844.2*	835.0	842.7	833.5	838.1
37.5°	*817.2*	808.5	816.7	806.5	810.5
40°	*788.1*	780.4	787.6	778.4	782.0
42.5°	*754.4*	749.8	757.0	747.8	750.9
45°	*721.8*	715.2	723.8	716.2	717.2
47.5°	*689.1*	682.0	690.2	683.5	683.0
50°	*649.9*	647.3	655.0	649.9	649.4
52.5°	*612.6*	607.5	615.7	613.1	614.7
55°	*572.8*	568.2	574.9	574.4	577.4
57.5°	*531.5*	526.9	535.6	534.6	537.1
60°	*487.7*	484.1	495.3	492.8	494.8
62.5°	*444.8*	438.2	452.5	450.4	449.4
65°	*396.9*	392.8	408.1	405.5	397.9
67.5°	*347.4*	345.8	361.7	356.6	343.8
70°	*297.9*	298.9	314.2	304.5	293.8
72.5°	*245.9*	253.5	262.7	255.6	247.9
75°	*196.9*	208.6	210.2	209.7	202.0
77.5°	*148.9*	163.7	160.2	163.7	157.6
80°	*104.1*	120.4	117.8	120.9	115.8
82.5°	*64.3*	79.1	79.6	81.6	77.0
85°	*31.1*	45.9	46.9	47.4	43.9
87.5°	*6.6*	21.4	21.9	20.4	17.9
90°	*0.0*	0.0	0.0	0.0	0.0

(END OF REPORT)