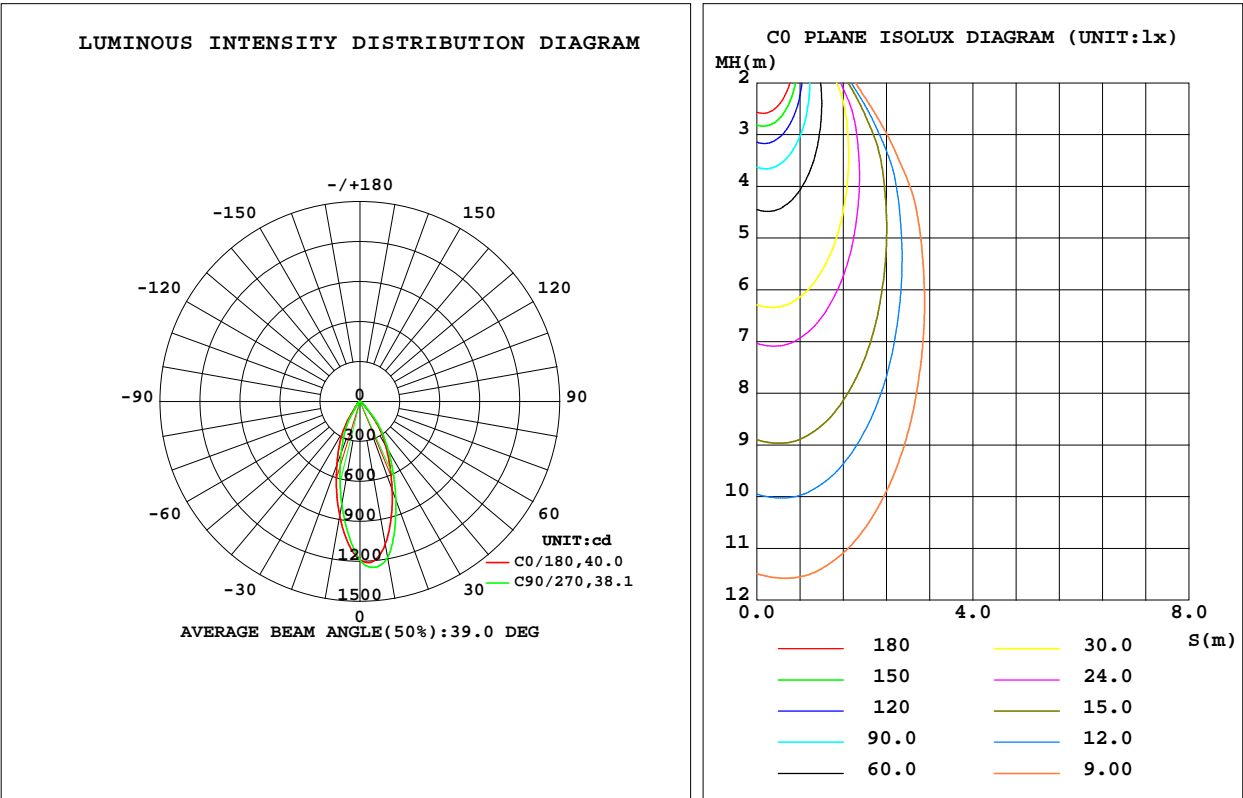


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA      Eff: 89.75 lm/W			
MODEL	3000K	I <sub>max</sub> (cd)	1259	S/MH(C0/180)	0.56
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.48
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	718.74	h UP,DN(C0-180)	0.0,60.6
NOMINAL FLUX(lm)	718.744	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,39.4
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	0.70



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

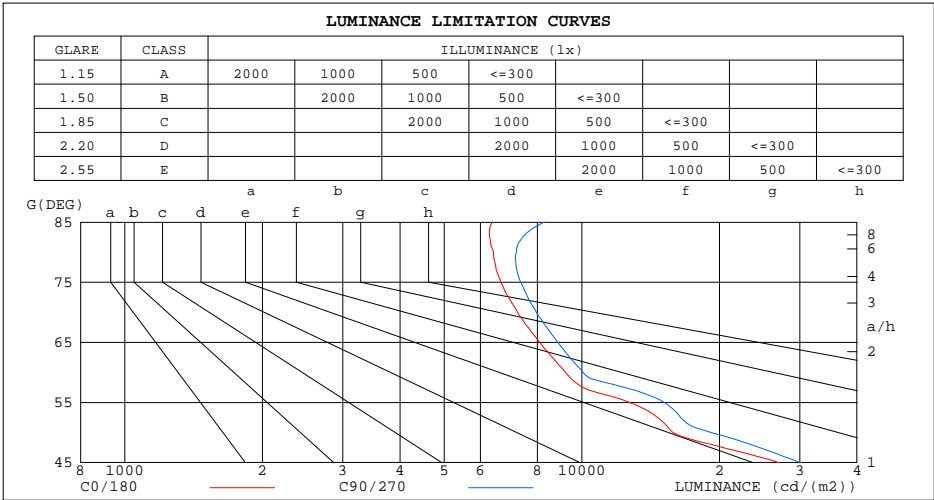
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1202	1254	1249	1162	1062	1008	1002	1069	0- 5	27.61	27.61	3.84,3.84
10	1090	1192	1190	1044	875.1	792.0	786.1	888.8	5- 10	75.14	102.8	14.3,14.3
15	907.0	1009	1005	856.6	683.3	593.8	584.8	693.3	10- 15	104.6	207.3	28.8,28.8
20	708.5	794.9	790.9	662.3	511.5	428.6	417.1	514.5	15- 20	113.8	321.1	44.7,44.7
25	533.9	597.8	592.3	491.2	372.8	303.7	292.3	372.8	20- 25	108.5	429.6	59.8,59.8
30	389.9	437.5	430.1	346.7	249.9	192.1	182.7	252.0	25- 30	94.55	524.2	72.9,72.9
35	274.2	312.3	300.0	217.1	124.6	76.03	74.41	143.1	30- 35	72.12	596.3	83,83
40	140.6	178.8	177.4	119.8	56.17	36.89	44.75	79.28	35- 40	48.04	644.3	89.6,89.6
45	63.47	72.85	70.83	52.33	32.59	26.79	29.97	42.20	40- 45	25.99	670.3	93.3,93.3
50	33.75	40.65	40.97	32.16	21.86	17.27	17.15	22.79	45- 50	15.36	685.7	95.4,95.4
55	24.23	28.93	28.84	21.94	14.26	11.78	12.58	16.74	50- 55	10.21	695.9	96.8,96.8
60	15.28	16.95	16.71	13.77	10.49	9.059	9.164	11.29	55- 60	7.365	703.3	97.8,97.8
65	11.35	12.64	12.43	10.11	7.522	6.396	6.491	8.186	60- 65	5.352	708.6	98.6,98.6
70	8.207	9.209	9.026	7.166	5.104	4.217	4.307	5.670	65- 70	4.012	712.6	99.1,99.1
75	5.712	6.479	6.310	4.815	3.169	2.473	2.564	3.669	70- 75	2.850	715.5	99.5,99.5
80	3.690	4.286	4.139	2.935	1.618	1.075	1.162	2.053	75- 80	1.853	717.3	99.8,99.8
85	1.840	2.441	2.395	1.435	0.3654	0	0.0509	0.6827	80- 85	1.002	718.3	99.9,99.9
90	0.4469	0.9225	1.012	0.5567	0.0310	0	0.0310	0.1870	85- 90	0.4042	718.7	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		

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:will  
 Test Date:03 September 2024

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	G(270)	LUMINANCE
85	85	6367
80	80	6407
75	75	6654
70	70	7235
65	65	8101
60	60	9212
55	55	12739
50	50	15831
45	45	27064

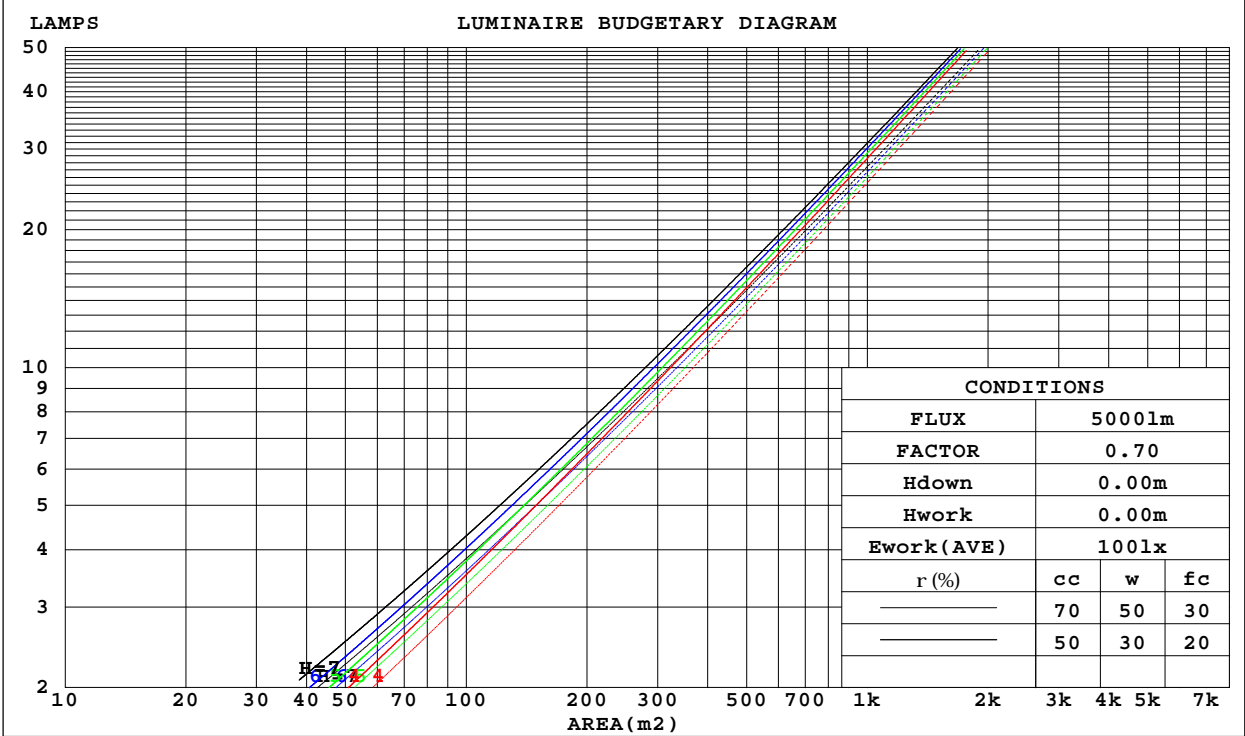
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## WEC AND CCEC

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0														
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
rfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.181	.103	.033	.174	.099	.032	.162	.093	.030	.150	.087	.028	.139	.081	.026															
2.0	.172	.094	.029	.167	.092	.028	.156	.087	.027	.146	.082	.026	.137	.078	.024															
3.0	.163	.087	.026	.158	.085	.026	.149	.081	.025	.141	.077	.024	.133	.074	.023															
4.0	.154	.080	.024	.150	.079	.023	.142	.076	.023	.135	.073	.022	.128	.070	.021															
5.0	.146	.075	.022	.143	.073	.021	.136	.071	.021	.130	.068	.020	.124	.066	.020															
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.124	.065	.019	.119	.063	.019															
7.0	.133	.066	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	.115	.060	.018															
8.0	.126	.062	.017	.124	.061	.017	.119	.060	.017	.115	.058	.017	.111	.057	.017															
9.0	.121	.058	.016	.119	.058	.016	.114	.057	.016	.110	.055	.016	.107	.054	.016															
10.0	.116	.055	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015															

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.171	.157	.145	.147	.135	.124	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.123	.098	.078	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.133	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.060	.107	.075	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm											
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: EVERFINE						SUR.:		Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	21.2	22.1	21.4	22.3	22.5	21.7	22.6	21.9	22.8	23.0	
	3H	21.3	22.1	21.5	22.3	22.5	21.7	22.6	22.0	22.8	23.0
	4H	21.3	22.1	21.6	22.3	22.6	21.8	22.6	22.0	22.8	23.0
	6H	21.3	22.1	21.6	22.3	22.6	21.8	22.6	22.1	22.8	23.0
	8H	21.3	22.0	21.6	22.3	22.6	21.8	22.5	22.1	22.8	23.1
	12H	21.3	22.0	21.6	22.3	22.6	21.8	22.5	22.1	22.8	23.1
4H	2H	21.1	21.9	21.4	22.1	22.4	21.6	22.4	21.8	22.6	22.8
	3H	21.2	22.0	21.6	22.2	22.5	21.7	22.4	22.0	22.7	22.9
	4H	21.3	22.0	21.7	22.3	22.6	21.8	22.4	22.1	22.7	23.0
	6H	21.4	22.0	21.8	22.3	22.7	21.9	22.4	22.2	22.8	23.1
	8H	21.4	22.0	21.8	22.3	22.7	21.9	22.4	22.3	22.8	23.2
	12H	21.5	21.9	21.9	22.3	22.7	21.9	22.4	22.4	22.8	23.2
8H	4H	21.3	21.8	21.7	22.2	22.6	21.7	22.3	22.1	22.6	23.0
	6H	21.5	21.9	21.9	22.3	22.7	21.9	22.3	22.3	22.7	23.1
	8H	21.5	21.9	22.0	22.3	22.8	22.0	22.4	22.4	22.8	23.2
	12H	21.6	21.9	22.1	22.4	22.8	22.1	22.4	22.5	22.8	23.3
12H	4H	21.3	21.8	21.7	22.1	22.5	21.7	22.2	22.1	22.6	22.9
	6H	21.4	21.8	21.9	22.3	22.7	21.9	22.3	22.3	22.7	23.1
	8H	21.5	21.9	22.0	22.3	22.8	22.0	22.3	22.5	22.8	23.2
Variations with the observer position at spacings:											
S = 1.0H	+ 2.0 / - 3.3					+ 2.1 / - 3.4					
1.5H	+ 3.6 / - 2.8					+ 3.9 / - 2.9					
2.0H	+ 2.4 / - 1.5					+ 2.4 / - 1.5					

CIE Pub.117, 718.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.1)  
Area: 0.00331663 m2

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

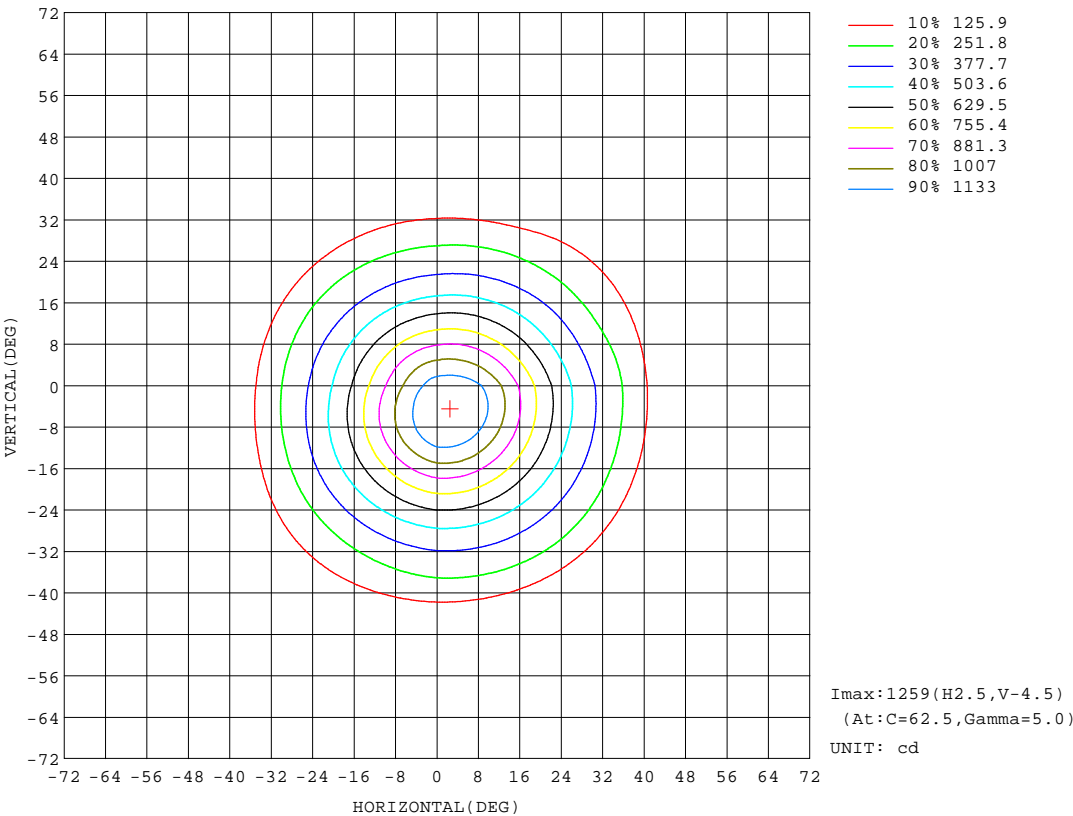
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	78	74	85	78	74	84	78	74	70
0.80	93	86	82	92	86	82	91	86	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	93	101	96	92	99	94	91	87
1.50	105	100	96	103	99	96	101	97	94	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	108	105	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: will  
 Test Date: 03 September 2024

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 8.989m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

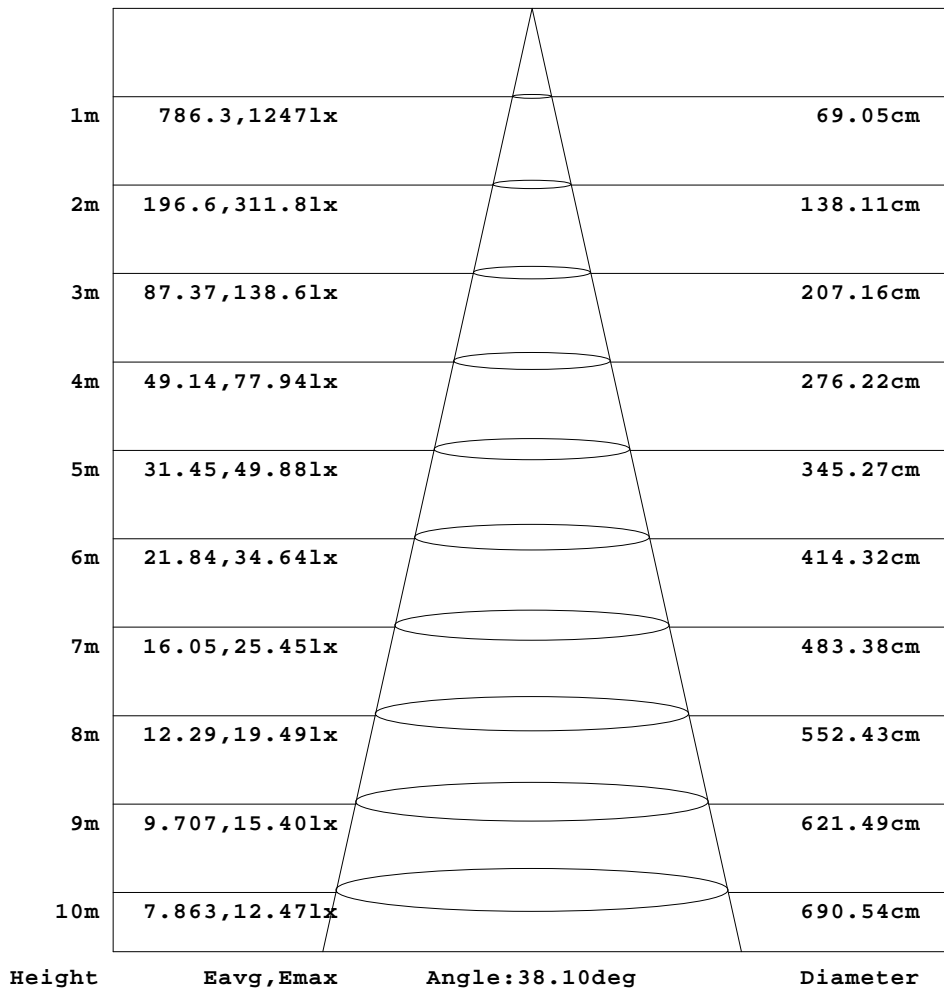
Range: 0 - 90DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:309.8 lm



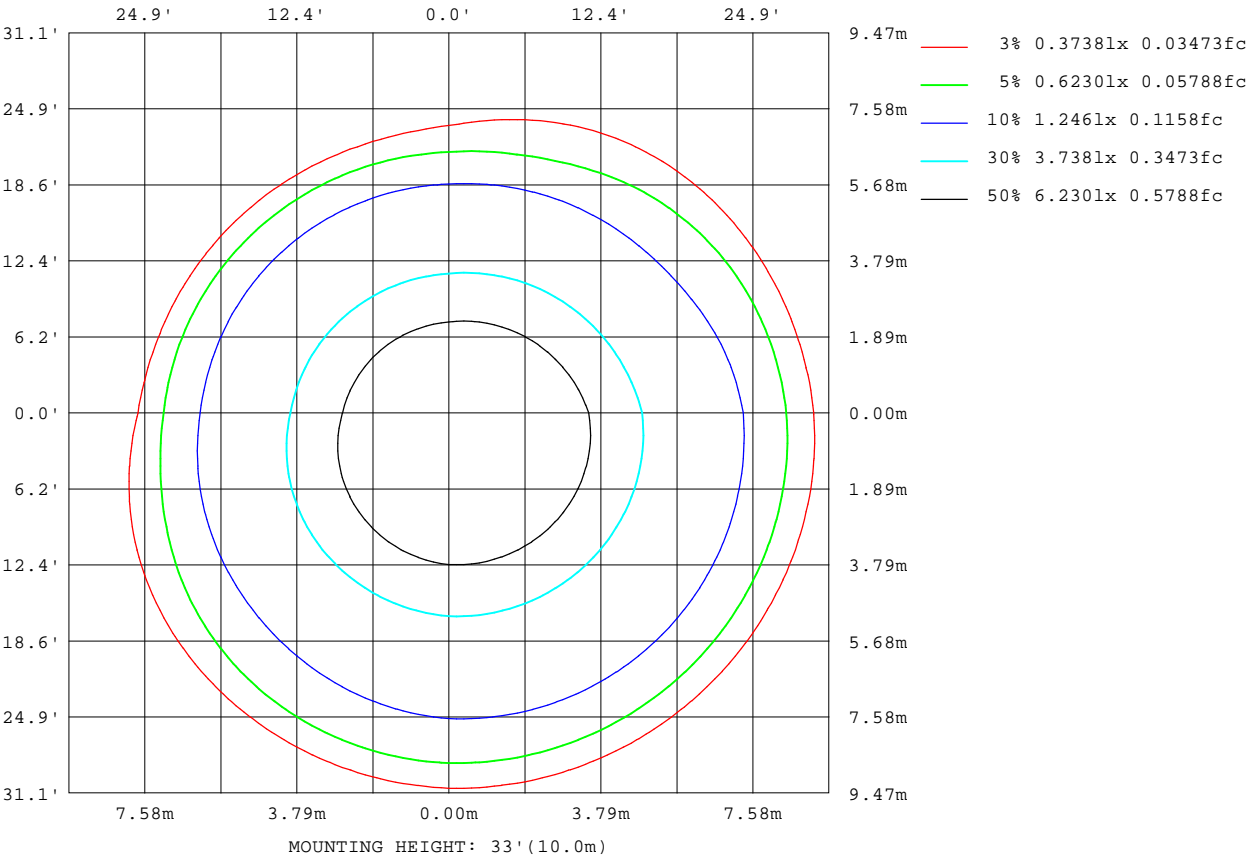
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 2.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:will  
 Test Date:03 September 2024

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:230.89V I:0.0373A P:8.0082W PF:0.9301 Freq:49.99Hz Lamp Flux:718.744x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

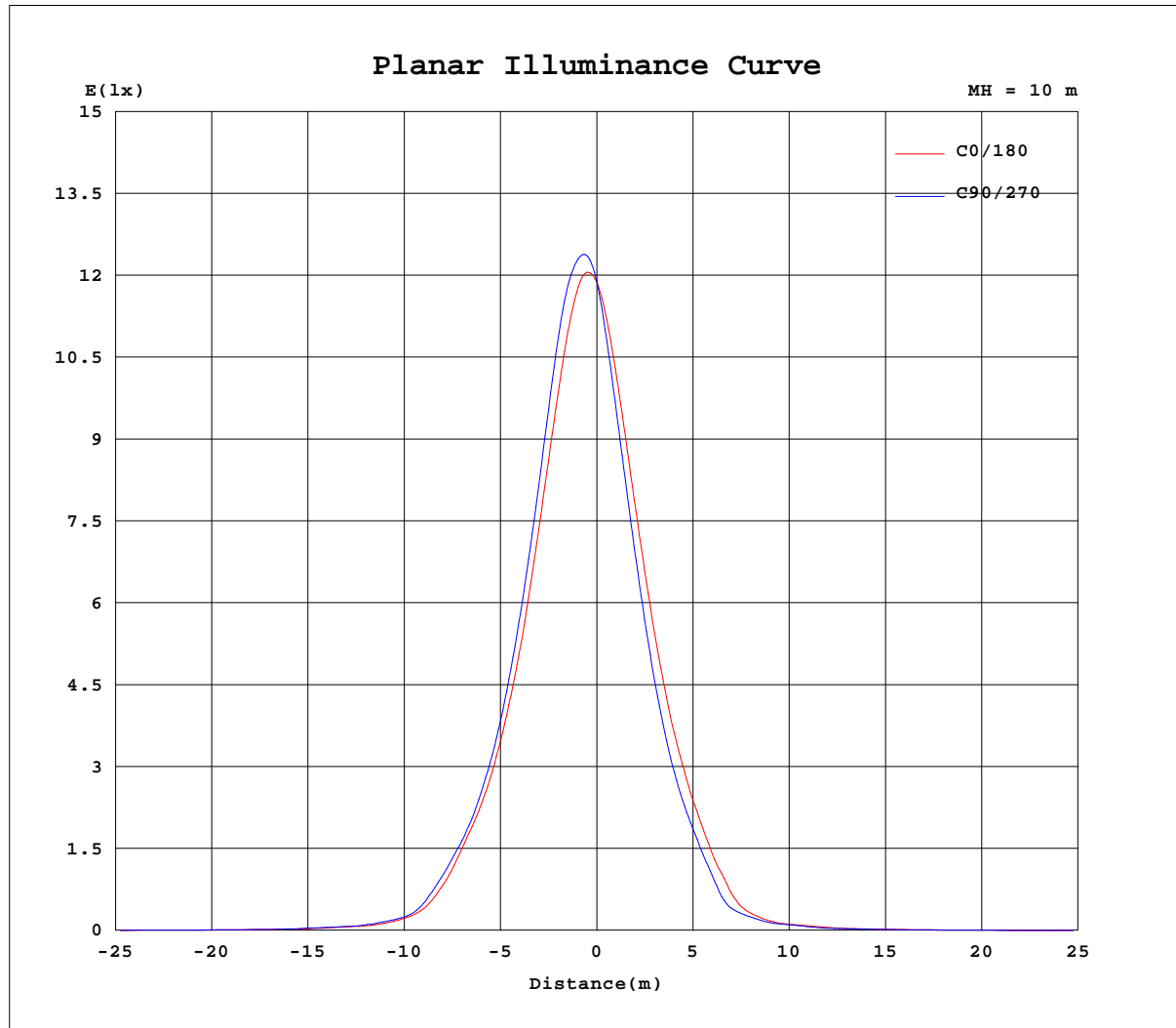
AvgL	cd/m2
L_0~180(65)av	6734
L_0~180(75)av	5173
L_0~180(85)av	3816
L_90~270(65)av	6748
L_90~270(75)av	5169
L_90~270(85)av	4232
L_45(65)av	6657
L_45(75)av	5078
L_45(85)av	3943

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: will  
Test Date: 03 September 2024

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 8.989m [K=1.0000]  
Remarks:

















