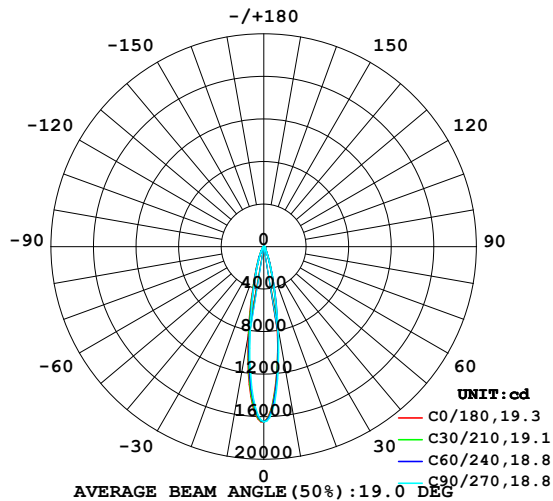


## LUMINAIRE PHOTOMETRIC TEST REPORT

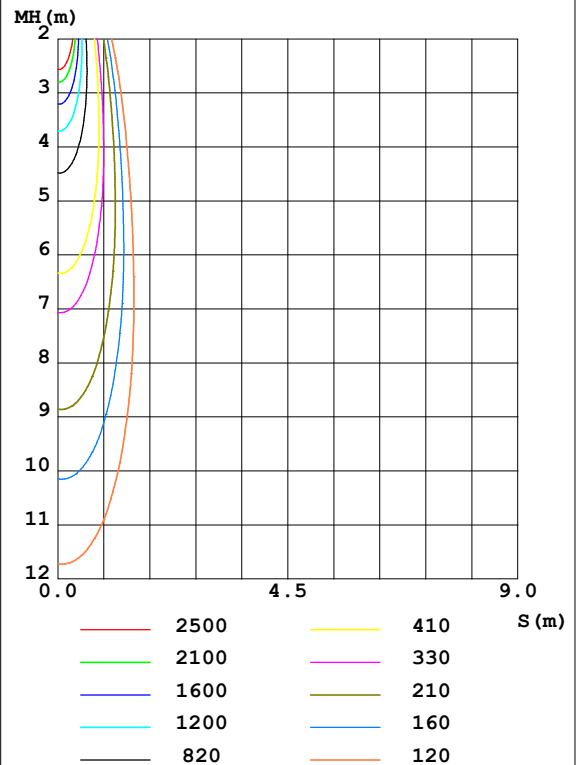
Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.27 lm/W			
MODEL	ALT85-36G30-15-L3	I <sub>max</sub> (cd)	16489	S/MH(C0/180)	0.31
NOMINAL POWER(W)	36	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2853.9	□ UP,DN(C0-180)	0.0,50.3
NOMINAL FLUX(lm)	2853.9	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,49.7
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	225	□ down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

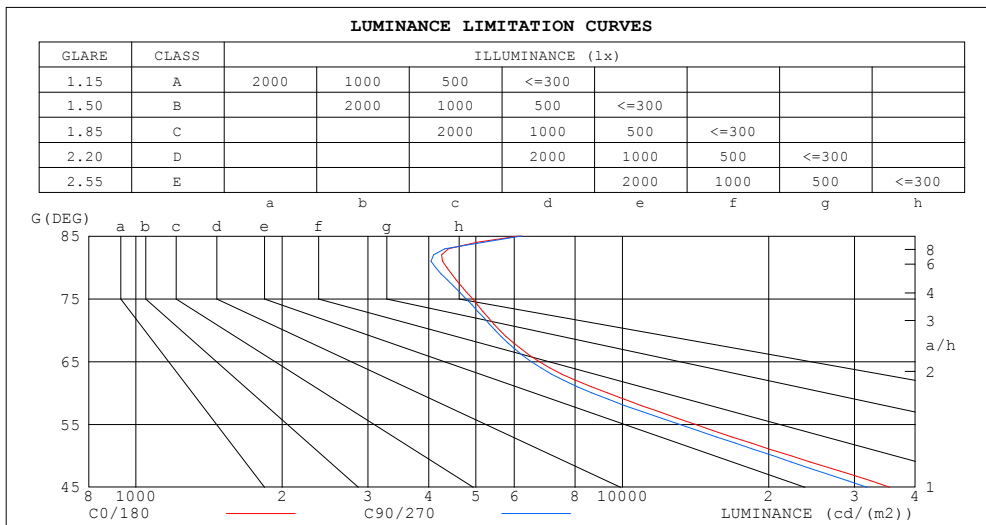
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	839.8	799.6	732.8	732.2	733.5	731.8	777.5	806.4	0- 10	1093	1093	38.3,38.3
20	188.1	181.9	164.7	162.7	159.5	157.7	164.0	171.9	10- 20	1030	2123	74.4,74.4
30	53.13	52.68	47.72	46.76	44.76	43.86	45.27	48.14	20- 30	419.4	2542	89.1,89.1
40	18.52	18.57	16.99	16.49	15.53	15.51	15.81	17.15	30- 40	180.6	2722	95.4,95.4
50	6.296	6.344	5.791	5.733	5.347	5.248	5.310	5.695	40- 50	79.05	2802	98.2,98.2
60	2.058	2.069	1.911	2.010	1.943	1.810	1.788	1.907	50- 60	30.95	2832	99.3,99.3
70	0.8446	0.8761	0.8274	0.8963	0.9128	0.8529	0.8026	0.8352	60- 70	12.80	2845	99.7,99.7
80	0.3342	0.3297	0.3171	0.3289	0.3230	0.3152	0.3248	0.3335	70- 80	6.086	2851	99.9,99.9
90	0.2708	0.2717	0.2752	0.2760	0.1671	0.1680	0.1656	0.1685	80- 90	2.518	2854	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-03-06

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	6138	6211
80	4358	4133
75	4924	4774
70	5592	5475
65	6740	6493
60	9322	8650
55	14094	13080
50	22179	20390
45	35434	31866

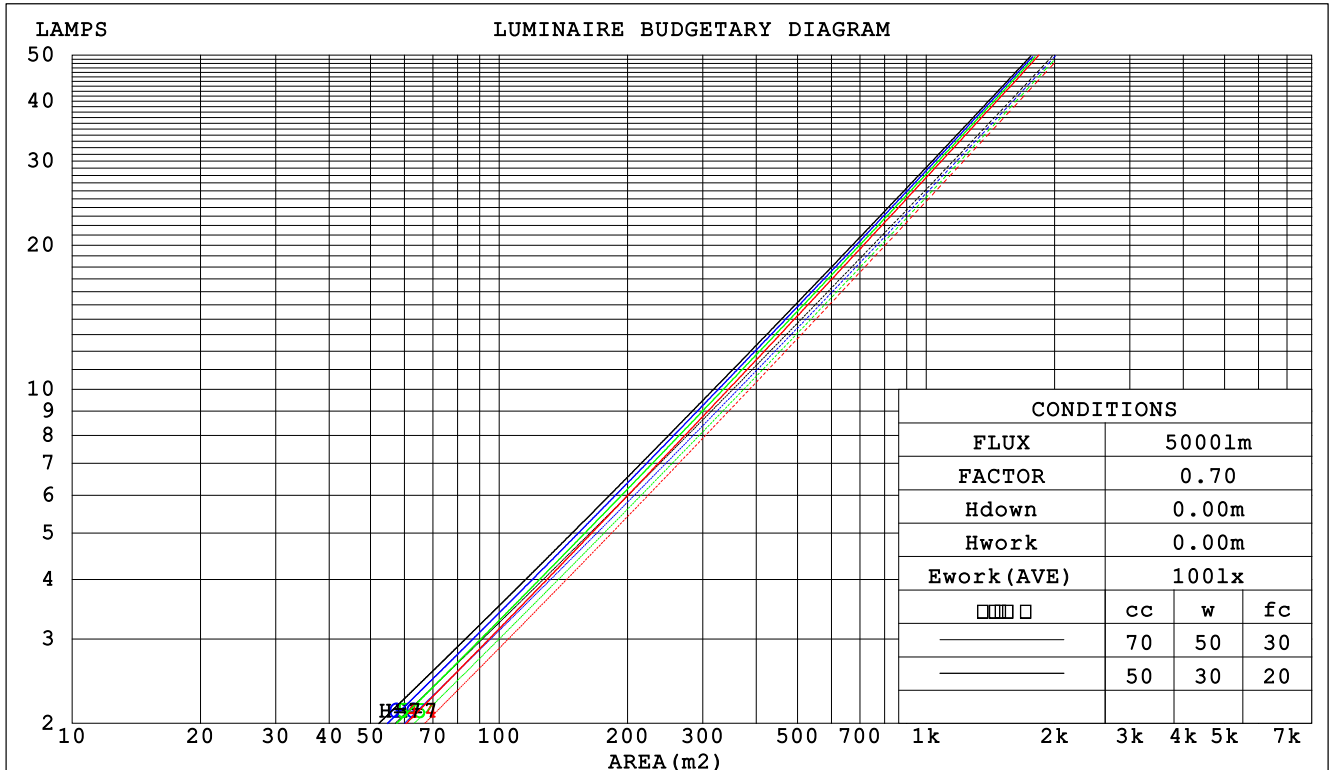
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-03-06

□ Range: 0 - 90DEG  
 □ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

### WEC AND CCEC

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm					
NAME:		TYPE:		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:75		Shielding Angle:	

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0																
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0																
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0																
RCR	RCR:Room Cavity Ratio																Wall Exitance Coefficients(WEC)															
0.0																																
1.0	.143	.082	.026	.137	.078	.025	.124	.071	.023	.113	.065	.021	.102	.059	.019																	
2.0	.133	.073	.022	.128	.070	.022	.118	.065	.020	.108	.061	.019	.099	.056	.018																	
3.0	.125	.066	.020	.120	.064	.019	.111	.060	.018	.103	.057	.017	.096	.053	.016																	
4.0	.117	.061	.018	.113	.059	.017	.106	.056	.017	.099	.053	.016	.093	.050	.015																	
5.0	.110	.056	.016	.107	.055	.016	.100	.052	.015	.095	.050	.015	.089	.048	.014																	
6.0	.104	.052	.015	.101	.051	.015	.096	.049	.014	.091	.047	.014	.086	.045	.013																	
7.0	.098	.049	.014	.096	.048	.014	.091	.046	.013	.087	.045	.013	.083	.043	.013																	
8.0	.093	.046	.013	.091	.045	.013	.087	.044	.012	.083	.042	.012	.080	.041	.012																	
9.0	.089	.043	.012	.087	.043	.012	.084	.041	.012	.080	.040	.012	.077	.039	.011																	
10.0	.085	.041	.011	.083	.040	.011	.080	.039	.011	.077	.038	.011	.074	.037	.011																	

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0	
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
<input type="checkbox"/> fc	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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017		
2.0	.151	.133	.117	.129	.114	.101	.089	.079	.071	.051	.046	.041	.016	.015	.013		
3.0	.136	.113	.095	.117	.098	.082	.080	.068	.058	.046	.040	.034	.015	.013	.011		
4.0	.124	.098	.078	.107	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009		
5.0	.114	.086	.065	.098	.074	.057	.067	.052	.040	.039	.030	.024	.013	.010	.008		
6.0	.105	.076	.055	.090	.066	.048	.062	.046	.034	.036	.027	.020	.012	.009	.007		
7.0	.097	.068	.047	.084	.059	.041	.058	.041	.029	.034	.024	.017	.011	.008	.006		
8.0	.091	.061	.040	.078	.053	.035	.054	.037	.025	.032	.022	.015	.010	.007	.005		
9.0	.085	.055	.035	.073	.048	.031	.051	.034	.022	.030	.020	.013	.010	.007	.004		
10.0	.080	.051	.031	.069	.044	.027	.048	.031	.019	.028	.018	.011	.009	.006	.004		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm										
NAME:			TYPE:			WEIGHT:				
SPEC.:			DIM.:			SERIAL No.:				
MFR.:			SUR.:75			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	13.4	14.1	13.6	14.2	14.4	13.0	13.6	13.2	13.8	13.9
3H	13.4	14.0	13.6	14.2	14.4	13.0	13.6	13.2	13.8	14.0
4H	13.4	14.0	13.6	14.2	14.4	13.0	13.6	13.2	13.8	14.0
6H	13.4	13.9	13.6	14.2	14.4	12.9	13.5	13.2	13.7	14.0
8H	13.3	13.9	13.6	14.1	14.4	12.9	13.5	13.2	13.7	14.0
12H	13.3	13.9	13.6	14.1	14.4	12.9	13.4	13.2	13.7	14.0
4H 2H	13.3	13.9	13.5	14.1	14.3	12.9	13.5	13.1	13.7	13.9
3H	13.3	13.9	13.6	14.1	14.4	12.9	13.5	13.2	13.7	14.0
4H	13.3	13.8	13.7	14.1	14.4	12.9	13.4	13.3	13.7	14.0
6H	13.3	13.8	13.7	14.1	14.4	12.9	13.4	13.3	13.7	14.0
8H	13.3	13.7	13.7	14.1	14.4	12.9	13.3	13.3	13.7	14.0
12H	13.3	13.7	13.7	14.1	14.4	12.9	13.3	13.3	13.7	14.1
8H 4H	13.2	13.6	13.6	14.0	14.4	12.9	13.3	13.2	13.6	14.0
6H	13.3	13.6	13.7	14.0	14.4	12.9	13.2	13.3	13.6	14.0
8H	13.3	13.6	13.7	14.0	14.4	12.9	13.2	13.3	13.6	14.0
12H	13.3	13.5	13.8	14.0	14.5	12.9	13.2	13.4	13.6	14.1
12H 4H	13.2	13.6	13.6	13.9	14.3	12.8	13.2	13.2	13.5	13.9
6H	13.2	13.5	13.7	13.9	14.4	12.8	13.1	13.3	13.6	14.0
8H	13.2	13.5	13.7	13.9	14.4	12.9	13.1	13.3	13.5	14.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 3.7					+ 1.8 / - 3.6				
1.5H	+ 3.0 / - 3.0					+ 2.9 / - 2.8				
2.0H	+ 3.7 / - 3.1					+ 3.5 / - 2.8				

CIE Pub.117, 2854 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:

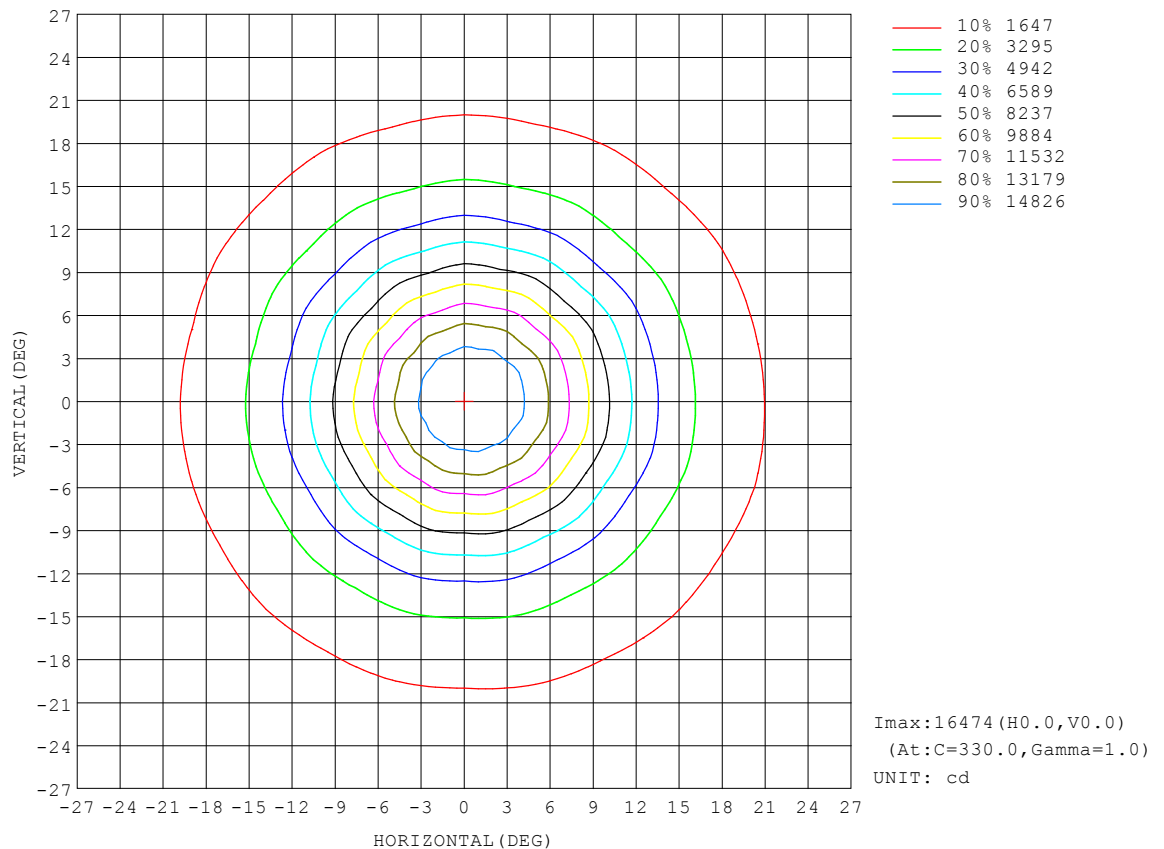
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	82	79	87	82	79	75
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.240m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:



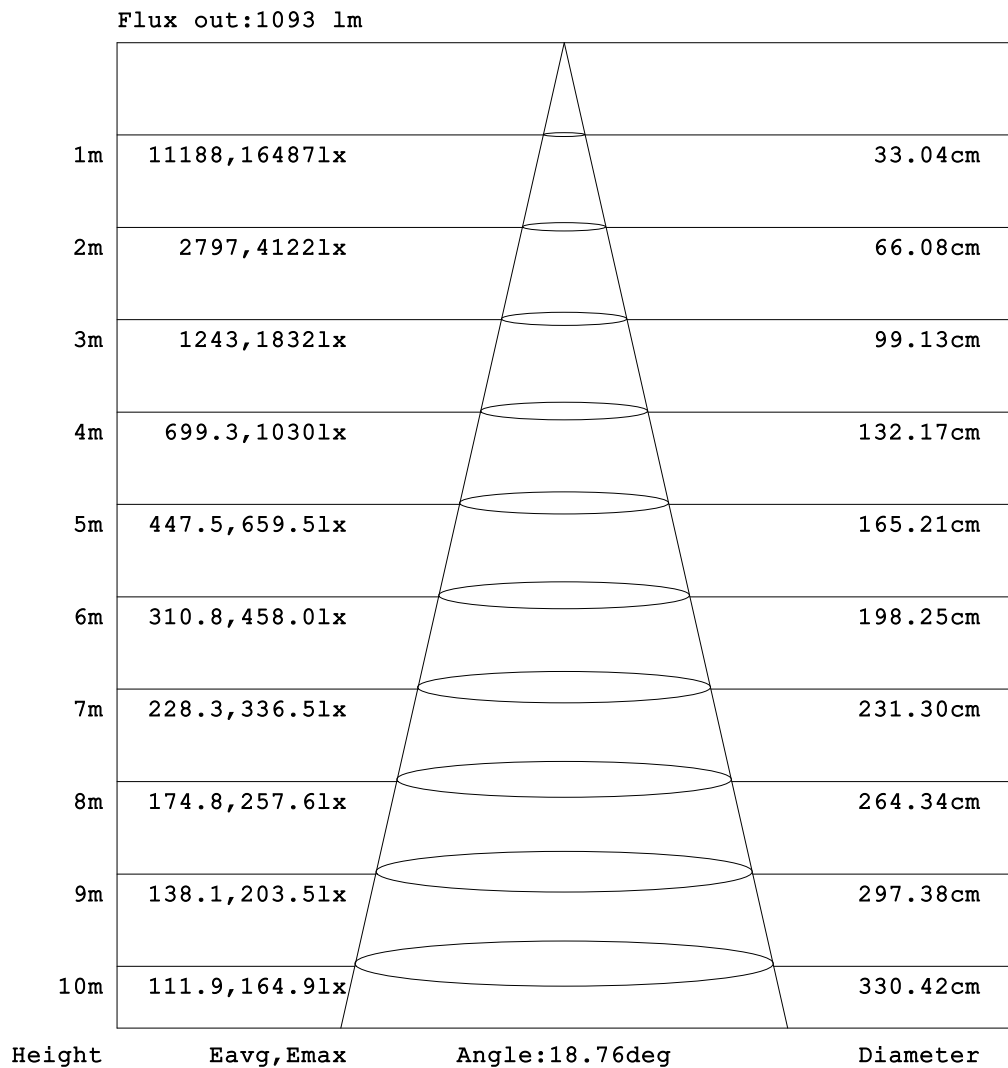
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:



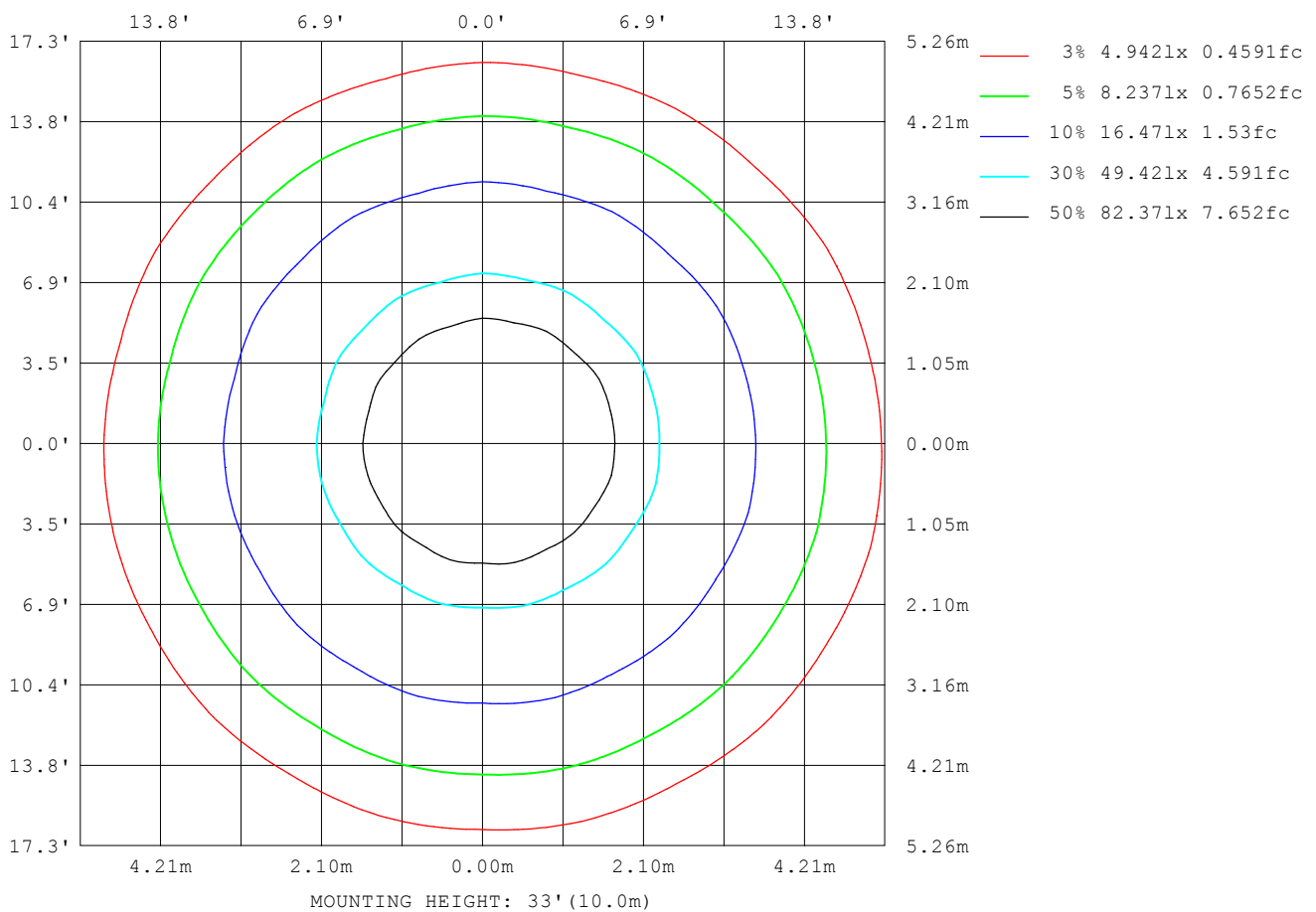
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:AE  
 Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks:

# ISOLUX DIAGRAM

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:225.0V I:0.1670A P:36.00W PF:0.9560 Freq:50.00Hz Lamp Flux:2853.9x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:75	Shielding Angle:

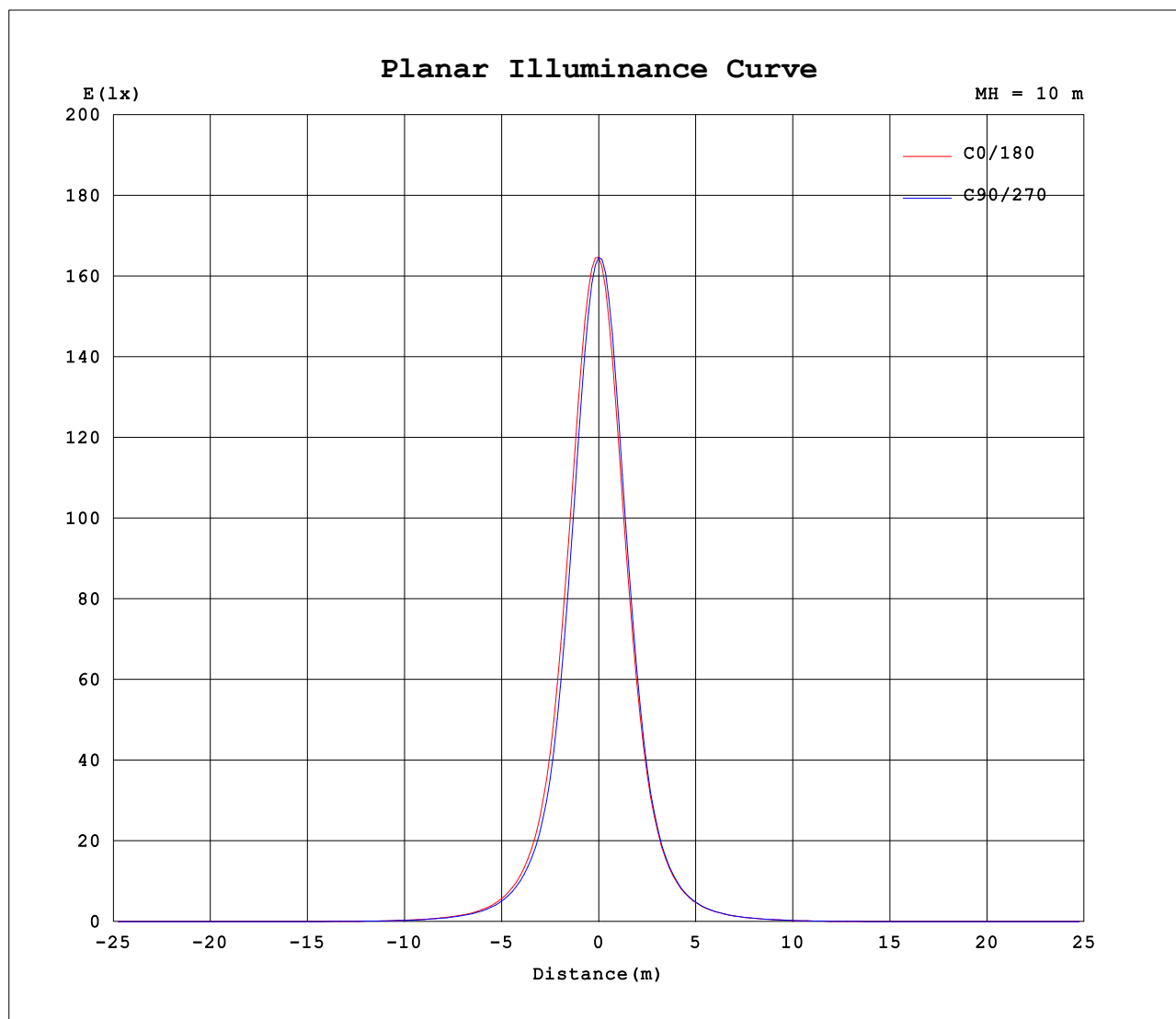
AvgL	cd/m2
L_0~180 (65) av	6853
L_0~180 (75) av	5065
L_0~180 (85) av	5421
L_90~270 (65) av	6318
L_90~270 (75) av	4822
L_90~270 (85) av	5510
L_45 (65) av	6753
L_45 (75) av	5035
L_45 (85) av	5581

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:AE  
Test Date:2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.240m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: AE  
Test Date: 2020-03-06

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.240m [K=1.0000]  
Remarks:

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

```

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.240m [K=1.0000]  
 Remarks: