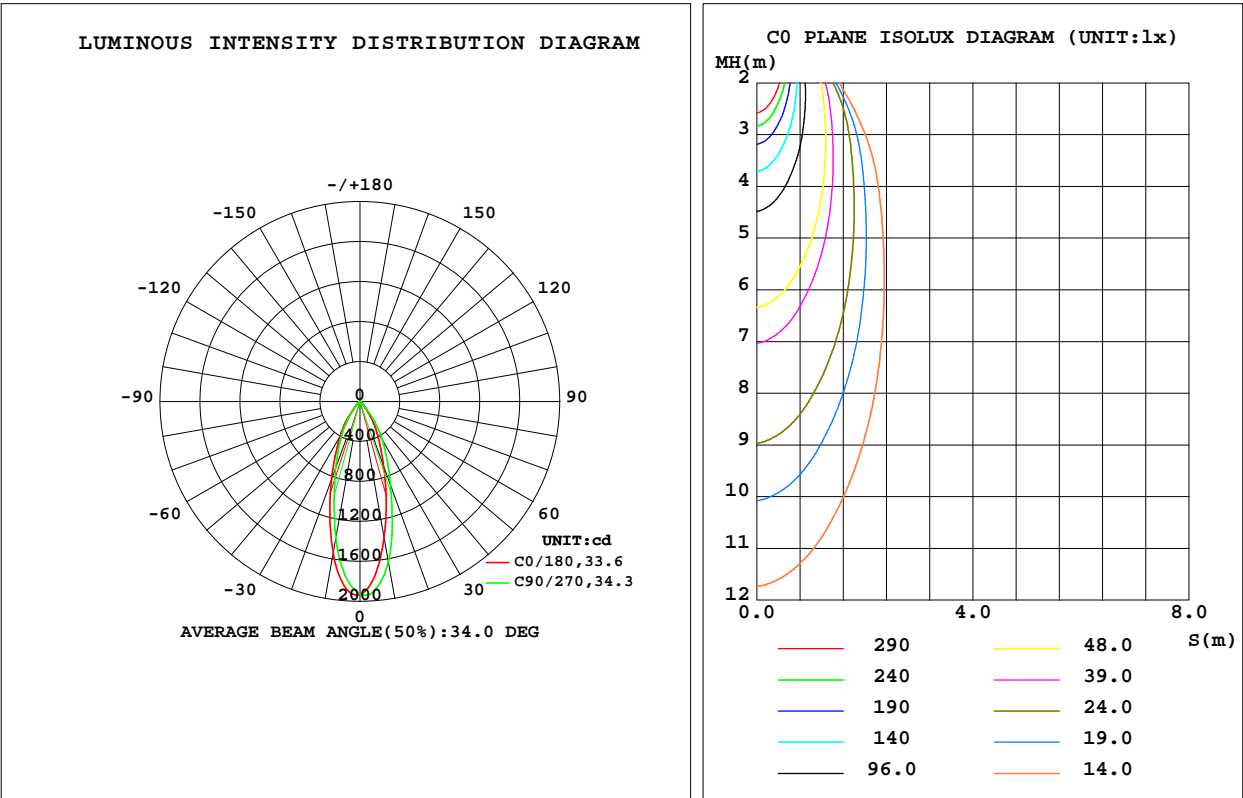


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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: 96.40 lm/W			
MODEL	4000K	I _{max} (cd)	1942	S/MH(C0/180)	0.58
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.51
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	953.70	h UP,DN(C0-180)	0.0,53.7
NOMINAL FLUX(lm)	953.697	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,46.3
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



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	1746	1833	1879	1879	1849	1793	1741	1729	0- 5	44.62	44.62	4.68,4.68
10	1388	1553	1634	1614	1544	1462	1392	1371	5- 10	117.8	162.4	17,17
15	1018	1175	1253	1237	1171	1081	1004	988.1	10- 15	153.5	315.9	33.1,33.1
20	701.2	832.6	899.0	888.0	836.9	772.0	713.3	693.3	15- 20	154.9	470.8	49.4,49.4
25	473.7	588.3	644.4	628.6	581.4	538.7	500.5	480.3	20- 25	139.3	610.1	64,64
30	320.3	410.5	453.5	437.1	397.3	368.3	343.3	327.9	25- 30	117.3	727.4	76.3,76.3
35	183.7	254.5	289.7	281.9	253.9	224.9	198.5	186.0	30- 35	90.40	817.8	85.8,85.8
40	79.99	114.6	129.8	120.0	102.0	92.88	86.39	82.03	35- 40	53.73	871.5	91.4,91.4
45	47.70	58.95	64.46	63.27	58.26	50.75	44.42	43.92	40- 45	27.67	899.2	94.3,94.3
50	32.75	35.35	36.84	37.22	36.43	33.68	31.18	31.11	45- 50	16.85	916.1	96.1,96.1
55	19.08	21.60	22.77	22.34	21.10	19.54	18.29	18.23	50- 55	11.81	927.9	97.3,97.3
60	14.29	15.66	16.26	15.94	15.17	14.25	13.55	13.63	55- 60	7.990	935.9	98.1,98.1
65	10.41	11.50	11.98	11.73	11.13	10.39	9.832	9.887	60- 65	6.207	942.1	98.8,98.8
70	7.307	8.167	8.554	8.374	7.908	7.318	6.865	6.900	65- 70	4.662	946.7	99.3,99.3
75	4.800	5.470	5.777	5.650	5.298	4.829	4.463	4.485	70- 75	3.315	950.0	99.6,99.6
80	2.740	3.272	3.524	3.448	3.188	2.813	2.510	2.511	75- 80	2.150	952.2	99.8,99.8
85	1.071	1.495	1.706	1.671	1.488	1.192	0.9392	0.9198	80- 85	1.159	953.3	100,100
90	0.0372	0.2172	0.2917	0.2300	0.1241	0.0632	0.0248	0.0171	85- 90	0.3503	953.7	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

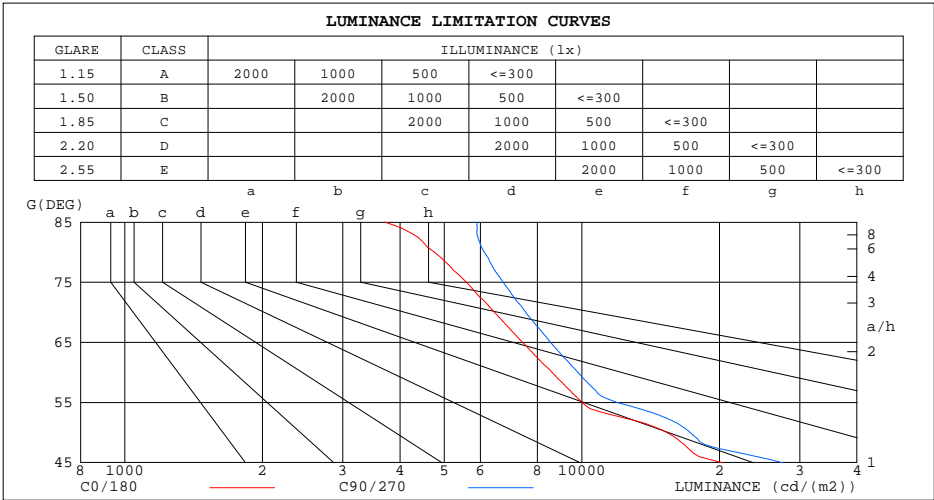
Humidity:65.0%

Test Distance:8.989m [K=1.0000]

Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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	3704	5903
80	4758	6120
75	5591	6729
70	6441	7541
65	7428	8547
60	8616	9806
55	10027	11972
50	15360	17279
45	20338	27484

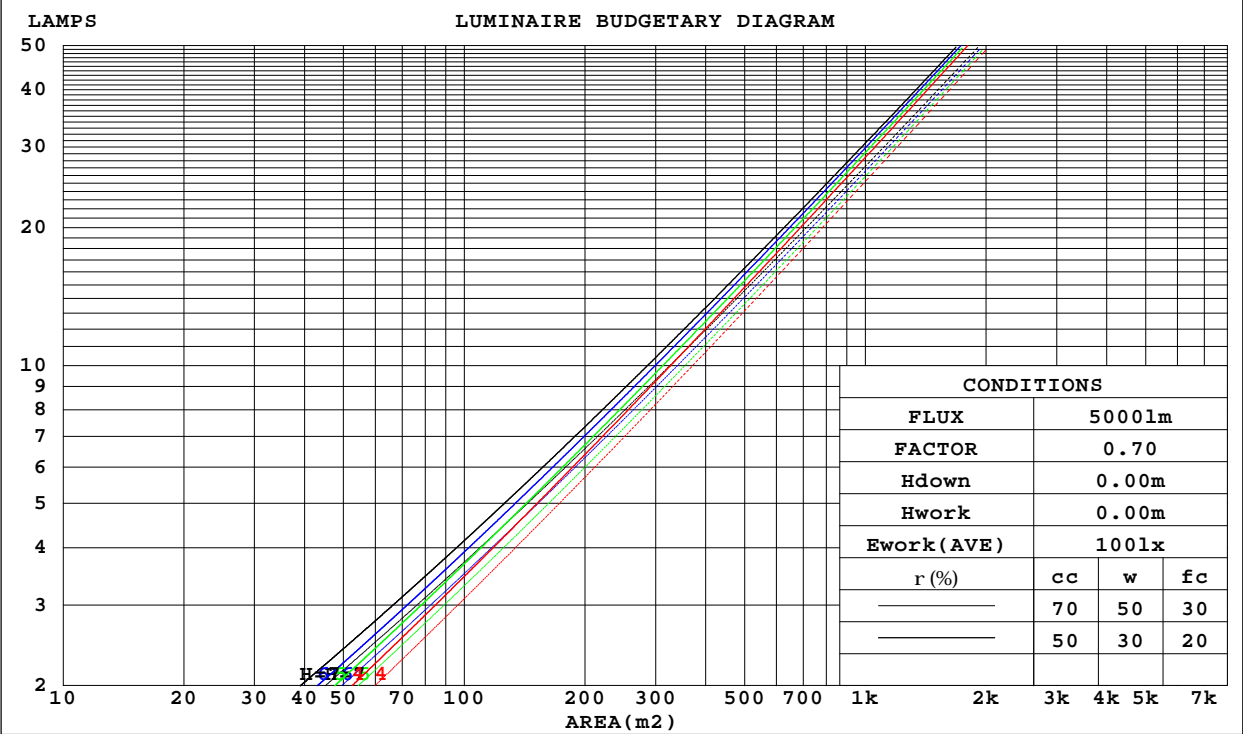
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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
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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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	.175	.099	.031	.168	.096	.030	.155	.089	.028	.144	.083	.027	.133	.077	.025	
2.0	.166	.091	.028	.160	.088	.027	.149	.083	.026	.140	.078	.025	.131	.074	.023	
3.0	.157	.083	.025	.152	.081	.024	.143	.077	.024	.134	.074	.023	.127	.070	.022	
4.0	.148	.077	.023	.144	.075	.022	.136	.072	.022	.129	.069	.021	.122	.067	.020	
5.0	.140	.072	.021	.137	.070	.020	.130	.068	.020	.124	.065	.019	.118	.063	.019	
6.0	.133	.067	.019	.130	.066	.019	.124	.064	.019	.119	.062	.018	.114	.060	.018	
7.0	.127	.063	.018	.124	.062	.018	.119	.060	.017	.114	.059	.017	.110	.057	.017	
8.0	.121	.059	.017	.119	.058	.017	.114	.057	.016	.110	.056	.016	.106	.054	.016	
9.0	.116	.056	.016	.114	.055	.016	.110	.054	.015	.106	.053	.015	.102	.052	.015	
10.0	.111	.053	.015	.109	.053	.015	.105	.052	.015	.102	.051	.014	.099	.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	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.122	.098	.078	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.123	.087	.061	.106	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.115	.078	.051	.099	.067	.044	.068	.047	.031	.040	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.061	.037	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.064	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.097	.058	.032	.084	.051	.028	.058	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.080	.047	.025	.055	.033	.017	.032	.019	.010	.010	.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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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	18.5	19.4	18.7	19.5	19.7	19.8	20.7	20.0	20.8	21.0	
	3H	18.6	19.4	18.9	19.6	19.8	19.9	20.7	20.1	20.9	
	4H	18.7	19.4	18.9	19.7	19.9	19.9	20.7	20.2	20.9	
	6H	18.7	19.4	19.0	19.7	19.9	19.9	20.7	20.2	20.9	
	8H	18.7	19.4	19.0	19.6	19.9	19.9	20.6	20.2	20.9	
	12H	18.6	19.3	19.0	19.6	19.9	19.9	20.6	20.2	20.9	
4H	2H	18.4	19.2	18.7	19.4	19.7	19.7	20.4	19.9	20.7	
	3H	18.7	19.3	19.0	19.6	19.9	19.8	20.5	20.1	20.8	
	4H	18.8	19.4	19.1	19.7	20.0	19.9	20.5	20.3	20.8	
	6H	18.8	19.4	19.2	19.7	20.1	20.0	20.5	20.4	20.9	
	8H	18.9	19.4	19.3	19.7	20.1	20.0	20.5	20.4	20.9	
	12H	18.9	19.3	19.3	19.7	20.1	20.0	20.5	20.4	20.9	
8H	4H	18.8	19.3	19.2	19.6	20.0	19.9	20.4	20.3	20.7	
	6H	18.9	19.3	19.3	19.7	20.1	20.0	20.4	20.4	20.8	
	8H	18.9	19.3	19.4	19.7	20.2	20.1	20.4	20.5	20.8	
	12H	19.0	19.3	19.4	19.7	20.2	20.1	20.4	20.6	20.9	
12H	4H	18.7	19.2	19.1	19.6	20.0	19.8	20.3	20.2	20.7	
	6H	18.9	19.2	19.3	19.7	20.1	20.0	20.3	20.4	20.8	
	8H	18.9	19.3	19.4	19.7	20.2	20.0	20.4	20.5	20.8	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.5 / - 2.2					+ 2.7 / - 3.2					
1.5H	+ 2.6 / - 1.9					+ 4.5 / - 2.9					
2.0H	+ 1.9 / - 1.2					+ 2.7 / - 1.2					

CIE Pub.117, 953.7 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.2)
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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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:

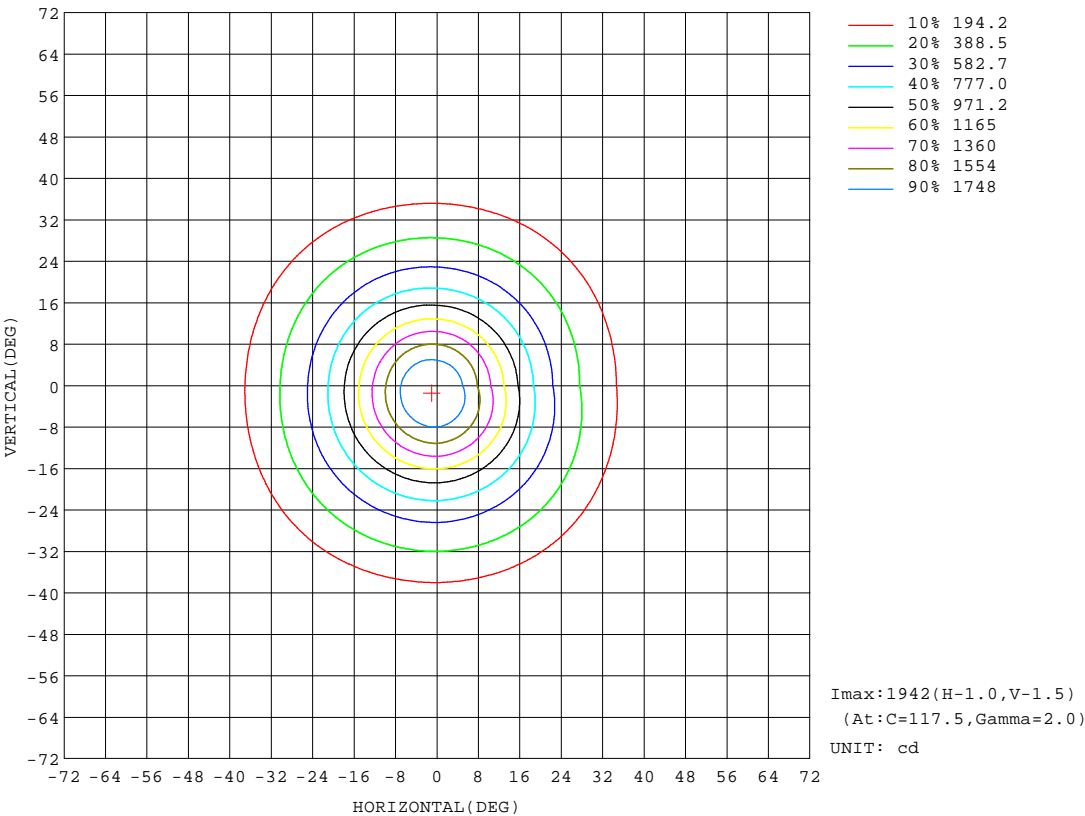
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	80	76	86	79	76	85	79	75	72
0.80	94	88	84	93	87	84	92	87	83	79
1.00	98	93	89	97	92	88	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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:



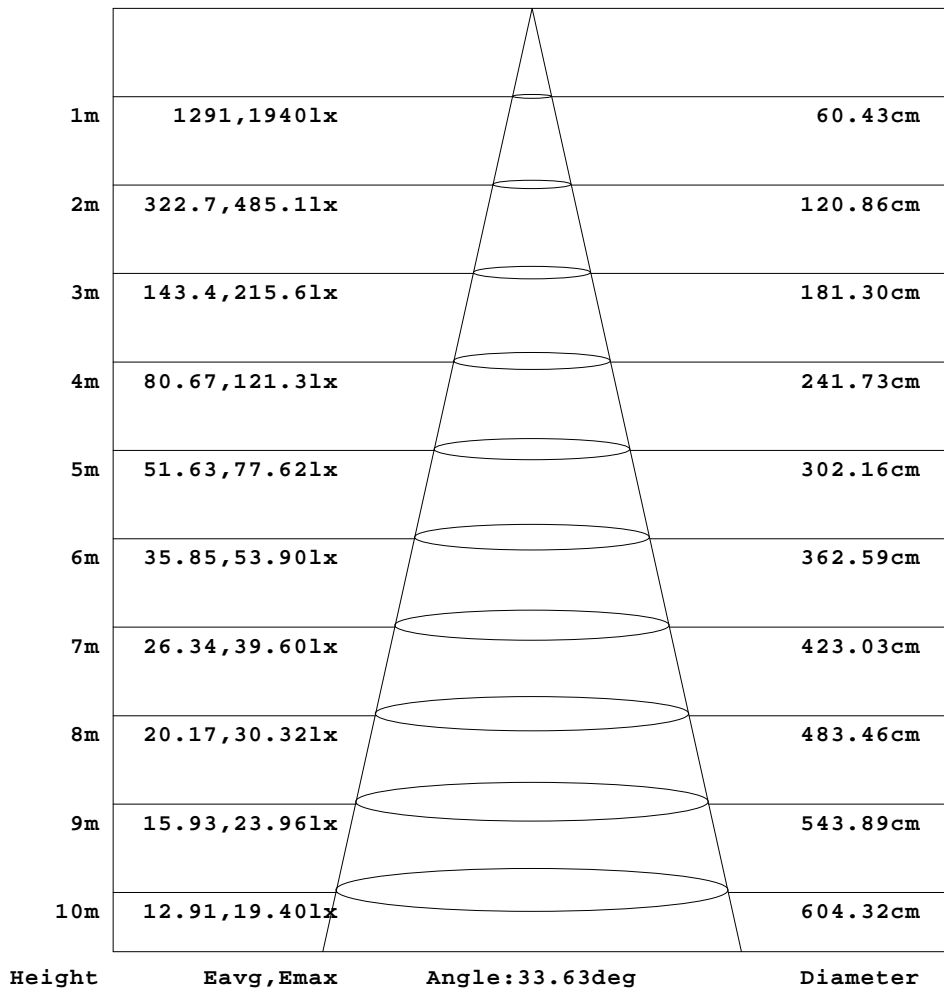
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:03 September 2024

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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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:379.0 lm



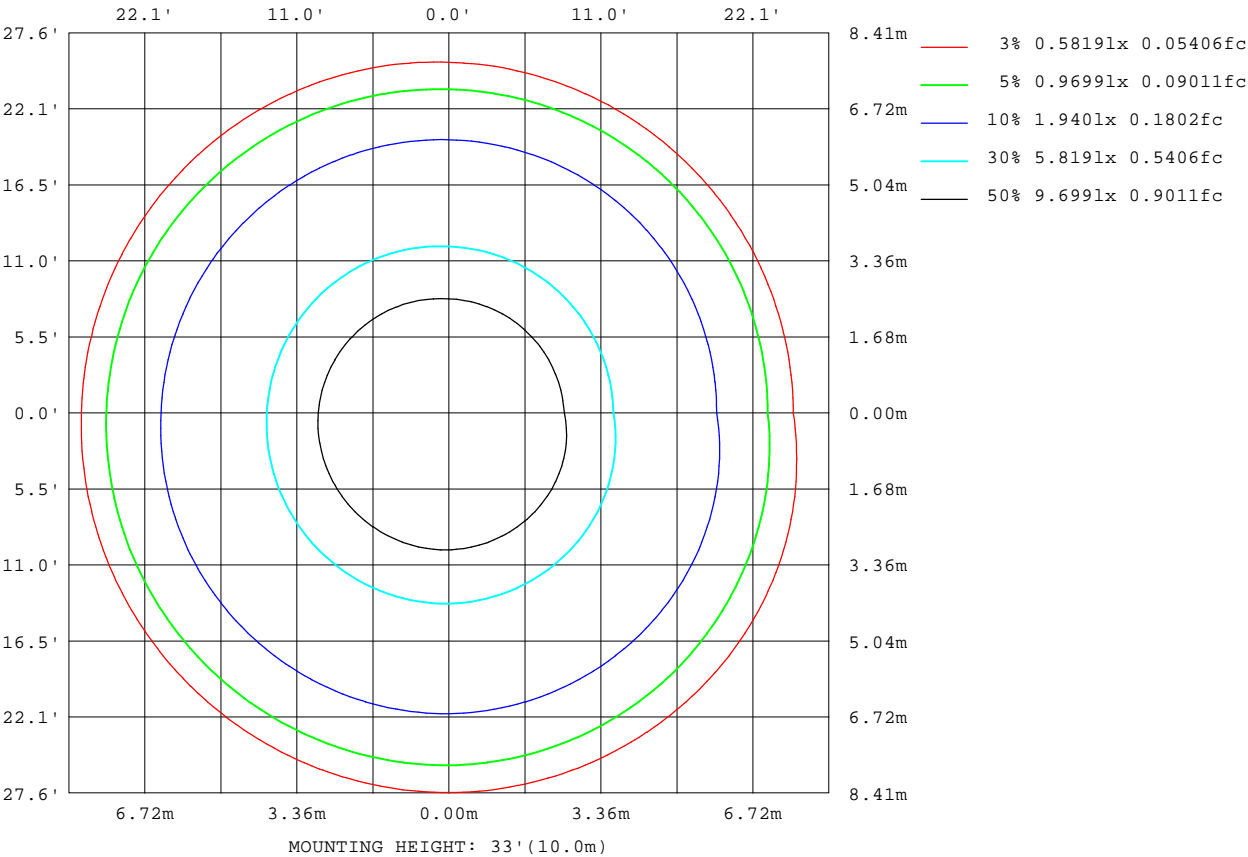
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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:230.90V I:0.0453A P:9.8930W PF:0.9468 Freq:0Hz Lamp Flux:953.697x1 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:

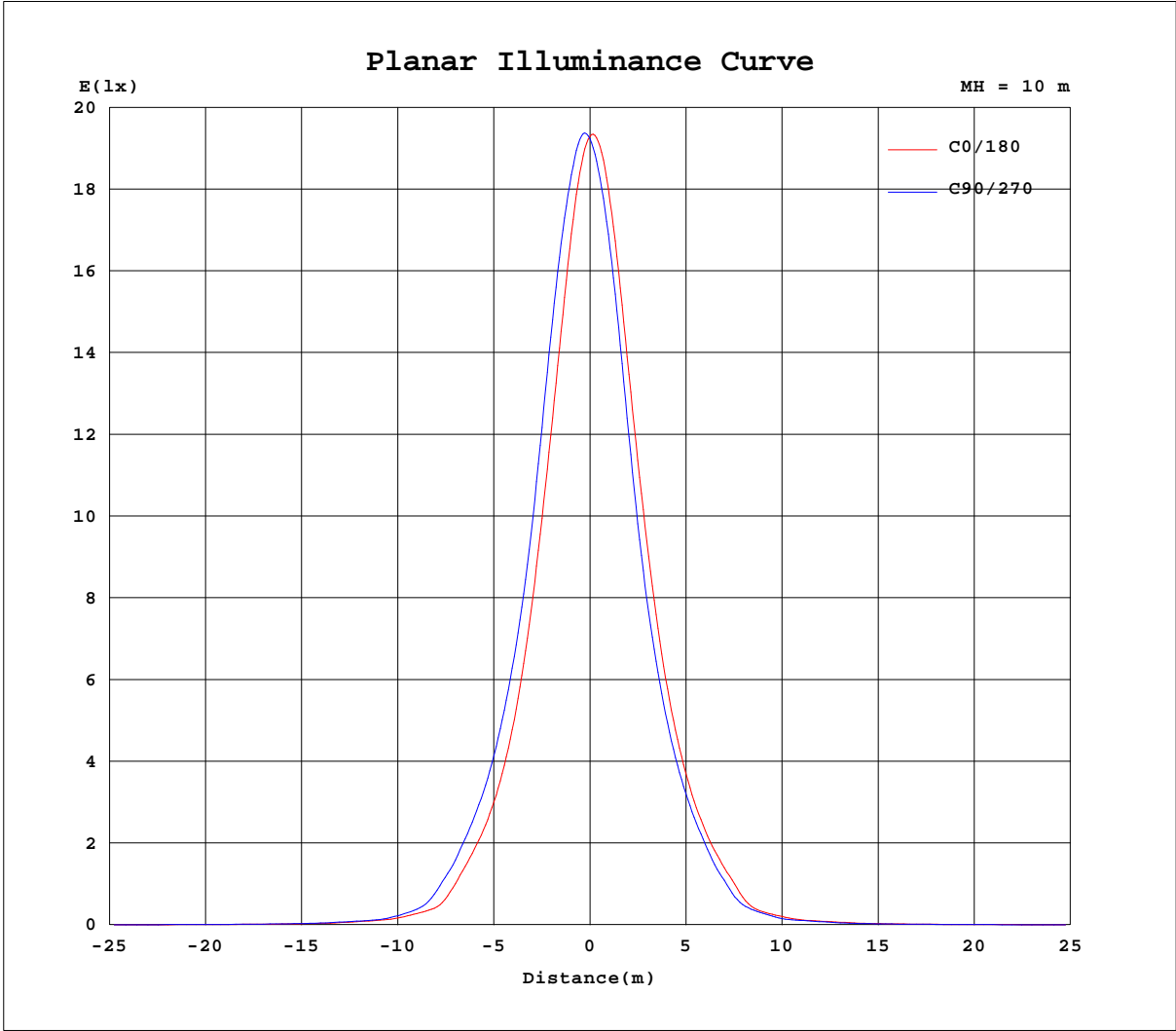
AvgL	cd/m2
L_0~180(65)av	7683
L_0~180(75)av	5881
L_0~180(85)av	4427
L_90~270(65)av	7781
L_90~270(75)av	5964
L_90~270(85)av	4576
L_45(65)av	7760
L_45(75)av	5951
L_45(85)av	4565

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:

