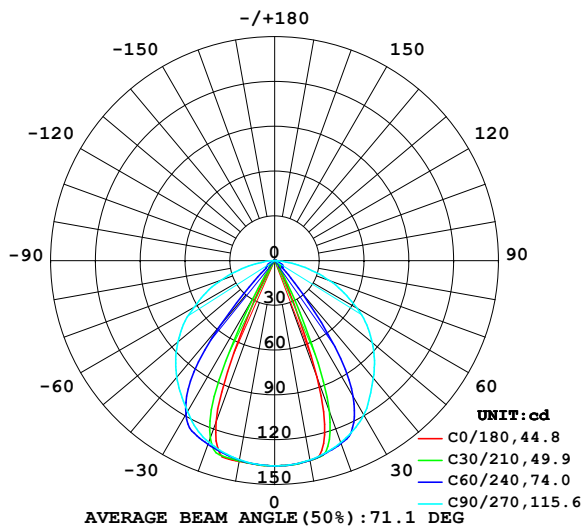


## LUMINAIRE PHOTOMETRIC TEST REPORT

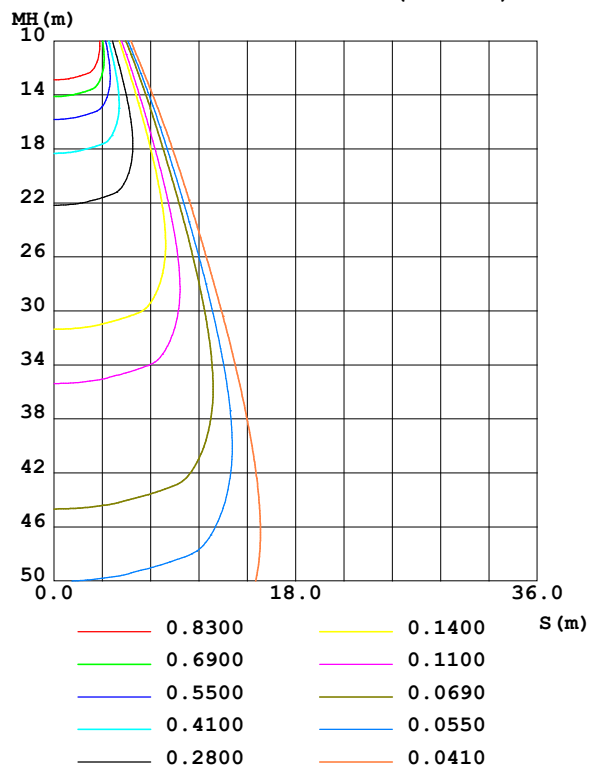
Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 58.95 lm/W
MODEL	DC12V	Imax (cd)	137.4	S/MH(C0/180)	0.67	
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	176.84	□ UP,DN(C0-180)	0.0,49.9	
NOMINAL FLUX(lm)	176.844	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,50.1	
LAMPS INSIDE	1	□ up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	219.5	□ down (%)	100.0	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	135.9	135.7	135.6	135.9	136.6	135.9	135.4	135.6	0- 10	13.05	13.05	7.38,7.38
20	82.92	124.6	129.7	132.5	115.2	132.4	129.4	127.7	10- 20	37.12	50.16	28.4,28.4
30	6.133	42.79	119.4	93.10	11.19	77.10	116.7	59.51	20- 30	42.66	92.82	52.5,52.5
40	4.839	6.299	102.9	11.28	4.665	7.099	102.0	6.751	30- 40	31.63	124.5	70.4,70.4
50	2.451	5.148	85.42	5.428	1.444	4.918	84.65	5.571	40- 50	23.42	147.9	83.6,83.6
60	1.068	1.949	63.61	1.632	0.9284	1.290	62.08	3.046	50- 60	16.05	163.9	92.7,92.7
70	0.8338	1.055	38.68	0.9757	0.8021	1.024	37.59	1.147	60- 70	7.830	171.7	97.1,97.1
80	0.8211	0.7709	14.00	0.7603	0.8084	0.7836	13.27	0.7984	70- 80	3.774	175.5	99.3,99.3
90	0.8274	0.7709	0.8932	0.7667	0.8084	0.7835	0.8298	0.7857	80- 90	1.320	176.8	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): 137.05 lm

%lum = 77.5%

%lamp = 77.5%

Conical surface Flux(130deg): 168.6 lm

%lum = 95.3%

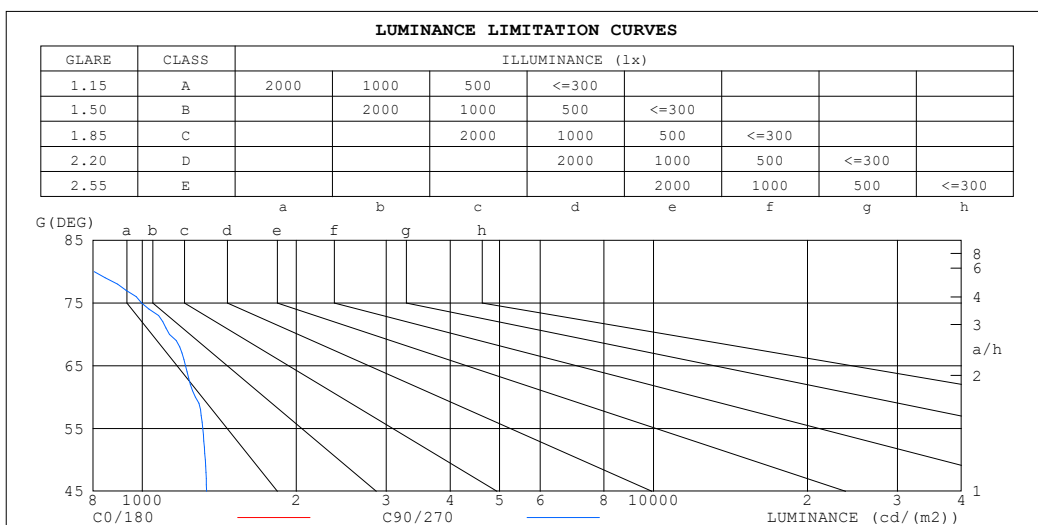
%lamp = 95.3%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:XLEN  
 Test Date:2022-06-17

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:9.420m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3w磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	94	357
80	47	805
75	32	997
70	24	1130
65	25	1214
60	21	1271
55	21	1312
50	38	1327
45	59	1336

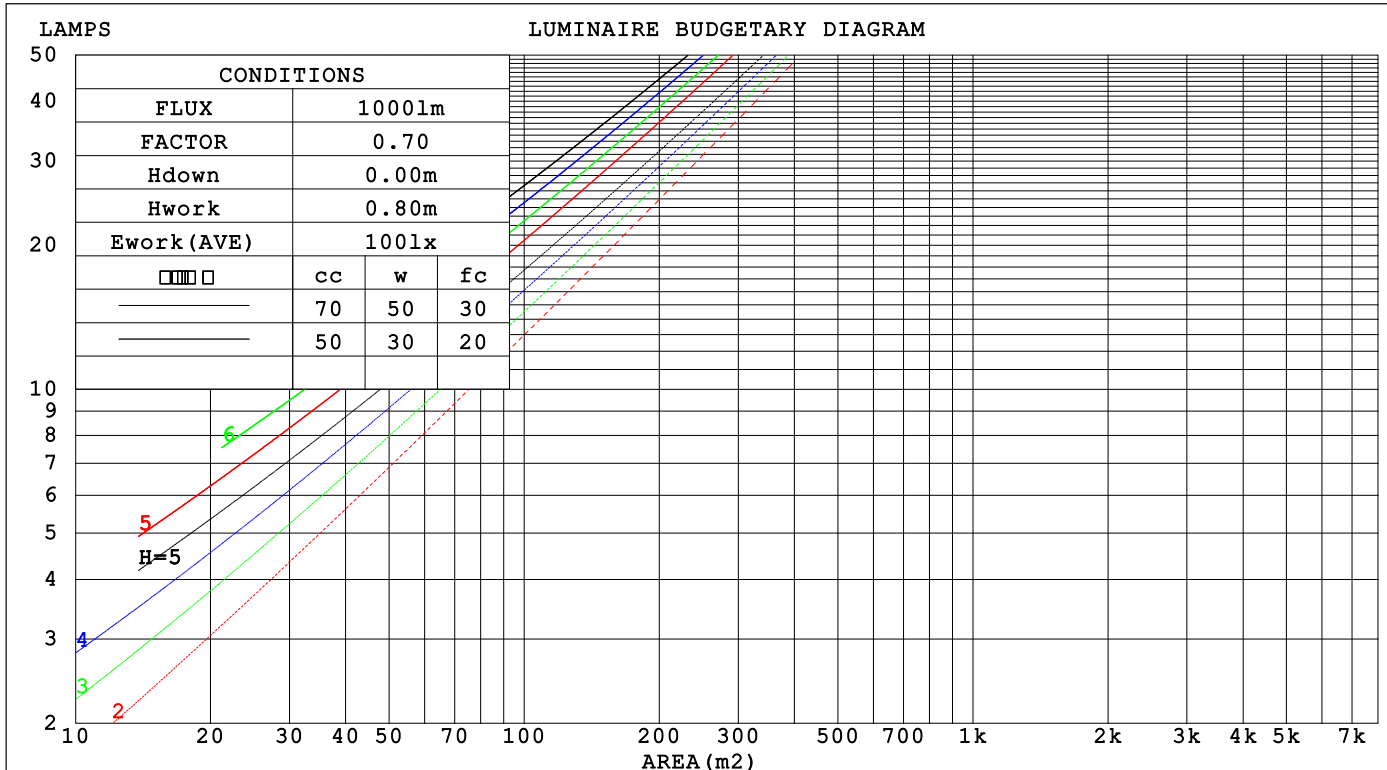
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.93	.89	.96	.92	.88	.93	.89	.86	.90	.87	.84	.87	.84	.82	.80
3.0	.89	.83	.78	.88	.82	.77	.85	.80	.76	.83	.78	.75	.80	.77	.74	.72
4.0	.82	.75	.70	.81	.74	.69	.78	.73	.68	.76	.71	.68	.74	.70	.67	.65
5.0	.75	.68	.63	.74	.68	.62	.72	.66	.62	.70	.65	.61	.69	.64	.61	.59
6.0	.70	.62	.57	.69	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.56	.54
7.0	.64	.57	.52	.64	.57	.52	.62	.56	.52	.61	.56	.51	.60	.55	.51	.50
8.0	.60	.53	.48	.59	.53	.48	.58	.52	.48	.57	.52	.48	.56	.51	.47	.46
9.0	.56	.49	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
10.0	.53	.46	.42	.52	.46	.41	.51	.45	.41	.50	.45	.41	.50	.45	.41	.40



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio		Wall Exitance Coefficients(WEC)			
0.0						
1.0	.229 .130 .041	.222 .126 .040	.209 .120 .038	.197 .114 .036	.186 .108 .035	
2.0	.218 .120 .037	.212 .117 .036	.201 .112 .035	.191 .107 .034	.182 .103 .032	
3.0	.206 .110 .033	.201 .108 .032	.191 .104 .031	.182 .100 .031	.174 .096 .030	
4.0	.194 .101 .030	.189 .099 .029	.181 .096 .029	.173 .093 .028	.166 .090 .027	
5.0	.182 .093 .027	.178 .092 .027	.171 .089 .026	.164 .087 .026	.158 .084 .025	
6.0	.172 .086 .025	.168 .085 .024	.162 .083 .024	.156 .081 .024	.150 .079 .023	
7.0	.162 .080 .023	.159 .079 .023	.153 .077 .022	.148 .076 .022	.143 .074 .022	
8.0	.153 .075 .021	.151 .074 .021	.145 .073 .021	.140 .071 .021	.136 .070 .020	
9.0	.145 .070 .020	.143 .070 .020	.138 .068 .019	.134 .067 .019	.130 .066 .019	
10.0	.138 .066 .018	.136 .066 .018	.132 .065 .018	.128 .063 .018	.124 .062 .018	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	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	.175 .157 .141	.149 .135 .121	.102 .093 .084	.059 .054 .049	.019 .017 .016	
2.0	.162 .132 .107	.139 .114 .092	.095 .079 .064	.055 .046 .038	.018 .015 .012	
3.0	.152 .114 .083	.130 .098 .072	.090 .068 .051	.052 .040 .030	.017 .013 .010	
4.0	.143 .100 .067	.123 .086 .058	.084 .060 .041	.049 .035 .024	.016 .011 .008	
5.0	.135 .089 .054	.116 .077 .047	.080 .054 .033	.046 .031 .020	.015 .010 .007	
6.0	.128 .080 .045	.110 .069 .039	.076 .048 .028	.044 .028 .017	.014 .009 .005	
7.0	.122 .073 .038	.105 .063 .033	.072 .044 .024	.042 .026 .014	.014 .009 .005	
8.0	.116 .067 .033	.100 .058 .029	.069 .041 .020	.040 .024 .012	.013 .008 .004	
9.0	.110 .061 .029	.095 .053 .025	.066 .037 .018	.038 .022 .011	.012 .007 .003	
10.0	.105 .057 .025	.091 .050 .022	.063 .035 .016	.037 .021 .009	.012 .007 .003	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	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	-1.2	-0.1	-1.0	0.1	0.3	18.3	19.4	18.5	19.6	19.8
3H	-0.6	0.5	-0.3	0.7	0.9	19.8	20.9	20.1	21.1	21.3
4H	0.0	1.0	0.3	1.3	1.5	20.6	21.6	20.9	21.8	22.1
6H	1.0	2.0	1.3	2.2	2.5	21.1	22.1	21.5	22.4	22.6
8H	1.7	2.7	2.1	2.9	3.2	21.3	22.3	21.6	22.5	22.8
12H	2.7	3.6	3.0	3.9	4.1	21.4	22.3	21.7	22.6	22.8
4H 2H	0.6	1.7	0.9	1.9	2.1	18.0	19.0	18.3	19.2	19.5
3H	1.2	2.1	1.5	2.4	2.7	19.5	20.4	19.8	20.7	21.0
4H	1.8	2.6	2.1	2.9	3.2	20.3	21.1	20.7	21.4	21.7
6H	2.8	3.5	3.1	3.8	4.2	20.9	21.6	21.3	22.0	22.3
8H	3.5	4.2	3.9	4.5	4.9	21.1	21.8	21.5	22.1	22.5
12H	4.5	5.1	4.9	5.5	5.9	21.2	21.8	21.6	22.2	22.6
8H 4H	2.4	3.1	2.8	3.4	3.8	20.2	20.8	20.6	21.2	21.6
6H	3.6	4.1	4.0	4.5	5.0	20.8	21.3	21.2	21.7	22.1
8H	4.5	5.0	5.0	5.4	5.9	21.0	21.5	21.4	21.9	22.3
12H	5.7	6.2	6.2	6.6	7.1	21.1	21.5	21.5	21.9	22.4
12H 4H	2.5	3.1	3.0	3.5	3.9	20.1	20.7	20.5	21.1	21.5
6H	3.8	4.3	4.3	4.7	5.2	20.7	21.2	21.2	21.6	22.1
8H	4.8	5.3	5.3	5.7	6.2	20.9	21.4	21.4	21.8	22.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.6					+ 1.7 / - 2.3				
1.5H	+ 0.4 / - 0.6					+ 2.7 / - 4.9				
2.0H	+ 1.3 / - 0.6					+ 3.9 / - 6.7				

CIE Pub.117, 176.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.0)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

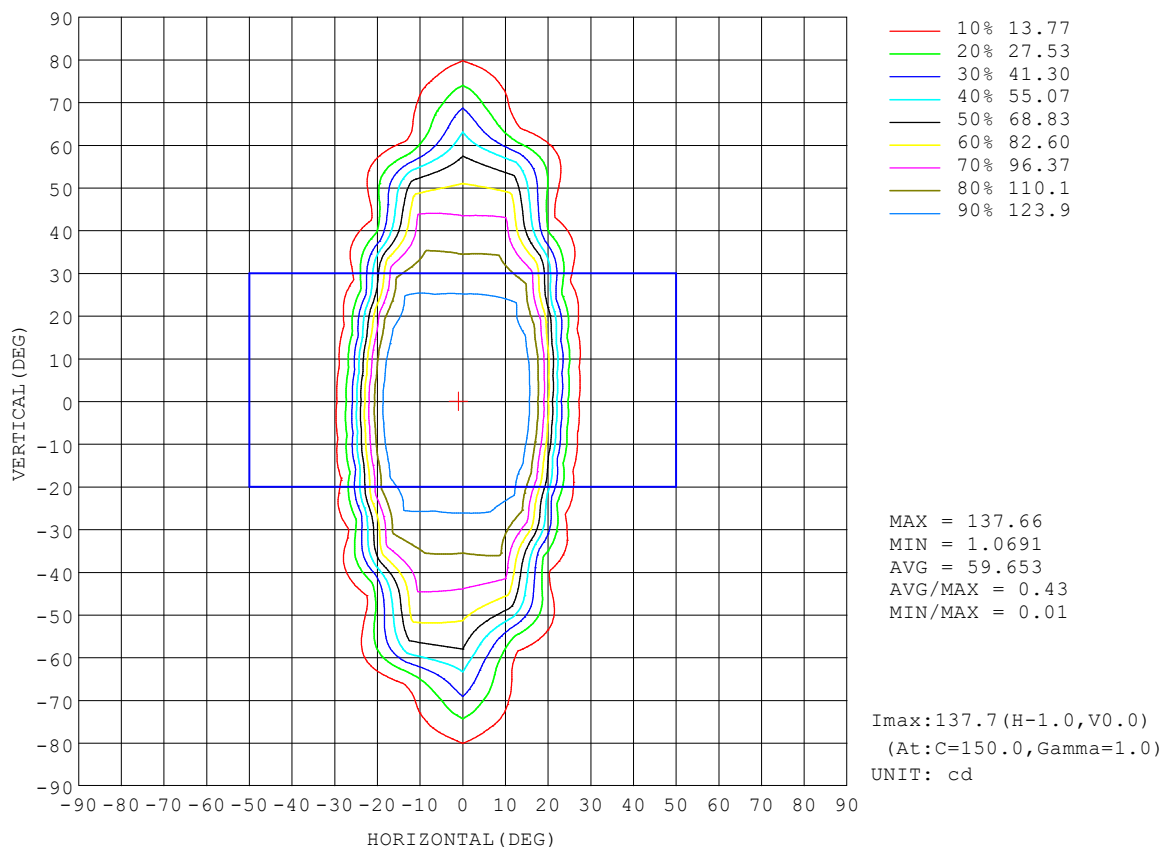
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	73	64	59	72	64	59	71	63	58	53
0.80	82	73	68	81	73	68	80	72	67	62
1.00	89	81	75	88	80	75	86	81	75	69
1.25	94	87	82	93	86	81	91	85	81	75
1.50	98	91	86	97	90	86	94	89	85	79
2.00	103	97	92	101	96	92	98	94	90	84
2.50	105	100	96	104	99	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	89
4.00	111	107	103	108	105	102	104	102	99	91
5.00	112	109	106	110	107	104	106	103	101	93
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: XLEN  
Test Date: 2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 9.420m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



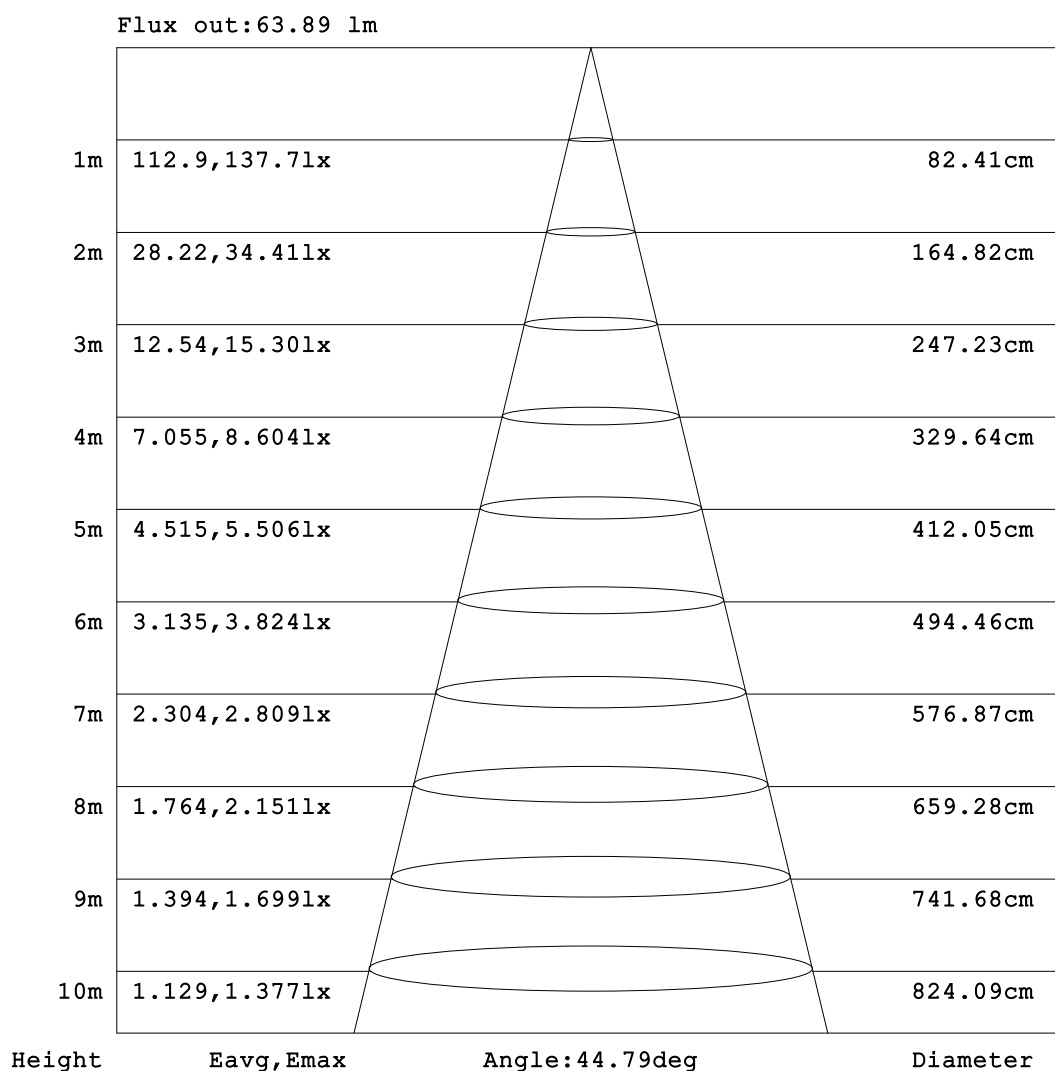
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3w磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



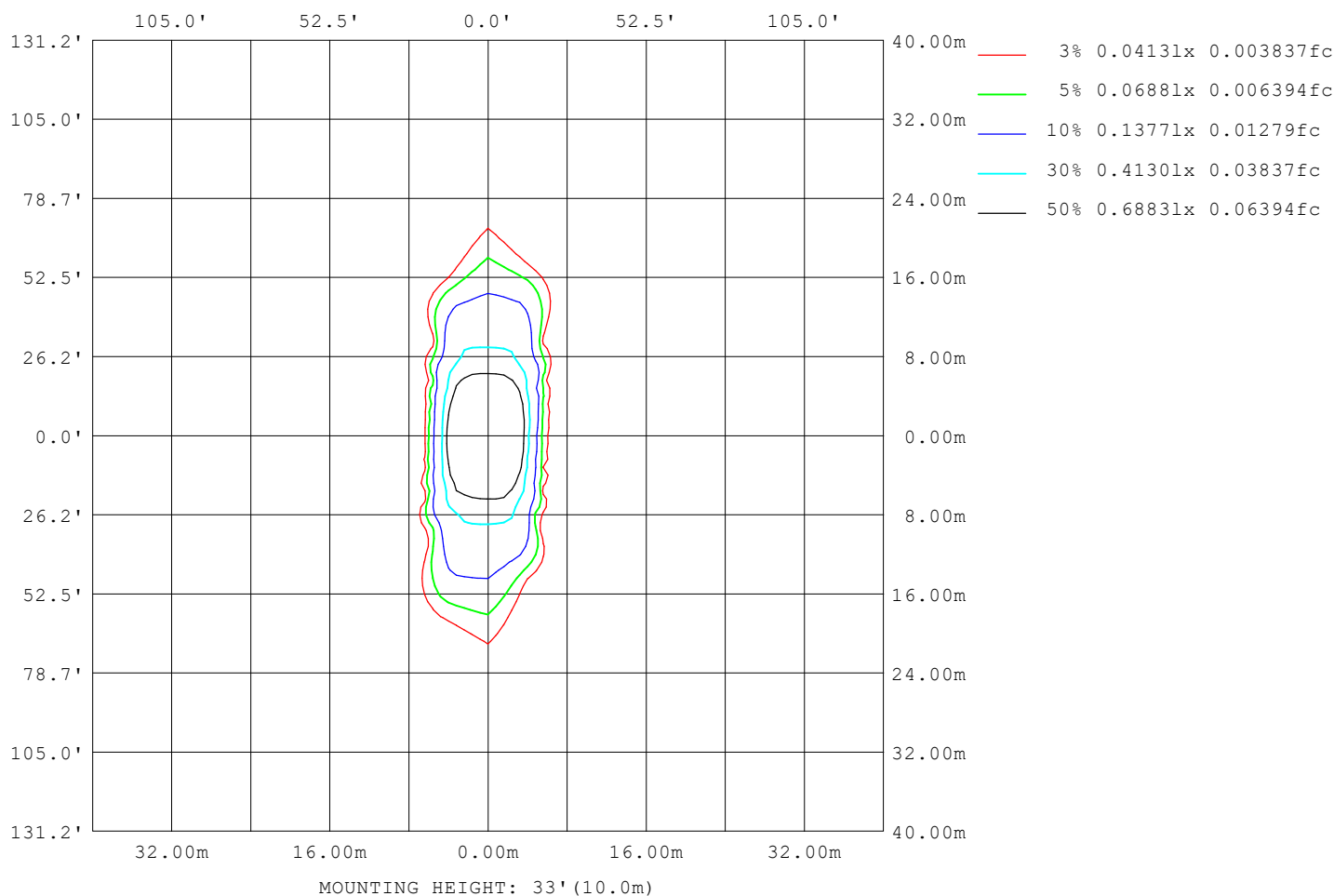
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

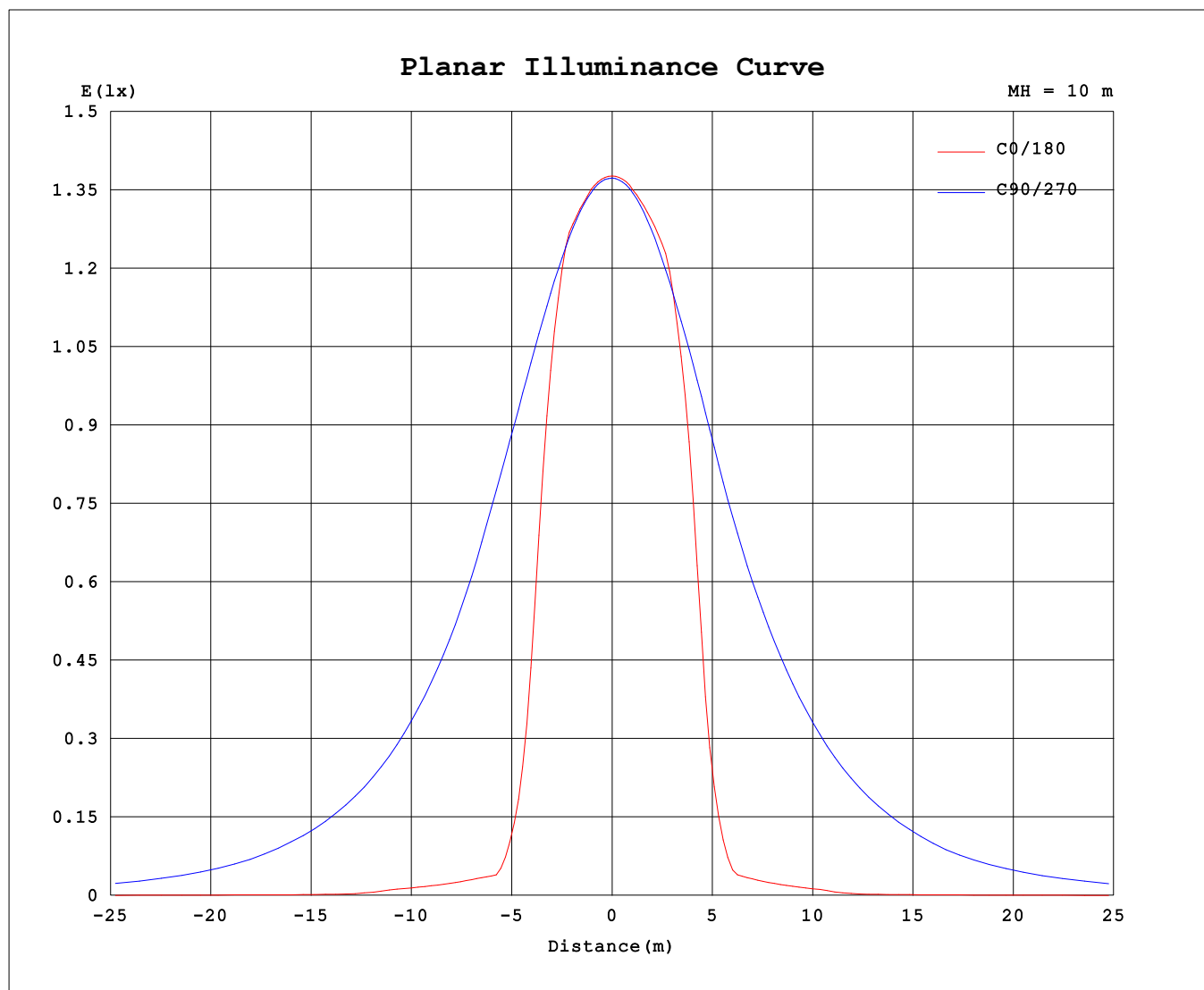
AvgL	cd/m2
L_0~180 (65) av	23
L_0~180 (75) av	31
L_0~180 (85) av	93
L_90~270 (65) av	1208
L_90~270 (75) av	983
L_90~270 (85) av	428
L_45 (65) av	26
L_45 (75) av	31
L_45 (85) av	89

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:XLEN  
Test Date:2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:9.420m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: XLEN  
Test Date: 2022-06-17

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 9.420m [K=1.0000]  
Remarks:

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:9.420m [K=1.0000]
Remarks:

```

Test:U:11.990V I:0.2500A P:3.0000W PF:0.0000 Freq:49.99Hz Lamp Flux:176.844x1 lm		
NAME: 3W磁吸泛光灯	TYPE:	WEIGHT:
SPEC.: 4000K/黑色	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

UNIT: cd

[illegible]

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.458
Humidity:65.0%
Test Distance:9.420m [K=1.0000]
Remarks:

```