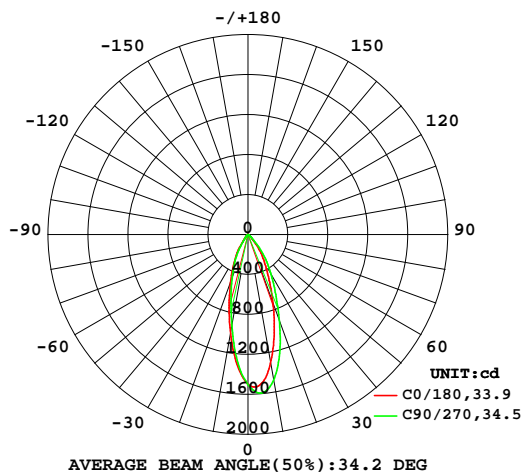


LUMINAIRE PHOTOMETRIC TEST REPORT

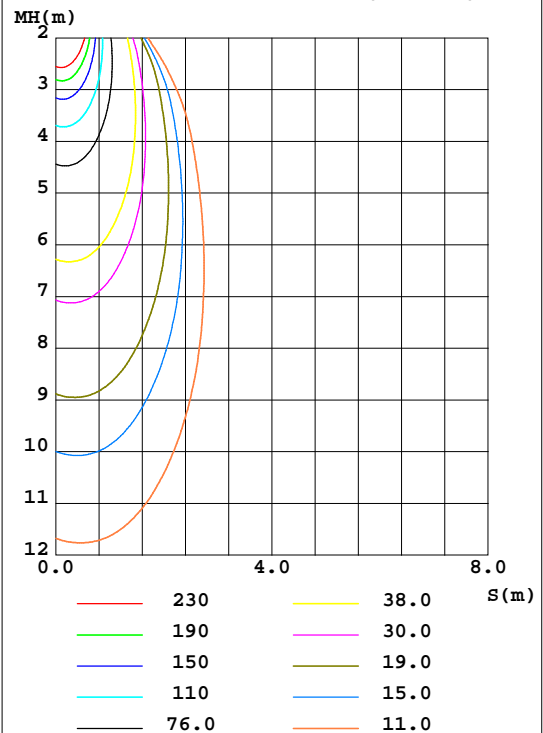
Test:U:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 lm		
NAME: 5RS425 白色灯体黄色弹簧电源盒 810W双功率	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 97.48 lm/W			
MODEL	4000K	I _{max} (cd)	1605	S/MH(C0/180)	0.48
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	785.74	h UP,DN(C0-180)	0.0,61.2
NOMINAL FLUX(lm)	785.738	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,38.8
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	0.60

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:

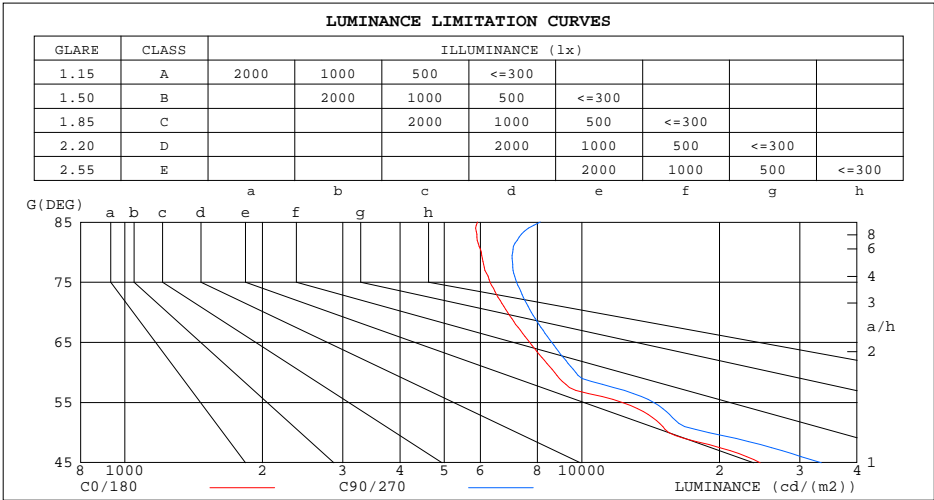
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1503	1595	1591	1452	1298	1246	1262	1348	0- 5	34.78	34.78	4.43,4.43
10	1308	1474	1480	1261	1010	918.3	932.4	1063	5- 10	92.33	127.1	16.2,16.2
15	1020	1214	1231	1000	733.7	645.2	663.4	788.4	10- 15	123.0	250.1	31.8,31.8
20	735.7	900.7	919.0	731.6	515.1	448.7	466.5	561.4	15- 20	128.1	378.3	48.1,48.1
25	507.3	641.8	660.9	517.9	352.3	307.8	324.7	389.7	20- 25	116.1	494.4	62.9,62.9
30	344.5	448.4	464.8	359.5	234.8	193.7	199.4	249.4	25- 30	96.97	591.3	75.3,75.3
35	232.4	314.3	321.1	221.9	109.0	76.15	87.89	139.5	30- 35	72.92	664.3	84.5,84.5
40	110.8	179.8	193.5	129.7	54.74	38.73	47.92	70.64	35- 40	47.61	711.9	90.6,90.6
45	57.64	76.43	78.40	56.59	31.87	25.96	29.39	39.67	40- 45	26.34	738.2	94,94
50	33.05	40.06	40.43	31.57	21.25	16.95	17.04	22.52	45- 50	15.55	753.8	95.9,95.9
55	23.35	27.61	27.37	20.71	13.44	11.45	12.55	16.49	50- 55	9.883	763.6	97.2,97.2
60	14.46	16.25	16.10	13.17	9.948	8.858	9.195	11.07	55- 60	7.056	770.7	98.1,98.1
65	10.78	12.18	12.04	9.709	7.143	6.267	6.534	8.051	60- 65	5.177	775.9	98.7,98.7
70	7.803	8.914	8.797	6.931	4.880	4.176	4.388	5.607	65- 70	3.898	779.8	99.2,99.2
75	5.408	6.281	6.180	4.693	3.058	2.480	2.638	3.624	70- 75	2.781	782.6	99.6,99.6
80	3.473	4.152	4.064	2.885	1.588	1.114	1.230	2.027	75- 80	1.816	784.4	99.8,99.8
85	1.710	2.353	2.346	1.420	0.3777	0.0086	0.0881	0.6601	80- 85	0.9825	785.3	100,100
90	0.4035	0.8783	0.9745	0.5385	0.0310	0	0.0310	0.1707	85- 90	0.3890	785.7	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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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	5916	8115
80	6030	7057
75	6300	7200
70	6879	7755
65	7693	8591
60	8717	9709
55	12273	14389
50	15502	18966
45	24576	33431

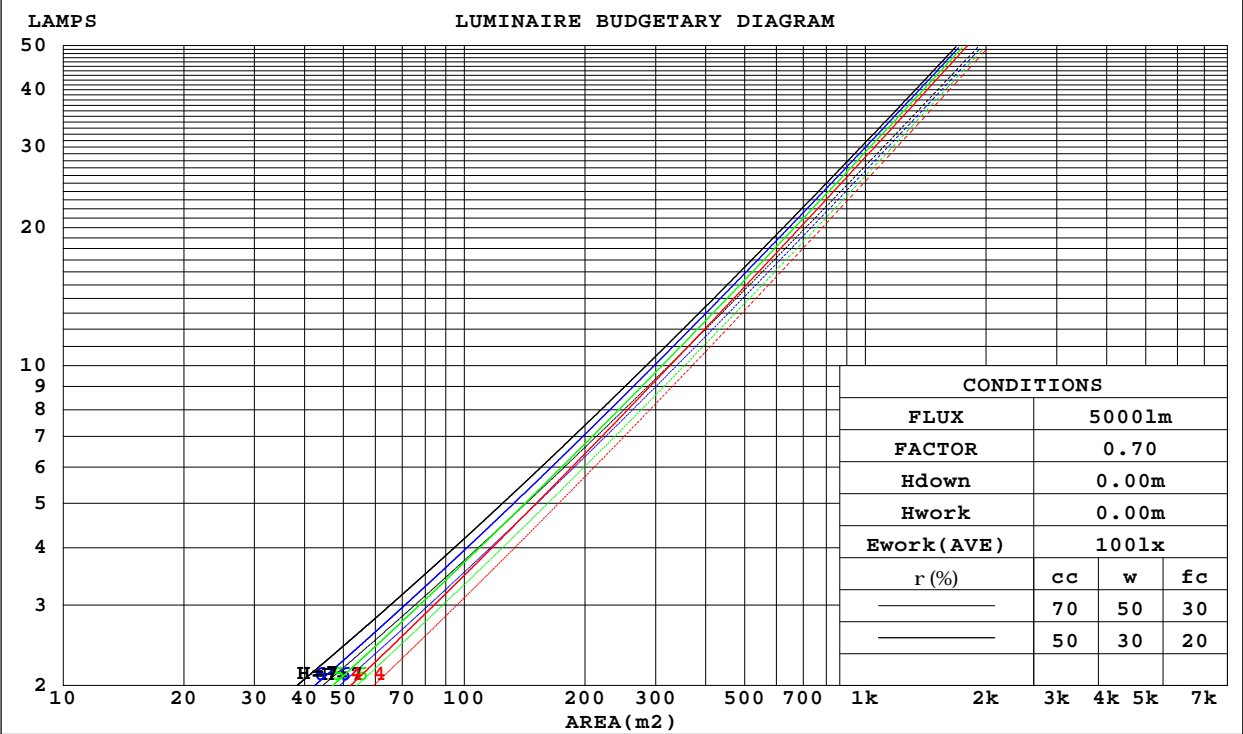
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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															



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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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	.176	.100	.032	.170	.097	.031	.157	.090	.029	.146	.084	.027	.135	.078	.025	
2.0	.168	.092	.028	.162	.089	.027	.151	.084	.026	.142	.079	.025	.133	.075	.024	
3.0	.158	.084	.025	.154	.082	.025	.145	.078	.024	.136	.075	.023	.129	.071	.022	
4.0	.150	.078	.023	.146	.076	.023	.138	.073	.022	.131	.070	.021	.124	.068	.021	
5.0	.142	.072	.021	.139	.071	.021	.132	.069	.020	.126	.066	.020	.120	.064	.019	
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.115	.061	.018	
7.0	.129	.064	.018	.126	.063	.018	.121	.061	.018	.116	.059	.017	.111	.058	.017	
8.0	.123	.060	.017	.120	.059	.017	.116	.058	.017	.111	.056	.016	.107	.055	.016	
9.0	.117	.057	.016	.115	.056	.016	.111	.055	.016	.107	.054	.015	.103	.053	.015	
10.0	.112	.054	.015	.110	.053	.015	.107	.052	.015	.103	.051	.015	.100	.050	.014	

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	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.123	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.099	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.103	.064	.037	.089	.055	.032	.061	.039	.023	.036	.023	.014	.012	.008	.004	
9.0	.098	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.093	.054	.028	.080	.047	.024	.056	.033	.017	.032	.019	.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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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	20.5	21.4	20.7	21.6	21.8	21.7	22.6	21.9	22.8	23.0	
	3H	20.6	21.4	20.8	21.6	21.8	21.7	22.6	22.0	22.8	23.0
	4H	20.6	21.4	20.9	21.6	21.8	21.8	22.6	22.0	22.8	23.0
	6H	20.6	21.4	20.9	21.6	21.9	21.8	22.5	22.1	22.8	23.0
	8H	20.6	21.3	20.9	21.6	21.9	21.8	22.5	22.1	22.7	23.0
	12H	20.6	21.3	20.9	21.6	21.9	21.8	22.5	22.1	22.7	23.0
4H	2H	20.4	21.2	20.7	21.4	21.7	21.6	22.4	21.9	22.6	22.8
	3H	20.6	21.3	20.9	21.5	21.8	21.7	22.4	22.0	22.6	22.9
	4H	20.7	21.3	21.0	21.6	21.9	21.7	22.4	22.1	22.7	23.0
	6H	20.7	21.3	21.1	21.6	22.0	21.8	22.4	22.2	22.7	23.0
	8H	20.8	21.3	21.2	21.6	22.0	21.8	22.4	22.2	22.7	23.1
	12H	20.8	21.3	21.2	21.6	22.0	21.9	22.3	22.3	22.7	23.1
8H	4H	20.6	21.2	21.0	21.5	21.9	21.7	22.2	22.1	22.5	22.9
	6H	20.8	21.2	21.2	21.6	22.0	21.8	22.2	22.2	22.6	23.0
	8H	20.9	21.2	21.3	21.7	22.1	21.9	22.3	22.3	22.7	23.1
	12H	20.9	21.3	21.4	21.7	22.2	22.0	22.3	22.4	22.7	23.2
12H	4H	20.6	21.1	21.0	21.5	21.8	21.6	22.1	22.1	22.5	22.9
	6H	20.8	21.2	21.2	21.6	22.0	21.8	22.2	22.2	22.6	23.0
	8H	20.9	21.2	21.4	21.6	22.1	21.9	22.2	22.3	22.6	23.1
Variations with the observer position at spacings:											
S = 1.0H	+ 2.0 / - 3.2					+ 2.2 / - 3.7					
1.5H	+ 3.5 / - 2.7					+ 4.1 / - 3.3					
2.0H	+ 2.5 / - 1.6					+ 3.0 / - 1.6					

CIE Pub.117, 785.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.8)
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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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:

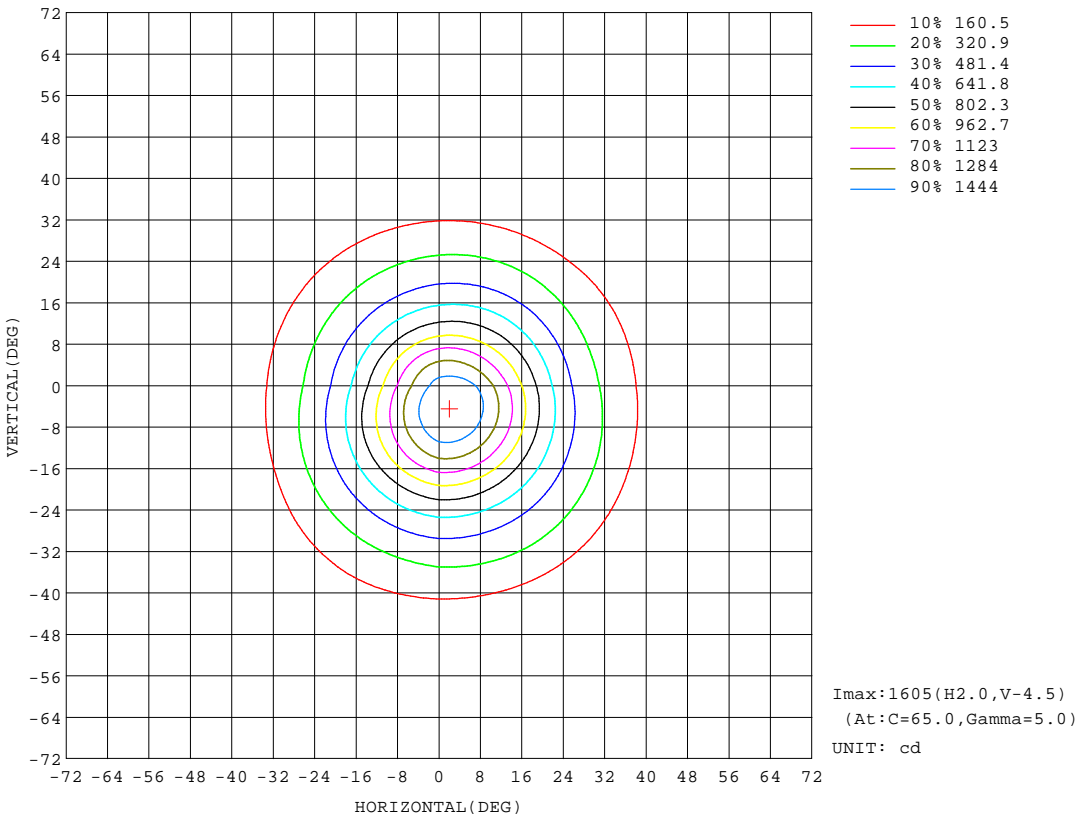
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	92	88	96	92	87	83
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	104	102	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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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:



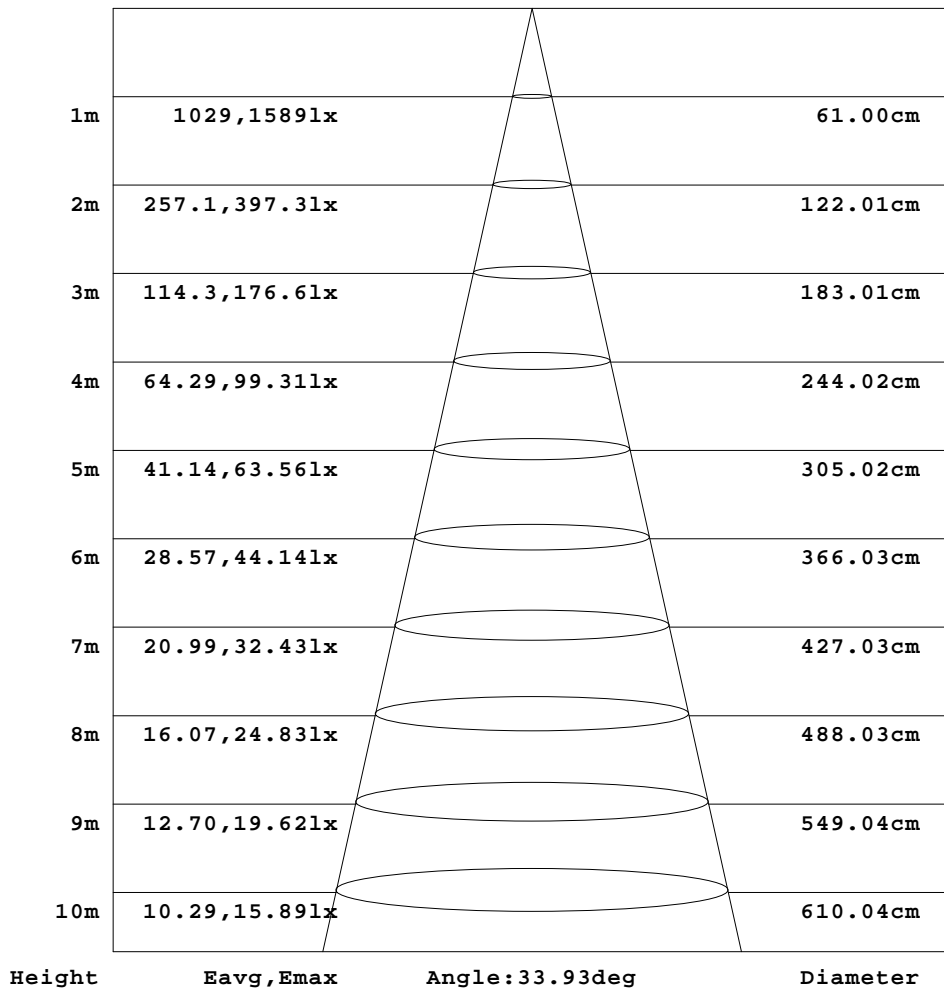
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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:302.0 lm



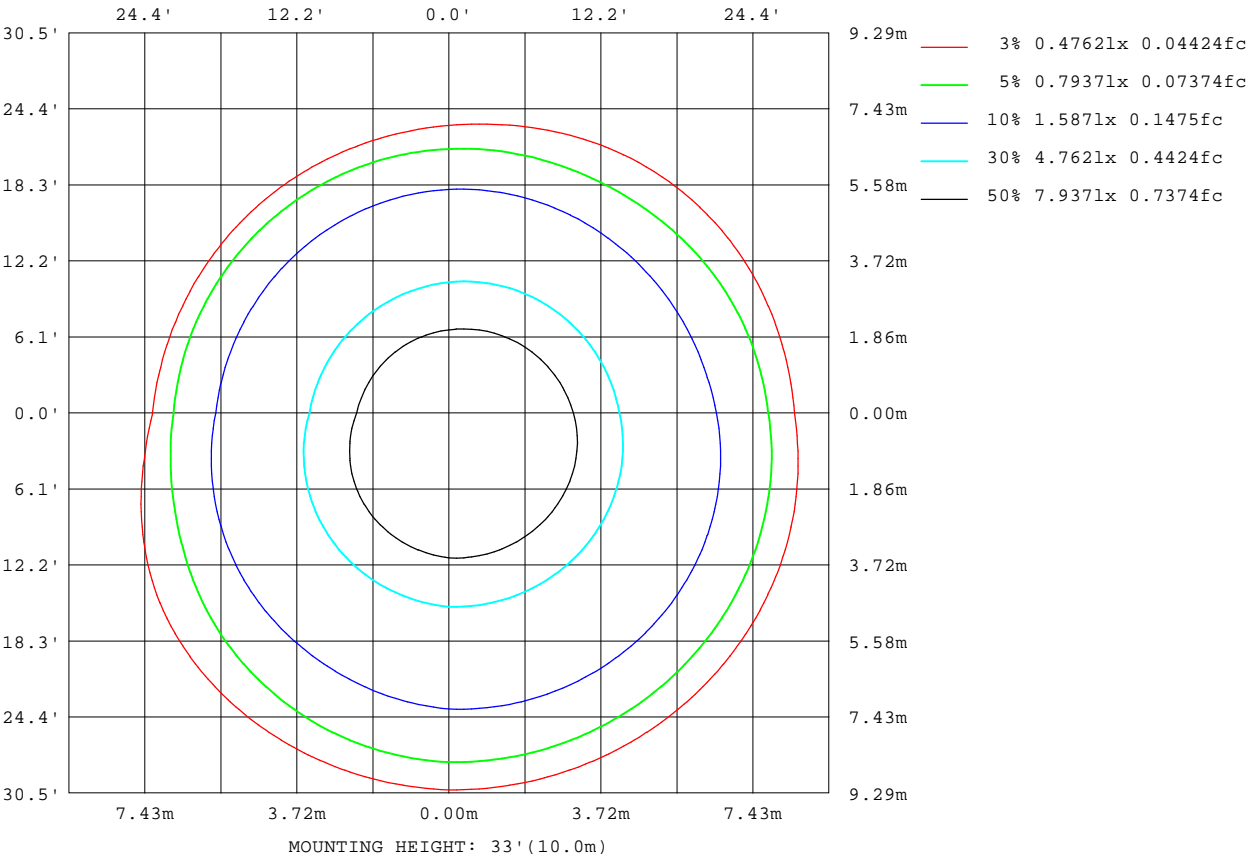
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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:230.88V I:0.0375A P:8.0608W PF:0.9307 Freq:49.99Hz Lamp Flux:785.738x1 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:

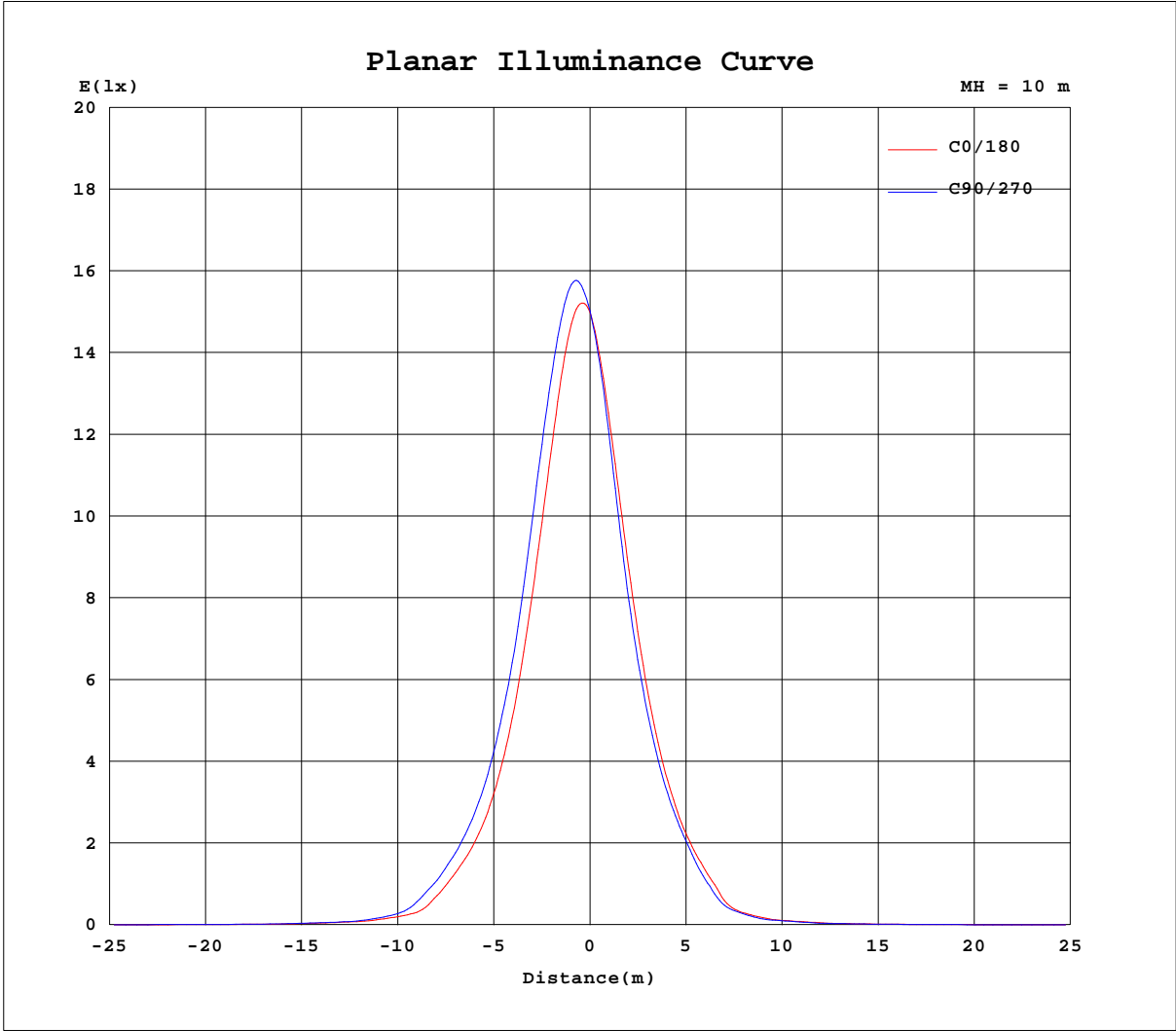
AvgL	cd/m2
L_0~180(65)av	6395
L_0~180(75)av	4931
L_0~180(85)av	3611
L_90~270(65)av	6627
L_90~270(75)av	5136
L_90~270(85)av	4210
L_45(65)av	6458
L_45(75)av	4974
L_45(85)av	3841

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:

