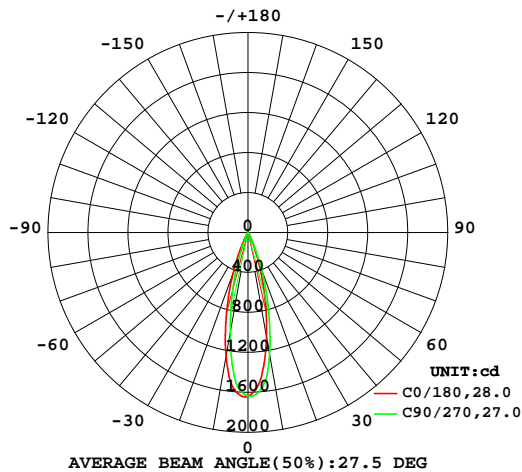


LUMINAIRE PHOTOMETRIC TEST REPORT

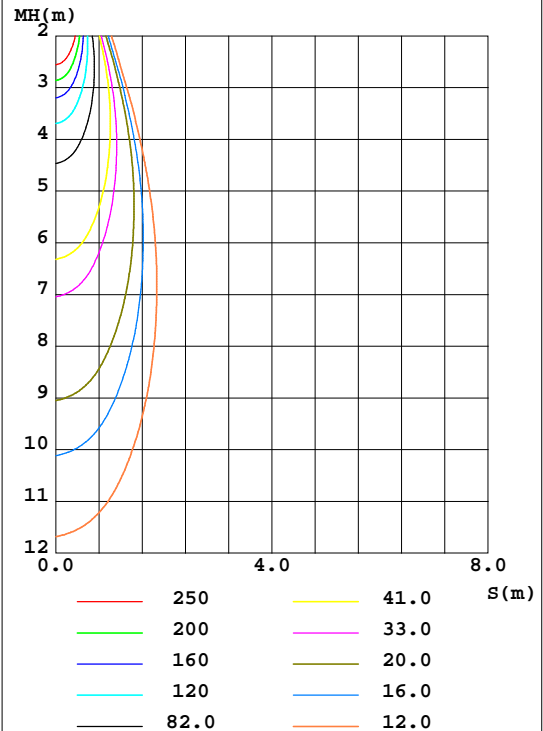
Test:U:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 42.67 lm/W			
MODEL	3000K	I _{max} (cd)	1644	S/MH(C0/180)	0.50
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	415.29	h UP,DN(C0-180)	0.0,54.2
NOMINAL FLUX(lm)	415.293	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,45.8
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230V	h down(%)	100.0	CIBSE SHR MAX	1.00

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:

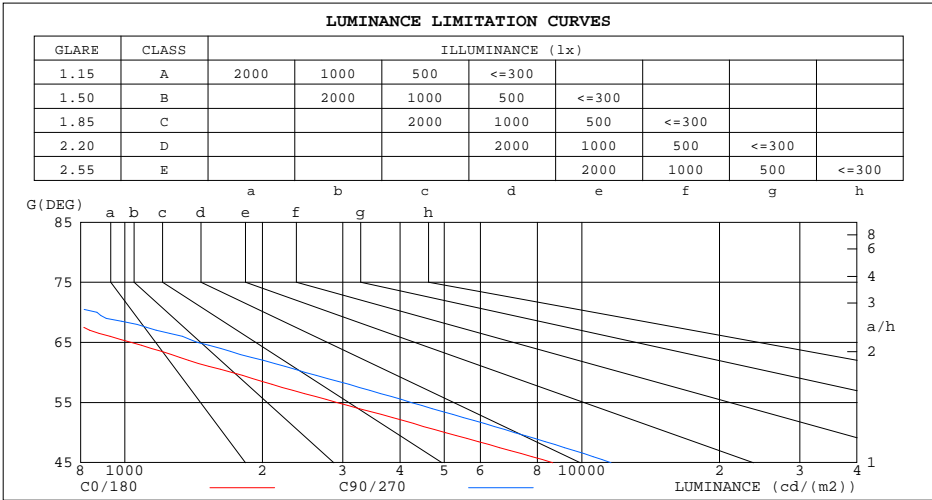
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1470	1532	1570	1586	1578	1530	1481	1465	0- 5	37.89	37.89	9.12,9.12
10	1071	1180	1248	1284	1267	1147	1029	1015	5- 10	95.72	133.6	32.2,32.2
15	648.4	739.5	800.6	841.1	833.1	713.6	596.5	586.4	10- 15	109.2	242.8	58.5,58.5
20	306.2	371.3	417.5	455.2	453.1	348.1	246.2	242.8	15- 20	85.94	328.7	79.2,79.2
25	104.3	124.0	142.3	166.8	175.0	128.9	81.56	78.43	20- 25	46.15	374.9	90.3,90.3
30	32.88	48.09	57.94	63.51	61.52	43.54	25.98	24.12	25- 30	19.54	394.4	95,95
35	19.01	21.49	22.95	23.61	22.86	19.04	15.64	16.00	30- 35	8.326	402.8	97,97
40	10.12	13.45	15.19	15.25	13.90	10.61	7.763	7.878	35- 40	5.304	408.1	98.3,98.3
45	5.221	6.338	7.008	7.272	7.006	5.742	4.560	4.502	40- 45	3.103	411.2	99,99
50	2.764	3.481	3.920	4.097	3.962	3.288	2.626	2.511	45- 50	1.832	413.0	99.4,99.4
55	1.429	1.833	2.078	2.165	2.090	1.763	1.434	1.350	50- 55	1.074	414.1	99.7,99.7
60	0.7332	0.9368	1.061	1.108	1.073	0.9108	0.7453	0.6998	55- 60	0.5972	414.7	99.8,99.8
65	0.3731	0.4643	0.5214	0.5457	0.5336	0.4645	0.3915	0.3668	60- 65	0.3196	415.0	99.9,99.9
70	0.1987	0.2302	0.2541	0.2749	0.2787	0.2402	0.1986	0.1886	65- 70	0.1668	415.1	100,100
75	0.1056	0.1132	0.1178	0.1197	0.1178	0.1082	0.0993	0.0994	70- 75	0.0856	415.2	100,100
80	0.0498	0.0381	0.0372	0.0534	0.0681	0.0573	0.0435	0.0428	75- 80	0.0409	415.3	100,100
85	0.0187	0.0109	0.0062	0.0047	0.0062	0.0124	0.0187	0.0202	80- 85	0.0151	415.3	100,100
90	0	0.0047	0.0062	0.0035	0	0	0	0	85- 90	0.0041	415.3	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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

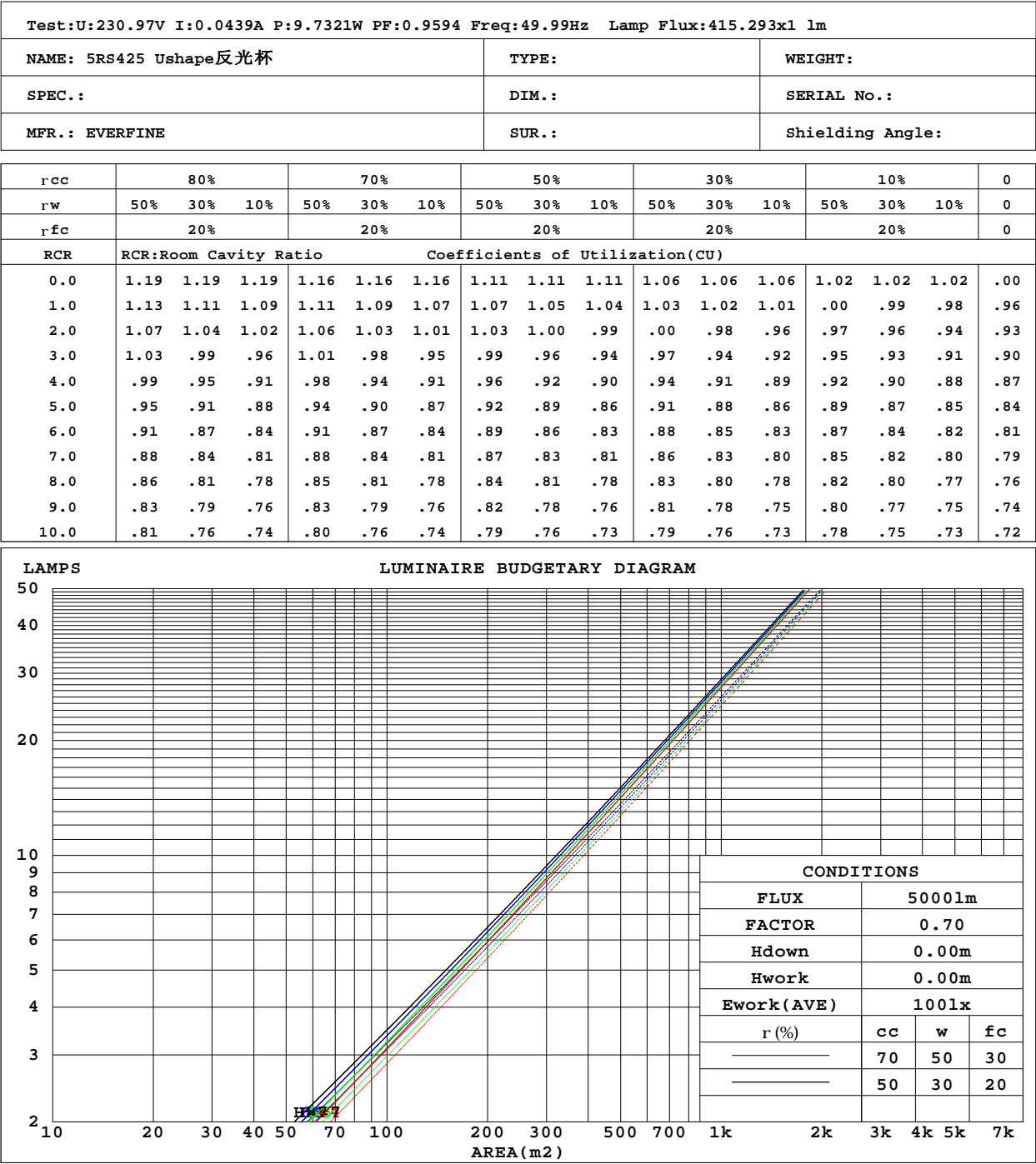


LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	251	83
80	335	251
75	477	532
70	680	869
65	1033	1443
60	1715	2483
55	2914	4238
50	5030	7133
45	8638	11593

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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape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	.139	.079	.025	.132	.075	.024	.120	.069	.022	.108	.063	.020	.098	.057	.018															
2.0	.129	.071	.022	.123	.068	.021	.113	.063	.020	.104	.058	.018	.095	.054	.017															
3.0	.120	.064	.019	.116	.062	.019	.107	.058	.018	.099	.054	.017	.092	.051	.016															
4.0	.113	.059	.017	.109	.057	.017	.102	.054	.016	.095	.051	.015	.089	.048	.015															
5.0	.107	.054	.016	.103	.053	.015	.097	.051	.015	.091	.048	.014	.086	.046	.014															
6.0	.101	.051	.014	.098	.050	.014	.093	.048	.014	.088	.046	.013	.083	.044	.013															
7.0	.096	.047	.013	.094	.047	.013	.089	.045	.013	.085	.043	.013	.081	.042	.012															
8.0	.092	.045	.013	.089	.044	.012	.085	.043	.012	.082	.041	.012	.078	.040	.012															
9.0	.088	.042	.012	.086	.042	.012	.082	.041	.012	.079	.039	.011	.076	.038	.011															
10.0	.084	.040	.011	.082	.040	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011															

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	.168	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.095	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.055	.089	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007	
7.0	.097	.068	.047	.083	.059	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.090	.061	.041	.078	.053	.035	.054	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.085	.055	.035	.073	.048	.031	.050	.034	.022	.029	.020	.013	.010	.007	.004	
10.0	.080	.050	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004	

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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm											
NAME: 5RS425 Ushape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	9.5	10.2	9.7	10.4	10.5	10.7	11.4	10.9	11.5	11.7	
	3H	9.4	10.0	9.7	10.2	10.4	10.6	11.2	10.8	11.4	
	4H	9.4	9.9	9.6	10.2	10.4	10.5	11.1	10.8	11.3	
	6H	9.3	9.8	9.6	10.1	10.3	10.5	11.0	10.7	11.2	
	8H	9.2	9.8	9.5	10.0	10.3	10.4	10.9	10.7	11.2	
	12H	9.2	9.7	9.5	10.0	10.2	10.4	10.9	10.7	11.1	
4H	2H	9.4	10.0	9.6	10.2	10.4	10.5	11.1	10.8	11.3	
	3H	9.3	9.8	9.6	10.0	10.3	10.4	10.9	10.7	11.2	
	4H	9.2	9.7	9.5	9.9	10.2	10.3	10.8	10.7	11.1	
	6H	9.1	9.5	9.5	9.8	10.2	10.2	10.7	10.6	11.0	
	8H	9.0	9.4	9.4	9.8	10.1	10.2	10.6	10.6	10.9	
	12H	9.0	9.3	9.4	9.7	10.1	10.1	10.5	10.5	10.9	
8H	4H	9.0	9.4	9.4	9.8	10.1	10.2	10.6	10.6	10.9	
	6H	8.9	9.3	9.3	9.6	10.1	10.1	10.4	10.5	10.8	
	8H	8.9	9.2	9.3	9.6	10.0	10.0	10.3	10.5	10.7	
	12H	8.8	9.1	9.3	9.5	10.0	10.0	10.2	10.4	10.6	
12H	4H	9.0	9.3	9.4	9.7	10.1	10.1	10.5	10.5	10.9	
	6H	8.9	9.2	9.3	9.6	10.0	10.0	10.3	10.5	10.7	
	8H	8.8	9.1	9.3	9.5	10.0	10.0	10.2	10.4	10.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / - 7.6					+ 2.7 / - 7.0					
1.5H	+ 3.9 / - 5.0					+ 4.3 / - 5.4					
2.0H	+ 4.5 / - 5.4					+ 4.9 / - 6.1					

CIE Pub.117, 415.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -3.1)
Area: 0.000854865 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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

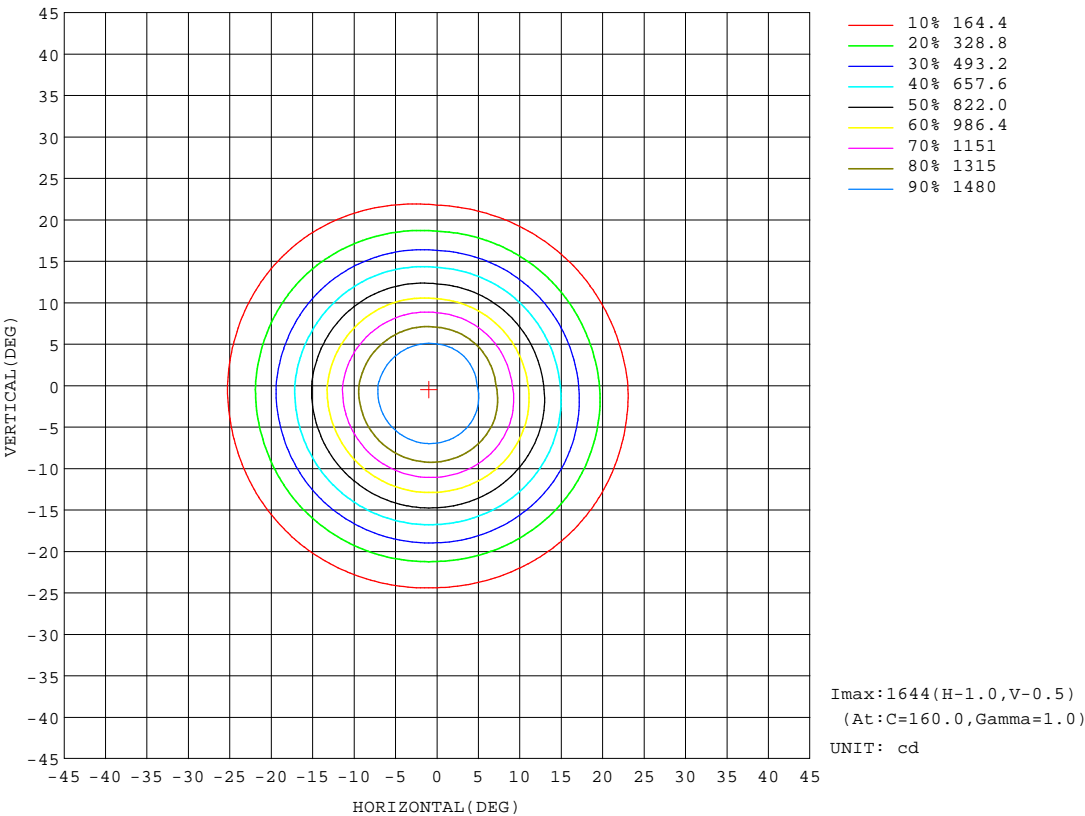
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	90	85	81	90	85	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	106	104	107	104	102	96
3.00	113	109	107	111	108	106	107	105	104	97
4.00	114	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



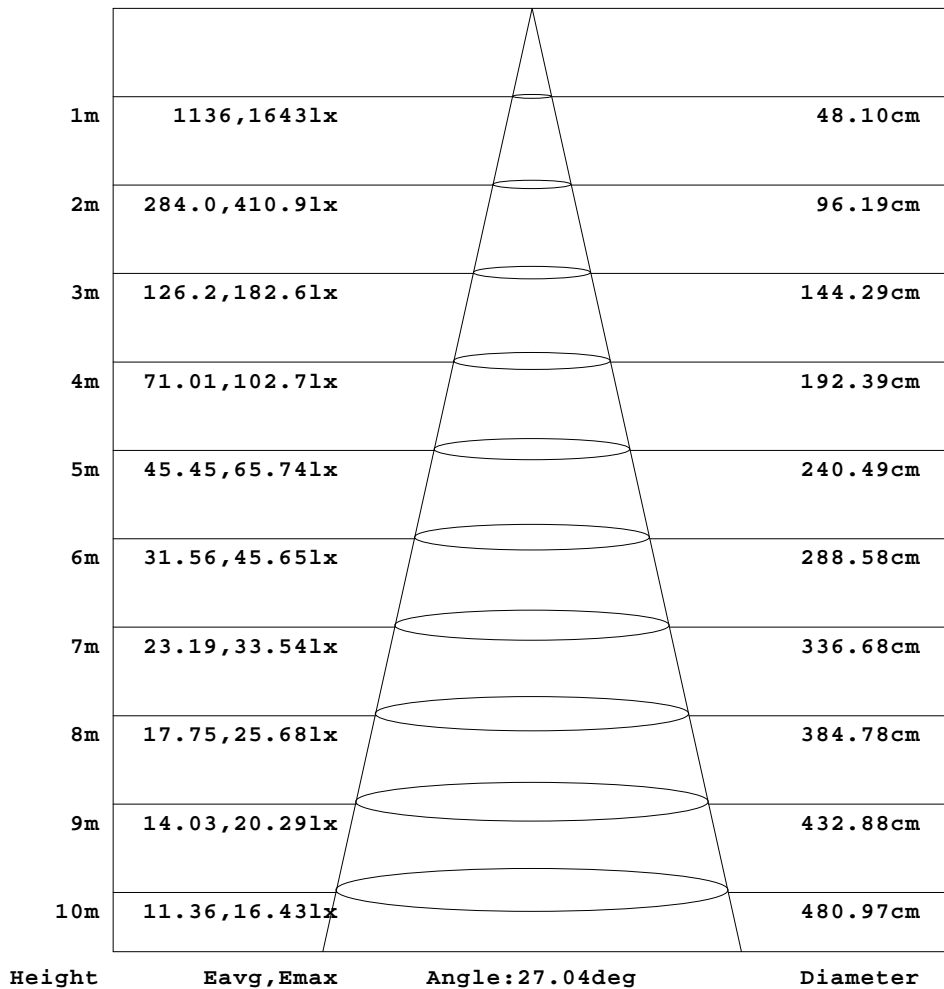
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:221.9 lm



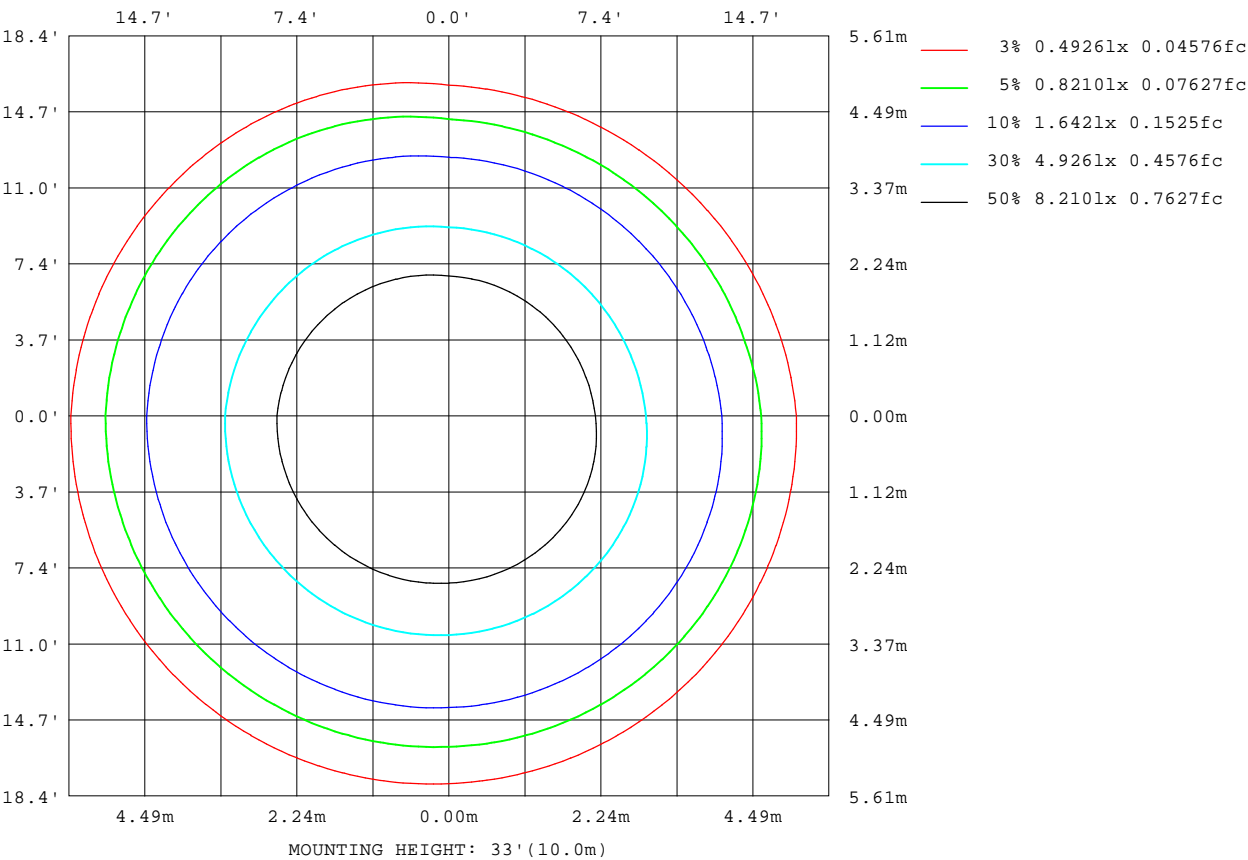
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape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:230.97V I:0.0439A P:9.7321W PF:0.9594 Freq:49.99Hz Lamp Flux:415.293x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

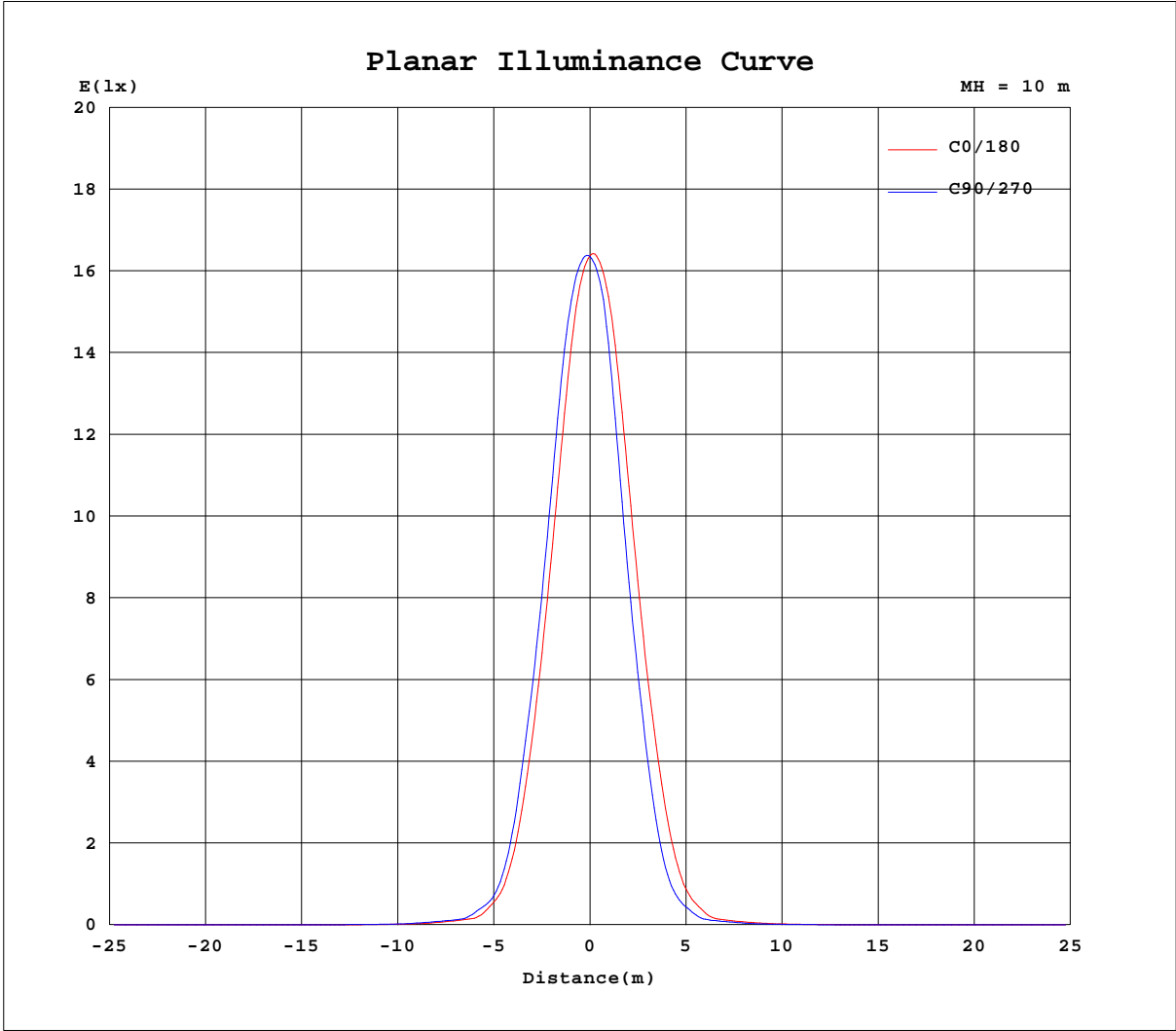
AvgL	cd/m2
L_0~180(65)av	1255
L_0~180(75)av	505
L_0~180(85)av	167
L_90~270(65)av	1263
L_90~270(75)av	491
L_90~270(85)av	167
L_45(65)av	1274
L_45(75)av	498
L_45(85)av	162

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:

