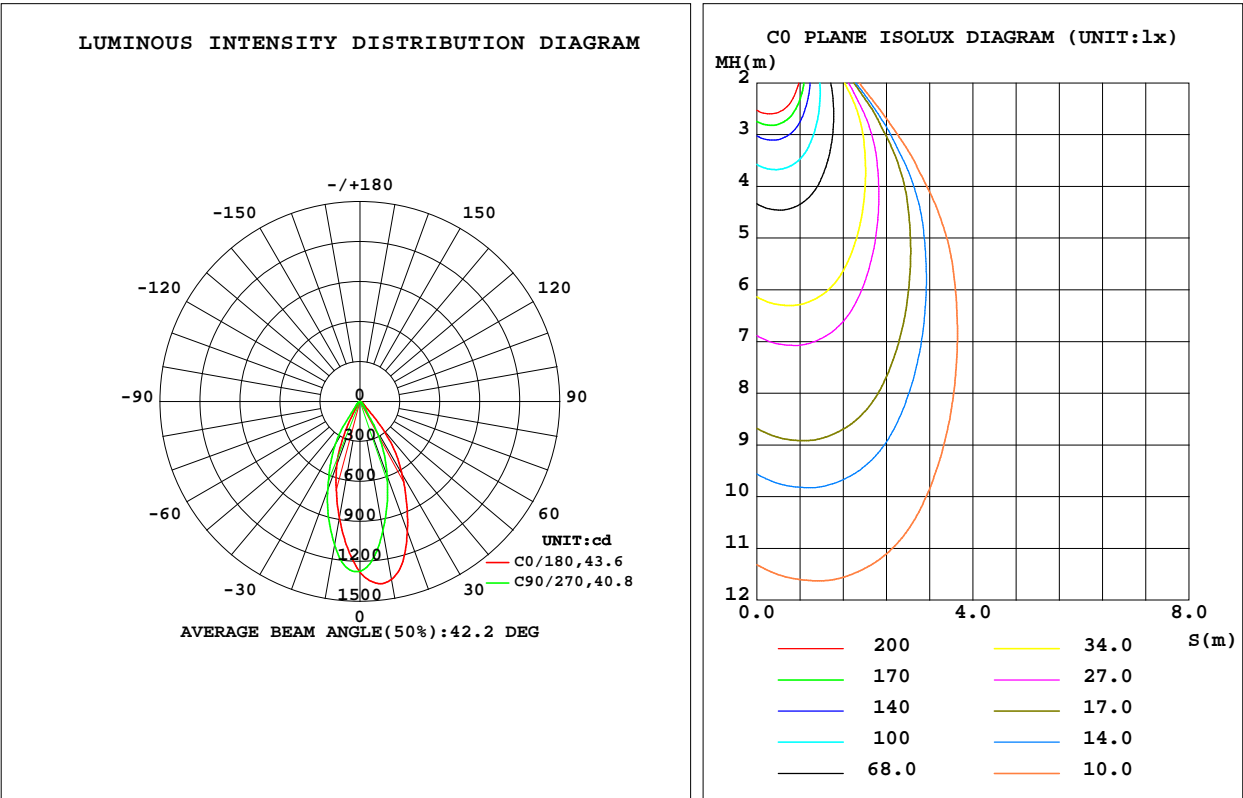


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.61 lm/W
MODEL	2700K	I <sub>max</sub> (cd)	1376	S/MH(C0/180)	0.52	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.69	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	766.56	h UP,DN(C0-180)	0.0,46.9	
NOMINAL FLUX(lm)	766.556	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,53.1	
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	



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:

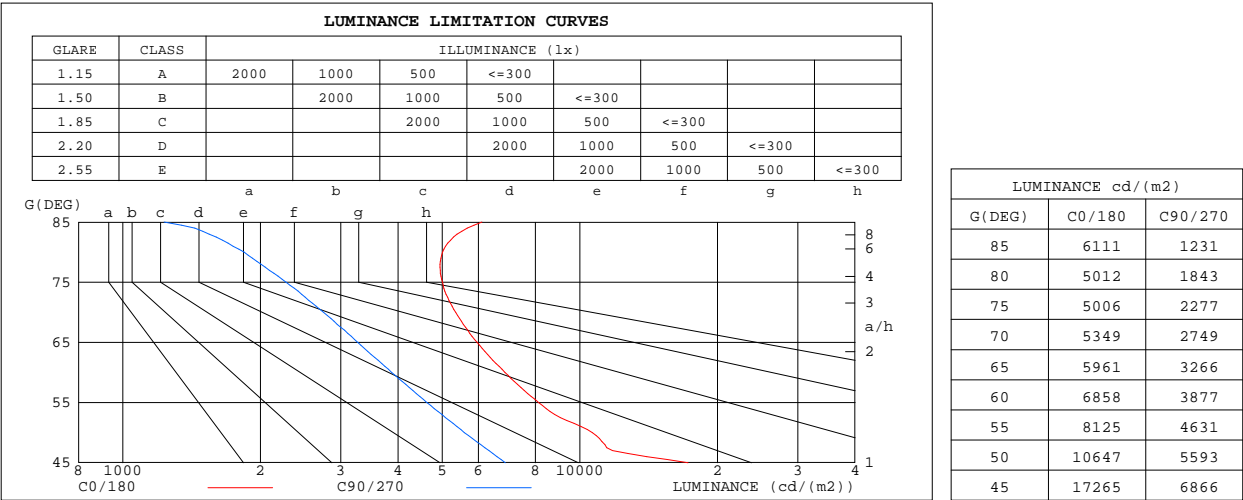
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1366	1258	1178	1118	1100	1160	1244	1308	0- 5	29.73	29.73	3.88,3.88
10	1356	1139	988.3	903.4	890.2	970.6	1096	1219	5- 10	81.43	111.2	14.5,14.5
15	1243	974.2	792.3	699.2	689.9	772.7	910.0	1062	10- 15	115.3	226.5	29.5,29.5
20	1042	775.0	598.2	516.8	515.4	588.0	712.2	860.5	15- 20	129.8	356.3	46.5,46.5
25	828.4	596.4	431.3	327.5	301.7	388.2	528.3	669.2	20- 25	125.3	481.6	62.8,62.8
30	633.2	400.8	234.8	126.6	101.8	211.6	370.8	502.8	25- 30	103.2	584.8	76.3,76.3
35	461.3	226.9	79.70	31.34	47.18	93.55	179.2	301.5	30- 35	70.04	654.9	85.4,85.4
40	258.7	127.5	46.08	24.11	32.96	37.03	66.74	143.0	35- 40	40.78	695.6	90.7,90.7
45	77.63	49.20	30.87	23.57	24.47	31.32	43.27	58.50	40- 45	22.36	718.0	93.7,93.7
50	43.52	31.19	22.86	18.51	18.14	22.51	29.26	35.99	45- 50	13.26	731.3	95.4,95.4
55	29.63	22.12	16.89	13.76	13.28	16.77	21.70	25.72	50- 55	10.16	741.4	96.7,96.7
60	21.80	16.23	12.33	9.935	9.538	12.24	16.02	19.00	55- 60	7.884	749.3	97.7,97.7
65	16.02	11.77	8.777	6.885	6.541	8.701	11.68	13.95	60- 65	6.033	755.3	98.5,98.5
70	11.63	8.329	5.979	4.446	4.142	5.904	8.311	10.08	65- 70	4.466	759.8	99.1,99.1
75	8.239	5.617	3.747	2.515	2.263	3.688	5.624	7.025	70- 75	3.133	762.9	99.5,99.5
80	5.534	3.495	2.035	1.062	0.8550	1.964	3.478	4.577	75- 80	2.022	765.0	99.8,99.8
85	3.386	1.782	0.6824	0.0568	0	0.7838	1.845	2.654	80- 85	1.112	766.1	99.9,99.9
90	1.757	0.6634	0.0062	0	0	0.1691	0.4966	1.031	85- 90	0.4856	766.6	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

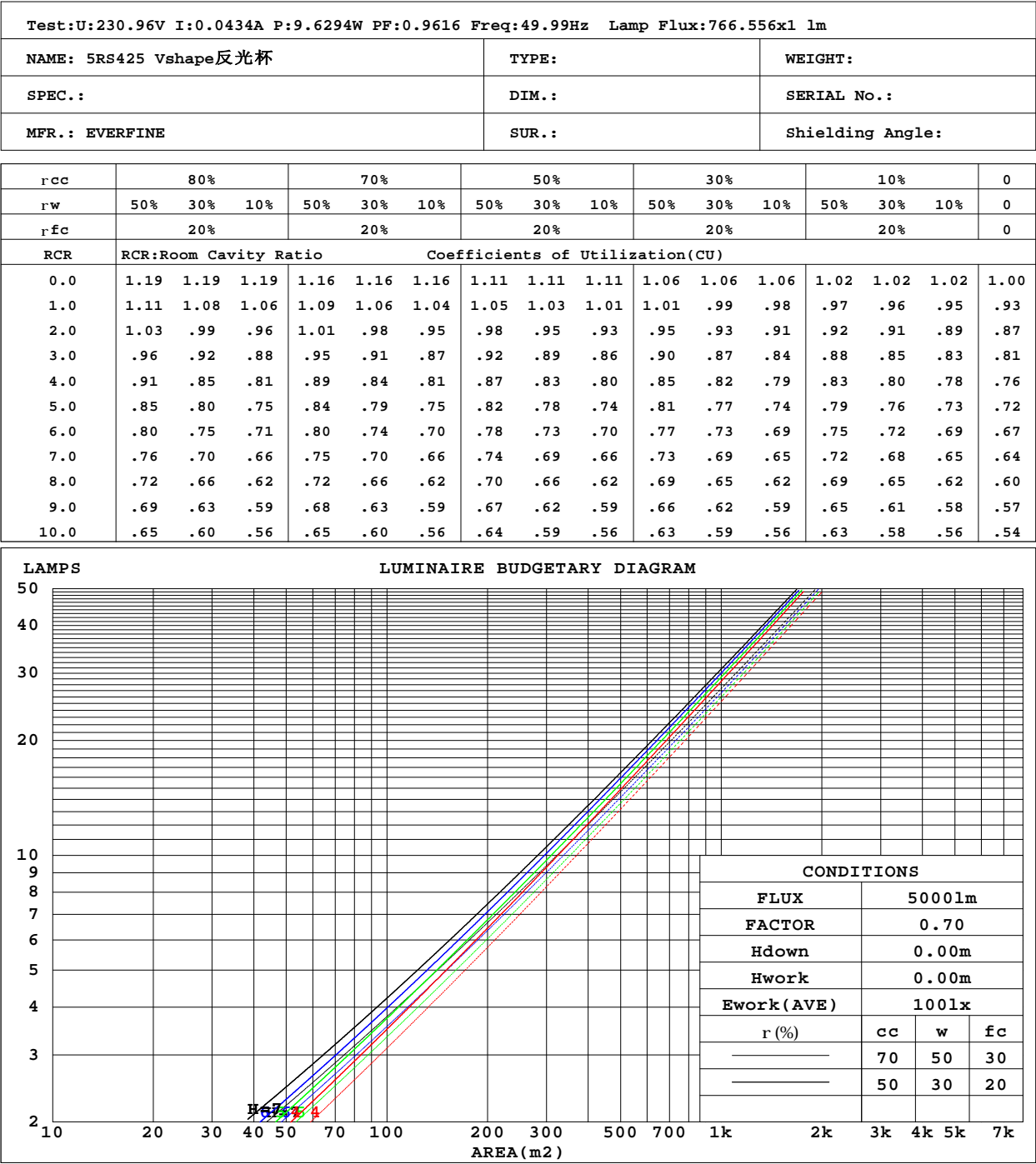
Test:U:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM



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:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 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	.179	.102	.032	.172	.098	.031	.159	.091	.029	.148	.085	.027	.137	.080	.026	
2.0	.170	.093	.029	.164	.090	.028	.153	.085	.026	.144	.081	.025	.135	.076	.024	
3.0	.160	.085	.026	.156	.083	.025	.147	.079	.024	.138	.076	.023	.130	.072	.022	
4.0	.152	.079	.023	.148	.077	.023	.140	.074	.022	.133	.071	.021	.126	.068	.021	
5.0	.144	.073	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	.121	.065	.019	
6.0	.137	.068	.020	.133	.067	.019	.128	.065	.019	.122	.063	.019	.117	.062	.018	
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.113	.058	.017	
8.0	.124	.061	.017	.122	.060	.017	.117	.058	.017	.113	.057	.016	.108	.056	.016	
9.0	.119	.057	.016	.116	.057	.016	.112	.056	.016	.108	.054	.016	.105	.053	.015	
10.0	.114	.054	.015	.112	.054	.015	.108	.053	.015	.104	.052	.015	.101	.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	.133	.113	.134	.114	.098	.092	.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	.133	.099	.073	.114	.085	.063	.078	.060	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.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	.104	.064	.037	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.098	.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: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:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 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	19.8	20.7	20.0	20.9	21.0	14.7	15.6	14.9	15.8	15.9
3H	19.9	20.7	20.1	20.9	21.1	14.9	15.8	15.2	16.0	16.2
4H	19.9	20.7	20.2	20.9	21.2	15.0	15.8	15.3	16.0	16.2
6H	20.0	20.7	20.3	21.0	21.2	15.0	15.8	15.3	16.0	16.3
8H	20.0	20.7	20.3	21.0	21.3	15.0	15.8	15.3	16.0	16.3
12H	20.0	20.7	20.4	21.0	21.3	15.0	15.7	15.3	16.0	16.2
4H 2H	19.6	20.4	19.9	20.6	20.9	14.8	15.6	15.1	15.8	16.1
3H	19.8	20.5	20.1	20.7	21.0	15.2	15.9	15.5	16.2	16.5
4H	19.9	20.5	20.2	20.8	21.1	15.4	16.0	15.7	16.3	16.6
6H	20.0	20.6	20.4	20.9	21.2	15.5	16.0	15.9	16.4	16.7
8H	20.1	20.6	20.5	20.9	21.3	15.5	16.0	15.9	16.4	16.7
12H	20.1	20.6	20.6	21.0	21.4	15.5	16.0	15.9	16.3	16.7
8H 4H	19.8	20.3	20.2	20.7	21.0	15.5	16.0	15.9	16.3	16.7
6H	20.0	20.4	20.4	20.8	21.2	15.7	16.1	16.1	16.5	16.9
8H	20.1	20.5	20.5	20.9	21.3	15.7	16.1	16.2	16.5	17.0
12H	20.2	20.5	20.7	21.0	21.4	15.7	16.1	16.2	16.5	17.0
12H 4H	19.8	20.2	20.2	20.6	21.0	15.5	15.9	15.9	16.3	16.7
6H	19.9	20.3	20.4	20.7	21.2	15.7	16.1	16.1	16.5	16.9
8H	20.1	20.4	20.5	20.8	21.3	15.8	16.1	16.2	16.5	17.0
Variations with the observer position at spacings:										
S = 1.0H	+ 3.7 / - 3.8					+ 1.5 / - 1.5				
1.5H	+ 6.0 / - 3.6					+ 1.9 / - 1.3				
2.0H	+ 2.9 / - 1.1					+ 1.0 / - 1.1				

CIE Pub.117, 766.6 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:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

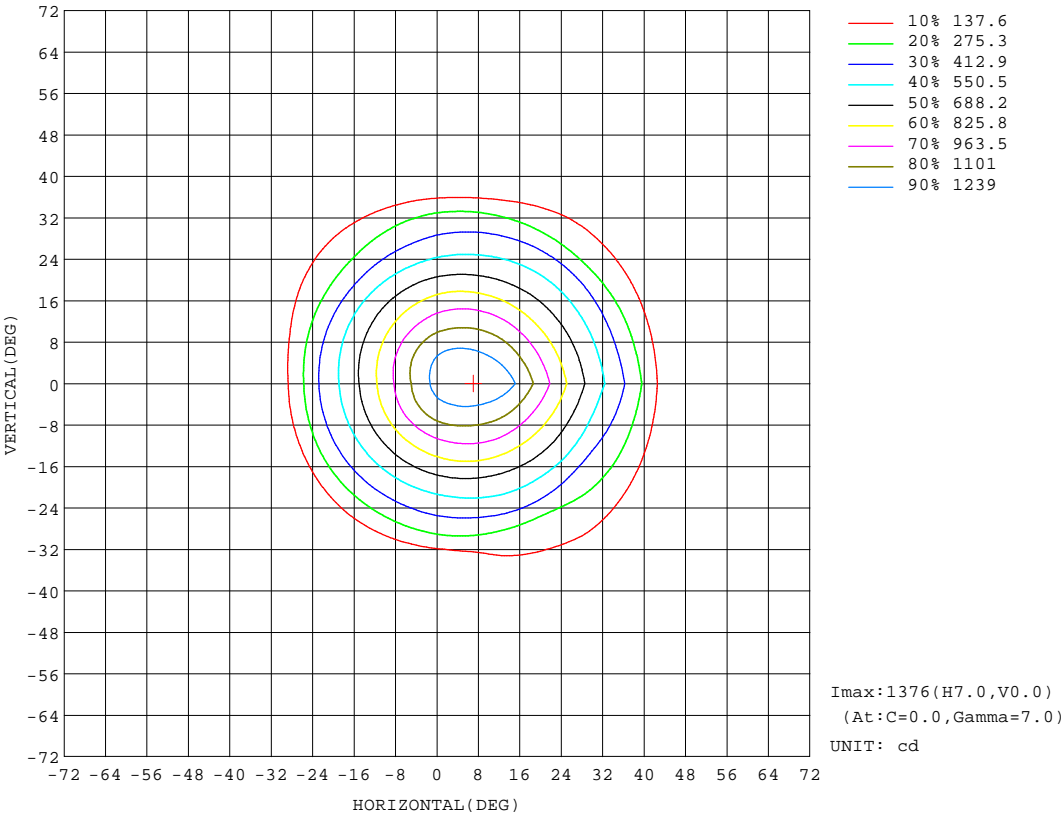
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	92	88	95	92	87	83
1.25	102	97	93	101	96	93	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: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:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 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

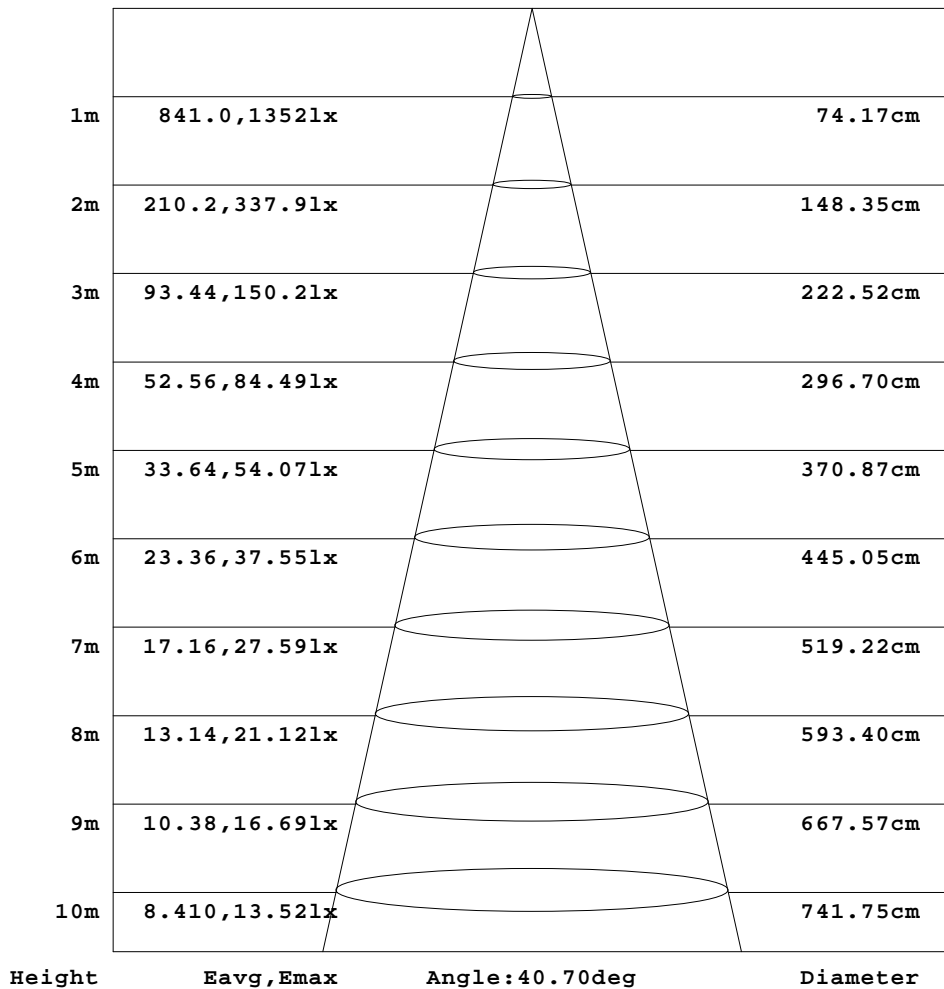
g Range: 0 - 90DEG  
Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:369.3 lm



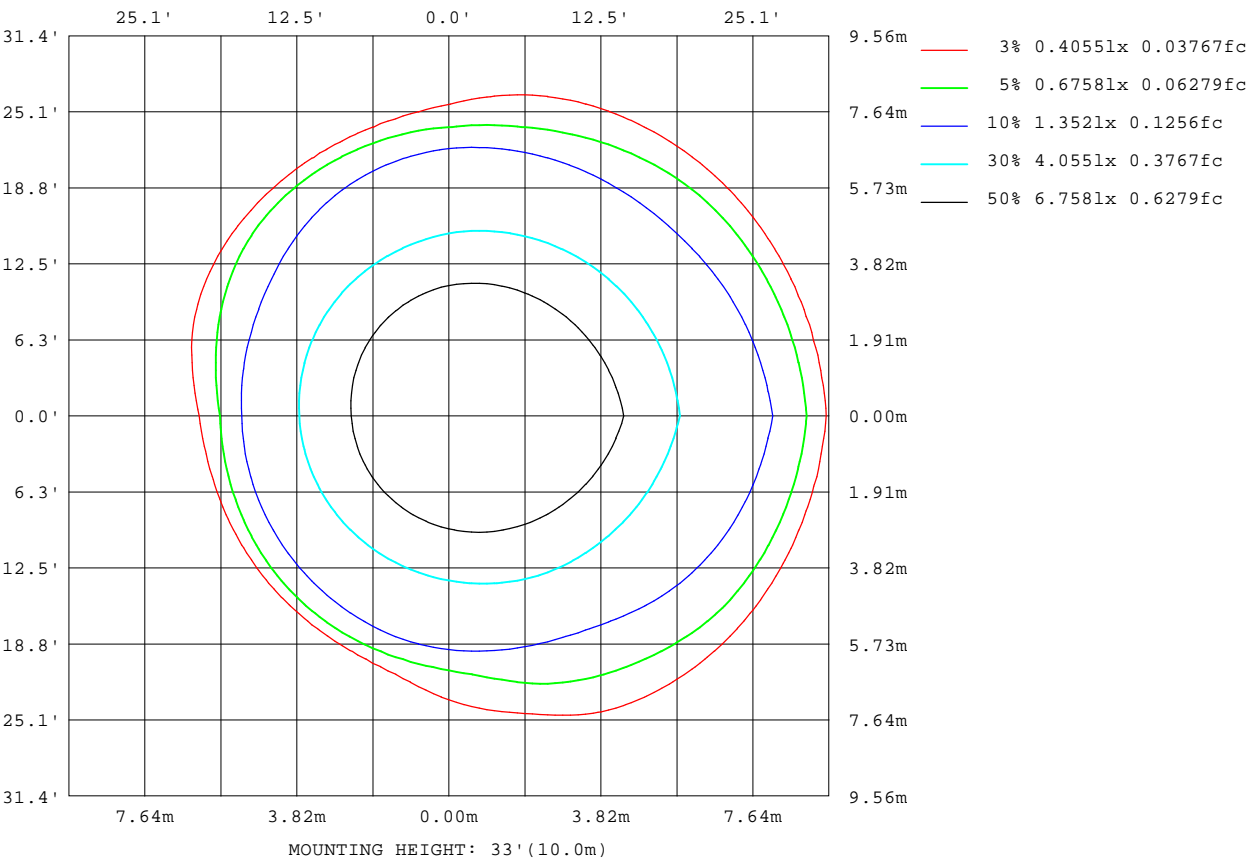
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 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:230.96V I:0.0434A P:9.6294W PF:0.9616 Freq:49.99Hz Lamp Flux:766.556x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

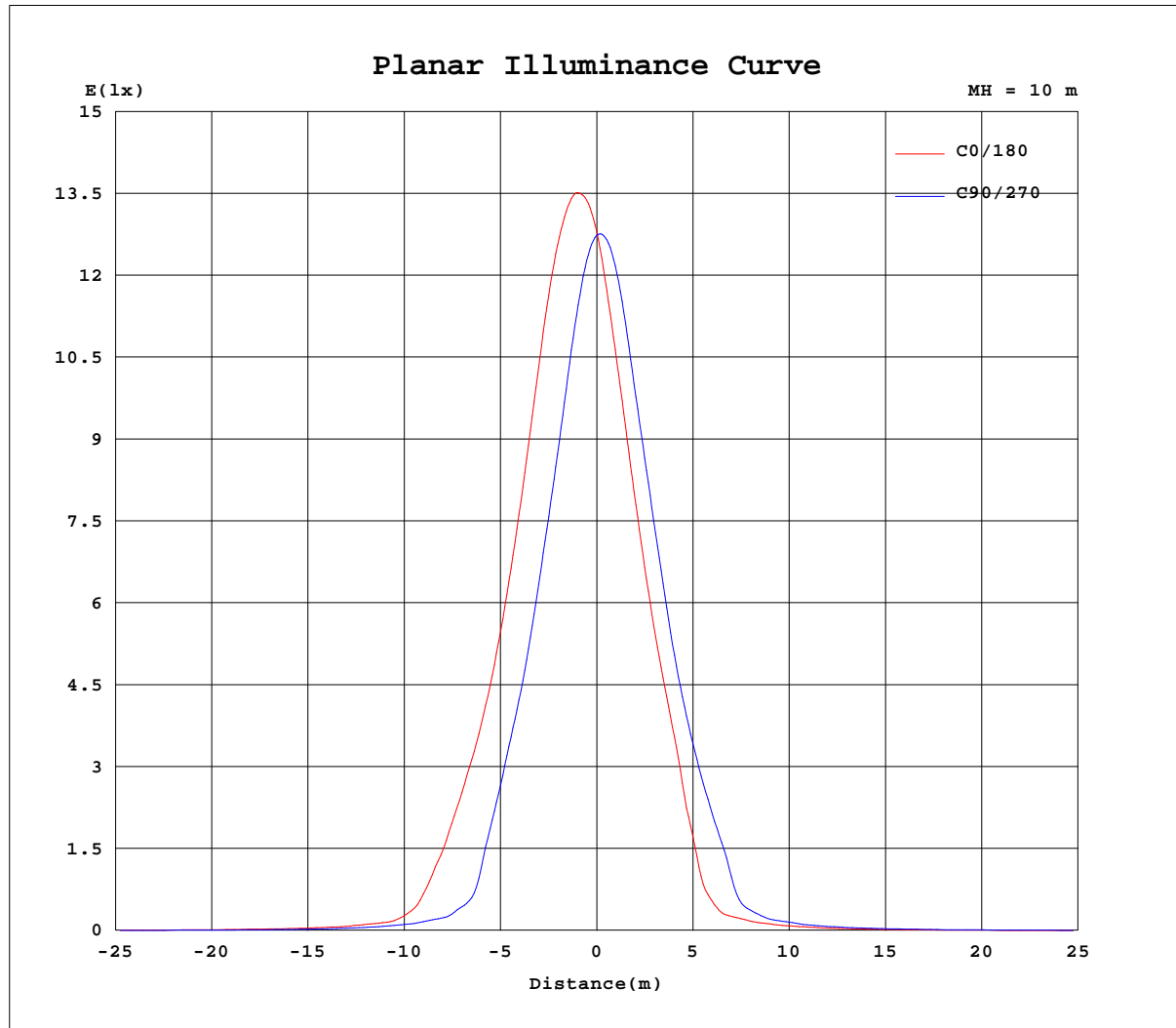
AvgL	cd/m2
L_0~180(65)av	4198
L_0~180(75)av	3191
L_0~180(85)av	3055
L_90~270(65)av	3807
L_90~270(75)av	2847
L_90~270(85)av	2281
L_45(65)av	3843
L_45(75)av	2863
L_45(85)av	2380

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:

















