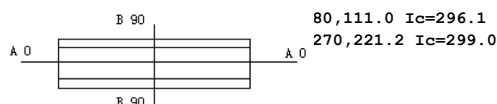
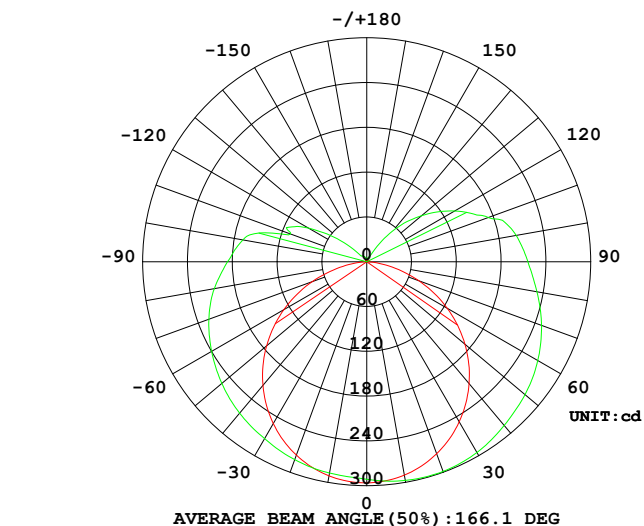


LUMINAIRE PHOTOMETRIC TEST REPORT

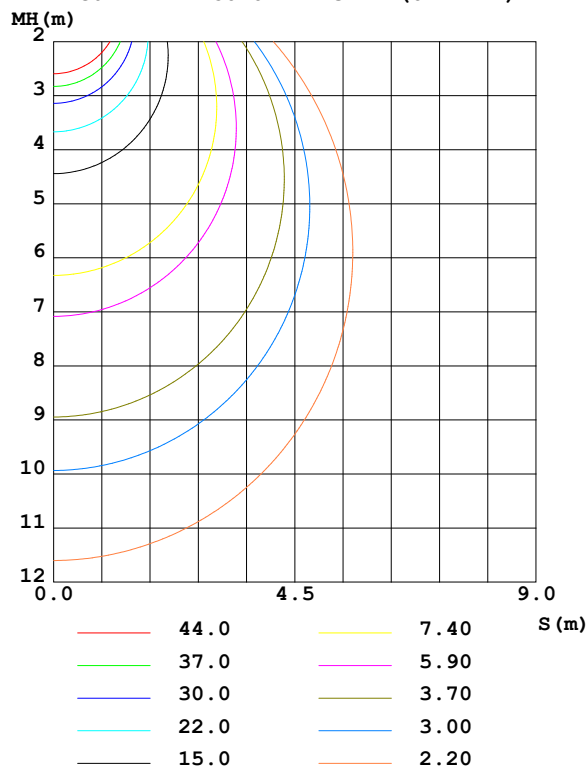
Test:U:230.21V I:0.1332A P:16.670W PF:0.5437 Freq:50.00Hz Lamp Flux:1606.27x1 lm		
NAME: LED T8 TUBE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JIANG MEN MING WEI ELECTRIC CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.36 lm/W
MODEL	081200266	I _{max} (cd)	299.0	S/MH (C0/180)	1.26	
NOMINAL POWER(W)	--	LOR (%)	100.0	S/MH (C90/270)	1.43	
RATED VOLTAGE (V)	--	TOTAL FLUX (lm)	1606.3	η UP,DN (C0-180)	13.0,40.5	
NOMINAL FLUX (lm)	1606.27	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	8.8,37.7	
LAMPS INSIDE	1	η up (%)	21.7	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	--	η down (%)	78.3	CIBSE SHR MAX	1.55	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	290.1	295.9	297.3	293.0	291.2	288.6	287.3	285.0	0~ 10	27.86	27.86	1.73,1.73
20	273.7	289.8	298.8	288.2	275.7	278.4	282.0	274.9	10~ 20	81.27	109.1	6.79,6.79
30	247.7	276.6	295.0	276.2	250.3	262.1	273.5	258.7	20~ 30	127.3	236.4	14.7,14.7
40	213.2	257.4	286.4	258.0	216.3	241.3	264.8	238.7	30~ 40	161.6	398.0	24.8,24.8
50	171.6	233.6	276.8	235.2	175.1	219.4	253.4	217.7	40~ 50	182.0	580.1	36.1,36.1
60	124.4	209.6	264.5	212.2	128.1	195.5	239.9	194.8	50~ 60	188.3	768.3	47.8,47.8
70	73.92	185.1	249.1	188.5	77.73	171.1	225.0	171.2	60~ 70	181.4	949.8	59.1,59.1
80	26.56	162.1	231.4	165.8	28.37	148.6	207.3	149.4	70~ 80	164.3	1114	69.4,69.4
90	1.495	145.1	215.8	148.5	1.674	126.7	186.6	128.1	80~ 90	143.1	1257	78.3,78.3
100	1.428	134.9	203.2	138.7	1.323	94.90	168.6	114.0	90~100	125.1	1382	86.1,86.1
110	1.625	95.99	173.4	97.98	1.536	63.09	108.9	67.59	100~110	98.56	1481	92.2,92.2
120	1.865	68.21	136.1	71.92	1.803	31.07	90.63	34.19	110~120	63.16	1544	96.1,96.1
130	2.087	38.65	96.22	41.89	2.211	9.340	40.26	9.256	120~130	35.97	1580	98.4,98.4
140	2.289	9.245	53.66	11.34	2.281	7.772	10.30	7.841	130~140	16.37	1596	99.4,99.4
150	2.496	6.689	9.921	5.132	2.477	5.599	8.704	6.584	140~150	6.015	1602	99.8,99.8
160	2.709	4.814	6.347	3.800	2.670	4.662	6.770	5.464	150~160	2.454	1605	99.9,99.9
170	2.856	2.774	3.442	2.770	2.839	4.197	4.650	3.931	160~170	1.144	1606	100,100
180	2.832	2.787	2.739	2.694	2.841	2.789	2.750	2.691	170~180	0.2937	1606	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 487.38 lm

%lum = 30.3%

%lamp = 30.3%

Conical surface Flux(120deg): 768.34 lm

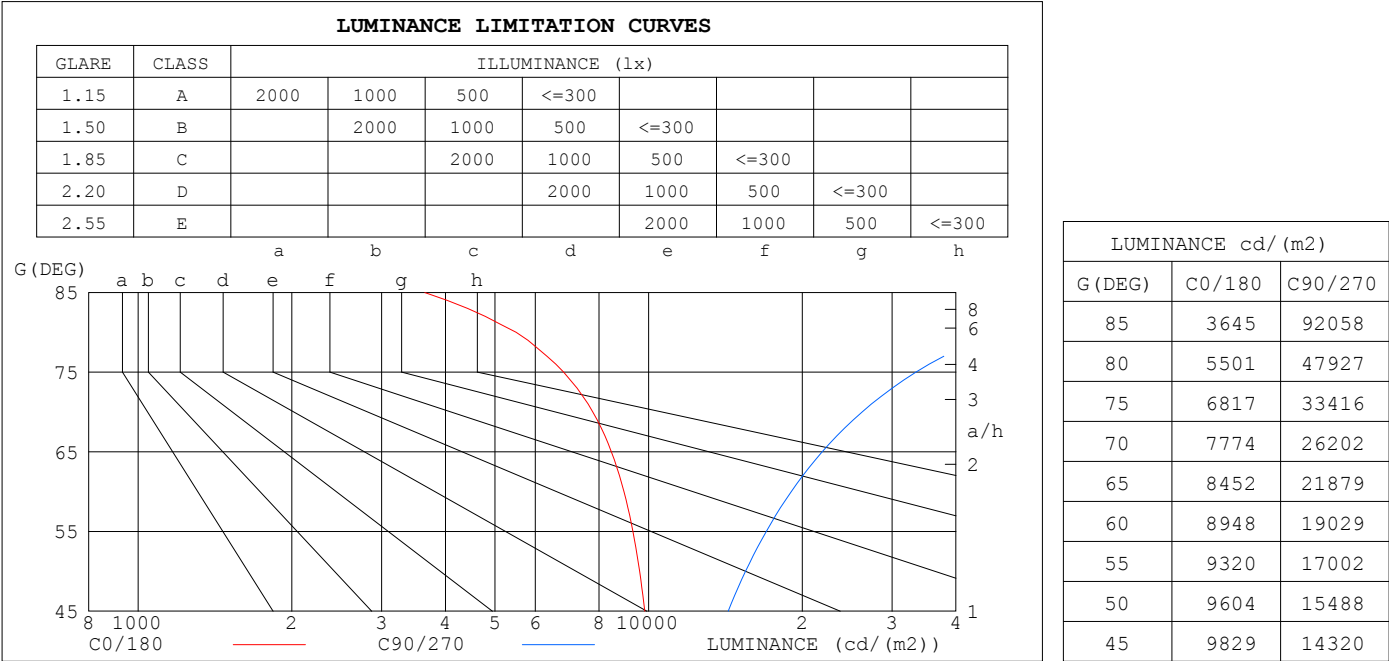
%lum = 47.8%

%lamp = 47.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3℃
 Operators:
 Test Date:2026-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

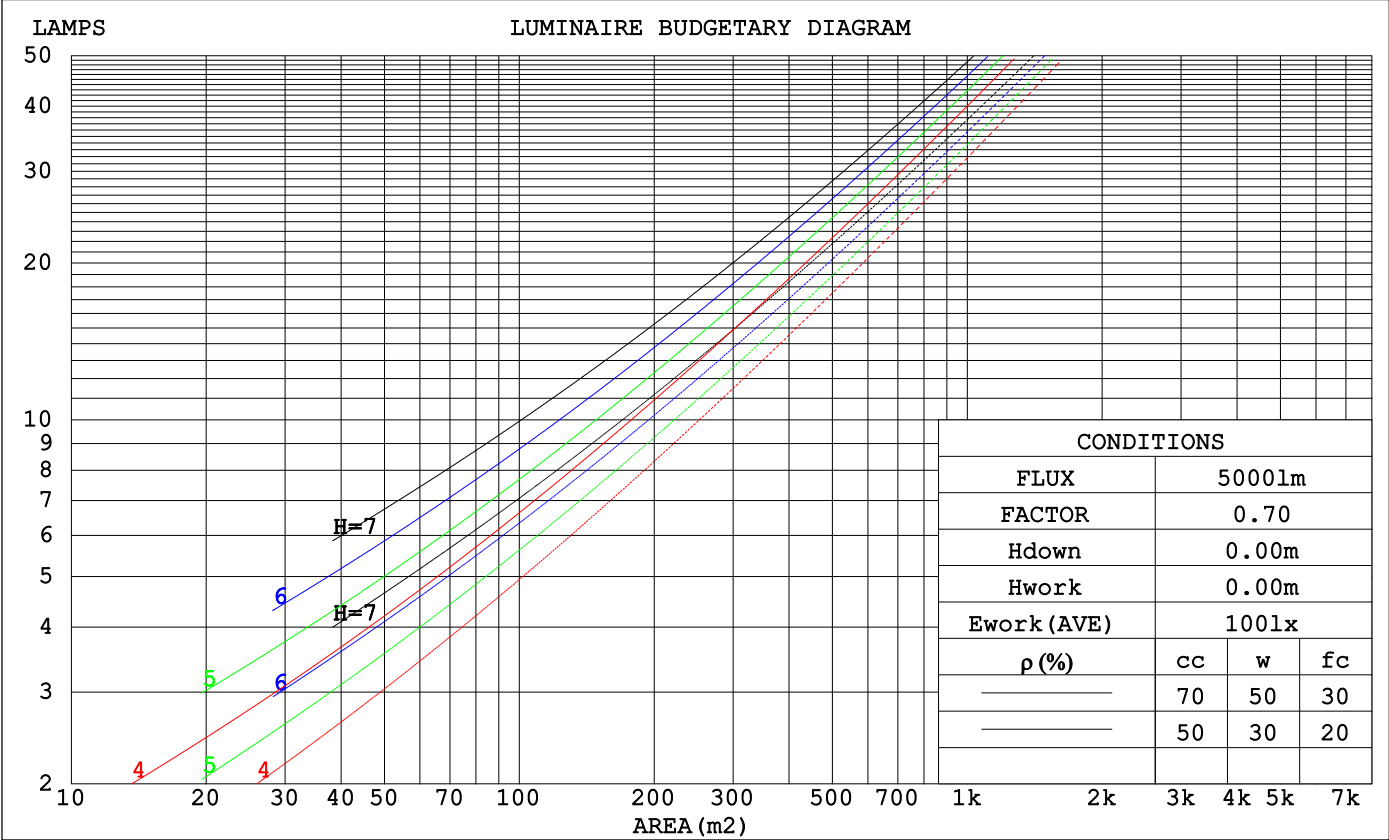


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:
Test Date:2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	.99	.99	.99	.90	.90	.90	.82	.82	.82	.78
1.0	.94	.88	.83	.89	.84	.80	.81	.77	.73	.73	.70	.67	.66	.64	.61	.57
2.0	.80	.72	.65	.76	.68	.62	.69	.63	.57	.62	.57	.53	.56	.52	.49	.45
3.0	.69	.60	.52	.66	.57	.50	.59	.52	.47	.54	.48	.43	.48	.44	.40	.36
4.0	.60	.51	.43	.57	.49	.42	.52	.45	.39	.47	.41	.36	.43	.37	.33	.30
5.0	.53	.44	.37	.51	.42	.35	.46	.39	.33	.42	.36	.31	.38	.33	.28	.25
6.0	.48	.38	.31	.46	.37	.30	.41	.34	.28	.38	.31	.26	.34	.29	.25	.22
7.0	.43	.34	.27	.41	.33	.26	.38	.30	.25	.34	.28	.23	.31	.26	.22	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.31	.25	.20	.28	.23	.19	.17
9.0	.36	.27	.21	.34	.26	.21	.31	.24	.20	.29	.23	.18	.26	.21	.17	.15
10.0	.33	.25	.19	.31	.24	.19	.29	.22	.18	.27	.21	.16	.24	.19	.15	.13



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

WEC AND CCEC

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.405	.231	.073	.391	.223	.071	.365	.210	.067	.341	.197	.063	.319	.185	.060		
2.0	.345	.189	.058	.332	.183	.056	.309	.172	.053	.287	.161	.050	.267	.151	.048		
3.0	.304	.162	.048	.292	.157	.047	.271	.147	.045	.251	.138	.042	.233	.129	.040		
4.0	.272	.141	.042	.262	.137	.040	.242	.128	.038	.224	.120	.036	.207	.113	.034		
5.0	.246	.125	.036	.237	.122	.035	.219	.114	.034	.203	.107	.032	.187	.100	.030		
6.0	.225	.113	.032	.216	.109	.031	.200	.103	.030	.185	.096	.028	.171	.090	.027		
7.0	.207	.102	.029	.199	.099	.028	.184	.093	.027	.170	.087	.025	.157	.082	.024		
8.0	.191	.094	.026	.184	.091	.026	.171	.085	.024	.158	.080	.023	.146	.075	.022		
9.0	.178	.086	.024	.172	.084	.023	.159	.079	.022	.147	.074	.021	.136	.069	.020		
10.0	.167	.080	.022	.160	.077	.022	.149	.073	.021	.138	.068	.019	.127	.064	.018		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.356	.356	.356	.304	.304	.304	.208	.208	.208	.119	.119	.119	.038	.038	.038	
1.0	.354	.322	.294	.303	.277	.253	.207	.190	.175	.119	.110	.102	.038	.035	.033	
2.0	.347	.300	.260	.298	.258	.224	.204	.179	.157	.118	.104	.092	.038	.034	.030	
3.0	.340	.284	.239	.291	.245	.207	.200	.170	.145	.116	.099	.085	.037	.032	.028	
4.0	.332	.271	.225	.285	.234	.195	.196	.163	.137	.113	.096	.081	.036	.031	.027	
5.0	.324	.262	.215	.279	.226	.187	.192	.158	.132	.111	.093	.078	.036	.030	.026	
6.0	.317	.254	.208	.272	.220	.181	.188	.154	.128	.109	.090	.076	.035	.030	.025	
7.0	.310	.247	.203	.266	.214	.177	.184	.150	.126	.107	.088	.075	.035	.029	.025	
8.0	.303	.242	.200	.261	.210	.174	.180	.147	.123	.105	.087	.074	.034	.028	.024	
9.0	.297	.237	.197	.255	.206	.171	.177	.145	.122	.103	.085	.073	.033	.028	.024	
10.0	.291	.233	.194	.251	.202	.169	.174	.142	.120	.101	.084	.072	.033	.028	.024	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature:25.3°C
 Operators:
 Test Date:2026-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:9.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.1	20.5	19.7	21.0	21.7	22.1	23.4	22.6	24.0	24.6
3H	20.6	21.9	21.2	22.5	23.1	25.1	26.3	25.7	26.9	27.6
4H	21.2	22.4	21.8	23.0	23.7	26.8	27.9	27.4	28.6	29.3
6H	21.6	22.8	22.3	23.4	24.1	28.6	29.7	29.3	30.4	31.1
8H	21.7	22.8	22.4	23.5	24.2	29.7	30.8	30.3	31.4	32.1
12H	21.8	22.8	22.4	23.5	24.2	30.9	31.9	31.5	32.6	33.3
4H 2H	20.6	21.8	21.2	22.4	23.1	22.6	23.8	23.2	24.4	25.1
3H	22.4	23.4	23.0	24.1	24.9	25.9	26.9	26.5	27.6	28.3
4H	23.2	24.2	23.9	24.9	25.6	27.8	28.7	28.4	29.4	30.2
6H	23.9	24.7	24.6	25.4	26.3	29.9	30.7	30.6	31.4	32.3
8H	24.1	24.9	24.8	25.6	26.5	31.1	31.9	31.8	32.6	33.4
12H	24.3	25.0	25.0	25.7	26.6	32.4	33.2	33.1	33.9	34.7
8H 4H	24.7	25.5	25.4	26.2	27.0	28.1	28.9	28.8	29.6	30.5
6H	25.8	26.5	26.6	27.2	28.1	30.6	31.2	31.3	32.0	32.9
8H	26.3	26.9	27.1	27.7	28.6	32.0	32.6	32.7	33.3	34.2
12H	26.7	27.2	27.5	28.0	28.9	33.6	34.1	34.4	34.9	35.8
12H 4H	25.2	26.0	25.9	26.7	27.5	28.1	28.9	28.9	29.6	30.5
6H	26.6	27.2	27.4	28.0	28.9	30.7	31.3	31.4	32.1	32.9
8H	27.3	27.9	28.1	28.7	29.6	32.2	32.8	33.0	33.5	34.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 1606 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.6$)
Area: 0.0278 m²

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:
Test Date:2026-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

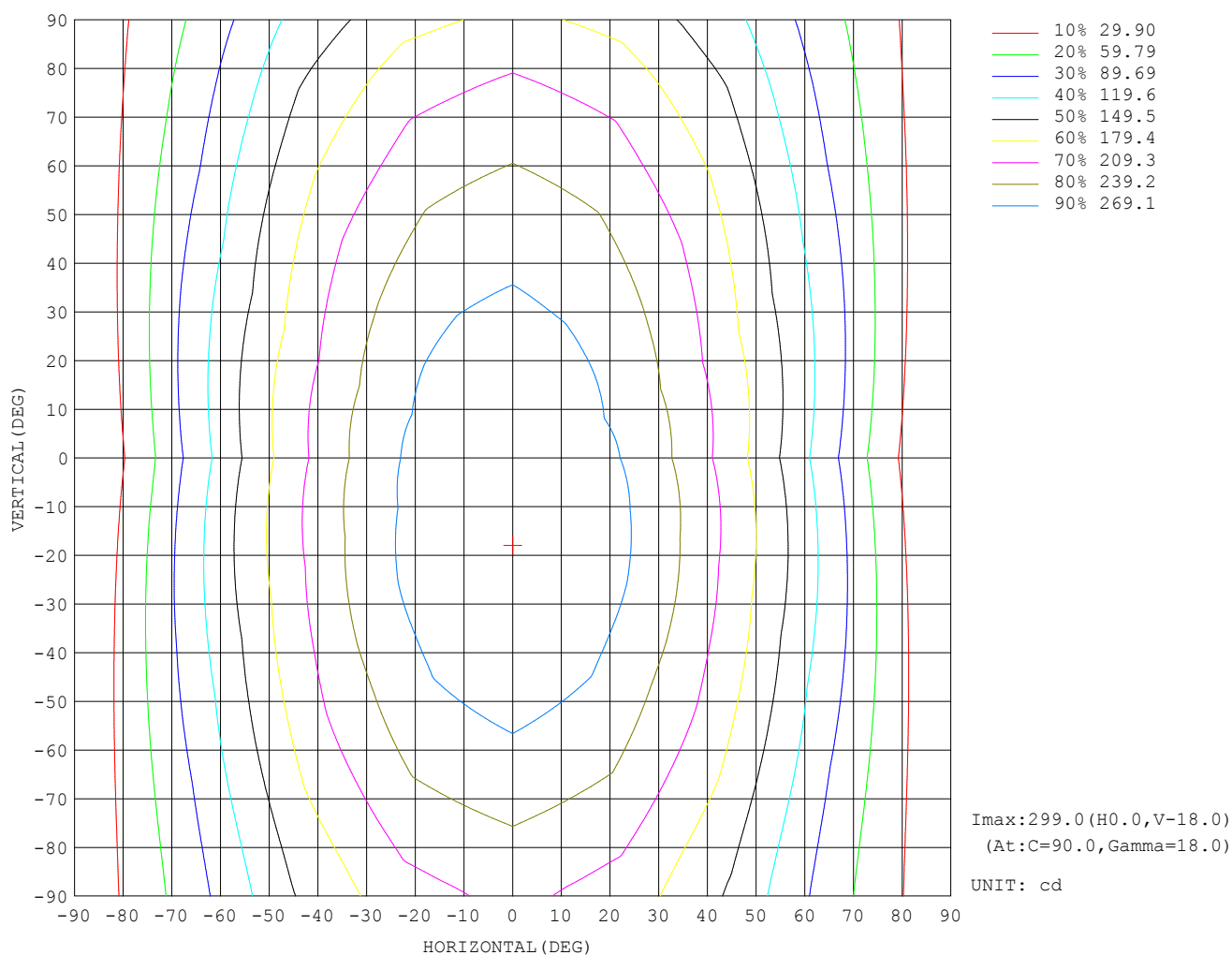
UTILIZATION FACTORS TABLE

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) $k(RI) \times RCR = 5$									
$k = 0.60$	45	33	25	44	32	25	42	31	25	18
0.80	54	41	32	53	40	32	50	39	31	23
1.00	62	48	40	60	47	39	56	48	38	29
1.25	69	55	46	66	54	46	62	51	44	34
1.50	74	61	52	71	59	51	66	56	49	38
2.00	81	69	61	78	67	59	72	63	56	44
2.50	86	75	66	82	72	65	76	67	61	48
3.00	90	80	72	86	77	69	79	71	65	51
4.00	95	86	79	90	83	76	83	77	71	56
5.00	98	90	84	93	87	81	85	80	75	59
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: 10.0deg/s
 Temperature: 25.3°C
 Operators:
 Test Date: 2026-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 9.000m [K=1.0000]
 Remarks:

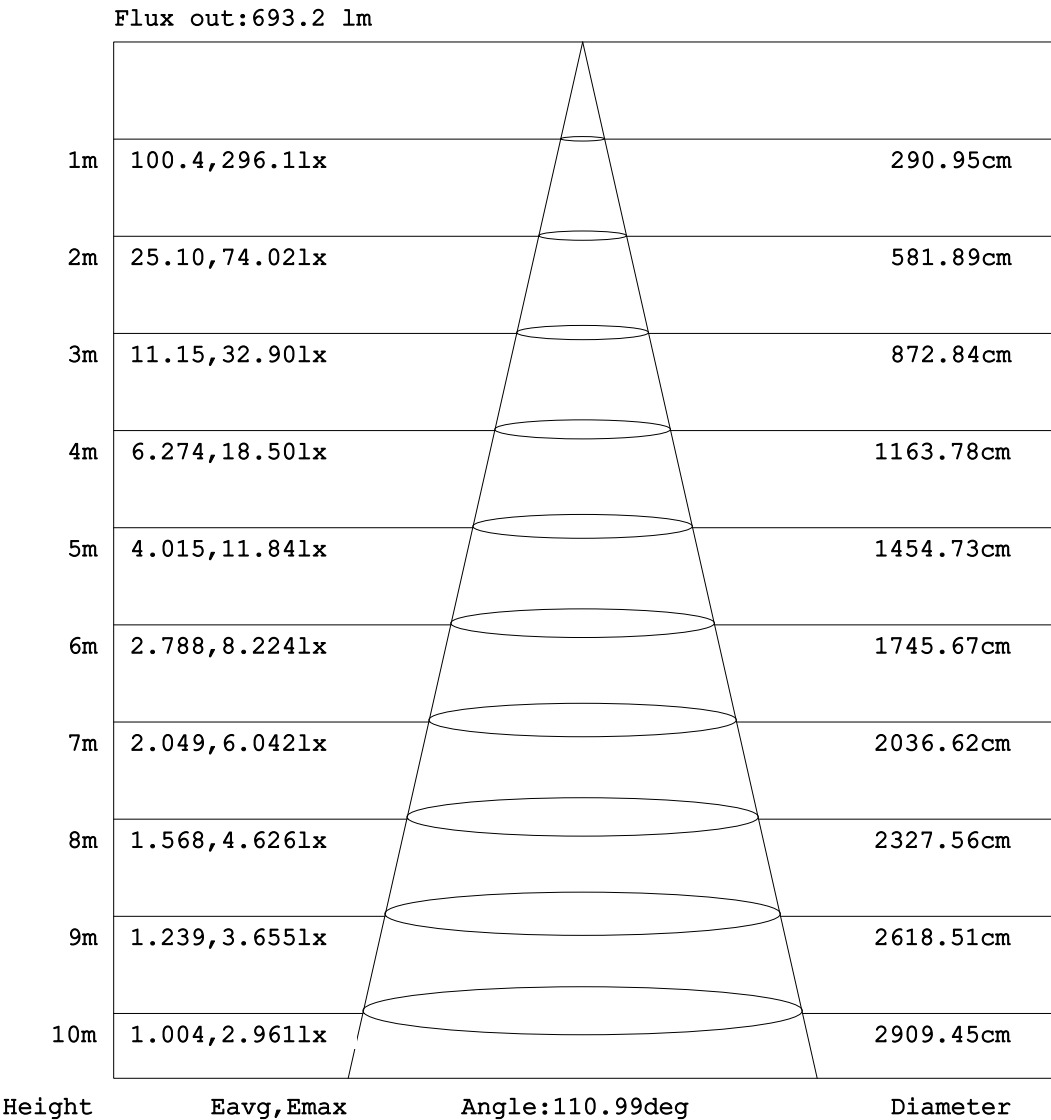
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2026-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

AAI Figure

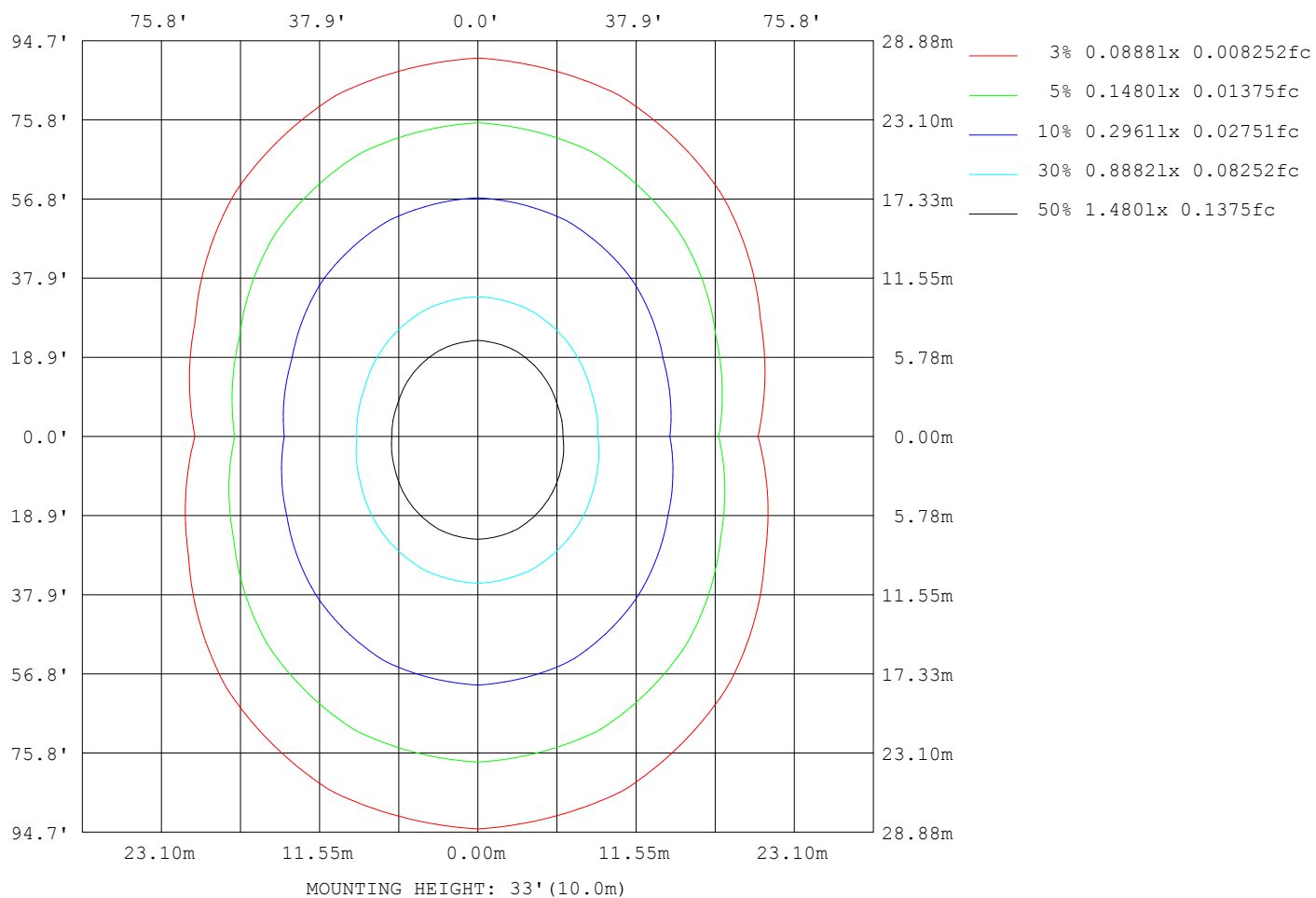


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.21V I:0.1332A P:16.670W PF:0.5437 Freq:50.00Hz Lamp Flux:1606.27x1 lm		
NAME: LED T8 TUBE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JIANG MEN MING WEI ELECTRIC CO.,LTD.	SUR.:	Shielding Angle:

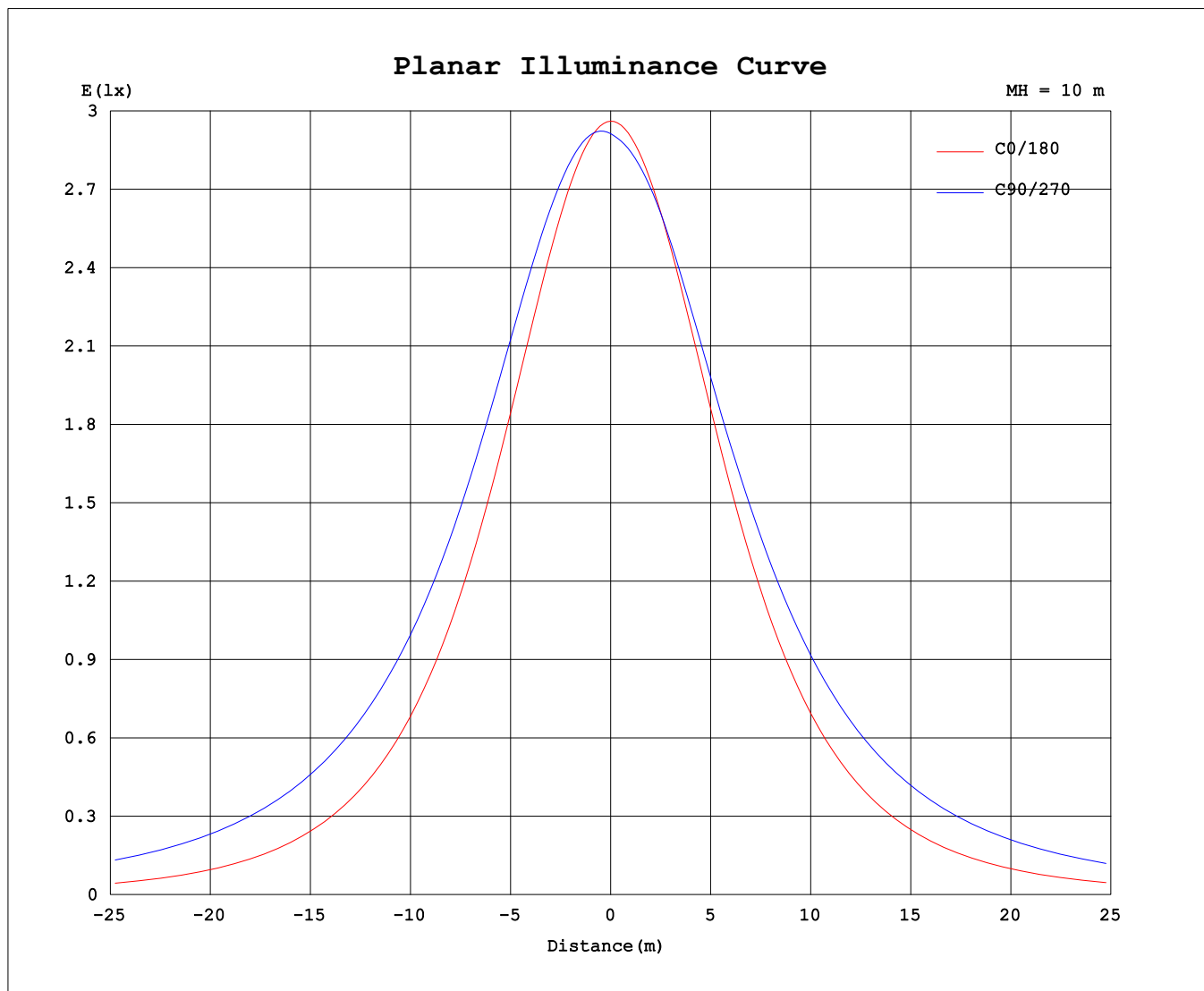
AvgL	cd/m2
L_0~180 (65) av	8612
L_0~180 (75) av	6961
L_0~180 (85) av	3917
L_90~270 (65) av	20841
L_90~270 (75) av	31765
L_90~270 (85) av	86580
L_45 (65) av	16254
L_45 (75) av	23271
L_45 (85) av	60290

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature: 25.3°C
Operators:
Test Date: 2026-04-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 9.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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	296	295	294	293	291	290	291	291	296	295	294	293	291	290	291	291			
5	294	295	296	296	295	294	293	291	295	293	292	290	289	288	288	289			
10	290	293	296	298	297	296	293	290	291	289	289	288	287	286	285	284			
15	283	288	294	298	299	296	292	286	285	282	284	285	285	283	281	278			
20	274	281	290	297	299	296	288	279	276	274	278	281	282	279	275	270			
25	262	272	284	294	298	294	283	270	264	264	271	277	278	274	267	260			
30	248	260	277	291	295	290	276	260	250	251	262	271	274	268	259	248			
35	231	247	268	285	291	285	268	247	234	237	252	265	270	263	249	234			
40	213	232	257	279	286	279	258	232	216	222	241	259	265	257	239	219			
45	193	215	246	272	281	272	247	216	197	205	231	252	259	250	229	202			
50	172	198	234	265	277	266	235	199	175	187	219	244	253	243	218	185			
55	149	179	221	258	271	259	223	181	152	169	208	236	247	235	206	167			
60	124	160	210	250	265	251	212	162	128	151	195	228	240	227	195	150			
65	99.3	140	197	242	257	243	200	143	103	133	183	219	233	219	183	133			
70	73.9	121	185	233	249	234	188	125	77.7	115	171	211	225	210	171	116			
75	49.1	103	173	223	240	225	177	108	51.1	96.9	160	202	217	201	160	98.7			
80	26.6	87.4	162	214	231	215	166	91.9	28.4	81.0	149	192	207	192	149	83.4			
85	8.83	74.8	152	205	223	207	156	79.4	10.2	68.6	138	181	197	181	138	71.5			
90	1.49	67.0	145	198	216	199	148	71.1	1.67	58.6	127	170	187	171	128	61.7			
95	1.42	64.3	140	192	210	193	144	68.4	1.34	32.1	107	160	178	163	121	56.7			
100	1.43	55.8	135	186	203	187	139	61.4	1.32	35.8	94.9	130	169	155	114	45.9			
105	1.51	37.4	125	177	194	179	130	42.5	1.41	19.0	85.4	121	149	143	97.1	25.2			
110	1.63	32.6	96.0	142	173	149	98.0	36.5	1.54	10.2	63.1	88.4	109	95.0	67.6	13.0			
115	1.74	22.1	88.6	123	154	125	94.0	27.6	1.67	6.82	51.6	84.0	111	86.3	54.7	7.46			
120	1.87	10.4	68.2	113	136	114	71.9	15.8	1.80	6.19	31.1	63.2	90.6	66.1	34.2	6.60			
125	1.98	6.13	53.3	94.6	117	96.1	56.4	6.59	1.93	5.81	12.5	46.6	65.1	48.2	14.1	6.05			
130	2.09	5.76	38.7	76.3	96.2	77.9	41.9	6.00	2.21	5.45	9.34	25.9	40.3	27.2	9.26	5.63			
135	2.19	5.35	23.1	60.1	76.1	62.2	26.3	5.07	2.40	5.27	8.68	10.8	14.4	10.2	8.63	5.34			
140	2.29	4.82	9.25	40.5	53.7	42.3	11.3	4.32	2.28	4.84	7.77	10.1	10.3	9.58	7.84	4.89			
145	2.46	4.30	7.50	18.7	30.0	20.6	5.96	3.85	2.38	4.55	6.12	9.06	9.63	8.87	7.14	4.63			
150	2.50	3.82	6.69	8.53	9.92	8.66	5.13	3.45	2.48	4.26	5.60	8.20	8.70	8.08	6.58	4.40			
155	2.61	3.23	5.72	7.26	7.67	7.27	4.43	3.07	2.57	4.12	5.13	5.55	7.75	7.22	6.10	4.17			
160	2.71	2.74	4.81	5.97	6.35	4.27	3.80	2.83	2.67	4.07	4.66	4.98	6.77	6.35	5.46	3.86			
165	2.79	2.75	3.67	4.67	4.92	3.56	3.87	2.66	2.76	3.84	4.86	4.41	5.70	5.39	4.66	3.54			
170	2.86	2.78	2.77	3.19	3.44	2.84	2.77	2.70	2.84	3.45	4.20	3.80	4.65	4.42	3.93	3.06			
175	2.84	2.79	2.78	2.75	2.71	2.69	2.68	2.68	2.81	2.90	3.33	3.57	3.21	3.38	3.01	2.69			
180	2.83	2.78	2.79	2.77	2.74	2.70	2.69	2.69	2.84	2.78	2.79	2.75	2.75	2.70	2.69	2.69			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3℃
Operators:
Test Date:2026-04-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-3000H_V1 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:9.000m [K=1.0000]
Remarks: