













UTILIZATION FACTORS TABLE

Test:U:23.95V I:0.0536A P:1.284W PF:1.000 Lamp Flux:66.9237x1 lm		
10(8%61\$&	TYPE: LED Strip	WEIGHT: 0.01 Kg
63(&	DIM.:1000*10*2 (MM)	SERIAL No.: 001
0)5)OHILUH/(∇,0	SUR.:1000*10 (MM)	Shielding Angle:120

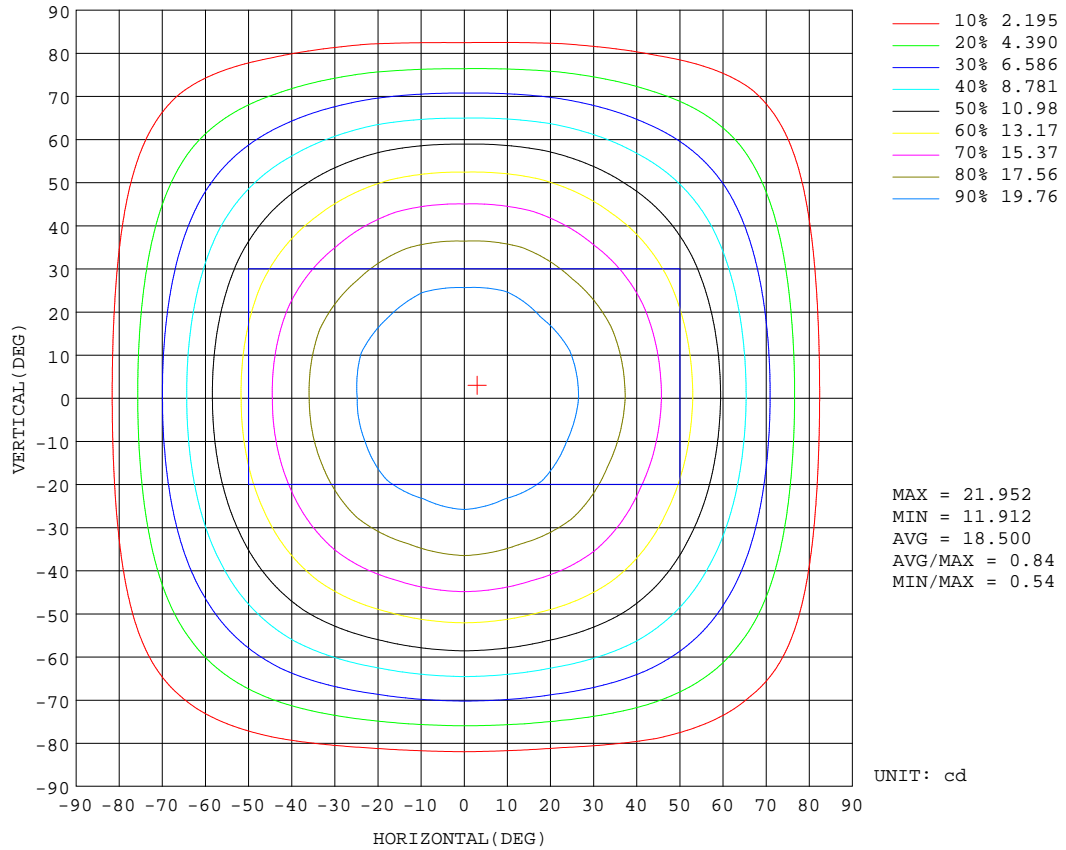
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	56	44	37	56	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	78	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	87	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:23.95V I:0.0536A P:1.284W PF:1.000 Lamp Flux:66.9237x1 lm		
NAME: UB-SNA-DW183090C (1800K)	TYPE: LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



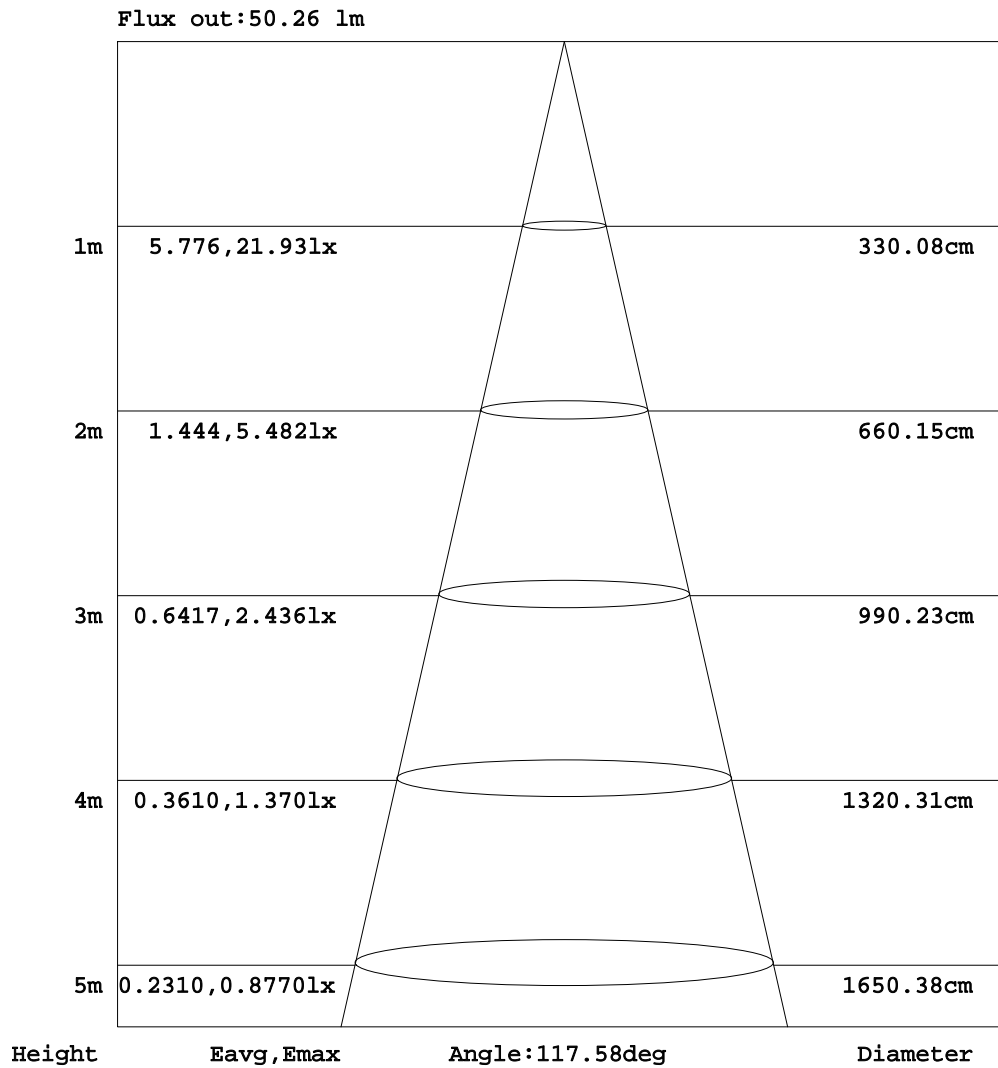
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:23.95V I:0.0536A P:1.284W PF:1.000 Lamp Flux:66.9237x1 lm		
NAME: UB-SNA-DW183090C (1800K)	TYPE: LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



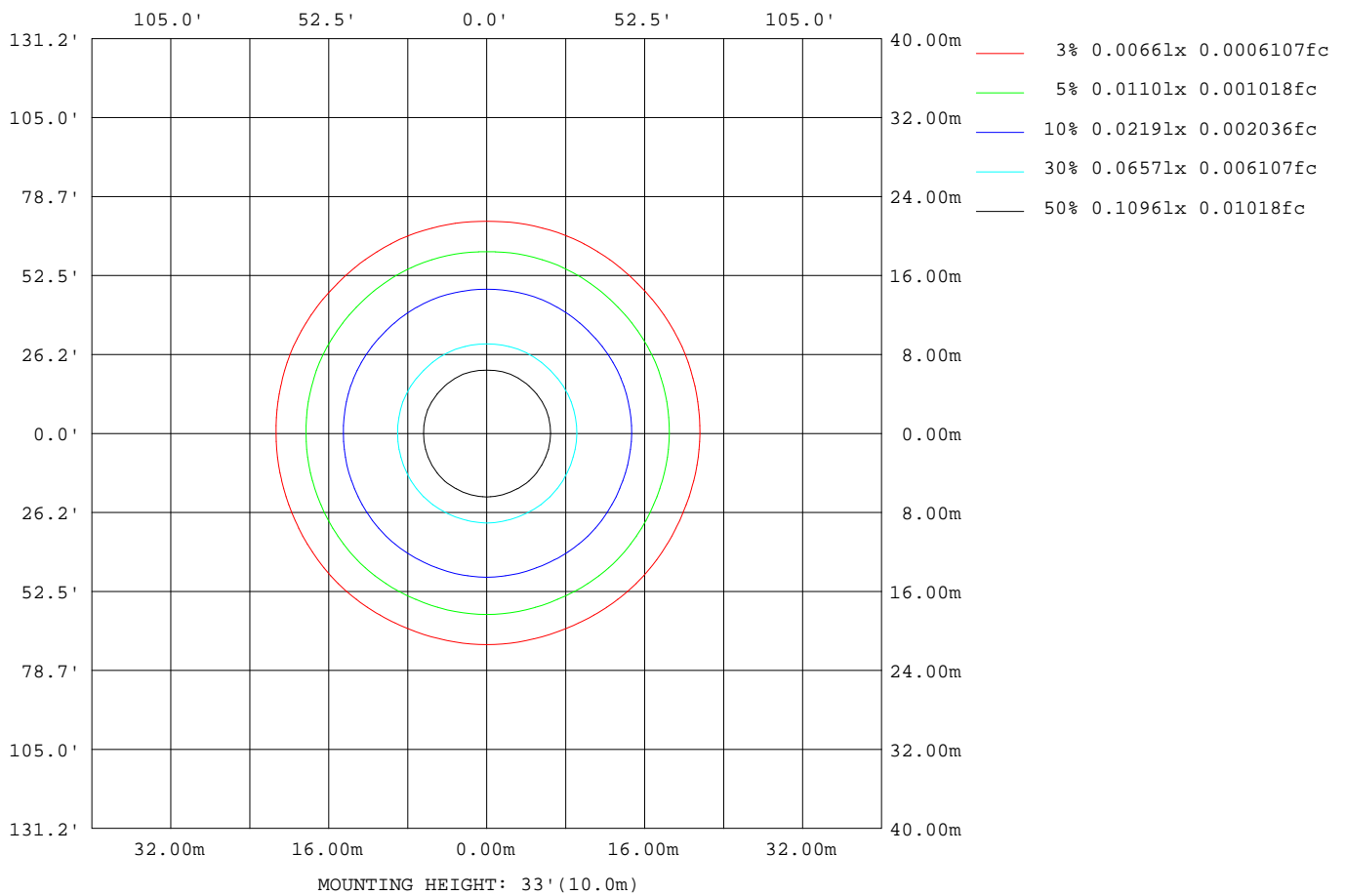
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Test Date: 2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 9.660m [K=1.0000]  
 Remarks:

**ISOLUX DIAGRAM**

Test:U:23.95V I:0.0536A P:1.284W PF:1.000 Lamp Flux:66.9237x1 lm		
NAME: UB-SNA-DW183090C (1800K)	TYPE: LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

**LED Avg.L Report**

Test:U:23.95V I:0.0536A P:1.284W PF:1.000 Lamp Flux:66.9237x1 lm		
NAME: UB-SNA-DW183090C (1800K)	TYPE: LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

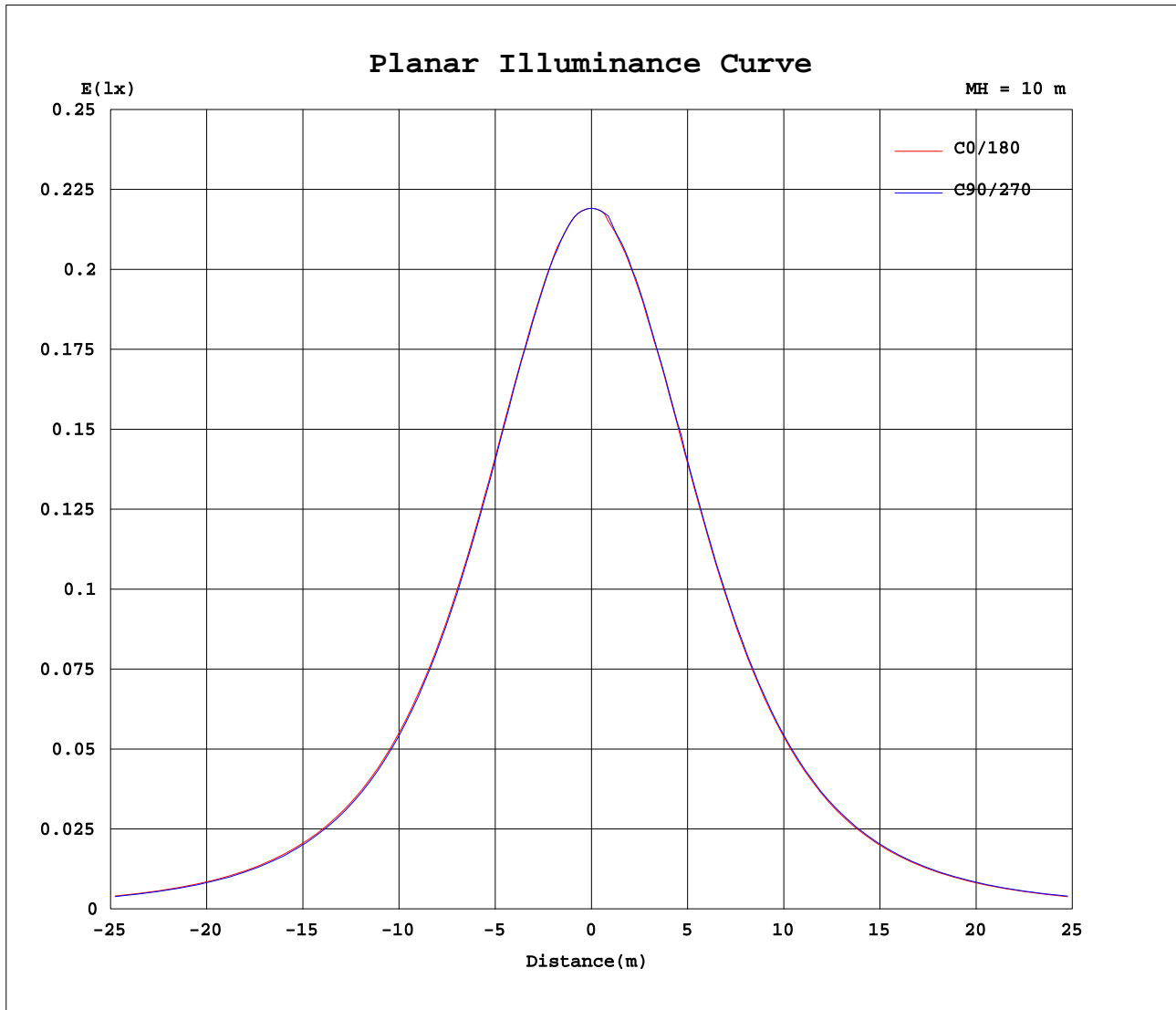
AvgL	cd/m2
L_0~180(65)av	1032354
L_0~180(75)av	933113
L_0~180(85)av	688322
L_90~270(65)av	1027873
L_90~270(75)av	936073
L_90~270(85)av	779868
L_45(65)av	1031206
L_45(75)av	931735
L_45(85)av	748932

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Test Date:2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:9.660m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Test Date: 2020-11-24

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity: 65.0%  
 Test Distance: 9.660m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.95V I:0.0536A P:1.284W PF:1.000 Lamp Flux:66.9237x1 lm		
NAME: UB-SNA-DW183090C (1800K)	TYPE: LED Strip	WEIGHT: 0.01 Kg
SPEC.: 11W	DIM.:1000*10*2 (MM)	SERIAL No.: 001
MFR.: Flexfire LEDs, Inc.	SUR.:1000*10 (MM)	Shielding Angle:120

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9			
5	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.8	21.9	21.9	21.9	21.9	21.9	21.9	21.9			
10	21.7	21.5	21.6	21.5	21.6	21.5	21.6	21.5	21.5	21.6	21.5	21.7	21.5	21.6	21.6	21.7			
15	21.3	21.1	21.2	21.1	21.2	21.1	21.2	21.1	21.1	21.2	21.1	21.2	21.1	21.2	21.1	21.3			
20	20.7	20.5	20.7	20.5	20.7	20.5	20.6	20.5	20.5	20.7	20.5	20.7	20.5	20.7	20.6	20.7			
25	20.0	20.0	19.9	19.8	19.9	19.8	19.9	19.7	19.7	19.9	19.9	20.0	19.9	20.0	19.9	20.0			
30	19.1	18.9	19.0	18.9	19.0	18.9	19.0	18.9	18.9	19.0	18.9	19.0	19.0	19.1	19.0	19.2			
35	18.1	18.0	18.0	17.8	17.9	17.8	17.9	17.8	17.8	18.0	17.8	18.0	17.9	18.0	17.9	18.1			
40	16.9	16.7	16.8	16.6	16.7	16.5	16.7	16.6	16.6	16.8	16.7	16.8	16.7	16.8	16.8	16.9			
45	15.6	15.4	15.4	15.3	15.3	15.3	15.3	15.3	15.2	15.4	15.3	15.5	15.4	15.5	15.4	15.6			
50	14.1	13.9	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.9	13.9	14.0	13.9	14.0	14.0	14.1			
55	12.5	12.3	12.3	12.1	12.2	12.1	12.2	12.1	12.1	12.4	12.2	12.4	12.3	12.4	12.4	12.6			
60	10.8	10.6	10.6	10.4	10.5	10.4	10.5	10.4	10.4	10.6	10.5	10.7	10.6	10.7	10.6	10.8			
65	8.92	8.69	8.72	8.52	8.62	8.51	8.63	8.50	8.53	8.74	8.68	8.84	8.76	8.91	8.84	8.99			
70	6.98	6.78	6.76	6.63	6.69	6.58	6.67	6.52	6.57	6.77	6.80	6.94	6.88	6.97	6.93	7.05			
75	5.03	4.85	4.80	4.66	4.76	4.67	4.72	4.60	4.63	4.84	4.84	5.02	4.93	5.04	4.93	5.09			
80	3.09	2.87	2.92	2.76	2.86	2.79	2.84	2.73	2.75	2.94	2.90	3.10	3.06	3.16	3.08	3.16			
85	1.28	1.09	1.28	1.18	1.31	1.20	1.25	1.14	1.12	1.33	1.29	1.48	1.41	1.55	1.41	1.51			
90	0.15	0.15	0.32	0.20	0.37	0.23	0.35	0.23	0.14	0.31	0.23	0.43	0.35	0.50	0.32	0.38			
95	0.05	0.06	0.11	0.05	0.09	0.05	0.11	0.05	0.06	0.09	0.06	0.12	0.05	0.12	0.05	0.08			
100	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05			
105	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
110	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
115	0.05	0.06	0.06	0.06	0.00	0.06	0.06	0.05	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
120	0.05	0.06	0.06	0.06	0.00	0.06	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
125	0.05	0.06	0.06	0.06	0.00	0.06	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
130	0.06	0.06	0.06	0.06	0.00	0.06	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
135	0.12	0.06	0.06	0.06	0.00	0.06	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
140	0.12	0.06	0.06	0.06	0.00	0.06	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
145	0.12	0.06	0.06	0.06	0.02	0.06	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
150	0.03	0.06	0.06	0.06	0.02	0.05	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
155	0.03	0.06	0.06	0.06	0.02	0.05	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
160	0.03	0.06	0.06	0.06	0.02	0.05	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
165	0.03	0.06	0.06	0.06	0.03	0.05	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			
170	0.05	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.05	0.06	0.05			
175	0.05	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.11	0.06	0.06	0.06	0.06	0.05	0.06	0.05			
180	0.05	0.06	0.06	0.06	0.05	0.05	0.03	0.05	0.11	0.06	0.06	0.06	0.06	0.06	0.06	0.05			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
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γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
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 Remarks: