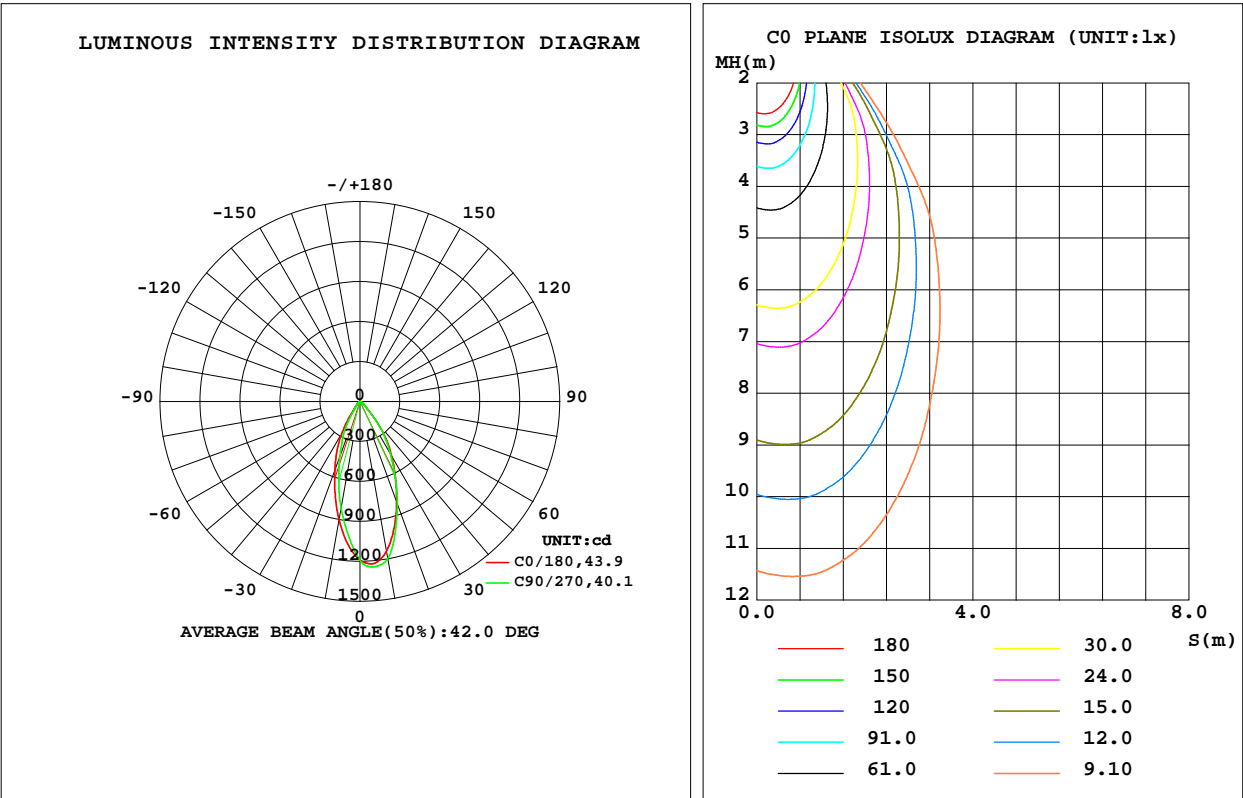


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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: 80.48 lm/W			
MODEL	2700K	I <sub>max</sub> (cd)	1259	S/MH(C0/180)	0.59
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	775.34	h UP,DN(C0-180)	0.0,60.2
NOMINAL FLUX(lm)	775.337	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,39.8
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	0.75



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:

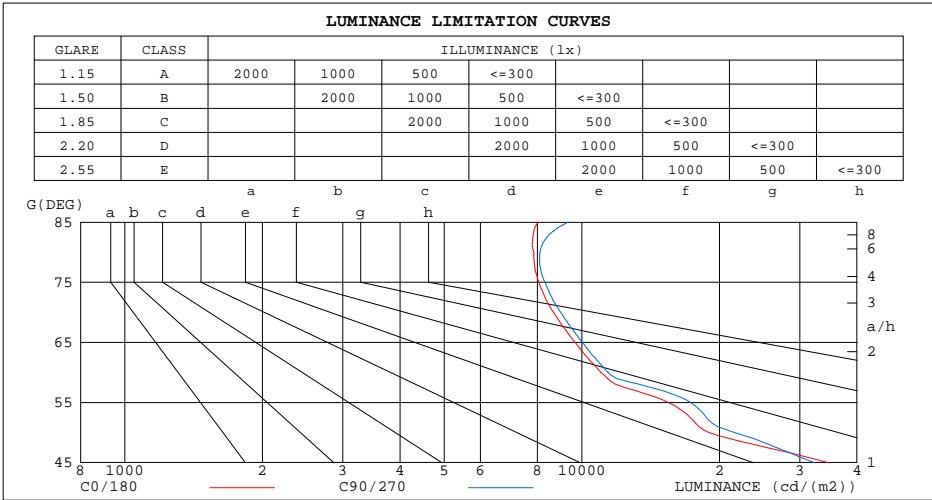
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1220	1257	1245	1164	1073	1017	1009	1080	0- 5	27.70	27.70	3.57,3.57
10	1143	1215	1199	1060	903.5	821.5	817.1	928.6	5- 10	76.44	104.1	13.4,13.4
15	988.7	1046	1021	880.6	723.1	630.1	620.3	745.6	10- 15	108.8	212.9	27.5,27.5
20	806.9	850.9	823.4	696.5	554.0	460.1	445.1	567.2	15- 20	120.8	333.8	43,43
25	633.1	657.0	628.2	526.0	412.2	329.4	313.6	421.1	20- 25	118.1	451.9	58.3,58.3
30	478.0	492.6	461.8	366.2	264.2	200.5	196.8	293.8	25- 30	104.6	556.4	71.8,71.8
35	345.3	356.7	324.0	226.9	126.4	73.10	77.89	172.1	30- 35	79.99	636.4	82.1,82.1
40	187.3	206.7	191.4	125.1	57.33	36.33	49.33	100.1	35- 40	54.31	690.7	89.1,89.1
45	81.18	82.81	75.74	55.38	35.50	29.21	33.87	51.41	40- 45	29.66	720.4	92.9,92.9
50	40.49	46.94	46.07	34.74	22.34	18.03	19.32	26.88	45- 50	17.33	737.7	95.1,95.1
55	29.45	33.77	32.91	24.59	15.66	12.87	14.15	19.70	50- 55	11.61	749.3	96.6,96.6
60	18.27	19.62	18.94	15.32	11.47	9.916	10.29	13.13	55- 60	8.454	757.8	97.7,97.7
65	13.55	14.61	14.06	11.19	8.149	6.942	7.261	9.510	60- 65	6.079	763.9	98.5,98.5
70	9.827	10.65	10.20	7.902	5.476	4.534	4.810	6.608	65- 70	4.550	768.4	99.1,99.1
75	6.910	7.522	7.129	5.273	3.330	2.602	2.856	4.317	70- 75	3.227	771.6	99.5,99.5
80	4.522	4.996	4.666	3.162	1.600	1.046	1.280	2.456	75- 80	2.098	773.7	99.8,99.8
85	2.325	2.867	2.700	1.502	0.2350	0	0.0509	0.8808	80- 85	1.134	774.9	99.9,99.9
90	0.6269	1.088	1.142	0.6188	0.0310	0	0.0310	0.2545	85- 90	0.4754	775.3	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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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(DEG)	C0/180	C90/270
85	8044	9339
80	7852	8102
75	8050	8305
70	8663	8991
65	9670	10031
60	11017	11423
55	15480	17299
50	18991	21609
45	34616	32294

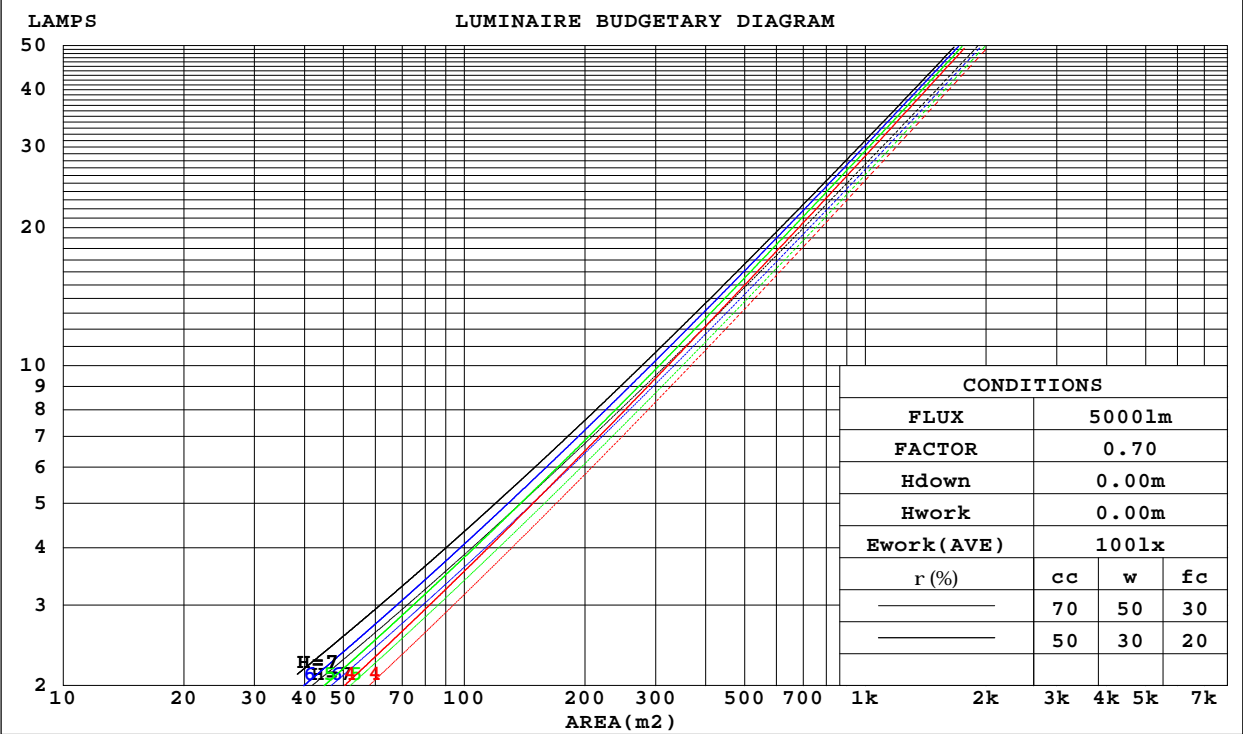
C Range: 0 - 360DEG  
C Interval: 2.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:will  
Test Date:03 September 2024

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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.90	.84	.80	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.74	.83	.78	.73	.81	.76	.73	.80	.75	.72	.78	.74	.72	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.64	.74	.68	.64	.73	.68	.64	.71	.67	.64	.70	.66	.63	.62
8.0	.70	.65	.60	.70	.64	.60	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
9.0	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.64	.59	.56	.55
10.0	.63	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.61	.56	.53	.52



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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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	.183	.104	.033	.176	.101	.032	.164	.094	.030	.152	.088	.028	.142	.082	.026															
2.0	.174	.096	.029	.169	.093	.029	.158	.088	.027	.148	.083	.026	.139	.079	.025															
3.0	.165	.088	.026	.160	.086	.026	.151	.082	.025	.143	.078	.024	.135	.075	.023															
4.0	.157	.081	.024	.152	.080	.024	.145	.077	.023	.137	.074	.022	.130	.071	.022															
5.0	.148	.076	.022	.145	.074	.022	.138	.072	.021	.132	.069	.021	.126	.067	.020															
6.0	.141	.071	.020	.138	.070	.020	.132	.068	.020	.126	.066	.019	.121	.064	.019															
7.0	.134	.066	.019	.132	.066	.019	.126	.064	.018	.121	.062	.018	.117	.061	.018															
8.0	.128	.063	.018	.126	.062	.017	.121	.060	.017	.117	.059	.017	.112	.058	.017															
9.0	.122	.059	.017	.120	.059	.016	.116	.057	.016	.112	.056	.016	.108	.055	.016															
10.0	.117	.056	.016	.115	.056	.016	.111	.055	.015	.108	.054	.015	.104	.053	.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	.172	.157	.144	.147	.135	.124	.100	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.059	.108	.076	.052	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.050	.101	.068	.043	.070	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.096	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.105	.064	.036	.091	.056	.031	.063	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.100	.059	.031	.086	.051	.027	.060	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.055	.027	.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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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	2H	22.2	23.2	22.5	23.4	23.5	22.2	23.1	22.4	23.3	23.5
	3H	22.3	23.2	22.5	23.4	23.6	22.2	23.1	22.5	23.3	23.5
	4H	22.3	23.1	22.6	23.4	23.6	22.3	23.1	22.5	23.3	23.5
	6H	22.3	23.1	22.6	23.4	23.6	22.3	23.1	22.6	23.3	23.6
	8H	22.3	23.1	22.6	23.3	23.6	22.3	23.0	22.6	23.3	23.6
	12H	22.3	23.0	22.6	23.3	23.6	22.3	23.0	22.6	23.3	23.6
4H	2H	22.1	23.0	22.4	23.2	23.4	22.1	22.9	22.3	23.1	23.3
	3H	22.2	23.0	22.6	23.2	23.5	22.2	22.9	22.5	23.2	23.5
	4H	22.3	23.0	22.7	23.3	23.6	22.3	22.9	22.6	23.2	23.6
	6H	22.4	23.0	22.8	23.3	23.7	22.4	23.0	22.8	23.3	23.6
	8H	22.5	23.0	22.8	23.3	23.7	22.4	23.0	22.8	23.3	23.7
	12H	22.5	23.0	22.9	23.3	23.7	22.5	23.0	22.9	23.3	23.7
8H	4H	22.3	22.8	22.7	23.2	23.6	22.3	22.8	22.7	23.1	23.5
	6H	22.5	22.9	22.9	23.3	23.7	22.4	22.9	22.9	23.3	23.7
	8H	22.5	22.9	23.0	23.3	23.8	22.5	22.9	23.0	23.3	23.8
	12H	22.6	22.9	23.1	23.4	23.8	22.6	22.9	23.1	23.4	23.9
12H	4H	22.3	22.8	22.7	23.1	23.5	22.2	22.7	22.6	23.1	23.5
	6H	22.4	22.8	22.9	23.2	23.7	22.4	22.8	22.9	23.2	23.7
	8H	22.5	22.9	23.0	23.3	23.8	22.5	22.9	23.0	23.3	23.8
Variations with the observer position at spacings:											
S = 1.0H		+ 2.1 / - 3.4					+ 2.0 / - 3.2				
1.5H		+ 3.9 / - 3.0					+ 3.7 / - 2.8				
2.0H		+ 2.5 / - 1.5					+ 2.2 / - 1.5				

CIE Pub.117, 775.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.9)  
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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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:

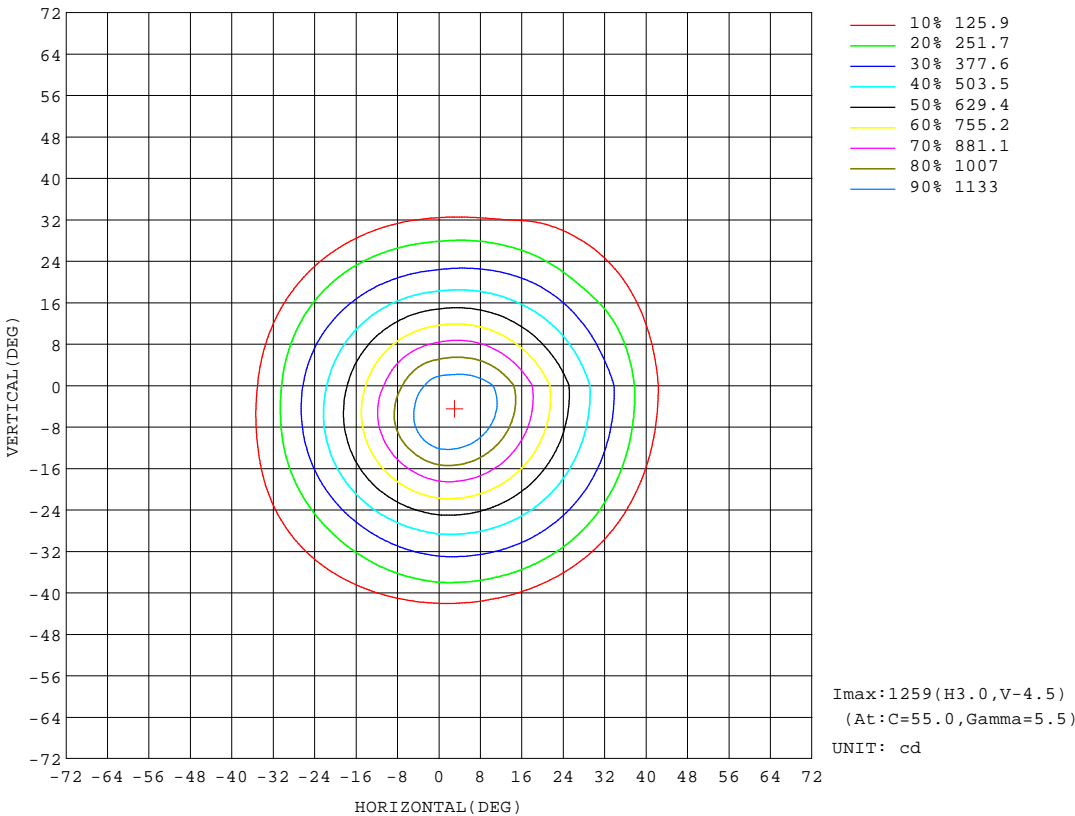
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	91	85	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	102	96	92	101	95	92	99	94	91	87
1.50	104	99	96	103	99	95	101	97	94	89
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	106	107	105	104	96
5.00	115	112	110	112	110	108	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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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

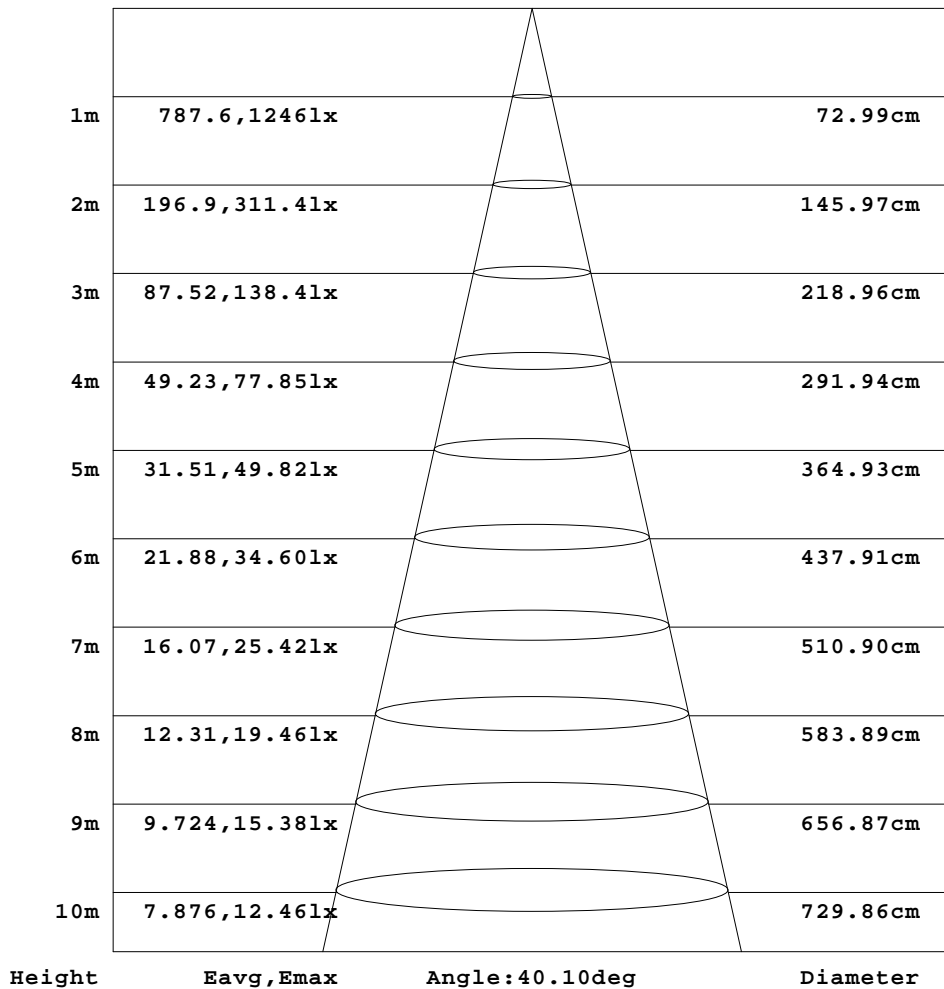
Range: 0 - 90DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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:345.9 lm



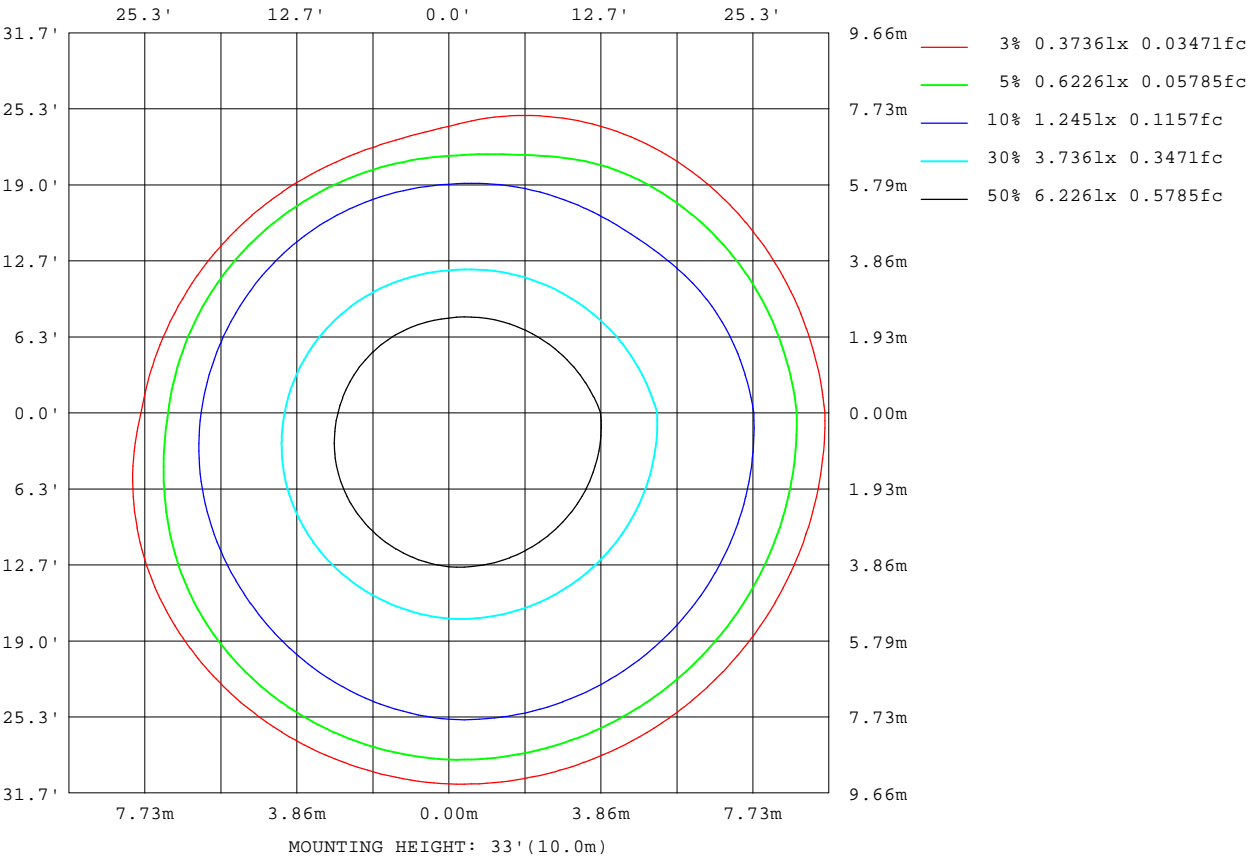
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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:230.85V I:0.0441A P:9.6335W PF:0.9456 Freq:49.99Hz Lamp Flux:775.337x1 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:

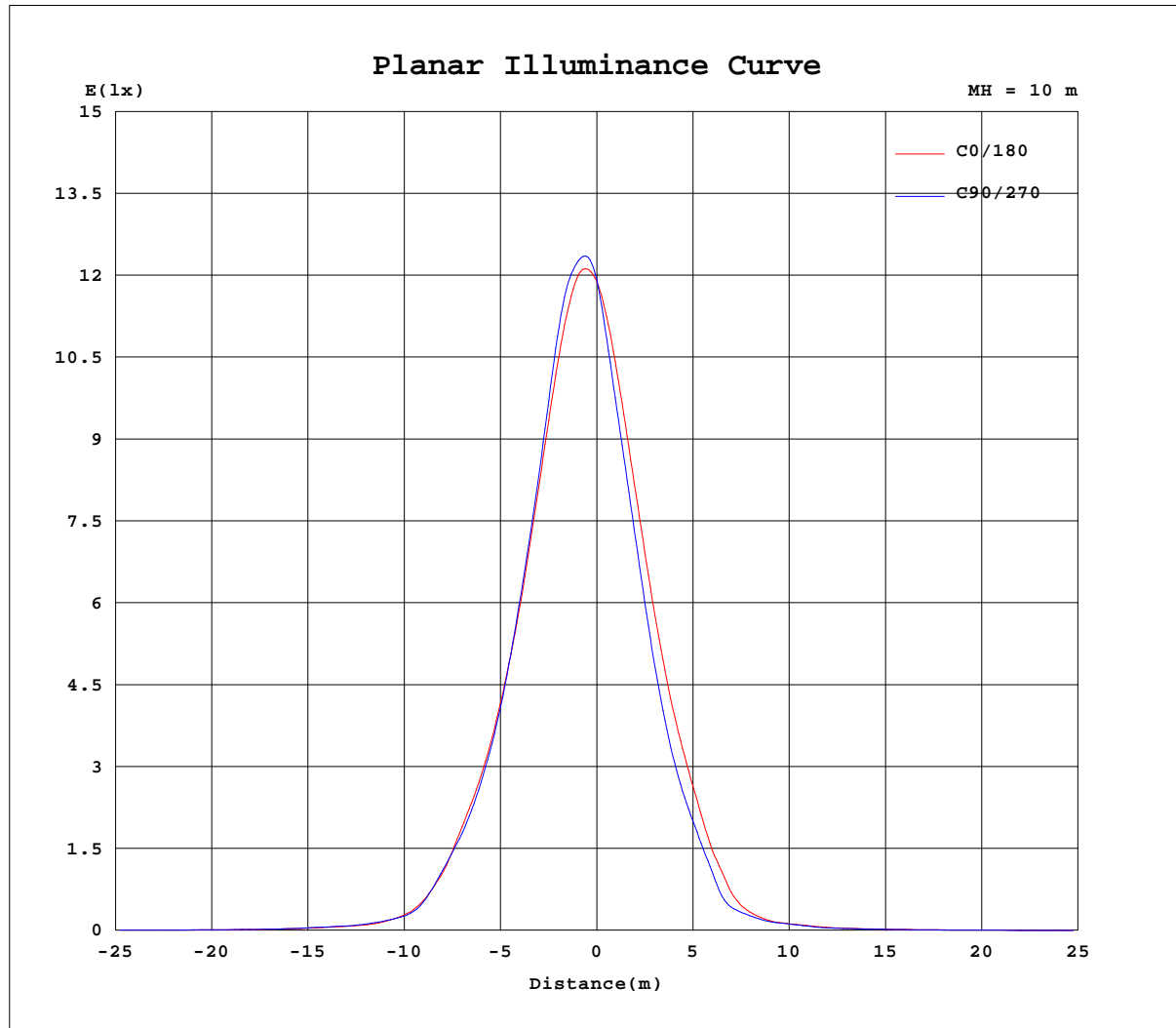
AvgL	cd/m2
L_0~180(65)av	7742
L_0~180(75)av	5965
L_0~180(85)av	4429
L_90~270(65)av	7605
L_90~270(75)av	5816
L_90~270(85)av	4758
L_45(65)av	7536
L_45(75)av	5742
L_45(85)av	4541

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:

















