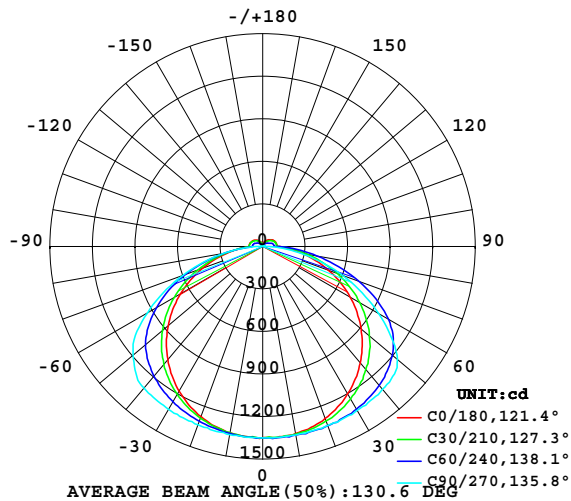


**LUMINAIRE PHOTOMETRIC TEST REPORT**

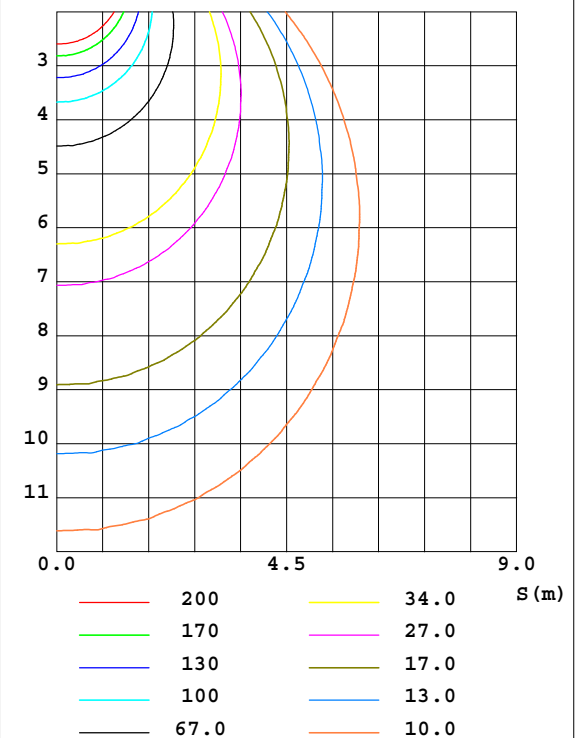
Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 112.98 lm/W			
MODEL		I <sub>max</sub> (cd)	1357	S/MH (C0/180)	1.32
NOMINAL POWER (W)	46	LOR (%)	100.0	S/MH (C90/270)	1.51
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	5267.6	η UP, DN (C0-180)	3.3, 46.7
NOMINAL FLUX (lm)	5267.59	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.3, 46.8
LAMPS INSIDE	1	η up (%)	6.5	CIBSE SHR NOM	1.50
TEST VOLTAGE (V)	229.6	η down (%)	93.5	CIBSE SHR MAX	1.55

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**C0 PLANE ISOLUX DIAGRAM (UNIT: lx)**



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Mr. Ma**  
**Test Date: 2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity: 65.0%**  
**Test Distance: 7.000m [K=1.0000]**  
**Remarks:**

**ZONAL FLUX DIAGRAM**

**ZONAL FLUX DIAGRAM:**

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1338	1348	1350	1330	1333	1337	1347	1344	0- 10	128.4	128.4	2.44,2.44
20	1290	1327	1344	1290	1276	1300	1339	1328	10- 20	376.1	504.5	9.58,9.58
30	1199	1283	1334	1223	1179	1236	1327	1284	20- 30	594.9	1099	20.9,20.9
40	1071	1206	1316	1124	1042	1140	1304	1210	30- 40	764.4	1864	35.4,35.4
50	907.4	1089	1240	982.0	871.3	1002	1193	1096	40- 50	862.2	2726	51.8,51.8
60	713.2	907.4	944.4	777.5	671.3	793.8	940.0	911.7	50- 60	849.2	3575	67.9,67.9
70	496.5	641.7	602.0	507.0	453.2	534.9	601.5	661.0	60- 70	700.0	4275	81.2,81.2
80	282.8	354.7	267.2	235.9	242.6	262.5	270.4	377.6	70- 80	454.0	4729	89.8,89.8
90	110.5	114.4	16.46	86.09	97.37	85.84	15.16	130.2	80- 90	193.9	4923	93.5,93.5
100	101.7	89.32	16.64	82.10	95.10	82.66	15.23	88.40	90-100	85.80	5009	95.1,95.1
110	96.30	80.09	16.56	72.85	90.01	75.45	15.55	80.86	100-110	77.51	5086	96.6,96.6
120	87.97	64.81	16.06	61.05	82.13	63.26	15.23	66.04	110-120	64.12	5151	97.8,97.8
130	76.12	51.90	6.396	49.20	71.68	51.17	6.754	52.99	120-130	48.36	5199	98.7,98.7
140	62.51	37.99	7.243	36.78	58.53	38.70	7.591	38.86	130-140	32.74	5232	99.3,99.3
150	47.27	27.39	8.023	25.46	41.57	27.19	8.286	28.27	140-150	19.95	5252	99.7,99.7
160	31.76	19.47	8.800	15.73	28.48	17.19	8.898	20.40	150-160	10.60	5262	99.9,99.9
170	17.45	13.28	9.399	9.264	15.06	10.08	9.455	14.04	160-170	4.384	5267	100,100
180	8.975	8.797	9.742	9.009	8.988	8.542	9.858	8.993	170-180	1.007	5268	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

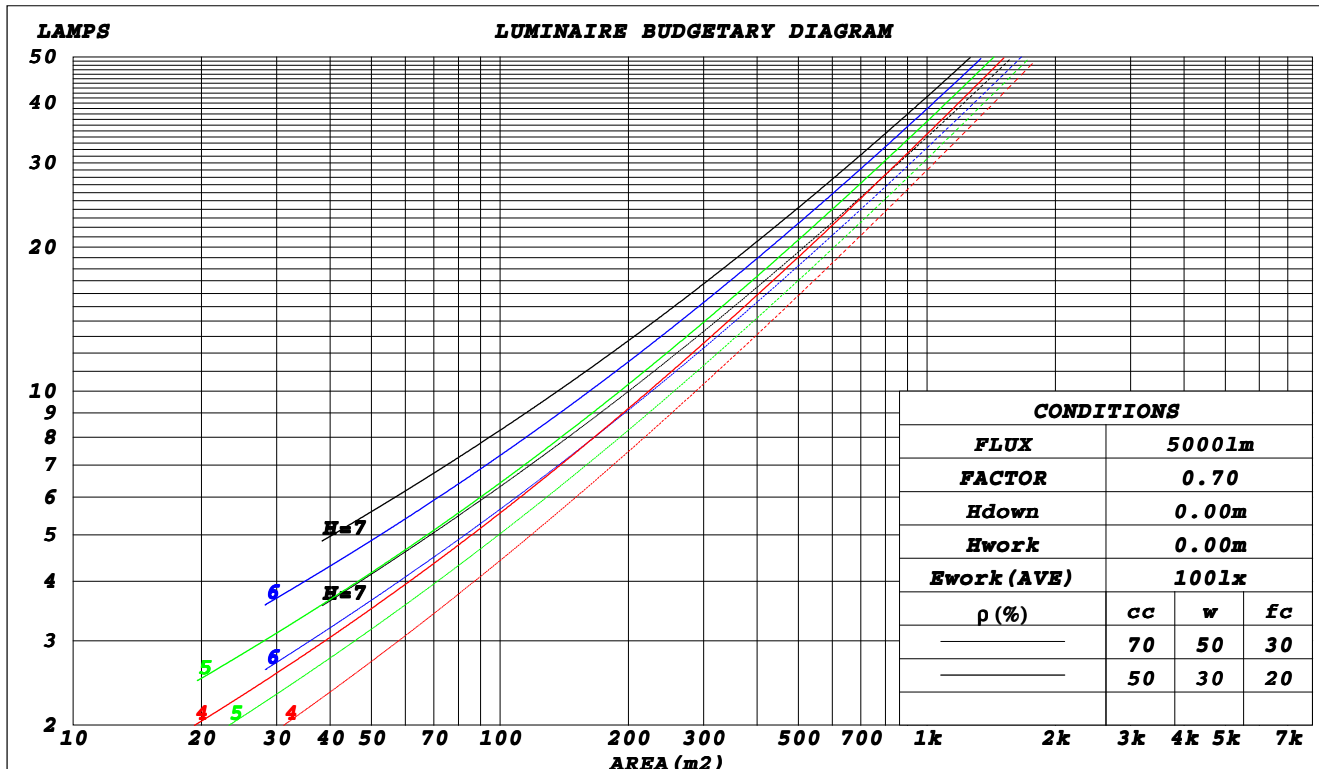
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity:65.0%**  
**Test Distance:7.000m [K=1.0000]**  
**Remarks:**

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.02	1.02	1.02	.96	.96	.96	.93
1.0	1.00	.96	.91	.98	.93	.89	.92	.88	.85	.87	.84	.81	.82	.80	.78	.75
2.0	.86	.79	.73	.84	.77	.71	.79	.74	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.57	.65	.60	.55	.62	.57	.53	.50
4.0	.66	.57	.50	.64	.55	.49	.61	.53	.47	.58	.51	.46	.55	.49	.45	.42
5.0	.58	.49	.42	.57	.48	.42	.54	.46	.40	.51	.45	.39	.49	.43	.38	.36
6.0	.52	.43	.36	.51	.42	.36	.48	.41	.35	.46	.39	.34	.44	.38	.33	.31
7.0	.47	.38	.32	.46	.37	.31	.44	.36	.31	.42	.35	.30	.40	.34	.29	.27
8.0	.43	.34	.28	.42	.34	.28	.40	.32	.27	.38	.31	.27	.37	.30	.26	.24
9.0	.39	.31	.25	.38	.30	.25	.37	.29	.24	.35	.28	.24	.34	.28	.23	.21
10.0	.36	.28	.22	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.25	.21	.19



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Mr.Ma  
Test Date: 2023-03-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263  
Humidity: 65.0%  
Test Distance: 7.000m [K=1.0000]  
Remarks:

**WEC AND CCEC**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.345	.196	.062	.335	.191	.061	.318	.183	.058	.303	.175	.056	.288	.167	.054		
2.0	.315	.173	.053	.307	.169	.052	.292	.162	.050	.277	.156	.049	.264	.150	.047		
3.0	.287	.153	.046	.280	.150	.045	.266	.144	.044	.253	.139	.043	.242	.134	.041		
4.0	.262	.136	.040	.256	.134	.040	.243	.129	.039	.232	.125	.038	.221	.120	.037		
5.0	.241	.123	.036	.235	.121	.035	.224	.116	.034	.213	.113	.033	.204	.109	.033		
6.0	.222	.111	.032	.217	.109	.031	.207	.106	.031	.197	.102	.030	.188	.099	.029		
7.0	.205	.102	.029	.201	.100	.028	.192	.097	.028	.183	.094	.027	.175	.091	.027		
8.0	.191	.093	.026	.187	.092	.026	.179	.089	.025	.171	.087	.025	.164	.084	.024		
9.0	.179	.086	.024	.175	.085	.024	.167	.083	.023	.160	.080	.023	.153	.078	.023		
10.0	.167	.080	.022	.164	.079	.022	.157	.077	.022	.150	.075	.021	.144	.073	.021		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.240	.240	.240	.205	.205	.205	.140	.140	.140	.081	.081	.081	.026	.026	.026	
1.0	.233	.206	.182	.199	.177	.157	.136	.122	.108	.078	.070	.063	.025	.023	.020	
2.0	.226	.182	.146	.194	.157	.126	.133	.109	.088	.076	.063	.052	.025	.020	.017	
3.0	.219	.165	.123	.187	.143	.106	.129	.099	.075	.074	.058	.044	.024	.019	.014	
4.0	.211	.152	.107	.181	.132	.093	.125	.092	.066	.072	.054	.039	.023	.017	.013	
5.0	.204	.142	.097	.175	.123	.084	.120	.086	.060	.070	.050	.035	.022	.016	.012	
6.0	.196	.134	.089	.169	.116	.078	.116	.081	.055	.068	.048	.033	.022	.016	.011	
7.0	.189	.127	.084	.163	.110	.073	.113	.077	.052	.065	.046	.031	.021	.015	.010	
8.0	.183	.122	.080	.157	.106	.069	.109	.074	.049	.063	.044	.029	.020	.014	.010	
9.0	.177	.117	.076	.152	.101	.067	.105	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.171	.113	.074	.147	.098	.064	.102	.069	.046	.060	.041	.027	.019	.013	.009	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Mr.Ma  
Test Date:2023-03-23

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.263  
Humidity:65.0%  
Test Distance:7.000m [K=1.0000]  
Remarks:

**Uncorrected UGR Table**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm											
NAME: LED337 W34A (4000K 50W)					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.:					SUR.:			PROTECTION ANGLE:			
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	21.9	23.4	22.3	23.7	24.1	23.5	25.0	23.9	25.3	25.7	
	23.7	25.1	24.1	25.4	25.8	25.3	26.7	25.7	27.0	27.4	
	24.5	25.8	24.9	26.2	26.6	26.0	27.3	26.4	27.7	28.1	
	25.2	26.4	25.6	26.8	27.3	26.5	27.7	26.9	28.1	28.5	
	25.5	26.7	26.0	27.1	27.6	26.7	27.9	27.1	28.3	28.7	
12H	25.9	27.0	26.3	27.4	27.9	26.8	27.9	27.2	28.3	28.8	
4H	2H	22.9	24.2	23.3	24.6	25.0	24.1	25.4	24.5	25.8	26.2
	3H	24.8	26.0	25.3	26.4	26.8	26.2	27.3	26.6	27.8	28.2
	4H	25.7	26.8	26.2	27.2	27.7	27.1	28.1	27.6	28.6	29.1
	6H	26.6	27.5	27.1	28.0	28.5	27.8	28.7	28.3	29.2	29.7
	8H	27.0	27.9	27.5	28.4	28.9	28.0	28.9	28.5	29.4	29.9
12H	27.4	28.2	27.9	28.7	29.3	28.2	29.0	28.7	29.5	30.1	
8H	4H	26.3	27.2	26.8	27.7	28.2	27.4	28.3	27.9	28.8	29.3
	6H	27.4	28.1	27.9	28.6	29.2	28.4	29.1	28.9	29.7	30.2
	8H	27.9	28.6	28.5	29.1	29.7	28.8	29.5	29.4	30.0	30.6
	12H	28.4	29.0	29.0	29.6	30.2	29.1	29.7	29.7	30.3	30.9
	12H	4H	26.4	27.2	26.9	27.7	28.3	27.4	28.3	28.0	28.8
6H	27.5	28.2	28.1	28.7	29.3	28.5	29.2	29.1	29.7	30.3	
8H	28.2	28.7	28.7	29.3	29.9	29.0	29.6	29.6	30.1	30.8	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.4					
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.5					

CIE Pub.117 Corrected 5268 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.8)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Mr. Ma  
Test Date: 2023-03-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263  
Humidity: 65.0%  
Test Distance: 7.000m [K=1.0000]  
Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

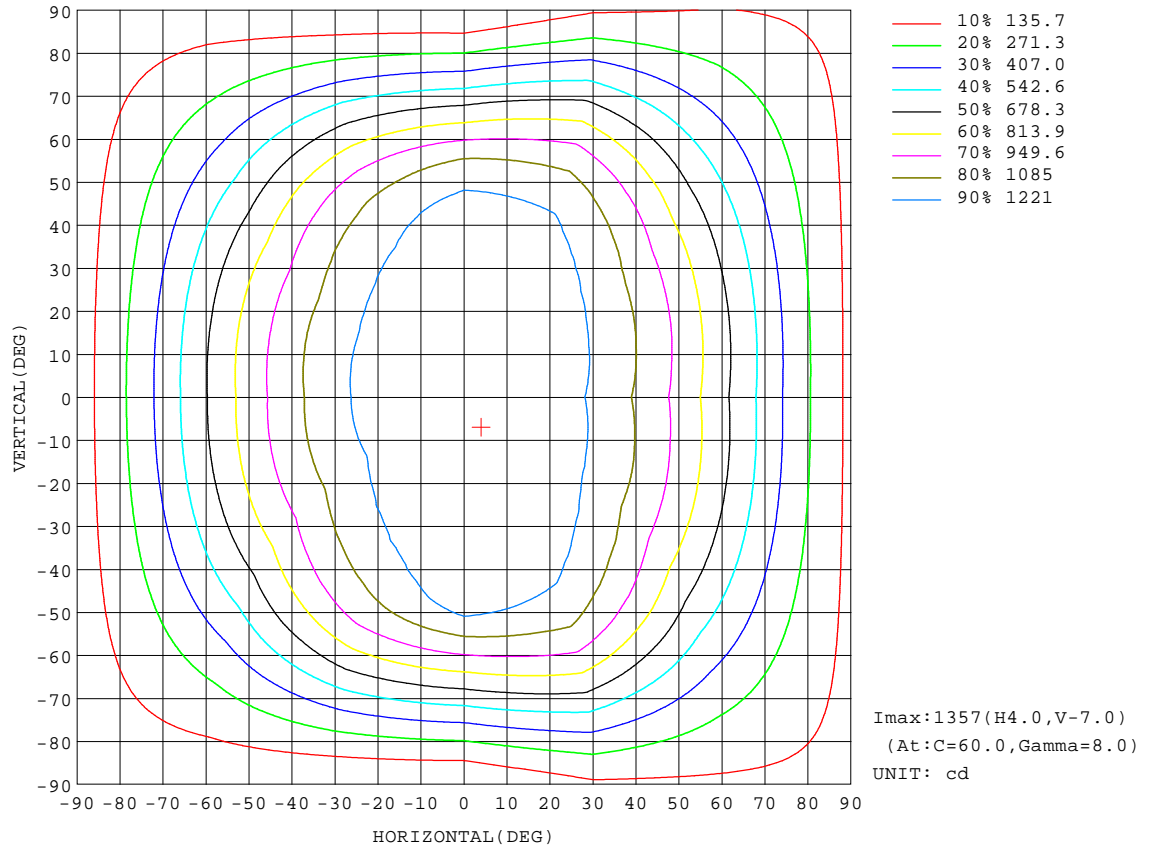
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	32	51	39	32	50	39	32	25
0.80	62	49	41	61	49	41	58	48	41	33
1.00	70	58	50	69	57	50	66	58	49	41
1.25	77	66	58	76	65	57	72	63	56	48
1.50	83	72	64	81	70	63	77	68	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	85	79	92	84	77	87	80	75	65
3.00	98	90	84	95	88	82	90	84	79	69
4.00	102	96	90	99	94	89	94	89	85	74
5.00	105	99	95	102	97	93	96	92	89	77
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity:65.0%**  
**Test Distance:7.000m [K=1.0000]**  
**Remarks:**

**ISOCANDELA DIAGRAM**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



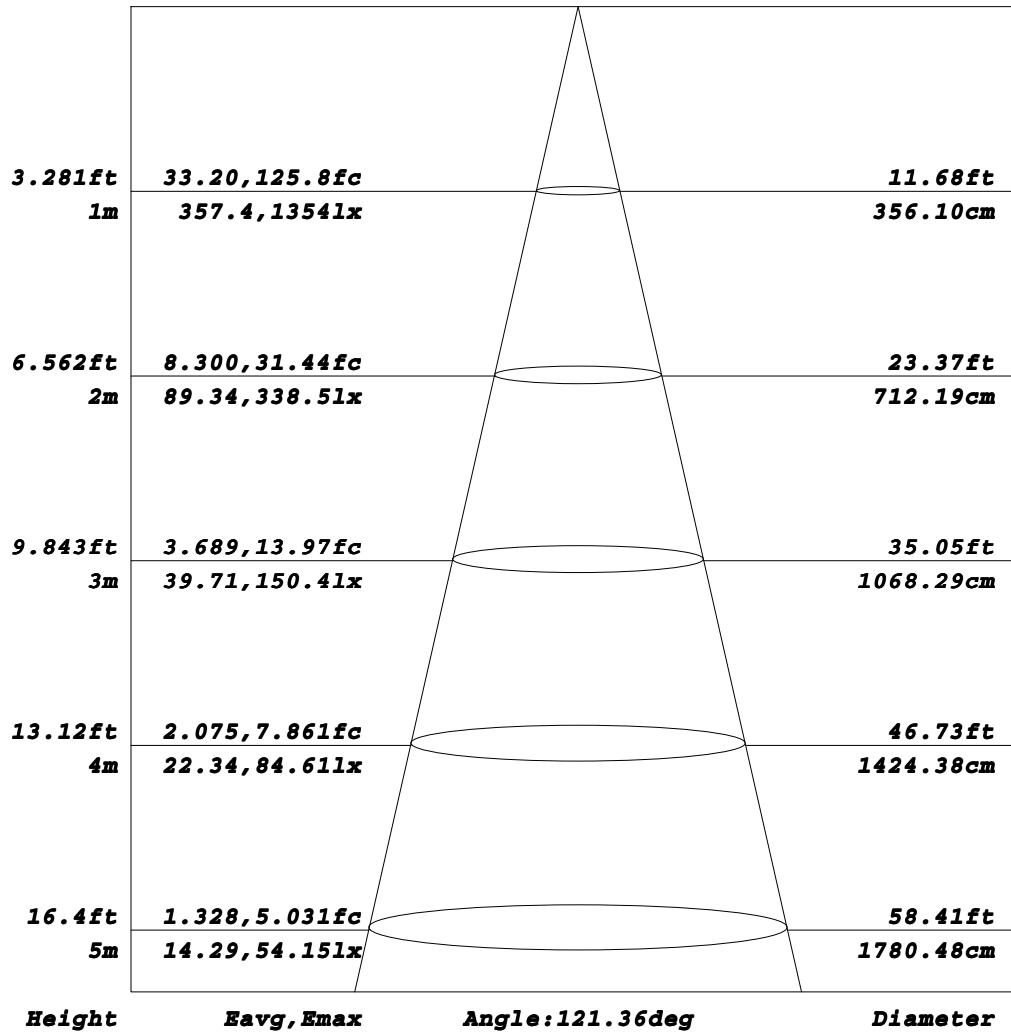
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity:65.0%**  
**Test Distance:7.000m [K=1.0000]**  
**Remarks:**

**AAI Figure**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

**Flux out:3654 lm**



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

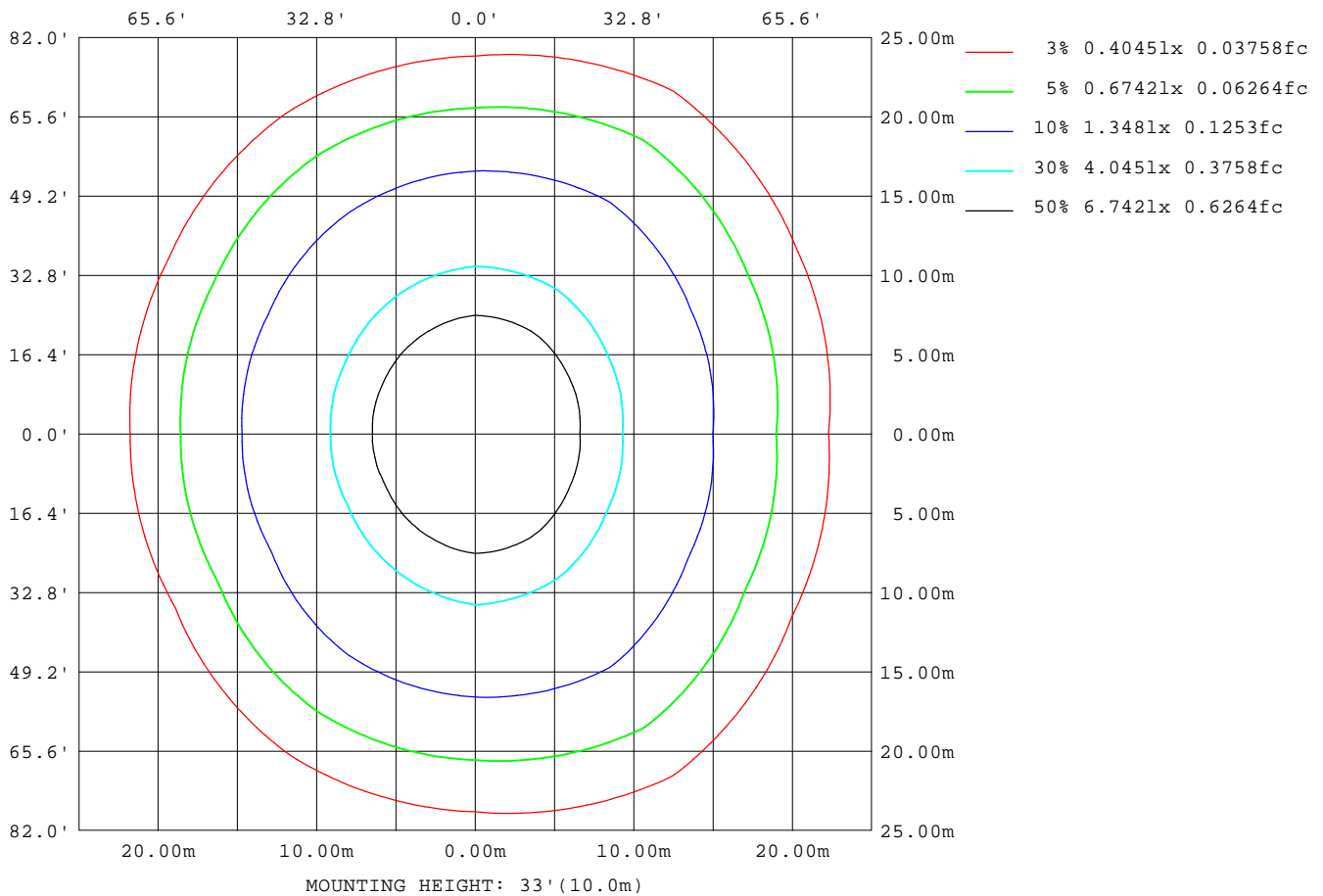
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Mr.Ma  
Test Date: 2023-03-23

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263  
Humidity: 65.0%  
Test Distance: 7.000m [K=1.0000]  
Remarks:



**ISOLUX DIAGRAM**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Mr. Ma**  
**Test Date: 2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity: 65.0%**  
**Test Distance: 7.000m [K=1.0000]**  
**Remarks:**

**Average Luminance Table(CIBSE)**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	5267.59	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	14186	14466	14988	15754	17075	18405	19514	19735	19593	19177	18671	18003	17194	16121	15058	14135	13711	13515	13502
60	14263	14588	15186	16059	17612	19134	20323	20185	19621	18843	18437	17963	17355	16241	15092	14072	13630	13431	13426
65	14343	14762	15448	16402	18087	19692	20868	20387	19440	18337	17981	17650	17213	16128	14982	13952	13520	13330	13330
70	14518	15058	15830	16836	18578	20175	21253	20394	19040	17594	17239	17012	16730	15739	14683	13734	13370	13228	13251
75	14974	15669	16531	17561	19282	20778	21658	20353	18531	16683	16241	16051	15901	15113	14288	13559	13319	13253	13302
80	16286	17199	18188	19255	20980	22345	22914	20779	18079	15480	14914	14834	14959	14525	14093	13743	13753	13854	13974
85	21520	22994	24338	25552	27425	28578	28418	23990	18841	14153	13376	13726	14684	15076	15531	16023	16633	17143	17446

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	28578	200	---	500
Category 2	65 to 90	28578	200	---	500
Category 3	75 to 90	28578	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity:65.0%**  
**Test Distance:7.000m [K=1.0000]**  
**Remarks:**

**Average Luminance Table(CIBSE)**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm		
NAME: LED337 W34A (4000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	5267.59	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.1	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G	C plane(deg)																			
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
55	14186	14466	14988	15754	17075	18405	19514	19735	19593	19177	18671	18003	17194	16121	15058	14135	13711	13515	13502	
60	14263	14588	15186	16059	17612	19134	20323	20185	19621	18843	18437	17963	17355	16241	15092	14072	13630	13431	13426	
65	14343	14762	15448	16402	18087	19692	20868	20387	19440	18337	17981	17650	17213	16128	14982	13952	13520	13330	13330	
70	14518	15058	15830	16836	18578	20175	21253	20394	19040	17594	17239	17012	16730	15739	14683	13734	13370	13228	13251	
75	14974	15669	16531	17561	19282	20778	21658	20353	18531	16683	16241	16051	15901	15113	14288	13559	13319	13253	13302	
80	16286	17199	18188	19255	20980	22345	22914	20779	18079	15480	14914	14834	14959	14525	14093	13743	13753	13854	13974	
85	21520	22994	24338	25552	27425	28578	28418	23990	18841	14153	13376	13726	14684	15076	15531	16023	16633	17143	17446	

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	28578	1000	1500	200	500
65 to 90	28578	1000	1500	200	500

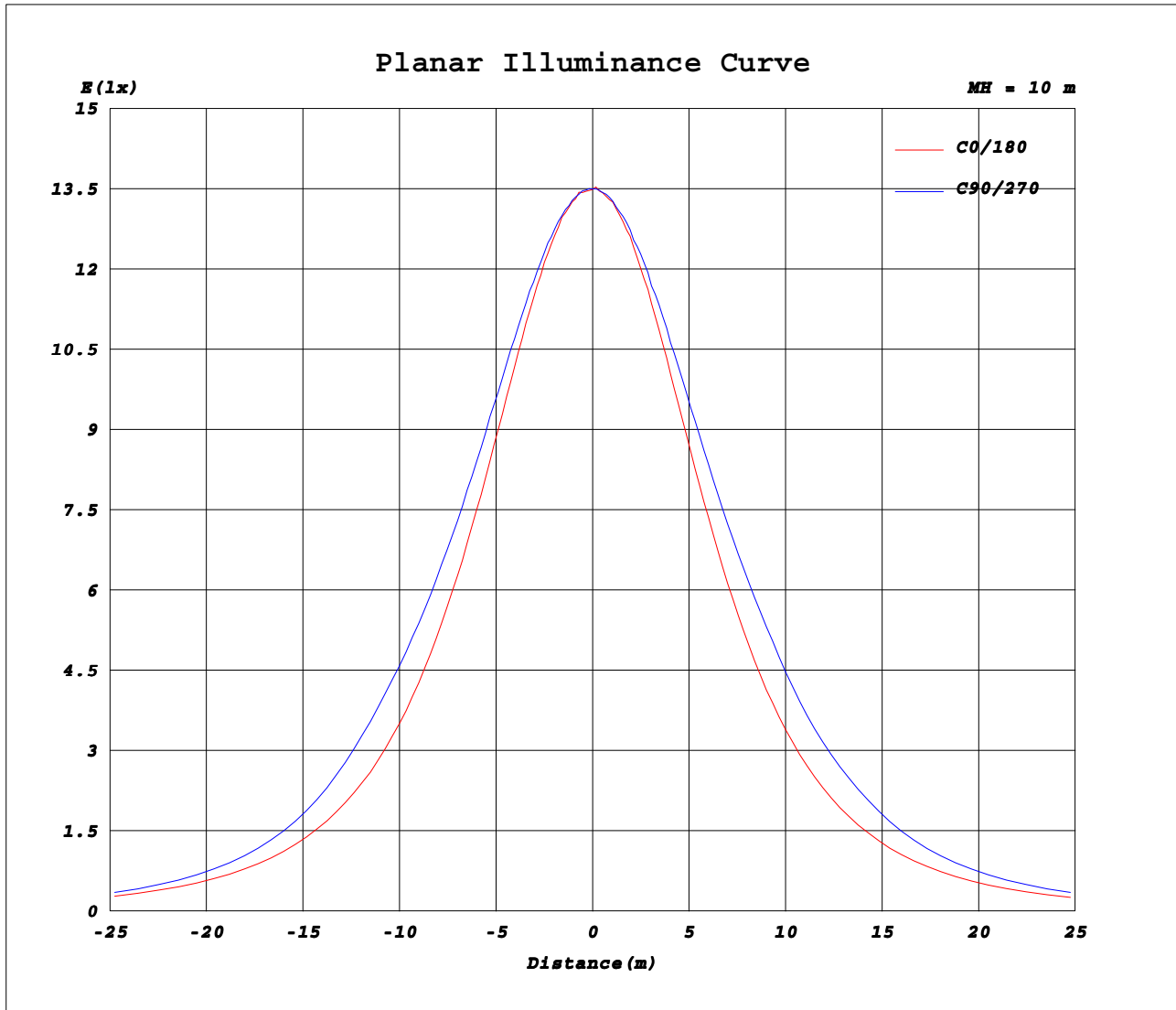
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity:65.0%**  
**Test Distance:7.000m [K=1.0000]**  
**Remarks:**

**Planar Illuminance Curve**



**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Mr.Ma**  
**Test Date: 2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity: 65.0%**  
**Test Distance: 7.000m [K=1.0000]**  
**Remarks:**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:229.6V I:0.2076A P:46.63W PF:0.9780 Lamp Flux:5267.59x1 lm																	
NAME: LED337 W34A (4000K 50W)									TYPE:			WEIGHT:					
DIM.:									SPEC.:			SERIAL No.:					
MFR.:									SUR.:			PROTECTION ANGLE:					

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1348	1349	1350	1350	1348	1344	1348	1349	1350	1350	1348	1344						
5	1347	1350	1352	1350	1343	1340	1345	1346	1347	1350	1349	1344						
10	1338	1344	1351	1350	1335	1324	1333	1335	1338	1347	1346	1342						
15	1319	1332	1349	1347	1324	1303	1310	1316	1326	1344	1344	1334						
20	1290	1310	1345	1344	1308	1271	1276	1288	1312	1339	1340	1315						
25	1249	1280	1336	1340	1288	1232	1233	1251	1291	1334	1331	1287						
30	1199	1241	1324	1334	1262	1184	1179	1205	1266	1327	1317	1251						
35	1140	1192	1305	1327	1230	1126	1115	1150	1235	1317	1298	1204						
40	1071	1133	1278	1316	1189	1058	1042	1085	1194	1304	1272	1149						
45	993	1064	1242	1298	1138	980	961	1009	1144	1266	1235	1082						
50	907	983	1194	1240	1073	891	871	924	1079	1193	1188	1004						
55	814	892	1126	1103	987	794	774	828	985	1097	1113	916						
60	713	790	1025	944	869	686	671	721	866	940	1007	816						
65	606	679	884	775	723	571	563	608	732	775	880	708						
70	497	560	724	602	564	450	453	490	580	602	730	592						
75	388	438	555	430	402	333	344	369	421	433	566	472						
80	283	318	391	267	250	222	243	255	270	270	405	350						
85	188	208	242	121	121	126	152	153	135	125	254	238						
90	110	114	115	16.5	76.7	95.4	97.4	96.7	74.9	15.2	121	139						
95	103	101	81.3	16.6	75.0	94.1	96.6	95.8	73.4	15.0	79.6	102						
100	102	98.9	79.7	16.6	72.5	91.7	95.1	93.9	71.5	15.2	76.1	101						
105	99.3	96.2	75.1	16.6	67.7	88.7	92.9	91.0	68.5	15.5	75.6	91.7						
110	96.3	92.6	67.5	16.6	60.8	84.9	90.0	87.4	63.5	15.5	69.6	92.1						
115	92.5	87.7	57.3	16.4	53.3	80.2	86.4	82.4	56.4	15.5	58.6	87.8						
120	88.0	80.6	49.0	16.1	47.2	74.9	82.1	77.0	49.5	15.2	49.7	82.4						
125	82.1	75.0	43.6	6.46	41.5	69.1	77.2	71.5	43.5	14.8	44.5	77.0						
130	76.1	66.1	37.7	6.40	35.7	62.7	71.7	65.2	37.2	6.75	38.8	67.2						
135	69.8	56.9	32.5	6.81	30.0	55.7	65.5	58.3	31.4	7.17	33.5	57.6						
140	62.5	48.0	28.0	7.24	24.9	48.6	58.5	51.3	26.1	7.59	28.9	48.8						
145	54.9	39.7	24.1	7.64	20.4	41.5	49.4	44.0	21.5	7.96	24.8	41.2						
150	47.3	32.8	21.9	8.02	16.4	34.5	41.6	37.0	17.3	8.29	22.0	34.5						
155	39.5	26.7	19.8	8.42	12.9	27.8	35.5	30.2	13.8	8.62	20.0	28.2						
160	31.8	21.3	17.7	8.80	9.98	21.5	28.5	23.7	10.7	8.90	18.0	22.8						
165	24.5	16.6	15.5	9.11	7.82	15.7	21.5	17.6	8.28	9.19	15.9	18.0						
170	17.4	13.1	13.5	9.40	7.89	10.6	15.1	12.2	7.92	9.46	13.9	14.2						
175	11.4	10.0	11.3	9.62	7.93	8.21	9.85	8.20	7.94	9.67	11.7	11.3						
180	8.98	8.36	9.23	9.74	9.52	8.50	8.99	8.36	8.72	9.86	9.52	8.46						

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: Mr.Ma**  
**Test Date: 2023-03-23**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.263**  
**Humidity: 65.0%**  
**Test Distance: 7.000m [K=1.0000]**  
**Remarks:**