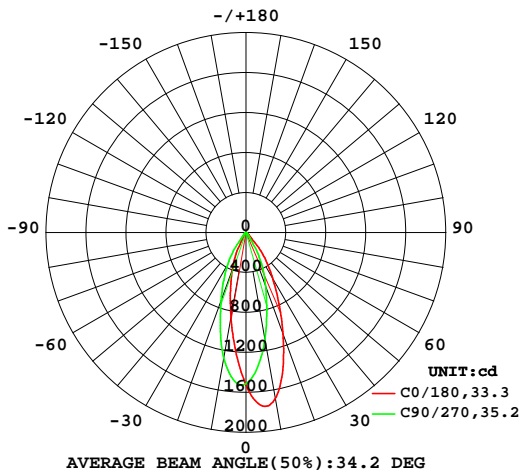


LUMINAIRE PHOTOMETRIC TEST REPORT

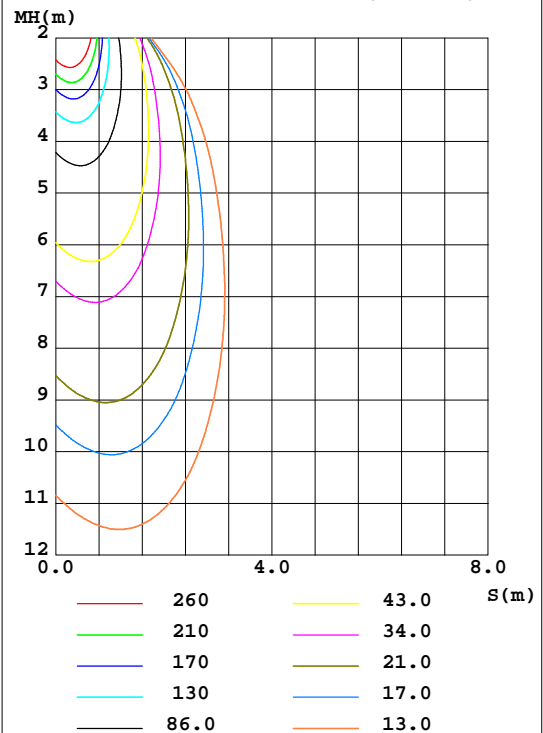
Test:U:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.31 lm/W			
MODEL	4000K	I _{max} (cd)	1751	S/MH(C0/180)	0.39
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	761.61	h UP,DN(C0-180)	0.0,46.1
NOMINAL FLUX(lm)	761.607	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,53.9
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:21 October 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:

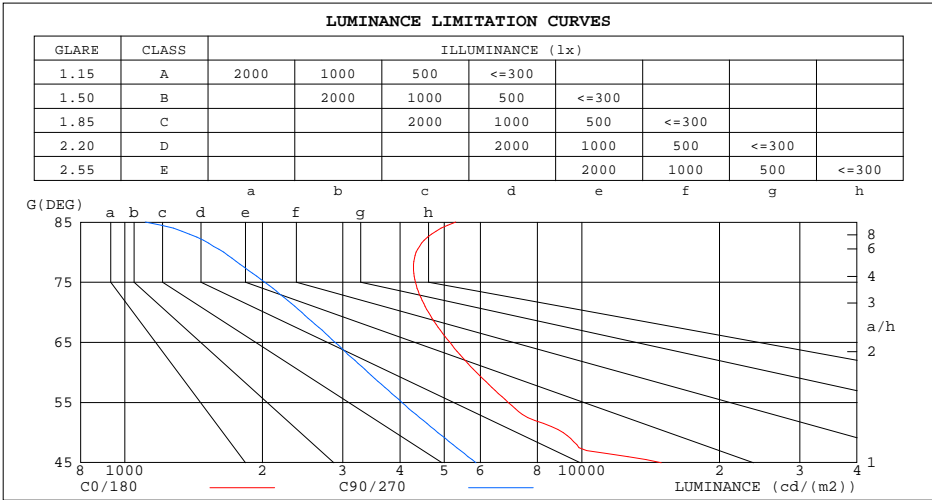
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1735	1516	1353	1232	1194	1309	1477	1609	0- 5	35.11	35.11	4.61,4.61
10	1689	1345	1094	917.8	867.6	1033	1278	1484	5- 10	93.82	128.9	16.9,16.9
15	1426	1065	807.1	642.1	603.6	760.3	996.2	1207	10- 15	126.1	255.0	33.5,33.5
20	1089	793.7	581.8	443.5	409.0	537.0	731.4	906.0	15- 20	131.1	386.1	50.7,50.7
25	784.8	567.9	404.8	280.5	240.0	358.7	529.9	661.7	20- 25	119.8	505.9	66.4,66.4
30	543.5	369.1	233.3	118.0	77.42	200.1	364.6	467.6	25- 30	95.15	601.1	78.9,78.9
35	367.4	191.3	77.98	30.60	39.67	108.0	201.8	284.2	30- 35	64.41	665.5	87.4,87.4
40	199.3	100.5	38.86	20.40	27.07	38.44	67.73	122.1	35- 40	36.40	701.9	92.2,92.2
45	67.05	42.38	26.36	19.73	20.26	26.32	36.92	50.30	40- 45	17.82	719.7	94.5,94.5
50	37.21	26.92	19.79	15.69	15.04	19.08	25.22	30.99	45- 50	11.38	731.1	96,96
55	25.18	19.13	14.75	11.74	11.02	14.30	18.85	22.20	50- 55	8.698	739.8	97.1,97.1
60	18.70	14.15	10.83	8.494	7.906	10.49	14.02	16.54	55- 60	6.792	746.6	98,98
65	13.83	10.33	7.759	5.898	5.405	7.473	10.28	12.22	60- 65	5.225	751.8	98.7,98.7
70	10.04	7.323	5.309	3.816	3.404	5.075	7.324	8.834	65- 70	3.879	755.7	99.2,99.2
75	7.121	4.935	3.332	2.171	1.873	3.204	4.985	6.175	70- 75	2.730	758.4	99.6,99.6
80	4.789	3.075	1.818	0.9094	0.6752	1.710	3.099	4.036	75- 80	1.767	760.2	99.8,99.8
85	2.939	1.562	0.6141	0.0620	0.0062	0.7111	1.653	2.341	80- 85	0.9766	761.2	99.9,99.9
90	1.533	0.5780	0.0062	0	0.0124	0.1587	0.4407	0.9039	85- 90	0.4288	761.6	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:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5303	1108
80	4337	1646
75	4327	2024
70	4619	2441
65	5145	2887
60	5881	3407
55	6905	4044
50	9105	4843
45	14913	5863

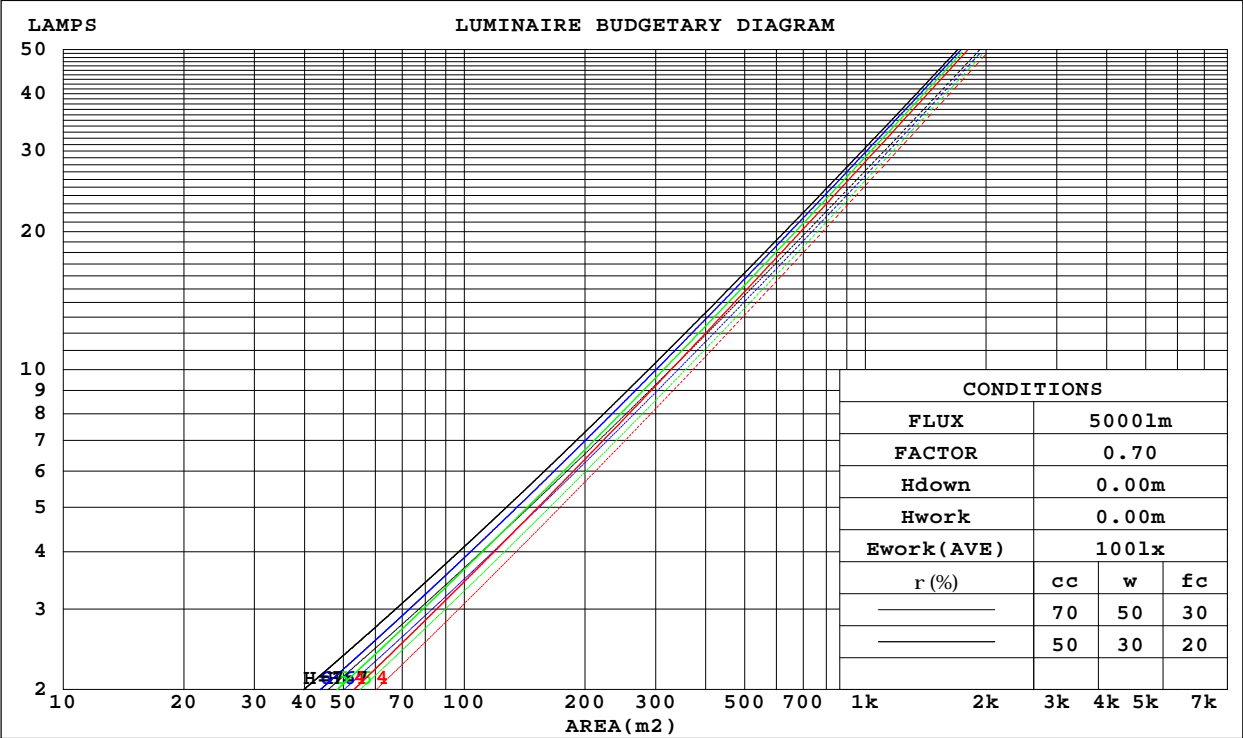
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	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:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	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	.173	.099	.031	.167	.095	.030	.154	.088	.028	.142	.082	.026	.132	.076	.025	
2.0	.164	.090	.028	.158	.087	.027	.148	.082	.026	.138	.077	.024	.129	.073	.023	
3.0	.155	.082	.025	.150	.080	.024	.141	.076	.023	.133	.073	.022	.125	.069	.021	
4.0	.146	.076	.022	.142	.074	.022	.134	.071	.021	.127	.068	.021	.121	.066	.020	
5.0	.139	.071	.020	.135	.069	.020	.128	.067	.020	.122	.064	.019	.116	.062	.019	
6.0	.132	.066	.019	.129	.065	.019	.123	.063	.018	.117	.061	.018	.112	.059	.018	
7.0	.125	.062	.018	.123	.061	.017	.117	.059	.017	.113	.058	.017	.108	.056	.017	
8.0	.120	.058	.016	.117	.058	.016	.113	.056	.016	.108	.055	.016	.104	.054	.016	
9.0	.114	.055	.015	.112	.055	.015	.108	.053	.015	.104	.052	.015	.101	.051	.015	
10.0	.110	.053	.015	.108	.052	.014	.104	.051	.014	.100	.050	.014	.097	.049	.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	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.131	.099	.074	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.105	.075	.053	.072	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.114	.077	.051	.098	.067	.044	.068	.047	.031	.039	.028	.019	.013	.009	.006	
7.0	.108	.070	.043	.093	.060	.038	.064	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.102	.063	.037	.088	.055	.032	.061	.039	.023	.035	.023	.014	.011	.007	.005	
9.0	.096	.058	.032	.083	.050	.028	.058	.035	.020	.034	.021	.012	.011	.007	.004	
10.0	.092	.054	.028	.079	.047	.025	.055	.033	.018	.032	.019	.010	.010	.006	.003	

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm											
NAME: 5RS425 Vshape反光杯					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	18.3	19.2	18.5	19.4	19.5	13.7	14.6	14.0	14.8	14.9	
	3H	18.5	19.3	18.7	19.5	19.7	14.0	14.8	14.3	15.0	15.2
	4H	18.5	19.3	18.8	19.5	19.7	14.1	14.9	14.4	15.1	15.3
	6H	18.6	19.3	18.9	19.6	19.8	14.1	14.9	14.4	15.1	15.3
	8H	18.6	19.3	18.9	19.6	19.9	14.1	14.8	14.4	15.1	15.3
	12H	18.7	19.4	19.0	19.6	19.9	14.1	14.8	14.4	15.0	15.3
4H	2H	18.2	19.0	18.5	19.2	19.4	13.9	14.7	14.2	14.9	15.1
	3H	18.4	19.1	18.7	19.3	19.6	14.3	15.0	14.6	15.2	15.5
	4H	18.5	19.1	18.9	19.4	19.7	14.5	15.1	14.8	15.4	15.7
	6H	18.7	19.2	19.0	19.5	19.9	14.6	15.1	15.0	15.5	15.8
	8H	18.7	19.3	19.1	19.6	20.0	14.6	15.1	15.0	15.4	15.8
	12H	18.8	19.3	19.2	19.7	20.1	14.6	15.0	15.0	15.4	15.8
8H	4H	18.5	19.0	18.8	19.3	19.7	14.6	15.1	15.0	15.4	15.8
	6H	18.7	19.1	19.1	19.5	19.9	14.8	15.2	15.2	15.6	16.0
	8H	18.8	19.1	19.2	19.6	20.0	14.8	15.2	15.3	15.6	16.1
	12H	18.9	19.2	19.4	19.7	20.1	14.9	15.2	15.3	15.6	16.1
12H	4H	18.4	18.9	18.8	19.2	19.6	14.6	15.0	15.0	15.4	15.8
	6H	18.6	19.0	19.1	19.4	19.8	14.8	15.2	15.2	15.6	16.0
	8H	18.8	19.1	19.2	19.5	20.0	14.9	15.2	15.4	15.6	16.1
Variations with the observer position at spacings:											
S = 1.0H	+ 3.5 / - 3.4					+ 1.1 / - 1.3					
1.5H	+ 5.7 / - 3.3					+ 1.8 / - 1.2					
2.0H	+ 2.9 / - 1.0					+ 1.0 / - 1.1					

CIE Pub.117, 761.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.9)
Area: 0.0063585 m2

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

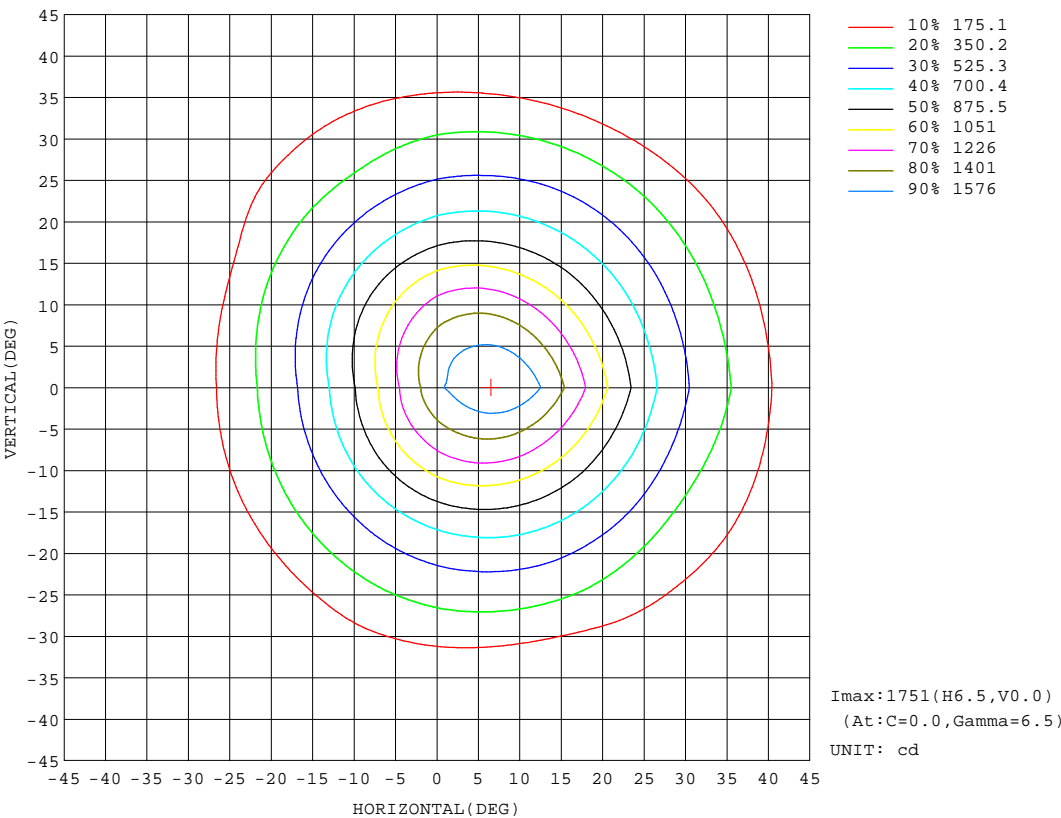
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	87	80	76	86	80	76	85	80	76	73
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	102	97	93	100	96	93	88
1.50	105	100	97	104	100	97	102	98	95	91
2.00	108	104	101	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	107	104	106	104	102	95
4.00	114	111	108	112	109	107	108	106	104	97
5.00	115	113	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:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



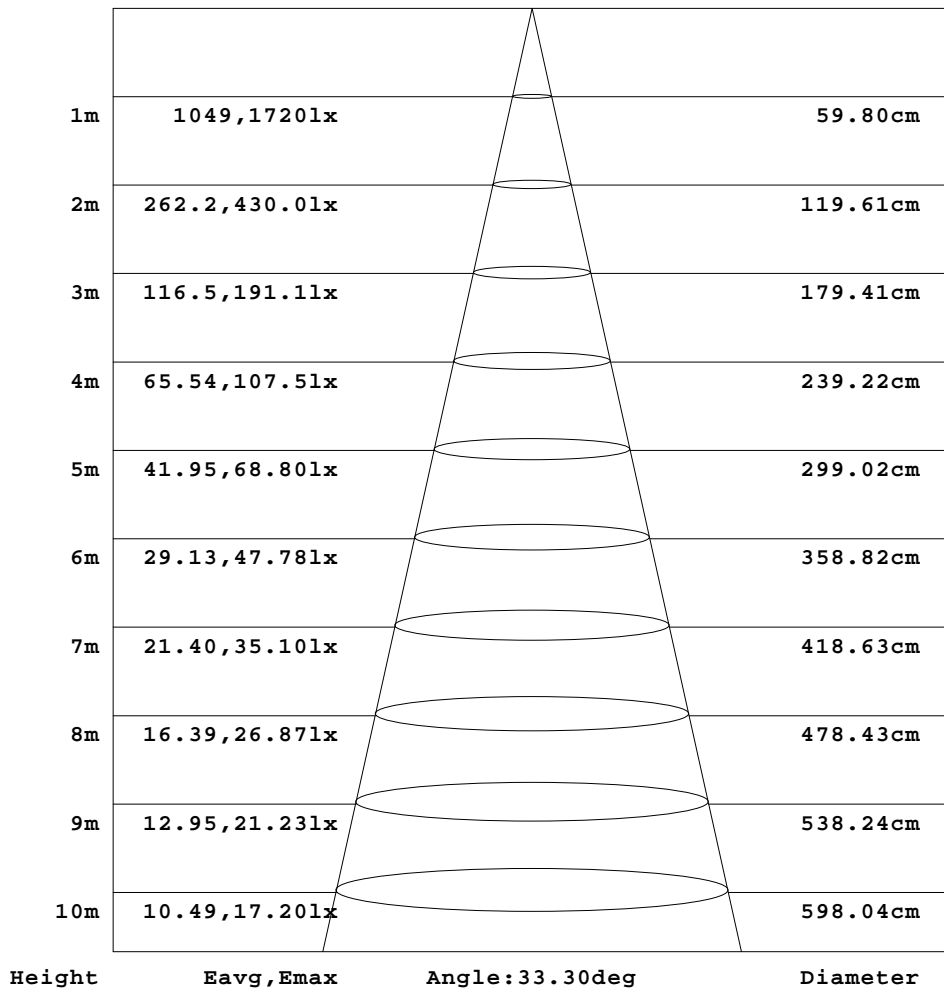
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:307.9 lm



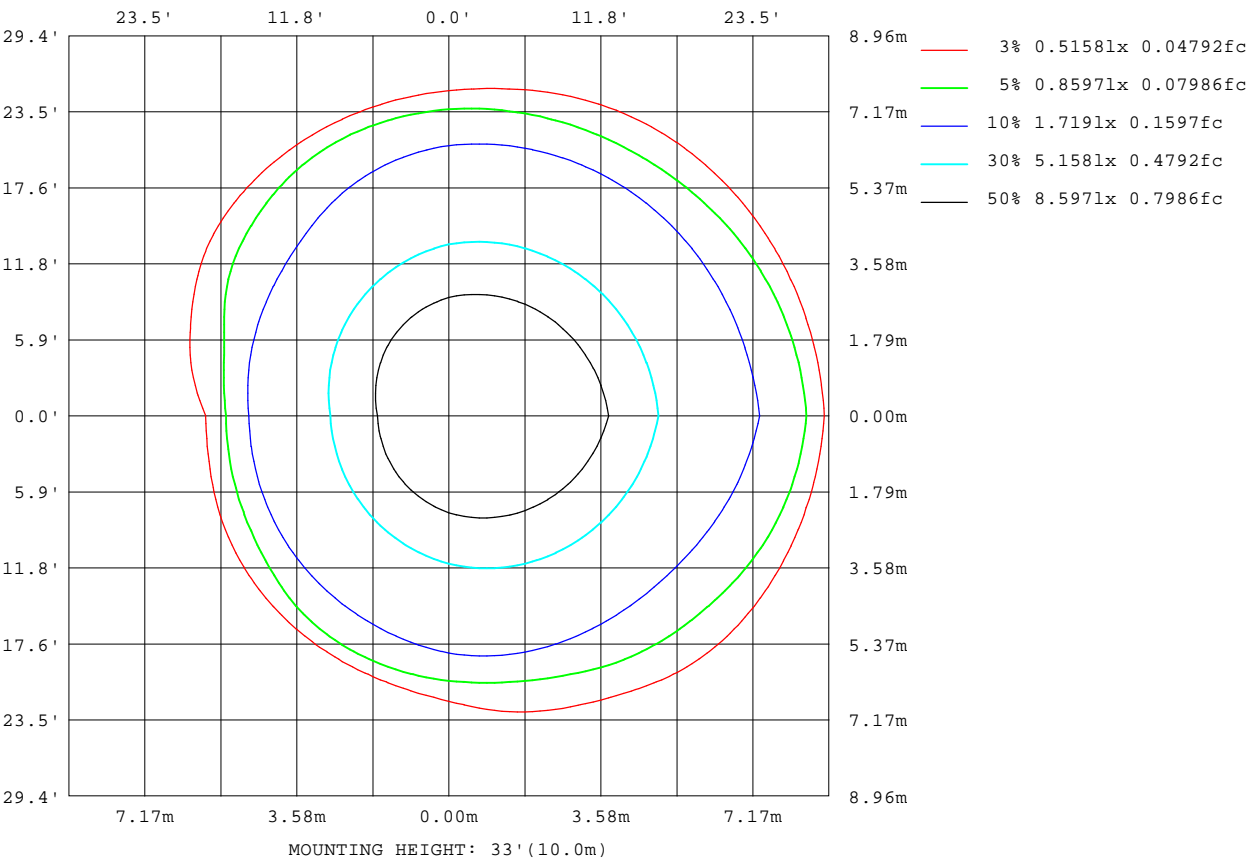
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	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:21 October 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:230.98V I:0.0367A P:8.0755W PF:0.9524 Freq:49.99Hz Lamp Flux:761.607x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

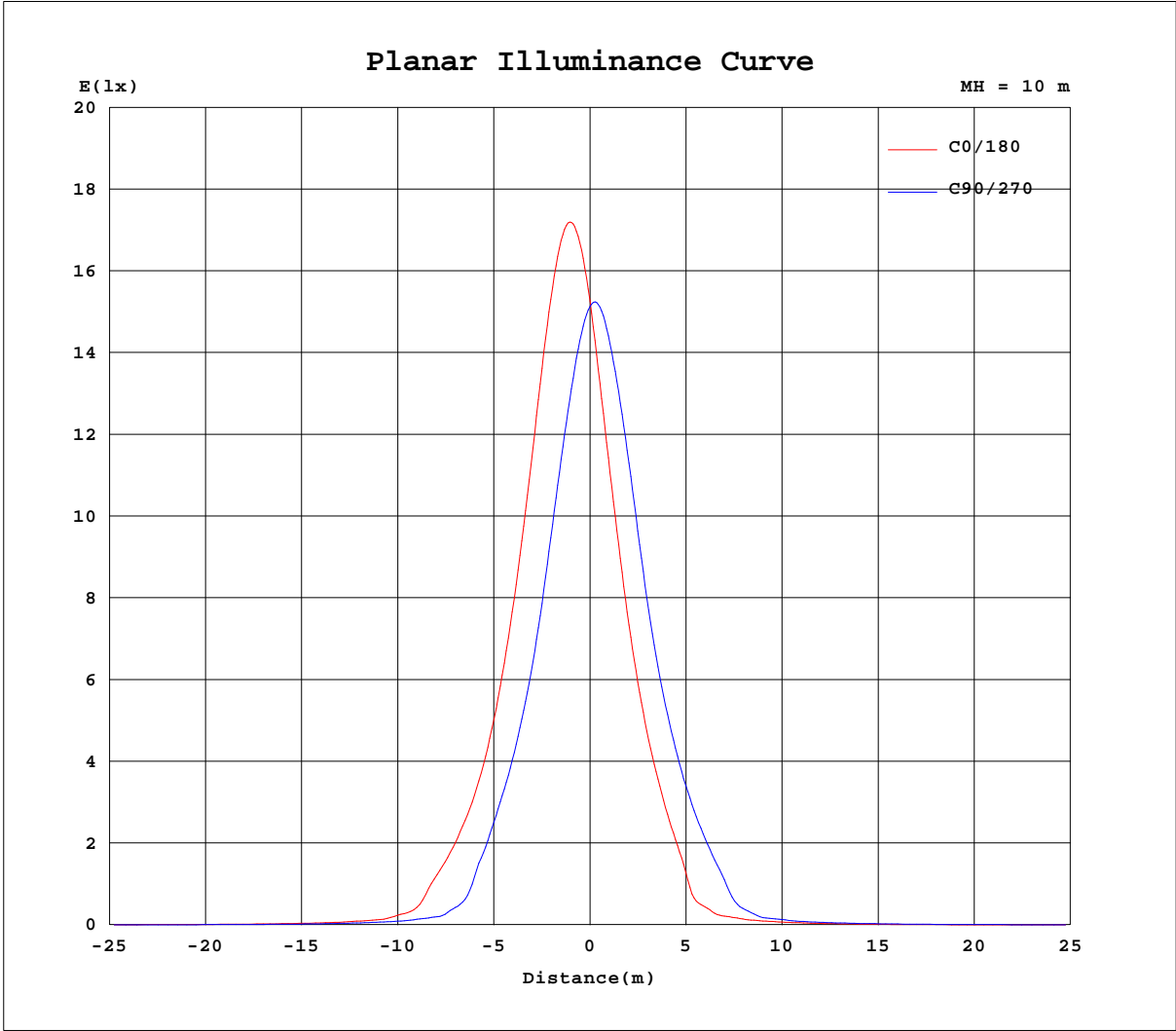
AvgL	cd/m2
L_0~180(65)av	3578
L_0~180(75)av	2733
L_0~180(85)av	2657
L_90~270(65)av	3356
L_90~270(75)av	2527
L_90~270(85)av	2045
L_45(65)av	3342
L_45(75)av	2504
L_45(85)av	2109

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 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:21 October 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:

