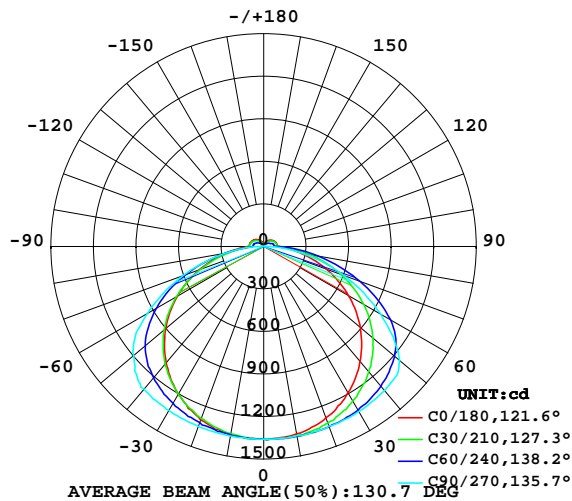


LUMINAIRE PHOTOMETRIC TEST REPORT

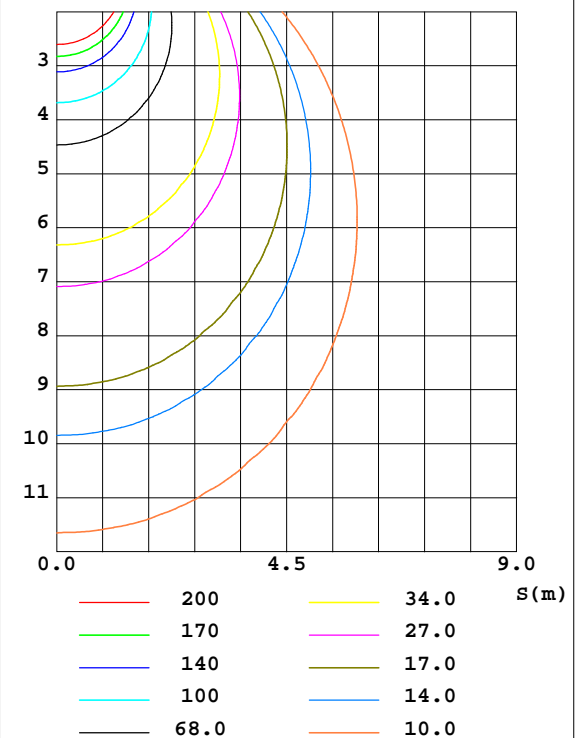
Test:U:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm					
NAME: LED337 W34A (3000K 50W)			TYPE:		WEIGHT:
DIM.:			SPEC.:		SERIAL No.:
MFR.:			SUR.:		PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 113.41 lm/W			
MODEL		Imax(cd)	1364	S/MH(C0/180)	1.31
NOMINAL POWER(W)	48	LOR(%)	100.0	S/MH(C90/270)	1.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5293.7	η UP,DN(C0-180)	3.2,46.6
NOMINAL FLUX(lm)	5293.75	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.3,46.9
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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1342	1357	1356	1339	1351	1344	1357	1353	0- 10	129.2	129.2	2.44,2.44
20	1285	1339	1348	1298	1301	1306	1350	1334	10- 20	378.4	507.6	9.59,9.59
30	1190	1295	1344	1230	1207	1242	1336	1287	20- 30	598.6	1106	20.9,20.9
40	1057	1220	1327	1129	1073	1145	1313	1212	30- 40	769.3	1875	35.4,35.4
50	889.5	1105	1253	987.0	903.0	1004	1197	1093	40- 50	867.6	2743	51.8,51.8
60	690.0	922.4	954.8	784.7	704.7	792.5	947.1	907.2	50- 60	854.2	3597	68,68
70	470.8	651.6	607.2	515.4	485.5	530.5	606.5	657.6	60- 70	703.8	4301	81.2,81.2
80	257.5	358.4	269.2	243.8	269.6	257.0	273.0	373.7	70- 80	455.9	4757	89.9,89.9
90	98.51	103.7	15.77	91.77	104.8	90.33	16.30	127.1	80- 90	192.4	4949	93.5,93.5
100	95.59	83.43	15.83	87.19	101.6	86.57	16.72	84.92	90-100	85.85	5035	95.1,95.1
110	90.34	75.05	15.59	77.52	96.44	79.10	17.14	77.28	100-110	77.62	5113	96.6,96.6
120	81.49	60.35	14.86	65.47	88.19	65.45	16.56	63.03	110-120	64.20	5177	97.8,97.8
130	71.16	48.15	5.874	52.55	77.23	52.41	7.439	51.29	120-130	48.30	5225	98.7,98.7
140	58.29	35.10	6.846	39.26	63.57	39.00	8.077	37.81	130-140	32.66	5258	99.3,99.3
150	43.93	25.38	7.726	27.06	45.03	26.94	8.645	27.50	140-150	19.88	5278	99.7,99.7
160	29.29	18.13	8.628	16.50	31.28	16.50	9.135	20.02	150-160	10.50	5288	99.9,99.9
170	15.91	12.57	9.327	9.455	16.89	9.519	9.636	13.87	160-170	4.323	5293	100,100
180	9.146	8.919	9.840	9.032	9.174	8.851	9.866	9.004	170-180	0.9953	5294	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

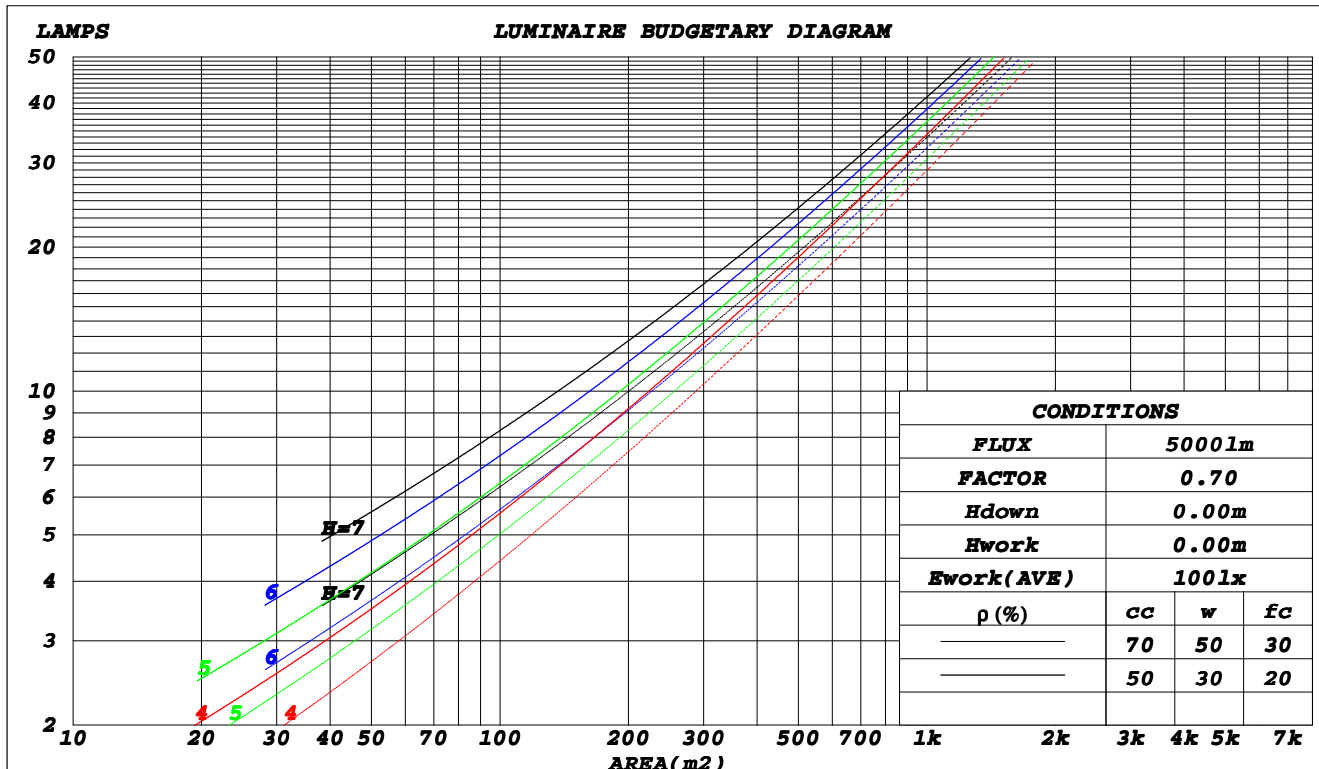
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Mr.Ma
Test Date:2023-03-23

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	1.01	.96	.91	.98	.93	.89	.92	.89	.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	.56	.49	.61	.53	.47	.58	.51	.46	.55	.49	.45	.42
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.40	.51	.45	.39	.49	.43	.38	.36
6.0	.52	.43	.36	.51	.42	.36	.49	.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	.31	.26	.24
9.0	.39	.31	.25	.38	.30	.25	.37	.29	.24	.35	.29	.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

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:

WEC AND CCEC

Test:U:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{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	.182	.058	.302	.174	.056	.288	.167	.054		
2.0	.315	.173	.053	.307	.169	.052	.291	.162	.050	.277	.156	.049	.264	.149	.047		
3.0	.287	.153	.046	.280	.150	.045	.266	.144	.044	.253	.139	.043	.241	.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	.120	.035	.224	.116	.034	.213	.113	.033	.204	.109	.033		
6.0	.222	.111	.032	.216	.109	.031	.206	.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	.178	.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		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{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	.132	.108	.088	.076	.063	.051	.024	.020	.017	
3.0	.218	.165	.122	.187	.142	.106	.129	.099	.074	.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	.203	.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	.067	.048	.033	.022	.016	.011	
7.0	.189	.127	.084	.163	.110	.073	.112	.077	.052	.065	.045	.031	.021	.015	.010	
8.0	.183	.121	.079	.157	.105	.069	.109	.074	.049	.063	.044	.029	.020	.014	.010	
9.0	.176	.116	.076	.152	.101	.066	.105	.071	.047	.061	.042	.028	.020	.014	.009	
10.0	.170	.112	.074	.147	.097	.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

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:

Uncorrected UGR Table

Test:U:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm										
NAME: LED337 W34A (3000K 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	23.6	25.1	23.9	25.4	25.7
3H	23.6	25.0	24.0	25.4	25.7	25.3	26.7	25.7	27.0	27.4
4H	24.4	25.7	24.8	26.1	26.5	26.0	27.3	26.4	27.7	28.1
6H	25.0	26.3	25.5	26.7	27.1	26.5	27.7	26.9	28.1	28.6
8H	25.3	26.5	25.8	26.9	27.4	26.7	27.9	27.1	28.3	28.7
12H	25.6	26.8	26.1	27.2	27.6	26.8	27.9	27.2	28.4	28.8
4H 2H	23.0	24.3	23.4	24.7	25.1	24.2	25.5	24.6	25.9	26.3
3H	24.9	26.0	25.3	26.4	26.9	26.2	27.4	26.7	27.8	28.2
4H	25.7	26.8	26.2	27.2	27.7	27.1	28.2	27.6	28.6	29.1
6H	26.5	27.5	27.0	28.0	28.5	27.8	28.7	28.3	29.2	29.7
8H	26.9	27.8	27.4	28.3	28.8	28.0	28.9	28.5	29.4	29.9
12H	27.2	28.0	27.7	28.5	29.1	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	28.0	28.8	29.3
6H	27.3	28.1	27.9	28.6	29.2	28.4	29.1	28.9	29.7	30.2
8H	27.8	28.5	28.4	29.0	29.6	28.8	29.5	29.4	30.0	30.6
12H	28.3	28.8	28.8	29.4	30.0	29.1	29.7	29.7	30.3	30.9
12H 4H	26.4	27.2	26.9	27.7	28.3	27.5	28.3	28.0	28.8	29.3
6H	27.5	28.2	28.1	28.7	29.3	28.5	29.2	29.1	29.7	30.3
8H	28.1	28.6	28.6	29.2	29.8	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					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.5					+ 0.3 / - 0.5				

CIE Pub.117 Corrected 5294 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:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

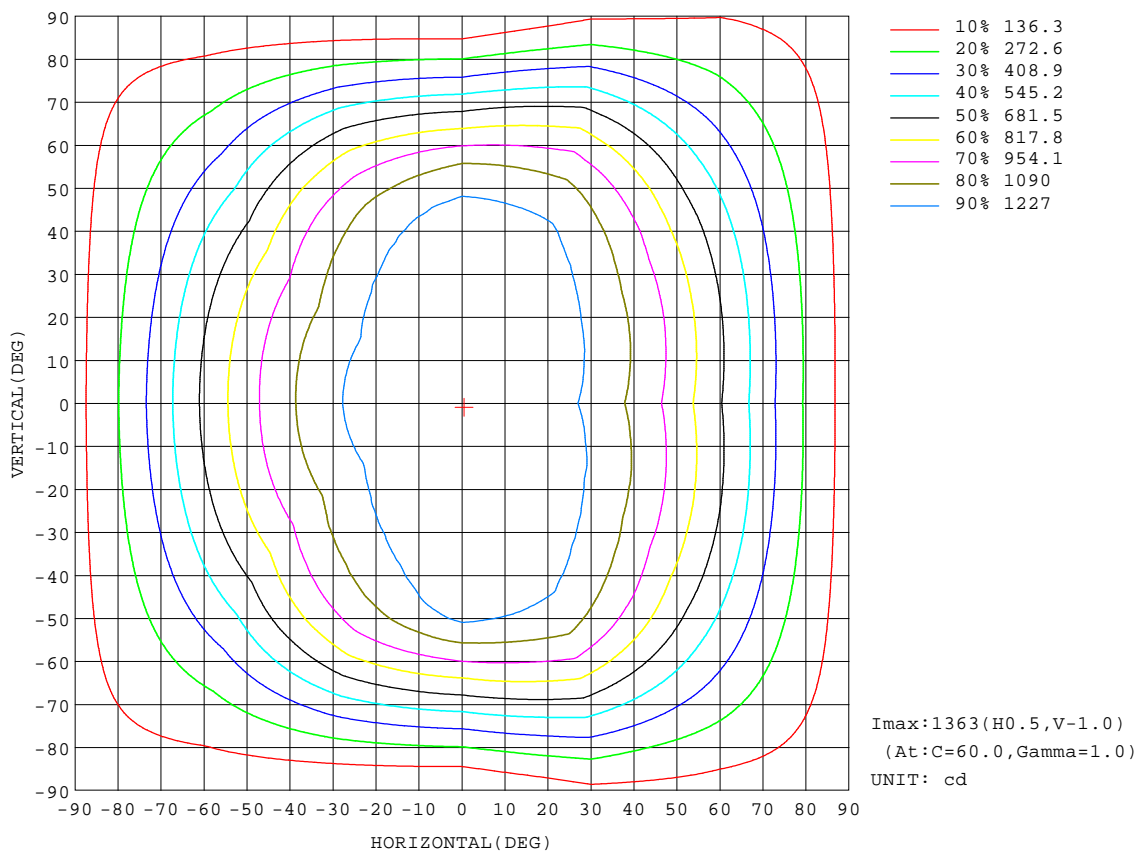
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	32	51	39	32	50	39	32	25
0.80	62	49	41	61	49	41	58	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	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

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:

ISOCANDELA DIAGRAM

Test:U:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



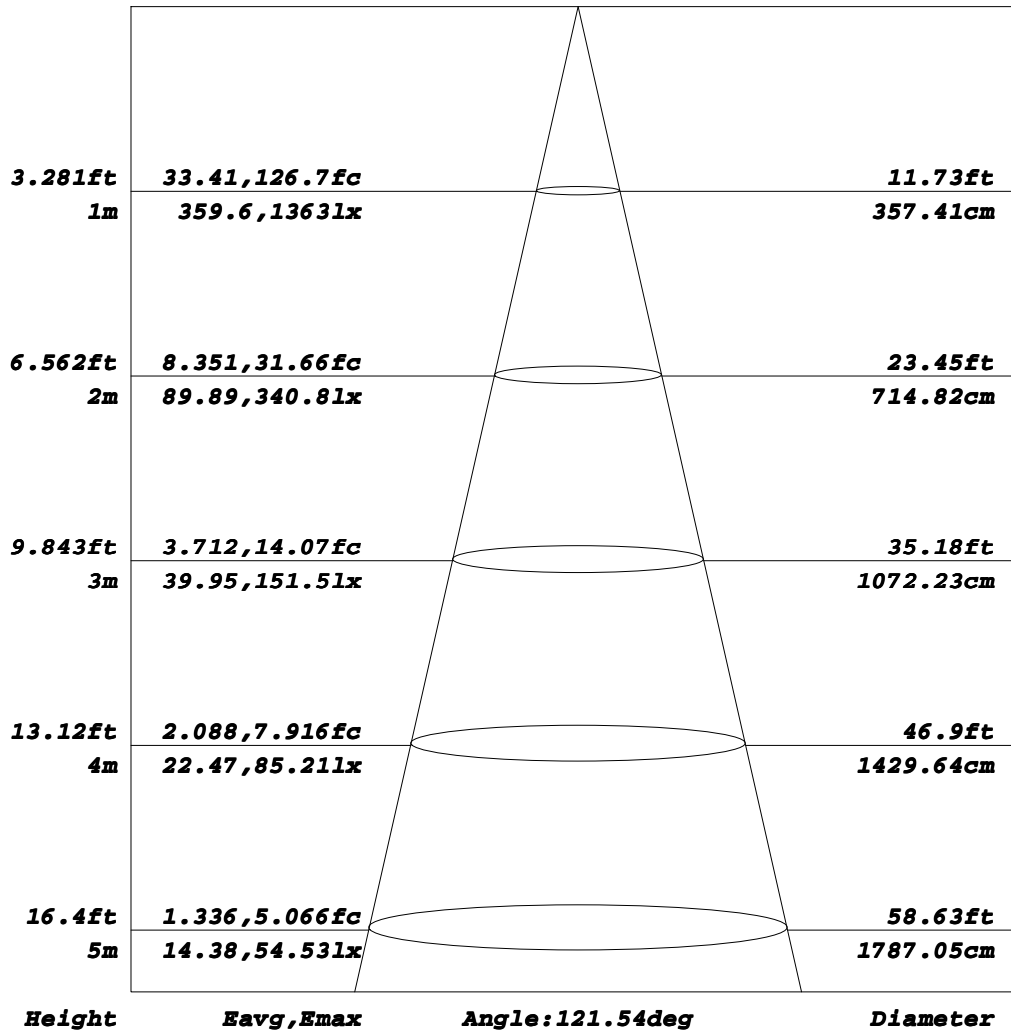
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Mr.Ma
Test Date:2023-03-23

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:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 50W)	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:3676 lm



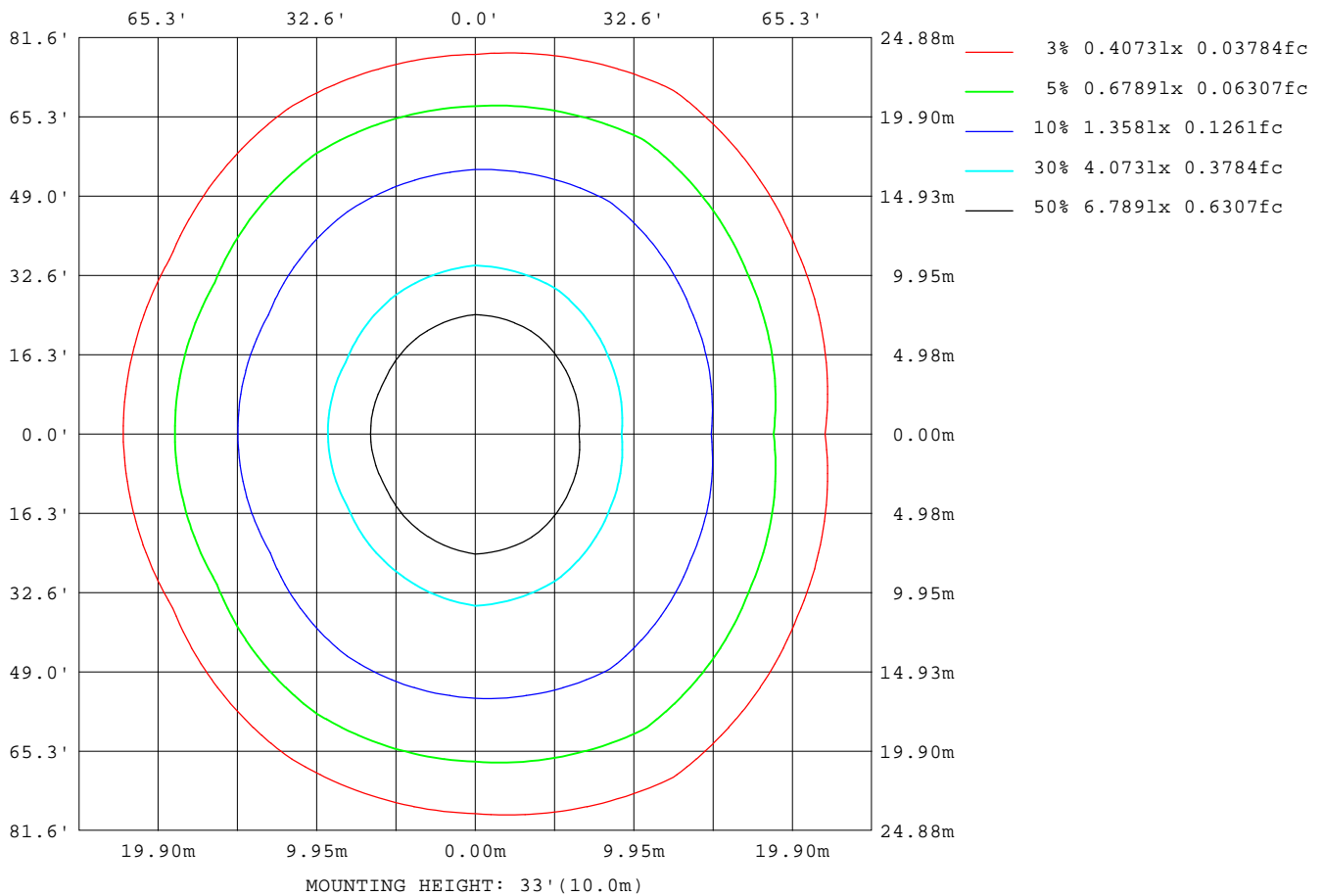
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 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:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 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	5293.75	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	13830	14361	15063	15936	17248	18531	19585	19846	19752	19377	18855	18155	17303	16157	15044	14122	13907	13927	14070
60	13800	14436	15254	16253	17782	19231	20341	20244	19740	19019	18614	18123	17484	16288	15081	14059	13861	13916	14094
65	13770	14567	15516	16618	18264	19768	20837	20396	19516	18486	18166	17849	17401	16200	14957	13899	13755	13870	14093
70	13764	14772	15873	17067	18772	20258	21211	20394	19112	17743	17429	17219	16926	15798	14630	13653	13652	13893	14194
75	13982	15253	16525	17798	19499	20880	21621	20337	18567	16787	16417	16281	16147	15187	14212	13438	13655	14072	14475
80	14830	16506	18038	19427	21124	22340	22735	20671	18085	15614	15141	15121	15254	14600	13983	13585	14200	14938	15523
85	18966	20784	22481	24057	26337	27877	28058	23835	18837	14265	13659	14131	15127	15160	15317	15752	17450	19101	20232

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

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	28058	200	---	500
Category 2	65 to 90	28058	200	---	500
Category 3	75 to 90	28058	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:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm		
NAME: LED337 W34A (3000K 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	5293.75	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	13830	14361	15063	15936	17248	18531	19585	19846	19752	19377	18855	18155	17303	16157	15044	14122	13907	13927	14070
60	13800	14436	15254	16253	17782	19231	20341	20244	19740	19019	18614	18123	17484	16288	15081	14059	13861	13916	14094
65	13770	14567	15516	16618	18264	19768	20837	20396	19516	18486	18166	17849	17401	16200	14957	13899	13755	13870	14093
70	13764	14772	15873	17067	18772	20258	21211	20394	19112	17743	17429	17219	16926	15798	14630	13653	13652	13893	14194
75	13982	15253	16525	17798	19499	20880	21621	20337	18567	16787	16417	16281	16147	15187	14212	13438	13655	14072	14475
80	14830	16506	18038	19427	21124	22340	22735	20671	18085	15614	15141	15121	15254	14600	13983	13585	14200	14938	15523
85	18966	20784	22481	24057	26337	27877	28058	23835	18837	14265	13659	14131	15127	15160	15317	15752	17450	19101	20232

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	28058	1000	1500	200	500
65 to 90	28058	1000	1500	200	500

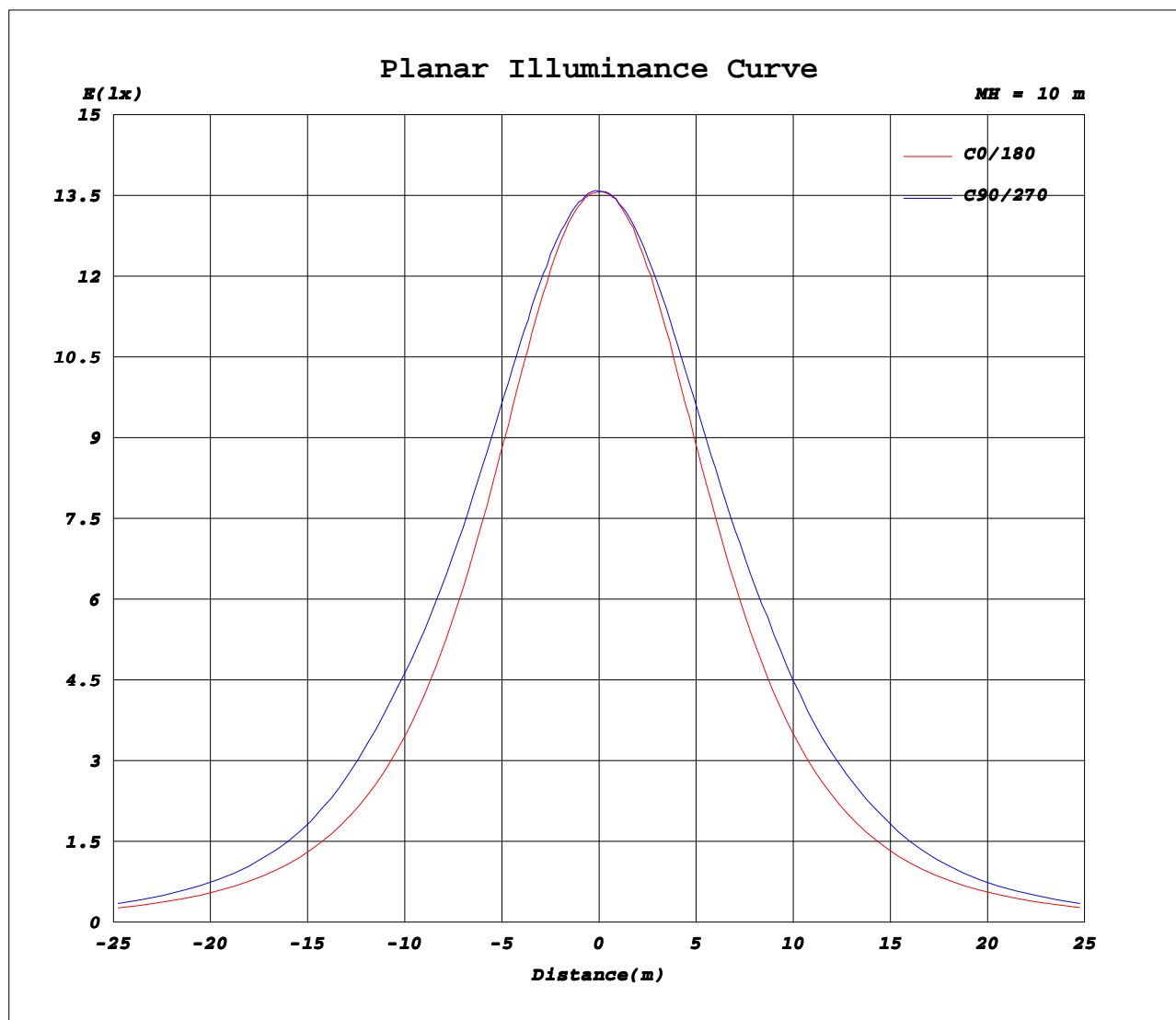
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

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:229.7V I:0.2078A P:46.68W PF:0.9779 Lamp Flux:5293.75x1 lm																	
NAME: LED337 W34A (3000K 50W)									TYPE:			WEIGHT:					
DIM.:									SPEC.:			SERIAL No.:					
MFR.:									SUR.:			PROTECTION ANGLE:					

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1358	1357	1360	1358	1361	1351	1358	1357	1360	1358	1361	1351						
5	1353	1357	1361	1357	1356	1346	1360	1353	1356	1359	1362	1350						
10	1342	1355	1359	1356	1346	1331	1351	1341	1348	1357	1358	1349						
15	1318	1343	1358	1353	1334	1310	1333	1320	1337	1353	1356	1338						
20	1285	1324	1353	1348	1319	1278	1301	1291	1322	1350	1350	1318						
25	1241	1296	1345	1347	1293	1240	1260	1253	1302	1343	1339	1289						
30	1190	1258	1332	1344	1269	1191	1207	1205	1278	1336	1323	1252						
35	1129	1211	1313	1334	1235	1133	1144	1148	1247	1327	1303	1204						
40	1057	1153	1287	1327	1193	1066	1073	1082	1207	1313	1275	1149						
45	977	1085	1252	1310	1140	988	991	1004	1159	1270	1237	1080						
50	890	1005	1205	1253	1075	899	903	917	1092	1197	1185	1002						
55	793	914	1138	1117	991	801	807	819	993	1106	1109	914						
60	690	813	1032	955	875	695	705	711	874	947	1002	812						
65	582	701	885	783	730	579	596	596	740	779	876	703						
70	471	581	723	607	572	459	485	475	586	607	728	587						
75	362	455	552	433	411	340	375	355	425	436	567	466						
80	258	330	387	269	258	230	270	242	272	273	403	345						
85	165	188	237	121	127	133	176	142	137	127	252	231						
90	98.5	98.8	109	15.8	82.0	102	105	103	78.0	16.3	121	133						
95	97.2	95.1	75.1	15.8	80.1	99.9	103	101	76.3	16.2	77.7	96.6						
100	95.6	93.2	73.7	15.8	76.9	97.5	102	98.9	74.2	16.7	74.7	95.1						
105	93.3	90.5	70.1	15.8	71.9	94.2	99.4	95.6	71.5	17.1	73.6	86.8						
110	90.3	86.9	63.2	15.6	65.1	90.0	96.4	91.5	66.7	17.1	67.5	87.0						
115	86.7	82.2	53.2	15.3	57.8	85.1	92.7	86.5	59.1	17.0	57.0	83.4						
120	81.5	74.9	45.7	14.9	51.4	79.5	88.2	80.0	50.9	16.6	48.2	77.9						
125	76.6	70.2	40.7	5.84	45.0	73.3	83.1	73.7	44.6	16.0	43.3	73.1						
130	71.2	61.0	35.3	5.87	38.6	66.5	77.2	66.9	38.0	7.44	37.9	64.7						
135	65.1	52.3	30.5	6.36	32.4	59.2	70.8	59.3	31.8	7.76	32.8	55.5						
140	58.3	43.9	26.3	6.85	26.9	51.7	63.6	51.7	26.3	8.08	28.4	47.2						
145	51.2	35.9	22.9	7.30	21.9	44.1	54.7	44.2	21.4	8.39	24.5	39.8						
150	43.9	29.9	20.9	7.73	17.5	36.6	45.0	36.8	17.1	8.64	21.6	33.4						
155	36.6	24.2	18.9	8.19	13.7	29.4	38.8	29.5	13.5	8.91	19.7	27.4						
160	29.3	19.3	17.0	8.63	10.4	22.6	31.3	22.7	10.3	9.14	17.7	22.3						
165	22.3	15.1	15.1	9.00	7.94	16.3	23.9	16.4	8.00	9.39	15.7	17.7						
170	15.9	12.0	13.1	9.33	7.96	11.0	16.9	11.1	7.97	9.64	13.7	14.0						
175	10.4	9.17	11.2	9.61	8.00	8.26	10.9	8.22	8.00	9.75	11.6	11.2						
180	9.15	8.51	9.33	9.84	9.48	8.58	9.17	8.47	9.23	9.87	9.47	8.53						

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: