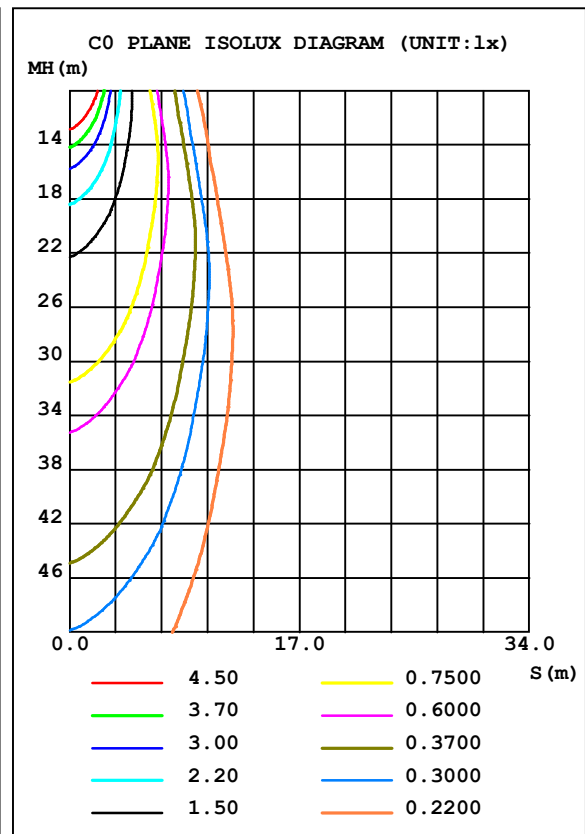
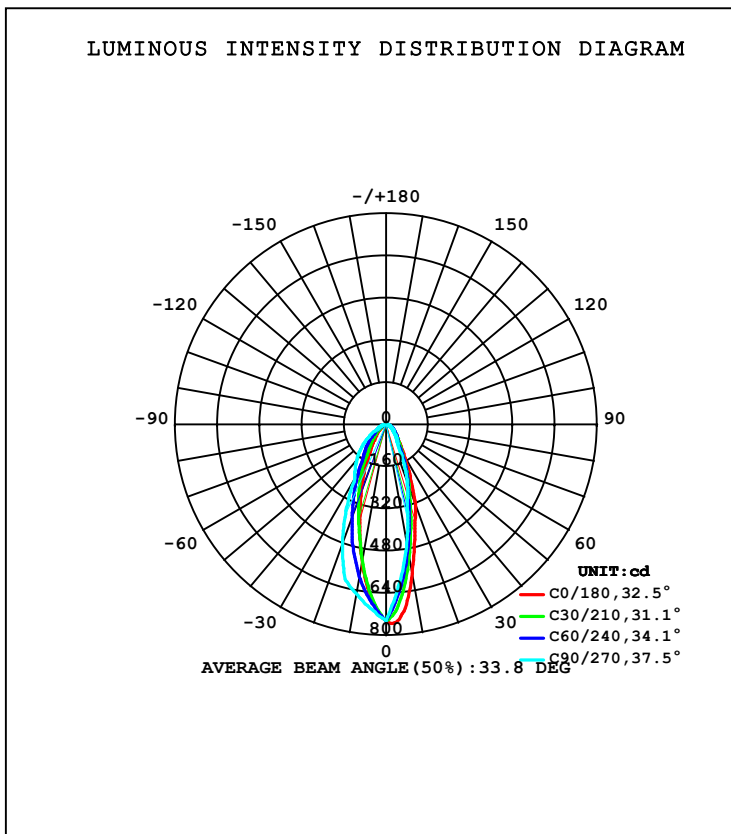


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.12 lm/W
MODEL	3000K	I _{max} (cd)	756.4	S/MH (C0/180)	0.51	
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	0.77	
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	459.04	η UP, DN (C0-180)	0.0, 60.5	
NOMINAL FLUX (lm)	459.045	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 39.5	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE (V)	230.1	η down (%)	100.0	CIBSE SHR MAX	0.65	



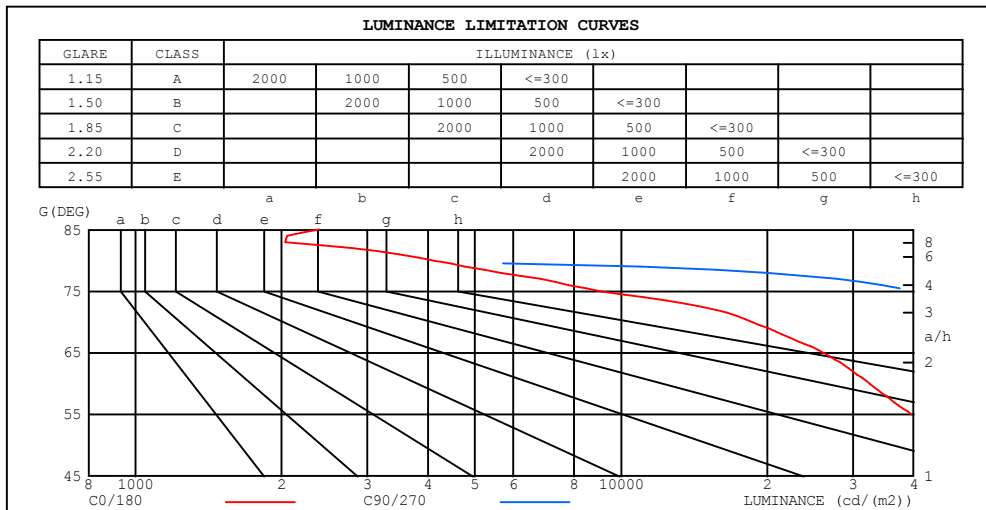
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity: 65.0%
Test Distance: 13.083m [K=1.0000]
Remarks:

**ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	659.8	661.7	700.1	710.2	722.3	642.6	602.1	601.7	0- 5	16.57	16.57	3.61,3.61
10	529.4	548.1	654.0	612.1	574.8	494.4	458.0	459.2	5- 10	42.45	59.02	12.9,12.9
15	387.8	431.9	607.9	495.1	423.2	356.7	313.8	333.6	10- 15	55.88	114.9	25,25
20	279.5	345.4	484.8	399.9	331.2	249.9	238.7	232.8	15- 20	59.44	174.3	38,38
25	196.2	262.2	361.8	292.6	218.0	177.5	163.7	159.1	20- 25	56.10	230.4	50.2,50.2
30	125.9	188.9	238.7	203.1	143.2	125.6	88.65	105.4	25- 30	47.06	277.5	60.5,60.5
35	87.57	130.2	205.8	139.1	97.90	87.59	73.02	72.92	30- 35	37.80	315.3	68.7,68.7
40	67.43	92.50	172.9	99.70	69.94	63.84	57.39	54.27	35- 40	32.38	347.7	75.7,75.7
45	52.40	73.96	140.0	78.77	50.09	51.56	41.76	43.00	40- 45	27.96	375.6	81.8,81.8
50	40.29	58.43	107.1	61.31	35.61	40.15	33.78	32.84	45- 50	23.51	399.1	87,87
55	30.00	45.07	74.22	46.30	25.76	30.18	25.80	24.19	50- 55	19.07	418.2	91.1,91.1
60	21.42	33.55	41.32	33.70	18.72	22.74	17.81	18.40	55- 60	14.58	432.8	94.3,94.3
65	14.56	23.60	32.13	23.33	13.59	16.18	13.57	12.97	60- 65	10.68	443.5	96.6,96.6
70	8.409	15.90	22.94	15.79	8.681	10.72	9.332	8.287	65- 70	7.817	451.3	98.3,98.3
75	3.107	9.935	13.74	10.35	4.289	5.999	5.091	4.274	70- 75	5.120	456.4	99.4,99.4
80	0.9466	3.924	0	4.788	1.461	1.592	0	0.7173	75- 80	2.337	458.8	99.9,99.9
85	0.2745	0	0	0	0.2806	0	0	0	80- 85	0.2789	459.0	100,100
90	0.0446	0	0	0	0.1014	0	0	0	85- 90	0.0160	459.0	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2386	0
80	4131	0
75	9096	40240
70	18632	50818
65	26111	57610
60	32471	62626
55	39635	98057
50	47503	126284
45	56158	150053

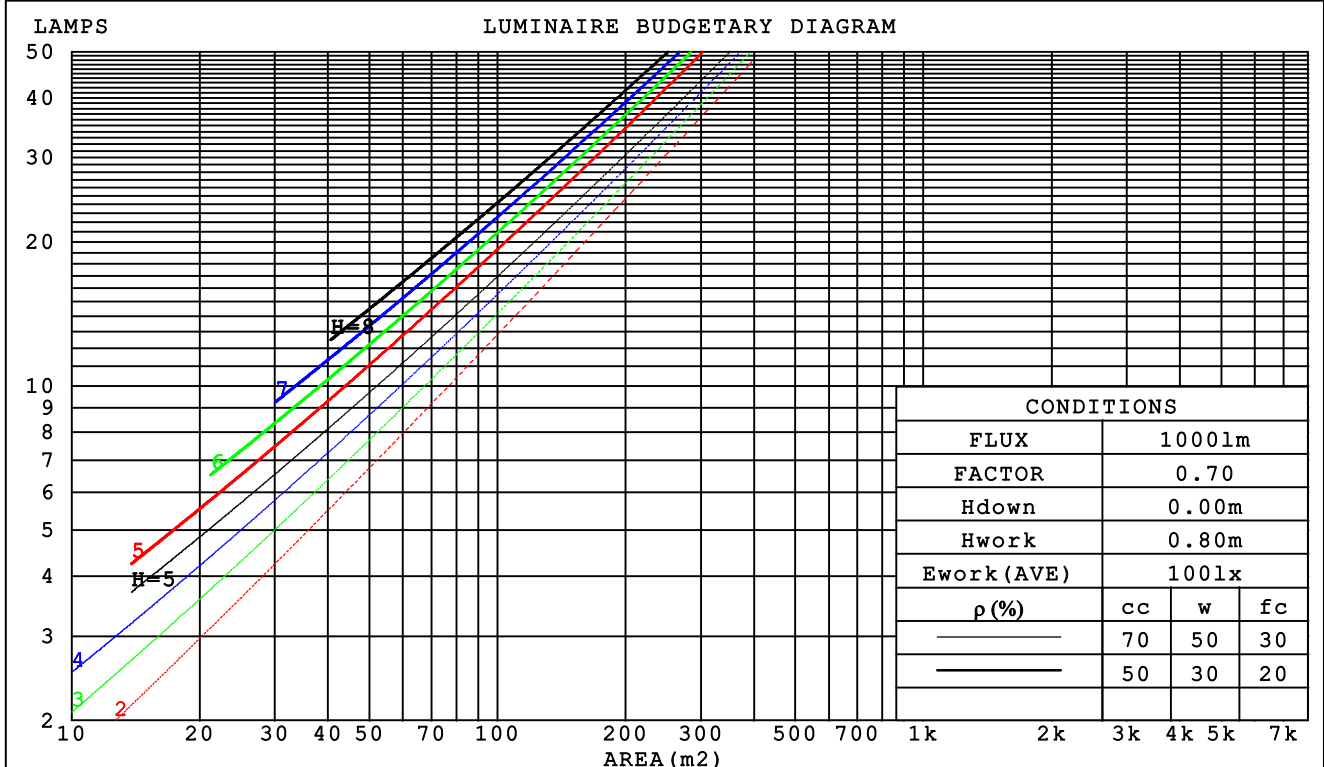
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION 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	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.94	.93	.91
2.0	1.00	.95	.92	.98	.94	.90	.95	.92	.88	.92	.89	.87	.89	.87	.85	.83
3.0	.92	.86	.82	.91	.85	.81	.88	.84	.80	.86	.82	.79	.83	.80	.77	.76
4.0	.85	.79	.74	.84	.78	.74	.82	.77	.73	.80	.75	.72	.78	.74	.71	.69
5.0	.79	.73	.68	.78	.72	.67	.76	.71	.67	.75	.70	.66	.73	.69	.66	.64
6.0	.74	.67	.62	.73	.67	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.59
7.0	.69	.63	.58	.69	.62	.58	.67	.62	.58	.66	.61	.57	.65	.60	.57	.55
8.0	.65	.59	.54	.65	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.53	.52
9.0	.61	.55	.51	.61	.55	.51	.60	.54	.51	.59	.54	.50	.58	.54	.50	.49
10.0	.58	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.48	.55	.51	.47	.46



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	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	.206	.117	.037	.199	.114	.036	.186	.107	.034	.175	.101	.032	.164	.095	.031	
2.0	.199	.109	.033	.193	.106	.033	.182	.101	.031	.172	.096	.030	.163	.092	.029	
3.0	.188	.100	.030	.183	.098	.029	.174	.094	.029	.165	.090	.028	.157	.087	.027	
4.0	.177	.092	.027	.173	.090	.027	.165	.087	.026	.157	.084	.025	.150	.082	.025	
5.0	.167	.085	.025	.163	.084	.024	.156	.081	.024	.149	.079	.023	.143	.077	.023	
6.0	.158	.079	.023	.154	.078	.022	.148	.076	.022	.142	.074	.022	.137	.072	.021	
7.0	.149	.074	.021	.146	.073	.021	.140	.071	.020	.135	.069	.020	.130	.068	.020	
8.0	.141	.069	.019	.138	.068	.019	.133	.067	.019	.129	.065	.019	.124	.064	.019	
9.0	.134	.065	.018	.132	.064	.018	.127	.063	.018	.123	.062	.018	.119	.060	.017	
10.0	.127	.061	.017	.125	.061	.017	.121	.059	.017	.117	.058	.017	.114	.057	.016	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.160	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.127	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.139	.099	.069	.119	.086	.060	.082	.060	.042	.047	.035	.025	.015	.011	.008	
5.0	.131	.088	.057	.112	.076	.049	.077	.053	.035	.045	.031	.021	.014	.010	.007	
6.0	.123	.079	.047	.106	.068	.041	.073	.048	.029	.042	.028	.017	.014	.009	.006	
7.0	.117	.072	.040	.100	.062	.035	.069	.043	.025	.040	.026	.015	.013	.008	.005	
8.0	.111	.065	.034	.095	.057	.030	.066	.040	.021	.038	.023	.013	.012	.008	.004	
9.0	.105	.060	.030	.091	.052	.026	.063	.037	.019	.037	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.034	.016	.035	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm										
NAME: GU10射灯					TYPE:			WEIGHT:		
DIM.:					SPEC.:			SERIAL No.:		
MFR.: 惠州市华阳光电技术有限公司					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	23.6	24.7	23.9	24.9	25.1	27.6	28.7	27.9	28.9	29.1
3H	24.0	25.0	24.3	25.2	25.4	28.2	29.2	28.5	29.4	29.6
4H	24.0	24.9	24.3	25.2	25.4	28.4	29.4	28.7	29.6	29.8
6H	23.9	24.8	24.2	25.1	25.3	28.4	29.3	28.7	29.5	29.8
8H	23.9	24.7	24.2	25.0	25.3	28.4	29.2	28.7	29.5	29.7
12H	23.8	24.7	24.2	24.9	25.2	28.3	29.1	28.6	29.4	29.7
4H 2H	24.3	25.2	24.6	25.4	25.7	27.7	28.6	27.9	28.8	29.1
3H	24.8	25.6	25.1	25.9	26.1	28.4	29.2	28.8	29.5	29.8
4H	24.8	25.6	25.2	25.9	26.2	28.7	29.5	29.1	29.8	30.1
6H	24.8	25.4	25.1	25.8	26.1	28.7	29.4	29.1	29.7	30.1
8H	24.7	25.3	25.1	25.7	26.1	28.7	29.3	29.1	29.6	30.0
12H	24.7	25.2	25.1	25.6	26.0	28.6	29.2	29.0	29.6	30.0
8H 4H	25.0	25.7	25.4	26.0	26.4	28.7	29.3	29.1	29.7	30.0
6H	25.0	25.5	25.5	25.9	26.3	28.7	29.2	29.2	29.6	30.0
8H	25.0	25.4	25.4	25.8	26.3	28.7	29.1	29.1	29.5	30.0
12H	24.9	25.3	25.4	25.8	26.2	28.6	29.0	29.1	29.4	29.9
12H 4H	25.0	25.6	25.4	25.9	26.3	28.7	29.2	29.1	29.6	30.0
6H	25.0	25.4	25.5	25.9	26.3	28.7	29.1	29.1	29.5	30.0
8H	25.0	25.3	25.4	25.8	26.3	28.6	29.0	29.1	29.5	29.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.0					+ 0.7 / - 0.5				
1.5H	+ 0.4 / - 0.8					+ 1.1 / - 1.6				
2.0H	+ 1.1 / - 1.4					+ 2.6 / - 2.1				

CIE Pub.117 Corrected 459.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.7)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

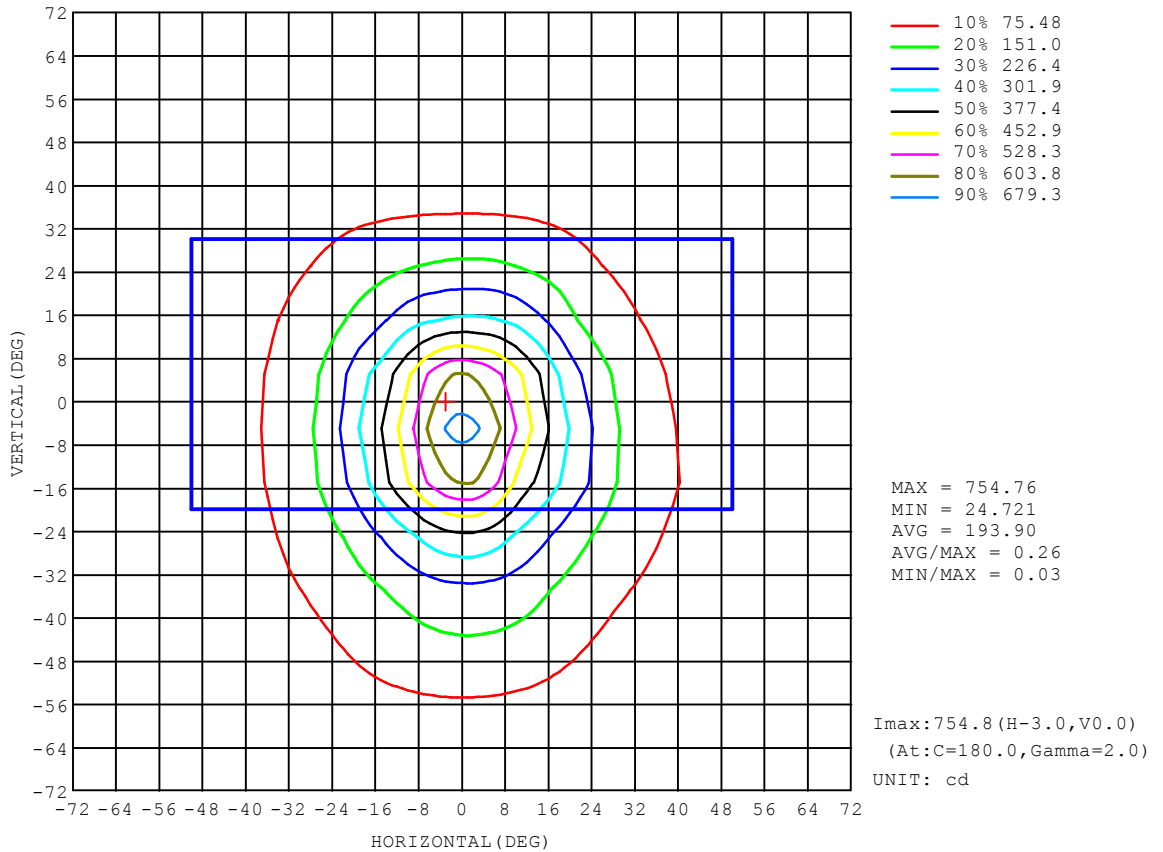
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	76	68	63	76	68	63	75	67	63	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	91	84	79	90	83	79	88	84	78	73
1.25	97	90	85	95	89	85	93	88	84	79
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	95	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	98	91
4.00	112	108	105	109	106	104	106	103	101	93
5.00	113	110	108	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-07-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity:65.0%
 Test Distance:13.083m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

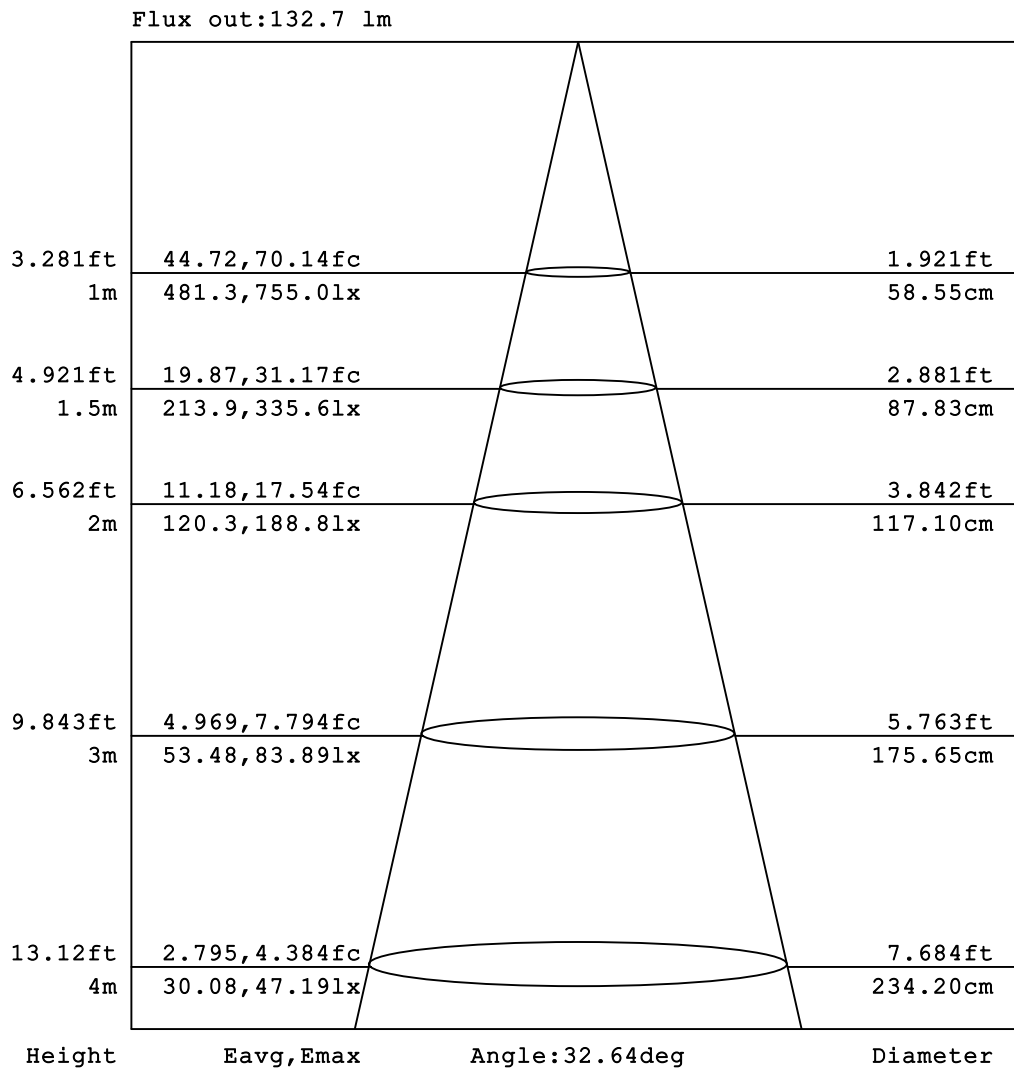


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-07-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity: 65.0%
 Test Distance: 13.083m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:



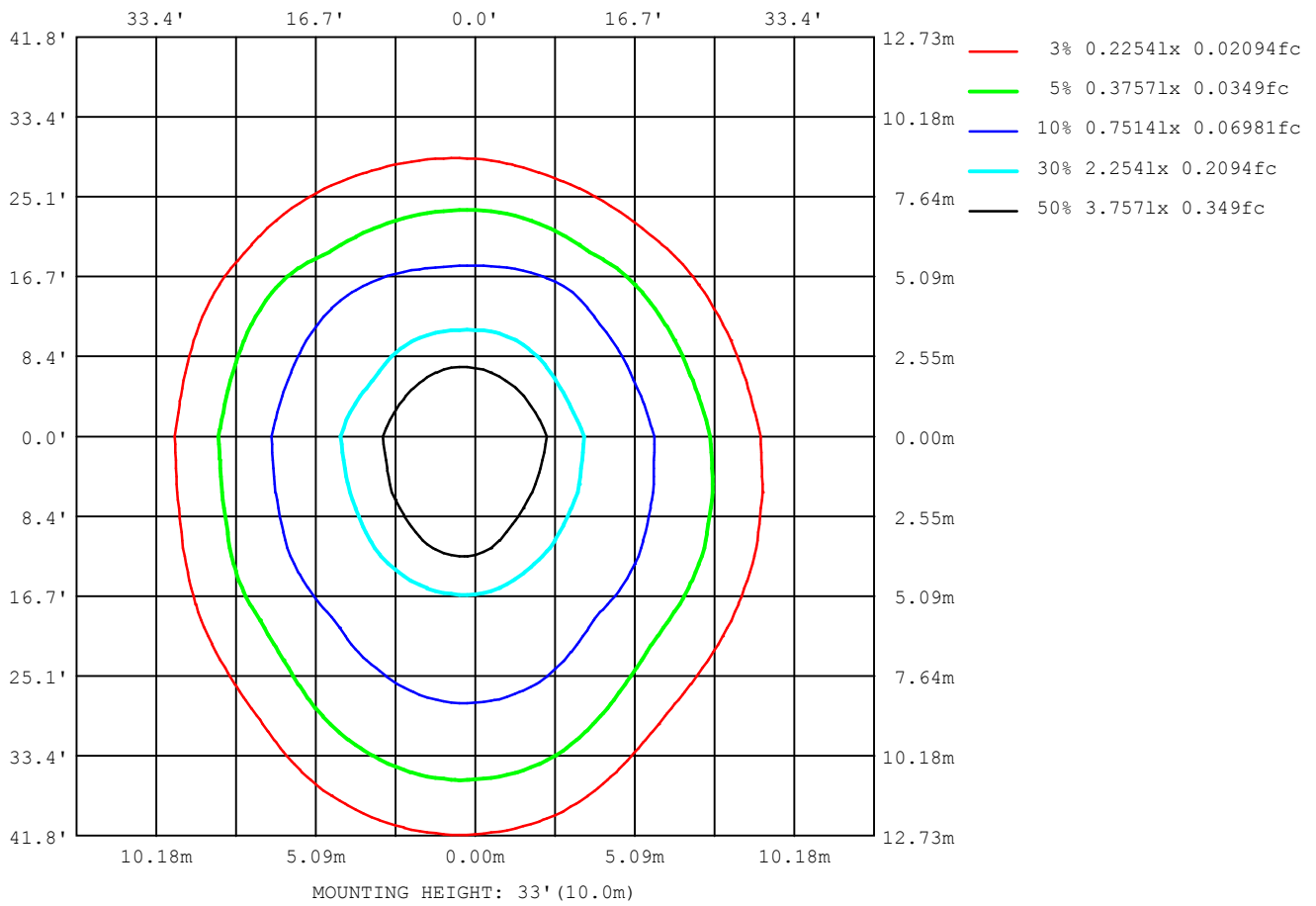
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity: 65.0%
Test Distance: 13.083m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity: 65.0%
Test Distance: 13.083m [K=1.0000]
Remarks:

Average Luminance Table (CIBSE)

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	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	459.045	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.00131959	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 deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	39635	40574	43550	49498	56338	62517	69570	81844	92625	98057	96873	90397	77531	66334	55889	45904	38684	35066	34038
60	32471	32494	34991	40525	47685	53389	56650	59195	59959	62626	66617	68787	64144	55736	46239	37127	31757	28957	28378
65	26111	25990	27692	32971	39650	44007	46560	48877	52660	57610	59123	58504	53286	45245	37970	30667	26314	24702	24369
70	18632	19432	20520	26542	31997	38451	42207	43855	46374	50818	52791	52984	48093	39276	31176	25947	21427	20402	19235
75	9096	10631	13258	19912	24659	33160	36197	36498	36869	40240	43063	44906	41589	34373	25467	21637	15216	14331	12559
80	4131	5095	6389	11573	12911	11892	11285	9612	1609	0	1888	7568	14865	20463	15845	13834	9102	7354	6377
85	2386	2904	3250	0	0	0	0	0	0	0	0	0	0	0	0	0	4264	3681	2439

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	98057	200	---	500
Category 2	65 to 90	59123	200	---	500
Category 3	75 to 90	44906	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: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

Average Luminance Table (CIBSE)

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	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	459.045	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.00131959	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 deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	39635	40574	43550	49498	56338	62517	69570	81844	92625	98057	96873	90397	77531	66334	55889	45904	38684	35066	34038
60	32471	32494	34991	40525	47685	53389	56650	59195	59959	62626	66617	68787	64144	55736	46239	37127	31757	28957	28378
65	26111	25990	27692	32971	39650	44007	46560	48877	52660	57610	59123	58504	53286	45245	37970	30667	26314	24702	24369
70	18632	19432	20520	26542	31997	38451	42207	43855	46374	50818	52791	52984	48093	39276	31176	25947	21427	20402	19235
75	9096	10631	13258	19912	24659	33160	36197	36498	36869	40240	43063	44906	41589	34373	25467	21637	15216	14331	12559
80	4131	5095	6389	11573	12911	11892	11285	9612	1609	0	1888	7568	14865	20463	15845	13834	9102	7354	6377
85	2386	2904	3250	0	0	0	0	0	0	0	0	0	0	0	0	0	4264	3681	2439

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	98057	1000	1500	200	500
65 to 90	59123	1000	1500	200	500

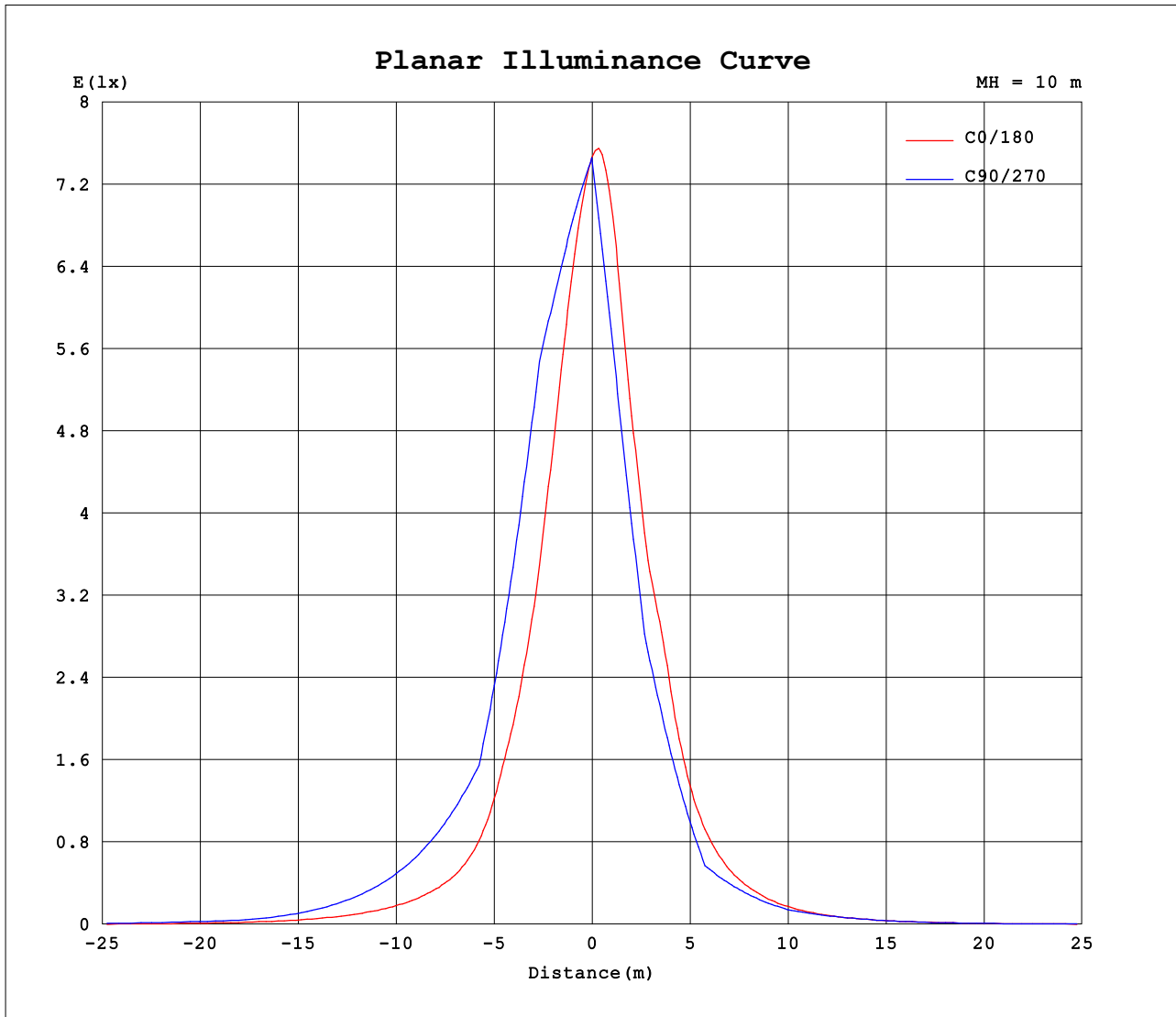
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-07-06

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.261
 Humidity: 65.0%
 Test Distance: 13.083m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746
5	660	657	654	653	652	653	654	656	659	662	665	669	674	679	684	689	693	697	700
10	529	524	520	519	519	522	526	531	539	548	560	573	587	602	614	627	638	648	654
15	388	384	383	385	389	394	401	410	420	432	447	465	487	512	539	564	583	600	608
20	279	278	279	283	289	297	307	318	332	345	356	365	379	397	420	444	462	476	485
25	196	195	198	203	212	223	237	251	256	262	269	279	288	301	315	331	346	355	362
30	126	127	130	135	143	155	166	174	182	189	196	204	213	222	231	235	239	238	239
35	87.6	89.4	92.7	97.8	105	110	113	118	124	130	135	141	154	169	183	192	200	203	206
40	67.4	69.1	72.0	76.4	80.9	82.4	84.9	87.7	90.3	92.5	99.1	108	121	134	148	159	166	170	173
45	52.4	53.5	56.0	60.1	61.5	63.4	65.9	68.5	71.1	74.0	77.6	84.0	92.8	104	116	127	133	138	140
50	40.3	40.5	42.2	44.2	45.7	48.0	50.8	53.2	55.8	58.4	61.3	64.6	70.6	78.8	87.6	95.9	101	105	107
55	30.0	29.7	30.7	31.5	33.0	35.2	37.5	40.0	42.6	45.1	47.3	49.6	52.7	56.9	61.9	66.6	70.1	72.7	74.2
60	21.4	21.0	21.4	21.8	23.1	24.6	26.7	29.1	31.5	33.5	35.2	36.4	37.4	38.4	39.1	39.2	39.6	40.3	41.3
65	14.6	14.3	14.5	15.0	15.4	16.7	18.4	20.3	22.1	23.6	24.5	25.0	26.0	26.6	27.3	28.1	29.4	30.9	32.1
70	8.41	8.54	8.77	9.03	9.26	10.5	12.0	13.3	14.4	15.9	17.4	18.4	19.0	19.5	19.8	20.2	20.9	22.0	22.9
75	3.11	3.24	3.63	4.46	4.53	5.05	6.80	7.65	8.42	9.93	11.3	12.0	12.4	12.5	12.5	12.4	12.6	13.1	13.7
80	0.95	1.01	1.17	1.40	1.46	1.89	2.65	2.70	2.96	3.92	4.34	3.76	2.95	2.14	1.40	0.80	0.37	0.10	0.00
85	0.27	0.27	0.33	0.49	0.37	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746
5	702	705	707	709	710	711	711	711	710	710	710	710	710	711	713	715	719	722	711
10	656	657	656	653	648	640	631	621	612	602	593	584	577	572	570	569	571	575	559
15	608	605	599	587	571	554	535	514	495	478	464	451	440	431	425	421	421	423	408
20	485	483	477	466	455	440	427	417	400	377	359	346	336	329	325	324	326	331	314
25	361	360	354	345	334	323	313	302	293	282	272	255	241	229	221	217	216	218	207
30	238	241	239	238	233	228	222	213	203	193	184	178	168	156	149	144	142	143	136
35	204	200	192	183	172	162	151	146	139	133	127	121	116	111	104	99.6	97.6	97.9	94.2
40	171	167	160	150	141	129	118	107	99.7	96.3	92.5	87.7	82.4	78.8	74.6	71.3	69.8	69.9	67.8
45	139	135	129	121	112	102	91.4	84.0	78.8	74.4	70.3	65.3	60.6	57.0	54.3	51.4	50.0	50.1	48.8
50	106	104	99.1	93.5	86.3	78.2	70.8	65.7	61.3	56.9	52.7	48.9	44.4	40.9	38.8	36.9	35.7	35.6	34.9
55	74.2	73.3	71.2	68.4	64.1	58.7	54.1	50.2	46.3	42.3	38.4	34.7	31.9	29.3	27.5	26.5	25.6	25.8	25.4
60	42.2	43.7	44.9	45.4	44.6	42.3	39.6	36.8	33.7	30.5	27.2	24.5	22.4	21.0	19.7	19.1	18.6	18.7	18.7
65	32.6	33.0	33.1	32.6	31.6	29.7	27.1	25.2	23.3	21.2	19.0	17.1	15.6	14.7	14.3	13.8	13.5	13.6	13.6
70	23.4	23.8	24.1	23.9	23.2	21.7	19.7	17.7	15.8	14.1	12.9	11.7	10.6	9.67	9.30	9.21	8.91	8.68	8.65
75	14.2	14.7	15.2	15.3	15.0	14.2	13.0	11.7	10.4	8.70	7.82	7.39	6.29	5.20	5.20	4.89	4.46	4.29	4.33
80	0.11	0.43	0.99	1.73	2.58	3.41	4.12	4.69	4.79	3.63	3.29	3.17	2.66	2.09	1.93	1.69	1.52	1.46	1.48
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.49	0.57	0.42	0.40	0.28	0.29
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746
5	699	689	679	671	663	656	649	643	637	632	626	622	616	612	608	604	602	600	598
10	545	534	524	516	509	504	499	494	489	485	481	477	473	469	464	460	458	455	454
15	395	385	377	371	366	363	360	357	353	348	342	335	329	323	318	314	314	314	318
20	300	288	277	268	260	255	252	250	250	251	249	246	243	241	240	238	239	239	241
25	199	192	188	186	183	178	178	177	178	178	178	176	172	168	166	164	164	164	166
30	132	129	127	126	125	125	126	126	123	120	116	111	104	97.7	92.7	89.4	88.7	89.9	93.1
35	92.1	91.1	90.9	90.5	90.8	90.4	89.7	87.6	83.5	76.7	75.0	74.4	74.1	73.8	73.4	73.1	73.0	72.9	72.5
40	67.0	67.2	67.6	67.4	67.4	67.1	66.0	63.8	63.5	63.0	62.4	61.4	60.5	59.6	58.8	58.0	57.4	56.9	56.3
45	48.7	49.7	50.0	50.4	50.8	50.6	51.2	51.6	51.4	51.0	50.1	48.9	47.5	45.9	44.5	43.0	41.8	40.8	40.1
50	35.2	36.0	36.5	37.3	38.2	39.0	39.7	40.1	40.1	39.6	39.1	38.6	37.8	36.8	35.8	34.8	33.8	32.8	31.8
55	26.0	26.3	26.9	27.7	28.5	29.3	29.9	30.2	30.7	31.0	31.0	30.5	29.7	28.7	27.7	26.8	25.8	25.0	24.3
60	19.2	19.4	20.0	20.4	21.0	21.5	22.2	22.7	23.1	23.2	23.1	22.5	21.7	20.7	19.6	18.7	17.8	17.3	16.9
65	13.8	14.2	14.4	14.8	15.1	15.5	15.9	16.2	16.1	16.0	16.2	16.2	15.9	15.4	14.8	14.2	13.6	13.1	12.7
70	8.64	8.89	9.09	9.58	9.69	10.3	10.6	10.7	11.0	11.2	11.4	11.3	11.1	10.7	10.2	9.76	9.33	9.00	8.72
75	4.36	4.30	4.45	4.50	4.99	5.61	5.85	6.00	6.32	6.62	6.60	6.43	6.19	5.88	5.57	5.32	5.09	4.92	4.80
80	1.44	1.43	1.42	1.60	1.86	1.70	1.44	1.59	1.88	1.80	1.44	1.03	0.67	0.37	0.16	0.04	0.00	0.04	0.14
85	0.32	0.38	0.22	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.1V I:0.0269A P:5.151W PF:0.8327 Lamp Flux:459.045x1 lm		
NAME: GU10射灯	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: 惠州市华阳光电技术有限公司	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C (DEG) \ γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	746	746	746	746	746	746	746	746	746	746	746	746	746	746	746				
5	596	596	595	596	597	599	602	605	609	614	619	625	633	641	650				
10	453	454	454	455	455	457	459	463	468	473	479	485	493	503	515				
15	322	325	327	330	333	333	334	335	336	339	343	348	354	363	374				
20	242	241	240	238	235	233	233	233	232	232	234	238	245	254	265				
25	167	169	169	167	167	164	159	153	147	150	153	159	165	174	184				
30	97.3	102	106	109	110	108	105	103	99.8	98.2	100	104	108	113	119				
35	71.9	71.0	70.1	69.4	69.0	72.0	72.9	73.0	73.2	73.5	73.8	75.3	77.4	79.7	83.1				
40	55.7	55.0	54.6	54.2	53.9	53.8	54.3	55.7	56.5	57.0	57.6	58.6	60.0	61.7	64.1				
45	39.8	39.8	40.2	40.7	41.3	42.0	43.0	43.7	44.3	44.9	45.7	46.4	47.5	48.5	50.0				
50	30.8	30.1	29.6	29.5	30.1	31.6	32.8	33.8	34.6	35.4	35.9	36.6	37.5	38.1	38.8				
55	23.7	23.3	23.2	23.2	23.3	23.8	24.2	25.3	26.3	27.1	27.8	28.3	28.8	29.3	29.2				
60	16.8	16.8	16.9	17.2	17.5	18.0	18.4	18.8	19.2	20.1	20.7	21.2	21.1	21.4	21.1				
65	12.4	12.2	12.0	12.0	11.9	12.4	13.0	13.5	13.8	14.1	14.5	14.5	14.6	14.3	14.2				
70	8.54	8.42	8.33	8.28	8.22	8.16	8.29	8.48	8.48	8.35	8.41	7.94	7.89	7.86	8.07				
75	4.73	4.70	4.67	4.68	4.49	4.25	4.27	4.49	4.06	3.49	3.12	3.31	2.90	2.88	2.92				
80	0.30	0.51	0.74	0.98	1.04	0.92	0.72	0.79	1.08	1.13	0.97	0.80	0.80	0.81	0.84				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.20	0.18	0.22	0.26				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-07-06

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.261
Humidity:65.0%
Test Distance:13.083m [K=1.0000]
Remarks: