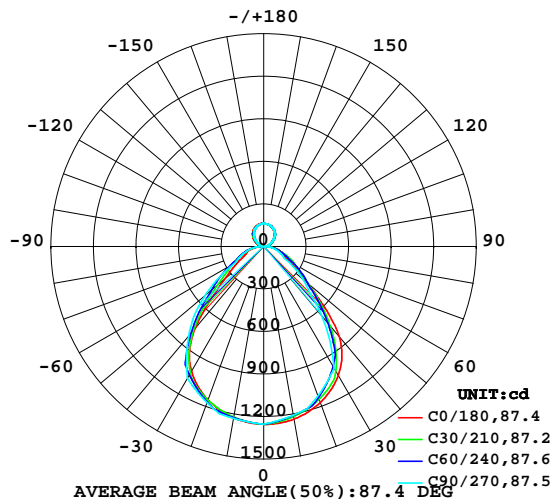


## LUMINAIRE PHOTOMETRIC TEST REPORT

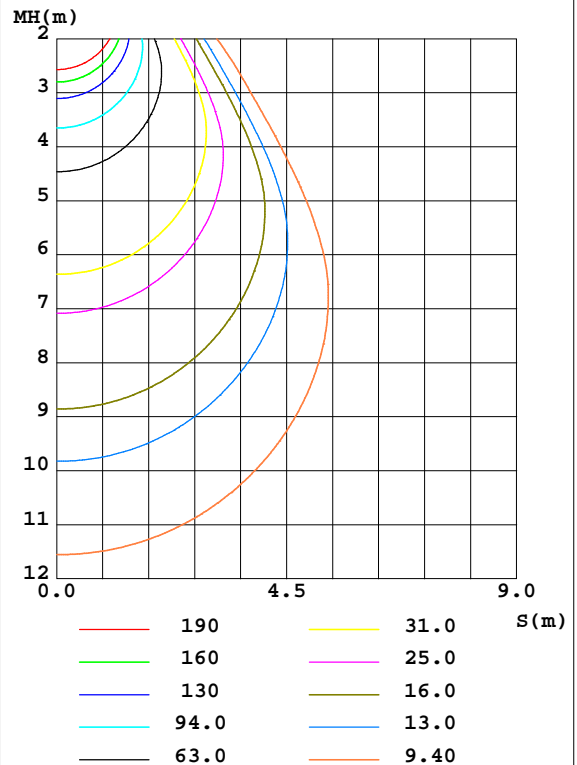
Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 60$ (mm)	
	SUR.: $\phi 388$ (mm)	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.25 lm/W			
MODEL		Imax(cd)	1255	S/MH(C0/180)	1.21
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3077.9	$\eta$ UP,DN(C0-180)	7.7,40.2
NOMINAL FLUX(lm)	3077.9	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	7.3,44.7
LAMPS INSIDE	1	$\eta$ up(%)	15.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.8	$\eta$ down(%)	85.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-21

V(B) Range:-180 - 180DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks: 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

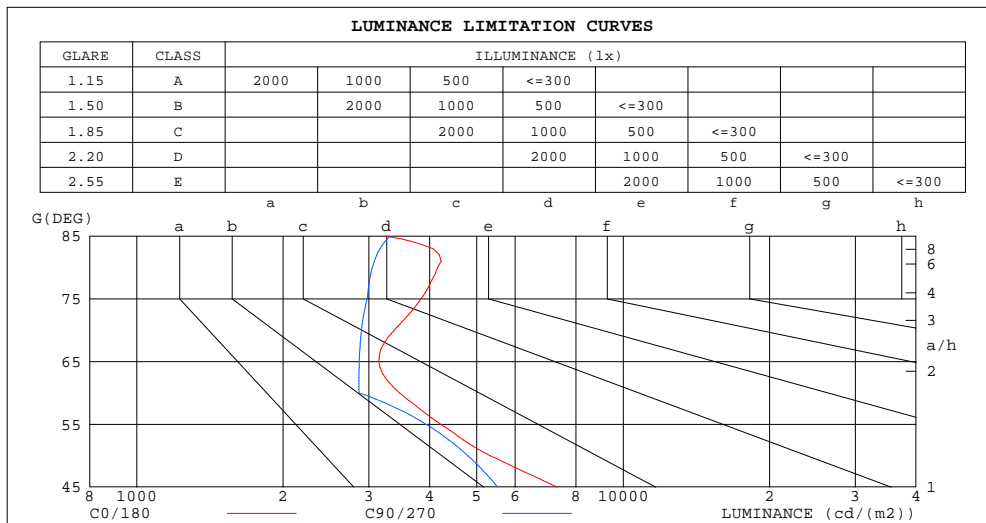
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1236	1213	1208	1206	1227	1223	1231	1230	0- 10	117.8	117.8	3.83,3.83
20	1171	1149	1121	1133	1150	1168	1172	1184	10- 20	336.7	454.5	14.8,14.8
30	1052	976.3	992.6	952.1	1017	1029	1076	1056	20- 30	502.6	957.1	31.1,31.1
40	829.0	709.0	638.0	672.5	750.5	812.8	823.2	857.9	30- 40	561.4	1518	49.3,49.3
50	404.0	425.9	363.5	393.0	360.1	479.8	542.1	513.5	40- 50	449.8	1968	64,64
60	204.8	240.4	169.1	229.6	193.5	265.3	232.5	294.0	50- 60	293.7	2262	73.5,73.5
70	136.5	143.8	117.0	135.1	127.6	162.1	156.2	163.3	60- 70	188.1	2450	79.6,79.6
80	85.21	76.74	62.52	69.64	71.53	93.66	82.84	98.04	70- 80	119.0	2569	83.5,83.5
90	9.089	7.792	5.755	6.715	5.691	9.062	12.31	11.84	80- 90	45.94	2615	85,85
100	26.61	24.28	21.39	24.24	28.60	17.34	17.42	18.00	90-100	16.21	2631	85.5,85.5
110	46.21	45.02	42.16	45.58	48.87	39.00	31.79	38.14	100-110	33.18	2664	86.6,86.6
120	68.81	69.71	68.05	70.10	72.32	63.64	55.41	62.24	110-120	52.99	2717	88.3,88.3
130	95.35	96.35	96.12	96.33	99.08	90.31	85.49	88.94	120-130	71.26	2789	90.6,90.6
140	119.7	121.6	120.4	121.4	123.1	116.4	112.3	115.9	130-140	82.00	2871	93.3,93.3
150	138.4	139.0	140.8	138.7	142.0	135.9	135.8	135.9	140-150	80.63	2951	95.9,95.9
160	151.5	152.9	152.1	152.6	154.9	152.0	149.9	152.2	150-160	67.04	3018	98.1,98.1
170	159.6	158.8	159.2	158.7	163.0	160.2	159.9	160.3	160-170	44.20	3062	99.5,99.5
180	162.2	162.2	162.2	162.2	165.6	165.6	165.6	165.6	170-180	15.41	3078	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

**V(B) Range:-180 - 180DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks: 电源: LF-GIF040YS0800H 电源**  
**灯板: C400-13S46P-V7.2 、**  
**4XC400-13S2P-V2.0 灯珠: NP23090**  
**1-14 (亮锐, 0.2W 4000K 普通光效)**  
**(正发光+背发光, 加防眩膜)**

## LUMINANCE LIMITATION CURVES

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 60$ (mm)	
	SUR.: $\phi 388$ (mm)	



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	3254	3319
80	4159	3051
75	3844	2976
70	3383	2898
65	3145	2868
60	3471	2865
55	4217	3934
50	5327	4792
45	7312	5521

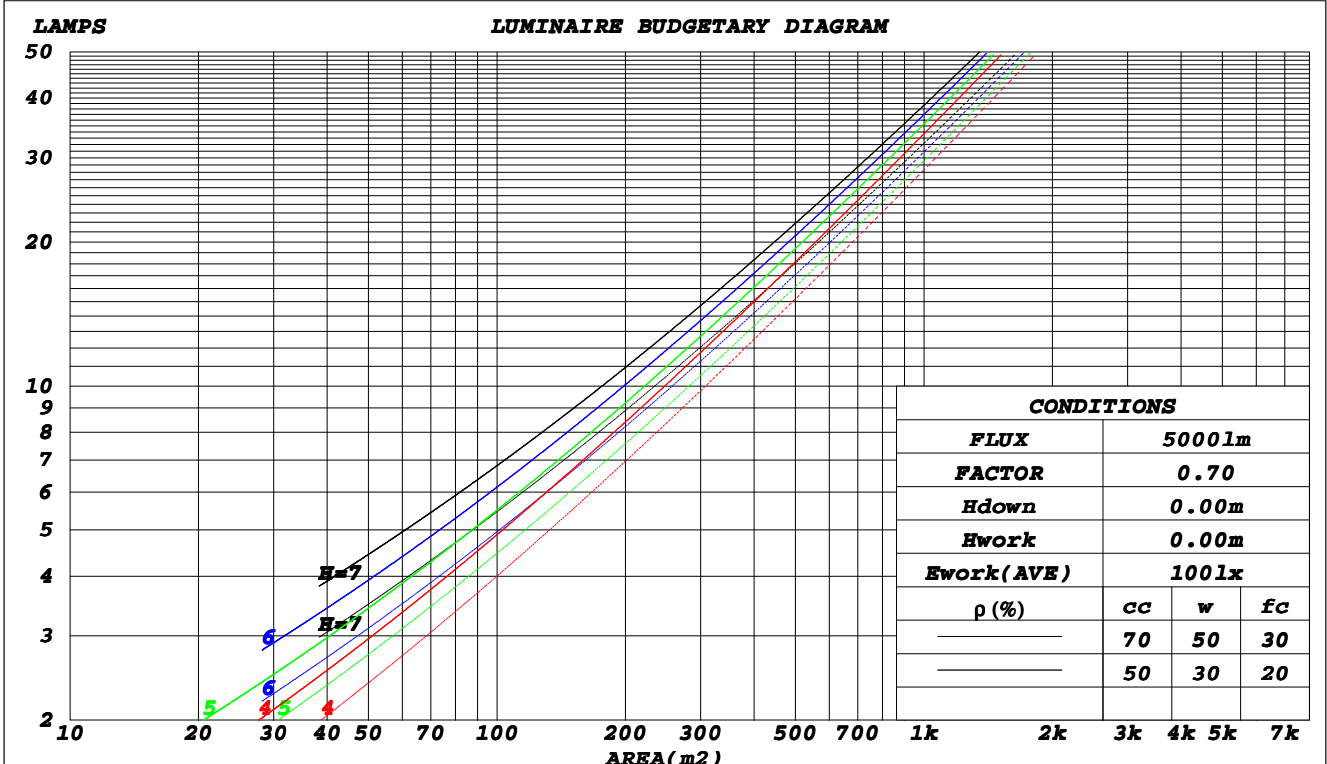
**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

**V(B) Range:-180 - 180DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:** 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz		
Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 60$ (mm)	
	SUR.: $\phi 388$ (mm)	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.11	1.11	1.11	1.03	1.03	1.03	.95	.95	.95	.88	.88	.88	.85
1.0	1.02	.99	.95	.99	.95	.92	.92	.89	.87	.85	.83	.81	.79	.78	.76	.73
2.0	.91	.85	.80	.88	.82	.78	.82	.77	.74	.76	.73	.70	.71	.69	.66	.63
3.0	.81	.74	.68	.78	.72	.67	.73	.68	.63	.69	.64	.61	.64	.61	.58	.55
4.0	.73	.65	.59	.70	.63	.58	.66	.60	.55	.62	.57	.53	.58	.54	.51	.48
5.0	.66	.58	.52	.64	.56	.51	.60	.54	.49	.57	.51	.47	.53	.49	.45	.43
6.0	.60	.52	.46	.58	.50	.45	.55	.48	.43	.52	.46	.42	.49	.44	.40	.38
7.0	.54	.46	.41	.53	.46	.40	.50	.44	.39	.47	.42	.38	.45	.40	.36	.34
8.0	.50	.42	.37	.49	.41	.36	.46	.40	.35	.44	.38	.34	.42	.37	.33	.31
9.0	.46	.38	.33	.45	.38	.33	.43	.36	.32	.41	.35	.31	.39	.34	.30	.28
10.0	.43	.35	.30	.42	.35	.30	.40	.33	.29	.38	.32	.28	.36	.31	.28	.26



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-21

V(B) Range:-180 - 180DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks: 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)

## WEC AND CCEC

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz		
Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\Phi$ 400*60 (mm)	
	SUR.: $\Phi$ 388 (mm)	

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.271	.154	.049	.259	.148	.047	.238	.136	.044	.218	.126	.040	.199	.116	.037		
2.0	.254	.139	.043	.243	.134	.041	.224	.125	.039	.206	.116	.036	.190	.107	.034		
3.0	.236	.126	.038	.227	.122	.037	.210	.114	.035	.194	.106	.033	.179	.099	.031		
4.0	.220	.114	.034	.211	.111	.033	.196	.104	.031	.181	.097	.029	.168	.091	.028		
5.0	.205	.104	.030	.197	.101	.030	.183	.095	.028	.170	.090	.027	.158	.084	.025		
6.0	.192	.096	.027	.185	.093	.027	.172	.088	.026	.160	.083	.024	.148	.078	.023		
7.0	.180	.089	.025	.173	.086	.025	.162	.082	.024	.151	.077	.022	.140	.073	.021		
8.0	.169	.082	.023	.163	.080	.023	.152	.076	.022	.142	.072	.021	.133	.068	.020		
9.0	.159	.077	.021	.154	.075	.021	.144	.071	.020	.135	.067	.019	.126	.064	.018		
10.0	.150	.072	.020	.146	.070	.020	.136	.067	.019	.128	.063	.018	.119	.060	.017		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.305	.305	.305	.261	.261	.261	.178	.178	.178	.102	.102	.102	.033	.033	.033	
1.0	.293	.272	.253	.251	.233	.218	.172	.161	.151	.099	.093	.088	.032	.030	.028	
2.0	.283	.248	.219	.243	.214	.189	.166	.148	.132	.096	.086	.077	.031	.028	.025	
3.0	.275	.231	.196	.236	.199	.170	.162	.138	.119	.093	.081	.070	.030	.026	.023	
4.0	.267	.218	.180	.229	.188	.157	.158	.131	.110	.091	.077	.065	.029	.025	.021	
5.0	.260	.207	.169	.223	.179	.147	.154	.125	.104	.089	.074	.062	.029	.024	.020	
6.0	.253	.199	.161	.217	.172	.140	.150	.121	.099	.087	.071	.059	.028	.023	.019	
7.0	.247	.192	.154	.212	.167	.134	.147	.117	.095	.085	.069	.057	.028	.023	.019	
8.0	.241	.187	.150	.207	.162	.130	.143	.114	.093	.083	.067	.055	.027	.022	.018	
9.0	.235	.182	.146	.203	.158	.127	.140	.111	.090	.082	.066	.054	.026	.022	.018	
10.0	.230	.178	.143	.198	.154	.125	.138	.109	.089	.080	.064	.053	.026	.021	.018	

**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

**V(B) Range:-180 - 180DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks: 电源: LF-GIF040YS0800H 电源**  
**灯板: C400-13S46P-V7.2 、**  
**4XC400-13S2P-V2.0 灯珠: NP23090**  
**1-14 (亮锐, 0.2W 4000K 普通光效)**  
**(正发光+背发光, 加防眩膜)**

UGR(Unified Glare Rating) Table

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm										
Name: C400 32W 000 4000K(普通光效)					Type: 圆柱形					
MFR.:					DIM.: $\phi 400 \times 60$ (mm)					
					SUR.: $\phi 388$ (mm)					
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	14.6	15.8	15.2	16.4	17.1	13.9	15.1	14.5	15.7	16.3
3H	15.9	17.0	16.5	17.6	18.3	15.2	16.3	15.8	16.9	17.6
4H	16.7	17.7	17.4	18.3	19.1	15.8	16.8	16.5	17.5	18.2
6H	17.4	18.3	18.0	19.0	19.7	16.4	17.4	17.1	18.0	18.7
8H	17.6	18.5	18.2	19.1	19.9	16.7	17.5	17.3	18.2	18.9
12H	17.7	18.6	18.4	19.2	20.0	16.9	17.7	17.5	18.3	19.1
4H 2H	15.1	16.1	15.7	16.7	17.4	14.5	15.5	15.1	16.1	16.8
3H	16.8	17.6	17.4	18.3	19.0	16.1	17.0	16.8	17.6	18.4
4H	17.7	18.5	18.4	19.1	19.9	16.9	17.6	17.6	18.3	19.1
6H	18.5	19.2	19.2	19.9	20.6	17.6	18.2	18.3	18.9	19.7
8H	18.8	19.4	19.4	20.1	20.8	17.9	18.5	18.6	19.2	20.0
12H	18.9	19.5	19.6	20.2	21.0	18.1	18.7	18.8	19.4	20.2
8H 4H	18.1	18.7	18.7	19.4	20.1	17.3	17.9	17.9	18.6	19.4
6H	19.0	19.5	19.7	20.3	21.1	18.1	18.6	18.8	19.3	20.1
8H	19.4	19.8	20.1	20.6	21.4	18.5	18.9	19.2	19.7	20.5
12H	19.6	20.0	20.4	20.8	21.6	18.8	19.2	19.6	20.0	20.8
12H 4H	18.1	18.6	18.8	19.3	20.1	17.3	17.8	18.0	18.6	19.4
6H	19.1	19.6	19.8	20.3	21.1	18.2	18.7	18.9	19.4	20.2
8H	19.5	19.9	20.3	20.7	21.5	18.7	19.1	19.4	19.8	20.7
CIE190: 2010										

CIE190: 2010  
Area: 0.118 m<sup>2</sup>

H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-21

V(B) Range:-180 - 180DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks: 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)

## UTILIZATION FACTORS TABLE

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 60$ (mm)	
	SUR.: $\phi 388$ (mm)	

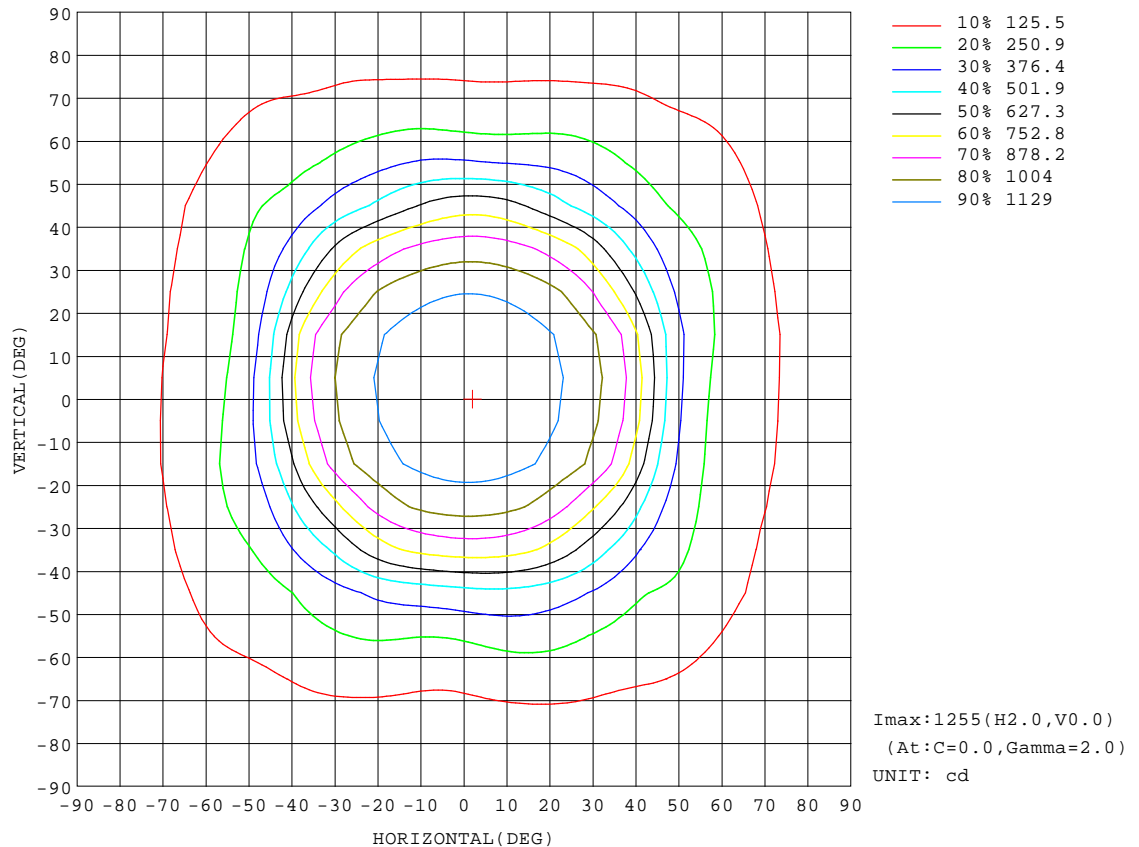
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	50	44	59	49	44	57	48	43	37
0.80	70	59	53	68	59	53	65	57	51	44
1.00	77	67	61	75	66	60	72	66	59	51
1.25	84	74	68	81	73	67	77	70	65	57
1.50	88	79	73	86	78	72	81	74	70	60
2.00	94	86	81	91	84	79	86	80	76	66
2.50	97	90	85	94	88	83	88	83	79	68
3.00	100	94	89	97	91	87	91	86	83	71
4.00	104	99	94	100	96	92	94	90	87	74
5.00	106	102	98	102	98	95	95	92	90	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

**$H(\beta)$  Range:-90 - 90DEG**  
 **$H(\beta)$  Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

**$V(B)$  Range:-180 - 180DEG**  
 **$V(B)$  Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks: 电源: LF-GIF040YS0800H 电源**  
**灯板: C400-13S46P-V7.2 、**  
**4XC400-13S2P-V2.0 灯珠: NP23090**  
**1-14 (亮锐, 0.2W 4000K 普通光效)**  
**(正发光+背发光, 加防眩膜)**

## ISOCANDELA DIAGRAM

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\Phi$ 400*60 (mm)	
	SUR.: $\Phi$ 388 (mm)	



**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

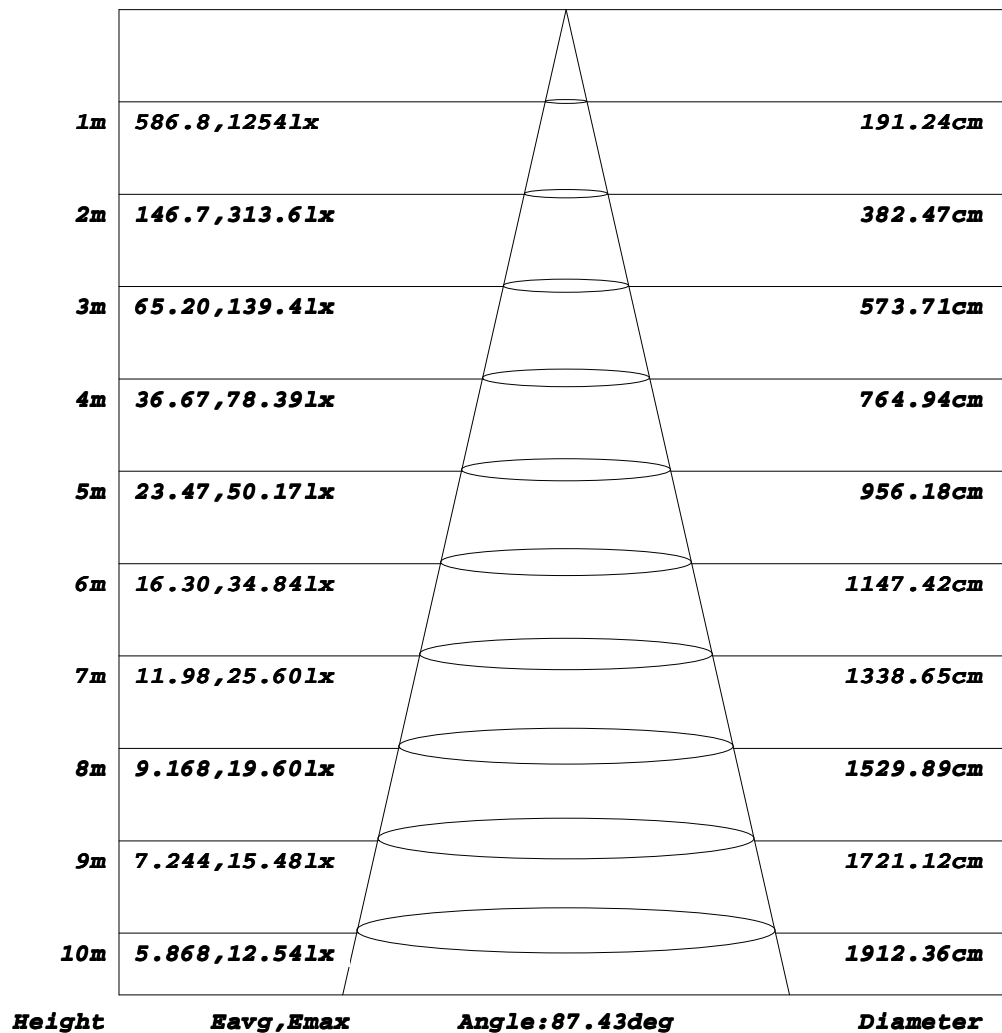
**V(B) Range:-180 - 180DEG**  
**V(B) Interval: 5.0DEG**  
**Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:** 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)



## AAI Figure

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\Phi 400 \times 60$ (mm)	
	SUR.: $\Phi 388$ (mm)	

Flux out:1719 lm



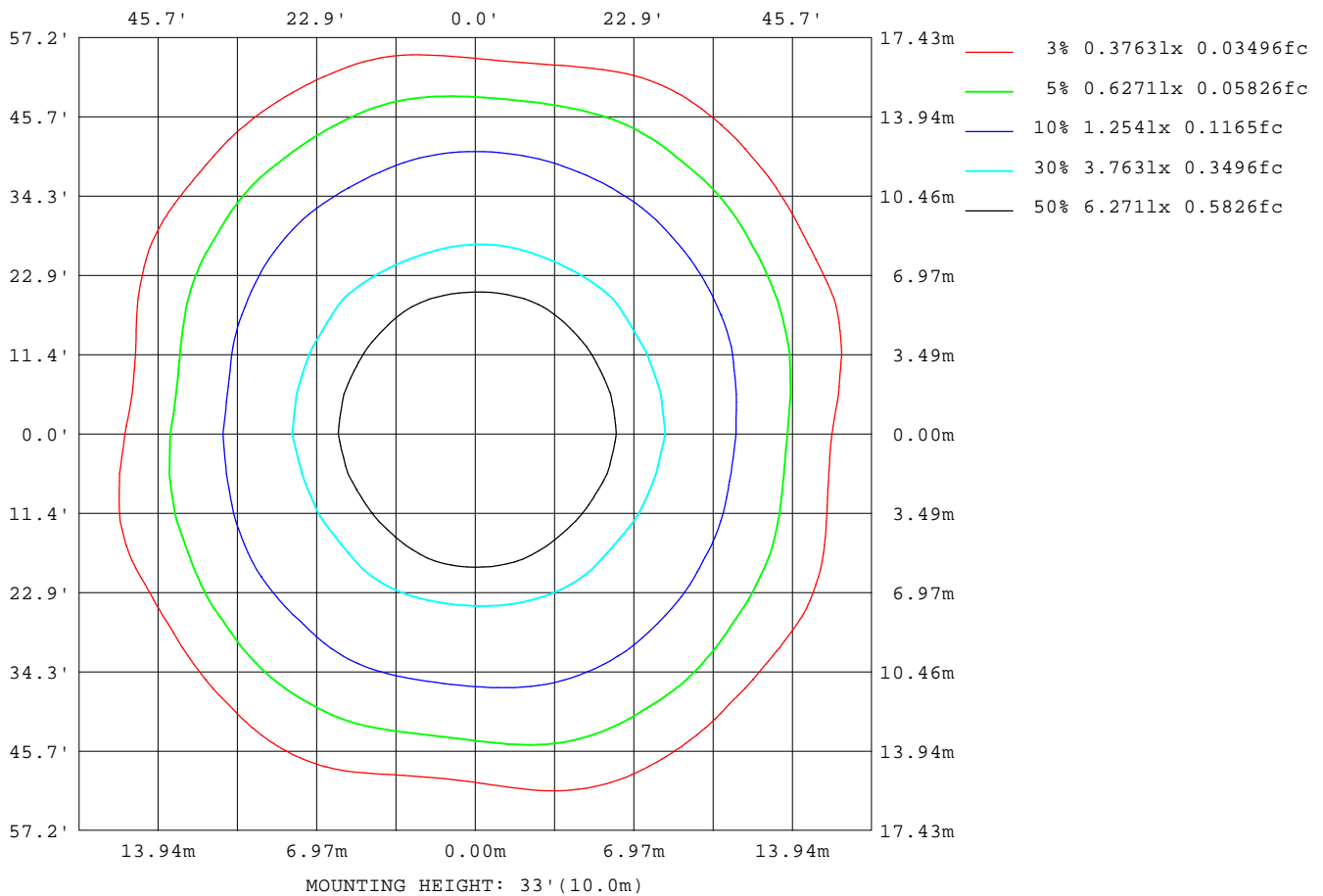
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**H( $\beta$ ) Range:** -90 - 90DEG  
**H( $\beta$ ) Interval:** 1.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** DAMIN  
**Test Date:** 2023-10-21

**V(B) Range:** -180 - 180DEG  
**V(B) Interval:** 5.0DEG  
**Test System:** EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
**Humidity:** 65.0%  
**Test Distance:** 8.000m [K=0.7063]  
**Remarks:** 电源: LF-GIF040YS0800H 电源  
 灯板: C400-13S46P-V7.2、  
 4XC400-13S2P-V2.0 灯珠: NP23090  
 1-14 (亮锐, 0.2W 4000K 普通光效)  
 (正发光+背发光, 加防眩膜)

## ISOLUX DIAGRAM

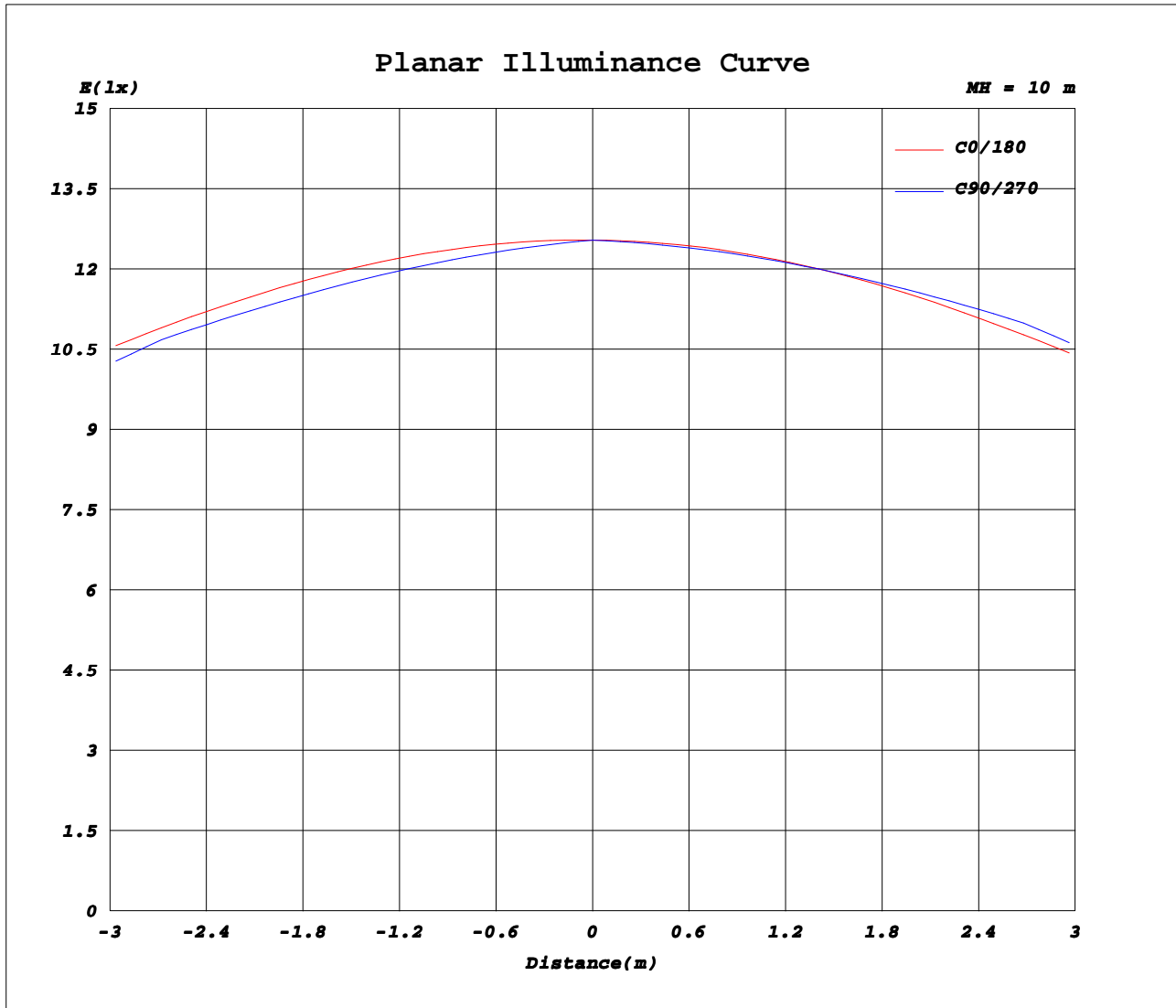
Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\Phi 400 \times 60$ (mm)	
	SUR.: $\Phi 388$ (mm)	



**H( $\beta$ ) Range: -90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: DAMIN**  
**Test Date: 2023-10-21**

**V(B) Range: -180 - 180DEG**  
**V(B) Interval: 5.0DEG**  
**Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.443**  
**Humidity: 65.0%**  
**Test Distance: 8.000m [K=0.7063]**  
**Remarks:** 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)

## Planar Illuminance Curve



H( $\beta$ ) Range:-90 - 90DEG  
H( $\beta$ ) Interval: 1.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-10-21

V(B) Range:-180 - 180DEG  
V(B) Interval: 5.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks: 电源: LF-GIF040YS0800H 电源  
灯板: C400-13S46P-V7.2 、  
4XC400-13S2P-V2.0 灯珠: NP23090  
1-14 (亮锐, 0.2W 4000K 普通光效)  
(正发光+背发光, 加防眩膜)

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm																		
Name: C400 32W 000 4000K(普通光效)										Type: 圆柱形								
MFR.:										DIM.: $\phi$ 400*60 (mm)								
										SUR.: $\phi$ 388 (mm)								

Table--1

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254
5	1251	1249	1247	1245	1244	1242	1241	1239	1238	1237	1236	1235	1234	1234	1233	1232	1232	1231	1231
10	1236	1232	1229	1226	1223	1220	1218	1216	1215	1213	1212	1212	1211	1210	1210	1209	1209	1209	1208
15	1210	1204	1199	1195	1191	1189	1187	1185	1185	1184	1184	1185	1185	1185	1186	1186	1186	1186	1185
20	1171	1163	1157	1152	1149	1146	1146	1146	1147	1149	1146	1139	1134	1130	1127	1125	1123	1122	1121
25	1119	1109	1102	1097	1094	1094	1095	1099	1084	1074	1068	1063	1060	1059	1059	1058	1058	1057	1057
30	1052	1039	1029	1024	1024	1028	1018	997	983	976	975	976	979	983	987	990	992	993	993
35	962	942	929	925	929	916	886	866	856	855	863	875	869	859	848	837	828	820	815
40	829	798	780	776	776	754	731	714	706	709	711	710	704	693	681	669	657	646	638
45	610	585	577	580	578	573	565	555	555	558	558	554	545	532	517	502	487	473	461
50	404	394	396	404	409	412	412	422	424	426	423	413	407	407	406	400	390	376	363
55	285	281	288	297	307	312	314	313	312	310	321	326	328	328	324	315	300	281	266
60	205	201	208	223	241	252	255	245	238	240	246	248	250	251	245	232	211	187	169
65	157	152	156	169	184	201	208	201	191	185	180	177	184	190	190	182	170	155	143
70	137	133	133	136	145	152	154	153	149	144	140	141	144	146	144	138	130	122	117
75	117	116	112	111	109	109	109	112	113	111	107	106	105	103	98.0	93.2	90.2	89.9	90.9
80	85.2	72.8	69.7	70.1	71.9	75.3	76.3	77.1	77.7	76.7	74.5	72.7	71.1	68.7	65.7	63.1	61.7	61.8	62.5
85	33.5	28.1	30.2	32.7	36.6	42.0	43.6	43.2	42.9	42.2	40.9	39.7	38.8	37.6	36.0	34.6	33.8	33.8	34.1
90	9.09	9.93	10.1	10.1	10.2	10.8	10.4	9.50	8.59	7.79	7.23	6.65	6.39	6.26	6.15	6.04	5.93	5.82	5.75
95	11.8	16.5	15.3	14.3	15.4	19.3	18.8	17.6	16.7	16.0	15.5	14.9	14.6	14.3	14.1	13.9	13.8	13.7	13.6
100	26.6	27.8	28.2	27.6	27.5	28.4	27.5	26.1	24.9	24.3	23.8	23.2	22.8	22.4	22.1	21.8	21.6	21.5	21.4
105	36.9	37.6	37.5	37.9	37.8	37.8	36.9	35.9	35.1	34.4	33.6	32.9	32.1	31.4	30.7	30.2	29.7	29.4	29.2
110	46.2	46.9	46.7	46.9	47.5	47.3	46.6	46.2	45.7	45.0	44.4	43.9	43.4	43.0	42.8	42.6	42.4	42.2	42.2
115	56.6	56.9	57.2	57.4	57.6	57.7	57.6	57.4	57.2	56.7	55.9	55.1	54.9	54.9	55.0	55.0	55.1	55.1	55.1
120	68.8	68.8	69.9	69.5	70.1	69.8	69.6	69.9	70.0	69.7	69.3	68.7	68.2	68.0	67.9	67.9	67.9	68.0	68.0
125	82.5	82.2	83.6	83.0	83.0	83.5	83.0	82.9	83.3	83.7	83.3	82.8	82.4	82.2	82.1	82.1	82.1	82.1	82.1
130	95.4	95.0	95.9	96.5	96.0	96.3	97.0	96.5	96.3	96.3	96.6	97.0	96.9	96.6	96.5	96.3	96.2	96.1	96.1
135	108	107	108	110	109	109	109	110	109	109	109	109	109	109	110	110	110	110	110
140	120	119	119	120	121	121	120	121	121	122	121	121	121	120	120	120	120	120	120
145	130	129	129	130	131	131	131	130	130	131	132	132	132	131	131	131	131	131	131
150	138	138	138	138	139	140	140	139	139	139	139	139	140	140	140	140	141	141	141
155	146	145	145	145	145	146	146	147	147	146	146	146	146	146	146	146	146	146	146
160	152	151	151	151	151	151	151	152	152	153	153	153	153	152	152	152	152	152	152
165	156	156	156	156	156	156	156	156	156	156	156	157	157	157	157	158	158	158	158
170	160	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
175	162	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
180	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162

**H( $\beta$ ) Range:-90 - 90DEG****H( $\beta$ ) Interval: 1.0DEG****Test Speed: HIGH****Temperature:25.3DEG****Operators:DAMIN****Test Date:2023-10-21****V(B) Range:-180 - 180DEG****V(B) Interval: 5.0DEG****Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443****Humidity:65.0%****Test Distance:8.000m [K=0.7063]****Remarks: 电源: LF-GIF040YS0800H 电源****灯板: C400-13S46P-V7.2 、****4XC400-13S2P-V2.0 灯珠: NP23090****1-14 (亮锐, 0.2W 4000K 普通光效)****(正发光+背发光, 加防眩膜)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 60$ (mm)	
	SUR.: $\phi 388$ (mm)	

Table--2

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254
5	1231	1231	1231	1231	1231	1232	1232	1233	1234	1234	1236	1237	1238	1239	1241	1242	1244	1246	1245
10	1208	1207	1207	1206	1206	1206	1206	1206	1206	1207	1208	1210	1211	1214	1216	1219	1223	1227	1225
15	1184	1183	1182	1180	1178	1177	1176	1174	1173	1173	1173	1173	1174	1176	1180	1184	1189	1195	1192
20	1120	1120	1120	1120	1122	1124	1128	1132	1133	1131	1129	1127	1127	1128	1131	1136	1142	1150	1147
25	1056	1054	1053	1052	1050	1049	1049	1051	1055	1062	1074	1070	1066	1066	1068	1073	1082	1093	1088
30	991	988	984	980	973	967	960	954	952	955	964	982	988	984	985	990	1001	1017	1012
35	814	816	824	833	843	853	855	838	824	820	826	839	860	867	864	871	888	914	906
40	634	636	644	656	669	678	683	680	672	664	667	677	687	697	696	701	719	750	738
45	454	456	466	482	500	514	521	522	518	517	517	522	521	517	518	514	516	531	520
50	355	354	360	368	374	374	377	387	393	396	397	395	387	378	375	367	359	360	352
55	259	262	272	287	299	304	302	296	288	292	293	291	287	287	289	289	274	265	254
60	163	170	188	210	229	240	242	238	230	219	216	224	232	241	238	228	209	194	182
65	138	141	150	164	177	185	187	184	177	172	173	182	191	194	192	175	161	148	141
70	115	116	121	128	135	141	143	140	135	131	134	142	146	142	139	134	131	128	125
75	91.8	91.0	89.5	89.8	92.8	97.6	101	102	101	100	101	104	105	102	99.0	99.4	101	107	107
80	63.1	62.6	61.2	60.4	61.1	63.4	66.0	68.0	69.6	70.3	70.3	69.8	69.1	67.9	62.1	56.6	58.9	71.5	73.8
85	34.4	34.1	33.5	33.1	33.5	34.7	36.1	37.1	38.1	38.5	38.4	37.4	34.9	30.2	26.8	24.2	19.1	18.2	28.4
90	5.71	5.70	5.73	5.78	5.85	5.93	6.03	6.21	6.71	6.69	6.78	7.37	6.88	6.52	6.32	6.57	7.22	5.69	7.39
95	13.5	13.5	13.6	13.8	14.0	14.3	14.6	14.9	15.5	15.8	16.2	17.1	16.5	13.9	14.7	15.6	17.3	13.2	12.2
100	21.3	21.4	21.5	21.8	22.2	22.7	23.2	23.6	24.2	24.9	25.8	26.8	27.5	28.1	29.3	29.9	30.6	28.6	20.6
105	29.2	29.5	29.9	30.5	31.3	32.2	33.0	33.8	34.7	35.5	36.2	37.0	37.7	38.3	39.2	40.0	40.0	39.4	37.1
110	42.1	42.2	42.5	42.8	43.2	43.6	44.2	44.8	45.6	46.4	46.8	47.2	47.5	48.1	48.6	49.0	49.0	48.9	47.7
115	55.1	55.1	55.1	55.2	55.2	55.3	55.6	56.3	57.2	57.8	57.8	58.1	58.4	58.6	59.4	58.9	58.8	60.1	57.3
120	68.0	68.0	68.1	68.1	68.2	68.5	68.9	69.5	70.1	70.2	70.2	70.2	70.6	71.2	70.5	70.6	70.1	72.3	70.6
125	82.1	82.1	82.1	82.2	82.2	82.4	82.8	83.3	83.7	83.5	83.3	83.8	84.6	84.0	83.6	83.9	83.0	85.6	83.8
130	96.1	96.1	96.2	96.3	96.4	96.6	96.7	96.4	96.3	96.4	96.8	97.7	97.2	96.7	97.1	96.6	96.1	99.1	97.3
135	110	110	110	109	109	109	109	109	109	109	110	109	109	109	109	108	108	112	110
140	120	120	120	120	120	120	120	121	121	121	120	120	120	121	120	119	119	123	121
145	131	131	131	131	131	132	132	131	131	130	130	130	131	131	130	130	130	133	132
150	141	141	140	140	140	140	139	139	139	139	139	140	139	139	138	138	138	142	141
155	146	146	146	146	146	146	146	146	146	146	147	146	146	145	145	145	145	149	148
160	152	152	152	152	152	152	152	153	153	152	152	151	151	151	151	151	151	155	154
165	158	158	157	157	157	157	156	156	156	156	156	155	155	155	155	156	156	160	159
170	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	163	162
175	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	165	165
180	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	166	166

**H( $\beta$ ) Range:-90 - 90DEG****H( $\beta$ ) Interval: 1.0DEG****Test Speed: HIGH****Temperature:25.3DEG****Operators:DAMIN****Test Date:2023-10-21****V(B) Range:-180 - 180DEG****V(B) Interval: 5.0DEG****Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443****Humidity:65.0%****Test Distance:8.000m [K=0.7063]****Remarks: 电源: LF-GIF040YS0800H 电源****灯板: C400-13S46P-V7.2 、****4XC400-13S2P-V2.0 灯珠: NP23090****1-14 (亮锐, 0.2W 4000K 普通光效)****(正发光+背发光, 加防眩膜)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm																		
Name: C400 32W 000 4000K(普通光效)										Type: 圆柱形								
MFR.:										DIM.: $\phi 400 \times 60$ (mm)								
										SUR.: $\phi 388$ (mm)								

Table--3

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254
5	1245	1244	1243	1243	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1242	1243	1243	1243	1243
10	1223	1222	1222	1221	1221	1222	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1231	1232	1232
15	1190	1189	1189	1190	1191	1193	1196	1198	1201	1204	1207	1210	1213	1215	1217	1219	1220	1220	1220
20	1145	1145	1146	1149	1152	1157	1162	1168	1170	1168	1167	1168	1168	1169	1170	1171	1172	1173	1174
25	1087	1087	1091	1096	1103	1112	1108	1106	1106	1107	1110	1112	1115	1118	1120	1122	1124	1125	1125
30	1011	1014	1021	1031	1033	1027	1026	1029	1034	1041	1048	1054	1061	1066	1071	1074	1076	1077	1077
35	907	915	929	929	919	918	924	936	951	966	958	949	944	943	944	946	949	953	955
40	742	761	781	771	770	776	794	813	810	804	798	795	796	801	809	817	823	827	827
45	528	551	564	578	592	609	627	637	640	638	634	636	643	656	672	686	697	701	697
50	354	367	387	410	429	448	467	480	482	477	481	495	510	524	534	539	542	543	542
55	253	266	285	305	321	332	338	345	361	370	377	385	394	401	400	394	387	384	387
60	181	197	218	239	256	261	259	265	273	277	280	282	283	281	270	250	233	225	233
65	143	155	170	191	207	212	210	204	198	194	204	212	218	221	217	206	194	188	189
70	127	131	140	149	157	164	166	162	158	159	165	170	172	172	170	163	156	152	154
75	108	109	110	113	117	124	129	129	126	125	128	130	127	124	122	120	118	117	118
80	74.5	76.1	77.9	79.7	84.0	89.4	93.6	93.7	90.9	89.4	90.1	90.3	88.2	86.2	85.2	84.4	82.8	82.1	83.0
85	33.0	34.2	40.3	44.9	47.7	49.6	51.0	51.3	50.3	50.0	50.6	51.0	50.2	49.3	48.8	48.4	47.6	47.2	47.7
90	7.76	7.88	8.07	8.19	8.30	8.17	8.53	9.06	9.65	10.8	11.3	11.7	12.1	12.3	12.4	12.4	12.3	12.3	12.4
95	11.3	10.7	10.7	13.2	14.0	13.6	13.5	13.3	13.7	14.3	14.6	14.7	14.9	14.9	15.0	15.0	14.9	14.8	14.9
100	19.8	20.8	22.0	22.5	21.6	20.2	18.7	17.3	17.8	17.9	17.8	17.7	17.7	17.6	17.5	17.5	17.4	17.4	17.4
105	35.6	34.9	33.9	32.9	31.8	30.7	28.5	27.5	26.7	25.4	24.2	23.0	22.0	21.1	20.5	20.1	20.0	20.0	20.4
110	47.0	45.8	44.8	43.7	42.2	40.8	39.5	39.0	37.8	36.6	35.4	34.4	33.5	32.8	32.3	31.9	31.8	31.8	32.0
115	56.4	56.8	54.8	54.6	52.1	52.1	51.9	50.8	49.4	47.9	46.8	45.8	45.1	44.5	44.0	43.7	43.6	43.6	43.8
120	69.7	67.4	68.3	66.3	66.2	65.1	64.4	63.6	62.5	61.2	59.9	58.6	57.6	56.7	56.0	55.6	55.4	55.5	55.7
125	83.5	82.1	81.6	81.4	79.8	78.5	77.8	77.2	76.2	75.0	73.9	73.0	72.1	71.5	70.9	70.6	70.5	70.5	70.7
130	96.7	96.0	94.8	94.5	94.0	92.4	91.2	90.3	89.6	89.1	88.4	87.5	86.9	86.3	85.8	85.6	85.5	85.6	85.8
135	109	109	107	106	106	106	105	103	102	102	101	101	101	101	101	101	101	101	101
140	120	120	120	118	117	117	117	116	115	114	114	113	113	113	112	112	112	112	112
145	131	130	130	130	128	127	127	127	127	127	126	126	125	125	124	124	124	124	124
150	140	139	139	139	138	137	136	136	136	135	135	136	136	136	136	136	136	136	136
155	147	146	146	146	146	146	145	144	144	144	143	143	143	143	143	143	143	143	143
160	153	153	152	152	152	152	152	152	152	151	151	151	150	150	150	150	150	150	150
165	158	158	157	157	157	157	156	156	156	156	157	157	157	157	157	157	157	157	157
170	162	162	161	161	161	160	160	160	160	160	160	160	160	160	160	160	160	160	160
175	164	164	164	164	164	163	163	163	163	163	163	163	163	163	163	163	163	163	163
180	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166

**H( $\beta$ ) Range:-90 - 90DEG****H( $\beta$ ) Interval: 1.0DEG****Test Speed: HIGH****Temperature:25.3DEG****Operators:DAMIN****Test Date:2023-10-21****V(B) Range:-180 - 180DEG****V(B) Interval: 5.0DEG****Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443****Humidity:65.0%****Test Distance:8.000m [K=0.7063]****Remarks: 电源: LF-GIF040YS0800H 电源****灯板: C400-13S46P-V7.2 、****4XC400-13S2P-V2.0 灯珠: NP23090****1-14 (亮锐, 0.2W 4000K 普通光效)****(正发光+背发光, 加防眩膜)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1410A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3077.9x1 lm																	
Name: C400 32W 000 4000K(普通光效)									Type: 圆柱形								
MFR.:									DIM.: $\phi 400 \times 60$ (mm)								
									SUR.: $\phi 388$ (mm)								

Table--4

UNIT: cd

$\gamma$ (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254	1254				
5	1244	1244	1244	1244	1244	1245	1245	1246	1246	1246	1247	1248	1248	1249	1250				
10	1232	1232	1232	1231	1231	1231	1230	1230	1230	1230	1230	1231	1232	1233	1234				
15	1220	1219	1217	1216	1214	1212	1210	1208	1206	1205	1204	1204	1204	1205	1207				
20	1175	1176	1177	1179	1181	1184	1184	1179	1174	1171	1168	1166	1165	1166	1167				
25	1125	1125	1125	1124	1124	1125	1127	1130	1135	1127	1121	1117	1114	1113	1115				
30	1075	1073	1070	1066	1062	1059	1056	1056	1058	1064	1064	1055	1049	1046	1047				
35	958	963	970	982	994	983	972	963	958	960	972	974	962	955	955				
40	825	822	823	827	837	848	858	841	823	818	826	845	834	820	818				
45	688	677	669	667	670	677	678	670	659	650	651	649	649	623	608				
50	539	533	524	511	506	511	513	510	501	491	483	471	458	436	413				
55	394	401	406	404	397	388	379	380	374	365	355	343	333	321	299				
60	253	278	298	307	307	302	294	284	273	273	273	275	263	247	224				
65	199	213	225	229	226	223	218	213	211	217	223	222	214	194	175				
70	161	170	177	180	178	172	163	158	163	173	178	173	164	154	146				
75	121	125	128	132	134	134	130	128	130	132	133	128	124	120	119				
80	85.0	86.7	87.8	89.8	93.2	96.5	98.0	99.5	99.6	98.7	95.5	92.1	88.6	86.8	85.3				
85	48.8	49.7	50.2	51.3	52.9	54.3	54.9	56.0	57.6	58.3	57.2	52.5	44.5	42.5	42.3				
90	12.6	12.6	12.6	12.6	12.5	12.1	11.8	11.9	11.9	12.3	12.2	11.7	10.7	9.85	8.98				
95	15.1	15.1	15.2	15.3	15.2	15.0	14.9	15.1	15.2	15.4	13.7	11.0	10.9	10.8	11.5				
100	17.5	17.6	17.8	17.9	17.9	17.9	18.0	18.6	20.0	21.5	22.0	20.9	20.2	19.6	20.1				
105	20.9	21.7	22.6	23.7	24.9	26.1	27.4	28.7	29.9	31.1	32.2	33.1	34.0	33.9	35.9				
110	32.4	33.0	33.8	34.7	35.8	37.0	38.1	39.2	40.4	41.6	42.9	44.3	44.6	45.5	46.7				
115	44.0	44.5	45.1	45.8	46.8	48.3	49.7	50.7	51.8	53.0	53.9	54.7	55.7	56.4	57.0				
120	56.2	56.9	57.8	59.0	60.1	61.2	62.2	63.1	63.9	65.0	65.8	66.8	67.5	69.0	68.9				
125	71.1	71.7	72.4	73.2	74.1	75.0	75.7	76.2	76.8	78.0	79.5	79.9	81.1	82.8	82.7				
130	86.1	86.5	87.1	87.8	88.5	88.5	88.9	89.6	90.5	91.9	92.5	93.2	94.9	95.5	95.7				
135	101	101	101	101	101	102	102	103	105	105	105	106	108	108	108				
140	113	113	113	114	114	115	116	116	116	117	118	119	119	120	120				
145	125	125	125	126	127	127	126	127	127	128	130	130	130	130	131				
150	136	136	135	135	135	136	136	136	137	139	139	139	139	139	140				
155	143	143	143	143	144	144	145	145	146	146	146	146	146	147	147				
160	150	150	151	151	151	152	152	152	152	152	152	152	153	153	154				
165	157	157	157	157	157	157	157	157	157	157	157	157	158	158	159				
170	160	160	160	160	160	160	160	160	161	161	161	161	162	162	163				
175	163	163	163	163	163	163	163	163	164	164	164	164	164	165	165				
180	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166				

**H( $\beta$ ) Range:-90 - 90DEG****H( $\beta$ ) Interval: 1.0DEG****Test Speed: HIGH****Temperature:25.3DEG****Operators:DAMIN****Test Date:2023-10-21****V(B) Range:-180 - 180DEG****V(B) Interval: 5.0DEG****Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.443****Humidity:65.0%****Test Distance:8.000m [K=0.7063]****Remarks: 电源: LF-GIF040YS0800H 电源****灯板: C400-13S46P-V7.2 、****4XC400-13S2P-V2.0 灯珠: NP23090****1-14 (亮锐, 0.2W 4000K 普通光效)****(正发光+背发光, 加防眩膜)**