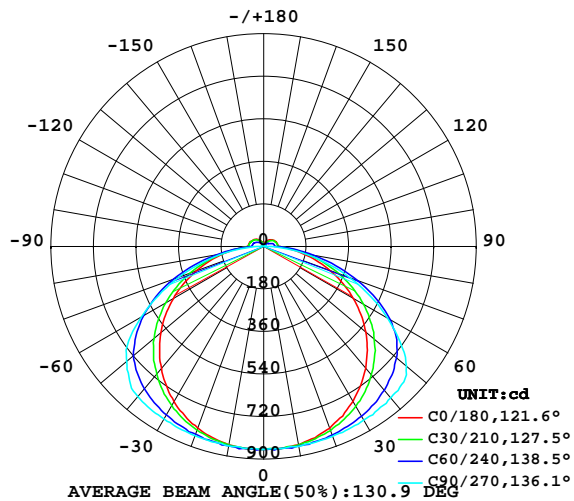


**LUMINAIRE PHOTOMETRIC TEST REPORT**

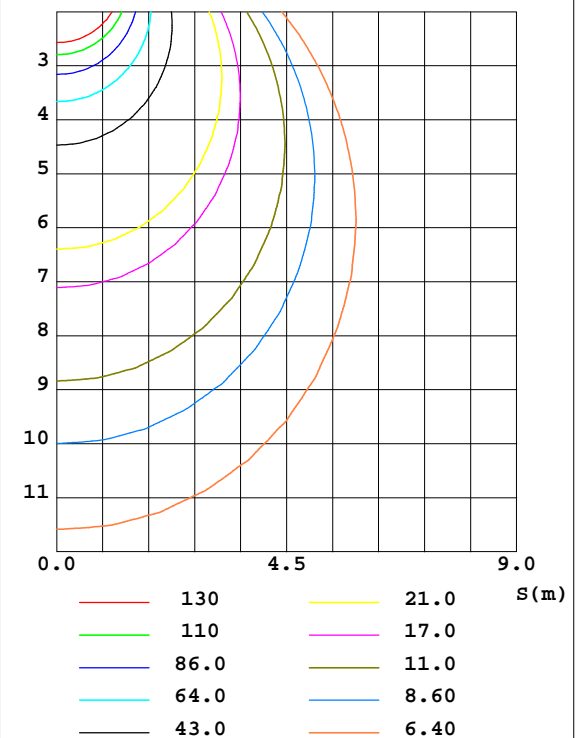
Test:U:229.6V I:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.45 lm/W			
MODEL		Imax(cd)	862.1	S/MH(C0/180)	1.31
NOMINAL POWER(W)	28	LOR(%)	100.0	S/MH(C90/270)	1.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3348.4	η UP,DN(C0-180)	3.2,46.0
NOMINAL FLUX(lm)	3348.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.4,47.5
LAMPS INSIDE	1	η up(%)	6.5	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	229.5	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	852.5	855.2	858.1	846.0	852.3	854.6	856.7	853.0	0- 10	81.62	81.62	2.44,2.44
20	818.8	839.0	854.3	820.9	817.2	836.1	851.3	840.5	10- 20	239.2	320.8	9.58,9.58
30	757.8	804.9	848.3	778.9	758.3	800.5	843.9	811.5	20- 30	378.3	699.1	20.9,20.9
40	673.0	751.3	836.2	716.5	673.6	744.9	829.4	761.9	30- 40	486.2	1185	35.4,35.4
50	564.0	672.5	788.3	627.5	567.3	662.5	756.9	686.8	40- 50	548.3	1734	51.8,51.8
60	437.5	552.2	603.3	499.8	441.9	532.6	597.7	568.3	50- 60	539.9	2273	67.9,67.9
70	298.3	381.0	388.5	329.9	304.2	369.1	382.8	410.4	60- 70	445.5	2719	81.2,81.2
80	163.7	200.1	175.7	157.2	169.5	191.1	171.3	231.8	70- 80	289.0	3008	89.8,89.8
90	61.53	55.86	10.38	57.82	66.13	57.07	10.26	76.76	80- 90	122.2	3130	93.5,93.5
100	59.74	52.14	9.910	55.10	64.38	55.52	10.58	53.35	90-100	53.82	3184	95.1,95.1
110	56.57	46.50	9.809	49.18	61.05	51.64	10.79	48.49	100-110	49.05	3233	96.6,96.6
120	51.67	37.95	9.306	41.65	53.32	44.05	10.40	40.03	110-120	40.60	3274	97.8,97.8
130	45.24	29.51	3.494	33.60	48.09	36.07	4.519	32.29	120-130	30.84	3305	98.7,98.7
140	37.10	21.13	3.917	25.20	39.68	27.75	4.919	23.75	130-140	20.88	3325	99.3,99.3
150	28.06	15.05	4.291	17.42	29.79	20.03	5.257	17.34	140-150	12.80	3338	99.7,99.7
160	18.82	10.46	4.630	10.70	19.75	13.11	5.585	12.55	150-160	6.792	3345	99.9,99.9
170	10.33	6.982	4.901	6.013	10.58	7.312	5.872	8.676	160-170	2.770	3348	100,100
180	5.776	5.229	5.069	5.639	5.781	5.227	6.058	5.625	170-180	0.6159	3348	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

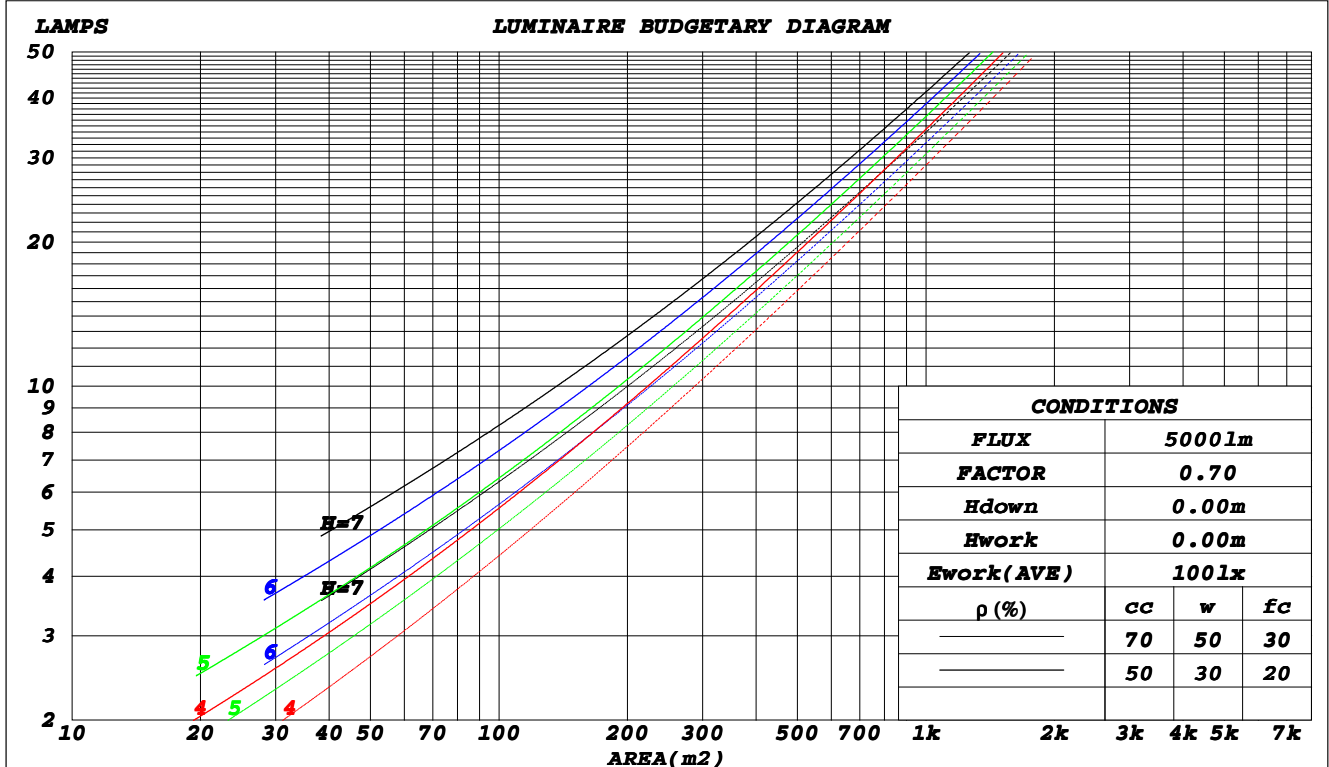
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**$\gamma$  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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	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															



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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	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	.344	.196	.062	.335	.191	.061	.318	.183	.058	.302	.174	.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	.151	.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	.080	.080	.080	.026	.026	.026	
1.0	.233	.206	.182	.199	.177	.156	.136	.122	.108	.078	.070	.063	.025	.023	.020	
2.0	.226	.182	.146	.193	.157	.126	.133	.109	.088	.076	.063	.051	.025	.020	.017	
3.0	.218	.165	.123	.187	.142	.106	.129	.099	.075	.074	.058	.044	.024	.019	.014	
4.0	.211	.152	.107	.181	.131	.093	.124	.092	.066	.072	.054	.039	.023	.017	.013	
5.0	.204	.142	.097	.175	.123	.084	.120	.086	.059	.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	.112	.077	.052	.065	.046	.031	.021	.015	.010	
8.0	.183	.121	.079	.157	.105	.069	.109	.074	.049	.063	.044	.029	.020	.014	.010	
9.0	.176	.117	.076	.152	.101	.066	.105	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.171	.112	.074	.147	.098	.064	.102	.069	.046	.059	.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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm										
NAME: LED337 W34A (3000K 30W)					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	20.1	21.6	20.5	22.0	22.3	21.8	23.3	22.1	23.6	23.9
3H	21.8	23.2	22.2	23.6	24.0	23.5	24.9	23.9	25.3	25.7
4H	22.6	23.9	23.0	24.3	24.7	24.2	25.6	24.7	25.9	26.3
6H	23.3	24.5	23.7	24.9	25.3	24.8	26.0	25.2	26.4	26.8
8H	23.6	24.8	24.0	25.2	25.6	24.9	26.2	25.4	26.6	27.0
12H	23.9	25.0	24.3	25.4	25.9	25.1	26.2	25.5	26.6	27.1
4H 2H	21.1	22.4	21.5	22.8	23.2	22.3	23.7	22.7	24.0	24.4
3H	23.0	24.1	23.4	24.5	25.0	24.4	25.5	24.8	25.9	26.4
4H	23.8	24.9	24.3	25.3	25.8	25.2	26.3	25.7	26.7	27.2
6H	24.6	25.6	25.1	26.1	26.6	25.9	26.9	26.4	27.3	27.9
8H	25.0	25.9	25.5	26.4	26.9	26.2	27.1	26.7	27.5	28.1
12H	25.4	26.2	25.9	26.7	27.2	26.4	27.2	26.9	27.7	28.2
8H 4H	24.3	25.2	24.9	25.7	26.2	25.5	26.4	26.0	26.9	27.4
6H	25.4	26.1	25.9	26.6	27.2	26.5	27.2	27.0	27.7	28.3
8H	25.8	26.5	26.4	27.0	27.6	26.8	27.5	27.4	28.0	28.6
12H	26.3	26.9	26.9	27.5	28.1	27.2	27.7	27.7	28.3	28.9
12H 4H	24.4	25.2	24.9	25.7	26.3	25.5	26.4	26.1	26.9	27.4
6H	25.5	26.2	26.1	26.7	27.3	26.5	27.2	27.1	27.7	28.3
8H	26.1	26.6	26.7	27.2	27.8	27.0	27.6	27.6	28.1	28.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 3348 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.2)

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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

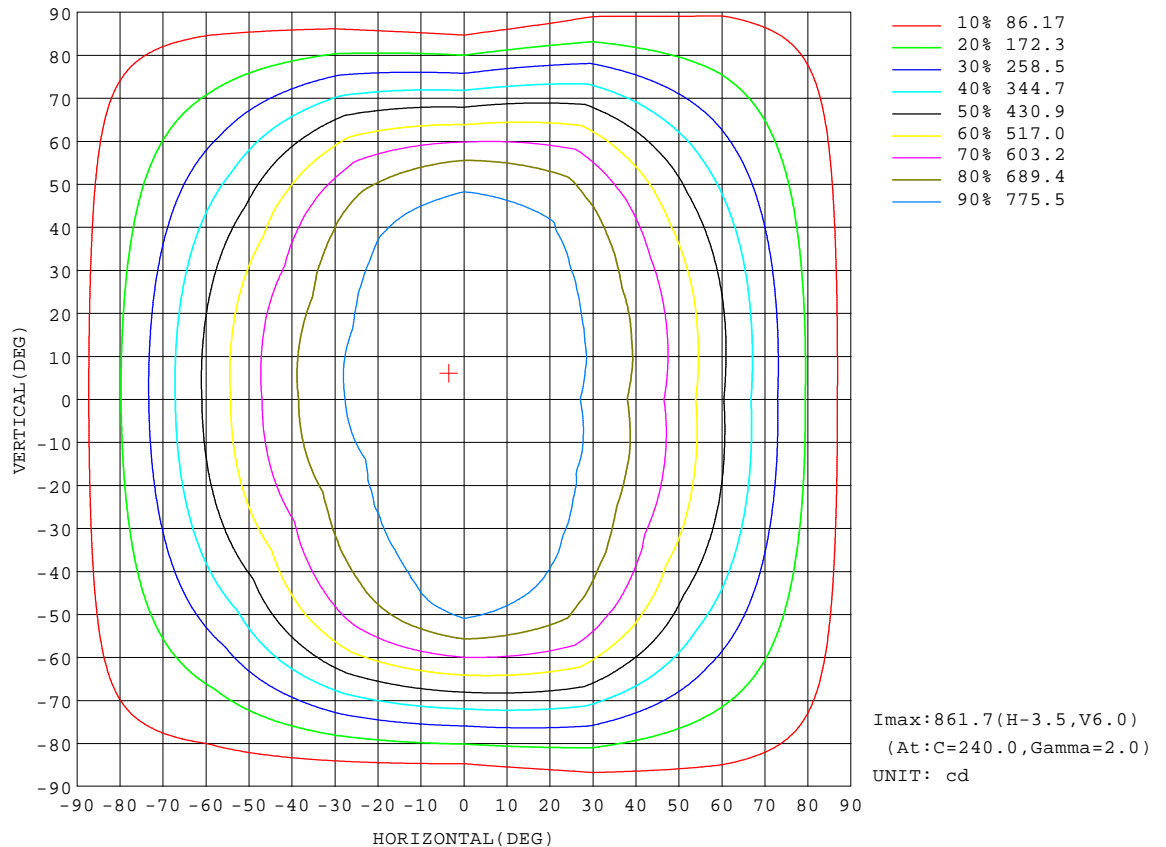
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	32	51	39	32	50	39	32	25
0.80	62	49	41	61	49	41	58	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	100	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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



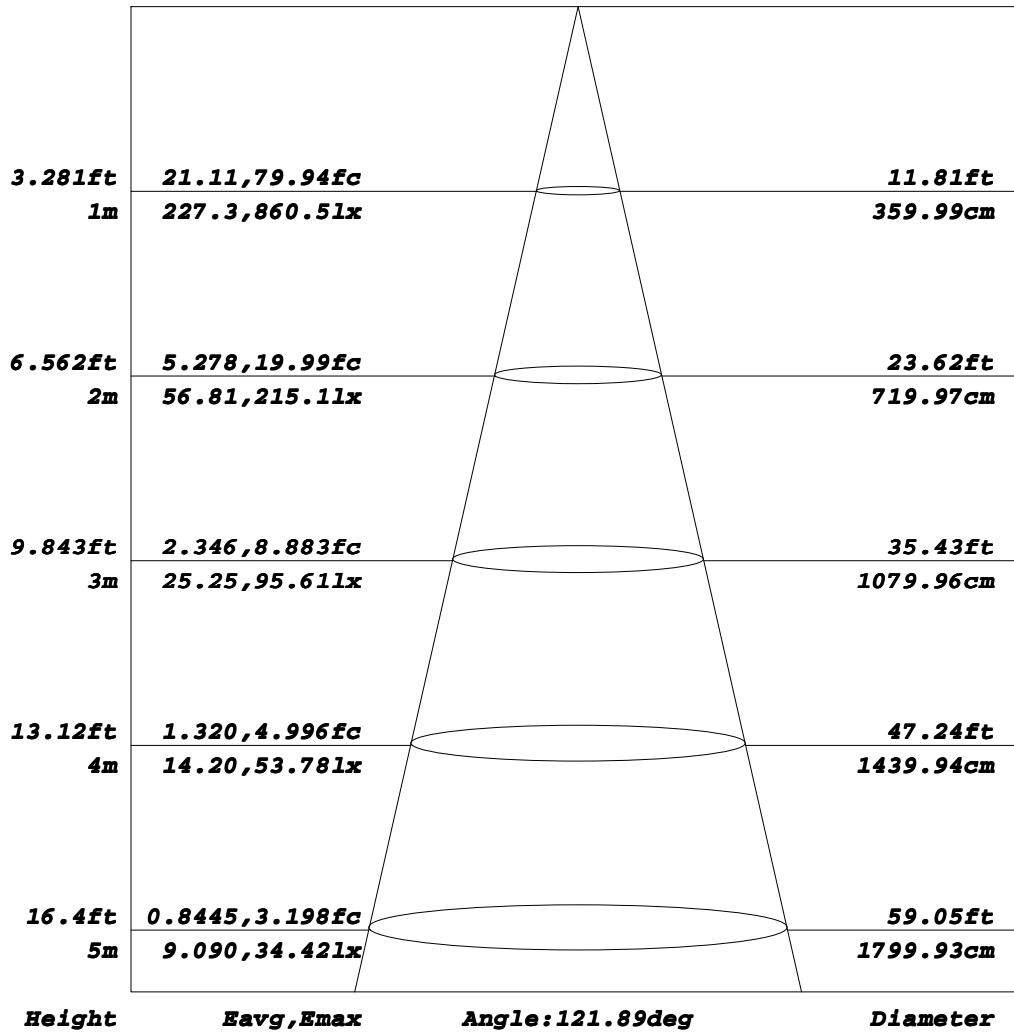
**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:Mr.Ma**  
**Test Date:2023-03-23**

**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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

**Flux out:2324 lm**



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

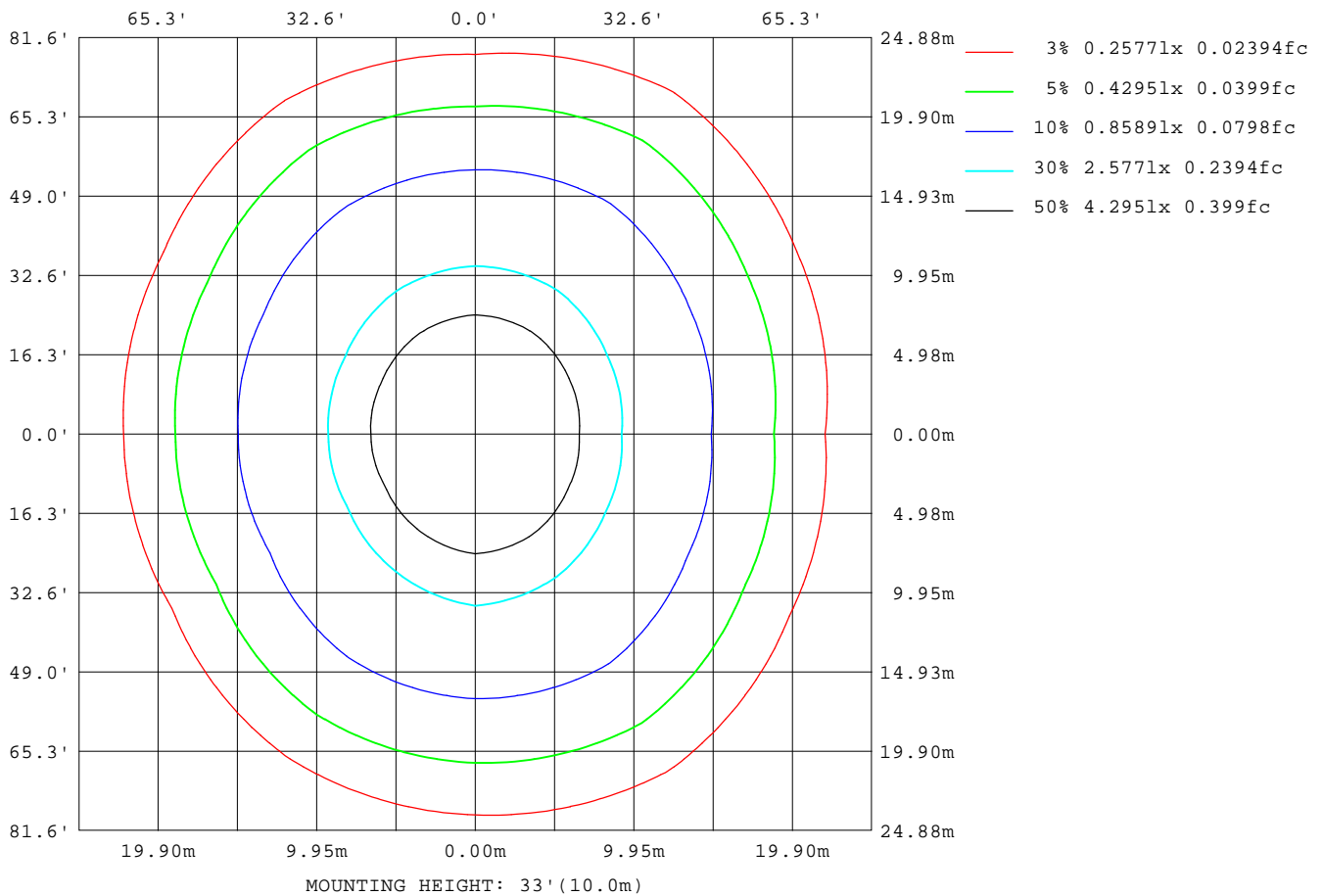
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Mr.Ma  
Test Date: 2023-03-23

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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	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	3348.4	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	8769	8971	9313	9793	10577	11376	12065	12304	12346	12225	12026	11703	11257	10552	9830	9195	8942	8842	8857	
60	8750	9007	9409	9954	10853	11739	12454	12494	12311	12010	11912	11744	11446	10709	9917	9203	8929	8822	8838	
65	8733	9055	9514	10110	11084	12014	12721	12566	12172	11704	11689	11656	11497	10758	9936	9184	8920	8827	8857	
70	8722	9139	9665	10297	11289	12200	12842	12495	11902	11275	11293	11347	11299	10619	9848	9139	8915	8852	8895	
75	8871	9394	9979	10626	11587	12420	12937	12346	11510	10693	10735	10885	10972	10401	9740	9133	9002	9007	9086	
80	9427	10145	10839	11508	12399	13080	13365	12364	11125	9991	10056	10349	10651	10275	9816	9406	9460	9606	9759	
85	12155	13239	14139	14853	15678	16096	15885	13725	11317	9263	9485	10276	11249	11358	11368	11387	11831	12265	12562	

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	16096	200	---	500
Category 2	65 to 90	16096	200	---	500
Category 3	75 to 90	16096	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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm		
NAME: LED337 W34A (3000K 30W)	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	3348.4	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	8769	8971	9313	9793	10577	11376	12065	12304	12346	12225	12026	11703	11257	10552	9830	9195	8942	8842	8857
60	8750	9007	9409	9954	10853	11739	12454	12494	12311	12010	11912	11744	11446	10709	9917	9203	8929	8822	8838
65	8733	9055	9514	10110	11084	12014	12721	12566	12172	11704	11689	11656	11497	10758	9936	9184	8920	8827	8857
70	8722	9139	9665	10297	11289	12200	12842	12495	11902	11275	11293	11347	11299	10619	9848	9139	8915	8852	8895
75	8871	9394	9979	10626	11587	12420	12937	12346	11510	10693	10735	10885	10972	10401	9740	9133	9002	9007	9086
80	9427	10145	10839	11508	12399	13080	13365	12364	11125	9991	10056	10349	10651	10275	9816	9406	9460	9606	9759
85	12155	13239	14139	14853	15678	16096	15885	13725	11317	9263	9485	10276	11249	11358	11368	11387	11831	12265	12562

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	16096	1000	1500	200	500
65 to 90	16096	1000	1500	200	500

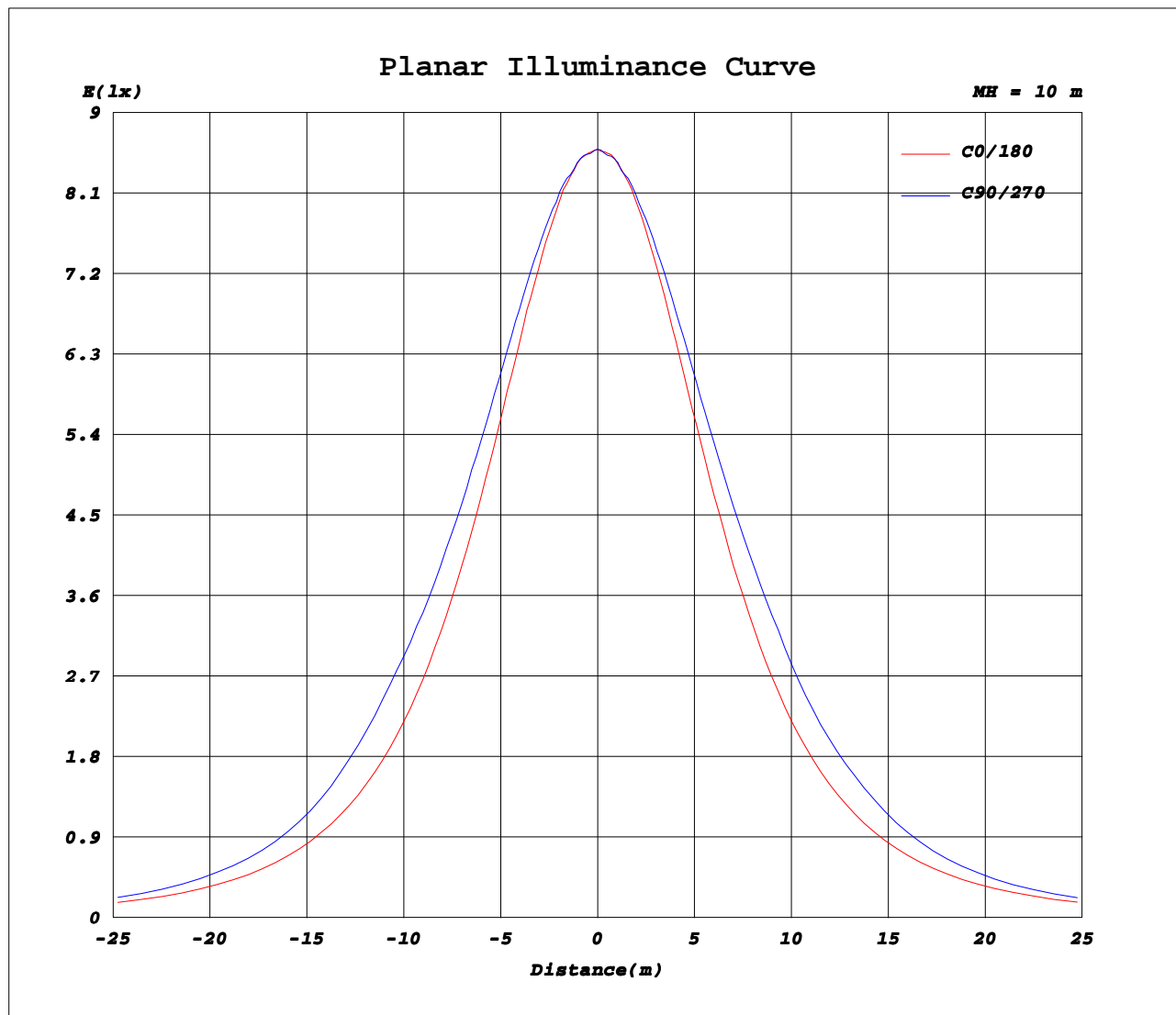
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:0.1282A P:28.75W PF:0.9765 Lamp Flux:3348.4x1 lm																	
NAME: LED337 W34A (3000K 30W)									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	859	858	859	859	856	854	859	858	859	859	856	854						
5	858	857	858	859	853	851	859	857	858	858	856	853						
10	852	853	857	858	850	843	852	853	856	857	855	851						
15	838	843	854	857	842	829	838	843	852	855	853	844						
20	819	829	849	854	832	809	817	827	845	851	849	832						
25	792	807	840	852	820	786	791	806	836	849	843	813						
30	758	781	829	848	804	754	758	778	823	844	834	789						
35	717	748	814	843	784	719	717	745	807	838	820	759						
40	673	709	794	836	758	675	674	704	786	829	802	722						
45	621	664	768	827	725	627	623	659	758	803	778	679						
50	564	611	734	788	684	571	567	606	719	757	745	628						
55	503	552	688	704	631	510	508	545	660	698	696	572						
60	437	487	617	603	558	442	442	478	587	598	628	508						
65	369	416	526	498	467	369	374	407	505	491	549	439						
70	298	339	423	388	366	294	304	331	407	383	455	365						
75	230	261	316	279	264	219	235	254	304	275	353	289						
80	164	186	214	176	167	147	169	179	203	171	250	213						
85	106	116	123	81.9	84.3	86.2	109	112	112	79.6	154	143						
90	61.5	62.2	49.5	10.4	51.6	64.0	66.1	64.5	49.6	10.3	72.5	81.1						
95	60.6	60.0	46.9	9.86	50.5	63.1	65.3	63.9	49.2	10.3	47.6	60.2						
100	59.7	58.8	45.5	9.91	48.7	61.5	64.4	62.7	48.3	10.6	47.2	59.5						
105	58.3	57.1	42.9	9.92	45.7	59.5	63.0	60.9	47.1	10.8	47.0	54.3						
110	56.6	54.9	38.1	9.81	41.4	57.0	61.0	58.6	44.7	10.8	42.6	54.3						
115	54.3	52.2	31.5	9.61	36.9	53.8	56.1	55.6	40.7	10.7	36.0	52.7						
120	51.7	49.1	26.8	9.31	32.9	50.5	53.3	52.3	35.8	10.4	30.3	49.7						
125	48.6	45.6	23.4	4.60	28.9	46.7	51.4	48.7	31.8	10.0	27.3	46.0						
130	45.2	39.0	20.0	3.49	24.8	42.4	48.1	44.5	27.6	4.52	23.8	40.8						
135	41.4	33.1	17.0	3.72	20.9	37.8	44.2	39.9	23.8	4.71	20.5	35.0						
140	37.1	27.8	14.4	3.92	17.4	33.0	39.7	35.2	20.3	4.92	17.8	29.7						
145	32.6	22.9	12.4	4.10	14.2	28.2	34.8	30.5	17.2	5.09	15.3	25.2						
150	28.1	19.0	11.1	4.29	11.4	23.4	29.8	25.8	14.3	5.26	13.6	21.1						
155	23.4	15.4	9.81	4.46	8.97	18.9	24.8	21.1	11.8	5.44	12.3	17.3						
160	18.8	12.3	8.61	4.63	6.88	14.5	19.8	16.7	9.50	5.59	11.0	14.1						
165	14.4	9.67	7.40	4.77	5.20	10.5	14.9	12.5	7.51	5.74	9.80	11.1						
170	10.3	7.68	6.28	4.90	4.98	7.04	10.6	8.81	5.81	5.87	8.52	8.83						
175	6.76	5.98	5.27	5.01	5.03	5.19	6.79	5.74	5.07	5.96	7.20	7.05						
180	5.78	5.34	5.12	5.07	5.91	5.37	5.78	5.33	5.13	6.06	5.90	5.35						

**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:**