



佛山市其利照明电器有限公司

Foshan Kili-LED Lighting Co., Ltd

广东省佛山市南海区丹灶镇西联三甲开发区细冲 23 号

No. 23 Xichong, Xilian Sanjia Development Area, Danzao Town, Nanhai District, Foshan City, Guangdong

# 产品测试报告

成品料号:

产品型号:

产品规格:

日期:

7.5寸微波款筒灯

7.5寸15W开关2模式+微波感应

2022-7-28

灯具产品

驱动电源

表单编号: QR-GC11 版本: A/0

核 准

审 核

制 作

基本信息

Essential Information

产品名称 Product name	7.5 寸微波款筒灯	产品型号 Model No.	
电源类别 The power category	<input type="checkbox"/> 恒流 <input type="checkbox"/> 恒压 <input checked="" type="checkbox"/> 线性 <input type="checkbox"/> 其它 <input checked="" type="checkbox"/> 自制 <input type="checkbox"/> 外购 <input type="checkbox"/> 其它		

电性参数

lectrical parameters

序号	功率 (W)	输入电压 (V)	输入电流 (A)	功率因数 (PF)
1	15	120	0.13	0.9

产品照片

Product photos



## 电性测试

### 一、测试设备

序号	仪器设名称/型号	序号	仪器设名称/型号
1	变频电源 APS-400B	4	多路温度记录仪 TCP-XL
2	电性综合测试仪 UI2058F	5	分布光度计 EVERFINE GO-2000A
3	电子负载: IT8512A	6	
Product name/产品名称: 7.5 寸微波款筒灯		Model No./产品型号:	
Product No./产品编码:		In&output spec/输入输出:	

### 二、基本电气参数测试

序号	Vi (V)	Ii (mA)	Pi (W)	PF	THD (%)	Vo (V)	Io (mA)	Po (W)	效率 (%)	纹波电压	备注
1	120	0.13	15	0.9	34%	126	0.07	9.7	65%		

### 三、温升测试

No.	Channel No.	Test component point	120V/60Hz	Spec. (°C)	
1	CH1	FR1	79	130	
2	CH2	U1	83	150	
3	CH3	U2	85	150	
4	CH4	BD1	78	150	
5	CH5	U4	75	150	
6	CH6	EC1	61	105	
7	CH7	LED	65	120	
8					
9					
10					
11					
12					
13					
14					
15					

### 四、待机功耗: 0.5W

TESTED BY/测试者:	Checked by/审核:	Date/日期:
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**功能测试**  
**functional testing**

五、调光方式测试:

无 可控硅 0-10V 1-10V Dali 涂鸦 其它

序号	调光器品牌	调光器型号	输入电压	兼容性	调光范围	备注
1	LUTRON	AYCL-153P	120V	是	0-100	
2	LEVITON	TSL06	120V	是	0-100	
3	LISTED	10464	120V	是	0-100	
4	LUTRON	DVCL-153P	120V	是	0-100	
5	LISSTED	18021	120V	是	0-100	
6	LUTRON	MACL-163M	120V	是	0-100	
7	LEVITON	IPL06	120V	是	0-100	
8	LEVITON	6674	120V	是	0-100	
9	LEVITON	6672-ILT	120V	是	0-100	
10						

六、色温控制方式测试六、色温控制方式测试

无 拨码3色温 拨码5色温 其它

序号	色温1	色温2	色温3		
1	3000K	4000K	5000K		
2					

七、开关切换模式测试

无 开关2模式 开关3模式 开关4模式 其它

开关顺序	亮灯模式	时间间隔	备注
1	首次开灯	/	复位后恢复默认为主灯亮
2	二次关开	3S	
3	三次关开	3S	
4	复位时间	25S	

八、感应方式测试

无 红外 光感 微波 其它

序号	感应范围	延时时间	方向	备注
1	4M	30S	东	灯具背面有一白色圆形按键，“●”为微波功能打开，“■”为微波功能关闭，微波感应功能仅限夜光照明使用。
2	4M	29S	南	
3	4.2M	29S	西	
4	4.1M	30S	北	
5				

TESTED BY/测试者:	Checked by/审核:	Date/日期:
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**安规测试**  
**Safety regulation test**

Product name/产品名称:

Model No./产品型号:

Product No./产品编码:

In&output spec/输入输出:

谐波测试:

#	Vi (V)	Ii (mA)	Pi (W)	PF	THD (%)	备注
1	120	0.13	15.5	0.9	24	
2						

**九. 输入电压与输入电流导通角:**

#	AC 电压 60° 前有输入电流	AC 电压 65° 前输入电流达到最大值	AC 电压 90° 后输入电流才可以关掉 (为 0)
1	/	/	/

EMC 测试: (见附件)

光电参数测试: (见附件 1/2/3)

防护等级:

灯具类型	标准	电压	测试条件	判定
一类灯具	CE\CCC	2U+1000=1500V	5mA 60s	/
二类灯具	CE\CCC	4U+2750V=3750V	5mA 60s	/
/	ETL	1000V/60S	爬升时间 5S 截断电流 8.3mA	OK

TESTED BY/测试者:

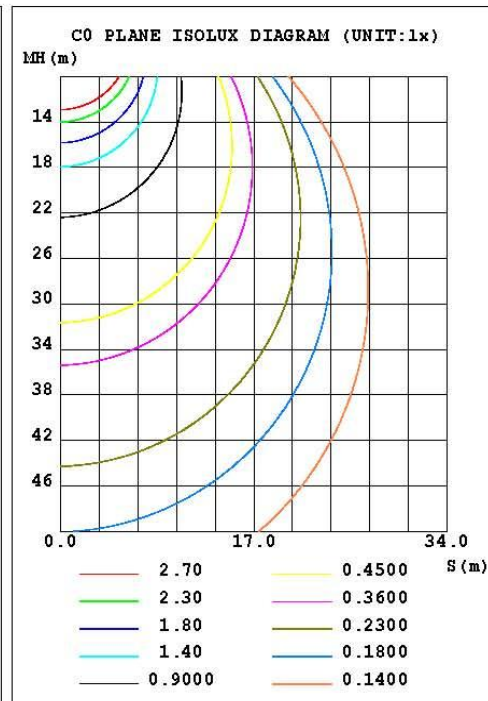
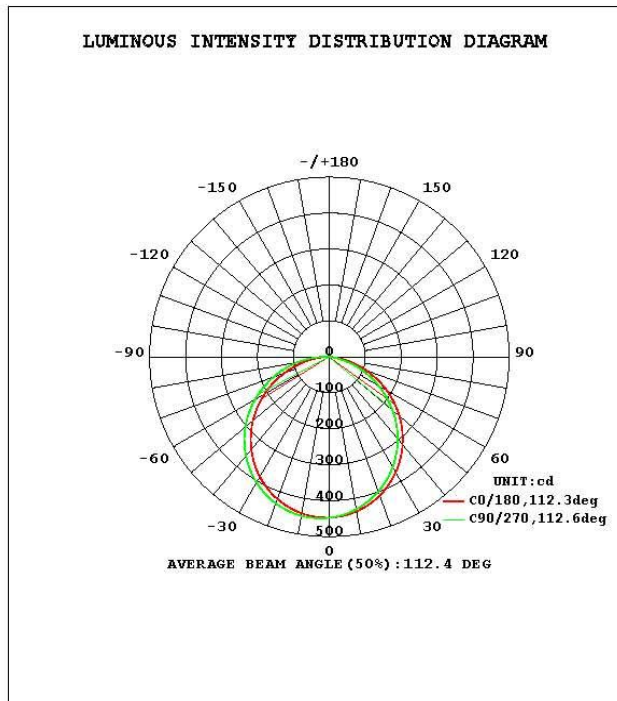
Checked by/审核:

Date/日期:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.61 lm/W
MODEL	3000K	I <sub>max</sub> (cd)	450.3	S/MH (C0/180)	1.24	
NOMINAL POWER (W)	16	LOR (%)	100.0	S/MH (C90/270)	1.18	
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1289.7	η UP, DN (C0-180)	0.1, 43.5	
NOMINAL FLUX (lm)	1289.66	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 56.1	
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	120.6	η down (%)	99.6	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	± zone	± total	±lum, lamp
10	436.2	432.6	430.4	430.5	442.1	446.1	448.8	448.6	0- 10	42.32	42.32	3.28,3.28
20	410.0	402.8	398.4	398.5	421.5	429.2	434.1	433.6	10- 20	121.2	163.6	12.7,12.7
30	369.7	359.0	353.1	353.1	386.3	397.7	404.7	403.6	20- 30	189.8	347.4	26.9,26.9
40	316.9	309.3	295.7	295.7	337.9	352.2	361.1	359.7	30- 40	221.8	569.2	44.1,44.1
50	253.6	237.9	228.6	228.6	278.2	295.2	305.4	303.7	40- 50	230.1	799.2	62,62
60	182.3	165.4	155.6	155.2	209.3	228.5	239.6	237.9	50- 60	207.6	1007	78.1,78.1
70	107.1	90.78	81.42	80.28	135.0	155.4	167.1	164.7	60- 70	158.2	1165	90.3,90.3
80	37.36	23.74	15.92	15.67	61.75	80.92	91.89	89.35	70- 80	91.44	1257	97.4,97.4
90	0.1817	0.1996	0.2004	0.2265	2.592	15.59	18.80	22.52	80- 90	28.28	1285	99.6,99.6
100	0.1817	0.2824	0.2420	0.3106	0.2729	0.1993	0.2422	0.2014	90-100	1.707	1287	99.8,99.8
110	0.2891	0.4070	0.3590	0.4281	0.4131	0.2990	0.3591	0.2854	100-110	0.3127	1287	99.8,99.8
120	0.4212	0.5398	0.4923	0.5705	0.5534	0.4400	0.4930	0.4279	110-120	0.4197	1287	99.8,99.8
130	0.5698	0.6645	0.6095	0.6799	0.7021	0.5813	0.6596	0.5705	120-130	0.5042	1288	99.9,99.9
140	0.6937	0.7974	0.7429	0.8055	0.8507	0.7059	0.7932	0.7132	130-140	0.5417	1288	99.9,99.9
150	0.8177	0.9302	0.8762	0.9481	0.9746	0.8470	0.9351	0.8558	140-150	0.5222	1289	99.9,99.9
160	0.9581	1.038	0.9851	1.041	1.090	0.9634	1.052	0.9649	150-160	0.4420	1289	100,100
170	1.074	1.138	1.102	1.166	1.165	1.079	1.144	1.082	160-170	0.2997	1290	100,100
180	1.156	1.163	1.144	1.158	1.165	1.129	1.152	1.158	170-180	0.1079	1290	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

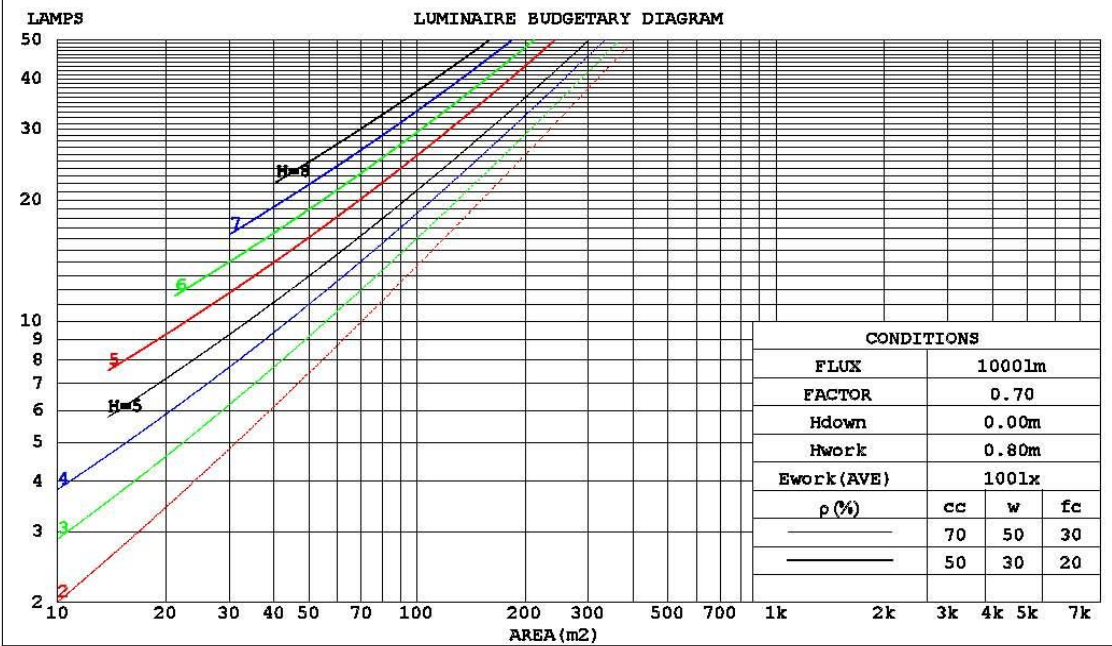
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			D
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	D
pfc	20%			20%			20%			20%			20%			D
RCA	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	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:



WEC AND CCEC

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.313	.178	.056	.306	.175	.055	.293	.168	.054	.280	.162	.052	.269	.156	.050	
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045	
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.114	.033	.211	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.159	.137	.157	.136	.118	.107	.094	.082	.062	.054	.047	.020	.017	.015	
2.0	.175	.135	.101	.150	.116	.087	.103	.080	.061	.059	.047	.036	.019	.015	.012	
3.0	.168	.117	.077	.144	.101	.067	.099	.070	.047	.057	.041	.028	.018	.013	.009	
4.0	.160	.104	.061	.137	.090	.053	.094	.063	.037	.055	.037	.022	.018	.012	.007	
5.0	.153	.094	.050	.131	.081	.044	.090	.057	.031	.052	.033	.018	.017	.011	.006	
6.0	.145	.085	.042	.125	.074	.037	.086	.052	.026	.050	.030	.015	.016	.010	.005	
7.0	.139	.078	.036	.119	.068	.031	.082	.048	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.073	.032	.114	.063	.028	.079	.044	.020	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.028	.109	.059	.025	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.104	.055	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

Uncorrected UGR Table

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm										
NAME: 7.5寸吸顶灯 (微波款) 3000K					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	11.6	13.2	11.9	13.4	13.6	11.0	12.6	11.3	12.8	13.0
3H	13.0	14.4	13.3	14.6	14.9	12.1	13.6	12.4	13.8	14.0
4H	13.5	14.8	13.8	15.1	15.3	12.4	13.8	12.8	14.0	14.3
6H	13.8	15.0	14.1	15.3	15.6	12.5	13.8	12.9	14.1	14.3
8H	13.8	15.0	14.2	15.3	15.6	12.5	13.7	12.8	14.0	14.3
12H	13.8	15.0	14.2	15.3	15.6	12.4	13.6	12.8	13.9	14.2
4H 2H	12.1	13.4	12.4	13.7	13.9	11.6	13.0	11.9	13.2	13.5
3H	13.6	14.8	13.9	15.1	15.4	12.9	14.0	13.2	14.3	14.7
4H	14.2	15.2	14.6	15.6	15.9	13.3	14.3	13.6	14.7	15.0
6H	14.5	15.5	14.9	15.9	16.2	13.4	14.3	13.8	14.7	15.1
8H	14.6	15.5	15.0	15.9	16.3	13.4	14.2	13.8	14.6	15.0
12H	14.6	15.4	15.1	15.8	16.3	13.3	14.1	13.7	14.5	14.9
8H 4H	14.3	15.2	14.7	15.5	15.9	13.4	14.3	13.8	14.7	15.1
6H	14.7	15.5	15.2	15.9	16.3	13.6	14.4	14.1	14.8	15.2
8H	14.8	15.5	15.3	15.9	16.4	13.6	14.3	14.1	14.7	15.2
12H	14.9	15.4	15.3	15.9	16.4	13.6	14.1	14.1	14.6	15.1
12H 4H	14.2	15.1	14.7	15.4	15.9	13.4	14.2	13.8	14.6	15.0
6H	14.7	15.4	15.2	15.8	16.2	13.6	14.3	14.1	14.7	15.2
8H	14.8	15.4	15.3	15.8	16.3	13.6	14.2	14.1	14.6	15.1
Variations with the observer position at spacings:										
s = 1.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.5				

CIE Pub.117 Corrected 1290 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.9)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

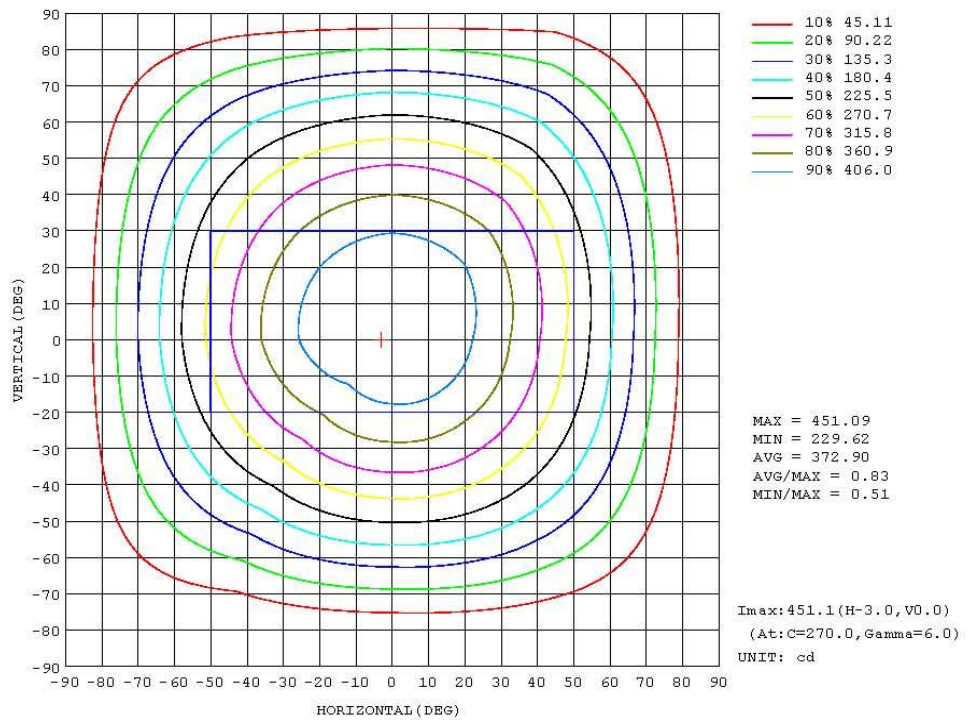
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILISATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERVOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

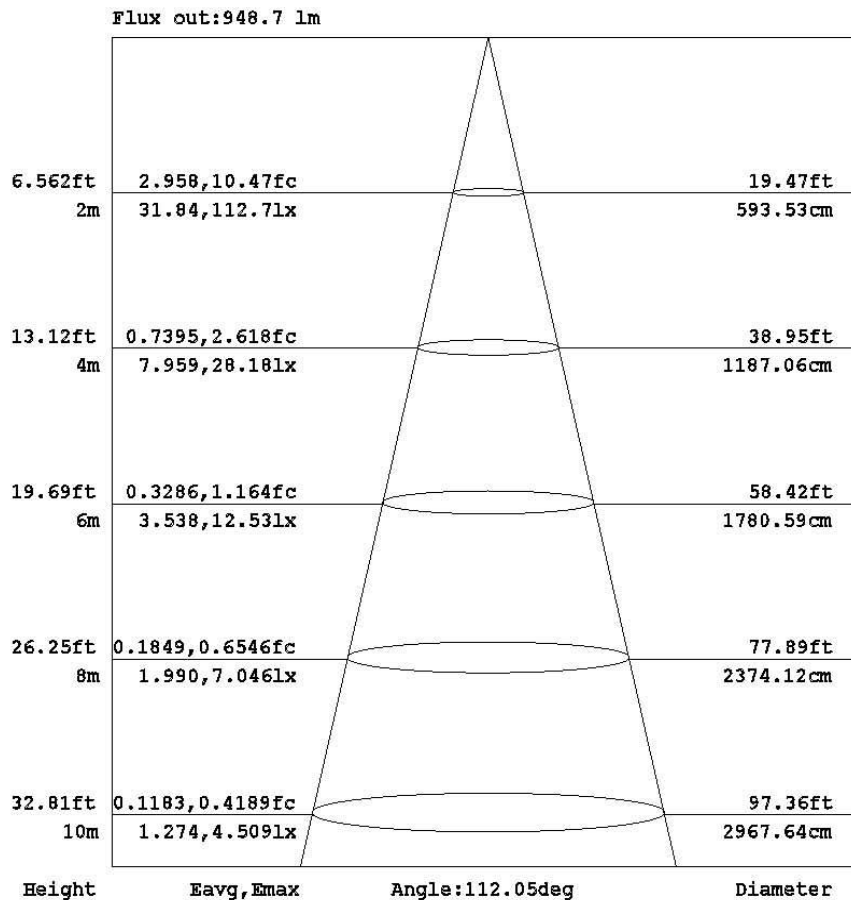


C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

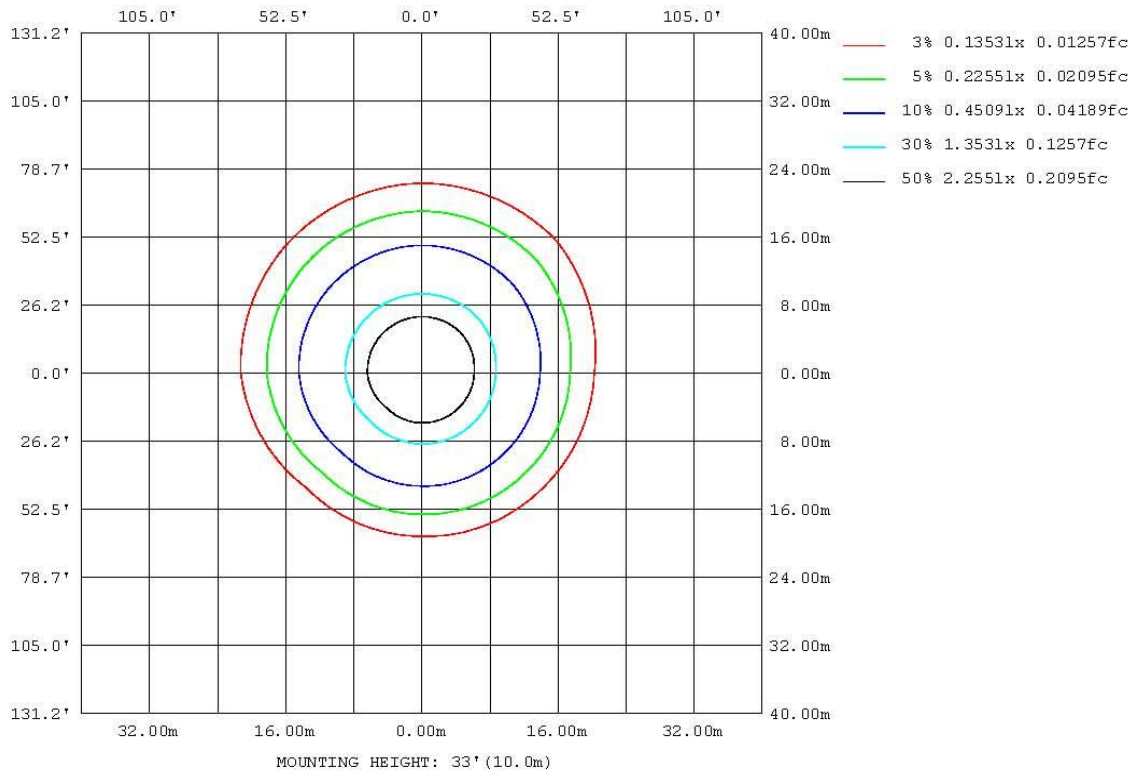
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

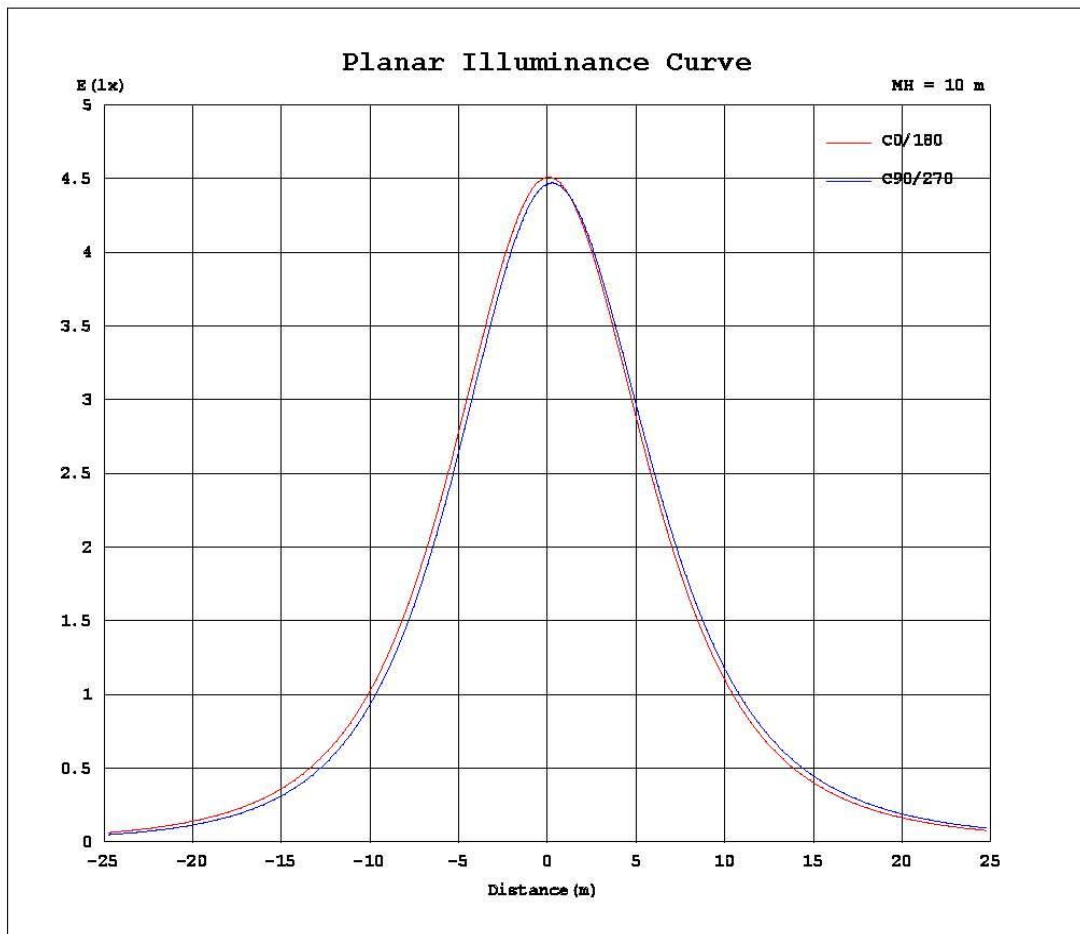
Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1383A P:15.61W PF:0.9360 Lamp Flux:1289.66x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 3000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ y (DEG)	0	45	90	135	180	225	270	315										
0	447	447	447	447	447	447	447	447										
5	444	442	441	441	447	449	450	450										
10	436	433	430	431	442	446	449	449										
15	425	419	416	416	434	440	443	443										
20	410	403	398	399	422	429	434	434										
25	392	383	377	377	406	415	421	420										
30	370	359	353	353	386	398	405	404										
35	345	333	326	326	363	377	384	383										
40	317	303	296	296	338	352	361	360										
45	286	272	263	263	309	325	335	333										
50	254	238	229	229	278	295	305	304										
55	219	202	193	192	245	263	274	272										
60	182	165	156	155	209	229	240	238										
65	145	128	118	117	173	192	204	202										
70	107	90.8	81.4	80.3	135	155	167	165										
75	70.7	55.6	46.9	46.0	97.4	118	129	127										
80	37.4	23.7	15.9	15.7	61.7	80.9	91.9	89.3										
85	8.82	0.19	0.20	0.19	29.5	46.4	52.8	54.0										
90	0.18	0.20	0.20	0.23	2.59	15.6	18.8	22.5										
95	0.18	0.25	0.20	0.26	0.23	0.20	0.19	0.24										
100	0.18	0.28	0.24	0.31	0.27	0.20	0.24	0.20										
105	0.23	0.36	0.30	0.37	0.35	0.24	0.30	0.21										
110	0.29	0.41	0.36	0.43	0.41	0.30	0.36	0.29										
115	0.35	0.48	0.43	0.50	0.48	0.36	0.43	0.35										
120	0.42	0.54	0.49	0.57	0.55	0.44	0.49	0.43										
125	0.49	0.60	0.57	0.64	0.63	0.51	0.58	0.49										
130	0.57	0.66	0.61	0.68	0.70	0.58	0.66	0.57										
135	0.61	0.75	0.70	0.75	0.78	0.66	0.71	0.66										
140	0.69	0.80	0.74	0.81	0.85	0.71	0.79	0.71										
145	0.75	0.86	0.83	0.89	0.92	0.81	0.86	0.80										
150	0.82	0.93	0.88	0.95	0.97	0.85	0.94	0.86										
155	0.88	0.98	0.94	0.99	1.03	0.93	0.99	0.93										
160	0.96	1.04	0.99	1.04	1.09	0.96	1.05	0.96										
165	1.01	1.09	1.04	1.11	1.12	1.02	1.09	1.02										
170	1.07	1.14	1.10	1.17	1.16	1.08	1.14	1.08										
175	1.11	1.16	1.12	1.16	1.16	1.10	1.15	1.12										
180	1.16	1.16	1.14	1.16	1.16	1.13	1.15	1.16										

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

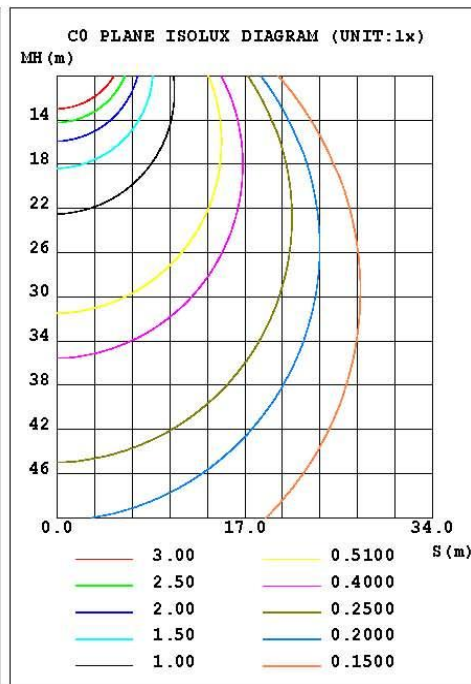
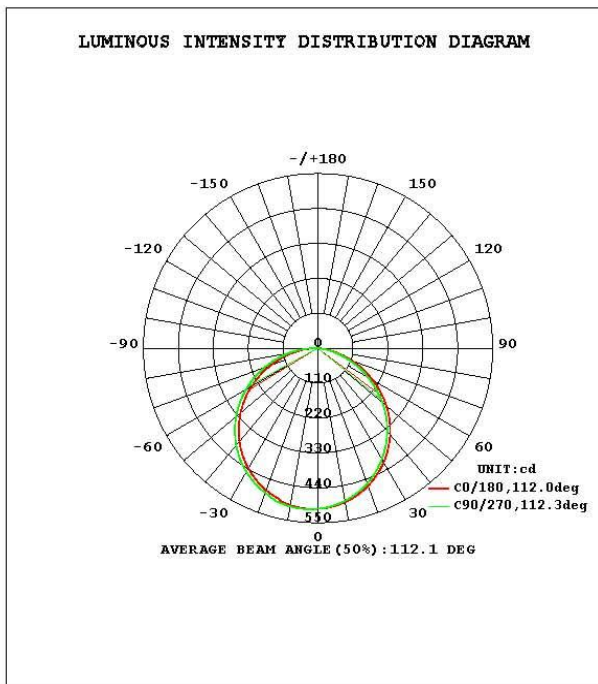


附件 2. 4000K  
IES

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯(微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 87.78 lm/W
MODEL	4000K	I <sub>max</sub> (cd)	508.4	S/MH(C0/180)	1.22	
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	1.19	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1451.0	η UP, DN(C0-180)	0.1, 43.6	
NOMINAL FLUX(lm)	1451.04	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 56.1	
LAMPS INSIDE	1	η up(%)	0.4	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120.6	η down(%)	99.6	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	± zone	± total	lum, lamp
10	492.1	484.3	488.1	484.4	502.0	505.2	506.2	505.2	0- 10	47.80	47.80	3.29,3.29
20	461.0	449.9	453.1	450.0	476.8	487.5	485.2	486.3	10- 20	136.7	184.5	12.7,12.7
30	413.8	400.1	402.8	400.4	438.3	452.3	450.6	451.0	20- 30	207.1	381.6	27,27
40	352.7	337.0	339.2	337.5	385.4	401.9	400.8	400.4	30- 40	249.9	641.5	44.2,44.2
50	280.2	262.8	264.3	263.2	319.6	338.1	337.7	336.3	40- 50	259.2	900.7	62.1,62.1
60	197.3	181.3	180.6	181.3	243.0	263.0	263.2	261.1	50- 60	233.7	1134	78.2,78.2
70	112.7	97.50	96.99	97.30	159.8	179.4	181.3	176.8	60- 70	177.6	1312	90.4,90.4
80	35.57	23.09	22.45	23.31	76.79	96.49	97.21	92.45	70- 80	102.5	1414	97.5,97.5
90	0.1914	0.2329	0.1999	0.2252	7.939	21.14	17.33	15.25	80- 90	31.35	1446	99.6,99.6
100	0.2079	0.3163	0.2664	0.3172	0.2996	0.2245	0.2668	0.2084	90-100	1.681	1448	99.8,99.8
110	0.3412	0.4575	0.3994	0.4669	0.4410	0.3159	0.4000	0.3417	100-110	0.3443	1448	99.8,99.8
120	0.4910	0.6072	0.5577	0.6003	0.6076	0.4822	0.5665	0.4918	110-120	0.4677	1448	99.8,99.8
130	0.6406	0.7569	0.7076	0.7421	0.7740	0.6567	0.7330	0.6834	120-130	0.5627	1448	99.9,99.9
140	0.7987	0.8982	0.8328	0.8839	0.9155	0.8231	0.8831	0.8504	130-140	0.6044	1450	99.9,99.9
150	0.9320	1.040	0.9660	1.034	1.065	0.9563	1.049	0.9754	140-150	0.5834	1450	99.9,99.9
160	1.090	1.156	1.108	1.151	1.198	1.123	1.174	1.109	150-160	0.4938	1451	100,100
170	1.215	1.264	1.224	1.276	1.290	1.214	1.274	1.226	160-170	0.3362	1451	100,100
180	1.298	1.306	1.282	1.301	1.323	1.272	1.282	1.276	170-180	0.1210	1451	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

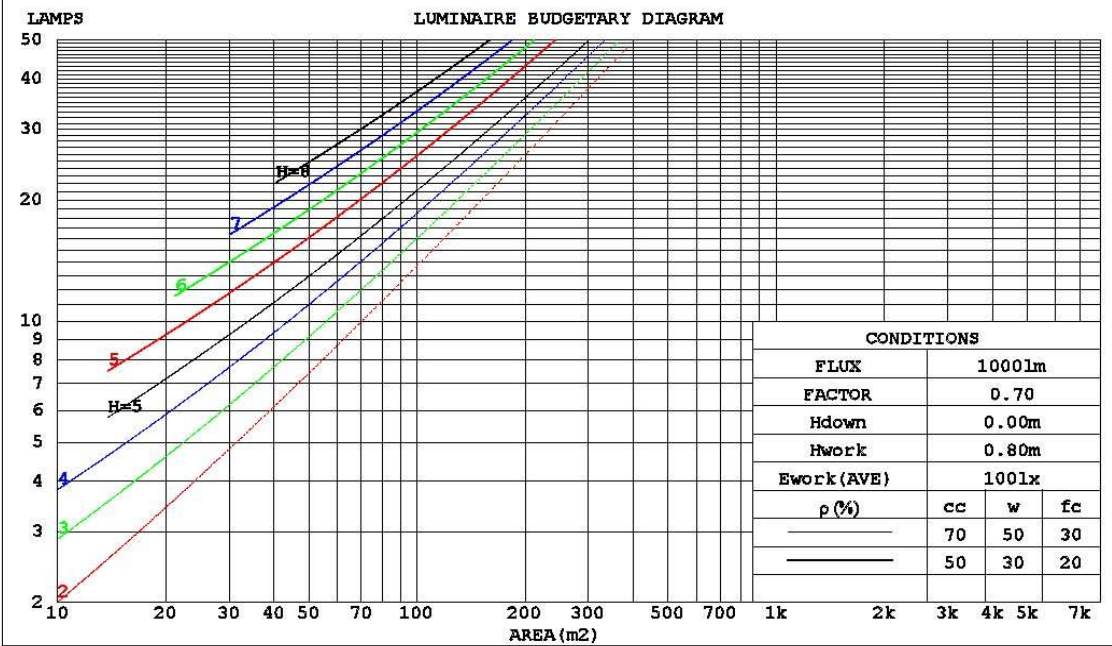
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			D	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	D	
pfc	20%			20%			20%			20%			20%			D	
RCA	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	.00	
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83	
2.0	.90	.83	.77	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69	
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58	
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49	
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43	
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37	
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33	
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29	
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26	
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24	



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯(微波款)4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.313	.178	.056	.306	.174	.055	.292	.168	.054	.280	.161	.052	.268	.156	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.159	.137	.157	.136	.118	.107	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.175	.135	.101	.150	.116	.087	.103	.080	.061	.059	.047	.036	.019	.015	.012	
3.0	.167	.117	.077	.144	.101	.067	.099	.070	.047	.057	.041	.028	.018	.013	.009	
4.0	.160	.104	.061	.137	.090	.053	.094	.063	.037	.055	.037	.022	.018	.012	.007	
5.0	.152	.093	.050	.131	.081	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006	
6.0	.145	.085	.042	.125	.074	.036	.086	.052	.026	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.036	.119	.068	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.114	.063	.027	.079	.044	.019	.046	.026	.012	.015	.009	.004	
9.0	.126	.067	.028	.108	.059	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.104	.055	.022	.072	.039	.016	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:



Uncorrected UGR Table

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm										
NAME: 7.5寸吸顶灯 (微波款) 4000K					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	11.8	13.3	12.1	13.5	13.8	11.5	13.0	11.8	13.2	13.4
3H	13.1	14.5	13.4	14.7	15.0	12.7	14.1	13.0	14.3	14.5
4H	13.5	14.9	13.9	15.1	15.4	13.0	14.3	13.3	14.6	14.9
6H	13.8	15.0	14.1	15.3	15.6	13.1	14.4	13.4	14.6	14.9
8H	13.8	15.0	14.1	15.3	15.6	13.1	14.3	13.4	14.6	14.9
12H	13.7	14.9	14.1	15.2	15.5	13.0	14.2	13.4	14.5	14.8
4H 2H	12.3	13.6	12.6	13.9	14.1	12.0	13.4	12.3	13.6	13.9
3H	13.7	14.9	14.1	15.2	15.5	13.3	14.5	13.7	14.8	15.1
4H	14.2	15.3	14.6	15.6	16.0	13.7	14.8	14.1	15.1	15.5
6H	14.5	15.5	14.9	15.8	16.2	13.9	14.9	14.3	15.2	15.6
8H	14.6	15.4	15.0	15.8	16.2	13.9	14.8	14.3	15.1	15.5
12H	14.5	15.4	15.0	15.7	16.2	13.8	14.7	14.3	15.0	15.5
8H 4H	14.3	15.2	14.7	15.6	16.0	13.9	14.8	14.3	15.1	15.5
6H	14.7	15.4	15.1	15.8	16.3	14.1	14.8	14.5	15.2	15.7
8H	14.7	15.4	15.2	15.8	16.3	14.1	14.7	14.5	15.2	15.6
12H	14.7	15.3	15.2	15.8	16.2	14.0	14.6	14.5	15.1	15.6
12H 4H	14.3	15.1	14.7	15.5	15.9	13.8	14.7	14.3	15.0	15.5
6H	14.7	15.3	15.1	15.7	16.2	14.1	14.7	14.5	15.2	15.6
8H	14.7	15.3	15.2	15.7	16.2	14.1	14.6	14.6	15.1	15.6
Variations with the observer position at spacings:										
s = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.4					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 1451 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.3)

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

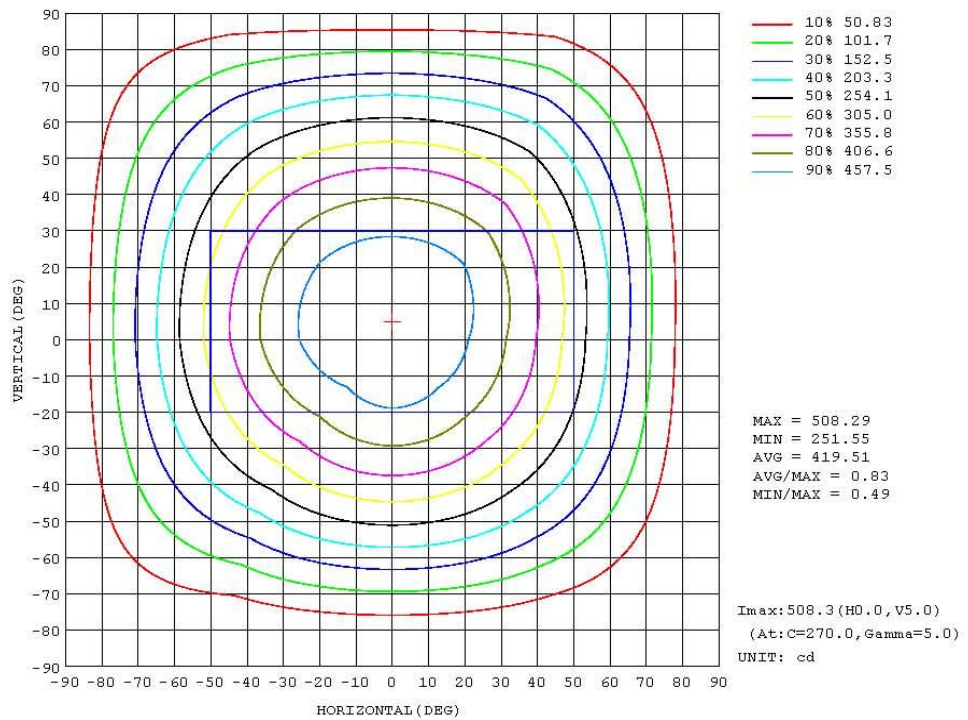
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILISATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended				SERVOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



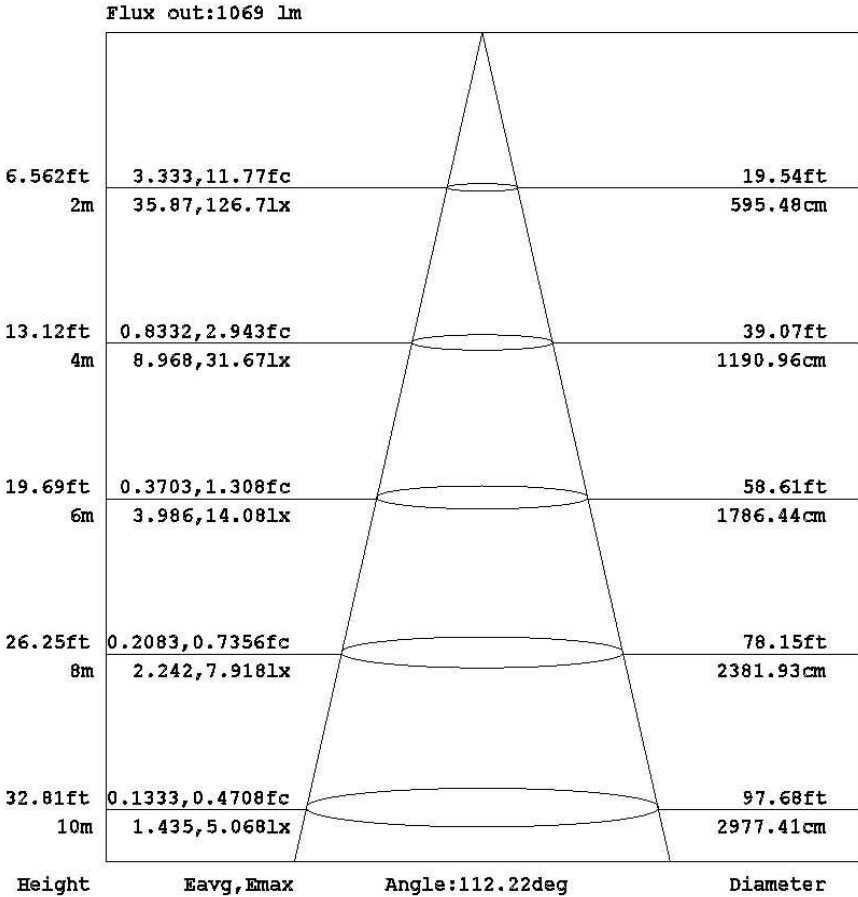
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:



AAI Figure

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



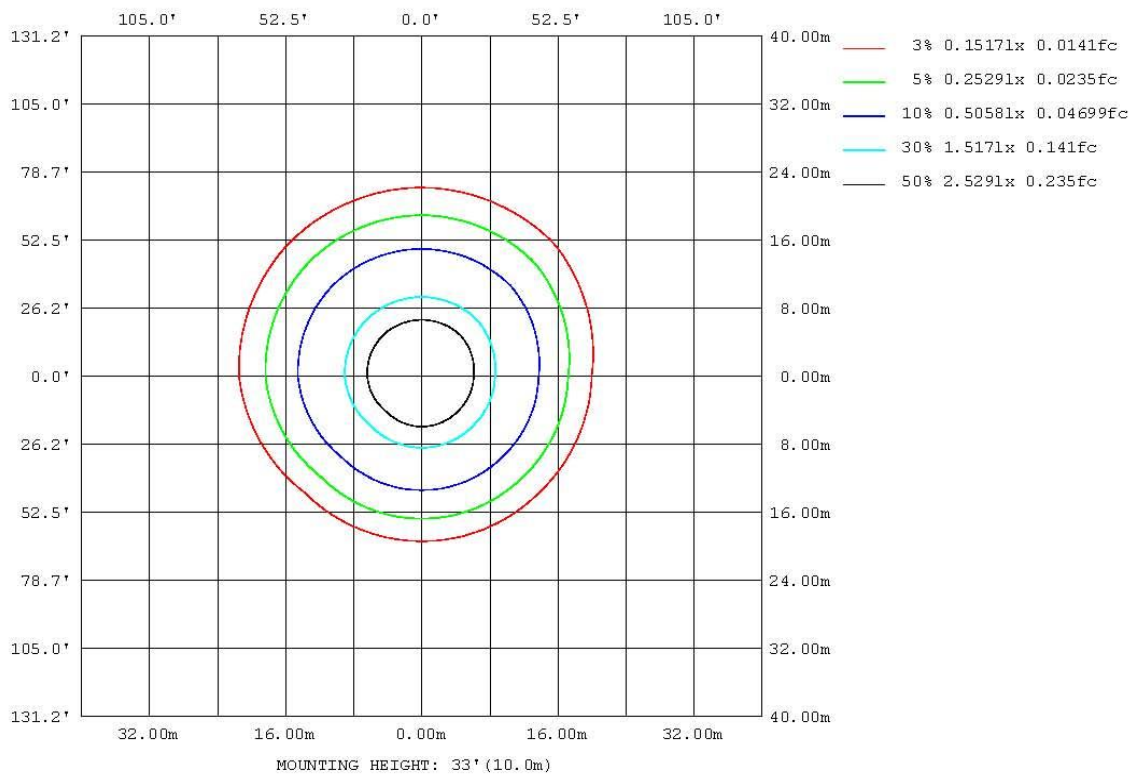
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

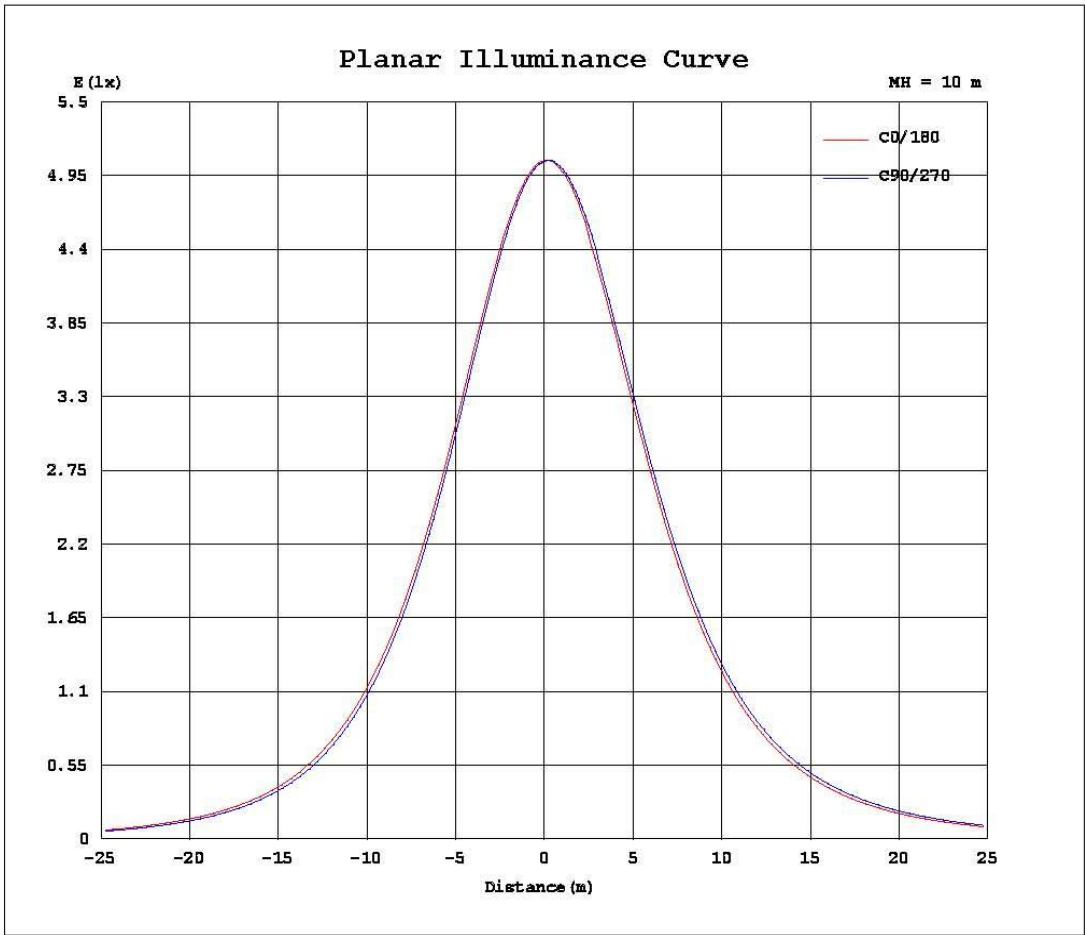
Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-07-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
Humidity:65.0%  
Test Distance:9.100m [K=1.0000]  
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-07-28

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
Humidity: 65.0%  
Test Distance: 9.100m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1445A P:16.53W PF:0.9486 Lamp Flux:1451.04x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 4000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1 UNIT: cd

C (DEG) \ y (DEG)	0	45	90	135	180	225	270	315										
0	506	506	506	506	506	506	506	506										
5	501	499	499	499	506	507	508	507										
10	492	484	488	484	502	505	506	505										
15	479	469	473	469	490	499	500	498										
20	461	450	453	450	477	487	485	486										
25	439	427	430	427	460	472	470	471										
30	414	400	403	400	438	452	451	451										
35	385	370	373	370	414	429	428	428										
40	353	337	339	337	385	402	401	400										
45	318	301	303	302	354	372	371	370										
50	280	263	264	263	320	338	338	336										
55	238	223	222	223	282	302	302	300										
60	197	181	181	181	243	263	263	261										
65	155	139	139	139	202	221	223	219										
70	113	97.5	97.0	97.3	160	179	181	177										
75	72.3	58.4	57.9	58.1	117	137	139	134										
80	35.6	23.1	22.4	23.3	76.8	95.5	97.2	92.4										
85	4.81	0.20	0.21	0.20	39.7	56.3	54.5	53.5										
90	0.19	0.23	0.20	0.23	7.94	21.1	17.3	19.3										
95	0.19	0.27	0.20	0.27	0.25	0.22	0.21	0.21										
100	0.21	0.32	0.27	0.32	0.30	0.22	0.27	0.21										
105	0.30	0.39	0.32	0.39	0.37	0.27	0.33	0.28										
110	0.34	0.46	0.40	0.47	0.44	0.32	0.40	0.34										
115	0.44	0.52	0.46	0.53	0.52	0.42	0.48	0.43										
120	0.49	0.61	0.56	0.60	0.61	0.48	0.57	0.49										
125	0.57	0.67	0.62	0.67	0.68	0.57	0.66	0.58										
130	0.64	0.76	0.71	0.74	0.77	0.66	0.73	0.68										
135	0.72	0.82	0.76	0.81	0.85	0.74	0.81	0.74										
140	0.80	0.90	0.83	0.88	0.92	0.82	0.88	0.85										
145	0.87	0.96	0.90	0.96	1.00	0.88	0.97	0.90										
150	0.93	1.04	0.97	1.03	1.07	0.96	1.05	0.98										
155	1.01	1.10	1.04	1.08	1.13	1.02	1.10	1.07										
160	1.09	1.16	1.11	1.15	1.20	1.12	1.17	1.11										
165	1.14	1.22	1.16	1.22	1.26	1.15	1.22	1.16										
170	1.21	1.26	1.22	1.28	1.29	1.21	1.27	1.23										
175	1.28	1.31	1.26	1.30	1.31	1.23	1.29	1.25										
180	1.30	1.31	1.28	1.30	1.32	1.27	1.28	1.28										

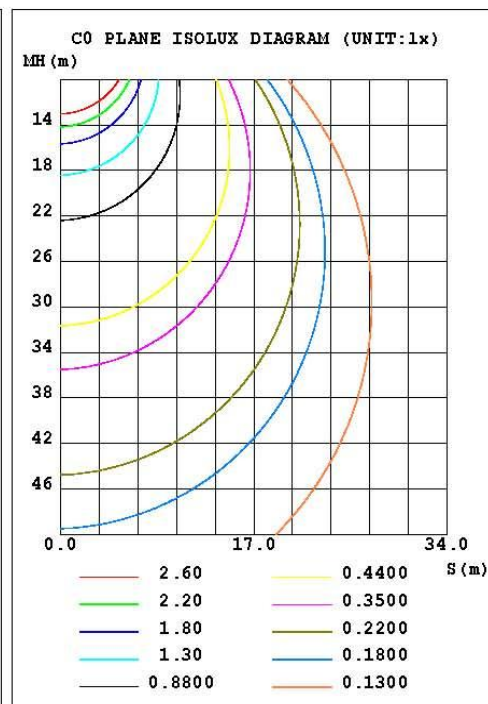
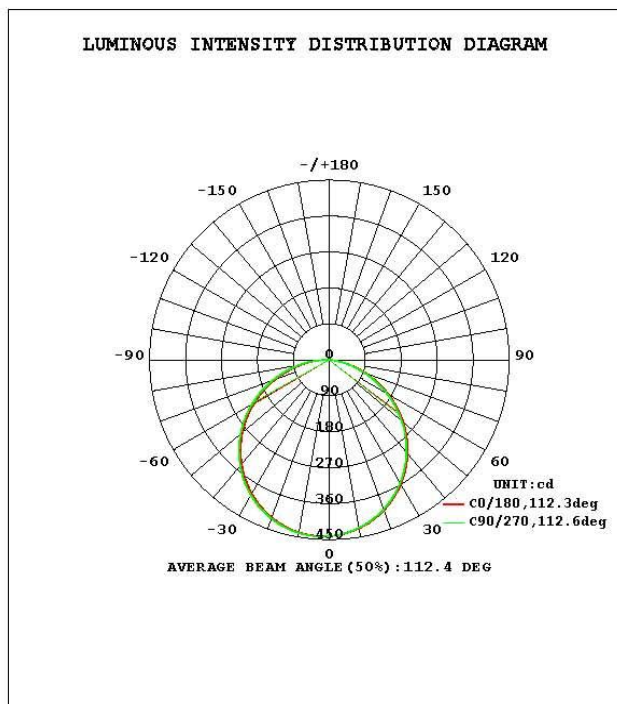
C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

y Range: 0 - 180DEG  
 y Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.10 lm/W
MODEL	5000K	I <sub>max</sub> (cd)	442.8	S/MH (C0/180)		1.21
NOMINAL POWER (W)	16	LOR (%)	100.0	S/MH (C90/270)		1.20
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1269.0	η UP, DN (C0-180)		0.1, 44.4
NOMINAL FLUX (lm)	1268.97	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.2, 55.2
LAMPS INSIDE	1	η up (%)	0.3	CIBSE SHR NOM		1.25
TEST VOLTAGE (V)	120.6	η down (%)	99.7	CIBSE SHR MAX		1.35



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	± zone	± total	±lum, lamp
10	428.3	426.9	438.4	440.2					0- 10	41.75	41.75	3.29,3.29
20	400.3	397.7	420.5	423.5					10- 20	119.6	161.4	12.7,12.7
30	358.6	354.8	387.7	392.1					20- 30	181.4	342.7	27,27
40	304.7	300.3	341.7	347.2					30- 40	218.8	561.5	44.3,44.3
50	240.7	235.7	284.3	290.8					40- 50	227.0	788.5	62.1,62.1
60	169.4	164.5	217.5	224.9					50- 60	204.8	993.4	78.3,78.3
70	95.10	91.05	144.6	152.8					60- 70	156.0	1149	90.6,90.6
80	27.99	24.56	71.40	79.06					70- 80	89.75	1239	97.6,97.6
90	0.1916	0.2080	9.815	11.31					80- 90	25.84	1265	99.7,99.7
100	0.1916	0.2914	0.2501	0.1997					90-100	0.9254	1266	99.8,99.8
110	0.3246	0.4079	0.3835	0.3078					100-110	0.3085	1266	99.8,99.8
120	0.4415	0.5160	0.5333	0.4410					110-120	0.4200	1267	99.8,99.8
130	0.5664	0.6742	0.6831	0.5908					120-130	0.5038	1267	99.8,99.8
140	0.7080	0.7981	0.8163	0.7155					130-140	0.5384	1268	99.9,99.9
150	0.8410	0.9321	0.9415	0.8569					140-150	0.5205	1268	99.9,99.9
160	0.9579	1.040	1.066	0.9653					150-160	0.4405	1269	100,100
170	1.074	1.140	1.133	1.082					160-170	0.2992	1269	100,100
180	1.141	1.140	1.133	1.115					170-180	0.1068	1269	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

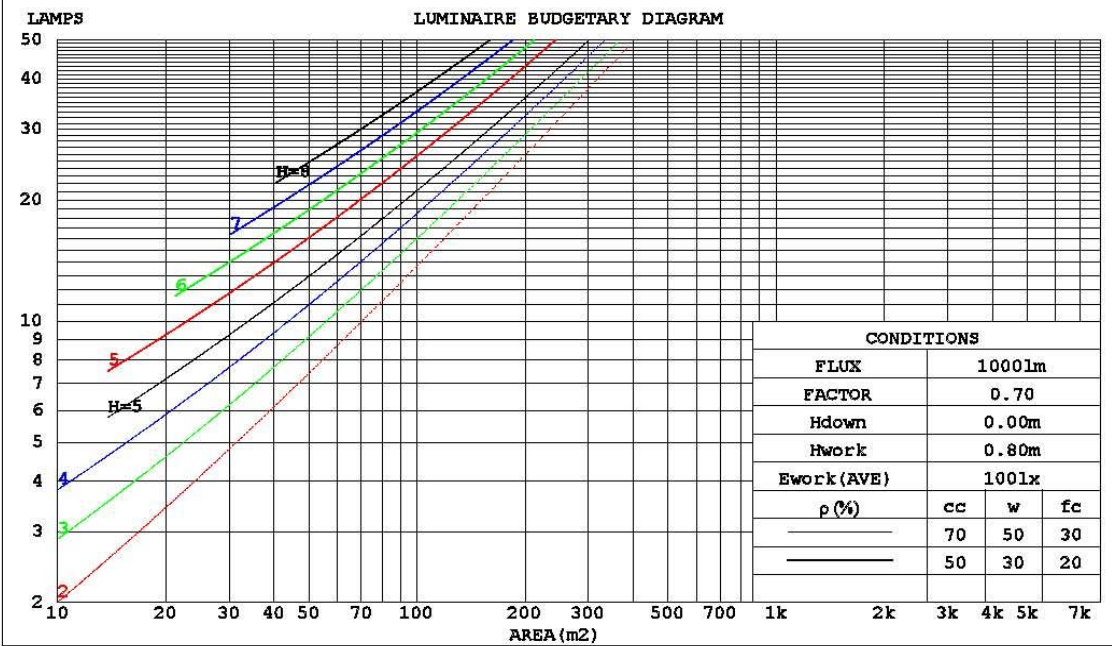
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			D	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	D	
pfc	20%			20%			20%			20%			20%			D	
RCA	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	.00	
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83	
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69	
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58	
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50	
5.0	.63	.53	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43	
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37	
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33	
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29	
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26	
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24	



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯(微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.312	.177	.056	.305	.174	.055	.291	.167	.053	.279	.161	.052	.267	.155	.050	
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.254	.143	.045	
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.210	.111	.033	.203	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.077	.022	.152	.075	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.159	.137	.156	.136	.118	.107	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.175	.134	.100	.150	.116	.087	.103	.080	.061	.059	.047	.035	.019	.015	.012	
3.0	.167	.117	.077	.143	.101	.066	.098	.070	.047	.057	.041	.027	.018	.013	.009	
4.0	.159	.104	.061	.137	.089	.053	.094	.062	.037	.054	.037	.022	.018	.012	.007	
5.0	.152	.093	.050	.131	.081	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.085	.042	.125	.073	.036	.086	.051	.026	.050	.030	.015	.016	.010	.005	
7.0	.138	.078	.036	.119	.067	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.113	.063	.027	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.125	.067	.028	.108	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.103	.055	.022	.072	.038	.015	.042	.023	.009	.014	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:



Uncorrected UGR Table

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm										
NAME: 7.5寸吸顶灯 (微波款) 5000K					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	11.4	12.9	11.7	13.1	13.3	11.3	12.8	11.6	13.0	13.2
3H	12.6	14.1	12.9	14.3	14.5	12.5	13.9	12.8	14.2	14.4
4H	13.1	14.4	13.4	14.7	14.9	12.9	14.2	13.2	14.5	14.8
6H	13.2	14.5	13.6	14.8	15.1	13.1	14.3	13.4	14.6	14.9
8H	13.3	14.5	13.6	14.8	15.1	13.0	14.3	13.4	14.6	14.9
12H	13.2	14.4	13.6	14.7	15.0	13.0	14.2	13.4	14.5	14.8
4H 2H	11.9	13.2	12.2	13.5	13.8	11.8	13.2	12.1	13.4	13.7
3H	13.3	14.5	13.7	14.8	15.1	13.2	14.4	13.6	14.7	15.0
4H	13.8	14.9	14.2	15.2	15.6	13.7	14.8	14.1	15.1	15.4
6H	14.1	15.1	14.5	15.4	15.8	13.9	14.9	14.3	15.2	15.6
8H	14.1	15.0	14.5	15.4	15.8	13.9	14.8	14.3	15.2	15.6
12H	14.1	14.9	14.5	15.3	15.7	13.9	14.7	14.3	15.1	15.5
8H 4H	14.0	14.9	14.4	15.2	15.6	13.8	14.7	14.3	15.1	15.5
6H	14.3	15.1	14.8	15.5	15.9	14.2	14.9	14.6	15.3	15.7
8H	14.4	15.0	14.8	15.5	15.9	14.2	14.8	14.7	15.3	15.7
12H	14.4	14.9	14.8	15.4	15.9	14.2	14.7	14.6	15.2	15.7
12H 4H	13.9	14.8	14.4	15.2	15.6	13.8	14.6	14.3	15.0	15.4
6H	14.3	15.0	14.8	15.4	15.9	14.2	14.8	14.6	15.2	15.7
8H	14.4	14.9	14.9	15.4	15.9	14.2	14.8	14.7	15.2	15.7
Variations with the observer position at spacings:										
s = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 1269 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.8)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

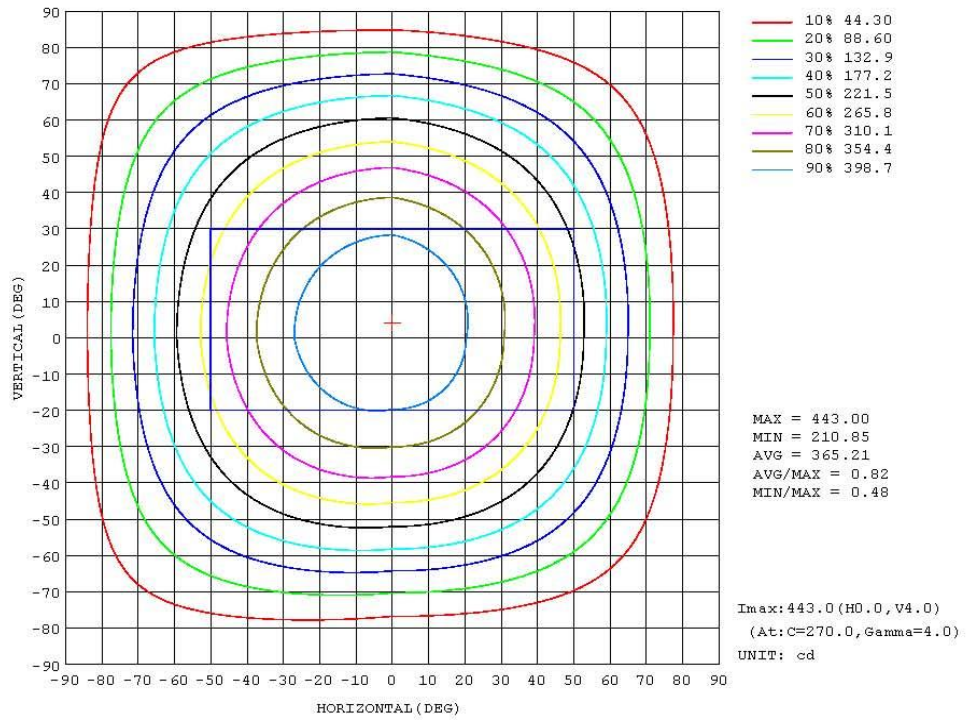
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILISATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	91	82
5.00	108	104	100	106	102	98	101	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended			SERVOM = 1.25				

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

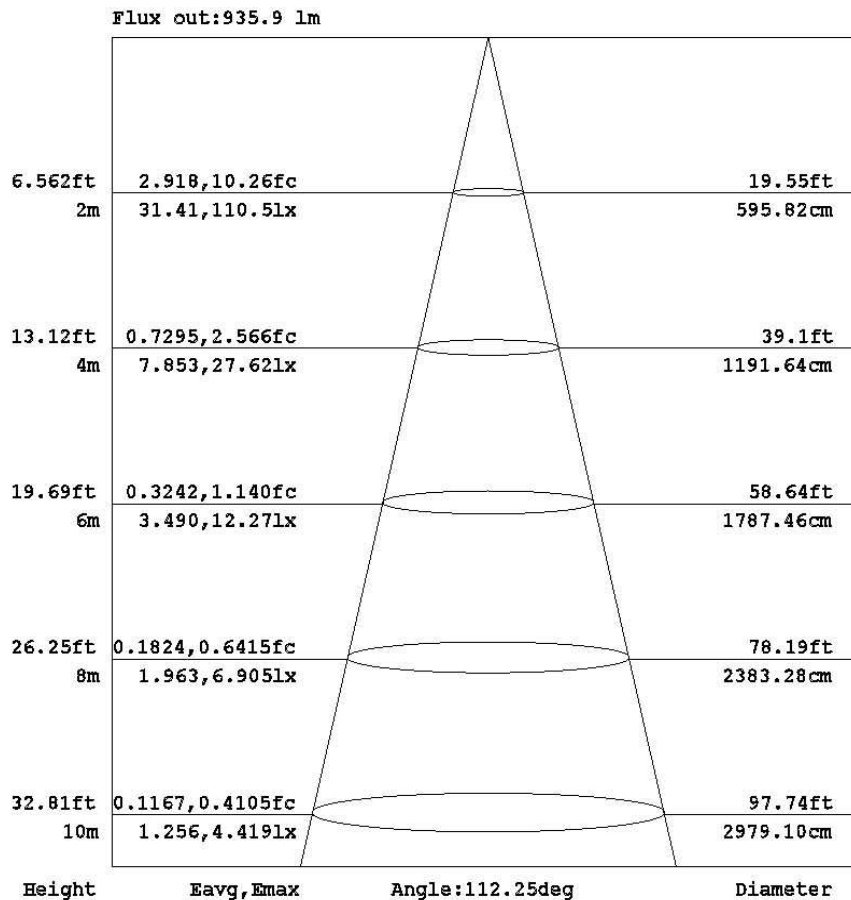


C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



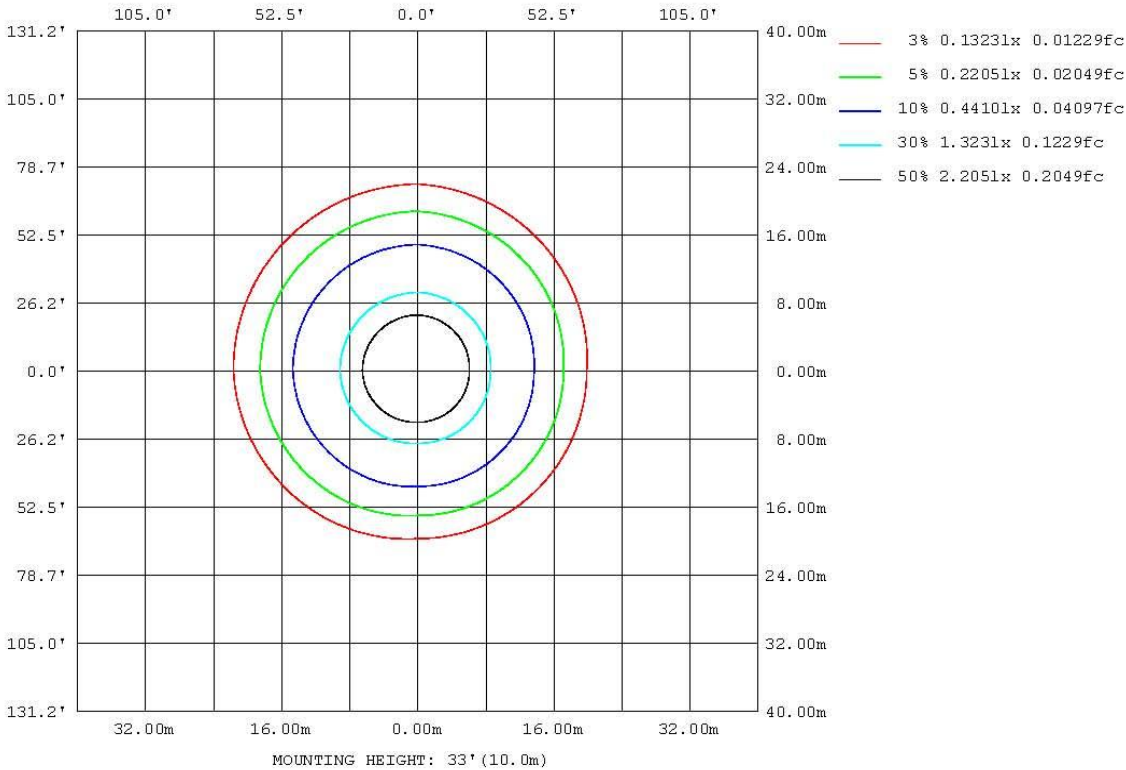
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

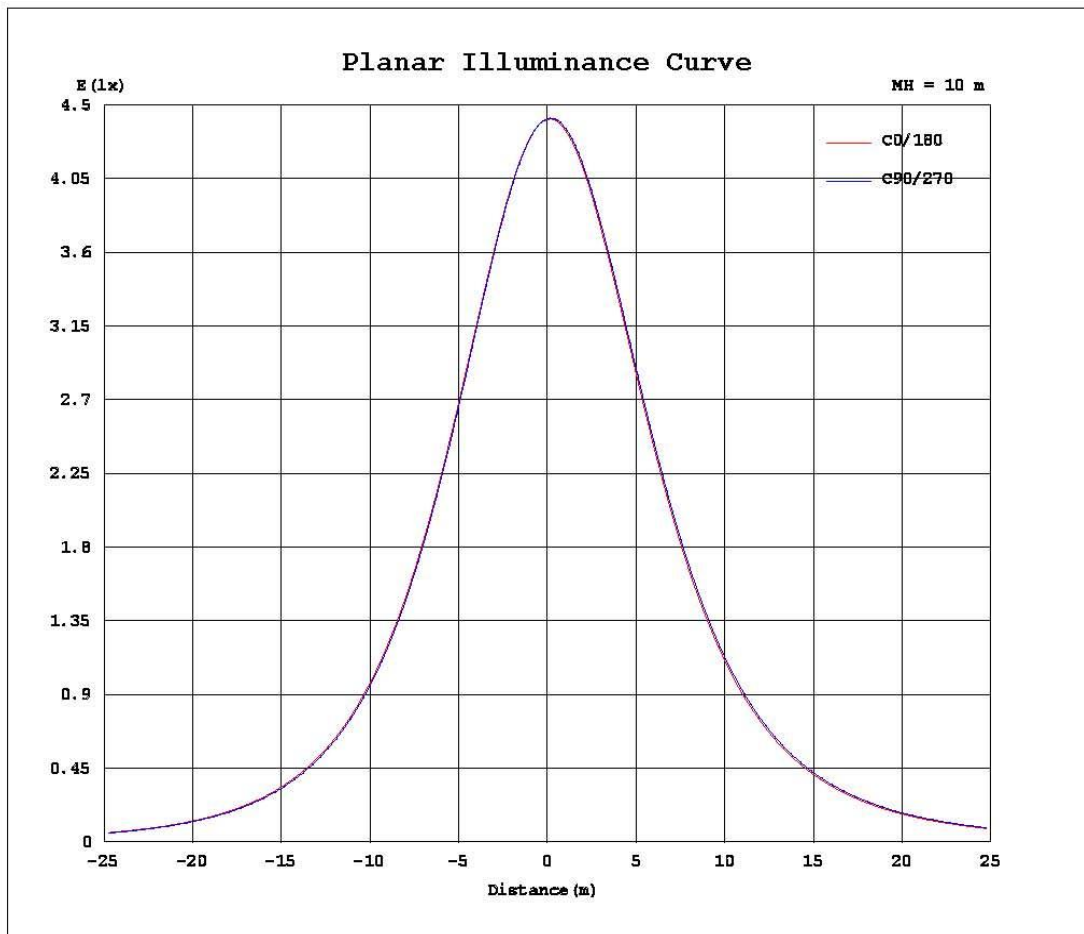
Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-07-28

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity: 65.0%  
 Test Distance: 9.100m [K=1.0000]  
 Remarks:



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1399A P:15.84W PF:0.9388 Lamp Flux:1268.97x1 lm		
NAME: 7.5寸吸顶灯 (微波款) 5000K	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ y (DEG)	0	90	180	270																
0	441	441	441	441																
5	437	436	442	443																
10	428	427	438	440																
15	416	414	431	434																
20	400	398	420	424																
25	381	378	406	410																
30	359	355	388	392																
35	333	329	366	371																
40	305	300	342	347																
45	274	269	314	320																
50	241	236	284	291																
55	206	201	252	259																
60	169	165	218	225																
65	132	128	182	189																
70	95.1	91.0	145	153																
75	59.8	56.2	107	115																
80	28.0	24.6	71.4	79.1																
85	1.78	0.18	38.4	42.4																
90	0.19	0.21	9.81	11.3																
95	0.19	0.25	0.22	0.20																
100	0.19	0.29	0.25	0.20																
105	0.26	0.35	0.32	0.22																
110	0.32	0.41	0.38	0.31																
115	0.41	0.48	0.47	0.36																
120	0.44	0.52	0.53	0.44																
125	0.52	0.62	0.61	0.51																
130	0.57	0.67	0.68	0.59																
135	0.63	0.75	0.76	0.67																
140	0.71	0.80	0.82	0.72																
145	0.77	0.87	0.89	0.81																
150	0.84	0.93	0.94	0.86																
155	0.89	1.00	1.00	0.93																
160	0.96	1.04	1.07	0.97																
165	1.02	1.10	1.12	1.03																
170	1.07	1.14	1.13	1.08																
175	1.12	1.14	1.13	1.10																
180	1.14	1.14	1.13	1.12																

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-07-28

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.276  
 Humidity:65.0%  
 Test Distance:9.100m [R=1.0000]  
 Remarks: