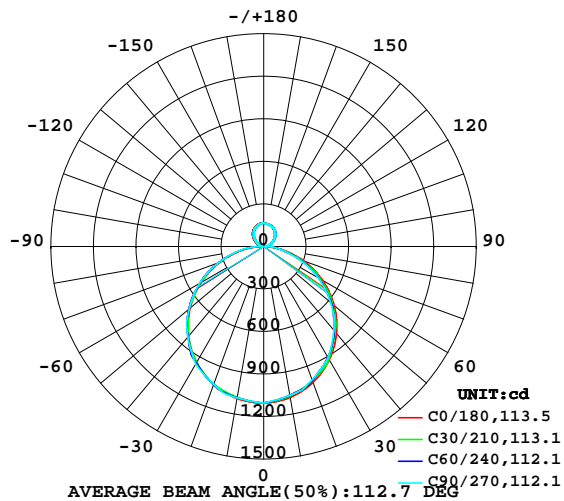


## LUMINAIRE PHOTOMETRIC TEST REPORT

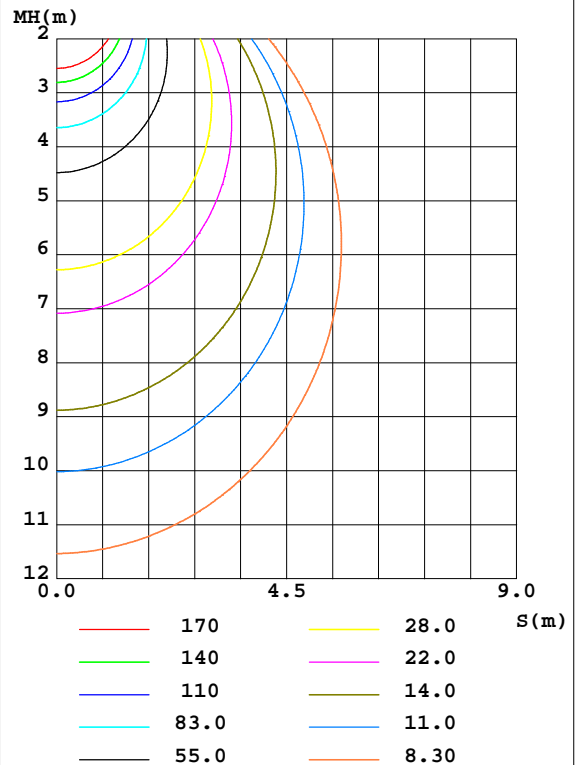
Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\phi 400 \times 60$ (mm)	
	SUR.: $\phi 388$ (mm)	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.38 lm/W			
MODEL		I <sub>max</sub> (cd)	1104	S/MH(C0/180)	1.27
NOMINAL POWER(W)	32	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3659.5	$\eta$ UP,DN(C0-180)	6.8,41.8
NOMINAL FLUX(lm)	3659.51	CIE CLASS	SEMI-D.	$\eta$ UP,DN(C180-360)	6.3,45.1
LAMPS INSIDE	1	$\eta$ up(%)	13.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.8	$\eta$ down(%)	86.9	CIBSE SHR MAX	1.35

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, 不加防眩膜)

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

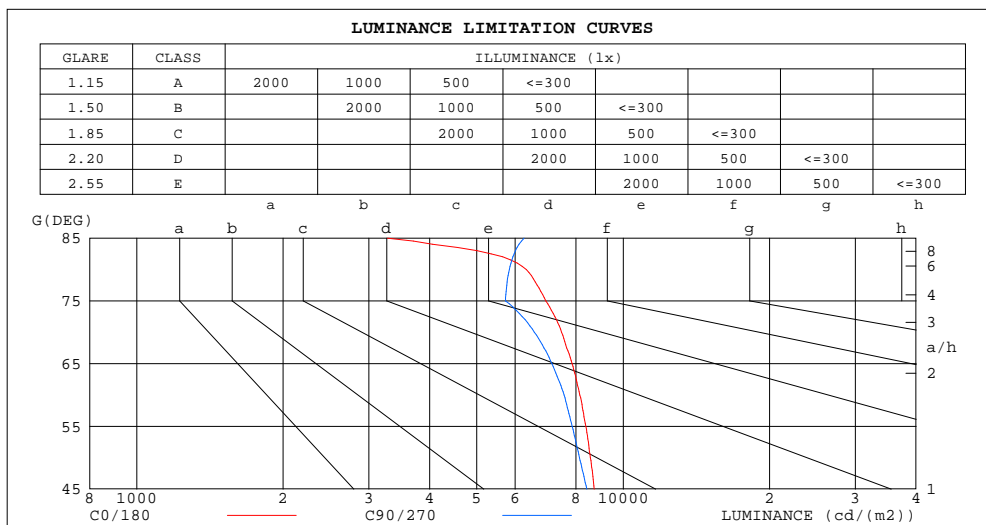
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1081	1067	1066	1068	1089	1081	1084	1079	0- 10	103.8	103.8	2.84,2.84
20	1020	1013	1001	1013	1034	1038	1035	1038	10- 20	297.4	401.2	11,11
30	924.7	904.6	908.1	911.4	944.8	946.7	958.7	939.2	20- 30	450.7	851.9	23.3,23.3
40	800.0	780.4	770.9	795.3	825.3	839.4	833.3	823.4	30- 40	544.7	1397	38.2,38.2
50	649.4	622.6	617.0	639.2	678.1	690.2	688.6	671.2	40- 50	566.4	1963	53.6,53.6
60	480.7	452.3	446.1	467.5	508.8	522.8	524.5	505.4	50- 60	513.1	2476	67.7,67.7
70	301.6	276.2	265.2	287.0	328.2	343.1	342.1	328.4	60- 70	394.4	2871	78.4,78.4
80	129.5	109.9	119.5	116.8	152.0	163.5	171.1	154.4	70- 80	232.8	3103	84.8,84.8
90	10.69	10.72	9.070	9.926	9.157	10.41	11.60	9.777	80- 90	76.22	3179	86.9,86.9
100	29.70	29.69	26.24	27.00	29.77	19.34	19.43	21.27	90-100	18.79	3198	87.4,87.4
110	48.75	50.85	47.56	48.24	48.21	39.64	35.38	42.25	100-110	36.31	3235	88.4,88.4
120	71.30	75.01	73.02	72.07	70.78	64.04	59.45	66.71	110-120	55.87	3290	89.9,89.9
130	98.40	100.4	100.6	98.14	98.51	91.22	89.08	93.29	120-130	73.73	3364	91.9,91.9
140	122.5	124.8	124.3	123.5	124.1	118.5	115.7	120.0	130-140	84.16	3448	94.2,94.2
150	141.0	142.2	143.9	140.2	143.5	138.0	139.4	140.1	140-150	82.38	3531	96.5,96.5
160	153.7	155.8	154.5	153.6	157.0	154.1	153.2	156.3	150-160	68.26	3599	98.3,98.3
170	161.5	161.0	161.2	160.2	165.5	162.7	162.9	163.5	160-170	44.89	3644	99.6,99.6
180	163.8	163.8	163.8	163.8	168.3	168.3	168.3	168.3	170-180	15.62	3660	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, 不加防眩膜)**

## LUMINANCE LIMITATION CURVES

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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	3276	6256
80	6320	5833
75	6940	5727
70	7473	6571
65	7857	7135
60	8148	7561
55	8380	7856
50	8562	8134
45	8722	8420

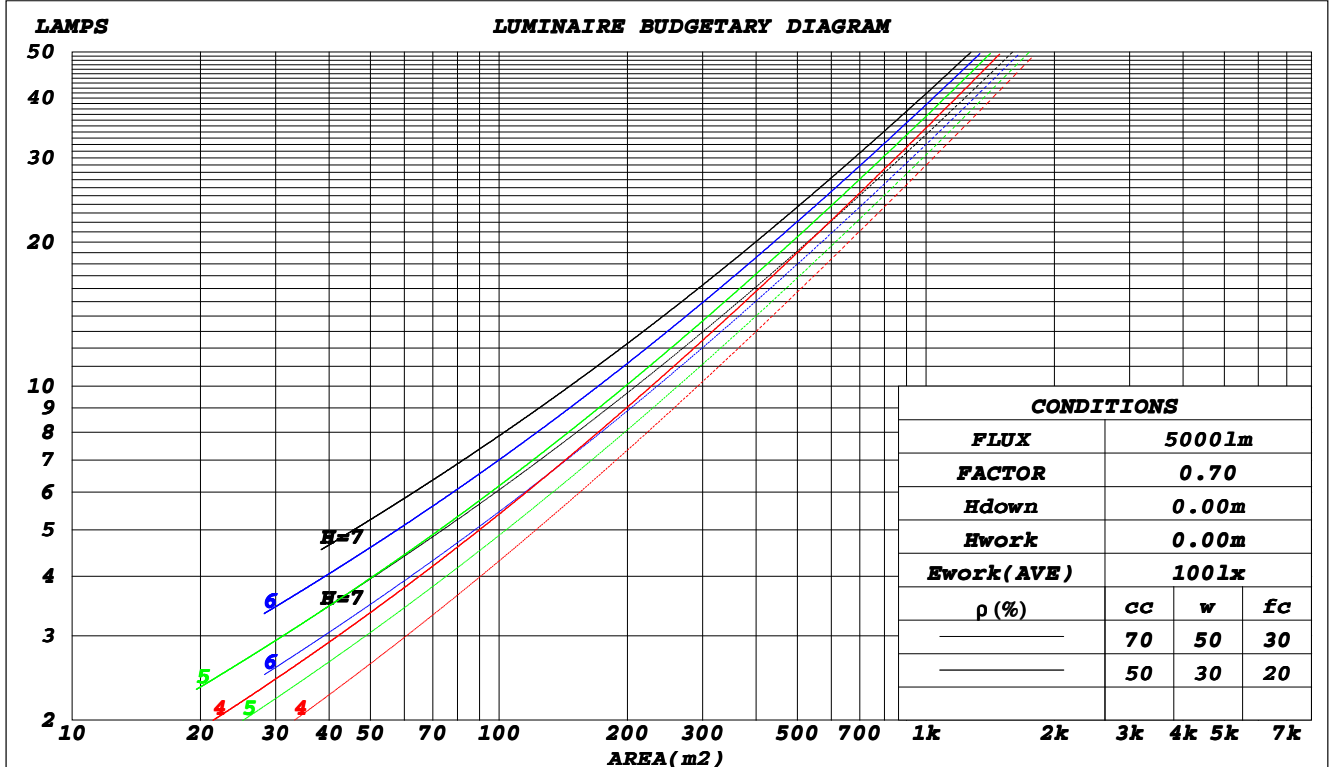
**H( $\beta$ ) Range:-90 - 90DEG**  
**H( $\beta$ ) Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

**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, 不加防眩膜)

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz		
Lamp Flux:3659.51x1 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	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	1.01	.96	.93	.97	.93	.90	.91	.87	.85	.84	.82	.80	.79	.77	.75	.72
2.0	.88	.81	.75	.85	.78	.73	.79	.74	.70	.74	.70	.66	.69	.66	.63	.60
3.0	.77	.69	.62	.74	.67	.61	.69	.63	.58	.65	.60	.56	.61	.57	.53	.50
4.0	.68	.59	.53	.66	.58	.52	.62	.55	.49	.58	.52	.47	.54	.49	.45	.43
5.0	.61	.52	.45	.59	.50	.44	.55	.48	.43	.52	.46	.41	.49	.44	.39	.37
6.0	.54	.46	.39	.53	.45	.39	.50	.43	.37	.47	.41	.36	.44	.39	.35	.32
7.0	.49	.41	.35	.48	.40	.34	.45	.38	.33	.43	.36	.32	.40	.35	.31	.28
8.0	.45	.36	.31	.44	.36	.30	.41	.34	.29	.39	.33	.28	.37	.31	.27	.25
9.0	.41	.33	.28	.40	.32	.27	.38	.31	.26	.36	.30	.26	.34	.29	.25	.23
10.0	.38	.30	.25	.37	.30	.25	.35	.28	.24	.33	.27	.23	.32	.26	.22	.21



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, 不加防眩膜)

## WEC AND CCEC

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.309	.176	.056	.298	.170	.054	.277	.159	.051	.258	.149	.048	.241	.140	.045		
2.0	.288	.158	.048	.278	.153	.047	.260	.144	.045	.243	.136	.043	.227	.128	.040		
3.0	.266	.141	.042	.257	.138	.041	.240	.130	.040	.225	.123	.038	.210	.117	.036		
4.0	.245	.127	.037	.237	.124	.037	.222	.118	.035	.208	.112	.034	.195	.106	.032		
5.0	.226	.115	.033	.219	.112	.033	.205	.107	.031	.193	.102	.030	.181	.097	.029		
6.0	.210	.105	.030	.203	.103	.030	.191	.098	.028	.179	.093	.027	.168	.089	.026		
7.0	.195	.096	.027	.189	.094	.027	.178	.090	.026	.167	.086	.025	.157	.082	.024		
8.0	.182	.089	.025	.177	.087	.025	.166	.083	.024	.157	.079	.023	.147	.076	.022		
9.0	.171	.083	.023	.166	.081	.023	.156	.077	.022	.147	.074	.021	.139	.070	.020		
10.0	.161	.077	.021	.156	.075	.021	.147	.072	.020	.139	.069	.020	.131	.066	.019		

$\rho_{cc}$	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	.290	.290	.290	.248	.248	.248	.169	.169	.169	.097	.097	.097	.031	.031	.031	
1.0	.281	.257	.235	.240	.220	.202	.164	.152	.140	.095	.088	.081	.030	.028	.026	
2.0	.273	.233	.200	.234	.201	.173	.160	.139	.121	.092	.081	.071	.030	.026	.023	
3.0	.266	.216	.177	.228	.187	.153	.156	.130	.108	.090	.076	.063	.029	.025	.021	
4.0	.258	.203	.161	.222	.176	.140	.152	.122	.099	.088	.072	.058	.028	.023	.019	
5.0	.251	.193	.151	.216	.167	.131	.148	.117	.092	.086	.069	.055	.028	.022	.018	
6.0	.244	.185	.143	.210	.160	.124	.145	.112	.088	.084	.066	.052	.027	.022	.017	
7.0	.237	.178	.137	.204	.155	.119	.141	.108	.085	.082	.064	.050	.026	.021	.017	
8.0	.231	.173	.133	.199	.150	.116	.138	.105	.082	.080	.062	.049	.026	.020	.016	
9.0	.225	.168	.129	.194	.146	.113	.134	.102	.080	.078	.061	.048	.025	.020	.016	
10.0	.220	.164	.127	.189	.142	.111	.131	.100	.079	.077	.059	.047	.025	.019	.016	

**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, 不加防眩膜)**

UGR(Unified Glare Rating) Table

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.5lx1 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	18.5	19.8	19.0	20.4	21.0	18.1	19.5	18.7	20.1	20.7
3H	20.4	21.6	20.9	22.2	22.8	19.8	21.1	20.4	21.6	22.3
4H	21.1	22.2	21.7	22.8	23.5	20.4	21.6	21.0	22.1	22.8
6H	21.5	22.6	22.1	23.2	23.9	20.9	22.0	21.5	22.5	23.2
8H	21.6	22.6	22.2	23.2	23.9	21.1	22.1	21.7	22.7	23.4
12H	21.6	22.6	22.3	23.2	24.0	21.2	22.2	21.9	22.8	23.6
4H 2H	19.0	20.2	19.6	20.8	21.4	18.8	19.9	19.4	20.5	21.2
3H	21.1	22.1	21.7	22.7	23.4	20.7	21.7	21.3	22.3	23.0
4H	21.9	22.8	22.5	23.4	24.2	21.4	22.3	22.0	22.9	23.6
6H	22.5	23.3	23.1	23.9	24.7	22.0	22.7	22.6	23.4	24.1
8H	22.6	23.3	23.3	24.0	24.7	22.2	23.0	22.9	23.6	24.4
12H	22.7	23.3	23.3	24.0	24.8	22.5	23.1	23.1	23.8	24.5
8H 4H	22.1	22.9	22.8	23.5	24.3	21.7	22.4	22.3	23.1	23.8
6H	22.8	23.4	23.5	24.1	24.9	22.4	23.0	23.1	23.7	24.5
8H	23.0	23.6	23.7	24.3	25.0	22.8	23.3	23.5	24.0	24.8
12H	23.1	23.6	23.8	24.3	25.2	23.1	23.6	23.8	24.3	25.1
12H 4H	22.2	22.8	22.8	23.5	24.3	21.7	22.4	22.4	23.1	23.8
6H	22.9	23.4	23.6	24.1	24.9	22.5	23.1	23.2	23.7	24.5
8H	23.1	23.6	23.8	24.3	25.1	22.9	23.4	23.6	24.1	24.9
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, 不加防眩膜)

**UTILIZATION FACTORS TABLE**

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.5lx1 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)	

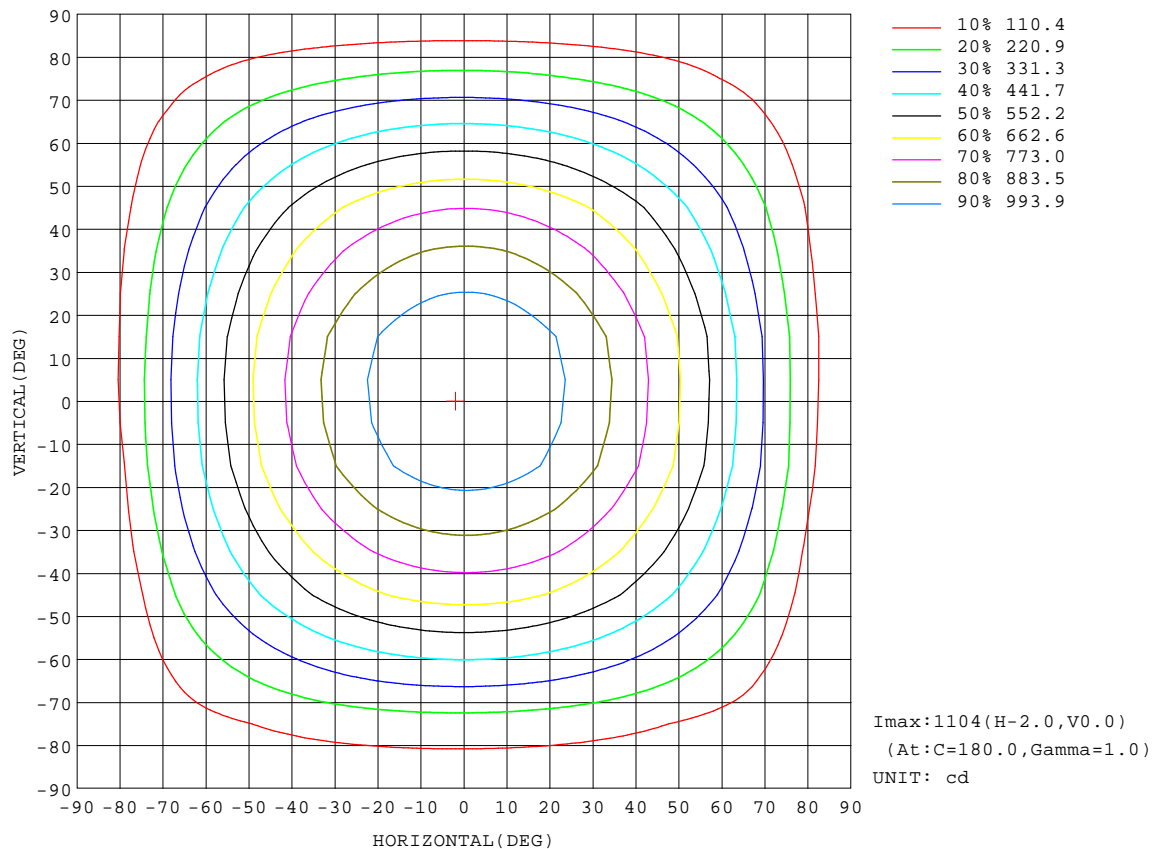
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	52	42	35	50	40	34	28
0.80	63	52	44	62	51	44	59	49	43	35
1.00	72	60	53	70	59	52	66	59	51	42
1.25	79	68	61	76	67	60	72	64	58	49
1.50	84	74	66	81	72	65	77	69	63	53
2.00	91	82	75	88	80	74	83	76	71	60
2.50	95	87	80	92	84	79	86	80	75	64
3.00	98	91	85	95	88	83	89	84	79	67
4.00	102	96	91	99	93	89	92	88	84	72
5.00	105	100	95	101	97	93	94	91	88	74
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, 不加防眩膜)**

## ISOCANDELA DIAGRAM

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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)	



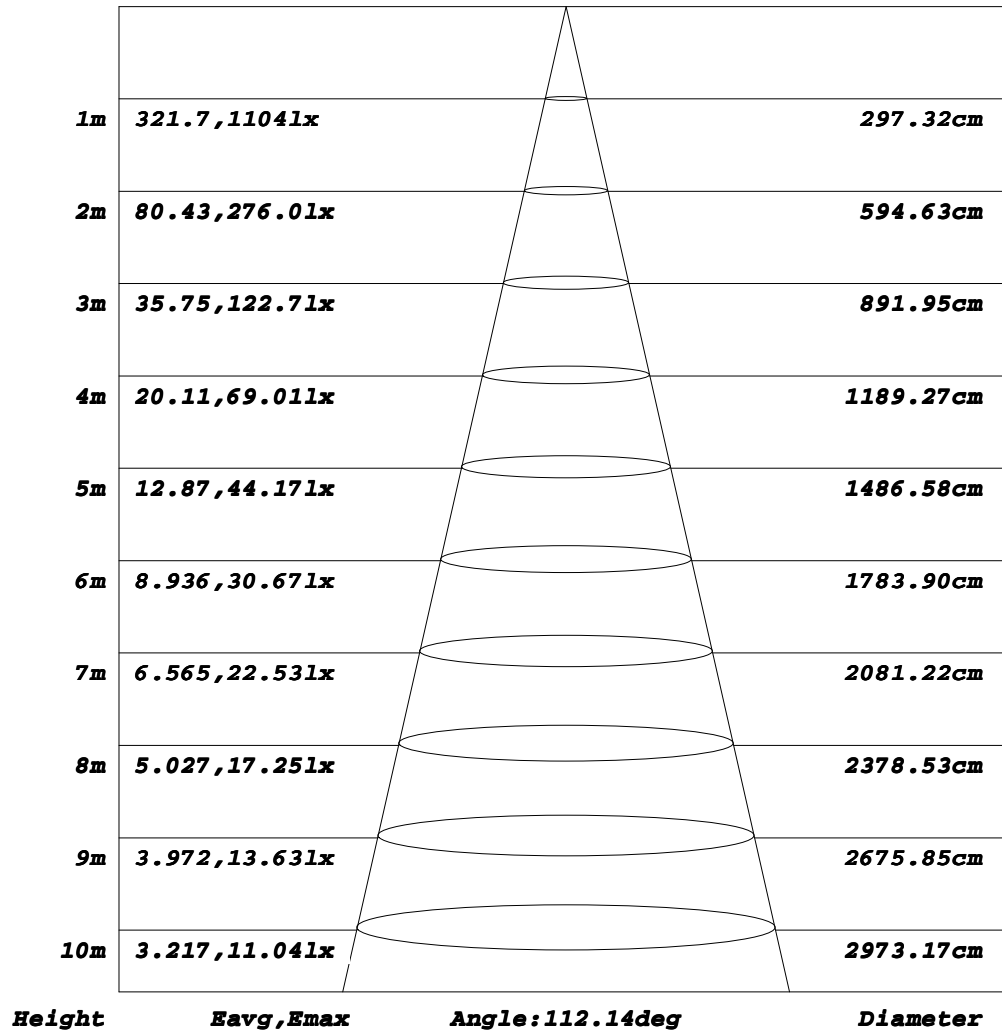
**$H(\beta)$  Range:-90 - 90DEG**  
 **$H(\beta)$  Interval: 1.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2023-10-21**

**$V(B)$  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, 不加防眩膜)**

## AAI Figure

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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:2307 lm



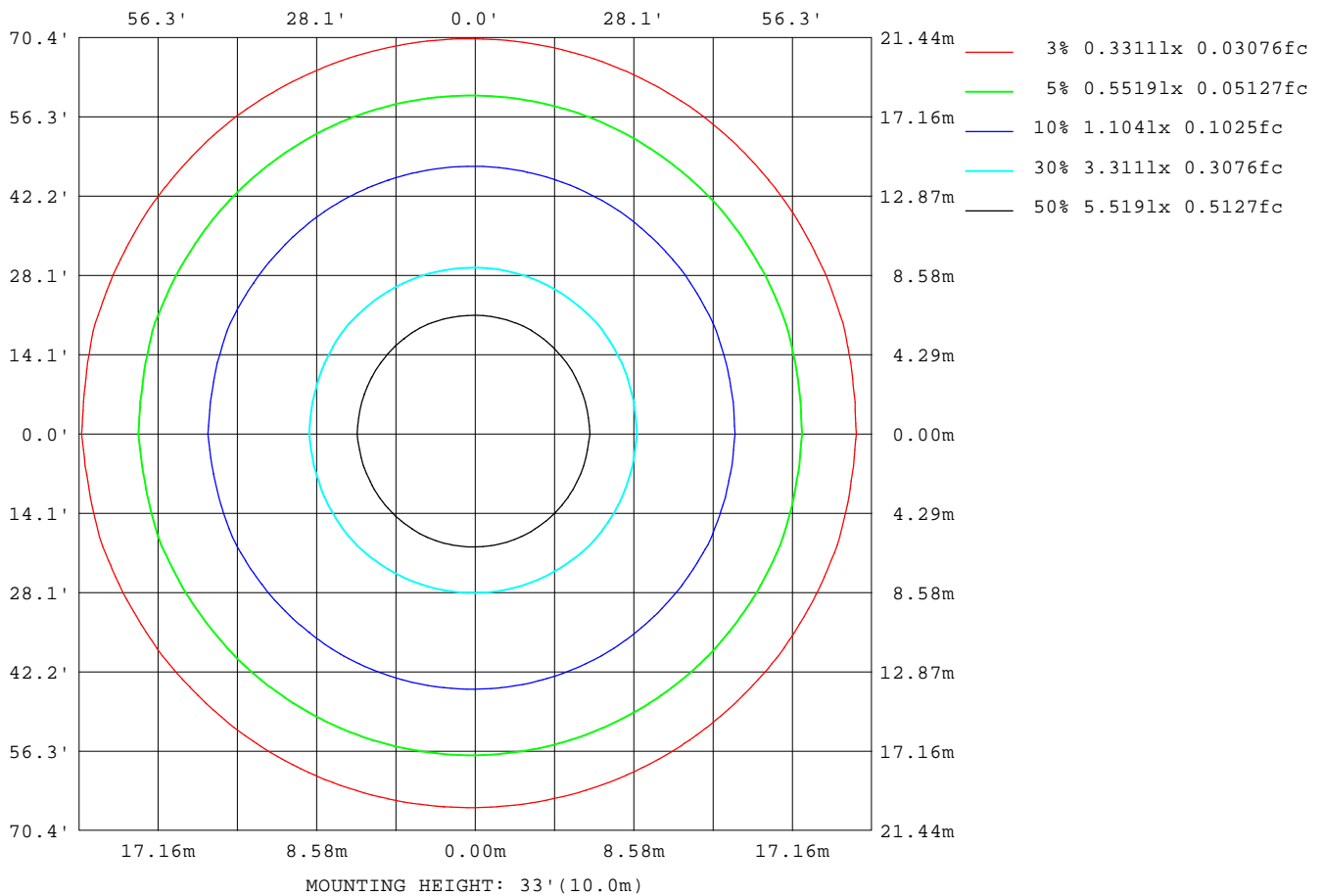
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

**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, 不加防眩膜)

## ISOLUX DIAGRAM

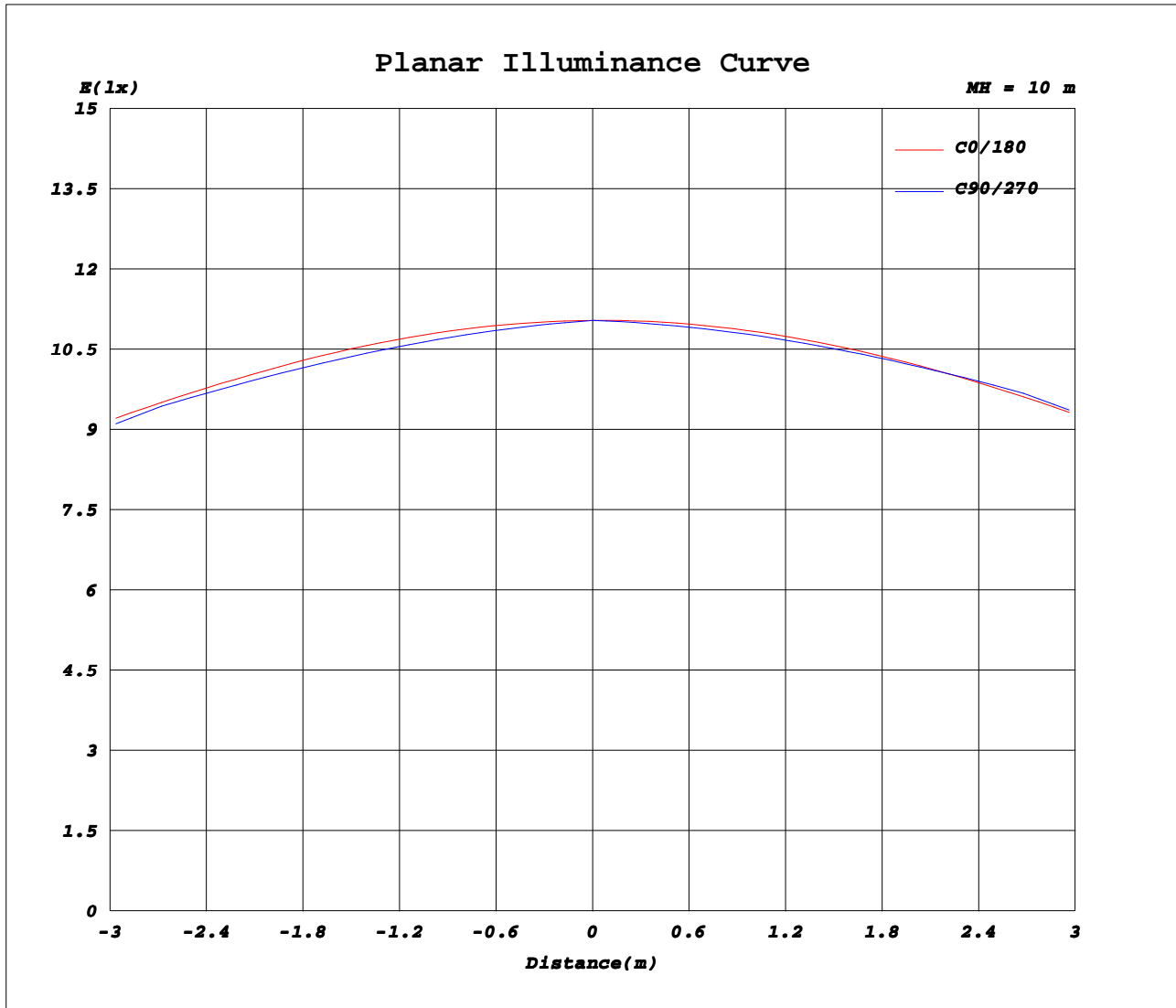
Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 lm		
Name: C400 32W 000 4000K(普通光效)	Type: 圆柱形	
MFR.:	DIM.: $\Phi 400 \times 60$ (mm)	
	SUR.: $\Phi 388$ (mm)	



**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, 不加防眩膜)

## 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, 不加防眩膜)

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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--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	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104
5	1097	1096	1095	1093	1092	1091	1090	1089	1089	1088	1087	1086	1086	1086	1086	1086	1085	1085	1085
10	1081	1078	1076	1074	1073	1072	1071	1069	1068	1067	1066	1065	1065	1065	1065	1065	1065	1066	1066
15	1055	1052	1050	1048	1046	1043	1041	1039	1038	1039	1041	1042	1043	1044	1045	1046	1047	1047	1047
20	1020	1017	1015	1013	1009	1006	1005	1007	1010	1013	1012	1008	1005	1003	1001	1000	1000	1000	1001
25	976	974	973	968	963	963	969	974	966	960	956	955	954	954	955	954	955	955	955
30	925	923	922	914	914	921	920	910	904	905	905	906	904	904	904	905	906	907	908
35	866	866	861	853	863	861	849	847	850	848	846	846	844	843	842	841	840	840	840
40	800	803	793	795	800	784	785	787	782	780	779	778	775	772	770	770	770	770	771
45	728	734	719	734	717	716	716	711	710	709	703	699	699	700	701	702	702	702	703
50	649	655	647	649	640	641	634	636	629	623	626	629	626	622	619	617	616	616	617
55	567	570	575	556	563	555	556	544	547	552	543	536	534	533	533	532	532	532	532
60	481	479	485	481	470	471	462	470	459	452	453	452	449	446	445	444	445	445	446
65	392	389	385	385	387	380	379	369	370	366	362	359	358	358	357	356	356	356	356
70	302	311	308	304	298	288	288	282	276	276	275	273	270	268	266	265	264	264	265
75	212	217	213	215	205	203	198	198	193	188	185	183	181	179	177	176	175	175	175
80	130	119	117	118	118	121	115	113	109	110	111	113	114	115	116	117	118	119	120
85	33.7	39.5	39.2	40.7	45.4	52.4	55.2	57.0	58.3	59.5	60.5	61.1	61.9	62.6	63.1	63.5	63.9	64.1	64.3
90	10.7	11.9	11.6	11.5	11.9	12.9	13.0	12.3	11.5	10.7	10.3	9.79	9.63	9.48	9.40	9.31	9.22	9.13	9.07
95	14.3	21.4	19.3	18.4	20.8	22.8	22.3	21.5	20.7	20.1	19.7	19.1	18.8	18.5	18.3	18.1	17.9	17.7	17.6
100	29.7	31.8	32.5	32.4	32.1	32.6	31.8	31.1	30.2	29.7	29.1	28.5	28.0	27.5	27.2	26.9	26.6	26.4	26.2
105	39.7	41.1	41.7	42.6	42.0	42.4	41.7	41.5	40.6	39.9	39.3	38.6	38.0	37.3	36.6	36.0	35.5	35.0	34.8
110	48.8	50.7	51.3	51.9	52.2	51.7	52.1	51.7	51.1	50.8	50.4	49.9	49.5	49.0	48.7	48.3	48.0	47.7	47.6
115	59.1	59.6	60.1	61.0	62.6	62.4	62.9	62.4	63.1	62.7	61.6	60.8	61.0	61.0	61.0	60.9	60.7	60.5	60.2
120	71.3	72.1	74.2	74.4	73.7	75.0	74.1	76.0	75.4	75.0	74.9	74.8	74.3	73.9	73.7	73.5	73.3	73.1	73.0
125	85.1	86.4	88.2	86.0	88.0	87.5	88.6	87.3	88.6	89.7	88.6	87.8	87.6	87.7	87.6	87.5	87.3	87.0	86.8
130	98.4	100	99.8	101	100	101	101	102	101	100	101	102	102	102	101	101	101	101	101
135	111	113	111	114	112	113	113	113	113	114	113	113	113	114	114	114	115	115	114
140	122	124	123	124	125	123	124	125	125	125	125	125	125	125	124	124	124	124	124
145	133	133	133	133	135	135	133	134	134	135	135	135	135	135	135	135	134	134	134
150	141	141	142	141	142	143	143	142	142	142	143	143	143	143	143	144	144	144	144
155	148	148	148	148	148	148	150	151	150	149	149	149	149	149	149	149	149	149	149
160	154	154	154	154	154	154	154	154	155	156	156	155	155	155	155	155	155	155	155
165	158	158	158	158	158	158	158	158	158	158	159	159	159	160	160	160	160	160	160
170	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
175	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	162	162
180	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164

H(β) Range:-90 - 90DEG

H(β) 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, 不加防眩膜)

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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

C( DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104
5	1085	1085	1086	1086	1086	1087	1087	1088	1089	1090	1091	1092	1093	1094	1096	1098	1099	1101	1100
10	1066	1067	1067	1067	1067	1068	1068	1068	1068	1069	1070	1071	1073	1075	1078	1081	1085	1089	1086
15	1047	1047	1046	1045	1045	1045	1044	1045	1045	1046	1046	1046	1046	1047	1050	1055	1060	1066	1062
20	1001	1002	1003	1004	1006	1008	1010	1012	1013	1013	1013	1015	1014	1013	1014	1019	1026	1034	1029
25	955	955	955	956	957	959	962	965	967	969	972	972	974	974	972	973	983	994	986
30	909	909	909	909	908	907	906	908	911	917	919	921	923	926	925	922	931	945	935
35	840	841	842	845	848	853	858	855	852	852	857	863	864	866	872	867	871	889	876
40	772	773	774	775	776	777	780	787	795	794	789	793	801	800	804	805	804	825	809
45	702	703	703	704	705	708	710	710	710	719	730	721	722	730	729	739	730	755	736
50	618	620	622	624	626	629	631	634	639	637	638	653	647	651	654	660	655	678	661
55	532	533	535	537	540	544	548	551	553	556	561	558	573	565	577	573	577	597	583
60	447	449	450	452	453	454	456	461	467	469	471	479	475	491	480	487	495	509	501
65	356	358	359	362	365	368	373	374	374	377	386	387	391	389	404	406	409	419	416
70	266	268	270	272	275	277	280	282	287	293	293	294	304	303	301	304	311	328	317
75	176	177	179	182	185	189	193	197	200	202	204	211	213	216	210	217	222	239	230
80	120	120	121	121	121	120	119	118	117	116	122	128	129	126	115	103	108	152	140
85	64.5	64.5	64.6	64.6	64.5	64.3	64.1	63.7	63.6	62.9	62.3	61.5	57.4	48.4	47.6	41.1	29.5	39.9	43.1
90	9.02	8.98	8.99	9.03	9.09	9.09	9.15	9.36	9.93	9.94	10.3	10.8	10.6	11.0	11.4	11.6	11.7	9.16	10.2
95	17.5	17.4	17.5	17.6	17.7	17.8	18.0	18.1	18.5	18.6	18.8	19.1	18.9	17.1	17.0	17.8	18.1	15.0	13.7
100	26.1	25.9	26.0	26.2	26.4	26.6	26.8	26.8	27.0	27.2	27.7	28.2	28.2	28.8	28.7	28.6	29.0	29.8	19.8
105	34.6	34.5	34.9	35.3	35.8	36.3	36.8	37.2	37.5	37.7	37.6	38.3	38.2	38.3	38.0	38.3	38.0	39.6	35.7
110	47.4	47.2	47.3	47.3	47.3	47.4	47.6	47.7	48.2	48.9	48.3	47.7	48.1	47.5	46.7	46.2	45.9	48.2	45.5
115	59.9	59.7	59.5	59.3	59.0	58.9	59.2	59.4	59.3	59.0	59.2	58.3	58.2	57.1	57.9	57.1	56.5	58.4	57.0
120	72.8	72.6	72.4	72.1	71.7	71.4	71.3	71.8	72.1	71.1	69.8	70.6	69.3	70.4	67.7	67.5	67.6	70.8	68.6
125	86.5	86.2	86.0	85.8	85.6	85.6	85.6	85.0	84.1	83.9	83.8	82.3	84.0	81.6	82.7	80.8	80.3	84.7	81.4
130	101	100	100	99.9	99.5	99.0	98.5	98.1	98.1	96.9	96.0	97.5	95.5	95.2	94.8	94.7	93.0	98.5	94.6
135	114	114	113	113	112	112	111	110	109	110	111	109	108	108	107	108	105	112	108
140	124	124	124	123	123	122	122	123	123	122	120	120	121	120	120	119	118	124	120
145	134	134	134	133	134	134	135	133	132	131	131	131	131	131	131	129	129	135	132
150	144	143	143	143	142	141	141	140	140	140	140	140	139	139	139	138	138	144	141
155	149	149	148	148	148	148	148	148	148	147	147	147	147	146	145	145	146	151	149
160	154	154	154	154	154	154	154	154	154	153	153	153	152	151	151	151	152	157	156
165	160	159	159	159	159	158	158	158	158	157	157	157	156	156	156	157	157	162	161
170	161	161	161	161	161	161	160	160	160	160	160	160	160	160	160	160	161	166	165
175	162	162	162	162	162	162	162	162	162	162	162	162	163	163	163	163	163	168	167
180	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	168	168

**H(β) Range:-90 - 90DEG****H(β) 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, 不加防眩膜)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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--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	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104
5	1099	1098	1098	1097	1096	1096	1095	1095	1095	1095	1094	1094	1094	1094	1094	1094	1094	1094	1094
10	1084	1083	1081	1080	1080	1080	1081	1081	1082	1082	1083	1084	1084	1084	1084	1084	1084	1083	1083
15	1059	1057	1056	1057	1059	1061	1063	1064	1065	1067	1068	1069	1071	1072	1073	1074	1074	1074	1073
20	1024	1022	1025	1029	1032	1033	1035	1038	1039	1039	1038	1038	1037	1037	1037	1036	1035	1035	1034
25	981	984	989	992	993	996	996	997	998	997	996	996	996	996	997	997	997	997	997
30	931	938	943	943	945	947	949	947	946	947	951	954	956	958	959	959	959	957	956
35	877	887	885	887	891	889	887	892	899	905	903	900	898	897	896	896	896	896	896
40	816	820	821	827	824	824	834	839	834	831	831	833	834	835	835	834	833	832	831
45	751	746	753	751	755	770	763	757	761	765	767	767	768	769	770	771	771	770	769
50	673	673	675	678	690	680	684	690	689	690	691	692	692	691	691	690	689	687	687
55	586	598	591	606	595	605	605	606	608	610	609	608	608	607	607	607	607	606	606
60	501	500	519	509	519	516	520	523	520	519	522	524	526	526	526	526	525	523	521
65	420	426	416	425	427	432	428	431	436	439	437	436	435	435	434	434	433	433	432
70	317	322	330	338	334	339	346	343	342	343	344	344	345	344	344	343	342	341	340
75	235	236	243	246	250	247	251	253	254	254	253	253	253	252	252	252	251	250	250
80	142	149	156	158	163	162	161	163	165	168	169	170	171	172	172	172	171	170	169
85	58.2	65.8	68.7	80.3	84.5	85.8	86.5	87.2	87.5	88.2	89.0	89.8	90.6	91.1	91.3	91.5	91.4	91.1	90.7
90	11.5	12.6	13.2	13.5	13.7	12.5	10.9	10.4	9.61	9.49	9.86	10.4	10.9	11.2	11.4	11.5	11.6	11.6	11.7
95	13.4	13.4	14.2	16.3	16.7	16.3	15.6	14.9	13.6	14.5	14.6	14.8	15.0	15.2	15.3	15.4	15.5	15.6	15.6
100	18.2	20.2	21.7	22.5	22.4	21.5	20.3	19.3	17.6	19.5	19.5	19.4	19.4	19.3	19.4	19.4	19.4	19.5	19.6
105	33.5	31.9	32.3	31.5	31.2	30.8	29.8	28.4	27.4	27.6	26.6	25.6	24.8	24.1	23.7	23.4	23.3	23.5	23.9
110	44.0	41.8	43.1	42.3	40.6	41.0	40.1	39.6	38.6	38.2	37.5	36.8	36.2	35.8	35.5	35.4	35.4	35.5	35.8
115	56.3	56.0	53.6	52.5	52.4	52.2	51.3	51.1	50.4	49.5	48.7	48.1	47.6	47.3	47.2	47.2	47.4	47.6	47.9
120	67.4	66.4	67.7	65.1	65.5	63.4	63.7	64.0	63.1	62.0	61.3	60.6	60.1	59.7	59.4	59.4	59.5	59.6	59.9
125	80.8	81.5	79.2	80.4	77.9	78.1	77.1	76.4	76.5	76.3	75.6	74.9	74.4	74.1	74.0	74.0	74.2	74.5	74.9
130	95.6	94.6	93.9	93.2	94.1	91.4	91.1	91.2	90.2	89.6	89.4	89.3	89.1	89.0	89.0	89.0	89.1	89.2	89.5
135	109	108	108	106	106	107	105	104	103	104	103	103	103	103	103	104	104	104	104
140	121	120	120	120	118	117	118	118	117	116	116	116	116	116	116	116	116	116	116
145	131	132	131	130	130	129	128	128	129	130	129	128	128	127	127	127	128	128	128
150	140	140	141	140	140	139	139	138	138	138	138	138	139	139	139	139	139	139	139
155	148	148	148	148	148	148	147	147	147	146	146	146	146	146	146	146	146	146	147
160	155	154	154	154	154	154	154	154	154	154	154	153	153	153	153	153	153	153	153
165	160	160	159	159	159	159	159	159	159	159	159	159	159	159	160	160	160	160	160
170	164	164	164	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163	163
175	167	167	167	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
180	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168

**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, 不加防眩膜)**

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1400A P:30.400W PF:0.9780 Freq:50.00Hz Lamp Flux:3659.51x1 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	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104	1104				
5	1094	1094	1094	1094	1094	1094	1094	1094	1095	1095	1095	1095	1096	1096	1097				
10	1083	1082	1081	1081	1080	1080	1079	1079	1079	1080	1080	1079	1079	1079	1080				
15	1072	1071	1069	1067	1064	1061	1058	1056	1055	1054	1054	1055	1055	1054	1054				
20	1034	1034	1035	1036	1037	1039	1038	1032	1027	1021	1020	1020	1022	1021	1020				
25	996	994	993	991	989	988	990	993	998	990	981	977	979	981	978				
30	953	951	949	947	946	943	939	935	938	945	942	930	926	930	928				
35	895	894	894	893	892	889	887	885	879	876	885	882	867	870	871				
40	830	828	828	828	828	825	823	821	821	815	809	820	811	803	808				
45	767	764	760	756	752	753	755	751	748	748	743	738	750	729	740				
50	686	686	686	688	687	679	671	673	676	668	669	663	666	659	660				
55	604	602	600	597	596	599	603	595	585	592	584	587	574	587	576				
60	519	517	516	514	514	510	505	507	513	497	501	494	499	497	484				
65	431	429	427	425	422	420	420	418	411	415	410	411	402	396	394				
70	338	337	336	335	334	333	328	323	323	323	316	321	321	319	317				
75	248	247	246	244	242	239	237	237	237	231	230	227	232	226	223				
80	168	166	164	162	160	157	154	152	149	145	146	142	144	146	141				
85	90.1	89.2	87.9	86.4	84.9	83.0	80.9	78.7	76.0	72.7	69.8	63.2	53.6	51.9	56.5				
90	11.6	11.4	10.9	10.6	10.2	9.94	9.78	10.2	10.7	11.4	11.3	11.1	10.4	10.2	10.5				
95	15.7	15.7	15.5	15.5	15.4	15.4	15.5	16.0	16.6	17.1	17.3	14.4	13.8	14.2	15.3				
100	19.7	19.8	20.0	20.2	20.5	20.8	21.3	22.2	23.7	24.8	26.3	25.0	24.2	23.5	25.0				
105	24.5	25.3	26.3	27.5	28.7	29.9	31.2	32.7	34.2	35.0	36.4	36.8	38.1	37.9	39.8				
110	36.3	36.9	37.8	38.9	40.0	41.2	42.3	43.2	44.7	45.9	46.5	48.2	49.2	50.0	51.0				
115	48.2	48.7	49.3	50.1	51.0	52.7	54.3	55.4	55.7	57.2	57.8	59.2	59.3	59.6	60.3				
120	60.4	61.2	62.3	63.6	64.9	66.0	66.7	67.8	69.3	69.0	71.1	70.7	72.8	74.0	73.0				
125	75.3	75.9	76.6	77.4	78.4	79.8	81.3	81.4	81.5	84.0	84.2	86.0	85.2	88.7	87.7				
130	89.9	90.6	91.4	92.4	93.2	93.2	93.3	94.8	96.5	96.8	98.3	98.7	101	100	102				
135	104	105	105	105	105	106	108	108	109	110	111	111	114	112	115				
140	116	117	117	118	119	119	120	121	122	122	122	125	124	124	126				
145	129	129	129	130	131	131	131	132	132	132	135	135	134	135	136				
150	139	139	139	140	140	140	140	140	141	143	144	143	143	144	144				
155	147	147	147	147	147	148	149	150	151	150	150	150	150	151	151				
160	154	154	154	155	155	156	156	156	156	155	156	156	157	157	157				
165	160	160	160	160	160	160	160	160	160	160	161	161	161	162	162				
170	163	163	163	163	163	163	163	164	164	164	164	165	165	165	165				
175	166	166	166	166	166	166	166	166	166	167	167	167	167	167	168				
180	168	168	168	168	168	168	168	168	168	168	168	168	168	168	168				

**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, 不加防眩膜)**