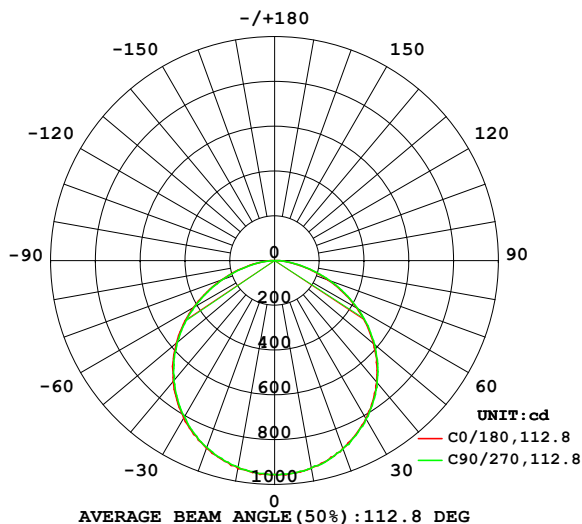


LUMINAIRE PHOTOMETRIC TEST REPORT

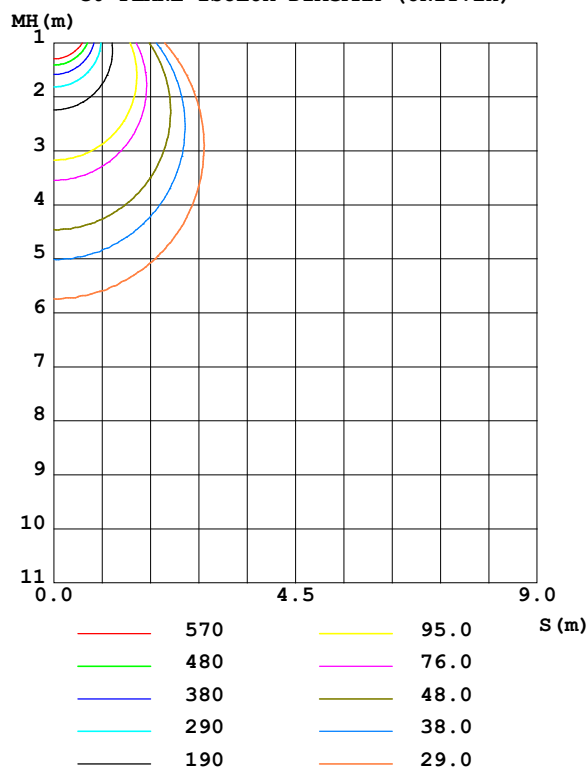
Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 110.19 lm/W			
MODEL	OYS25W	Imax (cd)	957.8	S/MH(C0/180)	1.26
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2722.2	η UP,DN(C0-180)	0.0,49.5
NOMINAL FLUX(lm)	2722.16	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down (%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [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	943.3	939.9	937.0	935.9	941.0	940.6	942.7	936.1	0- 10	90.42	90.42	3.32,3.32
20	891.0	889.2	886.4	887.3	891.0	894.6	895.2	890.4	10- 20	259.4	349.8	12.8,12.8
30	811.6	809.3	805.3	805.8	814.3	816.6	816.7	811.4	20- 30	394.0	743.8	27.3,27.3
40	705.5	700.3	701.8	701.2	709.1	710.3	712.6	704.7	30- 40	476.5	1220	44.8,44.8
50	573.8	569.1	568.1	563.9	576.8	579.1	582.1	572.3	40- 50	495.0	1715	63,63
60	417.7	412.9	413.0	409.7	424.2	424.5	429.2	418.2	50- 60	444.8	2160	79.4,79.4
70	251.0	248.1	245.6	244.6	255.2	258.7	262.1	251.5	60- 70	332.0	2492	91.5,91.5
80	97.63	98.11	93.11	93.98	100.7	106.5	104.9	99.64	70- 80	182.3	2674	98.2,98.2
90	1.583	1.386	1.387	1.434	1.672	2.520	3.130	2.420	80- 90	47.80	2722	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1469.8 lm

%lum = 54.0%

%lamp = 54.0%

Conical surface Flux(120deg): 2160.1 lm

%lum = 79.4%

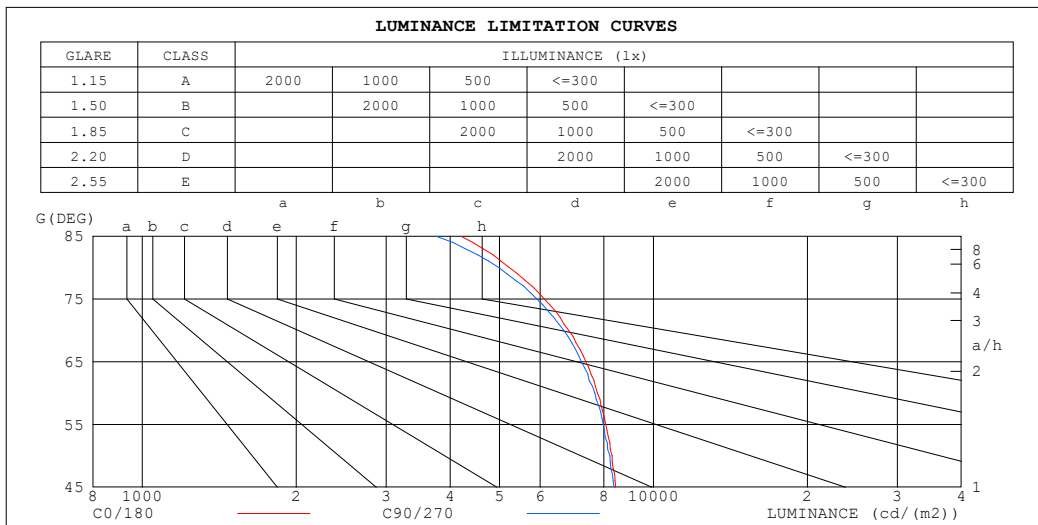
%lamp = 79.4%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Chen Songyu
 Test Date:2025-02-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:9.520m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4203	3754
80	5226	4985
75	6118	5913
70	6821	6676
65	7376	7230
60	7766	7680
55	8067	7969
50	8298	8218
45	8430	8379

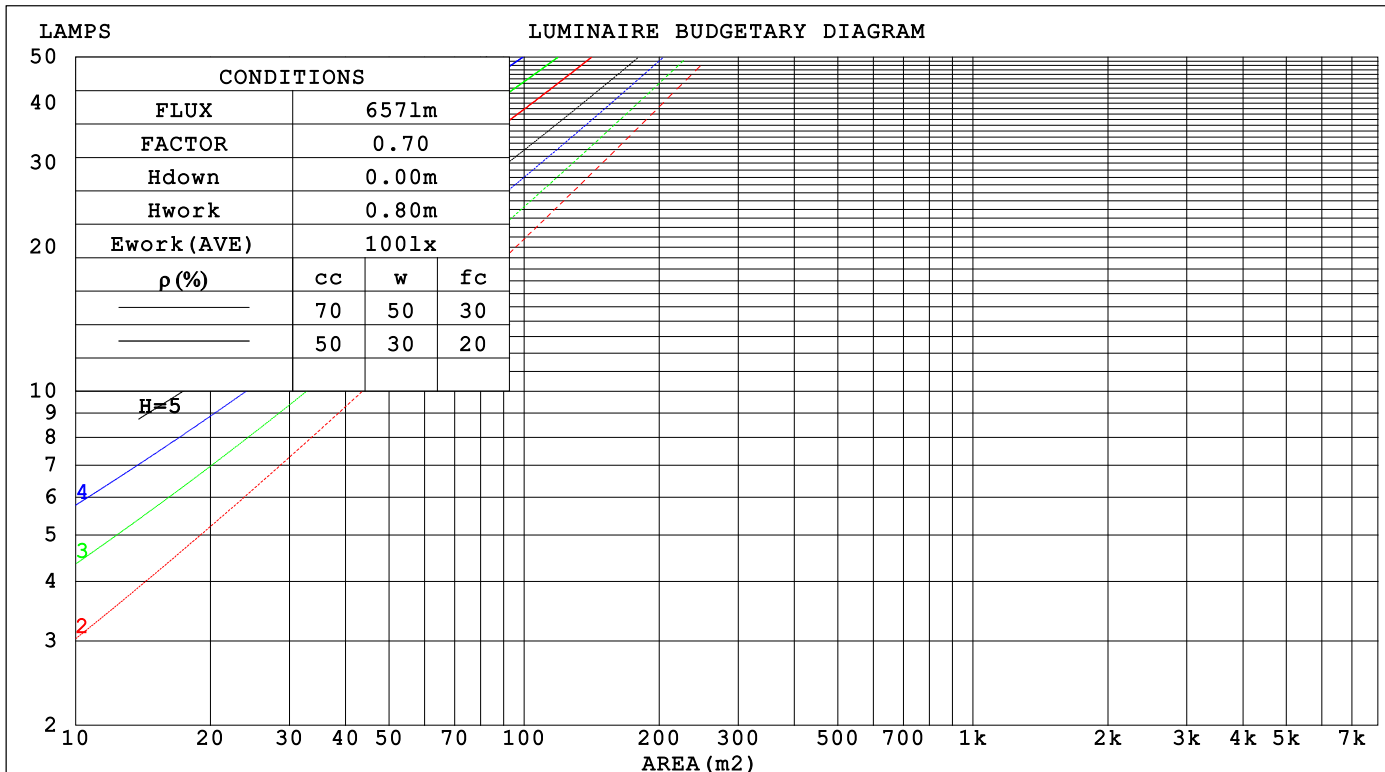
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: Chen Songyu
Test Date: 2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.520m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00														
1.0	1.04	.00	.96	1.02	.98	.94	.98	.94	.91	.94	.91	.89	.90	.88	.86	.84														
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.78	.74	.79	.75	.72	.70														
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.67	.62	.70	.65	.61	.59														
4.0	.70	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50														
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43														
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.51	.45	.40	.38														
7.0	.51	.43	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33														
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.44	.37	.32	.42	.36	.32	.30														
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27														
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

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	.307	.174	.055	.300	.171	.054	.286	.164	.052	.274	.158	.051	.263	.152	.049		
2.0	.290	.159	.049	.283	.156	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045		
3.0	.269	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.234	.130	.040		
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.226	.121	.037	.218	.118	.036		
5.0	.230	.117	.034	.225	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033		
6.0	.213	.107	.031	.209	.106	.030	.202	.104	.030	.195	.101	.030	.189	.099	.030		
7.0	.198	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027		
8.0	.185	.091	.025	.182	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025		
9.0	.174	.084	.023	.171	.083	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015		
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011		
3.0	.164	.114	.074	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009		
4.0	.157	.101	.058	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007		
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006		
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004		
8.0	.129	.069	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004		
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm										
Name: OYS25W					Type: 25W			Weight:		
SPEC.: 5700K					DIM.:			Instrument No.: HUP-IES-B3		
MFR.: EVERFINE					SUR.: 0.185			shielding 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	20.4	21.8	22.0	20.1	21.6	20.3	21.8	22.0
3H	21.5	22.9	21.8	23.2	23.4	21.5	22.9	21.8	23.1	23.3
4H	22.1	23.4	22.4	23.7	23.9	22.0	23.3	22.3	23.6	23.8
6H	22.4	23.7	22.8	24.0	24.2	22.3	23.6	22.6	23.8	24.1
8H	22.5	23.7	22.9	24.0	24.3	22.4	23.6	22.7	23.9	24.2
12H	22.6	23.7	22.9	24.0	24.3	22.4	23.6	22.8	23.9	24.2
4H 2H	20.7	22.0	21.0	22.3	22.5	20.6	22.0	21.0	22.2	22.5
3H	22.3	23.5	22.6	23.8	24.1	22.2	23.4	22.6	23.7	24.0
4H	22.9	24.0	23.3	24.3	24.7	22.9	23.9	23.2	24.3	24.6
6H	23.4	24.4	23.8	24.7	25.1	23.3	24.3	23.7	24.6	25.0
8H	23.6	24.4	24.0	24.8	25.2	23.4	24.3	23.9	24.7	25.1
12H	23.7	24.5	24.1	24.9	25.3	23.5	24.3	23.9	24.7	25.1
8H 4H	23.2	24.1	23.6	24.4	24.8	23.1	24.0	23.5	24.3	24.7
6H	23.8	24.5	24.2	24.9	25.3	23.7	24.4	24.1	24.8	25.2
8H	24.0	24.7	24.5	25.1	25.5	23.9	24.5	24.4	25.0	25.4
12H	24.2	24.7	24.6	25.2	25.6	24.0	24.6	24.5	25.0	25.5
12H 4H	23.2	24.0	23.6	24.4	24.8	23.1	23.9	23.5	24.3	24.7
6H	23.8	24.5	24.3	24.9	25.3	23.7	24.4	24.2	24.8	25.3
8H	24.1	24.6	24.6	25.1	25.6	24.0	24.5	24.5	25.0	25.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 2722 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.5)
Area: 0.10746 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

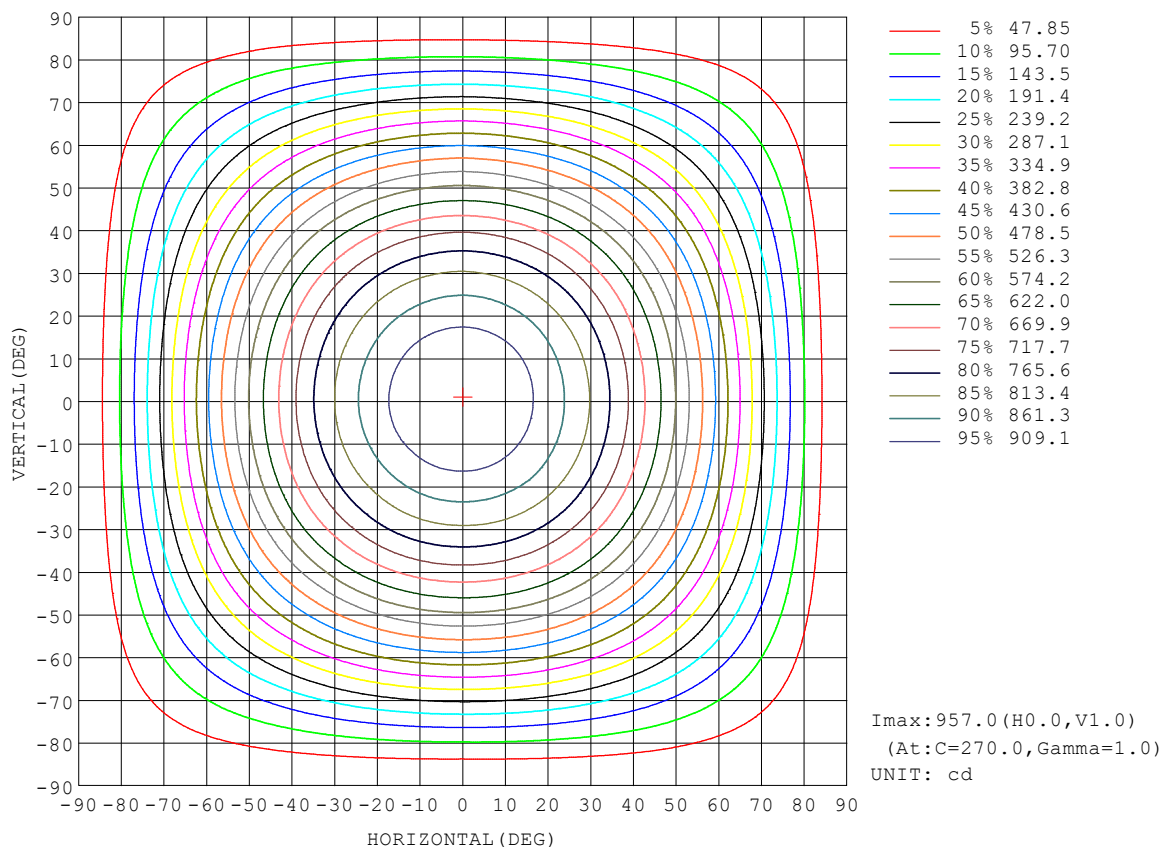
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	58	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	71	87	78	71	84	76	70	62
2.00	95	87	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	83	74
3.00	102	96	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	96	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: Chen Songyu
Test Date: 2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 9.520m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

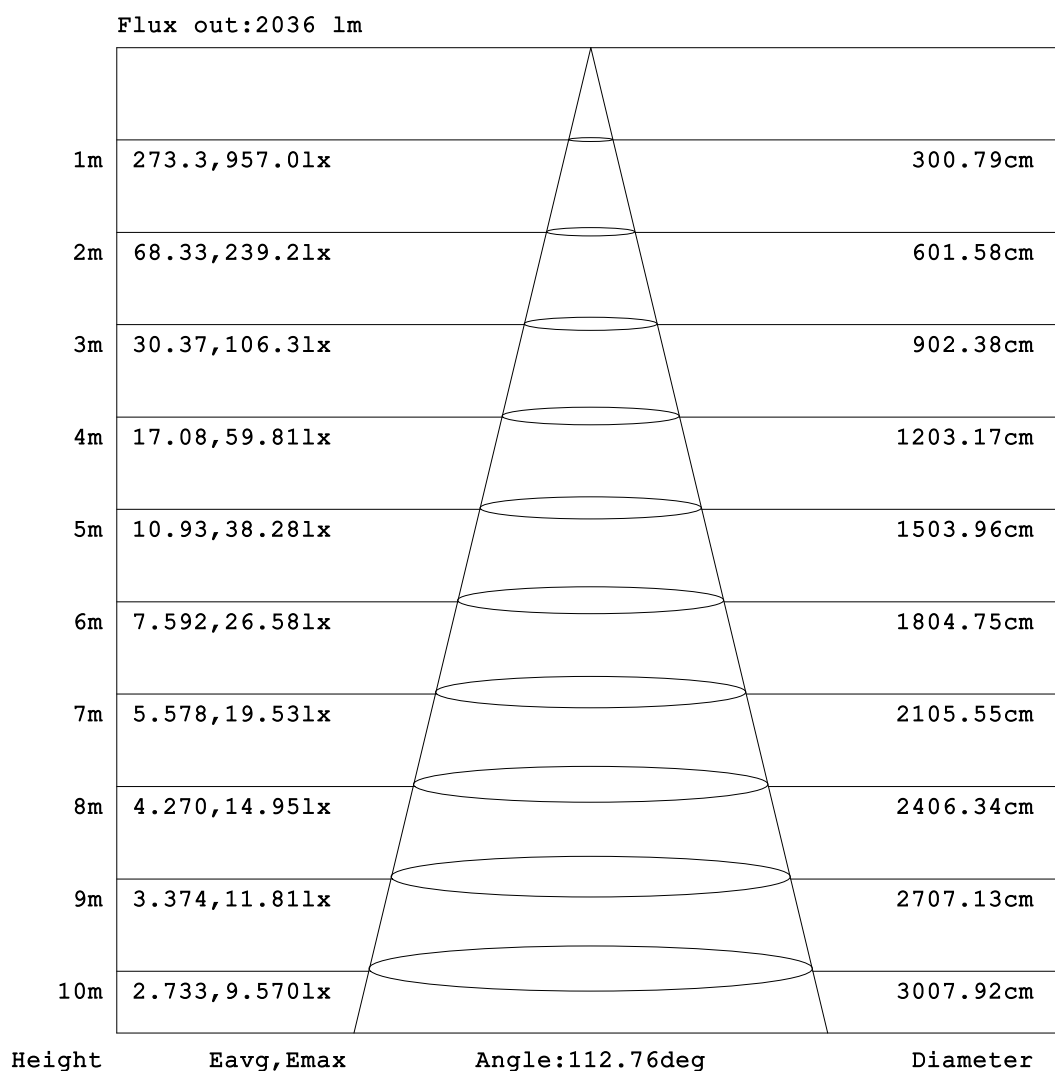


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

AAI Figure

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:



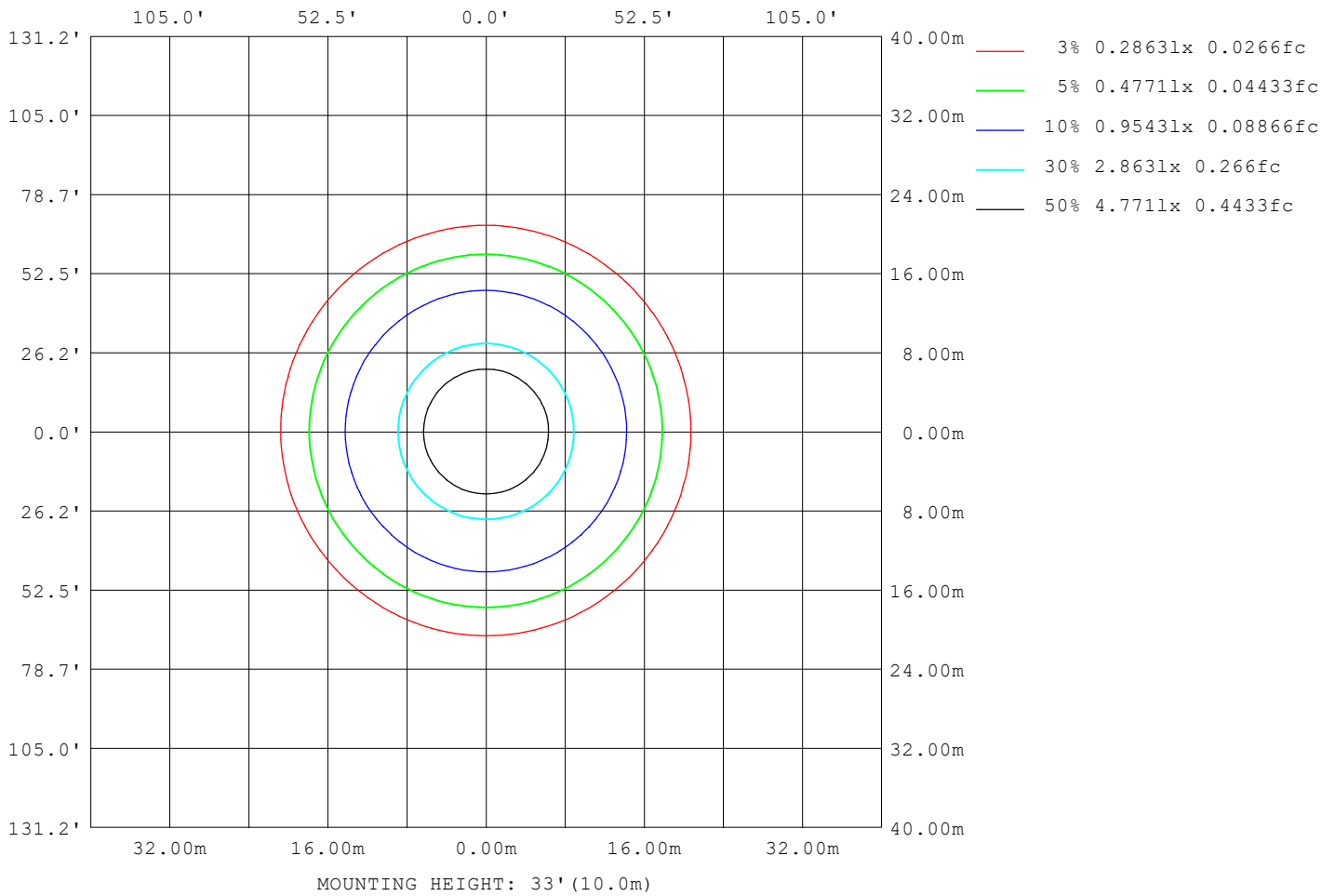
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

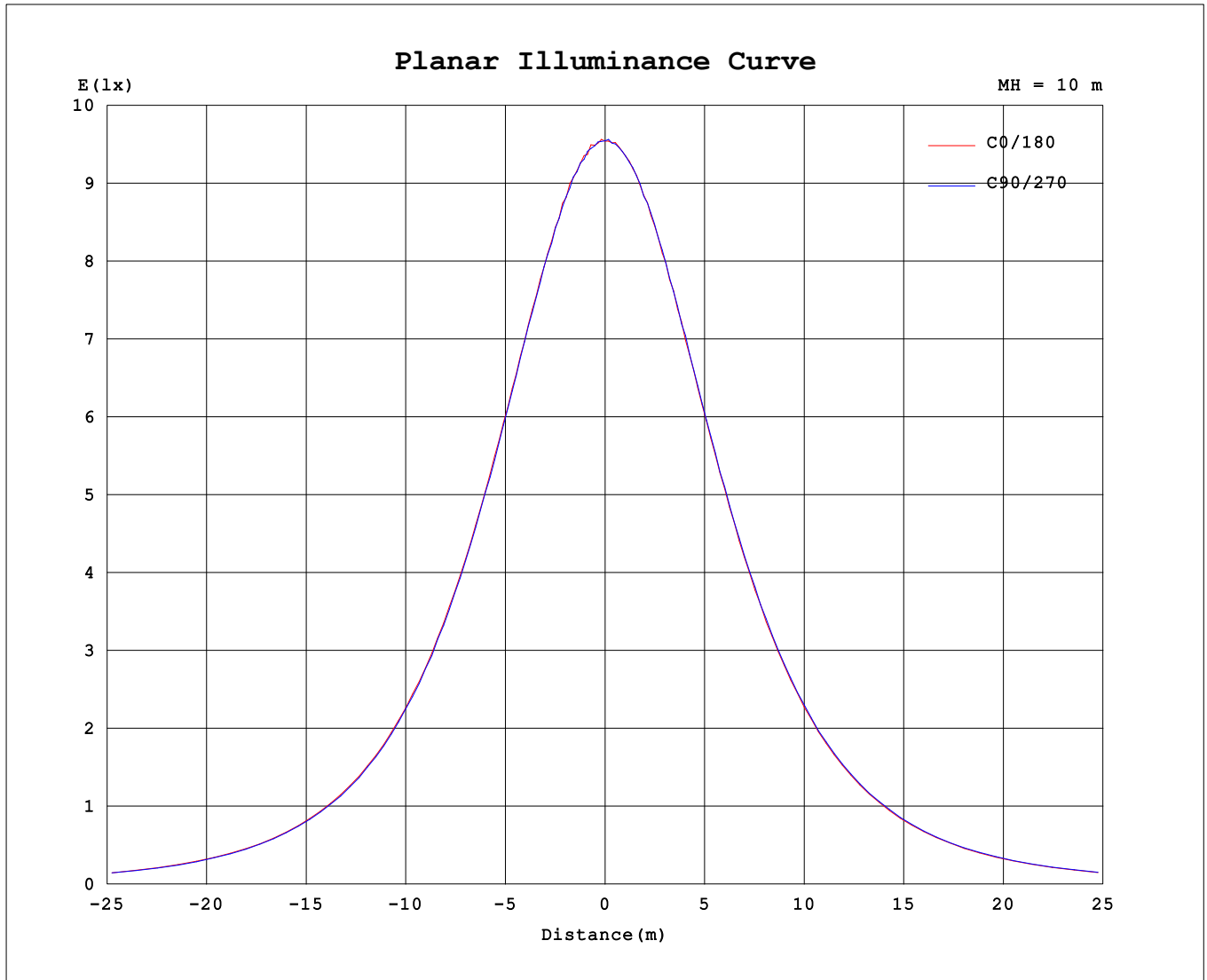
AvgL	cd/m2
L_0~180 (65) av	7427
L_0~180 (75) av	6199
L_0~180 (85) av	4330
L_90~270 (65) av	7433
L_90~270 (75) av	6192
L_90~270 (85) av	4238
L_45 (65) av	7340
L_45 (75) av	6143
L_45 (85) av	4445

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Chen Songyu
Test Date:2025-02-26

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3℃
 Operators: Chen Songyu
 Test Date: 2025-02-26

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 9.520m [K=1.0000]
 Remarks:

Test:U:240.25V I:0.1072A P:24.703W PF:0.9596 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:2722.16x1 lm		
Name: OYS25W	Type: 25W	Weight:
SPEC.: 5700K	DIM.:	Instrument No.: HUP-IES-B3
MFR.: EVERFINE	SUR.: 0.185	shielding angle:

UNIT: cd

[illegible]

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:9.520m [K=1.0000]
Remarks:

```