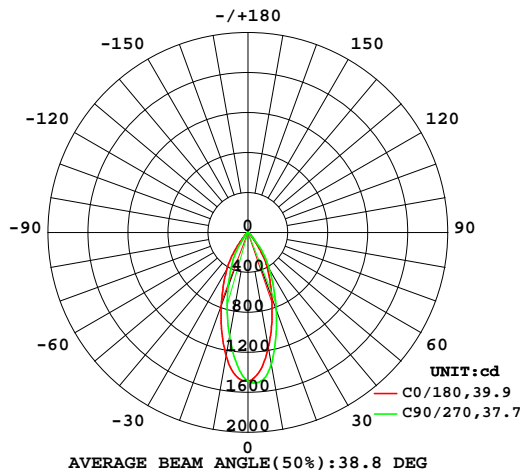


LUMINAIRE PHOTOMETRIC TEST REPORT

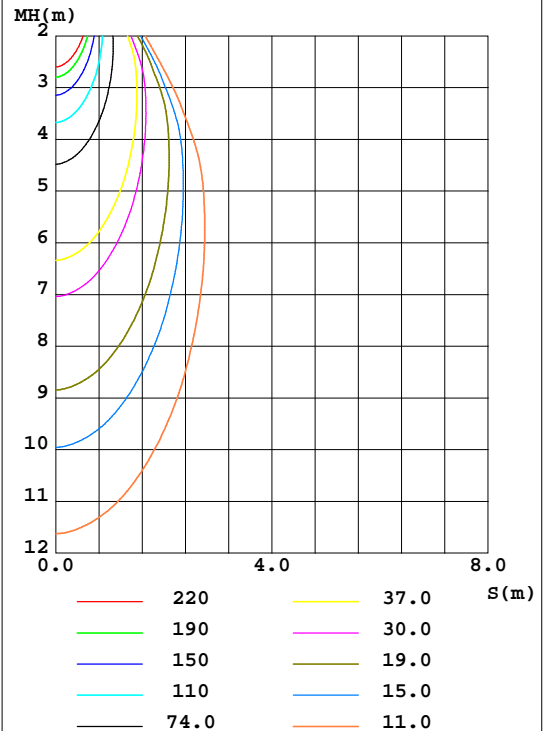
Test:U:230.89V I:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.59 lm/W			
MODEL	3000K	I _{max} (cd)	1507	S/MH(C0/180)	0.66
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.53
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	861.35	h UP,DN(C0-180)	0.0,55.6
NOMINAL FLUX(lm)	861.354	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,44.4
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

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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:

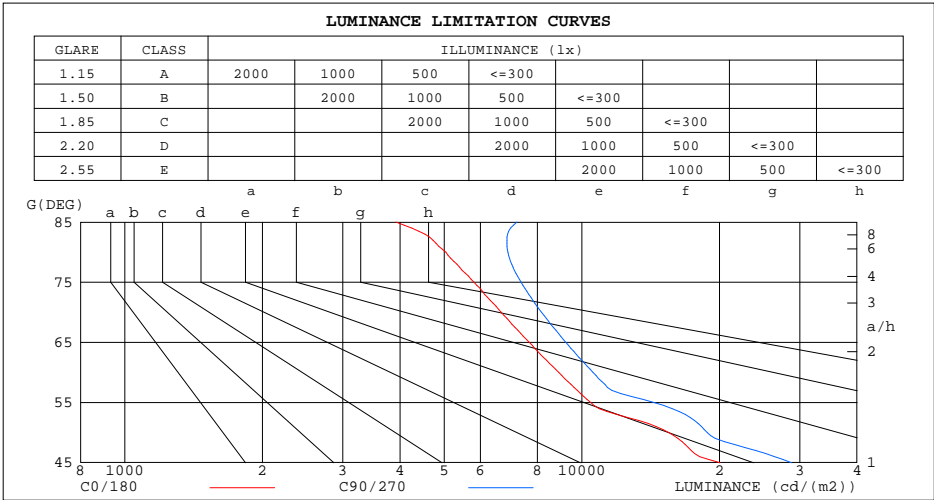
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1388	1461	1494	1478	1436	1370	1320	1331	0- 5	34.61	34.61	4.02,4.02
10	1172	1289	1342	1323	1257	1146	1060	1077	5- 10	93.45	128.1	14.9,14.9
15	928.2	1034	1085	1076	1021	902.3	806.8	825.6	10- 15	127.7	255.7	29.7,29.7
20	700.4	788.1	831.8	830.0	786.6	675.4	584.3	602.6	15- 20	137.4	393.2	45.6,45.6
25	516.5	577.9	609.8	614.2	585.1	490.0	411.1	428.9	20- 25	129.9	523.1	60.7,60.7
30	370.1	411.6	434.5	442.5	424.4	346.5	281.0	296.5	25- 30	113.2	636.3	73.9,73.9
35	212.6	268.2	295.7	294.4	266.3	193.3	133.9	146.8	30- 35	88.46	724.8	84.1,84.1
40	92.00	122.7	137.7	135.3	120.6	91.84	68.19	70.57	35- 40	53.65	778.4	90.4,90.4
45	47.11	61.13	67.48	64.66	57.17	47.60	40.18	40.66	40- 45	27.33	805.7	93.5,93.5
50	33.06	37.94	40.12	39.26	36.43	31.49	27.69	28.61	45- 50	17.12	822.9	95.5,95.5
55	19.90	25.28	27.39	25.31	21.72	18.89	17.12	17.58	50- 55	12.05	834.9	96.9,96.9
60	14.77	16.72	17.55	17.06	15.82	13.96	12.59	13.00	55- 60	8.274	843.2	97.9,97.9
65	10.77	12.30	12.94	12.55	11.57	10.11	9.031	9.364	60- 65	6.335	849.5	98.6,98.6
70	7.561	8.766	9.268	8.945	8.162	7.016	6.182	6.452	65- 70	4.744	854.3	99.2,99.2
75	4.986	5.932	6.323	6.061	5.440	4.550	3.905	4.118	70- 75	3.361	857.6	99.6,99.6
80	2.902	3.660	3.971	3.751	3.250	2.562	2.069	2.233	75- 80	2.174	859.8	99.8,99.8
85	1.133	1.803	2.085	1.900	1.482	0.9584	0.5791	0.6739	80- 85	1.173	861.0	100,100
90	0.0372	0.4391	0.5835	0.3798	0.0993	0.0345	0.0310	0.0248	85- 90	0.3770	861.4	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:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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:



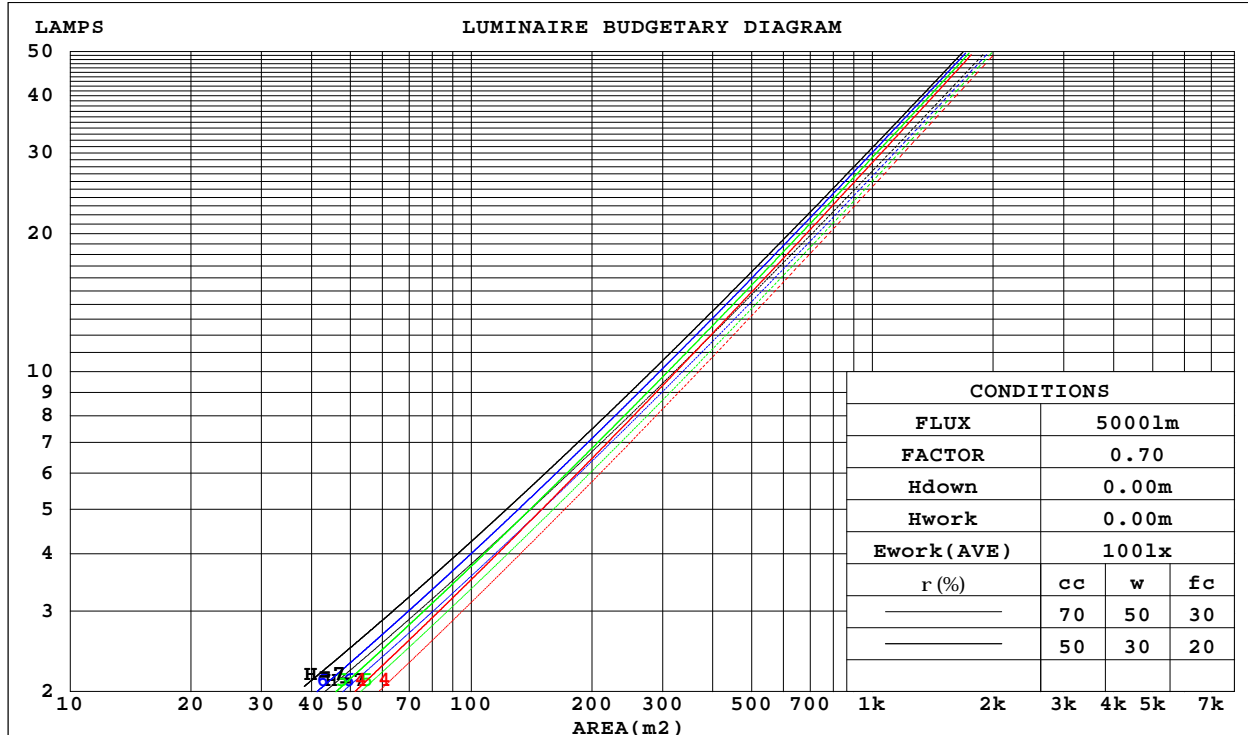
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.89V I:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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 _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	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	1.00
1.0	1.11	1.08	1.06	1.09	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.96	.91	.87	.95	.90	.87	.92	.89	.85	.90	.87	.84	.88	.85	.83	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.76	.73	.79	.75	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.65	.73	.68	.65	.71	.68	.65	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.61	.68	.64	.61	.60
9.0	.68	.62	.59	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.57
10.0	.65	.59	.56	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.54



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:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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	.179	.102	.032	.173	.098	.031	.160	.092	.029	.148	.086	.027	.138	.080	.026															
2.0	.171	.093	.029	.165	.091	.028	.154	.086	.027	.145	.081	.025	.135	.077	.024															
3.0	.161	.086	.026	.157	.084	.025	.148	.080	.024	.139	.076	.023	.131	.073	.023															
4.0	.153	.079	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.127	.069	.021															
5.0	.145	.074	.021	.141	.073	.021	.135	.070	.021	.128	.068	.020	.122	.065	.020															
6.0	.138	.069	.020	.135	.068	.020	.129	.066	.019	.123	.064	.019	.118	.062	.018															
7.0	.131	.065	.018	.128	.064	.018	.123	.062	.018	.118	.061	.018	.114	.059	.017															
8.0	.125	.061	.017	.123	.060	.017	.118	.059	.017	.114	.058	.017	.109	.056	.016															
9.0	.120	.058	.016	.117	.057	.016	.113	.056	.016	.109	.055	.016	.106	.054	.015															
10.0	.115	.055	.015	.113	.054	.015	.109	.053	.015	.105	.052	.015	.102	.051	.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	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.113	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.090	.123	.098	.078	.085	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.107	.075	.052	.073	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.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:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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	19.4	20.3	19.6	20.5	20.6	20.3	21.2	20.5	21.4	21.6	
	3H	19.5	20.3	19.7	20.5	20.7	20.4	21.3	20.7	21.5	
	4H	19.5	20.3	19.8	20.5	20.8	20.5	21.3	20.7	21.5	
	6H	19.5	20.3	19.8	20.5	20.8	20.5	21.3	20.8	21.5	
	8H	19.5	20.2	19.8	20.5	20.8	20.5	21.2	20.8	21.5	
	12H	19.5	20.2	19.8	20.5	20.7	20.5	21.2	20.8	21.5	
4H	2H	19.3	20.1	19.6	20.3	20.6	20.2	21.0	20.5	21.2	
	3H	19.5	20.2	19.8	20.5	20.8	20.4	21.1	20.7	21.4	
	4H	19.6	20.3	20.0	20.6	20.9	20.5	21.1	20.9	21.4	
	6H	19.7	20.3	20.1	20.6	20.9	20.6	21.2	21.0	21.5	
	8H	19.7	20.2	20.1	20.6	20.9	20.7	21.2	21.0	21.5	
	12H	19.7	20.2	20.1	20.5	20.9	20.7	21.2	21.1	21.5	
8H	4H	19.6	20.1	20.0	20.5	20.8	20.5	21.0	20.9	21.3	
	6H	19.7	20.2	20.2	20.6	21.0	20.6	21.1	21.1	21.5	
	8H	19.8	20.2	20.2	20.6	21.0	20.7	21.1	21.2	21.5	
	12H	19.8	20.1	20.3	20.6	21.1	20.8	21.1	21.3	21.6	
12H	4H	19.6	20.1	20.0	20.4	20.8	20.4	20.9	20.8	21.3	
	6H	19.7	20.1	20.2	20.5	21.0	20.6	21.0	21.1	21.4	
	8H	19.8	20.1	20.3	20.6	21.0	20.7	21.0	21.2	21.5	
Variations with the observer position at spacings:											
S = 1.0H		+ 1.7 / - 2.5					+ 2.5 / - 3.0				
1.5H		+ 2.9 / - 1.9					+ 4.2 / - 2.6				
2.0H		+ 1.7 / - 1.3					+ 2.4 / - 1.3				

CIE Pub.117, 861.4 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.5)
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:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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:

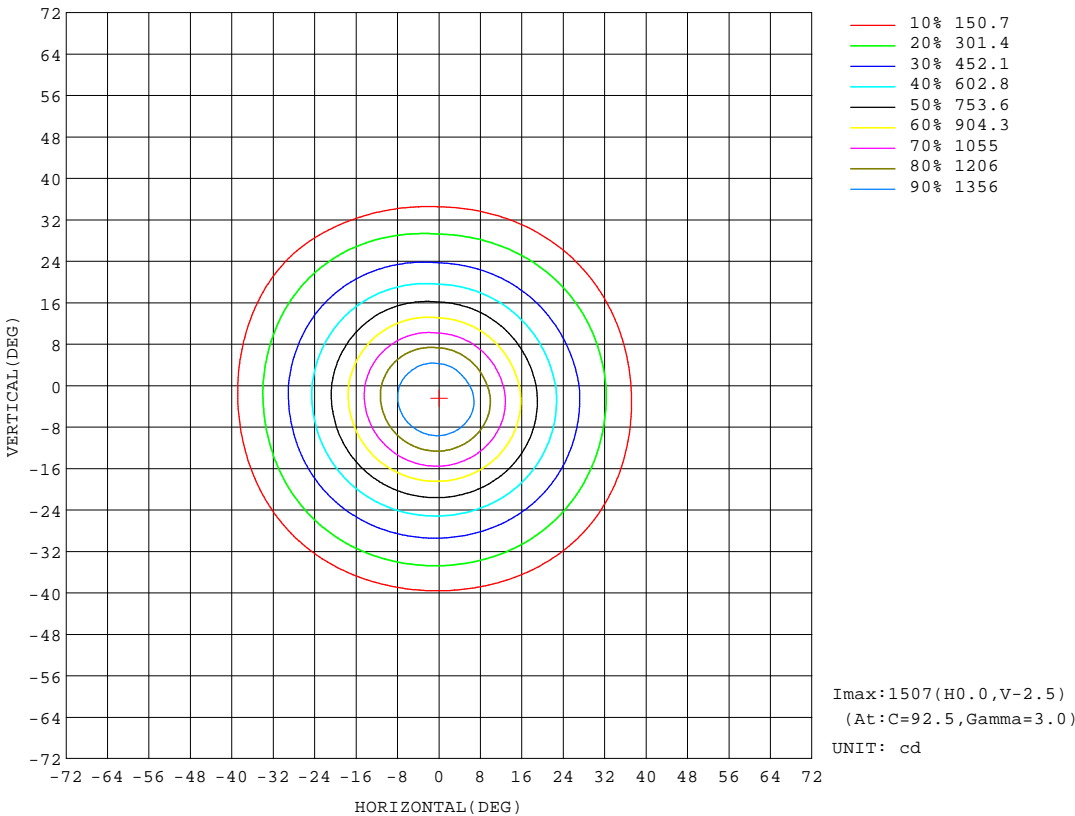
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	106	102	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	113	110	109	109	107	106	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:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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:



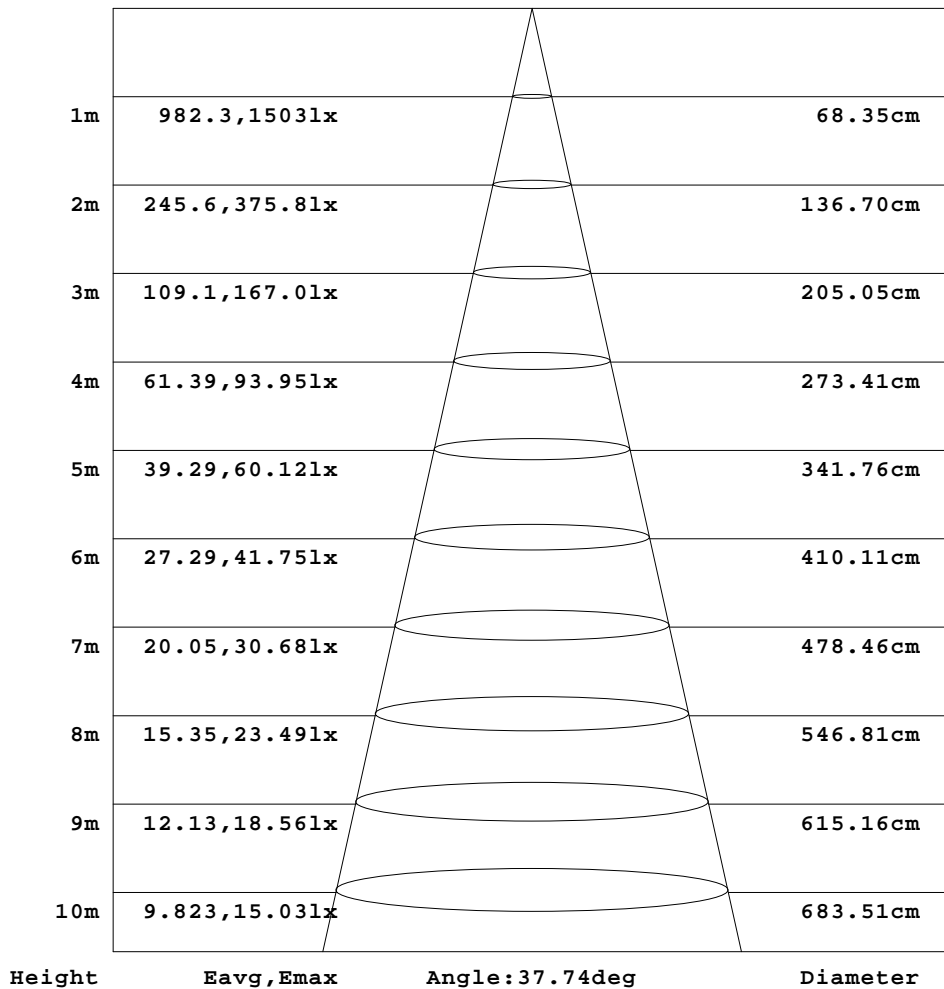
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

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:230.89V I:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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:365.9 lm



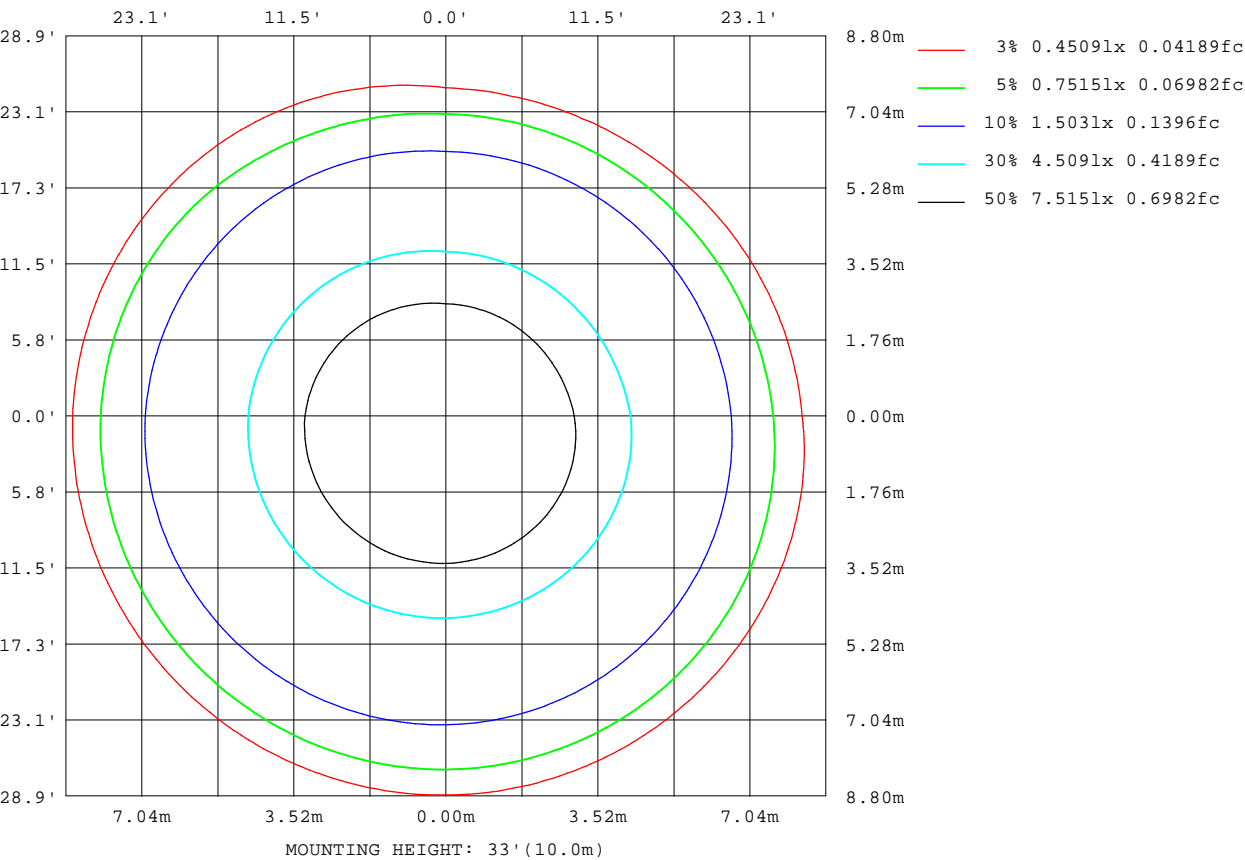
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.89V I:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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:

LED Avg.L Report

Test:U:230.89V I:0.0445A P:9.7228W PF:0.9458 Freq:49.99Hz Lamp Flux:861.354x1 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:

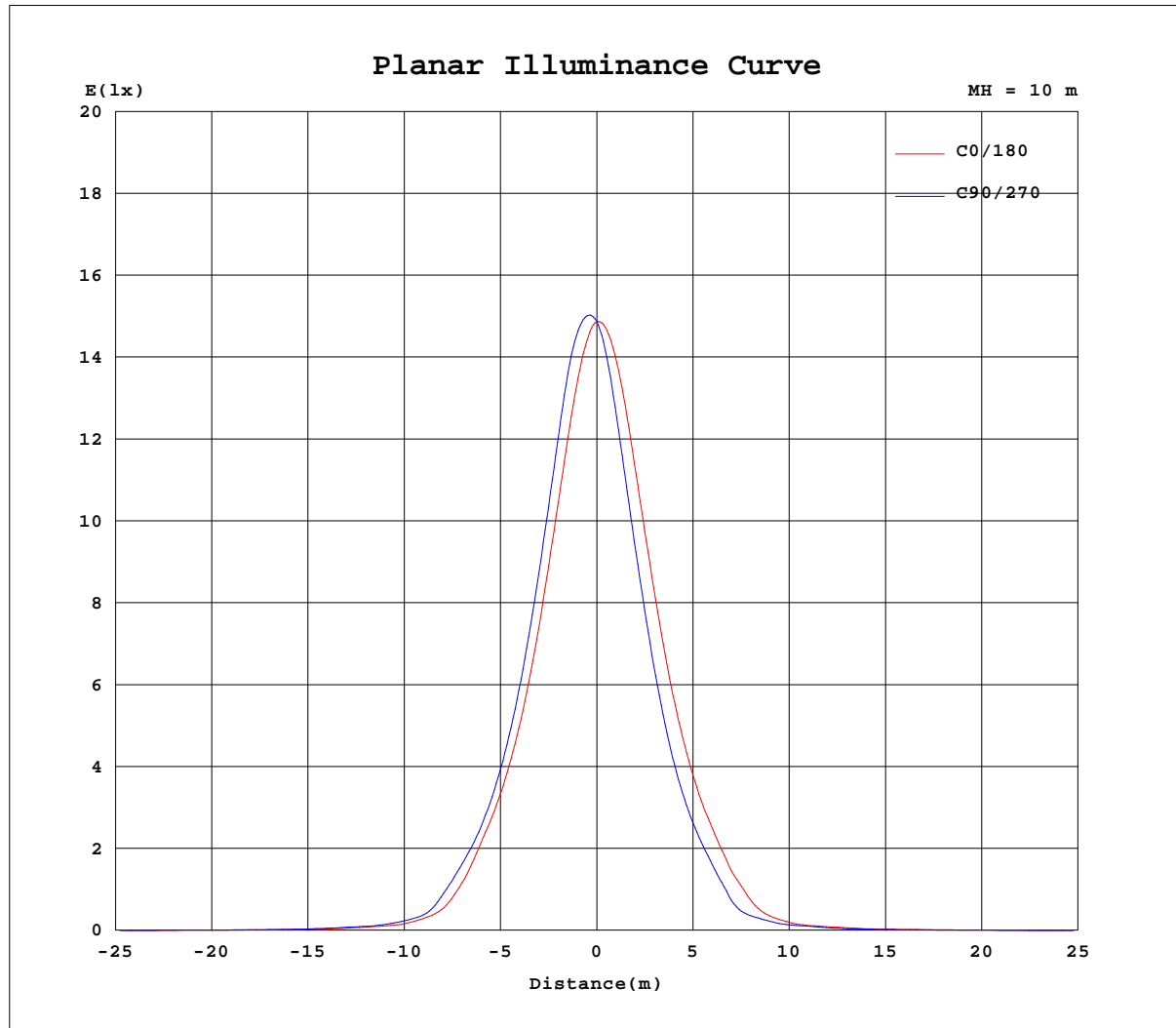
AvgL	cd/m2
L_0~180(65)av	7967
L_0~180(75)av	6073
L_0~180(85)av	4523
L_90~270(65)av	7838
L_90~270(75)av	5957
L_90~270(85)av	4608
L_45(65)av	7904
L_45(75)av	6017
L_45(85)av	4614

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:

