

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: IRiS

Report Number: P106558

Luminaire Tested: **P3LED09NFL25930-E3LWWH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P106558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13685)
Test Lab: PEACHTREE CITY
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: IRiS
Catalog Number: P3LED09NFL25930-E3LWWH
Description: IRIS 3 INCH LED LENSED WALL WASH FIXTURE WITH
SEMI SPECULAR CLEAR OPTICAL ELEMENT
AND 25 DEGREE PRIMARY OPTIC, 20 DEGREE AIMING ANGLE
Light Source: (1) 3000K 90CRI LED
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

Summary

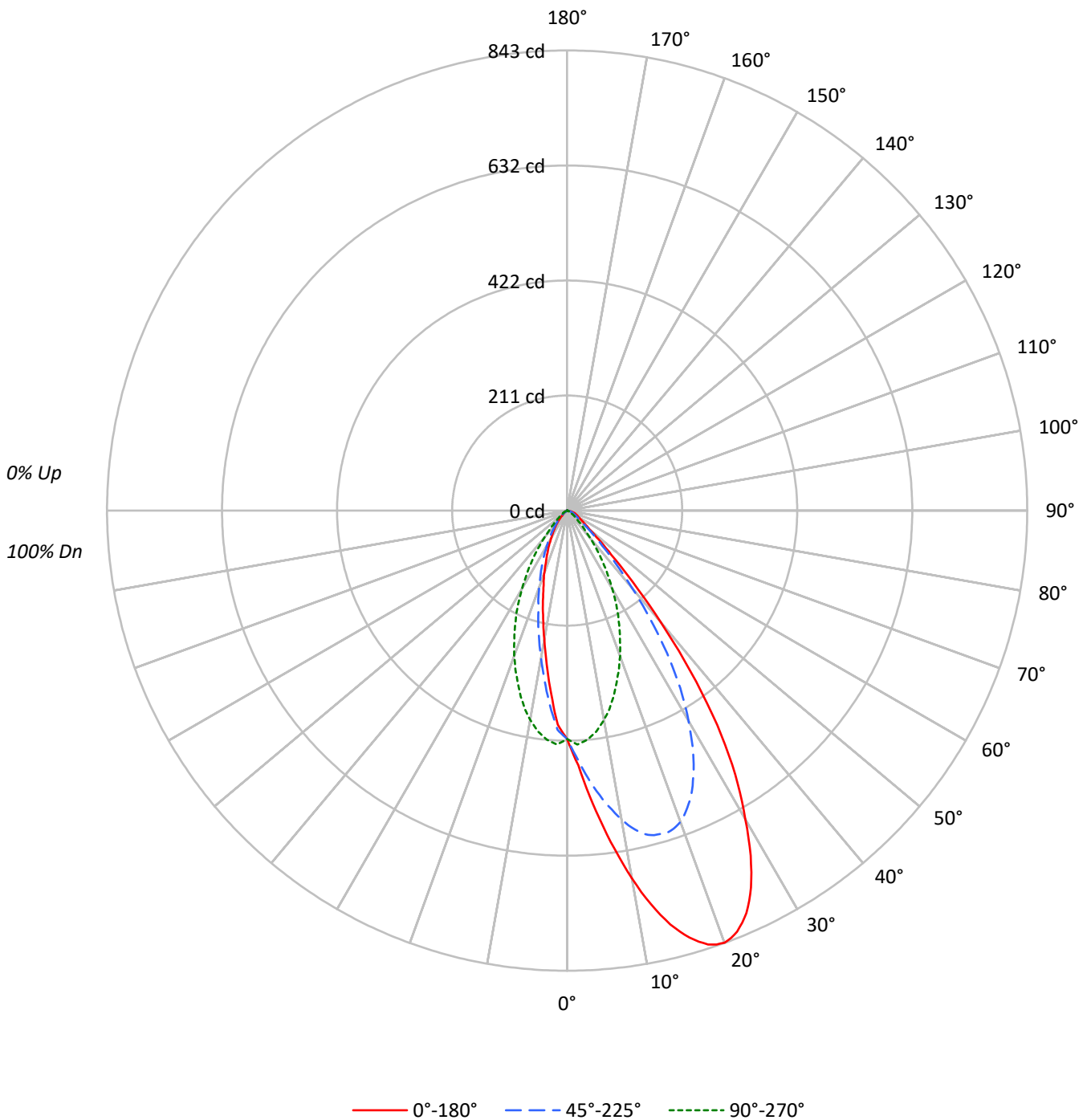
Lumens per Lamp: N/A
Luminaire Lumens: 489.8 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 0.8 / 0.98
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT



TEST NUMBER: P106558
CATALOG NUMBER: P3LED09NFL25930-E3LWWH

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	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					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94					92				
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86					85				
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79					78				
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73					71				
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	67					66				
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62					61				
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58					56				
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54					53				
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50					49				
10	68	58	52	48	67	58	52	48	57	51	47	56	51	47	55	51	47					46				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	58704	58704	58704
5°	75904	59393	47348
10°	97516	55477	34272
15°	116058	49326	24859
20°	125839	42355	18310
25°	122128	34624	13239
30°	105867	26738	9383
35°	82167	19154	6802
40°	48731	11853	4562
45°	22725	6946	2401
50°	11768	4410	1463
55°	8417	3132	979
60°	6792	2077	561
65°	6475	897	232
70°	6647	821	1641
75°	5097	380	380
80°	3233	0	566
85°	2093	1127	1127



TEST NUMBER: P106558

CATALOG NUMBER: P3LED09NFL25930-E3LWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	8.3
10°-20°	115.4	23.6
20°-30°	149.6	30.5
30°-40°	114.2	23.3
40°-50°	44.0	9.0
50°-60°	14.7	3.0
60°-70°	7.0	1.4
70°-80°	3.2	0.7
80°-90°	0.8	0.2
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°	305.9	62.4
0°-40°	420.1	85.8
0°-60°	478.7	97.7
0°-90°	489.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	489.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	418	418	418	418	418	
5°	539	501	422	359	336	56
15°	799	616	340	205	171	226
25°	789	546	224	108	86	356
35°	480	319	112	50	40	291
45°	114	91	35	18	12	100
55°	34	26	13	4	4	32
65°	20	11	3	1	1	19
75°	9	6	1	1	1	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3
2.5°	466.8	466.8	467.4	465.4	464.7	463.4	462.7	460.0	458.7	457.3	454.0
5°	538.8	538.2	536.8	534.8	529.4	526.0	521.3	514.6	508.5	501.1	492.4
7.5°	612.2	610.9	608.9	603.5	596.1	588.0	577.9	567.1	554.3	540.2	527.4
10°	684.3	682.3	677.6	670.8	659.4	646.6	631.1	613.6	595.4	575.2	554.3
11°	711.9	709.9	703.8	696.4	683.6	668.1	650.6	631.1	609.5	587.3	563.7
12°	736.8	734.8	728.1	718.7	705.2	688.3	668.1	645.9	623.0	597.4	571.8
13°	760.4	759.1	751.0	739.5	725.4	707.2	685.0	660.7	633.8	606.2	576.5
14°	781.3	779.9	772.5	759.1	742.9	721.4	698.5	670.8	641.9	612.2	579.9
15°	798.8	797.5	788.7	774.6	757.0	734.1	708.6	678.9	648.6	615.6	582.6
16°	813.6	811.6	802.2	788.0	767.8	744.3	716.6	685.0	652.0	616.3	581.3
17°	825.7	823.1	813.6	798.1	777.3	752.3	723.4	689.0	656.0	618.3	579.2
18°	835.9	833.2	822.4	806.9	784.0	757.0	726.7	691.0	654.7	616.3	577.2
19°	840.6	836.5	826.4	809.6	786.7	758.4	726.7	689.7	652.0	612.2	571.8
20°	842.6	838.5	827.8	810.3	786.0	757.0	724.0	687.0	647.9	606.9	565.1
21°	838.5	835.2	824.4	805.5	782.0	751.7	718.0	679.6	639.2	598.1	556.3
22°	831.8	827.8	816.3	798.1	773.2	744.3	709.2	670.2	631.1	587.3	546.2
23°	820.4	817.7	804.9	786.7	762.4	732.8	697.1	658.7	618.3	575.9	534.1
24°	807.6	803.5	791.4	772.5	749.0	718.0	683.0	644.6	603.5	562.4	521.3
25°	788.7	785.3	773.9	755.0	730.8	699.8	665.4	627.1	587.3	545.6	504.5
26°	768.5	764.5	753.0	733.5	709.9	680.9	646.6	608.9	569.8	528.7	488.3
27°	743.6	739.5	728.1	711.2	687.7	658.0	624.4	588.7	549.6	509.9	470.8
28°	716.0	712.6	701.8	684.3	660.7	631.8	600.8	567.1	528.7	489.7	451.3
29°	685.0	681.6	671.5	653.3	631.8	604.8	573.2	540.2	504.5	466.1	429.7
30°	653.3	650.0	642.5	623.7	603.5	577.9	548.9	514.6	481.6	445.2	409.5
32.5°	573.8	570.5	562.4	547.6	527.4	503.8	478.2	447.9	418.3	385.9	353.6
35°	479.6	476.9	468.1	455.3	439.8	418.3	394.7	370.4	344.8	318.6	292.3
37.5°	371.1	369.8	362.4	351.6	338.8	322.6	305.1	286.3	267.4	248.5	229.0
40°	266.0	265.4	262.0	255.9	245.2	235.7	222.9	212.2	198.7	185.2	171.8
42.5°	177.8	177.1	175.8	171.1	166.4	161.6	154.9	146.8	140.1	132.0	123.3
45°	114.5	113.8	112.5	111.1	109.1	106.4	103.1	99.7	96.3	90.9	86.2
47.5°	76.8	76.1	75.4	74.1	73.4	71.4	68.7	67.4	65.3	62.6	59.9
50°	53.9	54.6	53.9	53.2	51.9	51.2	49.2	47.8	46.5	44.5	42.4
52.5°	42.4	43.1	41.8	41.8	39.7	38.4	37.7	36.4	35.0	34.4	31.0
55°	34.4	34.4	33.7	33.0	32.3	31.7	30.3	29.0	27.6	26.3	24.9
57.5°	28.3	28.3	27.6	26.9	27.6	26.3	24.2	23.6	23.6	20.2	20.2
60°	24.2	24.9	24.2	24.2	22.9	22.2	21.6	20.2	18.9	17.5	16.2
62.5°	22.2	22.2	21.6	21.6	21.6	21.6	18.2	18.2	16.2	14.8	13.5
65°	19.5	18.9	18.2	18.2	16.8	16.2	14.8	14.1	13.5	11.4	10.1
67.5°	16.8	16.8	16.8	16.2	14.8	14.8	13.5	11.4	10.8	10.1	9.4
70°	16.2	16.2	14.8	14.8	13.5	12.1	12.1	10.8	9.4	9.4	7.4
72.5°	12.1	12.1	11.4	10.8	10.8	9.4	8.1	7.4	7.4	6.1	5.4
75°	9.4	9.4	9.4	9.4	7.4	7.4	6.7	6.7	5.4	6.1	3.4
77.5°	6.7	6.7	6.7	6.1	5.4	5.4	4.7	4.0	4.0	3.4	3.4
80°	4.0	4.0	4.7	3.4	4.0	4.7	3.4	3.4	3.4	2.0	2.7



TEST NUMBER: P106558

CATALOG NUMBER: P3LED09NFL25930-E3LWWH

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
82.5°	2.0	2.7	2.0	2.7	2.0	2.0	2.0	2.0	1.3	1.3	0.7
85°	1.3	2.0	2.0	2.0	1.3	0.7	1.3	1.3	1.3	0.7	0.7
87.5°	0.7	0.0	0.0	0.0	0.7	0.7	0.0	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	112.5°	135°	157.5°
0°	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3	418.3
2.5°	450.6	448.6	445.9	441.8	439.1	435.8	431.7	429.0	415.6	402.1	396.0
5°	484.3	475.5	467.4	458.0	448.6	440.5	431.7	421.6	385.9	359.0	340.8
7.5°	512.6	497.1	481.6	466.1	451.9	437.1	421.6	408.2	352.9	315.2	293.0
10°	533.4	511.2	489.0	468.1	447.2	427.7	408.2	389.3	319.9	274.1	249.2
11°	540.2	515.3	490.3	466.8	444.5	421.6	400.1	380.5	307.1	260.0	234.4
12°	544.2	517.3	489.7	464.1	439.1	416.9	392.7	371.8	295.0	245.2	218.2
13°	546.9	517.3	488.3	460.0	433.8	408.2	384.6	361.0	281.5	231.0	204.8
14°	548.9	517.3	486.3	456.7	427.7	400.1	375.2	351.6	268.1	218.2	192.0
15°	547.6	513.9	480.9	449.2	418.9	391.3	363.7	339.5	255.3	204.8	179.2
16°	546.2	510.5	475.5	441.2	410.2	380.5	352.9	328.0	241.1	190.6	166.4
17°	541.5	504.5	468.1	433.8	400.8	369.8	341.5	316.6	229.0	179.8	155.6
18°	538.2	499.1	461.4	425.7	392.0	361.0	332.1	306.5	218.9	171.1	146.2
19°	531.4	491.0	454.0	416.2	381.9	349.6	321.3	293.7	206.8	159.6	138.1
20°	524.0	483.6	443.9	406.8	371.8	338.8	310.5	283.6	196.0	150.2	128.0
21°	513.9	472.1	433.1	395.4	360.3	327.3	297.7	270.8	185.9	140.8	119.9
22°	502.5	461.4	421.6	383.9	347.5	315.9	284.9	258.6	175.1	131.3	111.1
23°	491.0	448.6	408.8	371.1	336.1	303.8	273.5	247.9	165.0	123.9	104.4
24°	478.9	435.8	396.0	358.3	323.3	291.0	262.7	235.1	155.6	115.2	97.0
25°	462.7	421.0	381.2	344.2	309.8	277.5	249.2	223.6	145.5	107.8	90.3
26°	447.2	406.8	367.1	331.4	297.0	265.4	237.8	212.8	136.7	101.0	84.9
27°	430.4	390.0	352.3	317.2	283.6	253.2	225.6	200.7	127.3	93.6	78.8
28°	411.5	373.1	336.8	303.1	269.4	239.8	213.5	189.3	119.2	87.6	72.7
29°	391.3	355.0	318.6	286.3	253.9	225.0	200.0	175.8	109.1	79.5	66.0
30°	373.1	338.1	303.8	270.1	239.8	211.5	185.9	165.0	101.0	73.4	62.0
32.5°	321.9	290.3	258.6	230.3	203.4	177.8	156.3	137.4	83.5	61.3	52.5
35°	266.0	239.8	212.8	188.6	166.4	146.8	128.0	111.8	68.7	49.8	42.4
37.5°	208.1	187.9	168.4	149.5	131.3	114.5	99.7	86.9	52.5	39.1	34.4
40°	156.9	142.8	128.6	113.8	99.7	86.9	76.1	64.7	40.4	31.0	27.6
42.5°	113.8	103.7	93.6	83.5	72.7	63.3	54.6	47.8	31.0	23.6	19.5
45°	80.2	74.1	66.7	59.3	51.2	44.5	39.7	35.0	24.2	17.5	13.5
47.5°	56.6	53.2	47.8	41.8	36.4	33.0	29.0	26.3	19.5	13.5	9.4
50°	40.4	37.0	34.4	29.6	27.6	24.9	22.9	20.2	14.1	10.1	7.4
52.5°	30.3	27.6	26.3	22.2	20.9	19.5	17.5	16.2	10.1	6.7	4.7
55°	22.9	21.6	19.5	17.5	16.2	14.8	13.5	12.8	7.4	4.0	3.4
57.5°	18.2	16.2	15.5	13.5	12.1	10.8	11.4	9.4	6.7	2.7	2.0
60°	15.5	14.1	11.4	10.8	9.4	8.8	8.1	7.4	4.0	2.7	2.0
62.5°	12.1	11.4	9.4	8.8	8.1	6.7	6.7	6.1	2.7	2.0	2.0
65°	8.8	8.1	6.7	6.1	6.1	4.7	4.0	2.7	1.3	0.7	0.0
67.5°	8.1	6.1	6.7	5.4	4.0	3.4	2.7	3.4	1.3	1.3	1.3
70°	6.7	6.1	5.4	5.4	3.4	3.4	2.7	2.0	1.3	1.3	1.3
72.5°	4.7	4.0	3.4	2.0	2.0	1.3	2.0	0.7	0.7	0.7	0.7
75°	3.4	2.7	3.4	2.7	2.0	1.3	3.4	0.7	0.7	0.7	0.7
77.5°	2.7	2.0	1.3	1.3	0.7	1.3	0.7	0.7	0.7	0.0	0.7
80°	4.0	2.7	1.3	0.7	0.7	2.0	2.7	0.0	2.7	0.7	0.7



TEST NUMBER: P106558

CATALOG NUMBER: P3LED09NFL25930-E3LWWH

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	112.5°	135°	157.5°
82.5°	1.3	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.0	0.7	0.7	0.7	1.3	2.0	0.7	1.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P106558

CATALOG NUMBER: P3LED09NFL25930-E3LWWH

CANDELA DISTRIBUTION (continued):

	180°
0°	418.3
2.5°	392.7
5°	336.1
7.5°	284.9
10°	240.5
11°	225.0
12°	210.1
13°	196.0
14°	184.5
15°	171.1
16°	159.0
17°	148.2
18°	139.4
19°	131.3
20°	122.6
21°	113.2
22°	105.1
23°	98.3
24°	92.3
25°	85.5
26°	80.2
27°	74.8
28°	69.4
29°	62.6
30°	57.9
32.5°	48.5
35°	39.7
37.5°	32.3
40°	24.9
42.5°	18.2
45°	12.1
47.5°	10.8
50°	6.7
52.5°	6.1
55°	4.0
57.5°	1.3
60°	2.0
62.5°	1.3
65°	0.7
67.5°	0.7
70°	4.0
72.5°	0.7
75°	0.7
77.5°	0.0
80°	0.7



TEST NUMBER: P106558

CATALOG NUMBER: P3LED09NFL25930-E3LWWH

CANDELA DISTRIBUTION (continued):

	180°
82.5°	0.0
85°	0.7
87.5°	0.0
90°	0.0

(END OF REPORT)