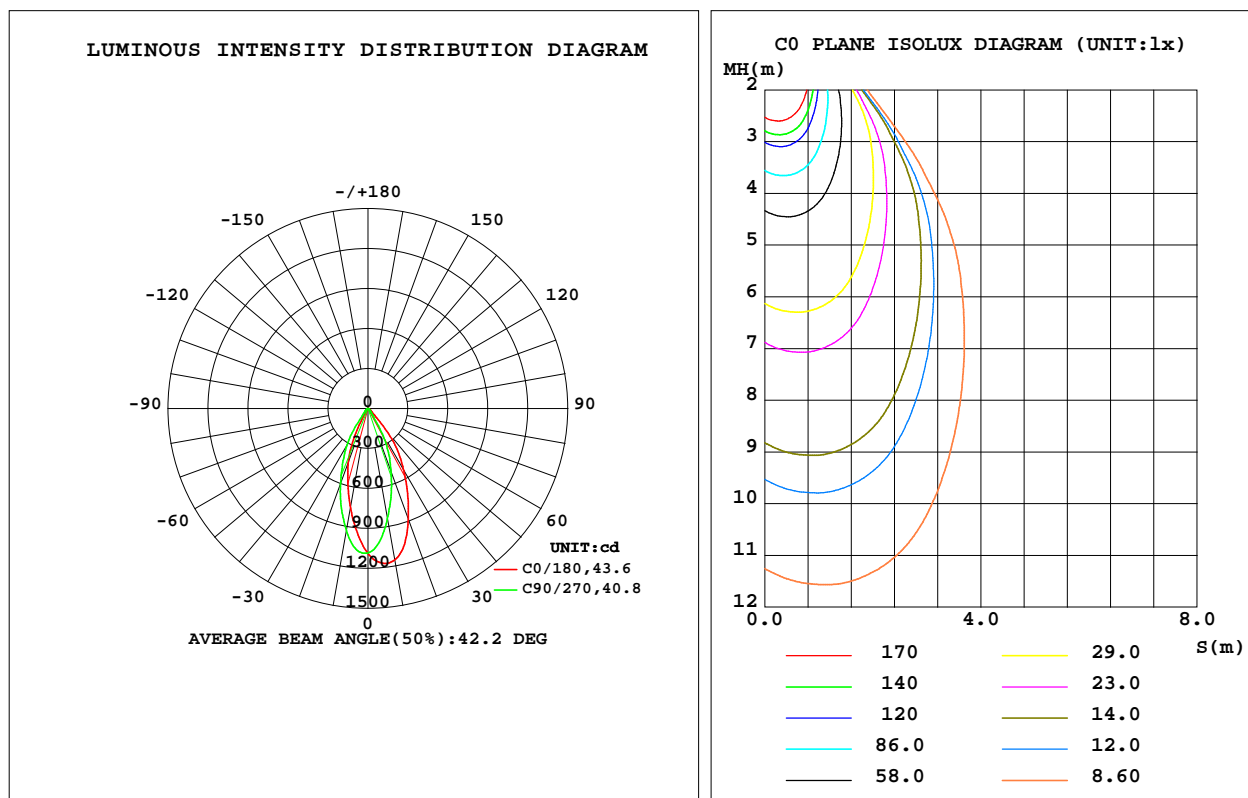


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.99V I:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.16 lm/W			
MODEL	2700K	I _{max} (cd)	1172	S/MH(C0/180)	0.52
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.69
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	652.17	h UP,DN(C0-180)	0.0,46.9
NOMINAL FLUX(lm)	652.175	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:

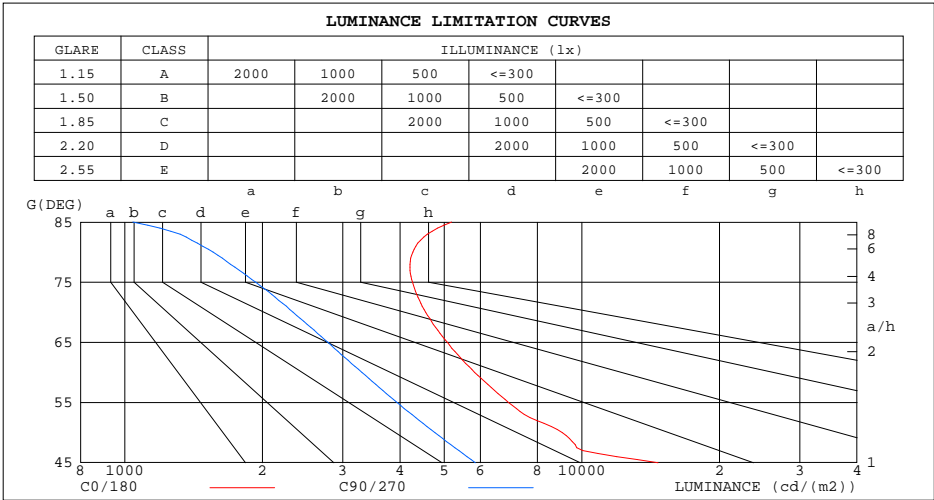
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1163	1071	1003	951.6	935.8	987.1	1060	1114	0- 5	25.31	25.31	3.88,3.88
10	1155	969.1	841.1	769.0	758.0	826.3	932.8	1038	5- 10	69.31	94.62	14.5,14.5
15	1058	829.0	674.1	594.9	587.1	657.6	774.5	904.3	10- 15	98.18	192.8	29.6,29.6
20	886.6	659.7	509.5	440.0	438.7	500.4	606.0	732.1	15- 20	110.5	303.3	46.5,46.5
25	704.9	505.8	364.8	277.5	256.7	330.5	449.7	569.5	20- 25	106.6	409.9	62.8,62.8
30	538.7	341.2	200.0	107.8	86.55	179.6	314.9	427.4	25- 30	87.80	497.7	76.3,76.3
35	392.5	193.0	67.81	26.74	40.12	78.73	151.0	255.4	30- 35	59.56	557.2	85.4,85.4
40	220.0	108.4	39.22	20.52	28.01	31.46	56.72	121.6	35- 40	34.68	591.9	90.8,90.8
45	65.99	41.84	26.27	20.09	20.87	26.69	36.83	49.76	40- 45	18.94	610.9	93.7,93.7
50	37.03	26.58	19.49	15.77	15.43	19.16	24.91	30.64	45- 50	11.28	622.1	95.4,95.4
55	25.23	18.84	14.38	11.71	11.29	14.26	18.46	21.90	50- 55	8.653	630.8	96.7,96.7
60	18.54	13.82	10.50	8.461	8.117	10.43	13.65	16.17	55- 60	6.709	637.5	97.7,97.7
65	13.65	10.03	7.480	5.860	5.561	7.411	9.962	11.89	60- 65	5.134	642.6	98.5,98.5
70	9.908	7.086	5.080	3.774	3.515	5.014	7.063	8.574	65- 70	3.800	646.4	99.1,99.1
75	7.010	4.772	3.183	2.152	1.953	3.150	4.780	5.969	70- 75	2.665	649.1	99.5,99.5
80	4.714	2.972	1.725	0.8954	0.7187	1.661	2.950	3.891	75- 80	1.719	650.8	99.8,99.8
85	2.877	1.512	0.5769	0.0464	0	0.6684	1.572	2.258	80- 85	0.9447	651.8	99.9,99.9
90	1.490	0.5571	0	0	0.0124	0.1583	0.4345	0.8830	85- 90	0.4140	652.2	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:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

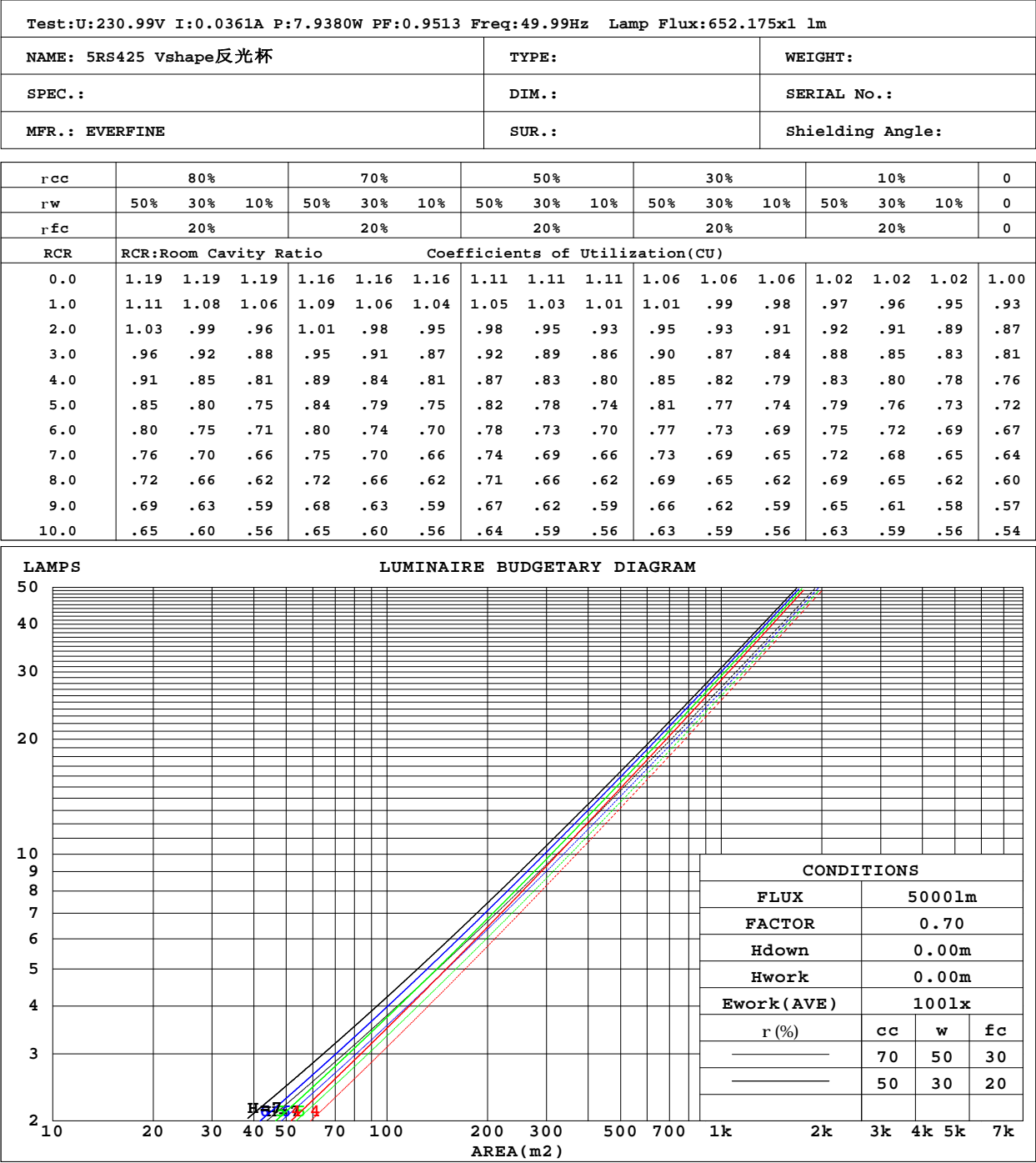


LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5191	1041
80	4270	1562
75	4259	1934
70	4556	2336
65	5078	2783
60	5832	3303
55	6918	3944
50	9061	4768
45	14677	5844

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:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 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	.146	.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	.061	.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:230.99V I:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 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	19.2	20.1	19.4	20.3	20.4	14.1	15.0	14.3	15.2	15.3
3H	19.3	20.1	19.5	20.3	20.5	14.3	15.2	14.6	15.4	15.6
4H	19.3	20.2	19.6	20.4	20.6	14.4	15.2	14.7	15.5	15.7
6H	19.4	20.2	19.7	20.4	20.6	14.5	15.2	14.8	15.5	15.7
8H	19.4	20.2	19.7	20.4	20.7	14.5	15.2	14.8	15.4	15.7
12H	19.5	20.2	19.8	20.4	20.7	14.4	15.1	14.8	15.4	15.7
4H 2H	19.0	19.8	19.3	20.1	20.3	14.3	15.1	14.5	15.3	15.5
3H	19.2	19.9	19.5	20.2	20.4	14.6	15.3	15.0	15.6	15.9
4H	19.3	19.9	19.7	20.2	20.5	14.8	15.4	15.2	15.7	16.0
6H	19.4	20.0	19.8	20.3	20.7	14.9	15.5	15.3	15.8	16.1
8H	19.5	20.0	19.9	20.4	20.7	14.9	15.4	15.3	15.8	16.2
12H	19.6	20.0	20.0	20.4	20.8	14.9	15.4	15.3	15.8	16.1
8H 4H	19.2	19.7	19.6	20.1	20.5	14.9	15.4	15.3	15.8	16.1
6H	19.4	19.8	19.8	20.2	20.6	15.1	15.5	15.5	15.9	16.3
8H	19.5	19.9	20.0	20.3	20.7	15.2	15.5	15.6	15.9	16.4
12H	19.6	20.0	20.1	20.4	20.9	15.2	15.5	15.6	15.9	16.4
12H 4H	19.2	19.7	19.6	20.0	20.4	14.9	15.4	15.3	15.8	16.1
6H	19.4	19.7	19.8	20.2	20.6	15.1	15.5	15.6	15.9	16.4
8H	19.5	19.8	20.0	20.3	20.7	15.2	15.5	15.7	16.0	16.4
Variations with the observer position at spacings:										
S = 1.0H	+ 3.7 / - 3.8					+ 1.4 / - 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, 652.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.5)
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:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

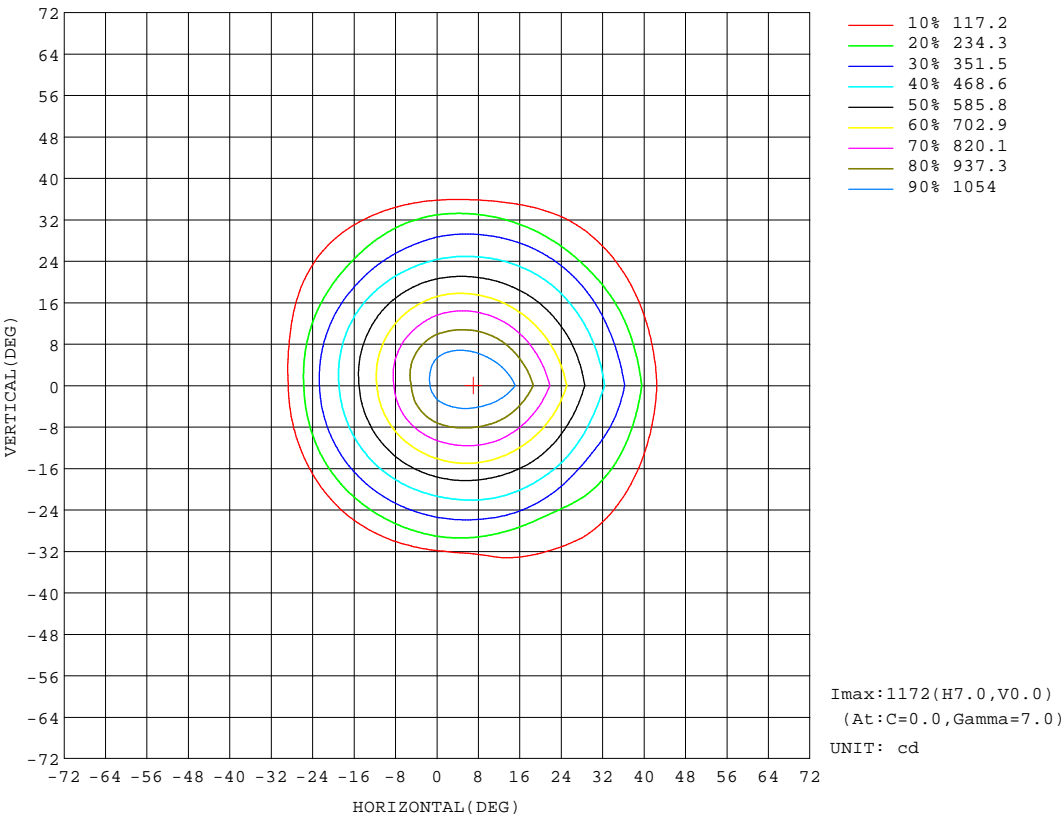
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	91	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	102	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:230.99V I:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

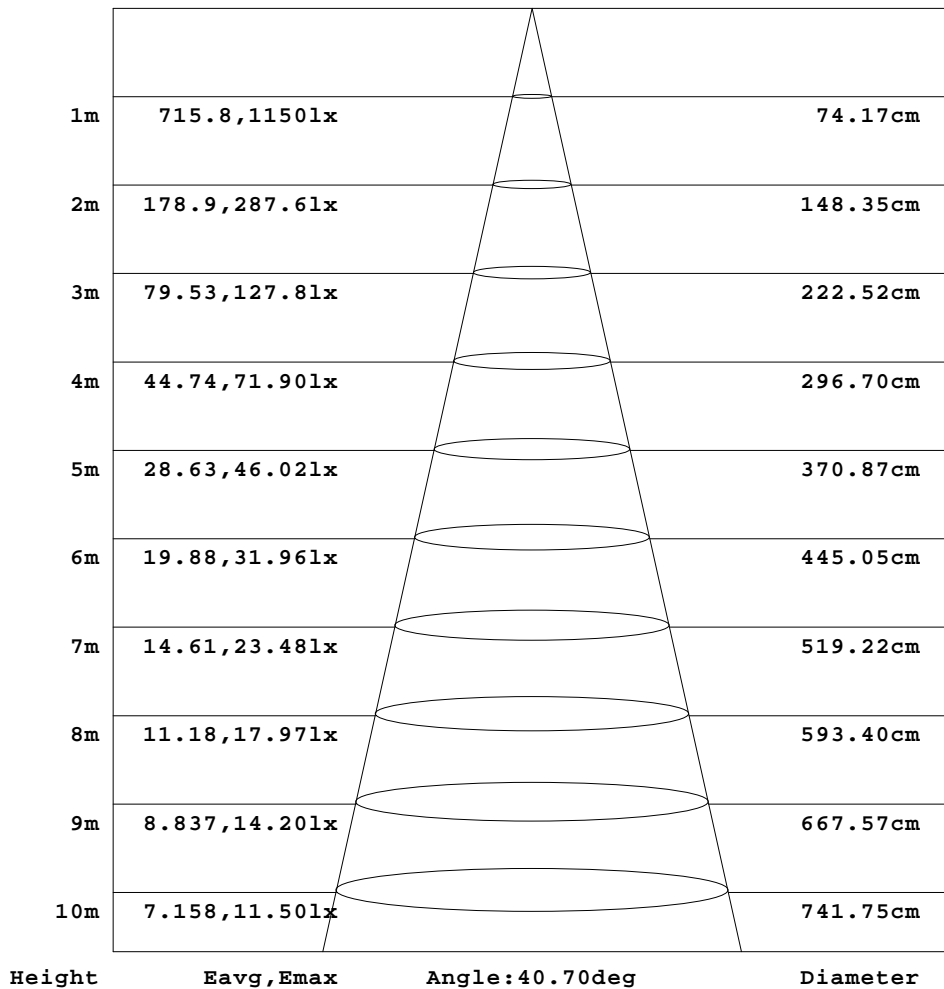


C Range: 0 - 360DEG	C Range: 0 - 90DEG
C Interval: 2.5DEG	C Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.416
Temperature:25.3DEG	Humidity:65.0%
Operators:will	Test Distance:8.989m [K=1.0000]
Test Date:21 October 2024	Remarks:

AAI Figure

Test:U:230.99V I:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:314.4 lm



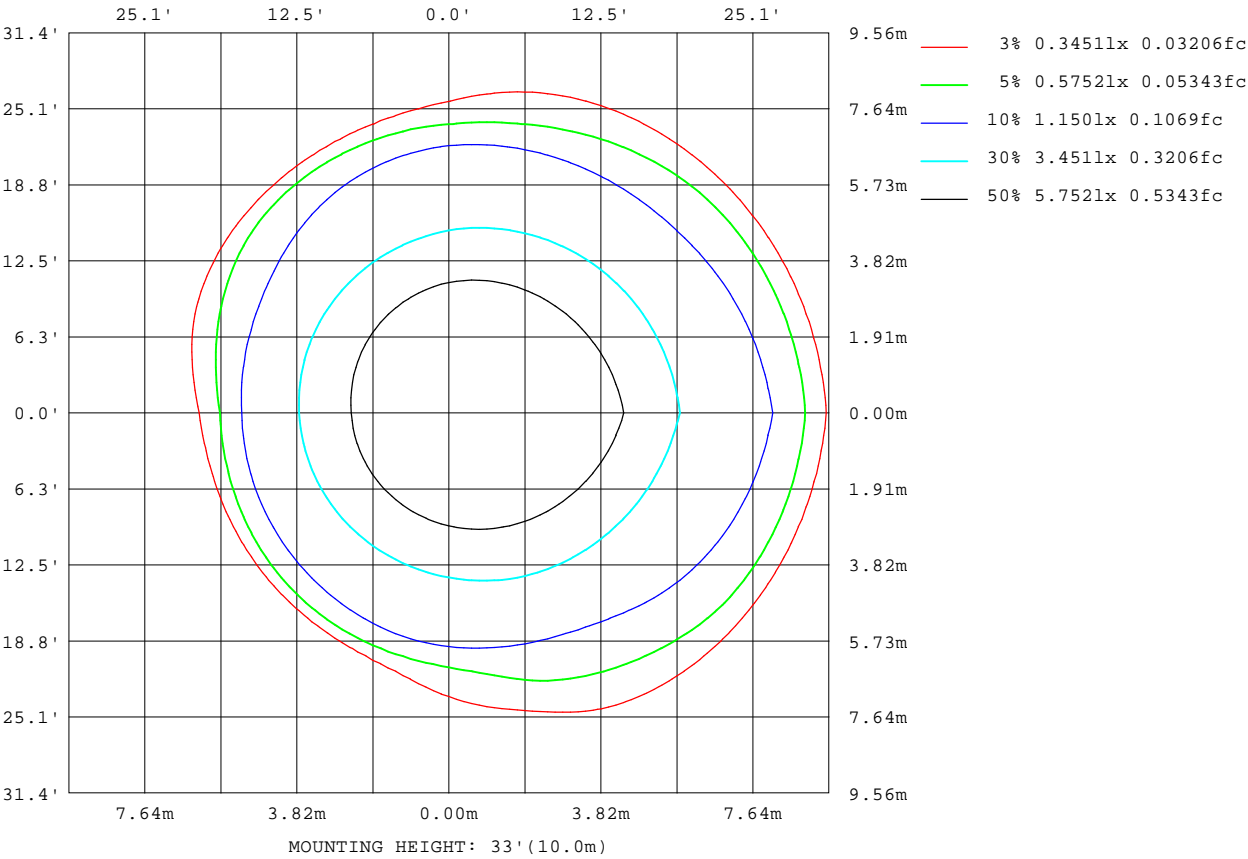
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 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:0.0361A P:7.9380W PF:0.9513 Freq:49.99Hz Lamp Flux:652.175x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

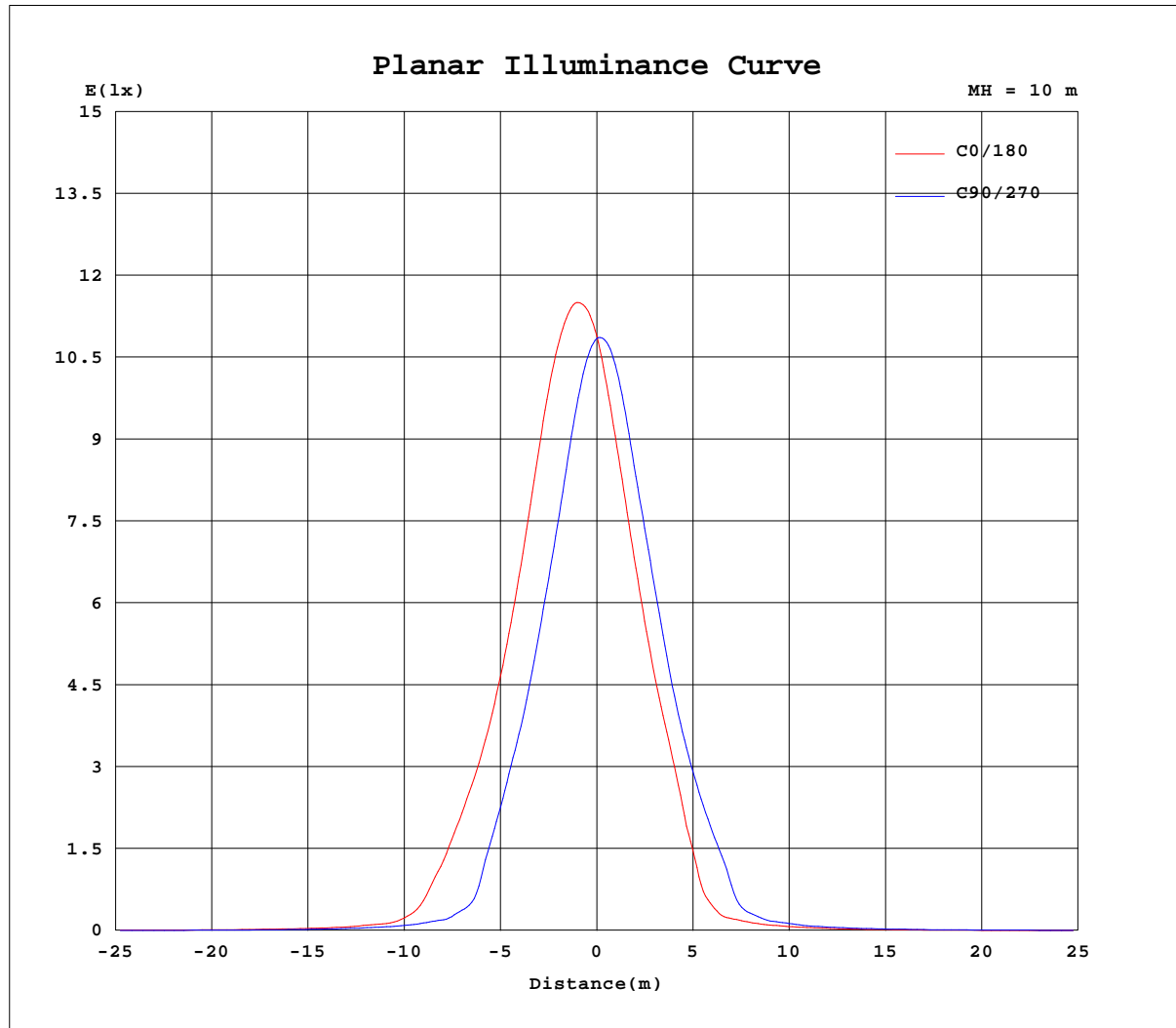
AvgL	cd/m2
L_0~180(65)av	3574
L_0~180(75)av	2723
L_0~180(85)av	2596
L_90~270(65)av	3245
L_90~270(75)av	2419
L_90~270(85)av	1939
L_45(65)av	3274
L_45(75)av	2437
L_45(85)av	2023

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:

