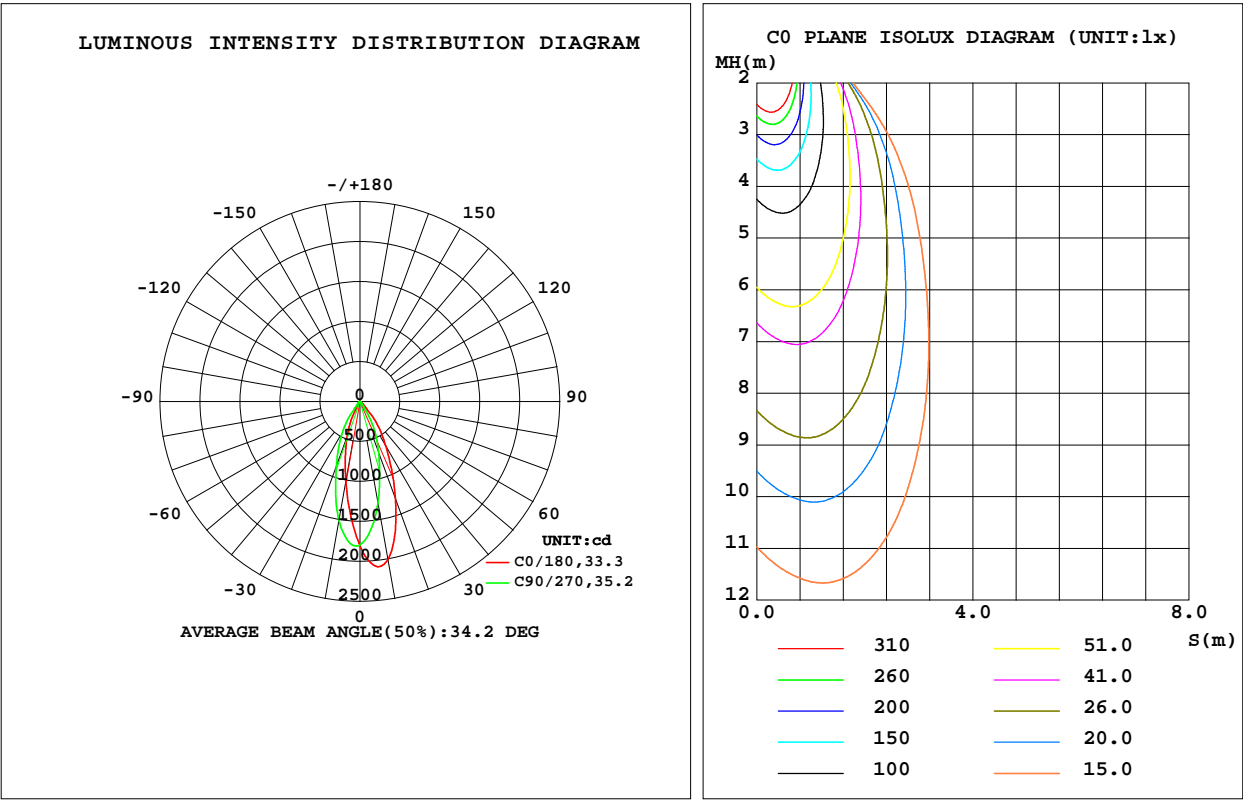


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 91.93 lm/W			
MODEL	4000K	I _{max} (cd)	2079	S/MH(C0/180)	0.39
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.62
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	905.32	h UP,DN(C0-180)	0.0,46.1
NOMINAL FLUX(lm)	905.32	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



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:

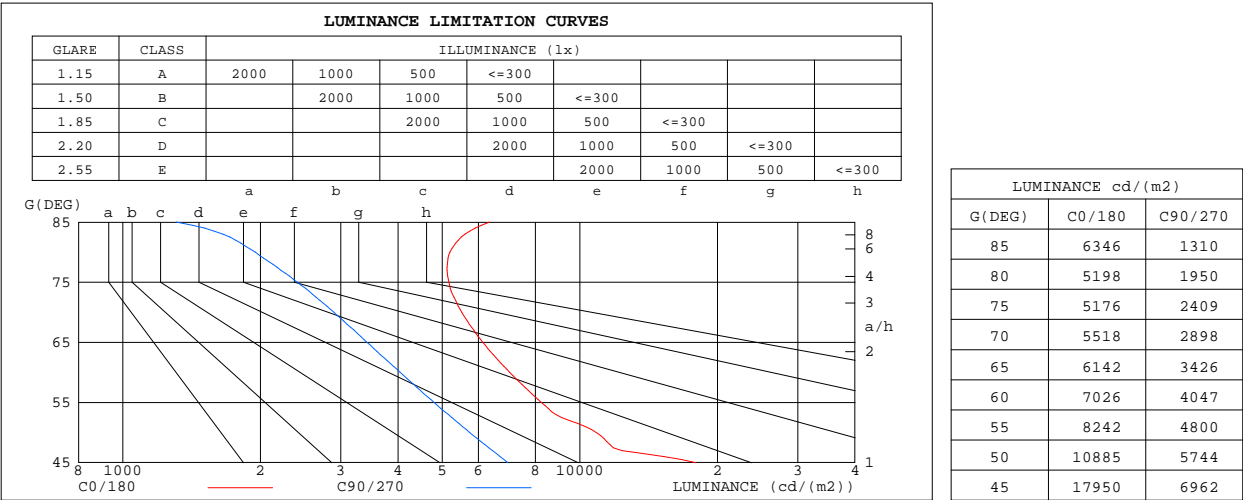
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	2058	1799	1604	1458	1410	1549	1750	1908	0- 5	41.58	41.58	4.59,4.59
10	2009	1598	1297	1085	1023	1221	1515	1762	5- 10	111.2	152.8	16.9,16.9
15	1701	1267	957.4	758.8	711.8	898.6	1181	1435	10- 15	149.5	302.3	33.4,33.4
20	1301	945.8	690.7	523.9	481.7	634.4	867.4	1078	15- 20	155.7	458.0	50.6,50.6
25	939.0	677.3	480.5	330.5	281.2	423.2	628.9	788.6	20- 25	142.4	600.4	66.3,66.3
30	650.7	440.2	276.8	139.3	91.19	236.8	432.8	557.2	25- 30	113.2	713.7	78.8,78.8
35	441.6	229.1	92.54	35.86	46.93	127.9	239.8	339.6	30- 35	76.69	790.4	87.3,87.3
40	243.3	121.8	46.10	23.72	32.04	45.16	80.41	147.6	35- 40	43.62	834.0	92.1,92.1
45	80.70	50.75	31.30	23.28	23.92	31.12	43.86	60.17	40- 45	21.52	855.5	94.5,94.5
50	44.49	32.07	23.48	18.56	17.79	22.60	29.95	36.92	45- 50	13.56	869.1	96,96
55	30.06	22.77	17.50	13.90	13.03	16.94	22.38	26.43	50- 55	10.34	879.4	97.1,97.1
60	22.34	16.86	12.87	10.05	9.333	12.41	16.64	19.69	55- 60	8.070	887.5	98,98
65	16.50	12.29	9.205	6.980	6.392	8.850	12.20	14.54	60- 65	6.208	893.7	98.7,98.7
70	12.00	8.724	6.302	4.511	4.017	6.007	8.696	10.52	65- 70	4.611	898.3	99.2,99.2
75	8.518	5.894	3.964	2.559	2.189	3.779	5.916	7.358	70- 75	3.246	901.5	99.6,99.6
80	5.739	3.669	2.153	1.061	0.7805	2.021	3.689	4.821	75- 80	2.102	903.6	99.8,99.8
85	3.517	1.862	0.7258	0.0731	0.0124	0.8427	1.957	2.785	80- 85	1.162	904.8	99.9,99.9
90	1.856	0.7045	0.0124	0	0.0062	0.1870	0.5338	1.096	85- 90	0.5122	905.3	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

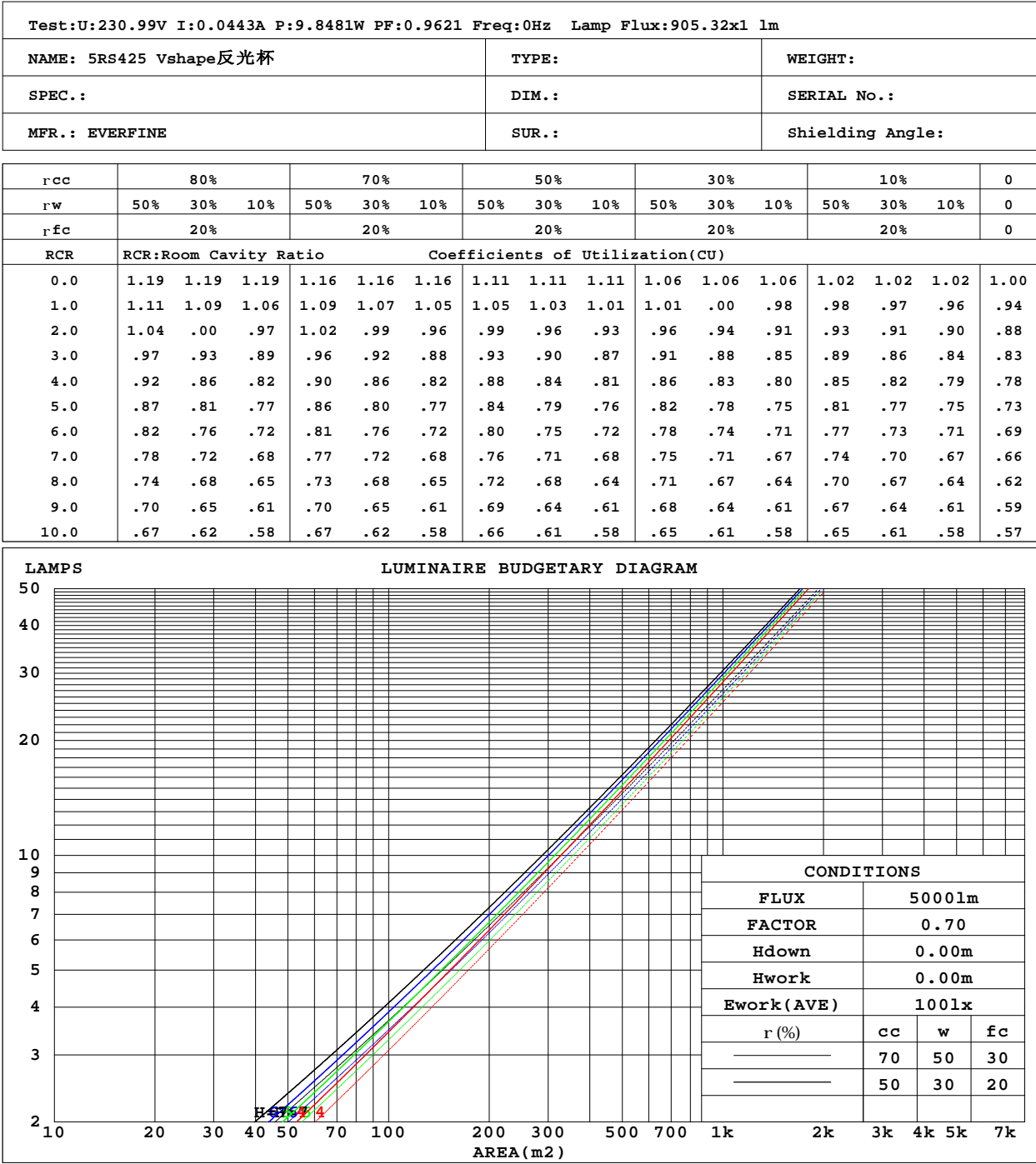
Test:U:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 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	.143	.082	.026	.132	.076	.025	
2.0	.164	.090	.028	.158	.087	.027	.148	.082	.026	.138	.078	.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	.135	.071	.021	.127	.068	.021	.121	.066	.020	
5.0	.139	.071	.020	.135	.069	.020	.128	.067	.020	.122	.065	.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	.118	.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	.054	.015	.104	.052	.015	.101	.051	.015	
10.0	.110	.053	.015	.108	.052	.015	.104	.051	.014	.101	.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	.132	.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	.115	.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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 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	19.0	19.9	19.2	20.1	20.2	14.4	15.3	14.6	15.4	15.6	
	3H	19.2	20.0	19.4	20.2	20.4	14.6	15.4	14.9	15.6	15.8
	4H	19.2	20.0	19.5	20.2	20.4	14.7	15.5	15.0	15.7	15.9
	6H	19.3	20.0	19.6	20.3	20.5	14.8	15.5	15.0	15.7	16.0
	8H	19.3	20.0	19.6	20.3	20.5	14.8	15.5	15.1	15.7	16.0
	12H	19.4	20.0	19.7	20.3	20.6	14.7	15.4	15.0	15.7	15.9
4H	2H	18.9	19.7	19.2	19.9	20.1	14.5	15.3	14.8	15.5	15.7
	3H	19.1	19.8	19.4	20.0	20.3	14.9	15.6	15.3	15.9	16.2
	4H	19.2	19.8	19.6	20.1	20.4	15.1	15.7	15.4	16.0	16.3
	6H	19.4	19.9	19.7	20.2	20.6	15.2	15.7	15.6	16.1	16.4
	8H	19.4	19.9	19.8	20.3	20.7	15.2	15.7	15.6	16.1	16.4
	12H	19.5	20.0	19.9	20.3	20.7	15.2	15.7	15.6	16.0	16.4
8H	4H	19.1	19.6	19.5	20.0	20.4	15.2	15.7	15.6	16.1	16.4
	6H	19.3	19.8	19.8	20.1	20.6	15.4	15.8	15.8	16.2	16.6
	8H	19.5	19.8	19.9	20.2	20.7	15.5	15.8	15.9	16.2	16.7
	12H	19.6	19.9	20.1	20.4	20.8	15.5	15.8	15.9	16.2	16.7
12H	4H	19.1	19.6	19.5	19.9	20.3	15.2	15.7	15.6	16.0	16.4
	6H	19.3	19.7	19.8	20.1	20.5	15.4	15.8	15.9	16.2	16.6
	8H	19.4	19.8	19.9	20.2	20.7	15.5	15.8	16.0	16.3	16.7
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	+ 3.0 / - 1.1					+ 1.0 / - 1.1					

CIE Pub.117, 905.3 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -0.3$)
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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

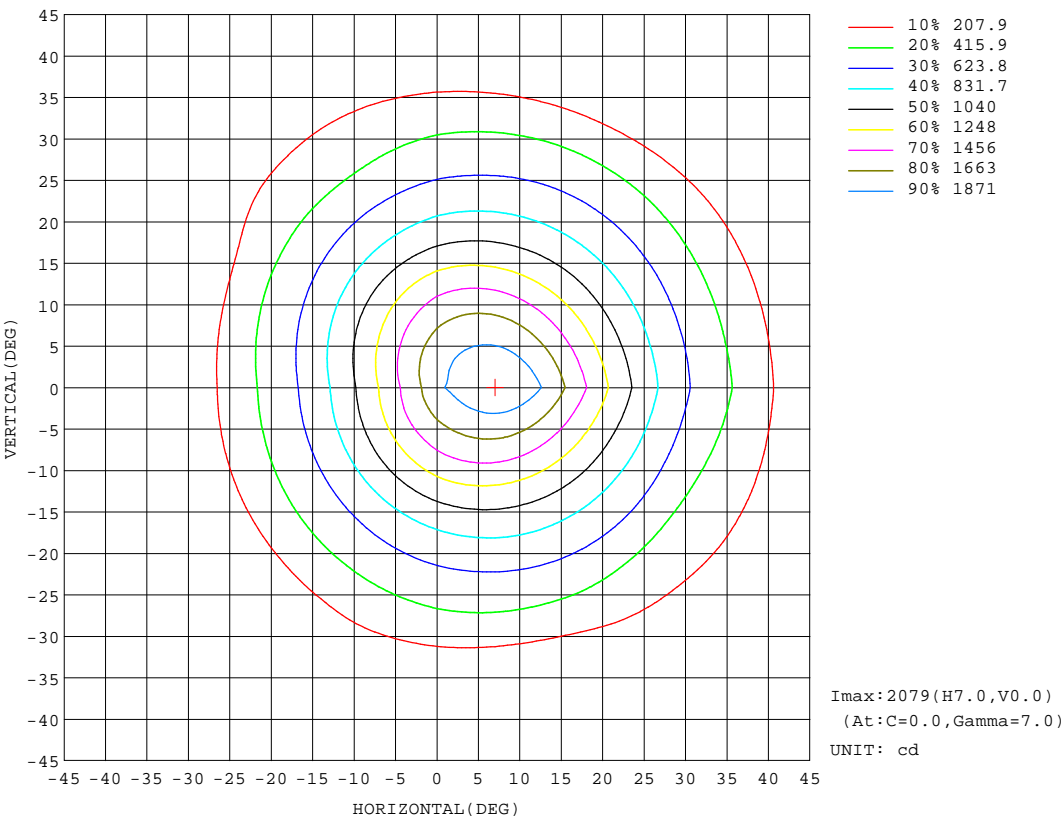
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



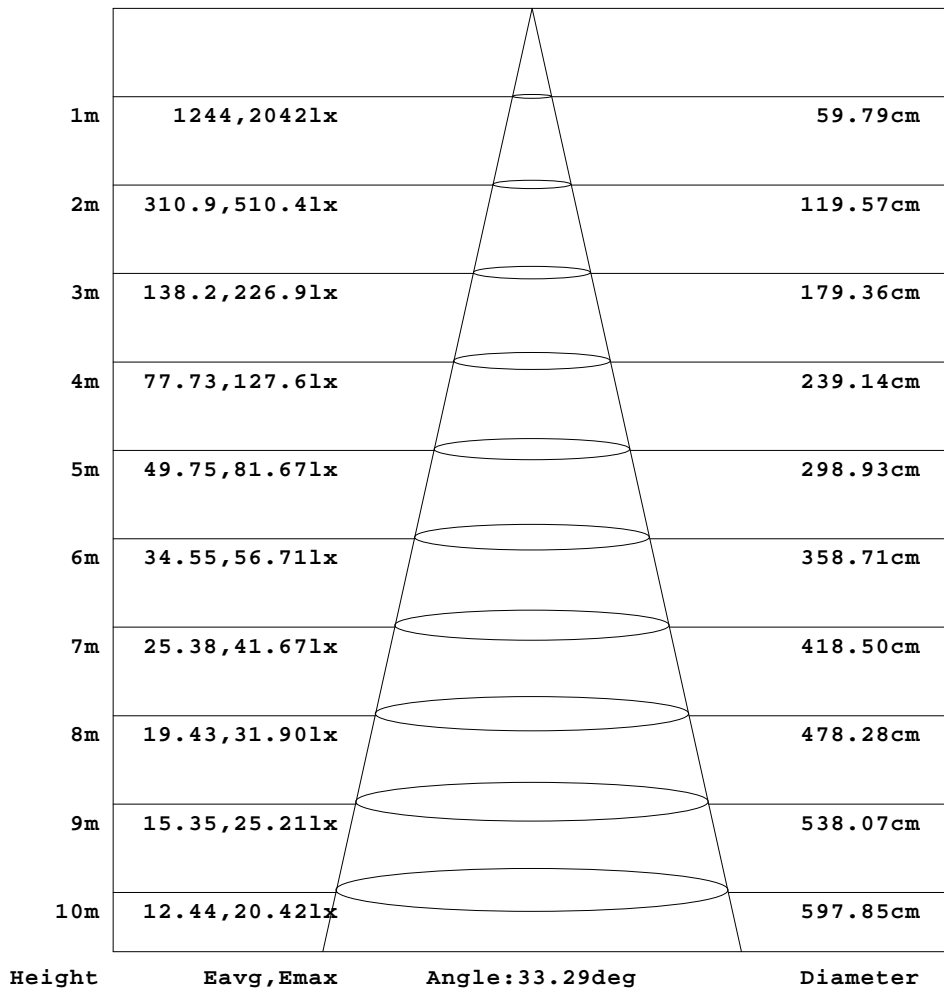
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:365.2 lm



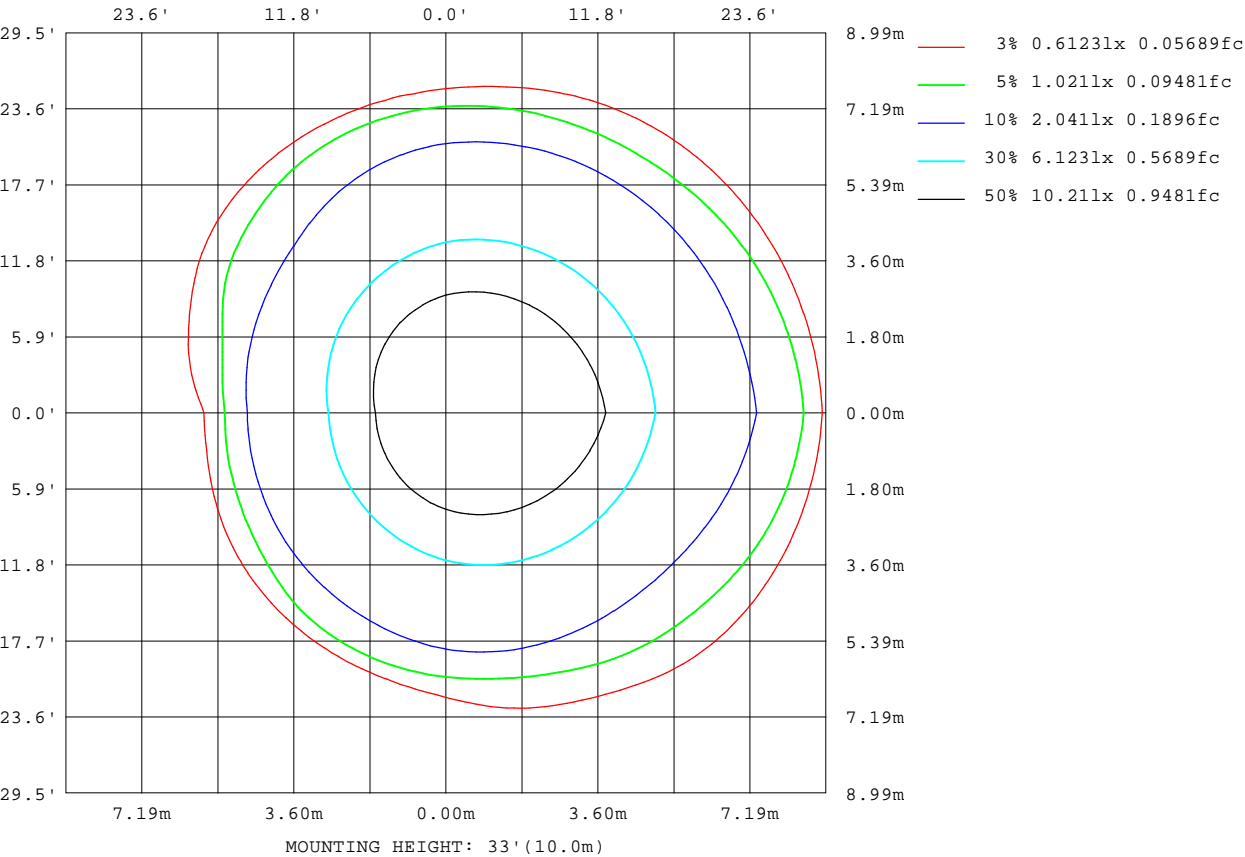
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 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:230.99V I:0.0443A P:9.8481W PF:0.9621 Freq:0Hz Lamp Flux:905.32x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

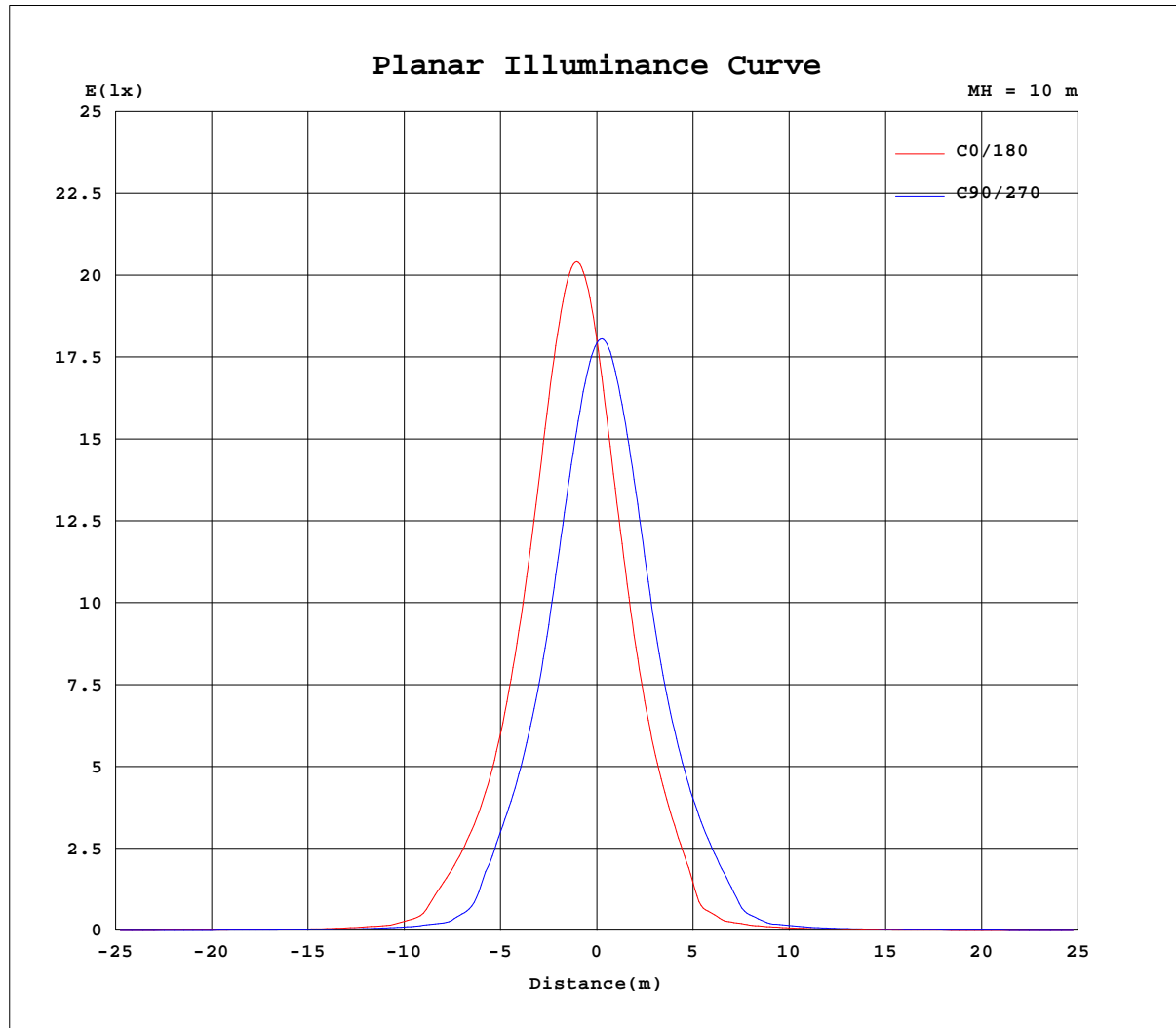
AvgL	cd/m2
L_0~180(65)av	4260
L_0~180(75)av	3253
L_0~180(85)av	3184
L_90~270(65)av	3982
L_90~270(75)av	3002
L_90~270(85)av	2421
L_45(65)av	3969
L_45(75)av	2976
L_45(85)av	2509

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:

