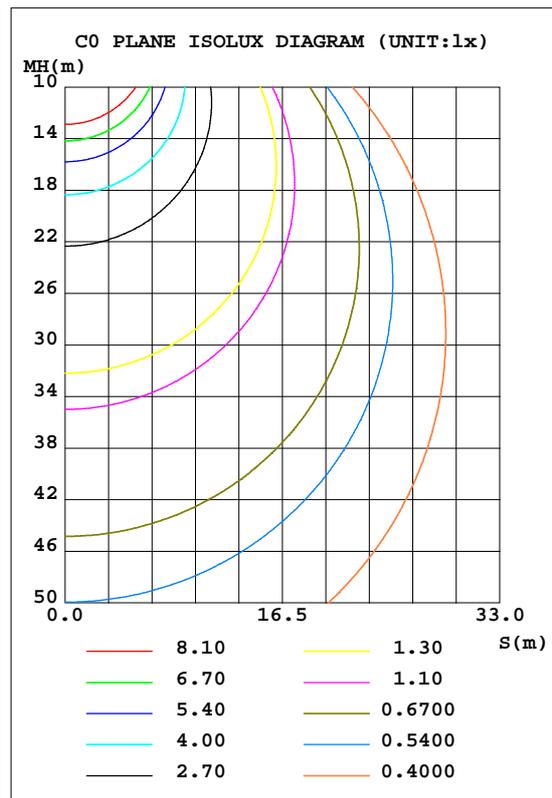
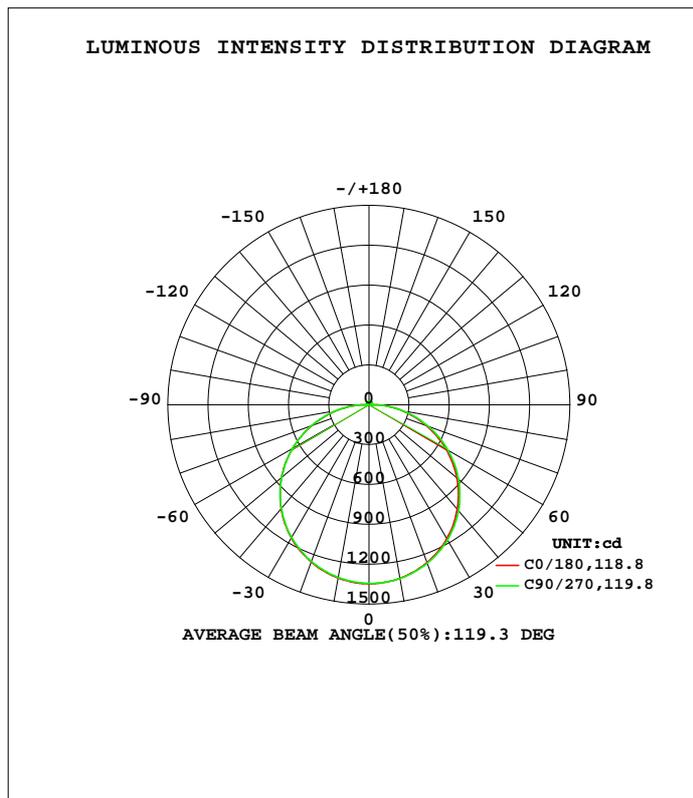


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.41x1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.13 lm/W			
MODEL		I <sub>max</sub> (cd)	1347	S/MH(C0/180)	1.28
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4375.4	h UP, DN(C0-180)	1.6,48.8
NOMINAL FLUX(lm)	4375.41	CIE CLASS	DIRECT	h UP, DN(C180-360)	1.5,48.1
LAMPS INSIDE	1	h up(%)	3.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	220.1	h down(%)	96.9	CIBSE SHR MAX	1.50



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C90	C180	C270					g	F zone	F total	%lum,lamp
10	1326	1327	1324	1320					0- 10	127.4	127.4	2.91,2.91
20	1264	1270	1260	1255					10- 20	366.6	494.0	11.3,11.3
30	1163	1173	1158	1154					20- 30	561.0	1055	24.1,24.1
40	1026	1040	1021	1018					30- 40	687.2	1742	39.8,39.8
50	856.7	873.8	852.8	851.3					40- 50	729.7	2472	56.5,56.5
60	663.5	680.1	659.9	660.1					50- 60	683.6	3156	72.1,72.1
70	454.7	467.5	451.4	452.6					60- 70	556.4	3712	84.8,84.8
80	245.3	250.8	239.5	242.2					70- 80	369.5	4081	93.3,93.3
90	52.99	50.47	46.41	46.56					80- 90	156.9	4238	96.9,96.9
100	20.36	20.54	20.56	21.12					90-100	25.90	4264	97.5,97.5
110	20.65	20.78	19.71	20.22					100-110	21.66	4286	98,98
120	21.04	21.13	19.41	19.82					110-120	20.15	4306	98.4,98.4
130	21.79	21.80	19.90	20.32					120-130	18.48	4325	98.8,98.8
140	22.68	22.66	21.00	21.38					130-140	16.59	4341	99.2,99.2
150	23.58	23.52	22.25	22.51					140-150	14.08	4355	99.5,99.5
160	24.52	24.31	23.59	23.61					150-160	10.86	4366	99.8,99.8
170	25.36	24.95	24.89	24.56					160-170	6.930	4373	99.9,99.9
180	25.48	25.16	25.60	25.10					170-180	2.399	4375	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2107.3 lm

%lum = 48.2%  
%lamp = 48.2%

Conical surface Flux(120deg): 3155.6 lm

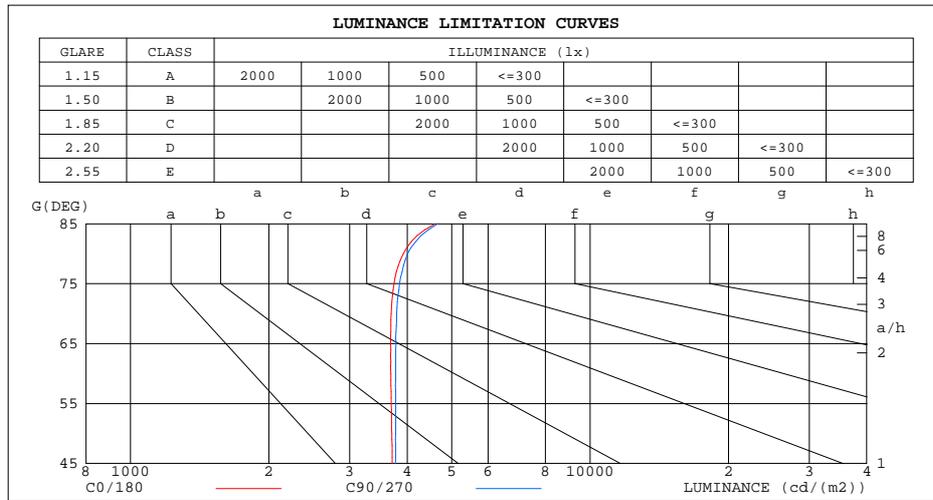
%lum = 72.1%  
%lamp = 72.1%

C Range: 0 - 360DEG  
C Interval: 90.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2019-06-17

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
Humidity:65.0%  
Test Distance:9.356m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.41x1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4615	4666
80	3924	4012
75	3747	3851
70	3693	3797
65	3682	3783
60	3686	3778
55	3693	3775
50	3702	3776
45	3712	3773

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.41x1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.338	.192	.061	.330	.188	.060	.314	.180	.058	.300	.173	.056	.288	.167	.054	
2.0	.309	.169	.052	.302	.166	.051	.288	.160	.050	.276	.155	.048	.265	.150	.047	
3.0	.282	.150	.045	.276	.148	.044	.264	.143	.043	.253	.138	.042	.242	.134	.042	
4.0	.258	.134	.039	.252	.132	.039	.242	.128	.038	.232	.124	.038	.222	.121	.037	
5.0	.237	.121	.035	.232	.119	.035	.222	.116	.034	.213	.113	.033	.205	.110	.033	
6.0	.219	.110	.031	.214	.108	.031	.206	.105	.031	.198	.103	.030	.190	.100	.030	
7.0	.203	.100	.028	.199	.099	.028	.191	.097	.028	.184	.094	.027	.177	.092	.027	
8.0	.189	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.177	.085	.024	.173	.084	.024	.167	.083	.023	.161	.081	.023	.155	.079	.023	
10.0	.166	.079	.022	.163	.079	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.206	.180	.156	.177	.154	.134	.121	.106	.093	.069	.061	.054	.022	.020	.017	
2.0	.199	.156	.120	.170	.134	.104	.117	.093	.072	.067	.054	.042	.022	.017	.014	
3.0	.191	.139	.097	.164	.120	.084	.113	.083	.059	.065	.049	.035	.021	.016	.011	
4.0	.183	.126	.081	.157	.109	.071	.108	.076	.050	.063	.044	.029	.020	.014	.010	
5.0	.176	.115	.071	.151	.100	.062	.104	.070	.043	.060	.041	.026	.019	.013	.008	
6.0	.169	.107	.063	.145	.093	.055	.100	.065	.039	.058	.038	.023	.019	.012	.008	
7.0	.162	.100	.057	.139	.087	.050	.096	.061	.035	.056	.036	.021	.018	.012	.007	
8.0	.155	.095	.053	.133	.082	.046	.092	.058	.033	.054	.034	.020	.017	.011	.006	
9.0	.149	.090	.050	.128	.078	.043	.089	.055	.031	.052	.032	.018	.017	.011	.006	
10.0	.143	.085	.047	.123	.074	.041	.086	.052	.029	.050	.031	.017	.016	.010	.006	

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.4lx1 lm										
NAME: 飘檐款-30120					TYPE:30120			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					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	12.2	13.7	12.5	13.9	14.2	12.3	13.8	12.6	14.0	14.3
3H	13.9	15.3	14.3	15.6	15.9	14.0	15.5	14.4	15.8	16.1
4H	14.7	16.1	15.1	16.4	16.7	14.9	16.2	15.2	16.5	16.8
6H	15.4	16.7	15.8	17.0	17.4	15.6	16.8	16.0	17.2	17.5
8H	15.7	17.0	16.1	17.3	17.7	15.9	17.1	16.3	17.4	17.8
12H	16.0	17.2	16.4	17.5	17.9	16.1	17.3	16.5	17.7	18.0
4H 2H	12.8	14.2	13.2	14.5	14.8	12.9	14.3	13.3	14.6	14.9
3H	14.8	16.0	15.2	16.4	16.7	14.9	16.1	15.3	16.4	16.8
4H	15.8	16.8	16.2	17.2	17.6	15.9	16.9	16.3	17.3	17.7
6H	16.6	17.6	17.1	18.0	18.4	16.7	17.7	17.2	18.1	18.5
8H	17.0	17.9	17.5	18.3	18.8	17.1	18.0	17.6	18.4	18.9
12H	17.3	18.2	17.8	18.6	19.1	17.5	18.3	17.9	18.7	19.2
8H 4H	16.1	17.0	16.6	17.5	17.9	16.2	17.1	16.7	17.6	18.0
6H	17.2	18.0	17.7	18.4	18.9	17.3	18.0	17.8	18.5	19.0
8H	17.7	18.4	18.2	18.9	19.4	17.8	18.5	18.3	19.0	19.5
12H	18.2	18.8	18.7	19.3	19.8	18.3	18.9	18.8	19.4	19.9
12H 4H	16.2	17.0	16.7	17.5	17.9	16.3	17.1	16.7	17.5	18.0
6H	17.3	18.0	17.8	18.5	19.0	17.4	18.1	17.9	18.6	19.1
8H	17.9	18.5	18.4	19.0	19.5	18.0	18.6	18.5	19.1	19.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 4375 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.41x1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

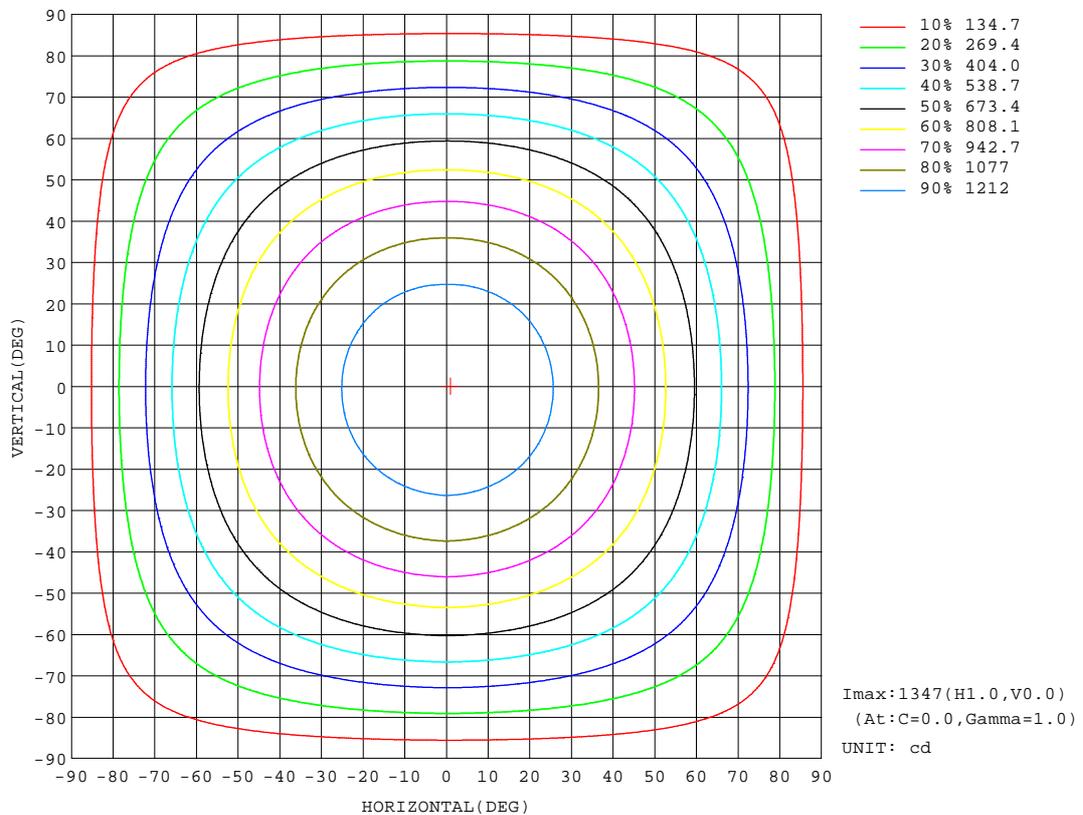
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	43	36	54	43	36	53	42	35	29
0.80	65	52	45	63	52	45	61	51	44	37
1.00	73	61	53	71	60	53	69	62	52	45
1.25	80	69	61	78	68	61	75	66	60	52
1.50	85	74	67	83	73	66	80	71	65	57
2.00	92	83	76	90	81	75	86	79	73	64
2.50	96	88	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	85	93	87	82	73
4.00	104	98	92	101	96	91	96	92	88	78
5.00	107	101	97	104	99	95	99	95	91	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.4lx1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



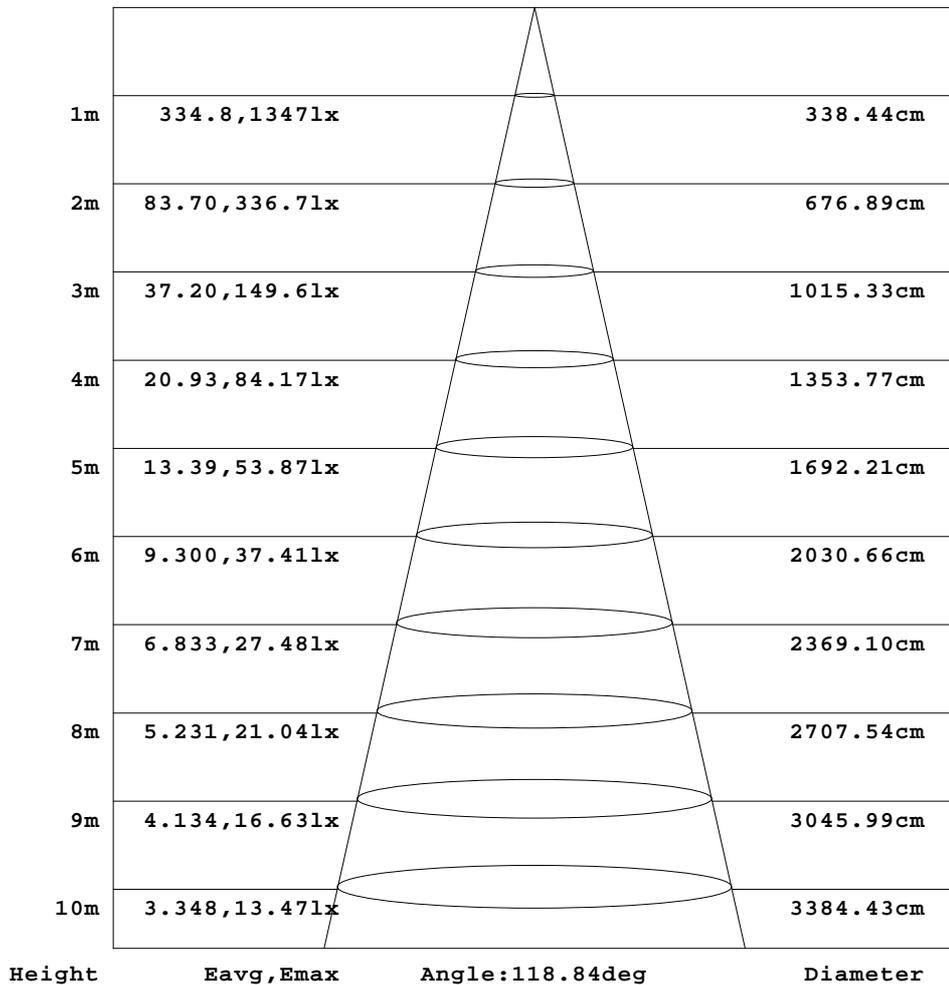
C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.41x1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:3156 lm

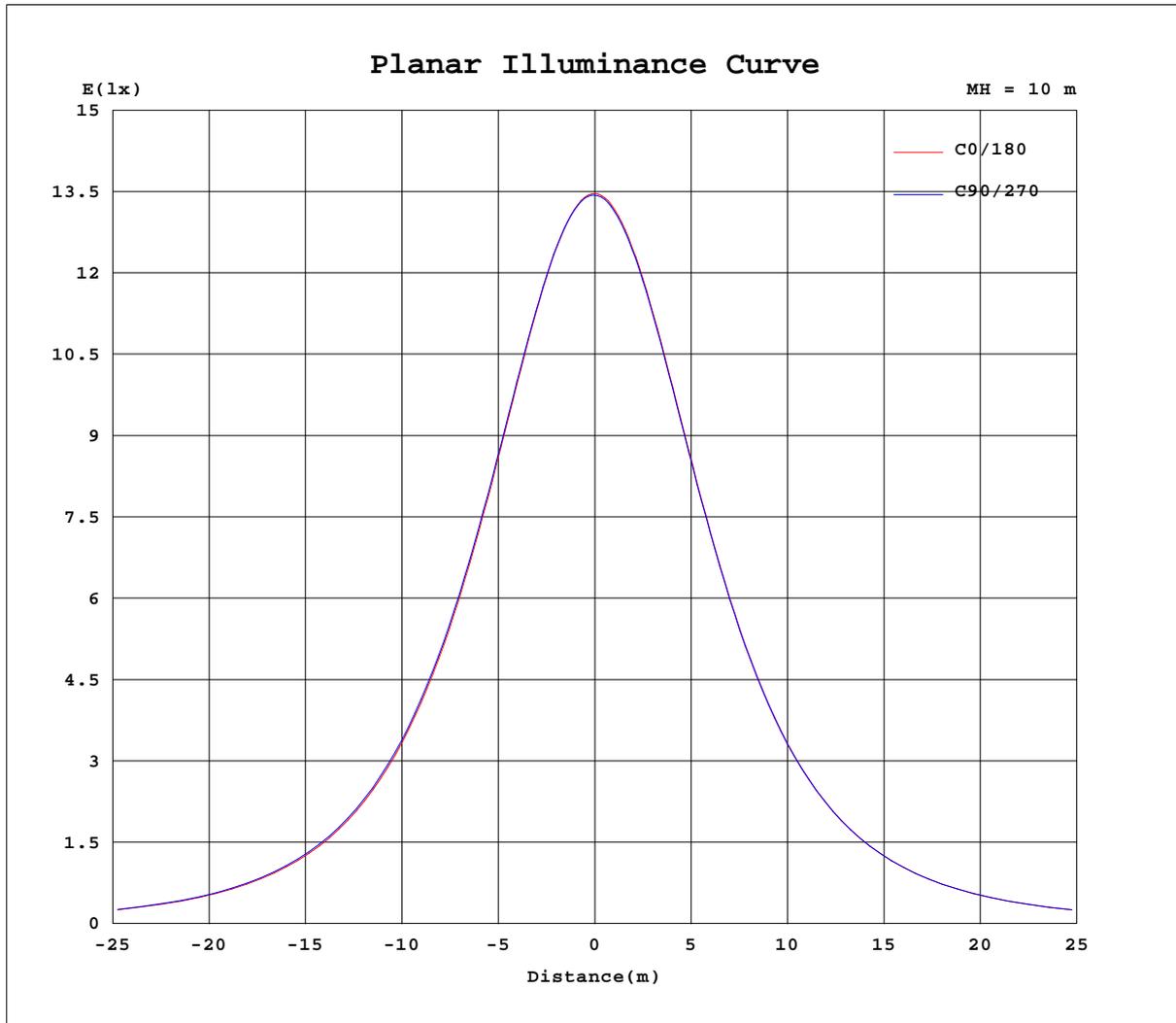


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity: 65.0%  
 Test Distance: 9.356m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.0V I:0.2134A P:46.48W PF:0.9473 Freq:49.99Hz Lamp Flux:4375.41x1 lm		
NAME: 飘檐款-30120	TYPE:30120	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	90	180	270															
0	1347	1344	1347	1344															
5	1342	1340	1341	1337															
10	1326	1327	1324	1320															
15	1300	1303	1297	1292															
20	1264	1270	1260	1255															
25	1219	1226	1213	1209															
30	1163	1173	1158	1154															
35	1099	1110	1094	1090															
40	1026	1040	1021	1018															
45	945	960	940	938															
50	857	874	853	851															
55	763	780	759	759															
60	664	680	660	660															
65	560	576	557	558															
70	455	468	451	453															
75	349	359	345	347															
80	245	251	239	242															
85	145	146	139	141															
90	53.0	50.5	46.4	46.6															
95	20.3	20.5	21.1	21.7															
100	20.4	20.5	20.6	21.1															
105	20.5	20.6	20.1	20.6															
110	20.7	20.8	19.7	20.2															
115	20.8	20.9	19.5	19.9															
120	21.0	21.1	19.4	19.8															
125	21.4	21.4	19.6	20.0															
130	21.8	21.8	19.9	20.3															
135	22.2	22.2	20.4	20.8															
140	22.7	22.7	21.0	21.4															
145	23.1	23.1	21.6	21.9															
150	23.6	23.5	22.3	22.5															
155	24.0	23.9	22.9	23.1															
160	24.5	24.3	23.6	23.6															
165	25.0	24.7	24.3	24.1															
170	25.4	25.0	24.9	24.6															
175	25.5	25.1	25.4	24.9															
180	25.5	25.2	25.6	25.1															

C Range: 0 - 360DEG  
 C Interval: 90.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-06-17

g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.361  
 Humidity:65.0%  
 Test Distance:9.356m [K=1.0000]  
 Remarks: