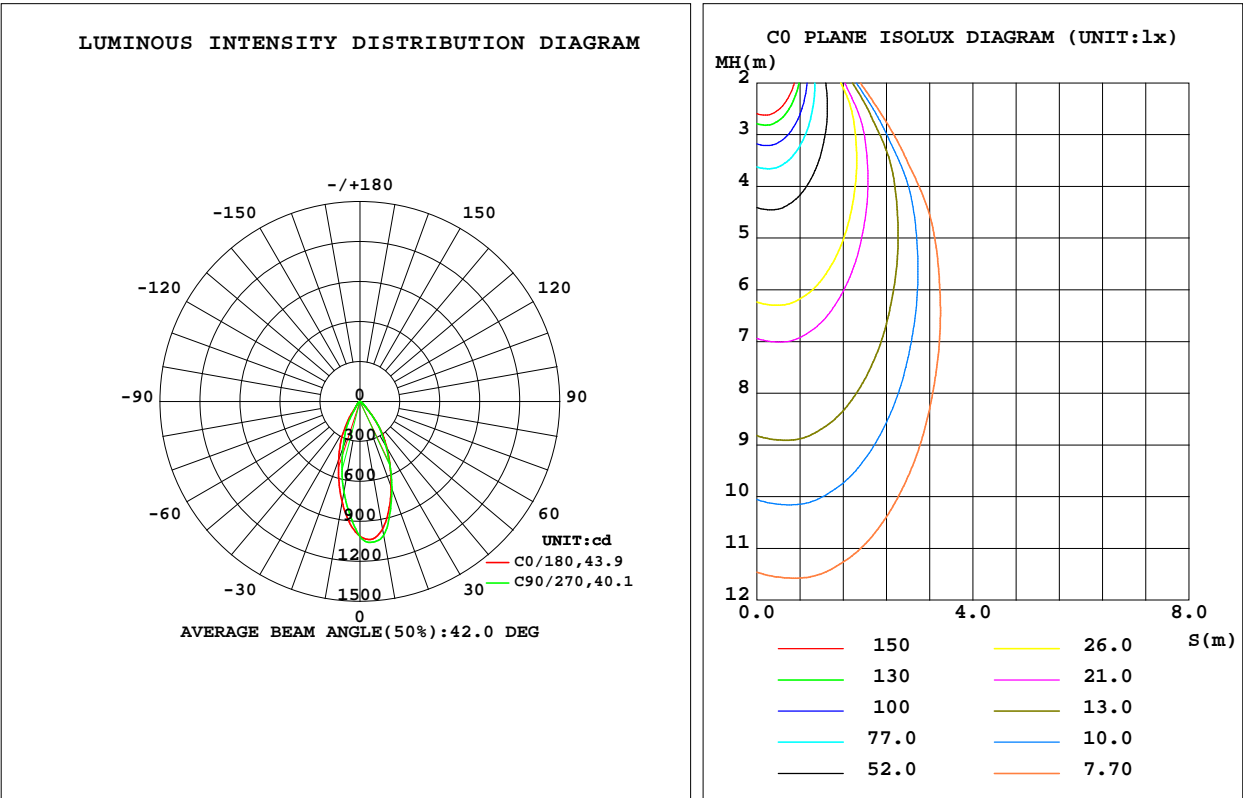


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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: 82.93 lm/W			
MODEL	2700K	I _{max} (cd)	1072	S/MH(C0/180)	0.59
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	659.91	h UP,DN(C0-180)	0.0,60.3
NOMINAL FLUX(lm)	659.914	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,39.7
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:

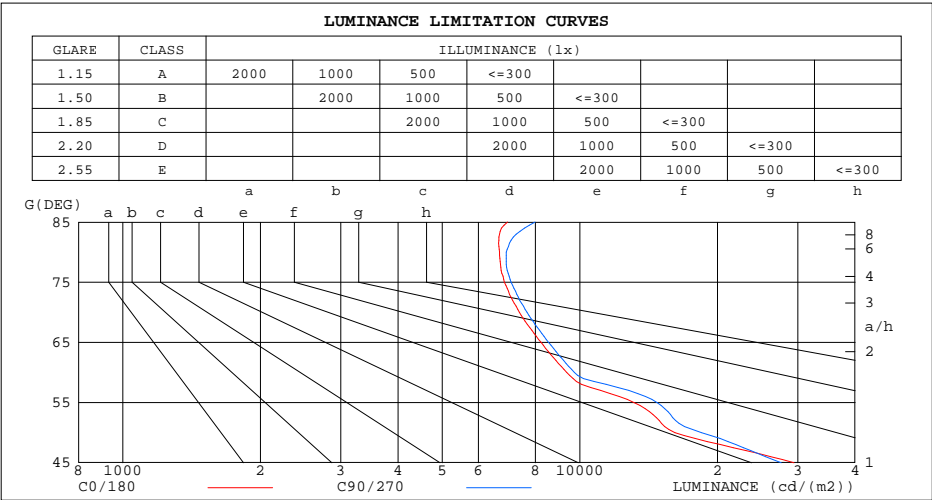
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1038	1070	1060	991.0	912.5	865.0	858.5	919.1	0- 5	23.57	23.57	3.57,3.57
10	973.1	1035	1021	902.7	768.9	698.5	694.4	789.6	5- 10	65.05	88.62	13.4,13.4
15	841.4	891.9	871.0	750.3	615.0	535.3	527.0	633.9	10- 15	92.60	181.2	27.5,27.5
20	686.7	725.7	702.7	593.6	470.9	390.7	378.0	482.2	15- 20	102.9	284.1	43.1,43.1
25	538.5	560.7	536.2	446.5	347.1	277.9	266.3	358.3	20- 25	100.5	384.6	58.3,58.3
30	406.6	420.6	394.9	312.5	224.3	169.1	165.4	248.5	25- 30	88.94	473.6	71.8,71.8
35	293.7	304.2	276.6	193.6	107.4	61.89	65.95	146.2	30- 35	67.96	541.5	82.1,82.1
40	160.7	177.0	163.7	106.8	48.71	30.60	41.75	85.50	35- 40	46.30	587.8	89.1,89.1
45	69.05	70.63	64.67	47.21	30.14	24.77	28.75	43.69	40- 45	25.28	613.1	92.9,92.9
50	34.42	40.06	39.37	29.66	19.00	15.30	16.40	22.83	45- 50	14.75	627.9	95.1,95.1
55	25.00	28.77	28.08	20.96	13.30	10.92	12.01	16.72	50- 55	9.883	637.8	96.6,96.6
60	15.53	16.71	16.14	13.04	9.737	8.415	8.742	11.16	55- 60	7.196	645.0	97.7,97.7
65	11.53	12.45	11.98	9.522	6.914	5.885	6.162	8.083	60- 65	5.174	650.1	98.5,98.5
70	8.368	9.075	8.691	6.727	4.651	3.847	4.084	5.620	65- 70	3.871	654.0	99.1,99.1
75	5.874	6.406	6.075	4.486	2.822	2.202	2.421	3.666	70- 75	2.747	656.8	99.5,99.5
80	3.845	4.255	3.978	2.693	1.358	0.8866	1.088	2.088	75- 80	1.787	658.5	99.8,99.8
85	2.008	2.460	2.309	1.282	0.1979	0	0.0445	0.7616	80- 85	0.9672	659.5	99.9,99.9
90	0.5400	0.9349	0.9807	0.5303	0.0248	0	0.0248	0.2180	85- 90	0.4067	659.9	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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:

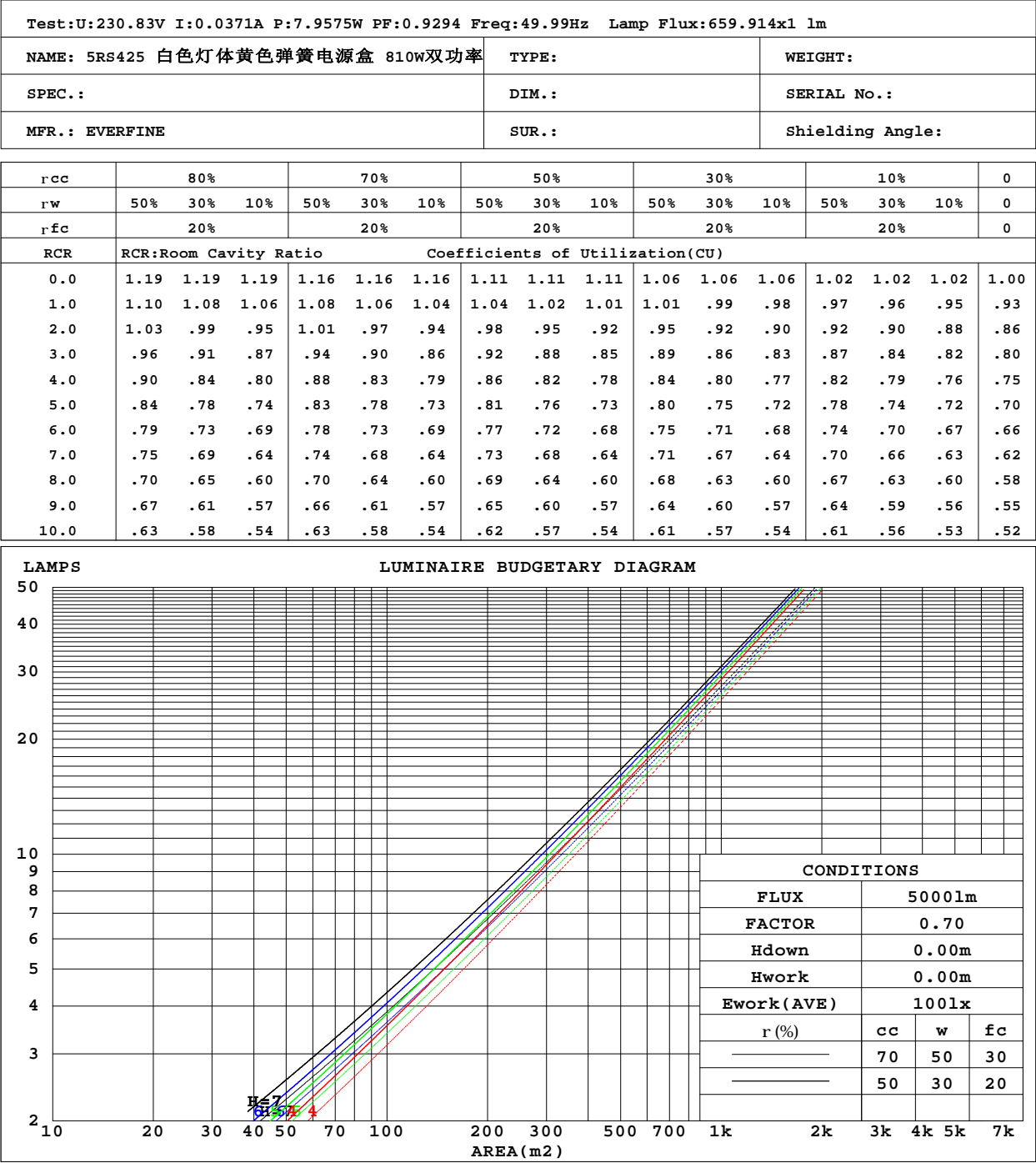


LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	6946	7986
80	6677	6906
75	6842	7077
70	7377	7662
65	8229	8547
60	9366	9735
55	13143	14758
50	16145	18467
45	29443	27573

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



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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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	21.7	22.6	21.9	22.8	23.0	21.6	22.6	21.8	22.7	22.9
	3H	21.7	22.6	22.0	22.8	23.0	21.7	22.5	21.9	22.7	22.9
	4H	21.7	22.6	22.0	22.8	23.0	21.7	22.5	22.0	22.8	23.0
	6H	21.8	22.5	22.1	22.8	23.0	21.7	22.5	22.0	22.8	23.0
	8H	21.8	22.5	22.1	22.8	23.0	21.7	22.5	22.0	22.7	23.0
	12H	21.8	22.5	22.1	22.8	23.0	21.7	22.5	22.1	22.7	23.0
4H	2H	21.6	22.4	21.8	22.6	22.8	21.5	22.3	21.8	22.5	22.8
	3H	21.7	22.4	22.0	22.7	23.0	21.6	22.4	22.0	22.6	22.9
	4H	21.8	22.4	22.1	22.7	23.0	21.7	22.4	22.1	22.7	23.0
	6H	21.9	22.4	22.2	22.8	23.1	21.8	22.4	22.2	22.7	23.1
	8H	21.9	22.4	22.3	22.8	23.1	21.9	22.4	22.3	22.8	23.1
	12H	21.9	22.4	22.3	22.8	23.2	21.9	22.4	22.3	22.8	23.2
8H	4H	21.7	22.3	22.1	22.6	23.0	21.7	22.2	22.1	22.6	23.0
	6H	21.9	22.3	22.3	22.7	23.1	21.9	22.3	22.3	22.7	23.1
	8H	22.0	22.4	22.4	22.8	23.2	22.0	22.3	22.4	22.8	23.2
	12H	22.0	22.4	22.5	22.8	23.3	22.1	22.4	22.5	22.8	23.3
12H	4H	21.7	22.2	22.1	22.6	23.0	21.7	22.2	22.1	22.5	22.9
	6H	21.9	22.3	22.3	22.7	23.1	21.9	22.2	22.3	22.7	23.1
	8H	22.0	22.3	22.5	22.8	23.2	22.0	22.3	22.4	22.7	23.2
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, 659.9 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.4)
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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:

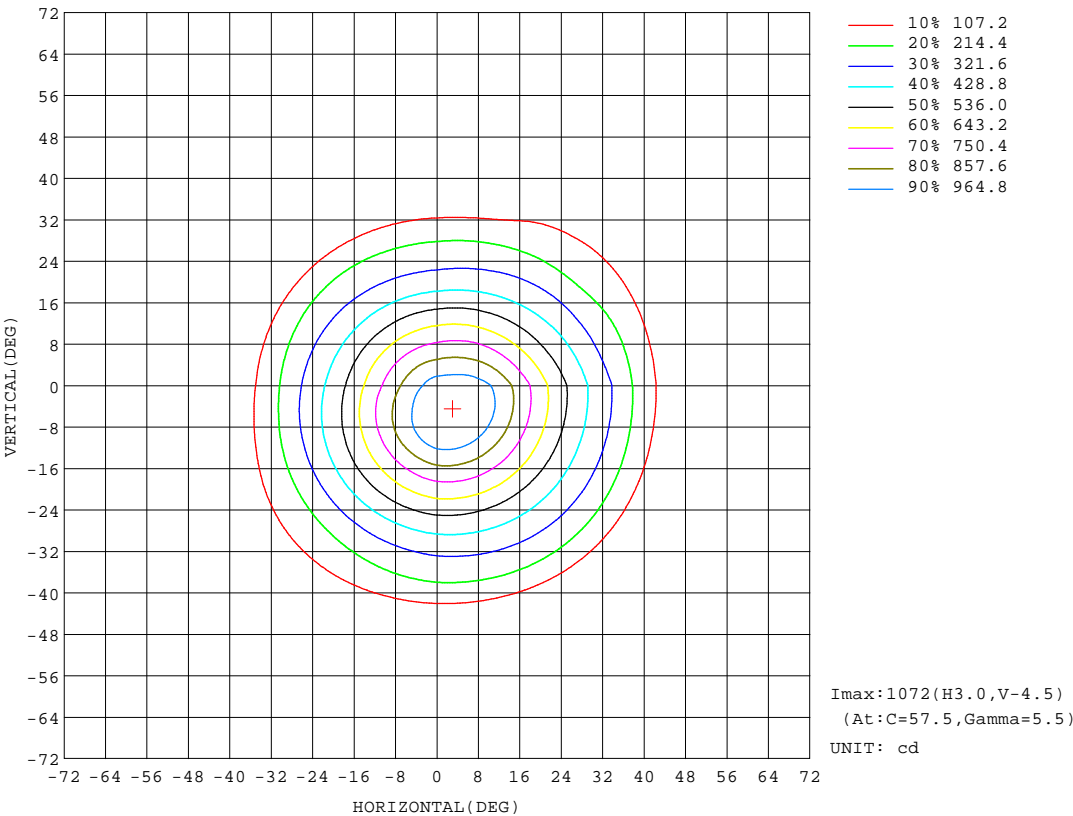
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	91	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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:



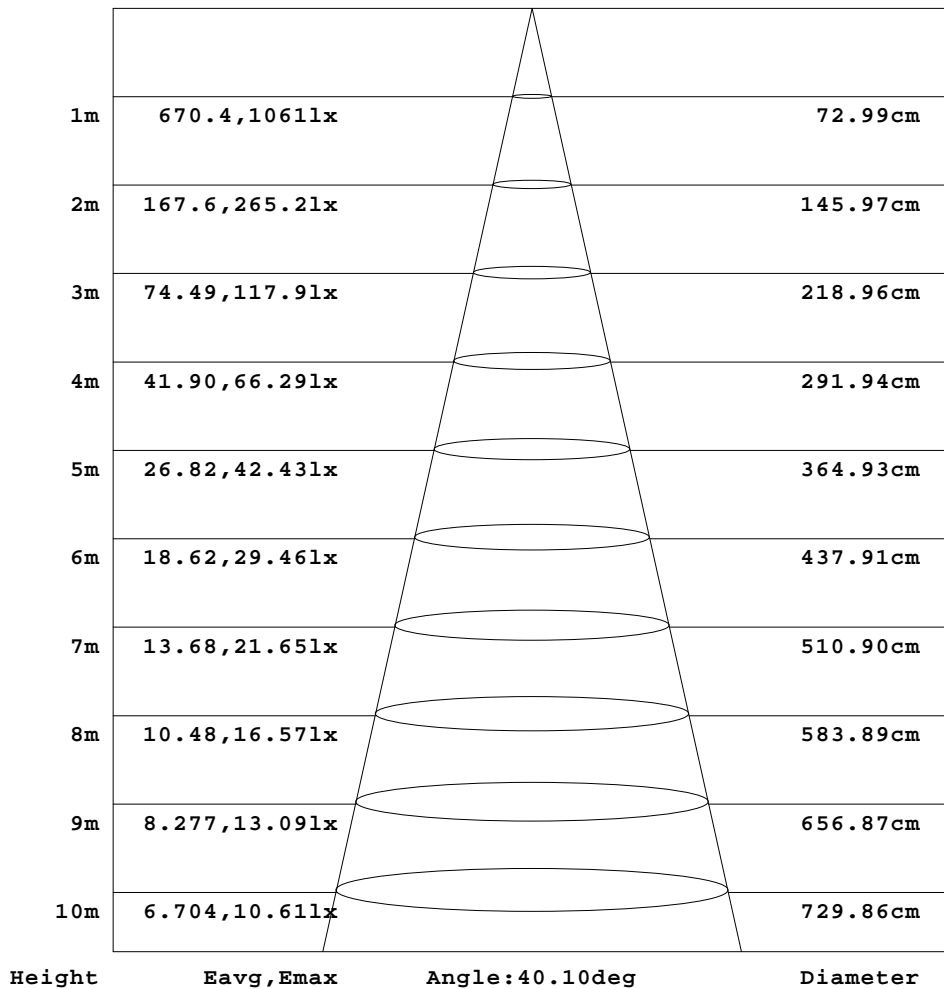
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

g Range: 0 - 90DEG
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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:294.4 lm



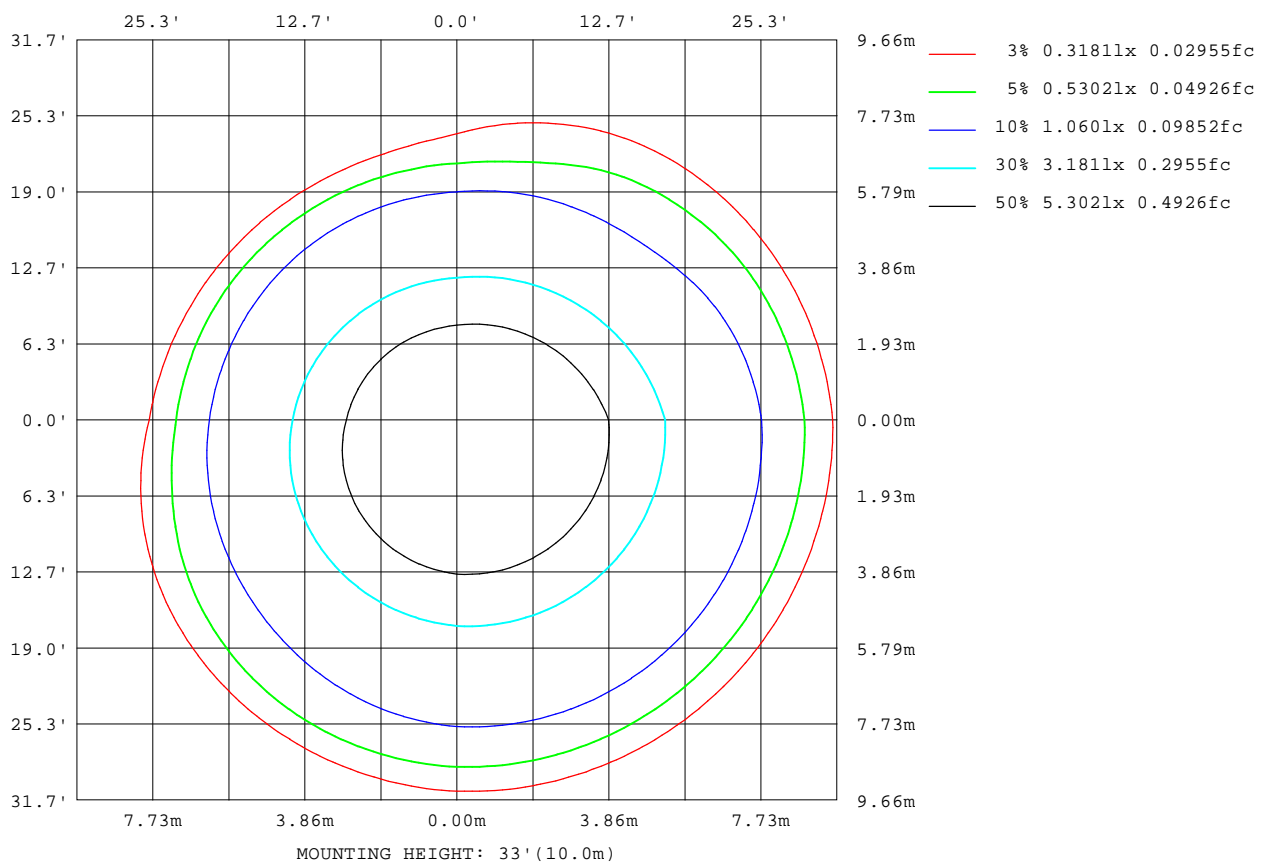
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:230.83V I:0.0371A P:7.9575W PF:0.9294 Freq:49.99Hz Lamp Flux:659.914x1 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:

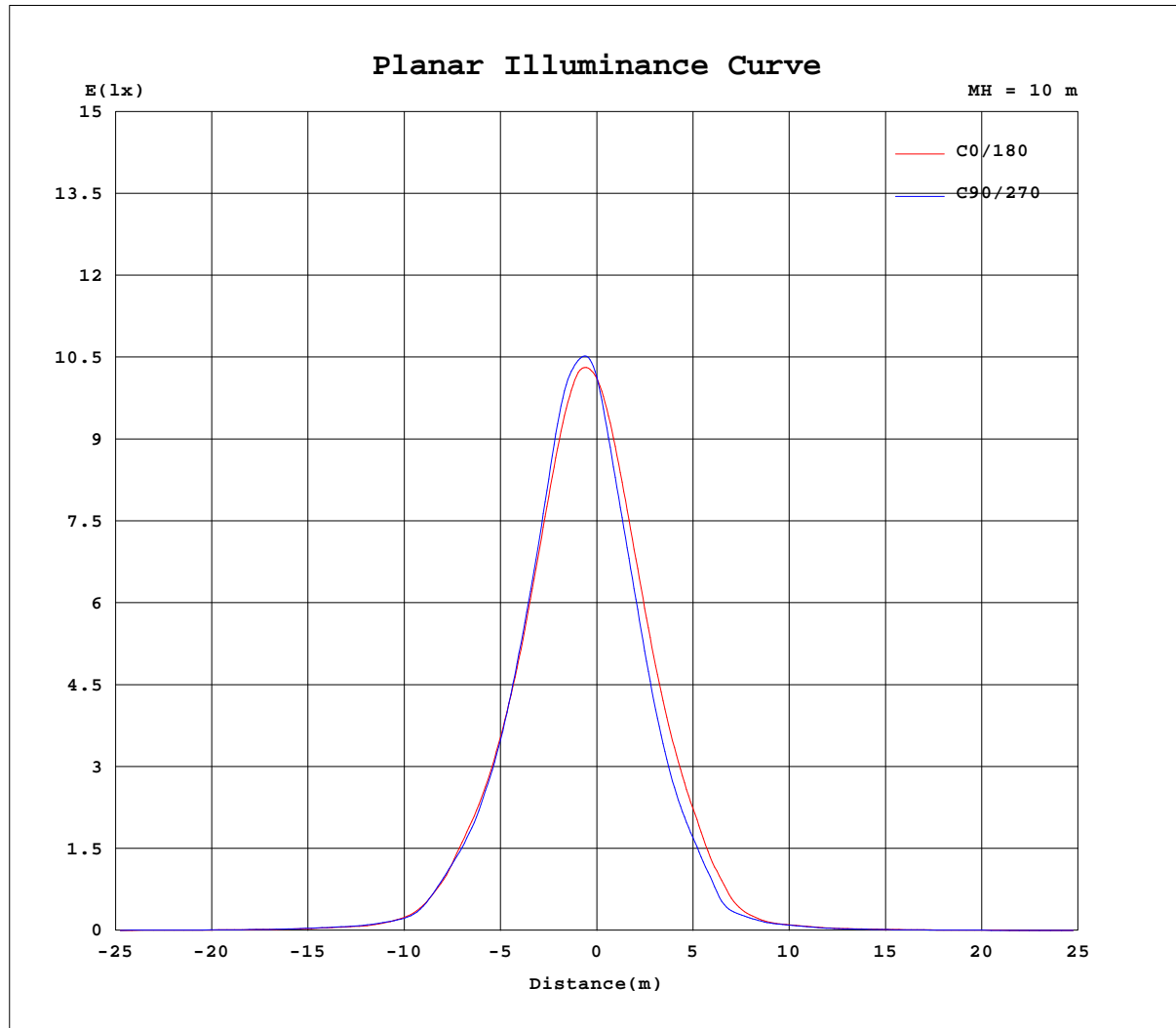
AvgL	cd/m2
L_0~180(65)av	6581
L_0~180(75)av	5065
L_0~180(85)av	3816
L_90~270(65)av	6471
L_90~270(75)av	4949
L_90~270(85)av	4070
L_45(65)av	6409
L_45(75)av	4881
L_45(85)av	3894

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:

