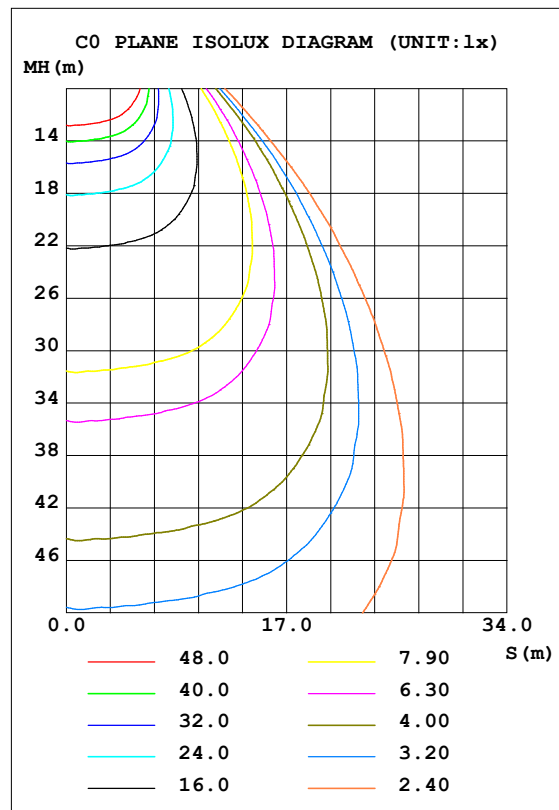
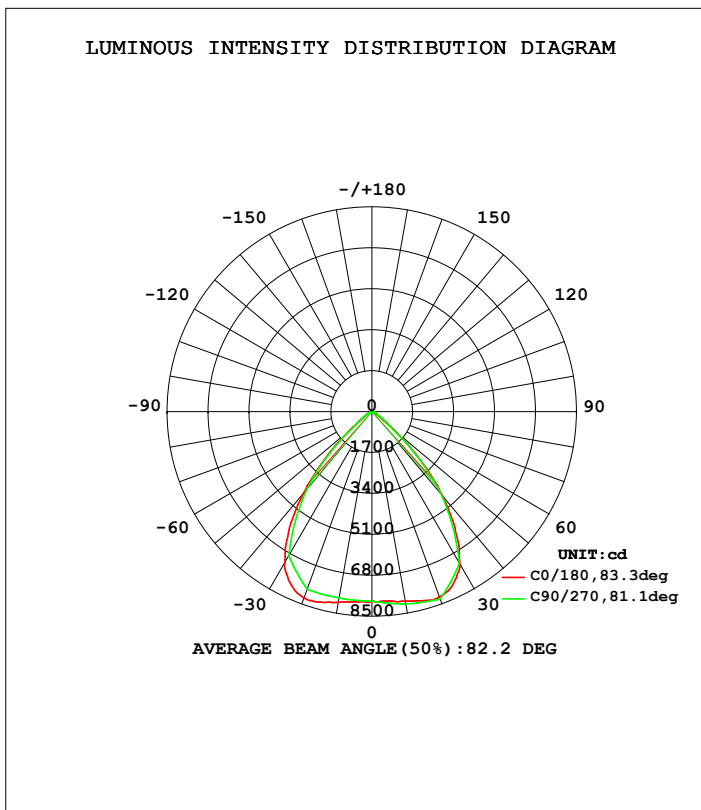


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.9V I:0.7150A P:152.3W PF:0.9690 Lamp Flux:12959.9x1 lm		
NAME: CO-D330-150W	TYPE:室内	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	CO-D330-150W	Imax(cd)	8281	S/MH(C0/180)	1.19
NOMINAL POWER(W)	154	LOR(%)	100.0	S/MH(C90/270)	1.17
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	12960	η UP,DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	12959.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	219.9	η down(%)	100.0	CIBSE SHR MAX	1.25



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30.3DEG  
 Operators:  
 Test Date:2013-11-28

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:95%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: LED:3020

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

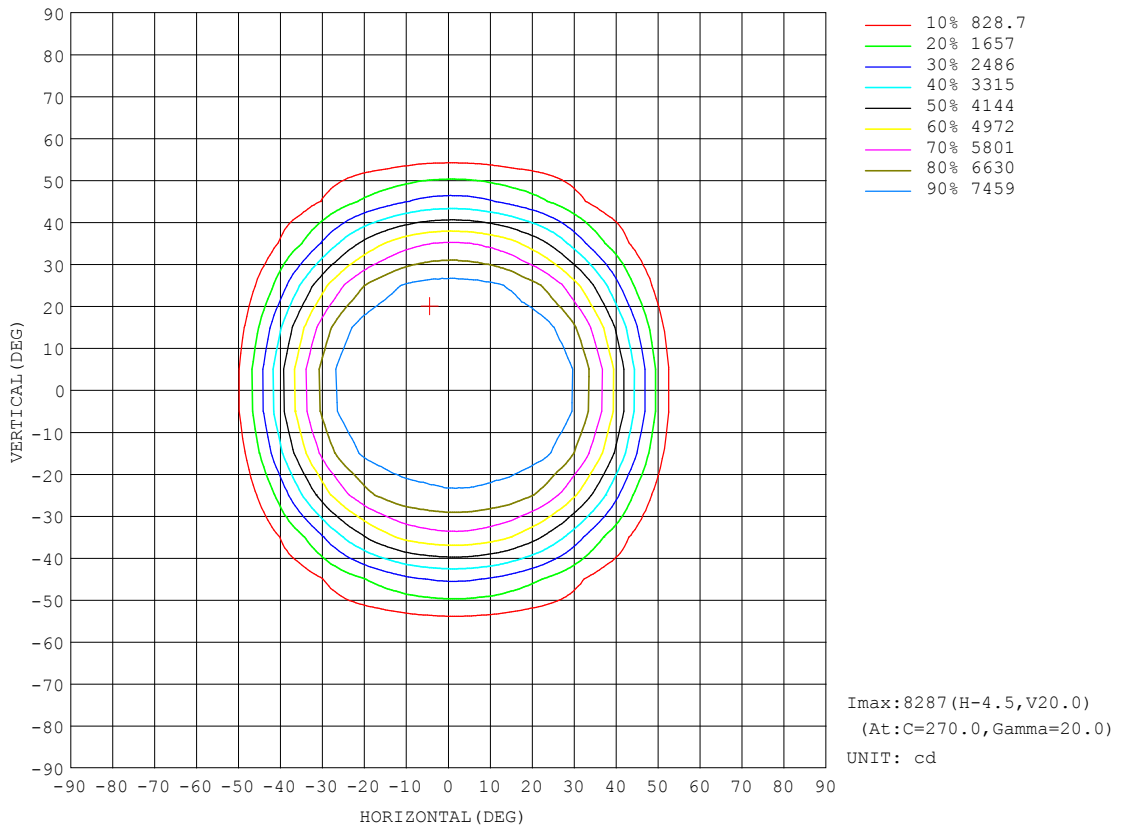
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
5	7930	7910	7864	7878	7892	7968	7988	7989	0- 5	189.4	189.4	1.46,1.46
10	8044	7971	7861	7911	7988	8100	8108	8082	5- 10	570.6	759.9	5.86,5.86
15	8194	8019	7858	7967	8127	8206	8194	8210	10- 15	955.8	1716	13.2,13.2
20	8229	7943	7854	7895	8190	8160	8281	8130	15- 20	1336	3052	23.5,23.5
25	7936	7665	7380	7635	7945	7910	7777	7845	20- 25	1666	4718	36.4,36.4
30	7246	6931	6906	6949	7308	7199	7273	7094	25- 30	1880	6598	50.9,50.9
35	6003	5682	5551	5732	6065	5990	5871	5886	30- 35	1913	8511	65.7,65.7
40	4405	4232	4197	4315	4548	4527	4469	4387	35- 40	1704	10215	78.8,78.8
45	2741	2564	2594	2651	2864	2813	2775	2664	40- 45	1302	11518	88.9,88.9
50	1150	1023	992.2	1110	1255	1211	1081	1073	45- 50	778.0	12296	94.9,94.9
55	450.7	486.7	603.6	505.9	476.4	537.9	652.8	503.5	50- 55	337.8	12634	97.5,97.5
60	220.2	227.5	215.0	221.4	231.4	228.4	224.2	230.7	55- 60	162.6	12796	98.7,98.7
65	124.5	130.6	134.0	130.9	134.0	136.0	139.2	130.7	60- 65	86.83	12883	99.4,99.4
70	56.95	61.17	53.06	63.82	59.42	65.73	54.24	59.42	65- 70	47.39	12930	99.8,99.8
75	17.31	19.77	30.26	20.81	17.43	19.84	29.64	18.42	70- 75	20.00	12950	99.9,99.9
80	5.487	8.477	7.459	9.222	5.665	7.144	5.040	6.786	75- 80	7.432	12958	100,100
85	1.211	1.723	0	2.066	1.312	0.9977	0	0.9368	80- 85	1.983	12960	100,100
90	0.2895	0	0	0	0.3365	0	0	0	85- 90	0.1634	12960	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30.3DEG  
 Operators:  
 Test Date:2013-11-28

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:95%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: LED:3020

ISOCANDELA DIAGRAM

Test:U:219.9V I:0.7150A P:152.3W PF:0.9690 Lamp Flux:12959.9x1 lm		
NAME: CO-D330-150W	TYPE:室内	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

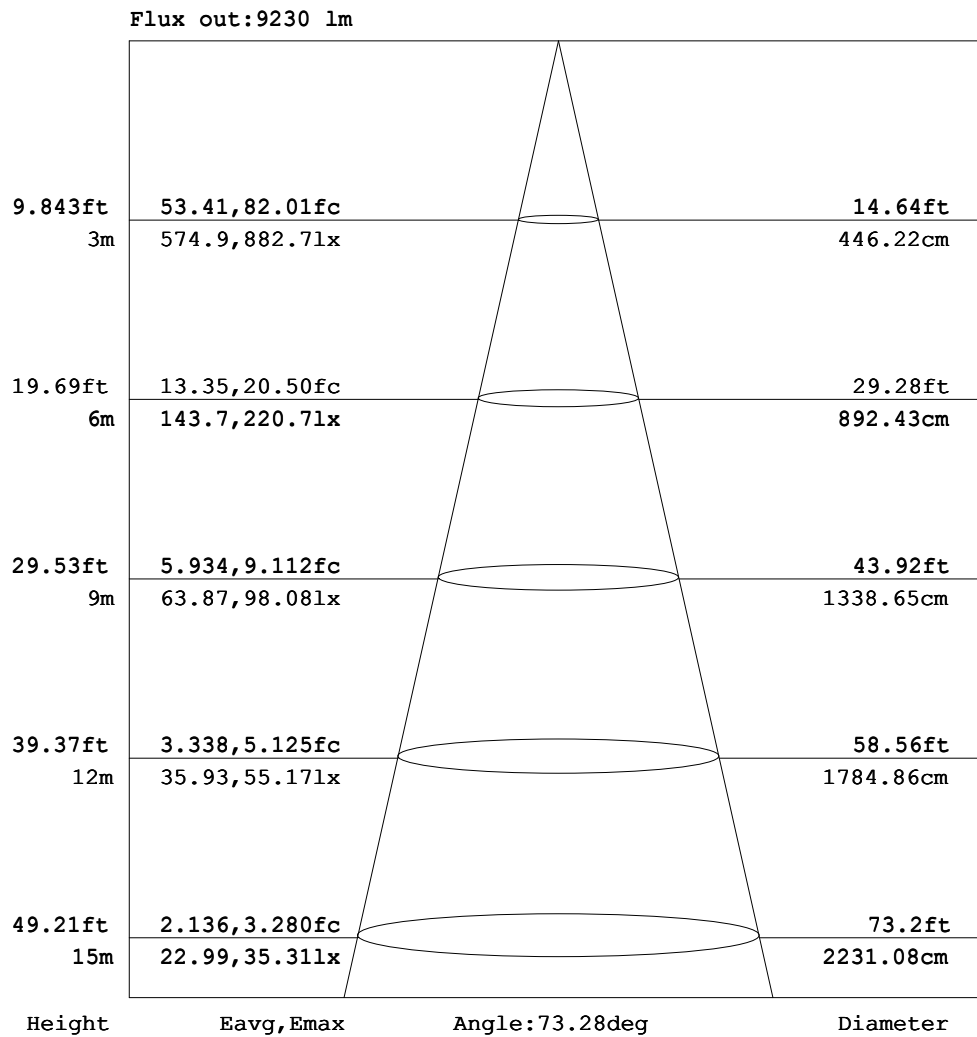


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30.3DEG  
 Operators:  
 Test Date: 2013-11-28

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity: 95%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks: LED: 3020

AAI Figure

Test:U:219.9V I:0.7150A P:152.3W PF:0.9690 Lamp Flux:12959.9x1 lm		
NAME: CO-D330-150W	TYPE:室内	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



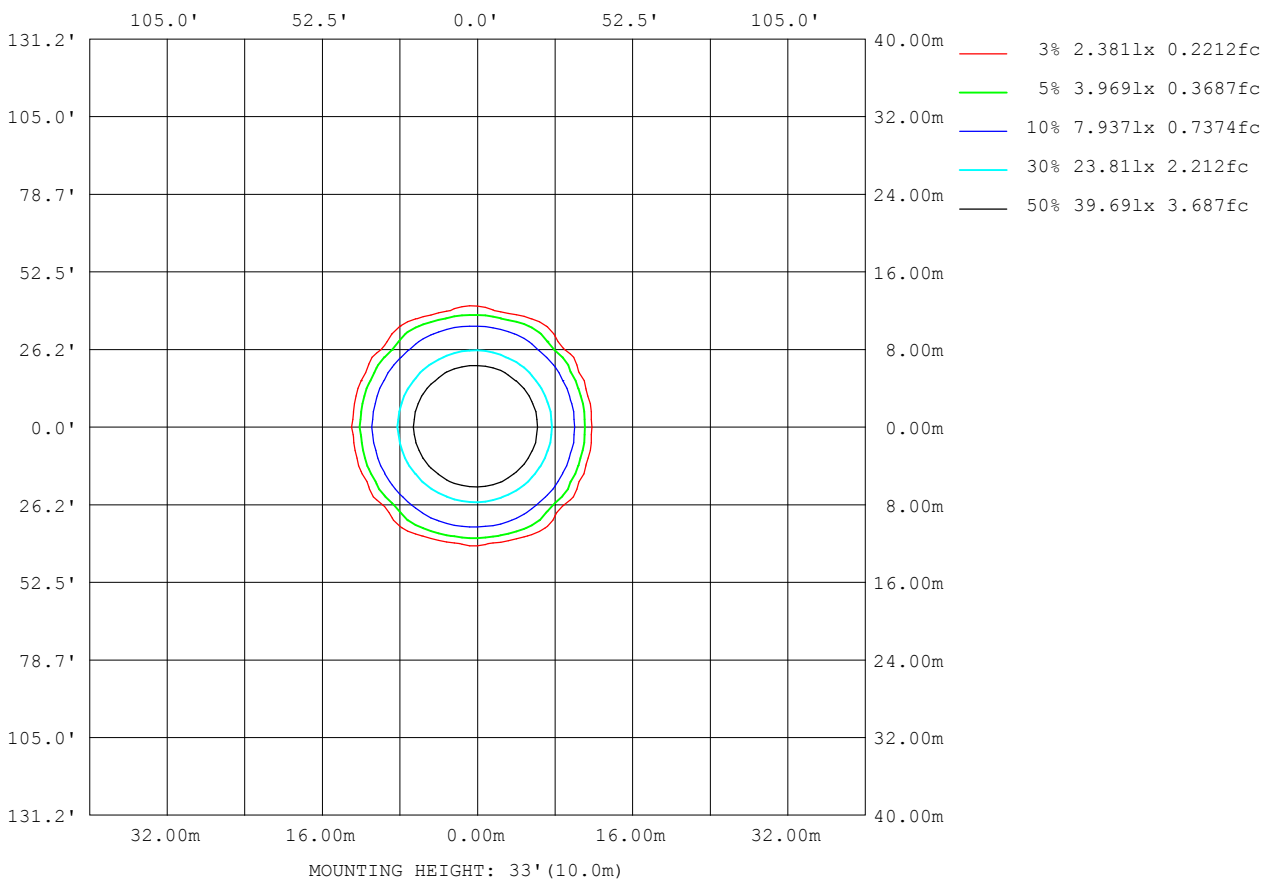
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30.3DEG  
 Operators:  
 Test Date:2013-11-28

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:95%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: LED:3020

ISOLUX DIAGRAM

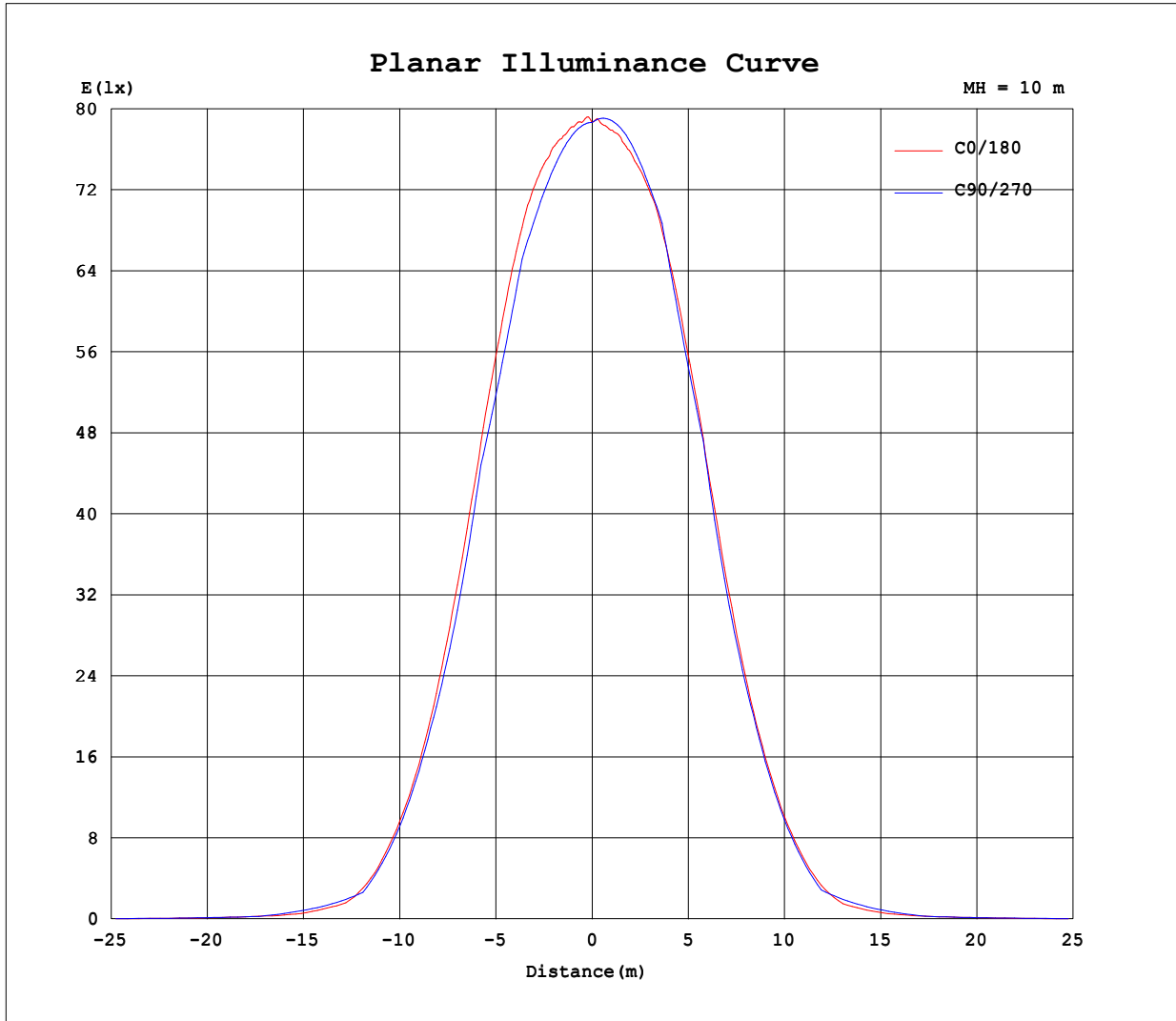
Test:U:219.9V I:0.7150A P:152.3W PF:0.9690 Lamp Flux:12959.9x1 lm		
NAME: CO-D330-150W	TYPE:室内	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30.3DEG  
 Operators:  
 Test Date:2013-11-28

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:95%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: LED:3020

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30.3DEG  
 Operators:  
 Test Date: 2013-11-28

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity: 95%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks: LED: 3020