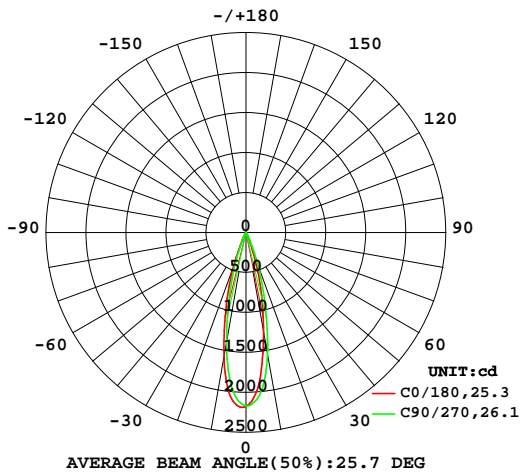


LUMINAIRE PHOTOMETRIC TEST REPORT

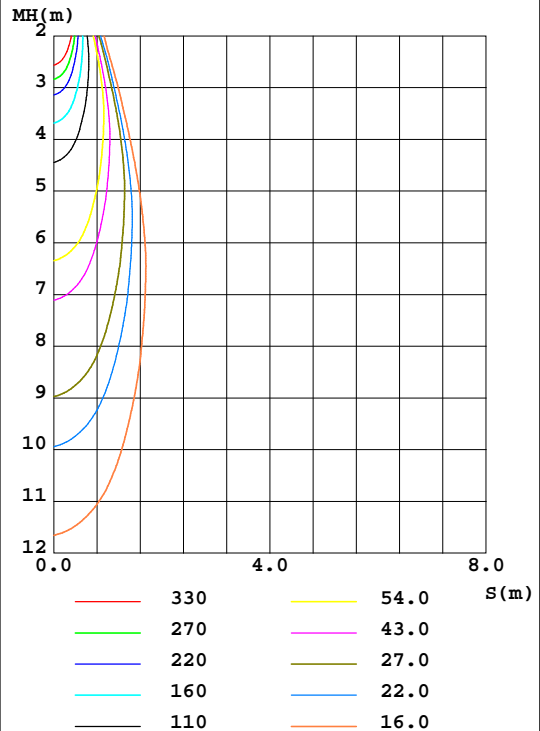
Test:U:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.80 lm/W			
MODEL	4000K	I _{max} (cd)	2185	S/MH(C0/180)	0.47
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	498.11	h UP,DN(C0-180)	0.0,52.3
NOMINAL FLUX(lm)	498.112	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,47.7
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:

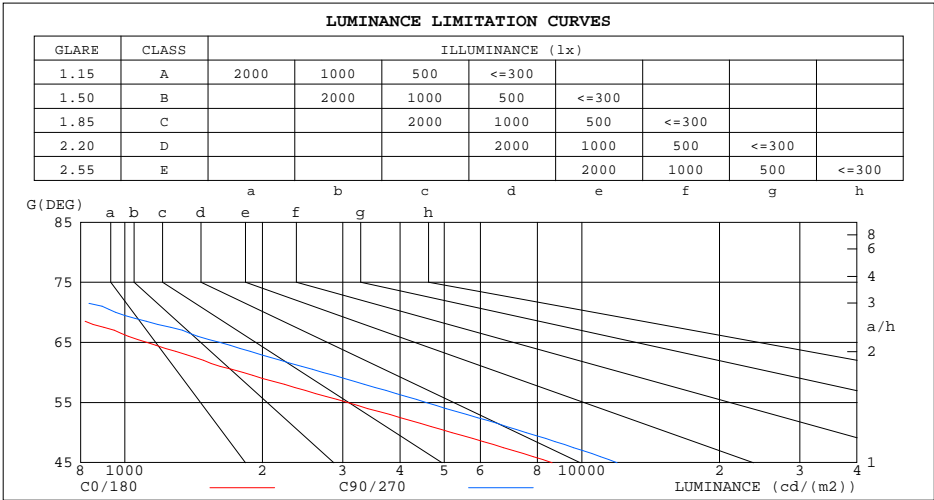
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1893	1971	2029	2073	2086	2035	1968	1925	0- 5	49.85	49.85	10,10
10	1272	1448	1559	1600	1584	1505	1406	1333	5- 10	123.5	173.3	34.8,34.8
15	718.9	841.4	923.6	969.1	967.5	888.5	794.5	744.5	10- 15	134.1	307.4	61.7,61.7
20	266.8	388.9	463.4	486.5	469.8	414.5	348.2	302.5	15- 20	99.78	407.2	81.8,81.8
25	85.38	127.2	150.1	150.7	139.4	124.8	108.6	96.04	20- 25	48.61	455.8	91.5,91.5
30	33.00	52.14	62.99	64.53	59.77	49.69	39.24	34.33	25- 30	20.61	476.4	95.6,95.6
35	18.42	21.57	23.26	23.29	22.25	20.35	18.55	18.04	30- 35	8.668	485.1	97.4,97.4
40	9.639	12.84	14.55	14.57	13.54	11.75	10.04	9.449	35- 40	5.475	490.6	98.5,98.5
45	5.208	6.523	7.225	7.229	6.796	6.041	5.324	5.097	40- 45	3.161	493.7	99.1,99.1
50	2.857	3.685	4.149	4.215	3.987	3.453	2.930	2.771	45- 50	1.918	495.6	99.5,99.5
55	1.509	1.975	2.239	2.286	2.164	1.853	1.546	1.455	50- 55	1.137	496.8	99.7,99.7
60	0.7767	1.019	1.161	1.197	1.142	0.9682	0.7950	0.7448	55- 60	0.6382	497.4	99.9,99.9
65	0.4041	0.5178	0.5835	0.5985	0.5709	0.4901	0.4102	0.3878	60- 65	0.3444	497.8	99.9,99.9
70	0.2173	0.2567	0.2790	0.2837	0.2728	0.2411	0.2110	0.2057	65- 70	0.1810	497.9	100,100
75	0.1118	0.1241	0.1302	0.1298	0.1241	0.1105	0.0993	0.1009	70- 75	0.0927	498.0	100,100
80	0.0560	0.0667	0.0744	0.0806	0.0806	0.0651	0.0497	0.0482	75- 80	0.0457	498.1	100,100
85	0.0124	0.0124	0.0124	0.0120	0.0124	0.0159	0.0186	0.0171	80- 85	0.0196	498.1	100,100
90	0	0.0039	0.0062	0.0070	0.0062	0.0031	0	0	85- 90	0.0046	498.1	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:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	167	167
80	377	501
75	505	589
70	743	954
65	1119	1615
60	1817	2715
55	3078	4567
50	5199	7551
45	8616	11953

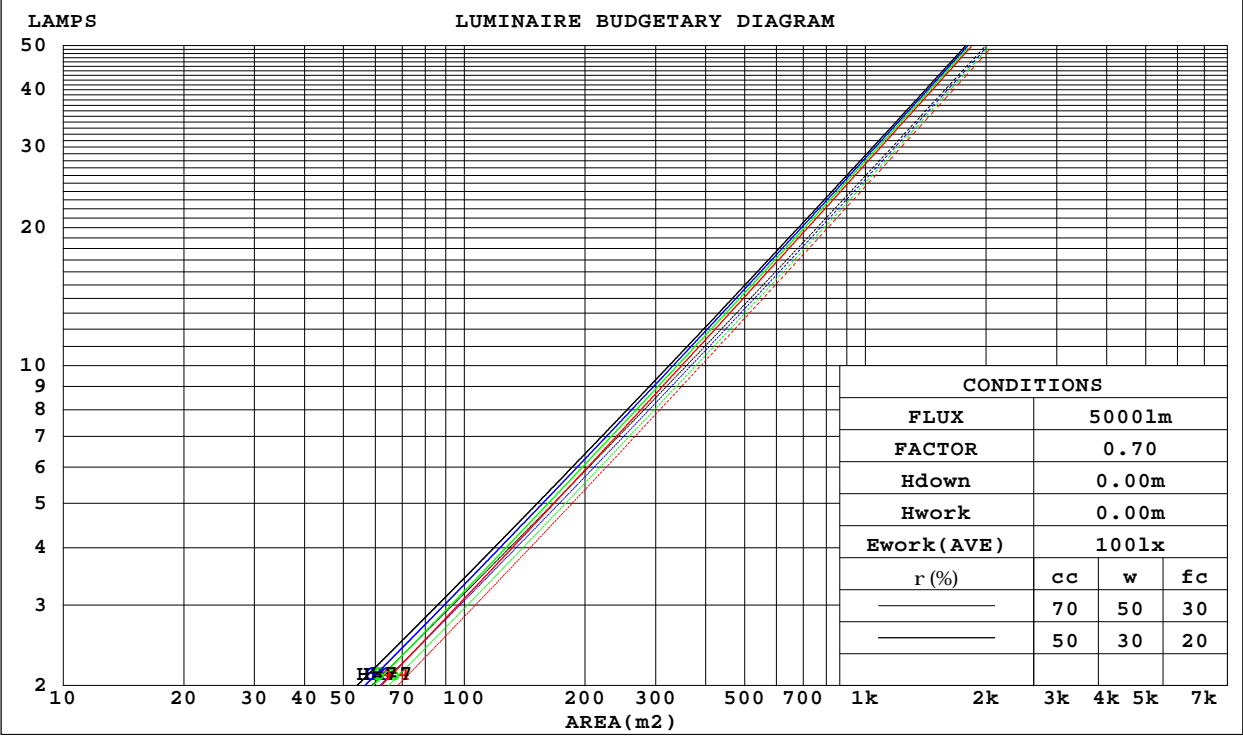
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape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 Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.13	1.11	1.09	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97
2.0	1.08	1.05	1.02	1.06	1.03	1.01	1.03	1.01	.99	1.00	.98	.97	.97	.96	.95	.93
3.0	1.03	.00	.97	1.02	.99	.96	.99	.97	.95	.97	.95	.93	.95	.93	.92	.90
4.0	.99	.95	.92	.98	.95	.92	.96	.93	.91	.94	.92	.90	.93	.90	.89	.88
5.0	.96	.92	.89	.95	.91	.88	.93	.90	.87	.92	.89	.87	.90	.88	.86	.85
6.0	.92	.88	.85	.92	.88	.85	.90	.87	.84	.89	.86	.84	.88	.85	.83	.82
7.0	.89	.85	.82	.89	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.80
8.0	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78
9.0	.84	.80	.77	.84	.80	.77	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76
10.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.75	.80	.77	.75	.74



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:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 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	.136	.077	.025	.129	.074	.023	.117	.067	.021	.106	.061	.020	.095	.055	.018	
2.0	.126	.069	.021	.121	.066	.020	.110	.061	.019	.101	.057	.018	.092	.052	.016	
3.0	.117	.062	.019	.113	.060	.018	.104	.057	.017	.097	.053	.016	.089	.049	.015	
4.0	.110	.057	.017	.106	.056	.016	.099	.053	.016	.092	.050	.015	.086	.047	.014	
5.0	.104	.053	.015	.100	.052	.015	.094	.049	.014	.089	.047	.014	.083	.045	.013	
6.0	.098	.049	.014	.095	.048	.014	.090	.046	.013	.085	.044	.013	.081	.042	.013	
7.0	.093	.046	.013	.091	.045	.013	.086	.044	.013	.082	.042	.012	.078	.040	.012	
8.0	.089	.043	.012	.087	.043	.012	.083	.041	.012	.079	.040	.012	.075	.039	.011	
9.0	.085	.041	.011	.083	.040	.011	.080	.039	.011	.076	.038	.011	.073	.037	.011	
10.0	.081	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.010	.071	.036	.010	

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	.098	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.150	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.135	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.105	.085	.069	.072	.059	.048	.042	.035	.029	.013	.011	.009	
5.0	.112	.086	.066	.096	.074	.057	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.103	.076	.056	.089	.065	.049	.061	.046	.034	.035	.027	.020	.011	.009	.007	
7.0	.096	.067	.048	.082	.058	.042	.057	.041	.029	.033	.024	.018	.011	.008	.006	
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.083	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.006	.004	
10.0	.078	.050	.031	.068	.044	.027	.047	.031	.019	.027	.018	.012	.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:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 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	8.8	9.5	9.0	9.6	9.8	10.0	10.7	10.2	10.8	11.0	
	3H	8.7	9.3	9.0	9.5	9.7	9.9	10.5	10.2	10.7	
	4H	8.7	9.2	8.9	9.4	9.7	9.9	10.4	10.1	10.6	
	6H	8.6	9.1	8.9	9.4	9.6	9.8	10.3	10.1	10.6	
	8H	8.5	9.1	8.8	9.3	9.6	9.7	10.3	10.0	10.5	
	12H	8.5	9.0	8.8	9.3	9.5	9.7	10.2	10.0	10.5	
4H	2H	8.7	9.3	9.0	9.5	9.7	9.9	10.4	10.1	10.6	
	3H	8.6	9.1	8.9	9.4	9.6	9.8	10.3	10.1	10.5	
	4H	8.5	9.0	8.8	9.3	9.6	9.7	10.1	10.0	10.4	
	6H	8.4	8.8	8.8	9.2	9.5	9.6	10.0	10.0	10.3	
	8H	8.4	8.8	8.8	9.1	9.5	9.5	9.9	9.9	10.3	
	12H	8.3	8.7	8.7	9.0	9.4	9.5	9.8	9.9	10.2	
8H	4H	8.4	8.7	8.7	9.1	9.5	9.5	9.9	9.9	10.3	
	6H	8.3	8.6	8.7	9.0	9.4	9.4	9.7	9.8	10.1	
	8H	8.2	8.5	8.7	8.9	9.3	9.4	9.7	9.8	10.1	
	12H	8.1	8.4	8.6	8.8	9.3	9.3	9.5	9.8	10.0	
12H	4H	8.3	8.7	8.7	9.0	9.4	9.5	9.8	9.9	10.2	
	6H	8.2	8.5	8.6	8.9	9.3	9.4	9.6	9.8	10.1	
	8H	8.1	8.4	8.6	8.8	9.3	9.3	9.5	9.8	10.0	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.5 / - 7.0					+ 2.7 / - 6.4					
1.5H	+ 3.8 / - 4.5					+ 4.3 / - 4.9					
2.0H	+ 4.3 / - 5.1					+ 4.7 / - 5.8					

CIE Pub.117, 498.1 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.4)
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:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

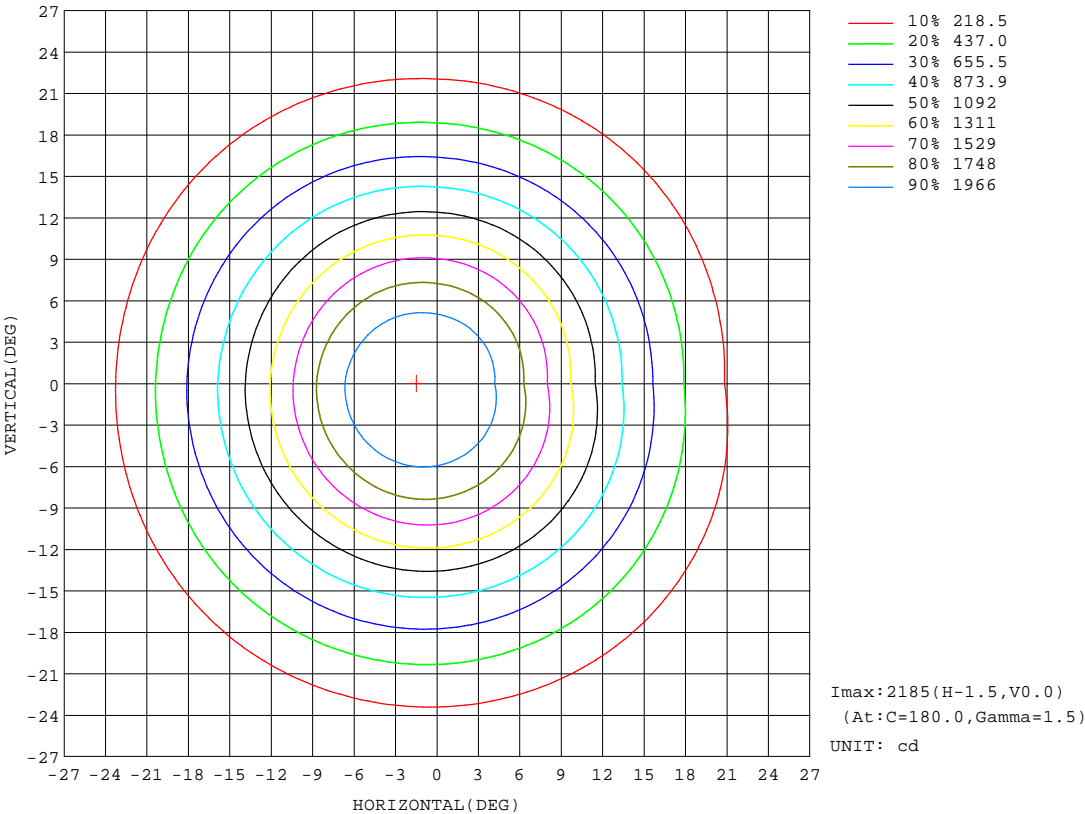
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	91	85	81	90	85	81	89	84	81	78
0.80	98	92	89	97	92	89	96	91	89	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	103	100	104	101	99	94
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	109	107	111	108	106	108	105	104	98
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:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



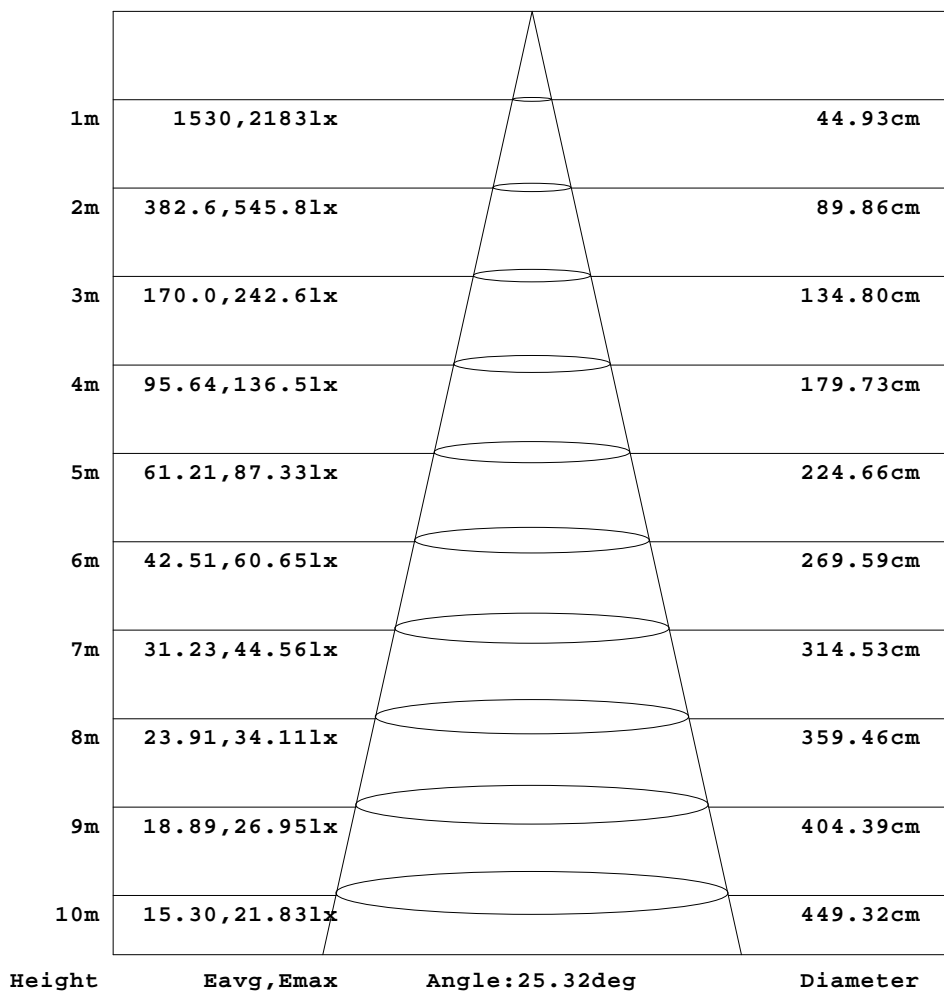
C Range: 0 - 360DEG
C Interval: 2.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:will
Test Date:21 October 2024

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:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:256.2 lm



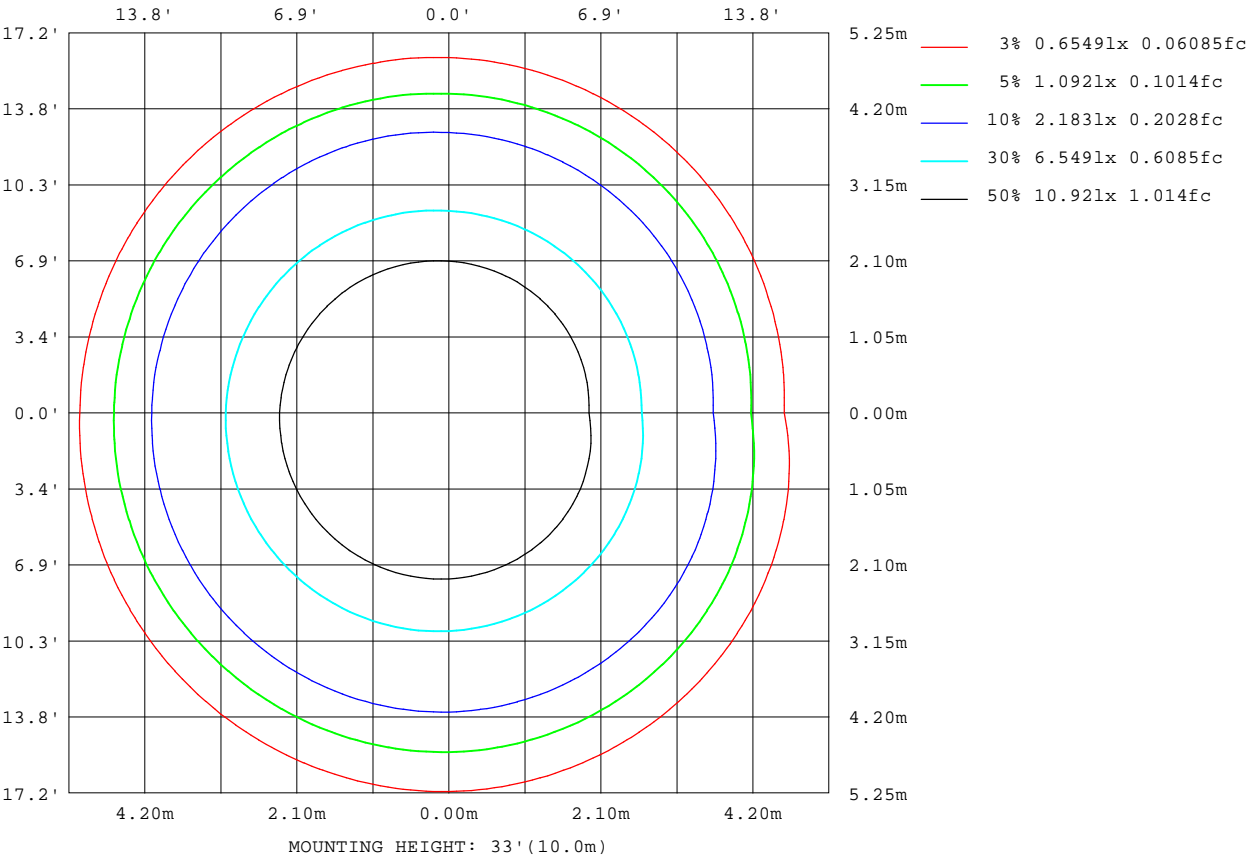
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 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:230.96V I:0.0443A P:9.8056W PF:0.9591 Freq:0Hz Lamp Flux:498.112x1 lm		
NAME: 5RS425 Ushape反光杯	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

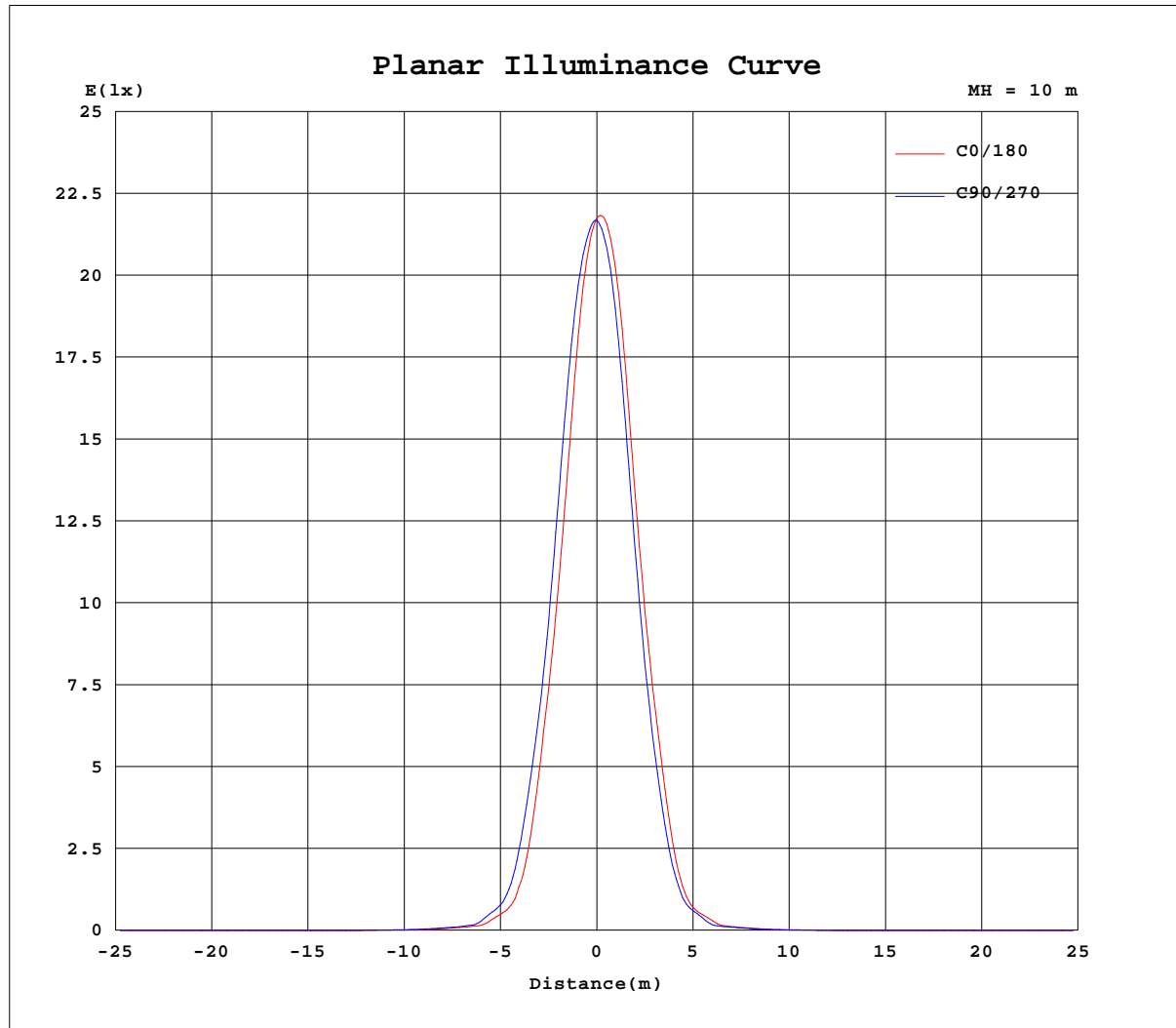
AvgL	cd/m2
L_0~180(65)av	1349
L_0~180(75)av	533
L_0~180(85)av	166
L_90~270(65)av	1375
L_90~270(75)av	519
L_90~270(85)av	208
L_45(65)av	1380
L_45(75)av	526
L_45(85)av	192

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:

