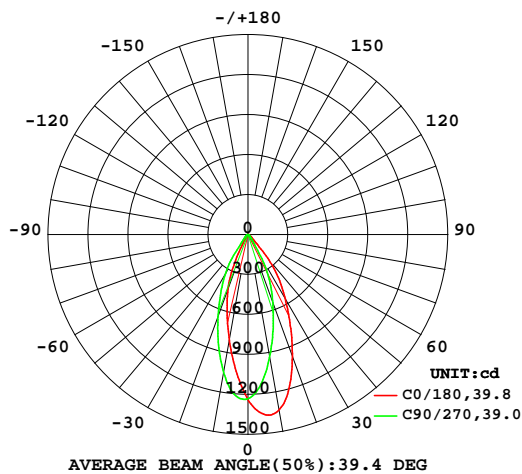


LUMINAIRE PHOTOMETRIC TEST REPORT

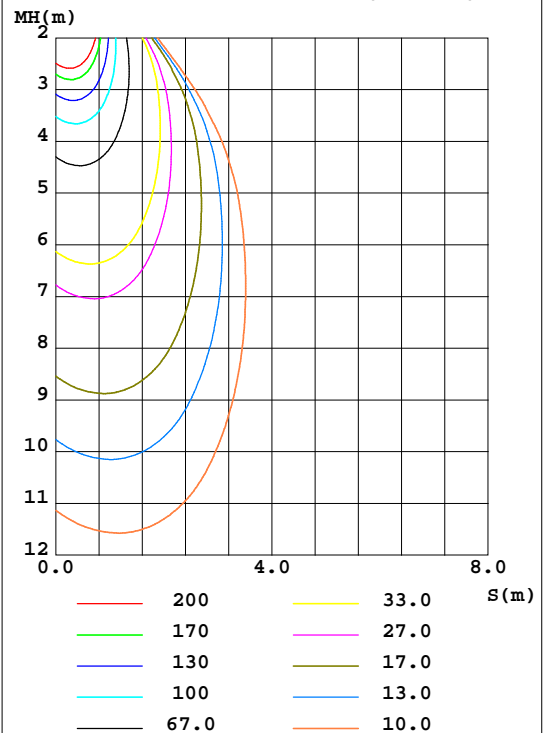
Test:U:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.79 lm/W			
MODEL	3000K	Imax(cd)	1364	S/MH(C0/180)	0.48
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	0.67
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	703.24	h UP,DN(C0-180)	0.0,46.7
NOMINAL FLUX(lm)	703.238	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:

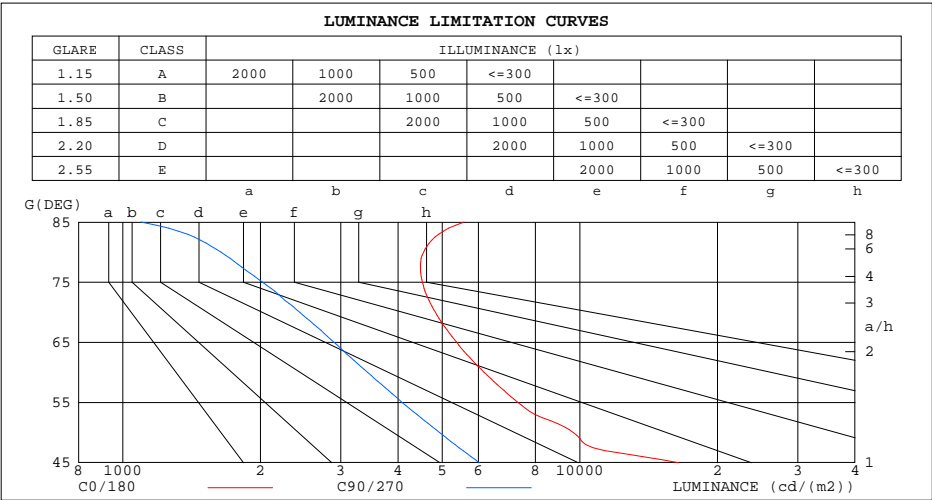
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1352	1225	1128	1054	1030	1101	1203	1281	0- 5	28.70	28.70	4.08,4.08
10	1338	1103	936.4	832.1	808.6	904.6	1052	1190	5- 10	77.99	106.7	15.2,15.2
15	1196	922.6	733.5	626.4	608.3	704.1	857.8	1016	10- 15	108.8	215.5	30.6,30.6
20	976.8	721.4	547.4	455.2	443.8	525.6	660.0	805.8	15- 20	119.8	335.3	47.7,47.7
25	754.9	542.5	387.5	280.9	249.7	342.4	486.0	616.4	20- 25	113.7	449.0	63.8,63.8
30	561.7	359.9	212.7	109.2	81.50	188.0	338.7	454.5	25- 30	92.07	541.0	76.9,76.9
35	403.8	200.6	72.25	27.68	40.34	86.72	166.7	271.4	30- 35	62.50	603.5	85.8,85.8
40	234.3	114.6	40.25	19.90	27.95	32.88	61.02	130.1	35- 40	36.58	640.1	91,91
45	73.95	45.43	27.07	19.96	20.85	26.80	38.02	53.64	40- 45	19.99	660.1	93.9,93.9
50	39.56	28.03	20.17	15.96	15.47	19.48	25.80	32.25	45- 50	11.85	672.0	95.6,95.6
55	26.72	19.79	14.91	11.89	11.32	14.55	19.18	22.99	50- 55	9.006	681.0	96.8,96.8
60	19.64	14.54	10.92	8.584	8.104	10.64	14.21	17.01	55- 60	6.971	687.9	97.8,97.8
65	14.46	10.58	7.796	5.952	5.542	7.554	10.36	12.50	60- 65	5.339	693.3	98.6,98.6
70	10.51	7.484	5.303	3.821	3.478	5.123	7.386	9.046	65- 70	3.955	697.2	99.1,99.1
75	7.450	5.057	3.332	2.156	1.885	3.204	5.009	6.315	70- 75	2.778	700.0	99.5,99.5
80	5.025	3.160	1.812	0.8837	0.6627	1.692	3.105	4.130	75- 80	1.796	701.8	99.8,99.8
85	3.094	1.615	0.6079	0.0519	0.0124	0.7088	1.659	2.403	80- 85	0.9943	702.8	99.9,99.9
90	1.632	0.6106	0	0	0.0124	0.1563	0.4469	0.9458	85- 90	0.4430	703.2	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:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 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	5584	1097
80	4551	1641
75	4527	2024
70	4833	2439
65	5381	2901
60	6178	3434
55	7326	4088
50	9679	4935
45	16446	6022

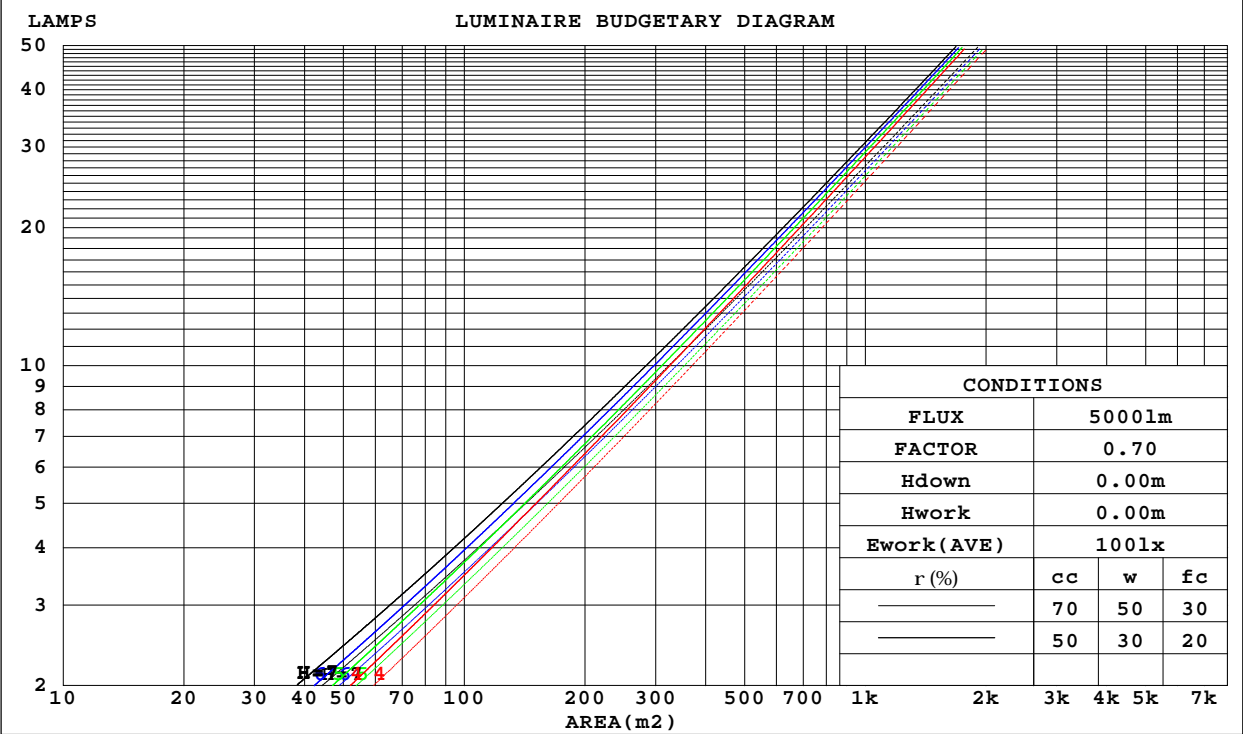
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 lm																	
NAME: 5RS425 Vshape反光杯									TYPE:			WEIGHT:					
SPEC.:									DIM.:			SERIAL No.:					
MFR.: EVERFINE									SUR.:			Shielding Angle:					

r _{cc}	80%			70%			50%			30%			10%			0	
r _w	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:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 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:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 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	19.3	20.2	19.5	20.3	20.5	14.2	15.1	14.4	15.3	15.4	
	3H	19.4	20.2	19.6	20.4	20.6	14.4	15.3	14.7	15.5	15.7
	4H	19.4	20.2	19.7	20.4	20.7	14.5	15.3	14.8	15.5	15.7
	6H	19.5	20.2	19.8	20.5	20.7	14.5	15.3	14.8	15.5	15.8
	8H	19.5	20.2	19.8	20.5	20.7	14.5	15.3	14.8	15.5	15.8
	12H	19.5	20.2	19.9	20.5	20.8	14.5	15.2	14.8	15.5	15.7
4H	2H	19.1	19.9	19.4	20.1	20.3	14.3	15.1	14.6	15.4	15.6
	3H	19.3	20.0	19.6	20.2	20.5	14.7	15.4	15.1	15.7	16.0
	4H	19.4	20.0	19.7	20.3	20.6	14.9	15.5	15.2	15.8	16.1
	6H	19.5	20.1	19.9	20.4	20.7	15.0	15.5	15.4	15.9	16.2
	8H	19.6	20.1	20.0	20.4	20.8	15.0	15.5	15.4	15.9	16.2
	12H	19.7	20.1	20.1	20.5	20.9	15.0	15.5	15.4	15.8	16.2
8H	4H	19.3	19.8	19.7	20.2	20.5	15.0	15.5	15.4	15.9	16.2
	6H	19.5	19.9	19.9	20.3	20.7	15.2	15.6	15.6	16.0	16.4
	8H	19.6	20.0	20.0	20.4	20.8	15.2	15.6	15.7	16.0	16.5
	12H	19.7	20.1	20.2	20.5	21.0	15.3	15.6	15.7	16.0	16.5
12H	4H	19.3	19.7	19.7	20.1	20.5	15.0	15.5	15.4	15.8	16.2
	6H	19.5	19.8	19.9	20.2	20.7	15.2	15.6	15.7	16.0	16.5
	8H	19.6	19.9	20.0	20.3	20.8	15.3	15.6	15.8	16.1	16.5
Variations with the observer position at spacings:											
S = 1.0H	+ 3.6 / - 3.7					+ 1.4 / - 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, 703.2 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.2)
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:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

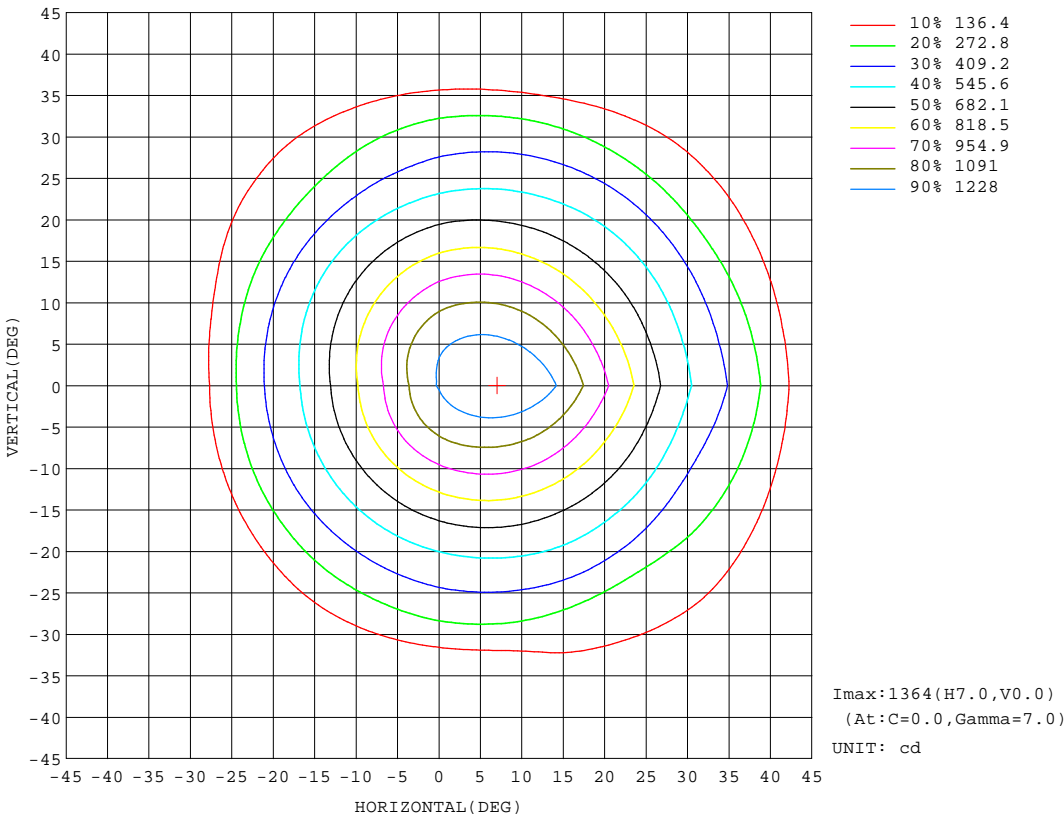
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	86	79	75	85	79	75	85	79	75	72
0.80	93	87	83	93	87	83	92	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:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



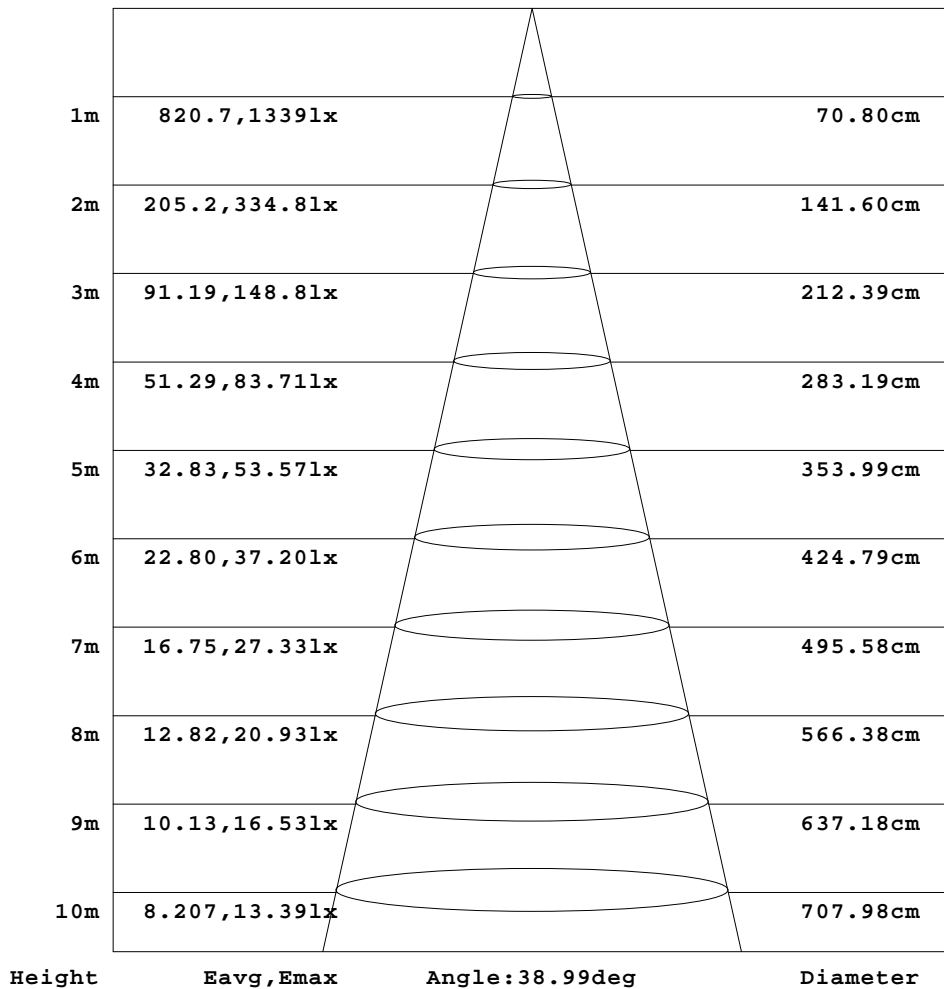
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.96V I:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:323.3 lm



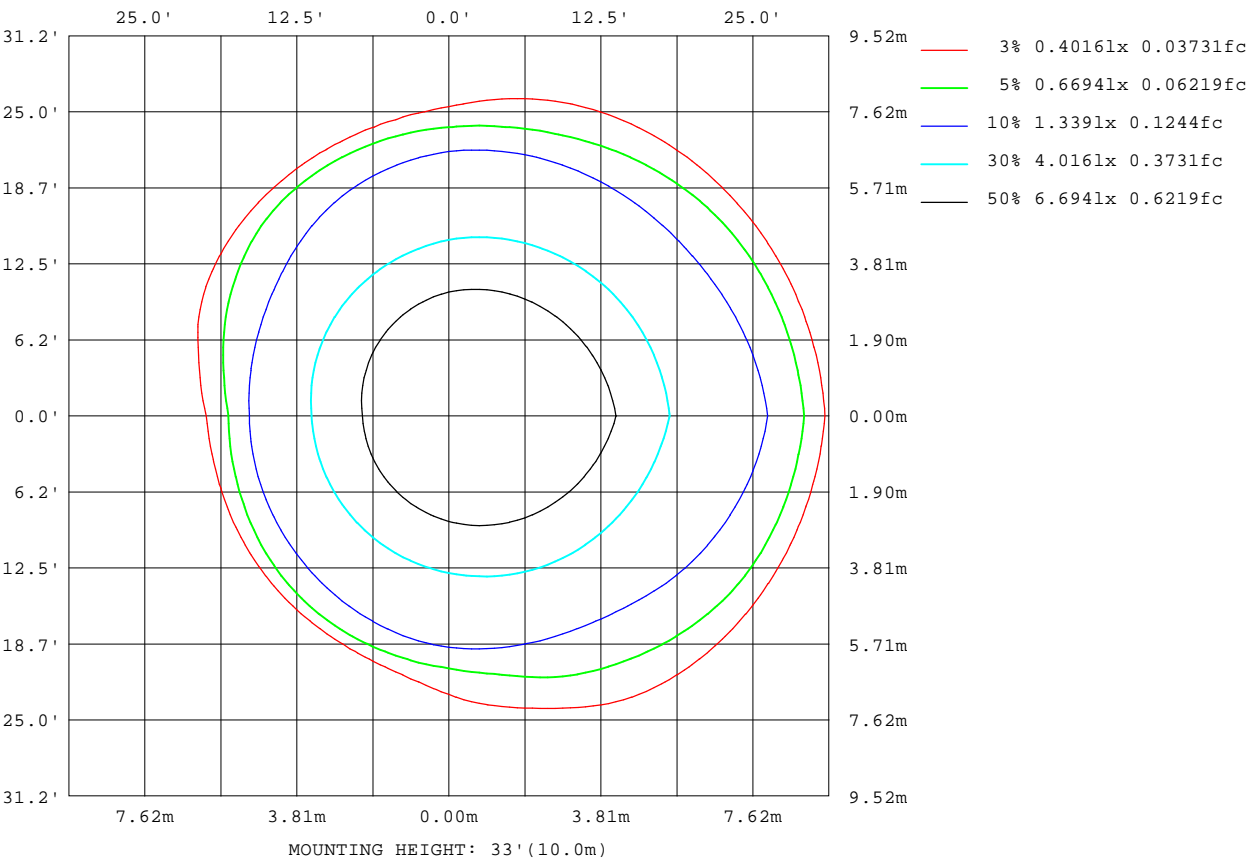
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 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:0.0364A P:8.0104W PF:0.9517 Freq:49.99Hz Lamp Flux:703.238x1 lm		
NAME: 5RS425 Vshape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

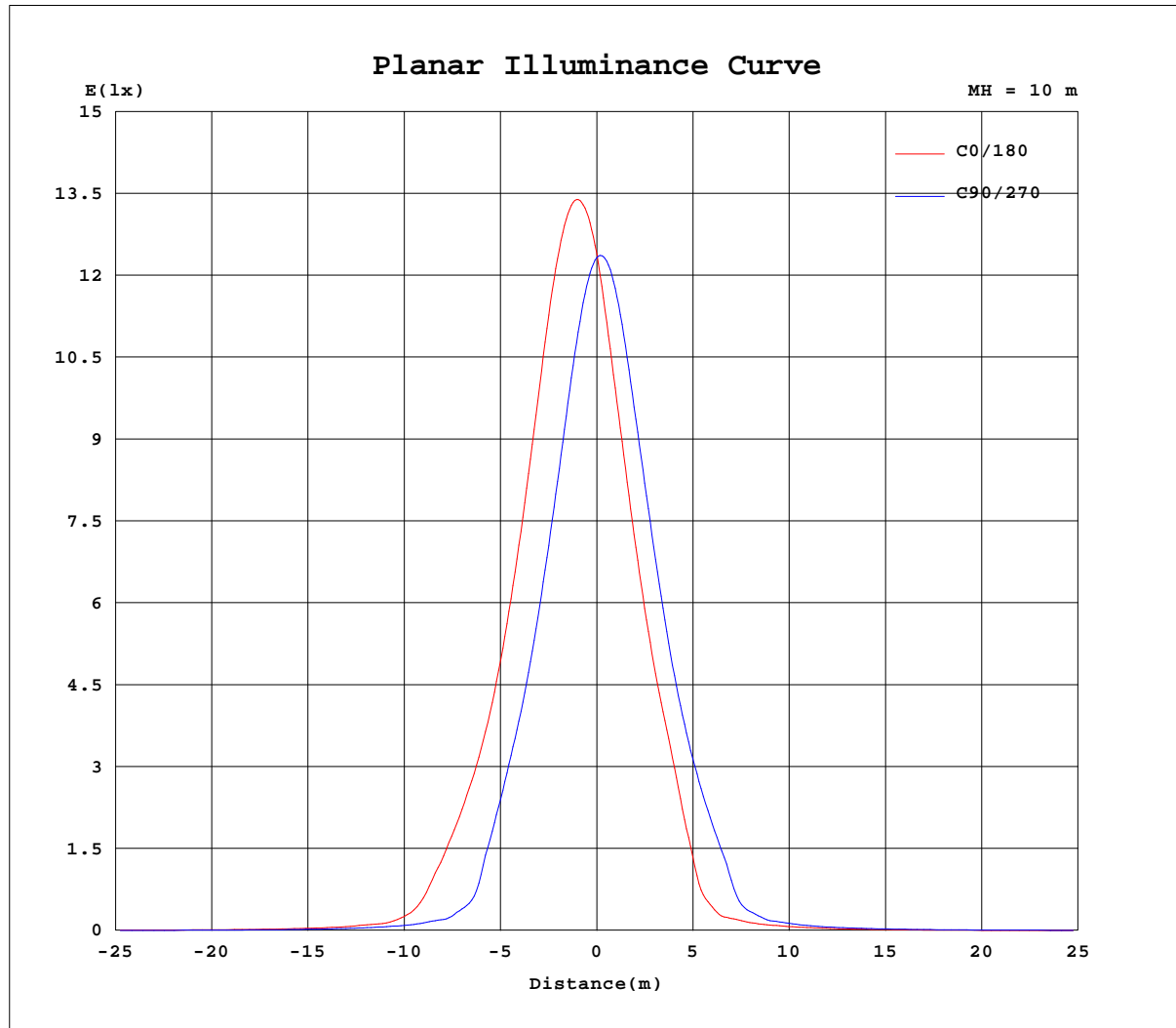
AvgL	cd/m2
L_0~180(65)av	3722
L_0~180(75)av	2836
L_0~180(85)av	2803
L_90~270(65)av	3378
L_90~270(75)av	2534
L_90~270(85)av	2045
L_45(65)av	3403
L_45(75)av	2542
L_45(85)av	2156

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:

