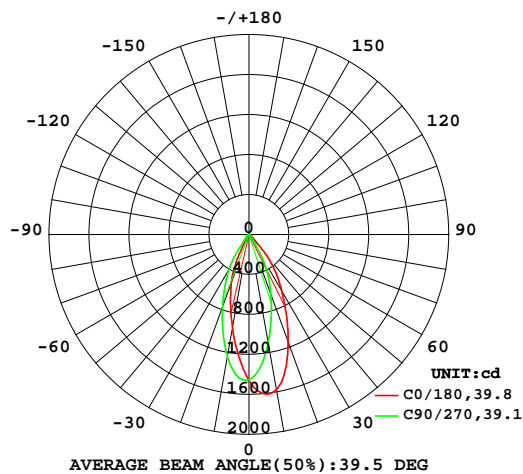


LUMINAIRE PHOTOMETRIC TEST REPORT

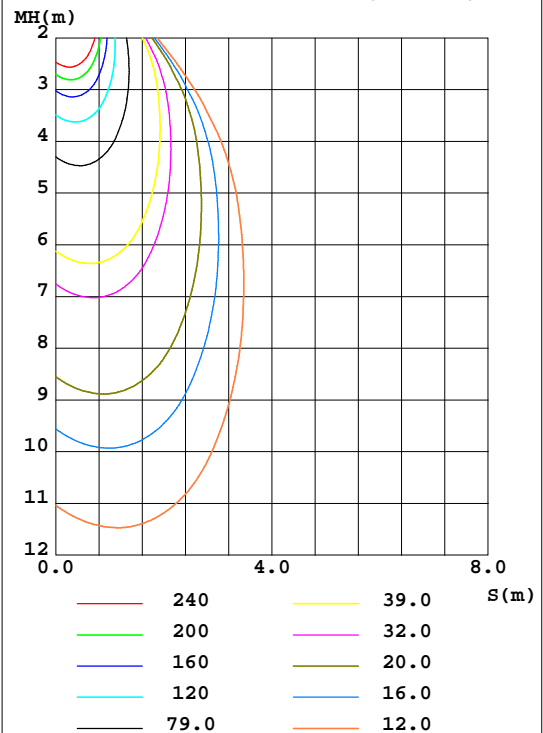
Test:U:230.98V I:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 85.48 lm/W			
MODEL	3000K	I _{max} (cd)	1607	S/MH(C0/180)	0.48
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.67
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	828.98	h UP,DN(C0-180)	0.0,46.7
NOMINAL FLUX(lm)	828.983	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,53.3
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	0.65

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:

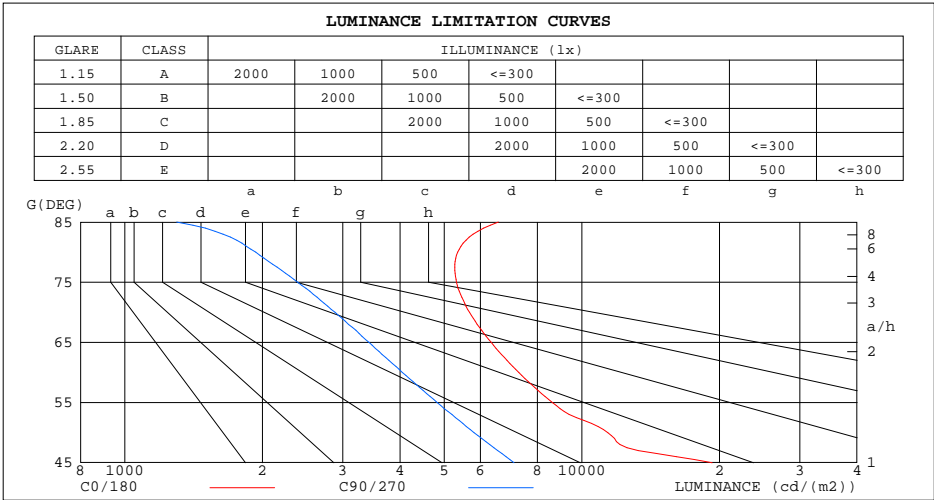
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1594	1444	1330	1244	1216	1299	1418	1509	0- 5	33.84	33.84	4.08,4.08
10	1576	1300	1104	982.0	954.9	1067	1241	1402	5- 10	91.95	125.8	15.2,15.2
15	1408	1086	863.9	739.0	718.7	831.1	1011	1197	10- 15	128.3	254.1	30.6,30.6
20	1149	849.4	645.1	537.1	523.9	620.1	777.9	949.0	15- 20	141.2	395.2	47.7,47.7
25	888.0	640.8	459.7	333.6	295.6	404.3	572.9	725.7	20- 25	134.0	529.2	63.8,63.8
30	660.8	423.7	250.6	129.1	96.64	222.1	399.5	535.3	25- 30	108.6	637.8	76.9,76.9
35	474.7	235.9	85.20	32.83	47.67	102.0	195.9	319.0	30- 35	73.61	711.5	85.8,85.8
40	275.1	134.6	47.44	23.58	33.03	38.86	71.90	153.0	35- 40	43.04	754.5	91,91
45	86.73	53.40	31.94	23.60	24.64	31.67	44.86	63.09	40- 45	23.64	778.1	93.9,93.9
50	46.59	33.01	23.76	18.83	18.28	23.00	30.43	38.01	45- 50	13.97	792.1	95.5,95.5
55	31.45	23.32	17.60	14.05	13.38	17.19	22.64	27.10	50- 55	10.62	802.7	96.8,96.8
60	23.13	17.13	12.88	10.15	9.600	12.56	16.74	20.03	55- 60	8.221	810.9	97.8,97.8
65	17.02	12.46	9.199	7.032	6.553	8.937	12.25	14.75	60- 65	6.300	817.2	98.6,98.6
70	12.35	8.819	6.271	4.527	4.117	6.047	8.702	10.64	65- 70	4.665	821.9	99.1,99.1
75	8.754	5.955	3.933	2.549	2.226	3.780	5.903	7.432	70- 75	3.277	825.2	99.5,99.5
80	5.907	3.718	2.134	1.045	0.7866	2.001	3.664	4.865	75- 80	2.119	827.3	99.8,99.8
85	3.641	1.904	0.7196	0.0626	0.0124	0.8284	1.945	2.823	80- 85	1.172	828.5	99.9,99.9
90	1.924	0.7247	0.0062	0	0.0124	0.1831	0.5276	1.116	85- 90	0.5206	829.0	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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 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	6571	1298
80	5350	1933
75	5319	2390
70	5678	2883
65	6334	3423
60	7276	4051
55	8624	4827
50	11400	5813
45	19289	7104

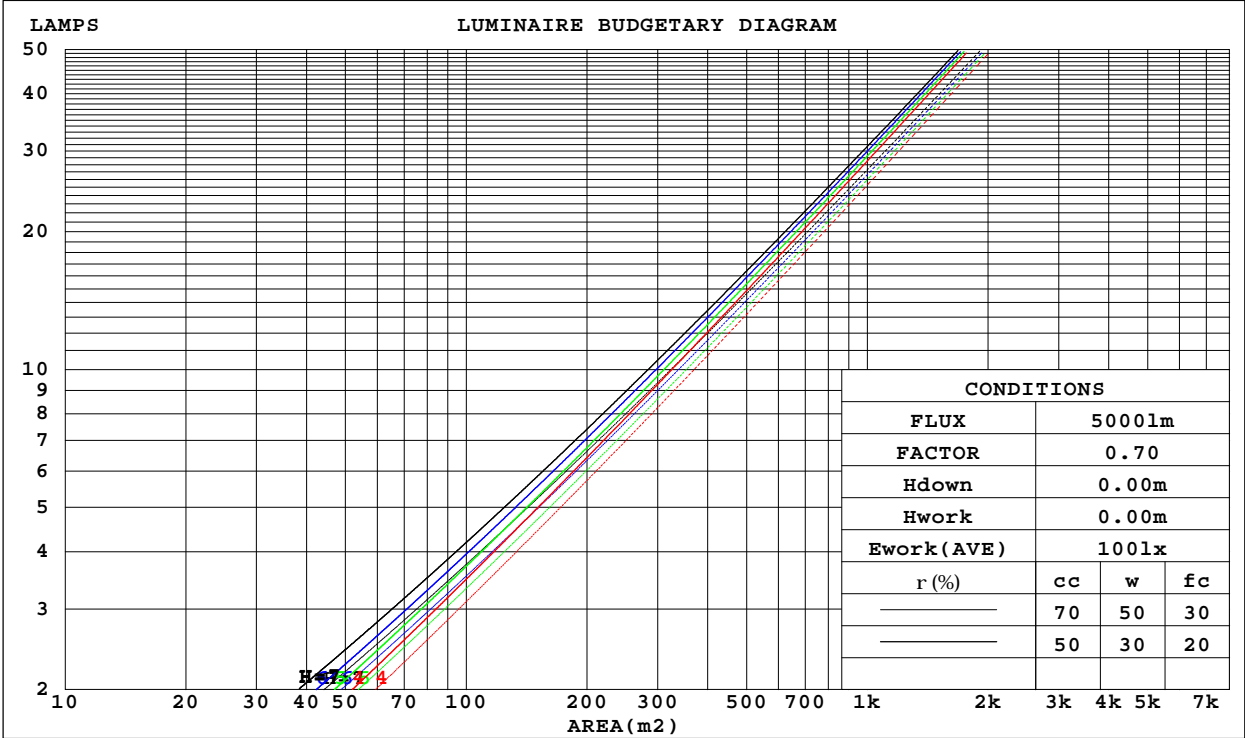
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 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	.177	.101	.032	.171	.097	.031	.158	.091	.029	.146	.084	.027	.136	.079	.025	
2.0	.168	.092	.028	.163	.090	.028	.152	.084	.026	.142	.080	.025	.133	.075	.024	
3.0	.159	.085	.025	.154	.083	.025	.145	.079	.024	.137	.075	.023	.129	.071	.022	
4.0	.150	.078	.023	.146	.076	.023	.138	.073	.022	.131	.070	.021	.125	.068	.021	
5.0	.142	.073	.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	.116	.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	.104	.053	.015	
10.0	.113	.054	.015	.111	.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	.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:230.98V I:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 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	20.8	20.1	20.9	21.1	14.8	15.7	15.0	15.8	16.0	
	3H	19.9	20.8	20.2	21.0	21.2	15.0	15.8	15.3	16.0	16.2
	4H	20.0	20.8	20.3	21.0	21.2	15.1	15.9	15.4	16.1	16.3
	6H	20.1	20.8	20.4	21.0	21.3	15.1	15.9	15.4	16.1	16.4
	8H	20.1	20.8	20.4	21.1	21.3	15.1	15.8	15.4	16.1	16.3
	12H	20.1	20.8	20.4	21.1	21.4	15.1	15.8	15.4	16.1	16.3
4H	2H	19.7	20.5	20.0	20.7	20.9	14.9	15.7	15.2	15.9	16.2
	3H	19.9	20.5	20.2	20.8	21.1	15.3	16.0	15.6	16.3	16.5
	4H	20.0	20.6	20.3	20.9	21.2	15.5	16.1	15.8	16.4	16.7
	6H	20.1	20.6	20.5	21.0	21.3	15.6	16.1	15.9	16.5	16.8
	8H	20.2	20.7	20.6	21.0	21.4	15.6	16.1	16.0	16.5	16.8
	12H	20.2	20.7	20.6	21.1	21.5	15.6	16.0	16.0	16.4	16.8
8H	4H	19.9	20.4	20.3	20.7	21.1	15.6	16.1	16.0	16.4	16.8
	6H	20.1	20.5	20.5	20.9	21.3	15.8	16.2	16.2	16.6	17.0
	8H	20.2	20.5	20.6	21.0	21.4	15.8	16.2	16.3	16.6	17.1
	12H	20.3	20.6	20.8	21.1	21.5	15.8	16.2	16.3	16.6	17.1
12H	4H	19.8	20.3	20.2	20.7	21.1	15.6	16.0	16.0	16.4	16.8
	6H	20.0	20.4	20.5	20.8	21.3	15.8	16.2	16.2	16.6	17.0
	8H	20.2	20.5	20.6	20.9	21.4	15.9	16.2	16.4	16.6	17.1
Variations with the observer position at spacings:											
S = 1.0H	+ 3.6 / - 3.7					+ 1.5 / - 1.5					
1.5H	+ 5.8 / - 3.6					+ 1.9 / - 1.3					
2.0H	+ 3.2 / - 1.1					+ 1.0 / - 1.1					

CIE Pub.117, 829.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.7)
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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

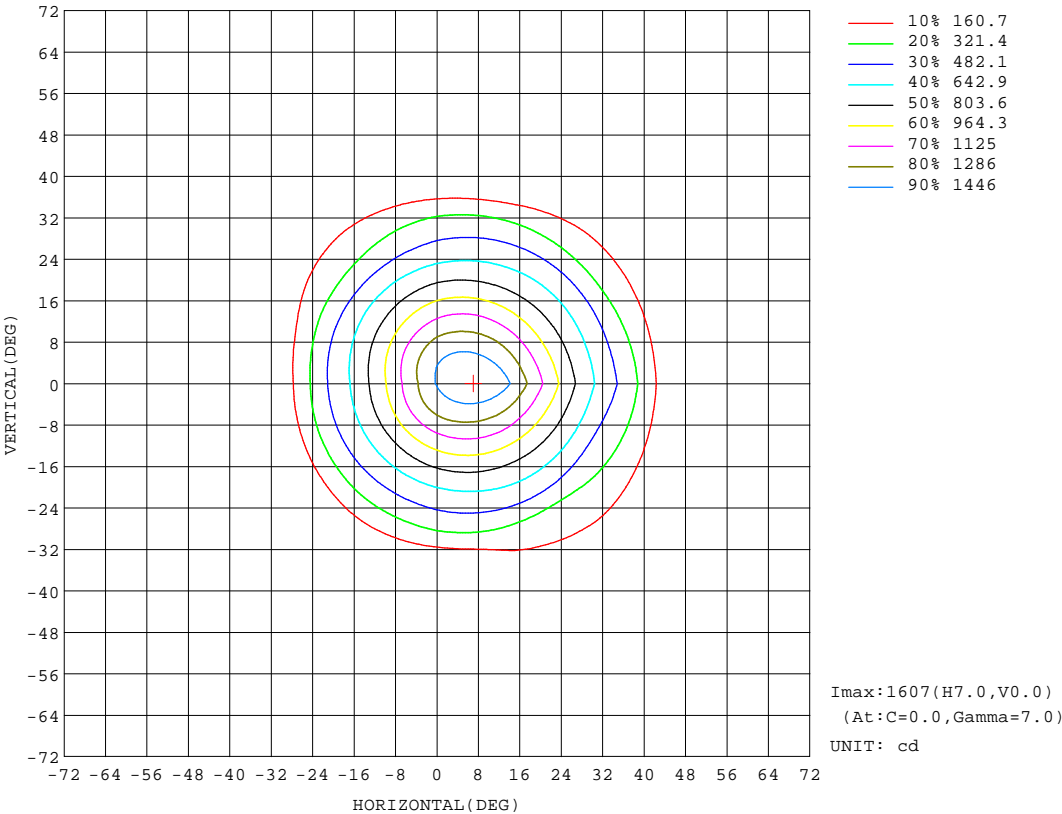
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	85	79	75	72
0.80	93	87	83	93	87	83	92	86	83	79
1.00	98	92	88	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	99	96	102	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	111	108	111	109	107	108	106	104	97
5.00	115	112	110	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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



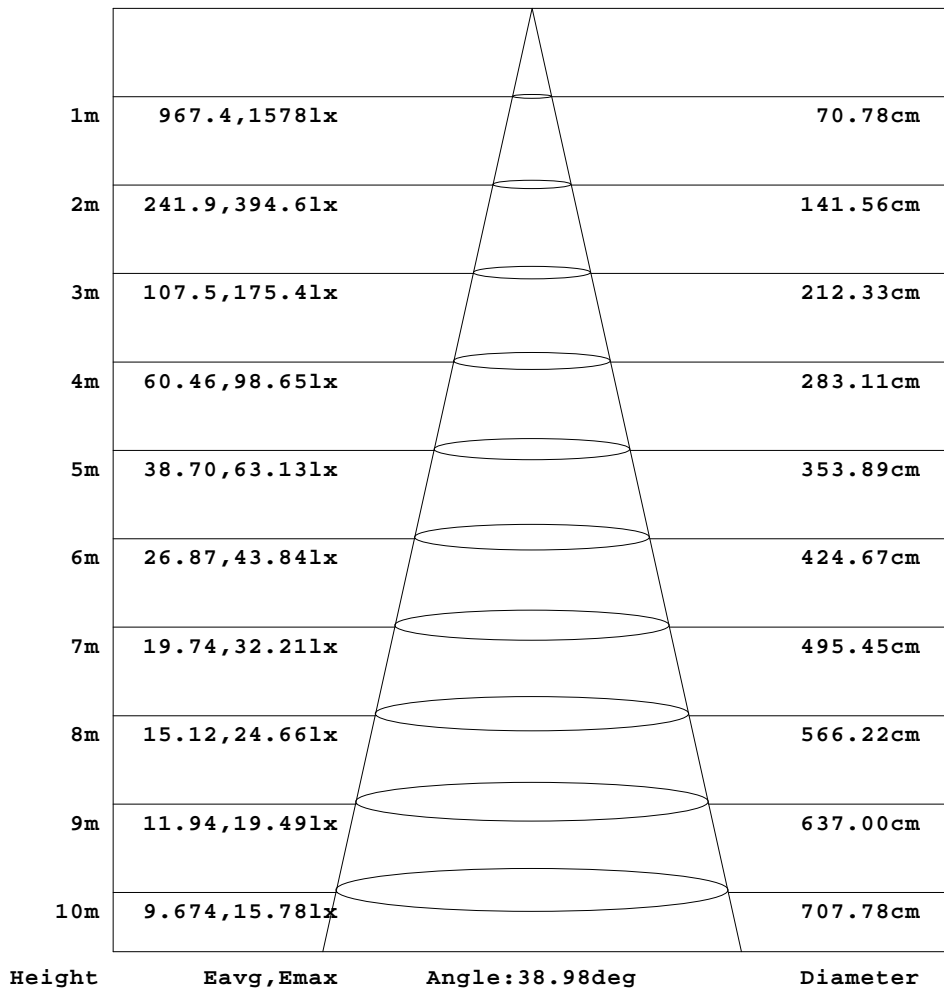
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.98V I:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:381.1 lm



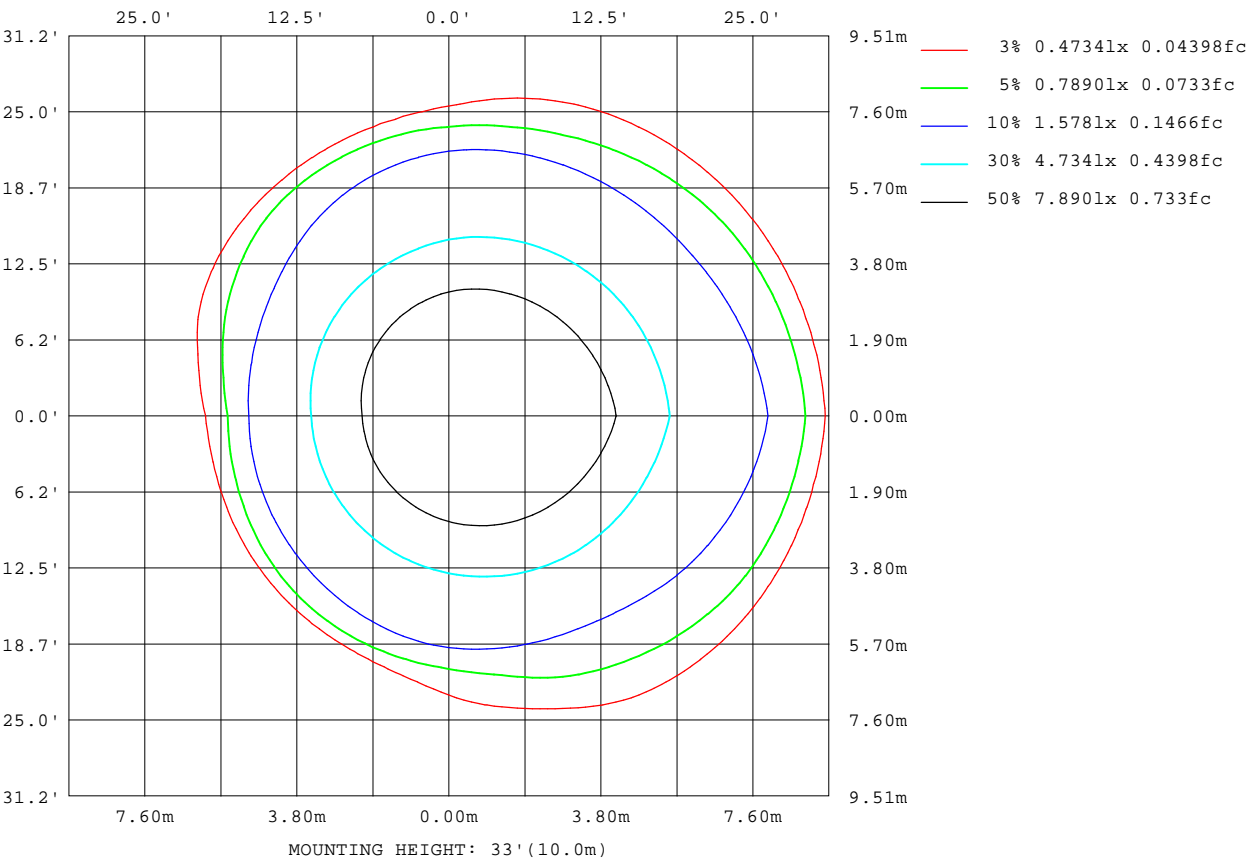
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 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:0.0437A P:9.6984W PF:0.9619 Freq:49.99Hz Lamp Flux:828.983x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

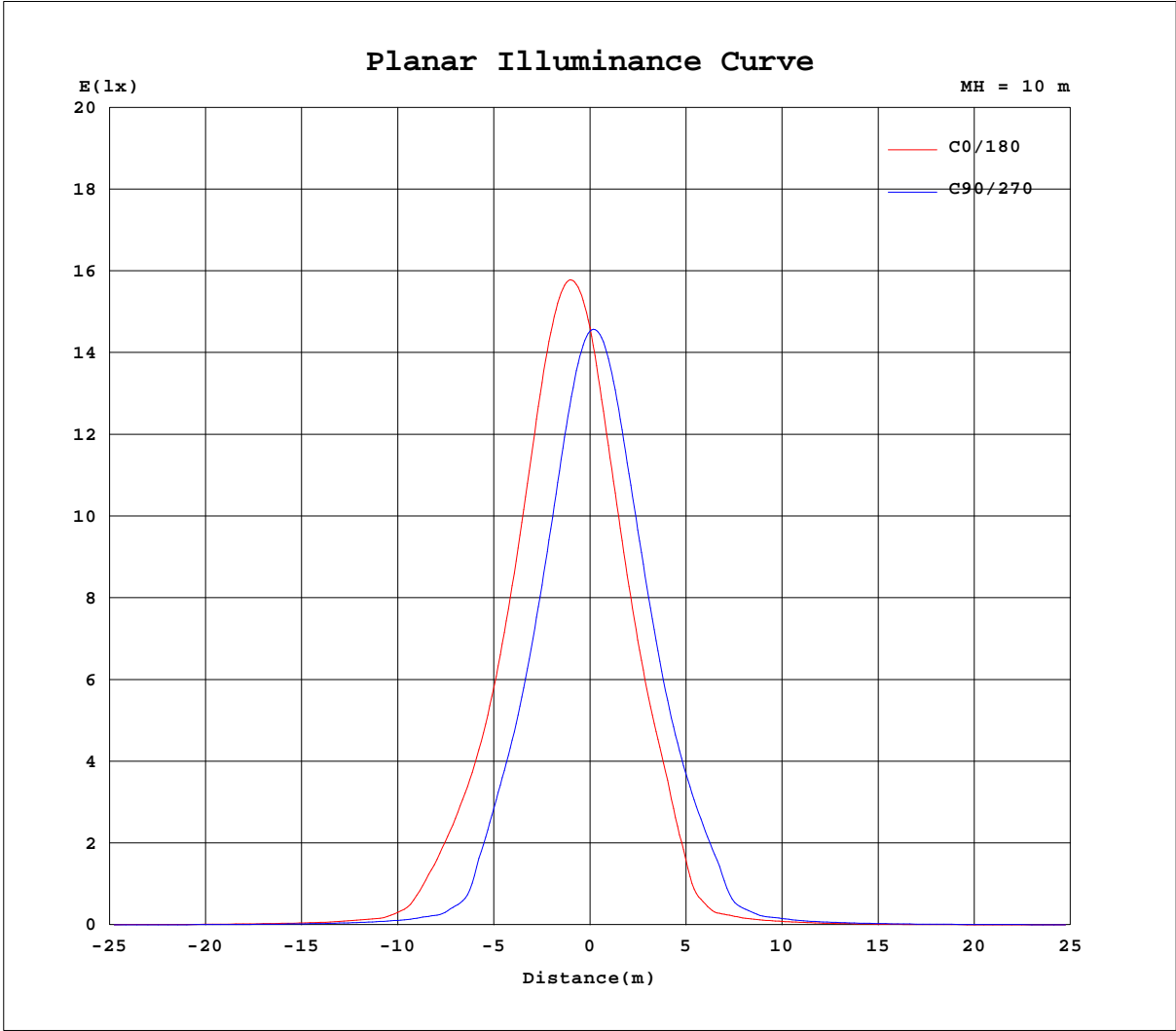
AvgL	cd/m2
L_0~180(65)av	4386
L_0~180(75)av	3336
L_0~180(85)av	3296
L_90~270(65)av	3991
L_90~270(75)av	2989
L_90~270(85)av	2404
L_45(65)av	4017
L_45(75)av	2995
L_45(85)av	2534

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:

