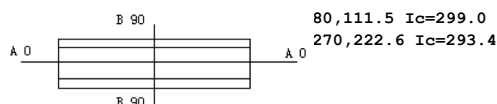
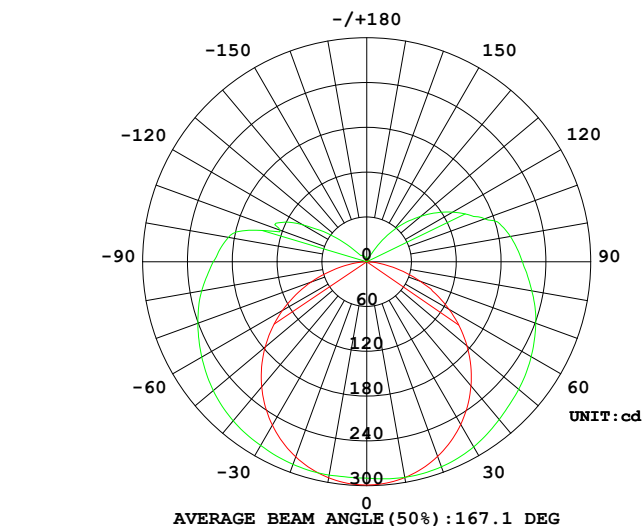


LUMINAIRE PHOTOMETRIC TEST REPORT

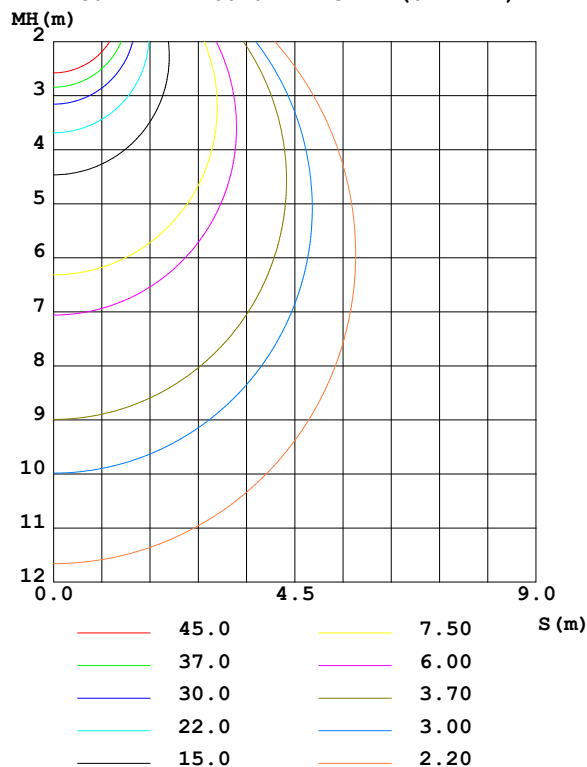
Test:U:230.23V I:0.1367A P:17.133W PF:0.5445 Freq:50.00Hz Lamp Flux:1630.05x1 lm		
NAME: LED T8 TUBE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JIANG MEN MING WEI ELECTRIC CO.,LTD.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.14 lm/W
MODEL	081200265	I _{max} (cd)	299.0	S/MH (C0/180)	1.26	
NOMINAL POWER(W)	--	LOR (%)	100.0	S/MH (C90/270)	1.49	
RATED VOLTAGE (V)	--	TOTAL FLUX (lm)	1630.1	η UP,DN (C0-180)	12.5,39.0	
NOMINAL FLUX (lm)	1630.05	CIE CLASS	SEMI-D.	η UP,DN (C180-360)	9.5,39.0	
LAMPS INSIDE	1	η up (%)	22.0	CIBSE SHR NOM	1.50	
TEST VOLTAGE (V)	--	η down (%)	78.0	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	293.5	293.6	293.1	289.3	293.8	290.3	290.1	286.8	0~ 10	27.84	27.84	1.71,1.71
20	277.5	286.4	292.3	282.8	278.1	283.1	288.7	280.0	10~ 20	81.37	109.2	6.7,6.7
30	251.7	272.3	286.3	269.5	252.8	269.4	284.1	266.6	20~ 30	127.7	236.9	14.5,14.5
40	217.2	252.1	275.8	250.3	218.9	251.1	278.2	249.1	30~ 40	162.6	399.6	24.5,24.5
50	175.2	227.5	265.7	226.6	177.6	230.8	268.3	229.4	40~ 50	183.6	583.2	35.8,35.8
60	127.3	203.6	254.3	203.8	130.3	207.4	255.2	206.7	50~ 60	190.3	773.5	47.5,47.5
70	75.76	180.3	240.8	181.5	79.09	182.2	240.7	182.3	60~ 70	183.9	957.4	58.7,58.7
80	27.21	158.8	224.5	160.7	28.97	160.0	224.5	160.9	70~ 80	167.5	1125	69,69
90	1.592	141.4	208.5	143.2	1.702	139.3	205.5	141.0	80~ 90	146.9	1272	78,78
100	1.459	130.8	195.4	132.8	1.375	107.5	188.2	127.9	90~100	128.9	1401	85.9,85.9
110	1.670	94.97	168.1	94.65	1.595	70.85	123.4	74.52	100~110	101.1	1502	92.1,92.1
120	1.909	67.61	133.0	70.54	1.869	32.36	99.37	35.02	110~120	64.92	1567	96.1,96.1
130	2.125	39.63	95.10	41.87	2.280	10.51	40.92	10.17	120~130	36.36	1603	98.3,98.3
140	2.325	10.06	54.25	12.04	2.348	8.652	11.28	8.571	130~140	16.62	1620	99.4,99.4
150	2.528	6.878	10.69	5.388	2.547	6.166	9.648	7.153	140~150	6.368	1626	99.7,99.7
160	2.750	4.932	6.489	3.956	2.740	5.006	7.406	5.808	150~160	2.590	1629	99.9,99.9
170	2.903	2.815	3.466	2.782	2.916	4.361	4.885	4.022	160~170	1.189	1630	100,100
180	2.880	2.808	2.742	2.701	2.908	2.816	2.758	2.699	170~180	0.2975	1630	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 489.63 lm

%lum = 30.0%

%lamp = 30.0%

Conical surface Flux(120deg): 773.5 lm

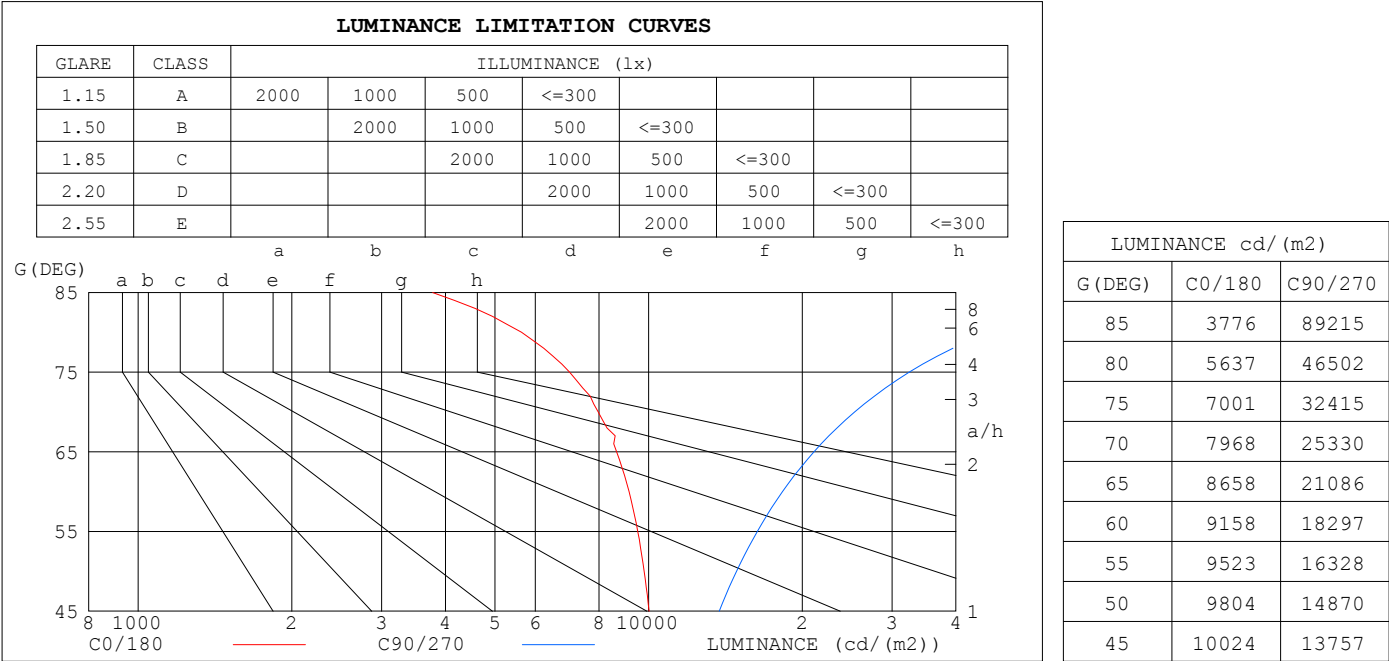
%lum = 47.5%

%lamp = 47.5%

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

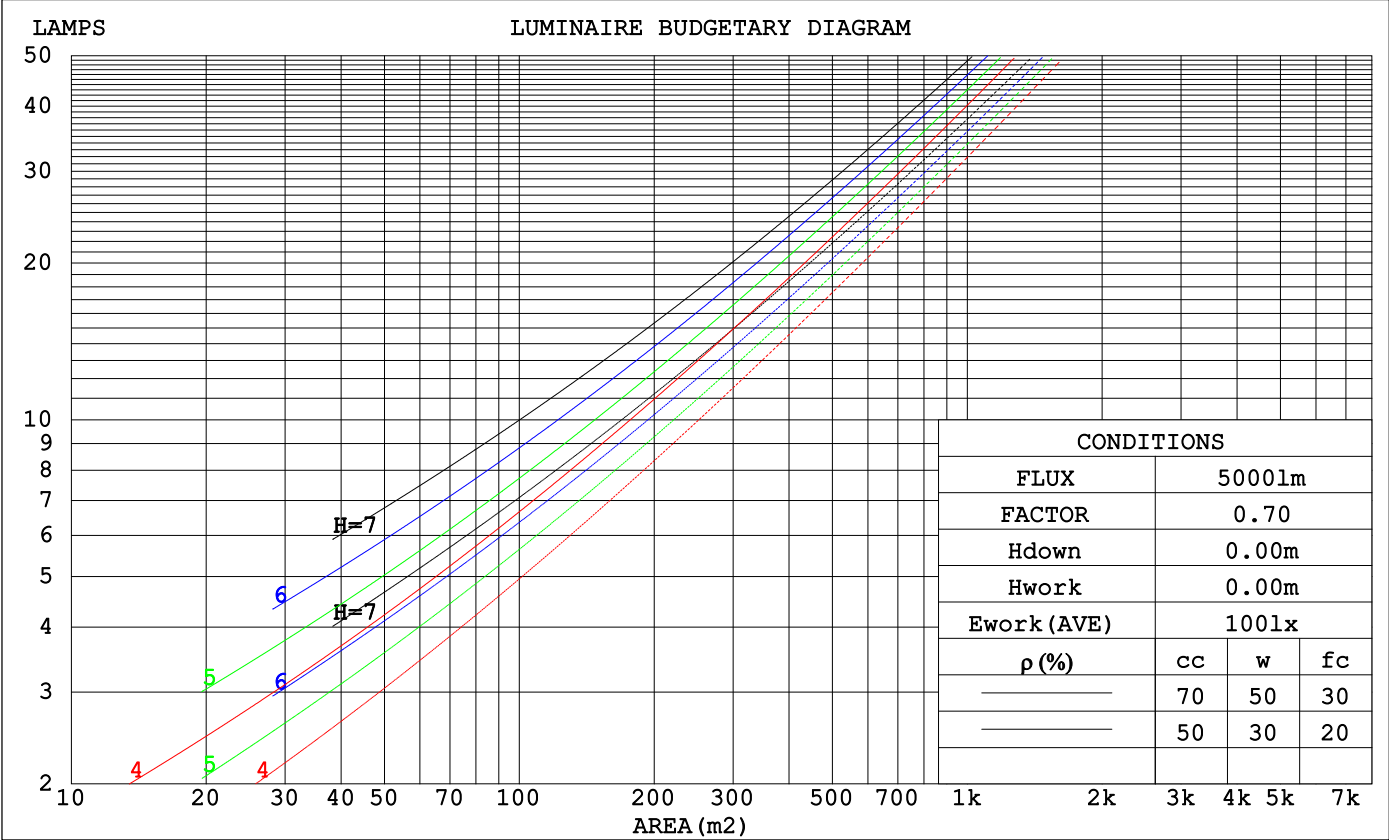


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: 10.0deg/s
Temperature:25.3°C
Operators:
Test Date:2026-04-10

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	.79	.81	.77	.73	.73	.70	.67	.66	.63	.61	.57
2.0	.80	.71	.65	.76	.68	.62	.68	.62	.57	.62	.57	.53	.56	.52	.48	.45
3.0	.69	.59	.52	.65	.57	.50	.59	.52	.46	.53	.48	.43	.48	.43	.39	.36
4.0	.60	.50	.43	.57	.48	.42	.52	.44	.39	.47	.41	.36	.42	.37	.33	.30
5.0	.53	.44	.36	.51	.42	.35	.46	.39	.33	.42	.35	.30	.38	.32	.28	.25
6.0	.48	.38	.31	.45	.37	.30	.41	.34	.28	.38	.31	.26	.34	.29	.24	.22
7.0	.43	.34	.27	.41	.32	.26	.37	.30	.25	.34	.28	.23	.31	.25	.21	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.31	.25	.20	.28	.23	.19	.17
9.0	.35	.27	.21	.34	.26	.21	.31	.24	.19	.29	.23	.18	.26	.21	.17	.15
10.0	.33	.24	.19	.31	.24	.19	.29	.22	.17	.26	.21	.16	.24	.19	.15	.13



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:

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	.407	.231	.073	.393	.224	.071	.367	.210	.067	.343	.198	.063	.320	.186	.060		
2.0	.346	.190	.058	.333	.184	.057	.309	.172	.053	.288	.161	.050	.267	.151	.048		
3.0	.304	.162	.048	.293	.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	.126	.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	.192	.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	.078	.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	.358	.358	.358	.306	.306	.306	.209	.209	.209	.120	.120	.120	.038	.038	.038	
1.0	.356	.324	.296	.305	.278	.254	.208	.191	.176	.120	.111	.102	.038	.036	.033	
2.0	.349	.302	.261	.299	.260	.226	.205	.180	.158	.118	.105	.092	.038	.034	.030	
3.0	.342	.285	.240	.293	.246	.208	.201	.171	.146	.116	.100	.086	.037	.032	.028	
4.0	.334	.273	.227	.287	.236	.197	.197	.164	.139	.114	.096	.082	.037	.031	.027	
5.0	.326	.263	.217	.280	.228	.189	.193	.159	.133	.112	.094	.079	.036	.031	.026	
6.0	.319	.256	.210	.274	.221	.183	.189	.155	.130	.110	.091	.077	.035	.030	.025	
7.0	.312	.249	.205	.268	.216	.179	.185	.151	.127	.108	.089	.075	.035	.029	.025	
8.0	.305	.244	.201	.263	.211	.176	.182	.148	.125	.106	.088	.074	.034	.029	.025	
9.0	.299	.239	.199	.257	.207	.173	.178	.146	.123	.104	.086	.073	.034	.028	.024	
10.0	.293	.235	.196	.252	.204	.171	.175	.143	.122	.102	.085	.073	.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	19.0	20.4	19.6	20.9	21.6	21.8	23.1	22.3	23.7	24.3
3H	20.5	21.8	21.1	22.4	23.1	24.8	26.0	25.4	26.6	27.3
4H	21.1	22.3	21.7	22.9	23.7	26.5	27.7	27.1	28.3	29.0
6H	21.6	22.7	22.2	23.3	24.0	28.4	29.5	29.0	30.1	30.8
8H	21.7	22.8	22.3	23.4	24.2	29.4	30.5	30.0	31.1	31.9
12H	21.7	22.8	22.4	23.4	24.2	30.6	31.7	31.3	32.3	33.1
4H 2H	20.4	21.6	21.0	22.2	22.9	22.3	23.5	22.9	24.1	24.8
3H	22.2	23.3	22.9	23.9	24.7	25.6	26.7	26.3	27.3	28.1
4H	23.1	24.0	23.7	24.7	25.5	27.5	28.5	28.2	29.1	29.9
6H	23.7	24.6	24.4	25.3	26.1	29.6	30.5	30.3	31.2	32.0
8H	24.0	24.8	24.7	25.5	26.3	30.8	31.6	31.5	32.3	33.2
12H	24.1	24.9	24.8	25.6	26.5	32.1	32.9	32.9	33.6	34.5
8H 4H	24.5	25.3	25.2	26.0	26.9	27.9	28.7	28.6	29.4	30.2
6H	25.6	26.3	26.4	27.1	28.0	30.3	31.0	31.0	31.7	32.6
8H	26.1	26.8	26.9	27.5	28.4	31.7	32.3	32.5	33.1	34.0
12H	26.5	27.1	27.3	27.9	28.8	33.3	33.9	34.1	34.7	35.6
12H 4H	25.0	25.8	25.7	26.5	27.3	27.9	28.6	28.6	29.4	30.2
6H	26.4	27.1	27.2	27.8	28.7	30.4	31.1	31.2	31.8	32.7
8H	27.2	27.7	27.9	28.5	29.4	32.0	32.5	32.7	33.3	34.2
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 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 1630 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.7$)
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:

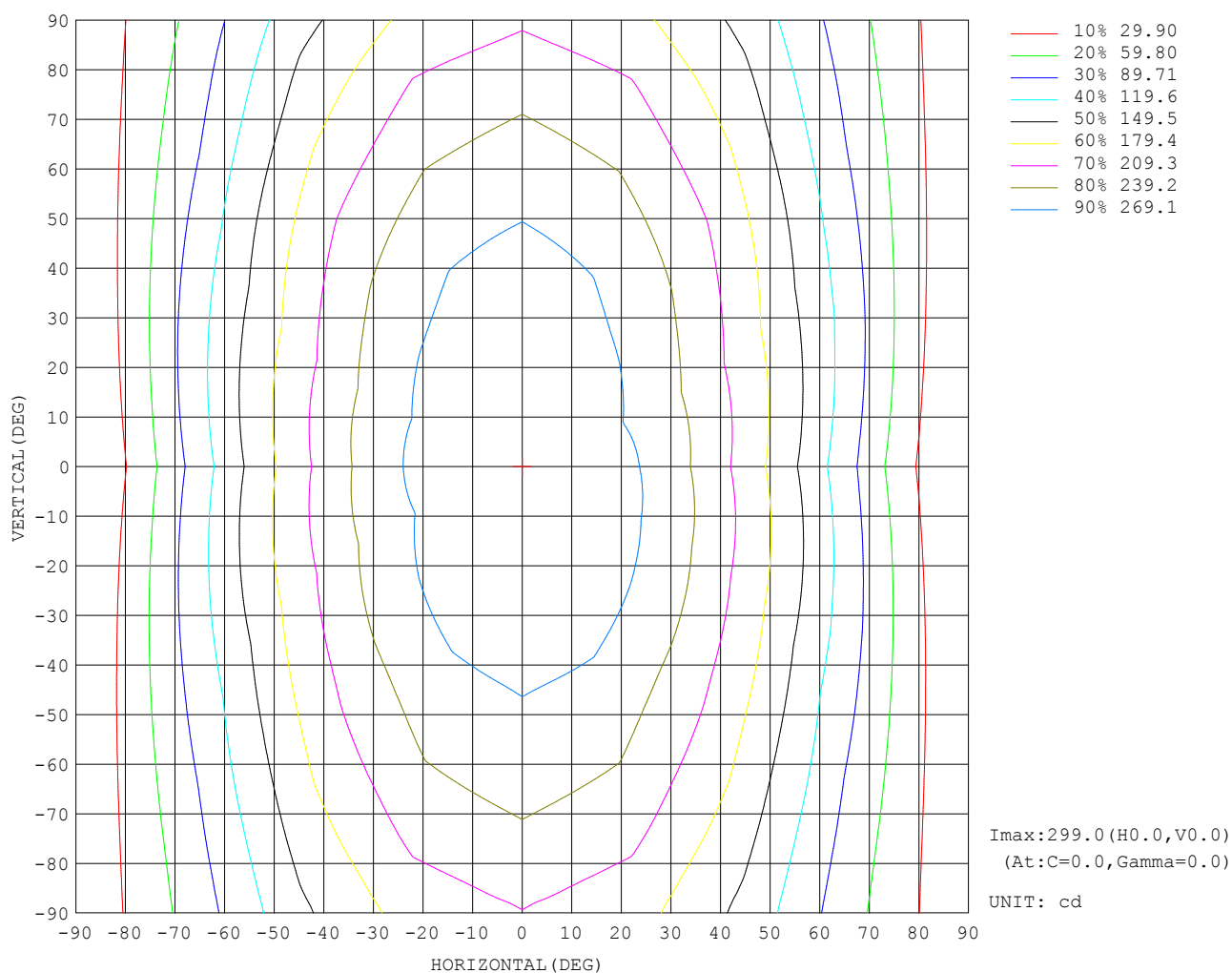
UTILIZATION FACTORS TABLE

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	32	25	44	32	25	42	31	24	18
0.80	54	41	32	52	40	32	49	38	31	23
1.00	62	48	39	60	47	39	56	47	38	29
1.25	68	55	46	66	54	45	61	51	44	34
1.50	74	61	52	71	59	50	66	56	48	37
2.00	81	69	60	78	67	59	72	63	56	43
2.50	86	75	66	82	72	64	75	67	61	47
3.00	90	79	71	86	77	69	78	71	65	51
4.00	94	86	79	90	82	76	83	76	71	55
5.00	98	90	84	93	86	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:

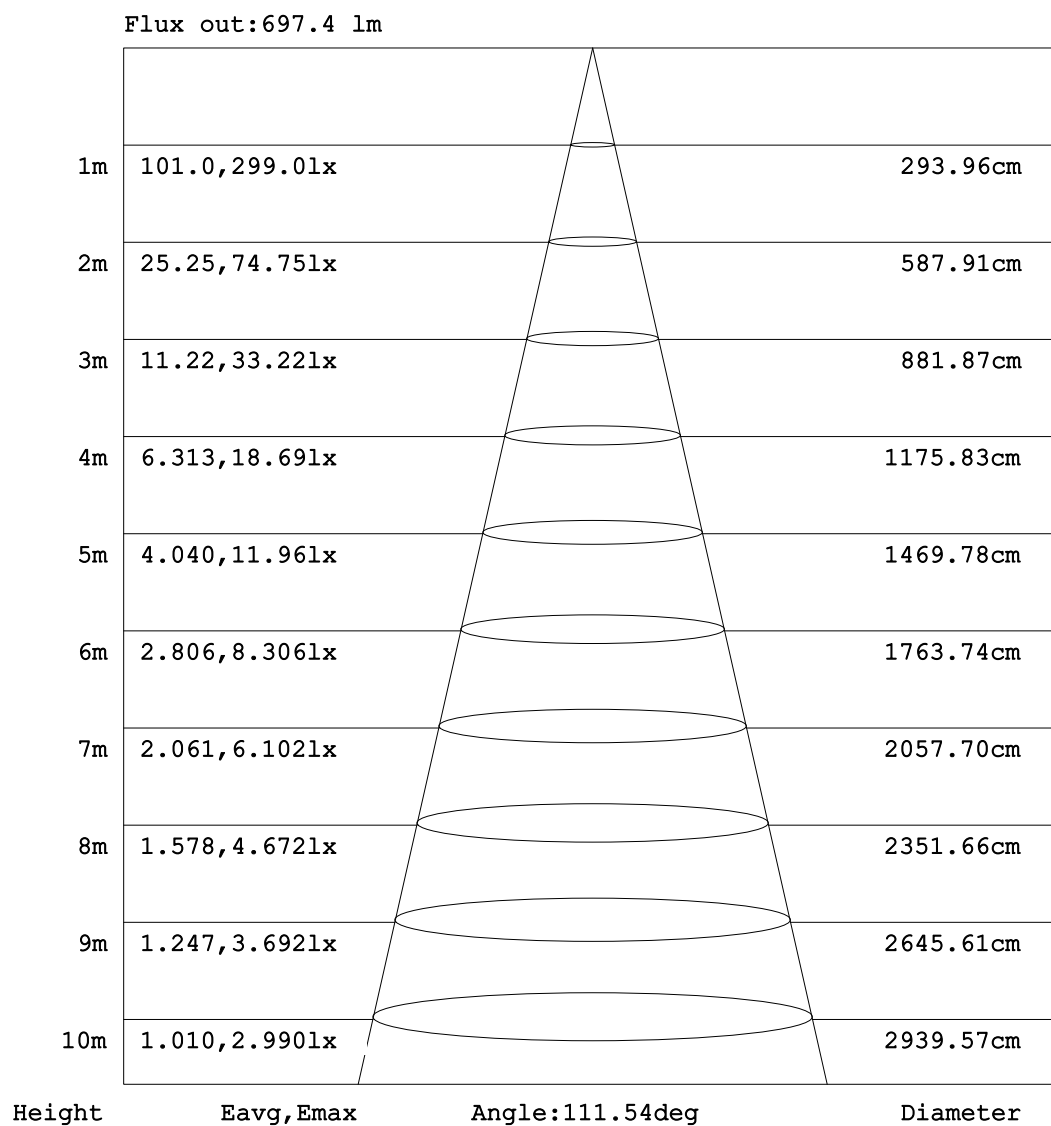
ISOCANDELA DIAGRAM



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

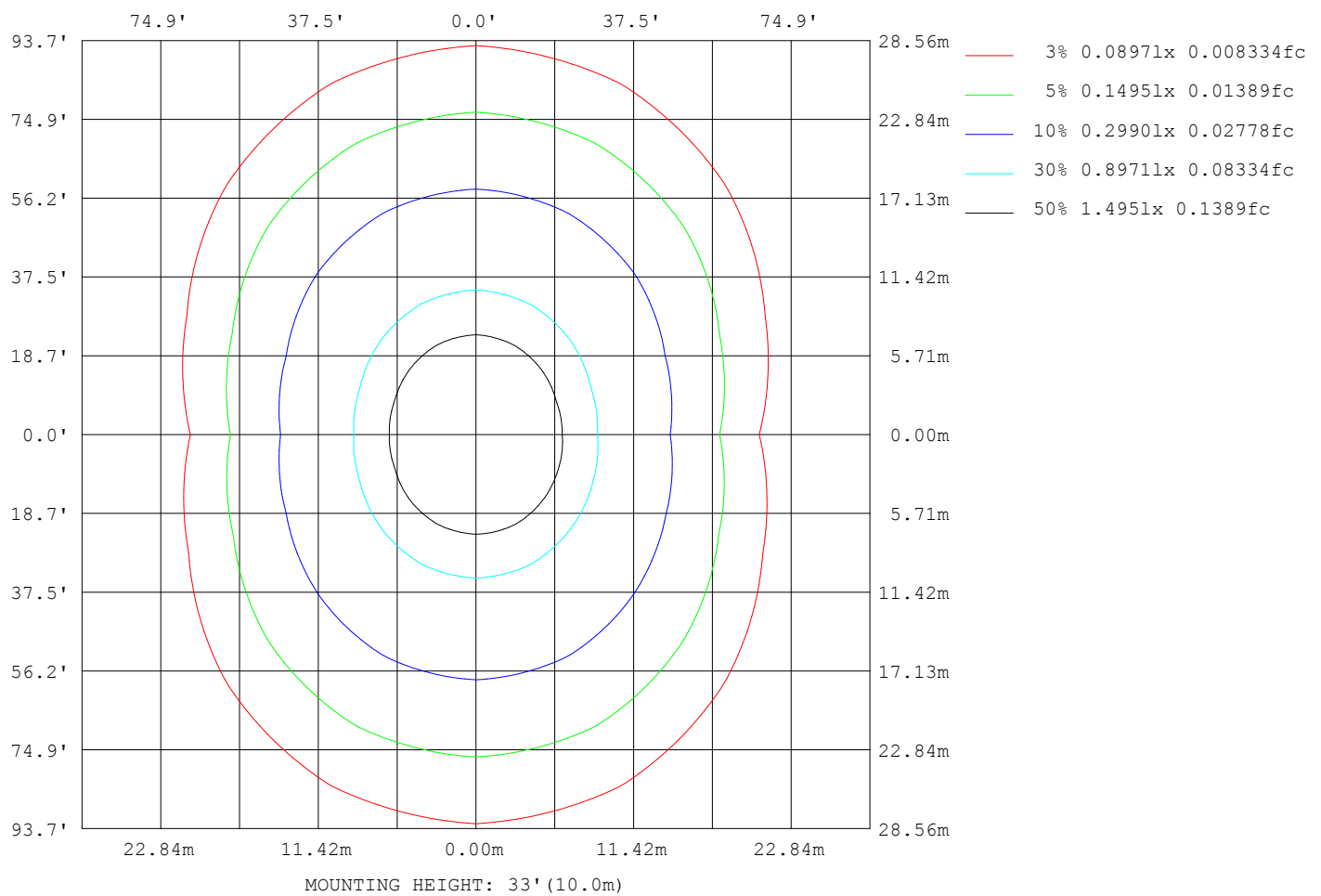


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: 10.0deg/s
 Temperature: 25.3°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:

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:230.23V I:0.1367A P:17.133W PF:0.5445 Freq:50.00Hz Lamp Flux:1630.05x1 lm		
NAME: LED T8 TUBE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: JIANG MEN MING WEI ELECTRIC CO.,LTD.	SUR.:	Shielding Angle:

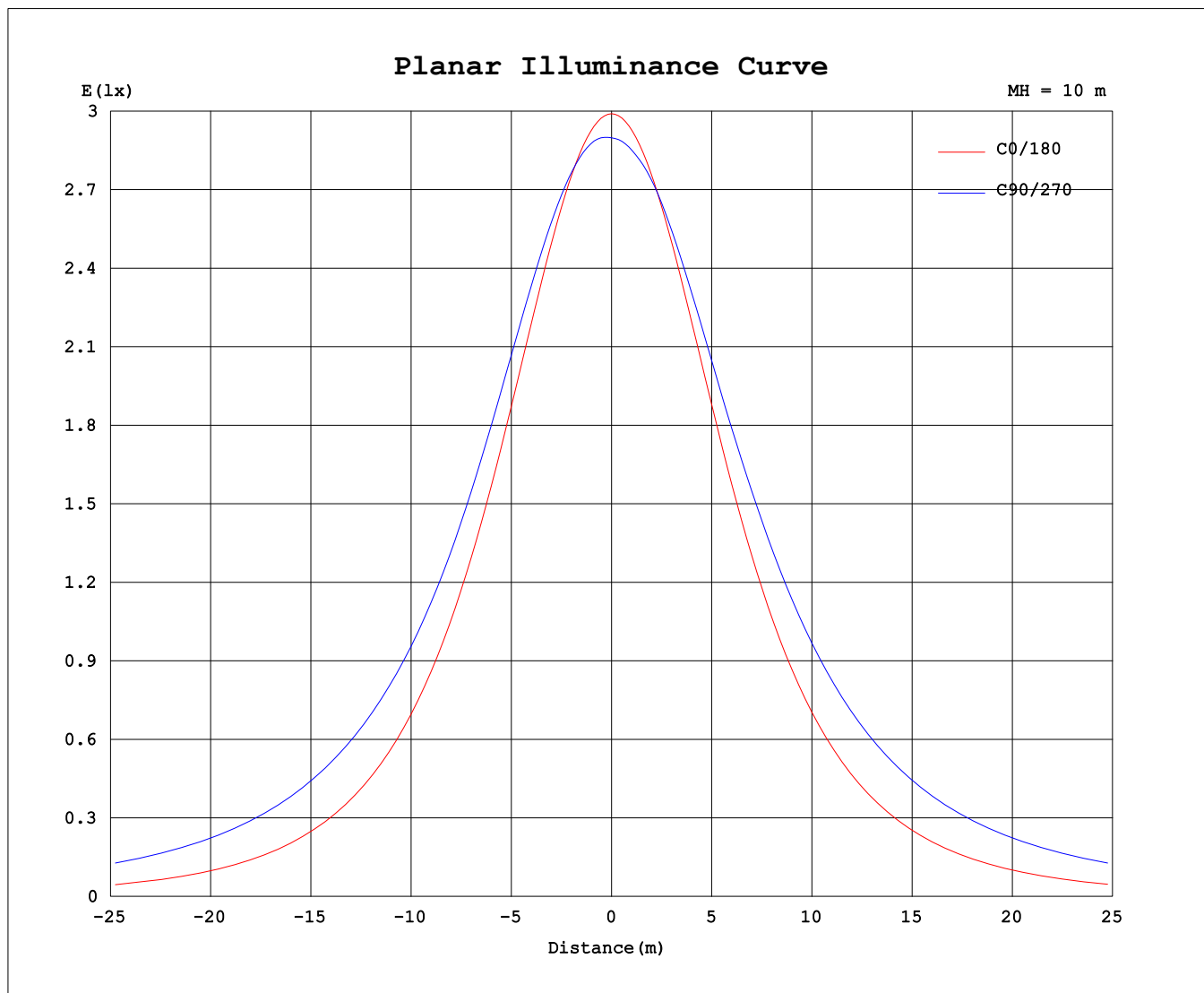
AvgL	cd/m2
L_0~180(65)av	8794
L_0~180(75)av	7126
L_0~180(85)av	4037
L_90~270(65)av	21096
L_90~270(75)av	32401
L_90~270(85)av	88899
L_45(65)av	16465
L_45(75)av	23692
L_45(85)av	61944

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	299	296	294	292	290	289	289	290	299	296	294	292	290	289	289	290			
5	298	296	295	294	292	291	290	289	298	294	292	291	290	288	289	288			
10	294	293	294	294	293	291	289	287	294	291	290	291	290	289	287	285			
15	287	288	291	294	293	291	287	282	287	285	288	290	290	288	284	280			
20	277	281	286	292	292	289	283	275	278	277	283	288	289	285	280	273			
25	266	272	280	288	290	286	277	266	267	267	277	284	287	282	274	264			
30	252	260	272	283	286	281	269	255	253	256	269	280	284	278	267	252			
35	235	246	263	277	281	275	261	242	237	243	261	276	282	274	258	239			
40	217	231	252	270	276	269	250	228	219	228	251	271	278	270	249	225			
45	197	215	240	263	270	261	239	212	199	212	241	265	274	264	240	209			
50	175	197	227	256	266	255	227	195	178	194	231	258	268	257	229	192			
55	152	178	215	249	260	248	215	177	155	176	220	251	262	250	218	175			
60	127	158	204	242	254	241	204	158	130	158	207	242	255	241	207	158			
65	102	138	192	234	248	233	193	138	105	141	195	234	248	233	194	141			
70	75.8	119	180	226	241	225	181	120	79.1	122	182	225	241	225	182	123			
75	50.4	101	169	217	233	217	171	104	52.2	104	171	217	233	216	171	105			
80	27.2	86.0	159	208	224	208	161	88.7	29.0	86.6	160	208	224	207	161	88.9			
85	9.15	73.9	149	200	216	200	151	76.9	10.4	74.1	150	198	215	197	150	77.0			
90	1.59	65.8	141	192	209	192	143	68.6	1.70	64.6	139	188	206	188	141	67.8			
95	1.46	62.7	136	186	202	186	138	65.3	1.40	38.0	112	178	197	181	134	63.4			
100	1.46	55.0	131	179	195	179	133	59.2	1.37	40.1	107	144	188	173	128	50.8			
105	1.55	37.7	122	172	187	172	125	41.1	1.47	21.0	95.3	137	163	159	107	26.8			
110	1.67	32.7	95.0	139	168	144	94.7	35.5	1.59	10.6	70.8	98.1	123	103	74.5	13.0			
115	1.79	22.8	87.5	121	150	121	91.3	27.4	1.73	7.74	56.6	93.9	125	96.0	59.3	8.10			
120	1.91	11.2	67.6	111	133	111	70.5	16.3	1.87	6.98	32.4	68.3	99.4	71.1	35.0	7.14			
125	2.02	6.21	53.5	93.5	115	94.1	55.4	6.82	1.99	6.51	12.9	49.3	70.4	50.5	13.8	6.46			
130	2.12	5.93	39.6	75.8	95.1	76.8	41.9	6.04	2.28	6.07	10.5	25.8	40.9	27.0	10.2	6.00			
135	2.23	5.51	24.4	60.2	75.6	61.8	26.9	5.22	2.47	5.80	9.69	12.1	14.1	11.3	9.42	5.63			
140	2.33	4.95	10.1	41.5	54.3	43.0	12.0	4.48	2.35	5.29	8.65	11.3	11.3	10.5	8.57	5.13			
145	2.49	4.42	7.72	20.1	31.4	22.0	6.23	3.99	2.45	4.92	6.79	10.1	10.6	9.70	7.79	4.89			
150	2.53	3.90	6.88	8.74	10.7	8.80	5.39	3.57	2.55	4.57	6.17	9.12	9.65	8.86	7.15	4.59			
155	2.65	3.28	5.86	7.44	7.87	7.39	4.64	3.16	2.64	4.37	5.59	6.11	8.56	7.92	6.56	4.31			
160	2.75	2.78	4.93	6.11	6.49	4.50	3.96	2.84	2.74	4.27	5.01	5.43	7.41	6.90	5.81	3.94			
165	2.84	2.79	3.72	4.75	5.01	3.71	3.91	2.69	2.83	3.97	5.15	4.73	6.12	5.75	4.89	3.56			
170	2.90	2.83	2.81	3.20	3.47	2.88	2.78	2.72	2.92	3.49	4.36	3.99	4.89	4.59	4.02	3.01			
175	2.89	2.84	2.81	2.78	2.72	2.70	2.70	2.69	2.88	2.89	3.33	3.62	3.28	3.38	2.96	2.69			
180	2.88	2.82	2.81	2.79	2.74	2.70	2.70	2.70	2.91	2.81	2.82	2.77	2.76	2.70	2.70	2.70			

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: