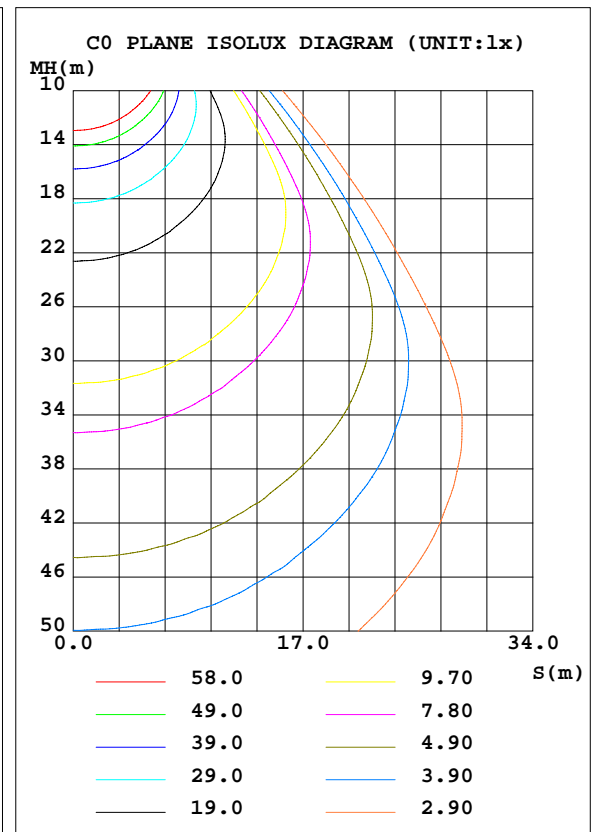
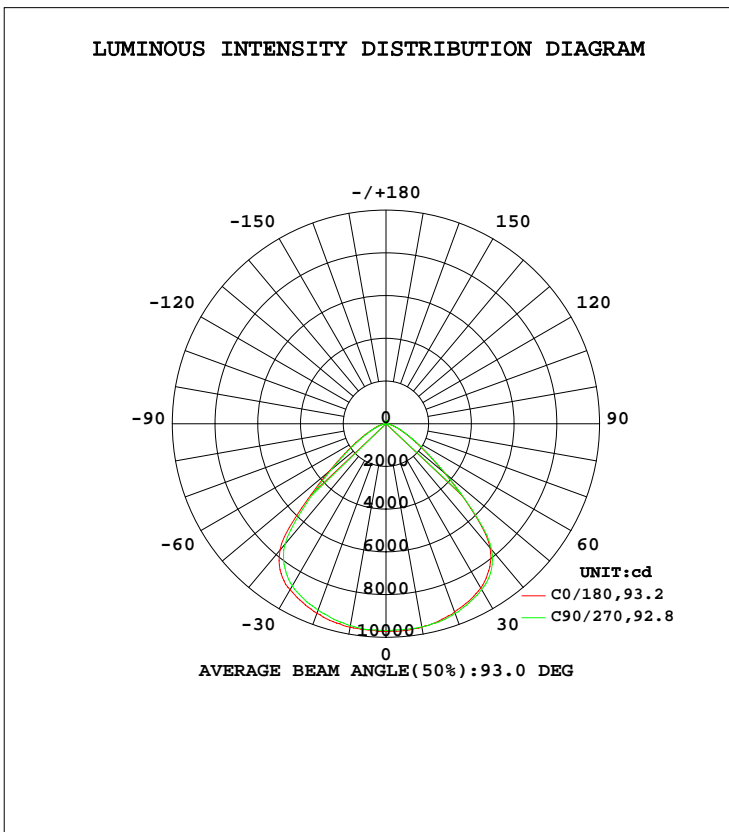


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm		
NAME: UFOA00-110W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 289*60mm	SERIAL No.:1
MFR.:	SUR.:D 0.289	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 191.68 lm/W			
MODEL	UFOA00-110W-R090-C	Imax(cd)	9736	S/MH(C0/180)	1.35
NOMINAL POWER(W)	110	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	100-270	TOTAL FLUX(lm)	21309	η UP, DN(C0-180)	1.4,49.4
NOMINAL FLUX(lm)	21308.9	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4,47.7
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	97.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	9673	9693	9658	9639	9670	9634	9599	9584	0- 10	922.9	922.9	4.33,4.33
20	9379	9446	9443	9454	9452	9359	9288	9252	10- 20	2698	3621	17,17
30	8875	8948	8950	8996	8976	8900	8769	8708	20- 30	4232	7852	36.8,36.8
40	7580	7723	7680	7740	7720	7573	7343	7223	30- 40	5239	13091	61.4,61.4
50	3584	3578	3630	3709	3501	3329	3341	3318	40- 50	4245	17336	81.4,81.4
60	1369	1426	1428	1573	1366	1319	1270	1350	50- 60	2030	19367	90.9,90.9
70	527.2	554.6	543.8	619.4	505.2	489.7	475.4	507.8	60- 70	882.7	20250	95,95
80	172.2	184.1	179.3	192.9	155.8	152.0	148.1	154.6	70- 80	341.8	20591	96.6,96.6
90	80.08	79.75	79.75	80.24	78.07	77.57	77.39	77.40	80- 90	109.8	20701	97.1,97.1
100	78.21	77.78	77.37	77.60	79.45	79.08	79.11	79.07	90-100	85.34	20787	97.5,97.5
110	82.57	81.75	81.22	81.21	84.34	84.13	84.38	84.23	100-110	84.99	20872	97.9,97.9
120	90.88	89.96	89.37	89.22	92.33	92.38	92.51	92.38	110-120	86.09	20958	98.4,98.4
130	101.1	100.4	99.68	99.22	102.2	102.0	102.3	102.1	120-130	86.06	21044	98.8,98.8
140	111.6	110.8	110.0	109.7	112.1	112.0	112.3	111.8	130-140	82.24	21126	99.1,99.1
150	120.5	120.0	119.1	118.7	121.1	120.6	120.8	120.5	140-150	72.58	21199	99.5,99.5
160	131.9	131.3	130.5	130.1	132.7	132.4	132.0	131.5	150-160	58.00	21257	99.8,99.8
170	142.5	142.0	141.3	140.9	143.1	142.4	141.9	141.3	160-170	38.69	21295	99.9,99.9
180	147.2	146.9	145.9	145.7	147.5	146.6	146.2	145.3	170-180	13.74	21309	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 15550 lm

%lum = 73.0%

%lamp = 73.0%

Conical surface Flux(120deg): 19367 lm

%lum = 90.9%

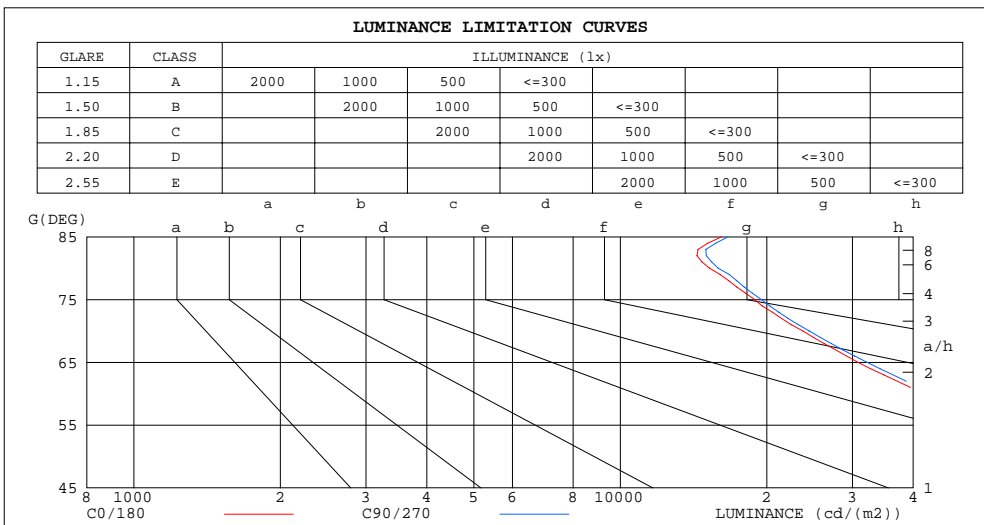
%lamp = 90.9%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

LUMINANCE LIMITATION CURVES

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm		
NAME: UFOA00-110W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 289*60mm	SERIAL No.:1
MFR.:	SUR.:D 0.289	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	16139	16645
80	15254	15887
75	18889	19501
70	23715	24461
65	30794	32144
60	42136	43924
55	59325	60924
50	85790	86893
45	122604	124061

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

WEC AND CCEC

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm		
NAME: UFOA00-110W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 289*60mm	SERIAL No.:1
MFR.:	SUR.:D 0.289	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.239	.136	.043	.231	.132	.042	.217	.124	.040	.203	.117	.038	.191	.111	.036	
2.0	.231	.127	.039	.224	.124	.038	.212	.118	.037	.200	.112	.035	.189	.107	.034	
3.0	.220	.117	.035	.214	.115	.034	.203	.110	.033	.192	.105	.032	.183	.101	.031	
4.0	.208	.108	.032	.203	.106	.031	.193	.102	.031	.184	.099	.030	.175	.095	.029	
5.0	.196	.100	.029	.192	.098	.029	.183	.095	.028	.175	.092	.027	.167	.089	.027	
6.0	.185	.093	.027	.181	.092	.026	.173	.089	.026	.166	.086	.025	.159	.084	.025	
7.0	.175	.087	.025	.171	.085	.024	.164	.083	.024	.158	.081	.024	.151	.079	.023	
8.0	.166	.081	.023	.162	.080	.023	.156	.078	.022	.150	.076	.022	.144	.074	.022	
9.0	.157	.076	.021	.154	.075	.021	.148	.073	.021	.143	.072	.020	.138	.070	.020	
10.0	.149	.072	.020	.146	.071	.020	.141	.069	.019	.136	.068	.019	.131	.066	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.197	.179	.162	.169	.153	.139	.115	.105	.096	.066	.061	.056	.021	.020	.018	
2.0	.186	.154	.127	.159	.133	.110	.109	.092	.077	.063	.053	.045	.020	.017	.015	
3.0	.177	.136	.104	.152	.117	.090	.104	.082	.063	.060	.048	.037	.019	.015	.012	
4.0	.169	.122	.087	.145	.106	.075	.100	.074	.053	.058	.043	.031	.019	.014	.010	
5.0	.162	.112	.075	.139	.097	.065	.096	.067	.046	.055	.040	.027	.018	.013	.009	
6.0	.155	.103	.066	.133	.089	.057	.092	.062	.040	.053	.037	.024	.017	.012	.008	
7.0	.149	.096	.059	.128	.083	.051	.089	.058	.036	.051	.034	.022	.017	.011	.007	
8.0	.143	.090	.054	.123	.078	.047	.085	.055	.033	.050	.032	.020	.016	.011	.007	
9.0	.138	.085	.050	.119	.074	.043	.082	.052	.031	.048	.031	.018	.016	.010	.006	
10.0	.133	.081	.047	.115	.070	.041	.080	.050	.029	.046	.029	.017	.015	.010	.006	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

UGR(Unified Glare Rating) Table

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm										
NAME: UFOA00-110W-R090-C					TYPE:			WEIGHT:		
SPEC.:					DIM.: 289*60mm			SERIAL No.:1		
MFR.:					SUR.:D 0.289			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	16.1	17.3	16.4	17.6	17.8	16.1	17.4	16.4	17.6	17.9
3H	16.2	17.4	16.5	17.6	17.9	16.3	17.4	16.6	17.7	18.0
4H	16.2	17.3	16.6	17.6	17.9	16.3	17.4	16.6	17.7	18.0
6H	16.2	17.2	16.6	17.5	17.8	16.3	17.3	16.6	17.6	17.9
8H	16.2	17.1	16.5	17.5	17.8	16.3	17.2	16.6	17.6	17.9
12H	16.1	17.1	16.5	17.4	17.8	16.2	17.2	16.6	17.5	17.9
4H 2H	16.1	17.2	16.4	17.4	17.7	16.1	17.2	16.5	17.5	17.8
3H	16.3	17.2	16.7	17.6	17.9	16.4	17.3	16.7	17.6	18.0
4H	16.3	17.2	16.8	17.6	17.9	16.4	17.3	16.8	17.6	18.0
6H	16.4	17.1	16.8	17.5	17.9	16.5	17.2	16.9	17.6	18.0
8H	16.4	17.1	16.8	17.5	17.9	16.5	17.2	16.9	17.6	18.0
12H	16.4	17.0	16.8	17.4	17.9	16.5	17.1	16.9	17.5	18.0
8H 4H	16.3	17.0	16.7	17.4	17.8	16.4	17.1	16.8	17.5	17.9
6H	16.4	16.9	16.9	17.4	17.9	16.5	17.0	16.9	17.5	18.0
8H	16.4	16.9	16.9	17.4	17.9	16.5	17.0	17.0	17.5	18.0
12H	16.4	16.9	17.0	17.3	17.9	16.5	16.9	17.0	17.4	18.0
12H 4H	16.3	16.9	16.7	17.3	17.8	16.3	17.0	16.8	17.4	17.9
6H	16.4	16.8	16.9	17.3	17.8	16.4	16.9	16.9	17.4	17.9
8H	16.4	16.8	16.9	17.3	17.8	16.5	16.9	17.0	17.4	17.9
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.9					+ 1.5 / - 1.9				
1.5H	+ 1.1 / - 1.5					+ 1.1 / - 1.5				
2.0H	+ 2.9 / - 2.4					+ 2.9 / - 2.4				

CIE Pub.117, 21309 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.6)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

UTILIZATION FACTORS TABLE

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm		
NAME: UFOA00-110W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 289*60mm	SERIAL No.:1
MFR.:	SUR.:D 0.289	Shielding Angle:

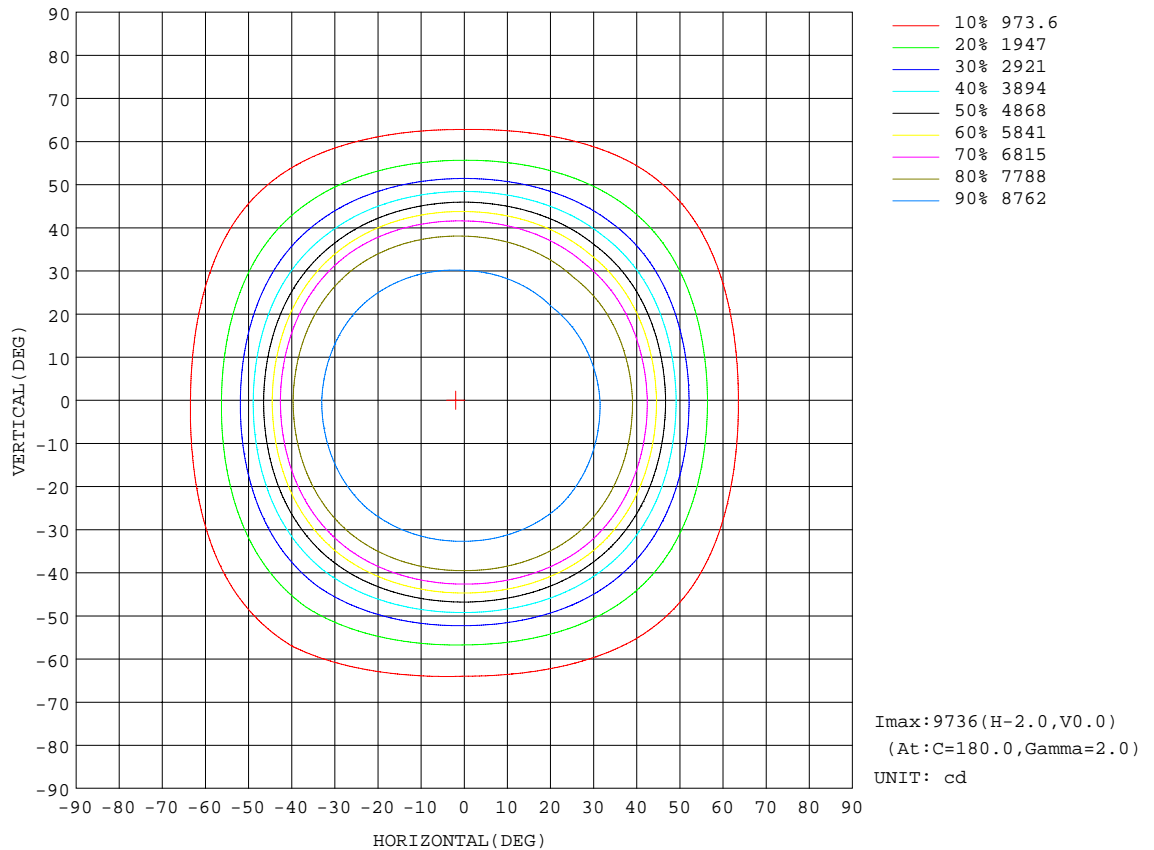
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	67	57	51	66	57	51	65	56	51	46
0.80	77	68	62	76	67	61	74	66	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	78	90	82	77	87	81	76	70
1.50	95	88	83	94	87	82	91	85	81	74
2.00	101	94	89	99	93	89	95	91	87	80
2.50	104	98	93	102	96	92	98	93	90	82
3.00	106	101	97	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	102	99	96	88
5.00	111	107	104	108	105	102	103	101	99	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

ISOCANDELA DIAGRAM

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm		
NAME: UFOA00-110W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 289*60mm	SERIAL No.:1
MFR.:	SUR.:D 0.289	Shielding Angle:



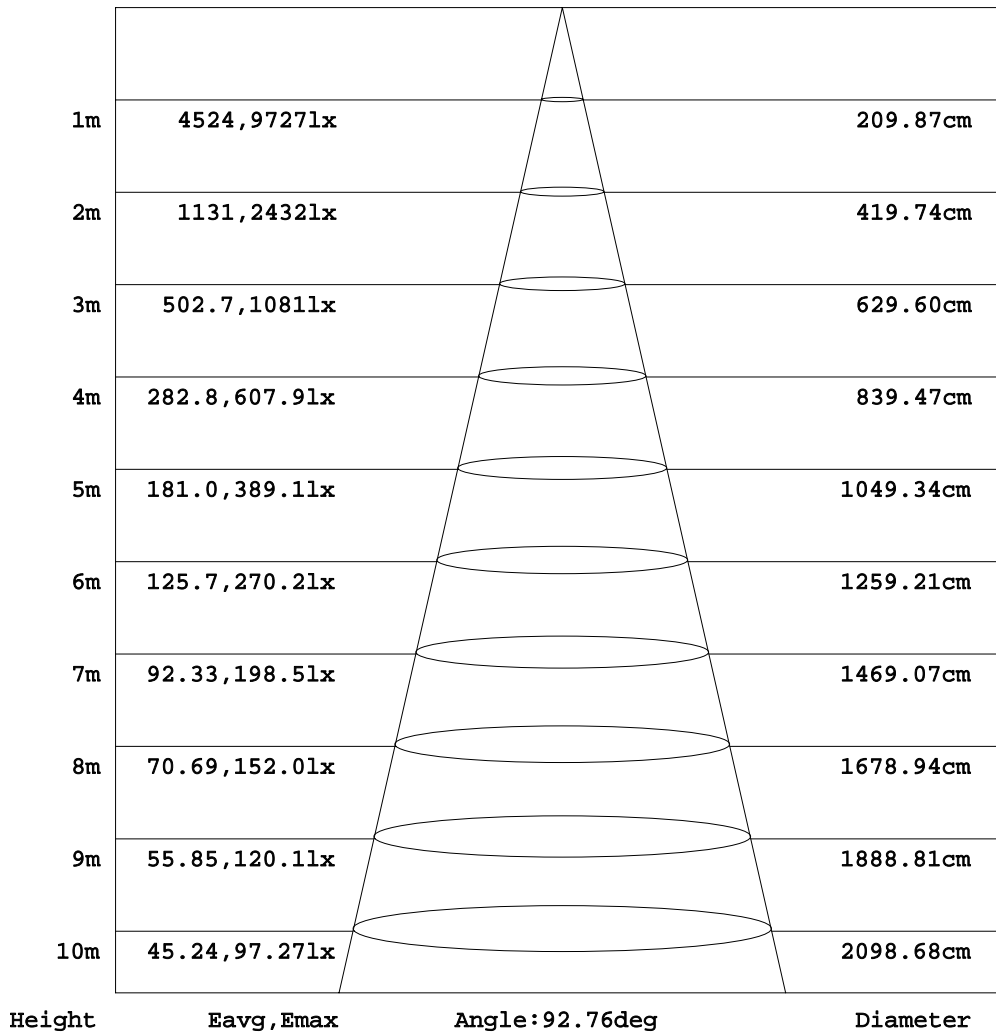
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 28.5DEG
 Operators: lishengchi
 Test Date: 2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 55.0%
 Test Distance: 11.340m [K=1.0000]
 Remarks: 5000k ra70

AAI Figure

Test:U:236.5V I:0.4779A P:111.2W PF:0.9837 Freq:50.00Hz Lamp Flux:21308.9x1 lm		
NAME: UFOA00-110W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 289*60mm	SERIAL No.:1
MFR.:	SUR.:D 0.289	Shielding Angle:

Flux out:16344 lm

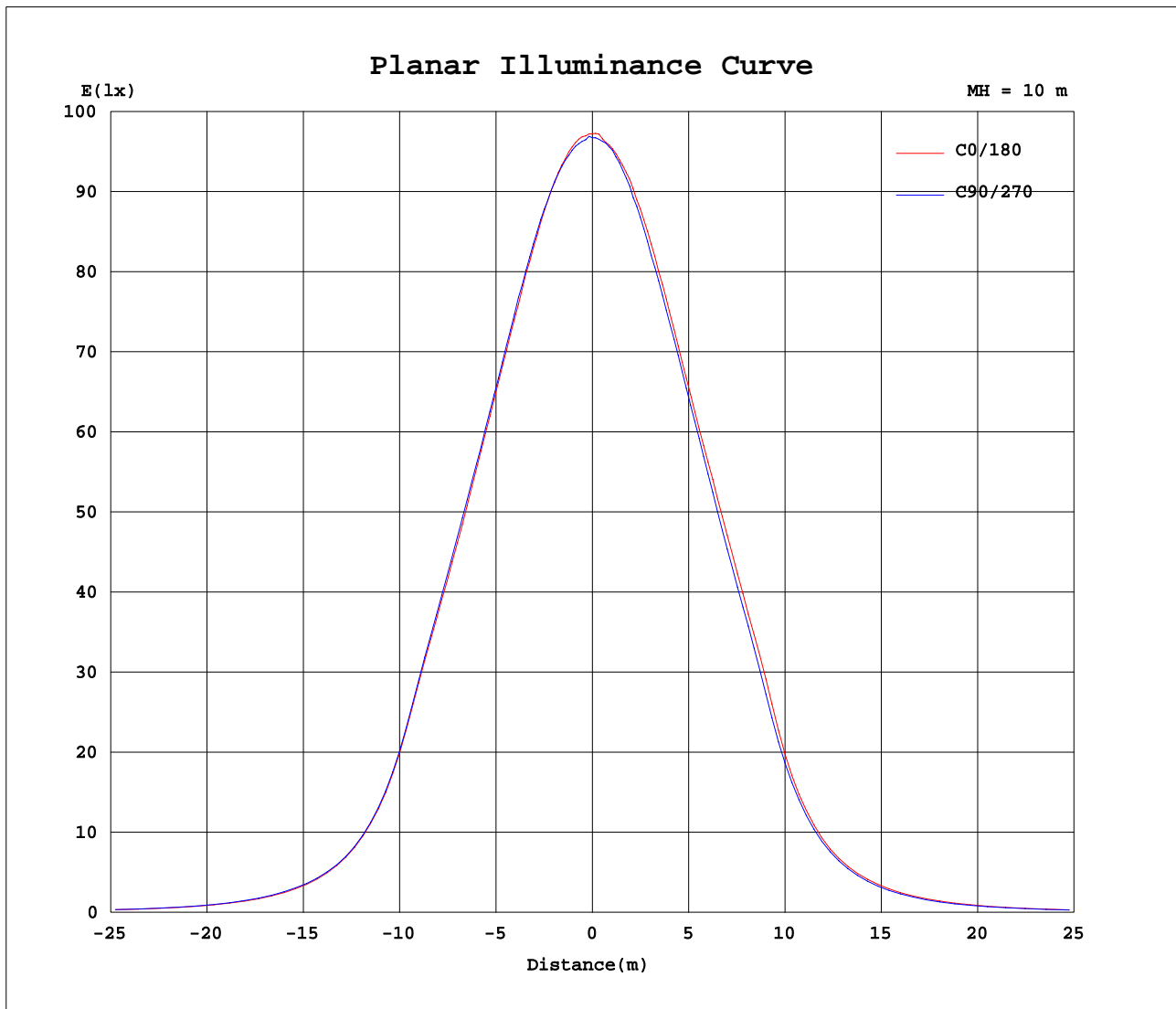


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

Planar Illuminance Curve



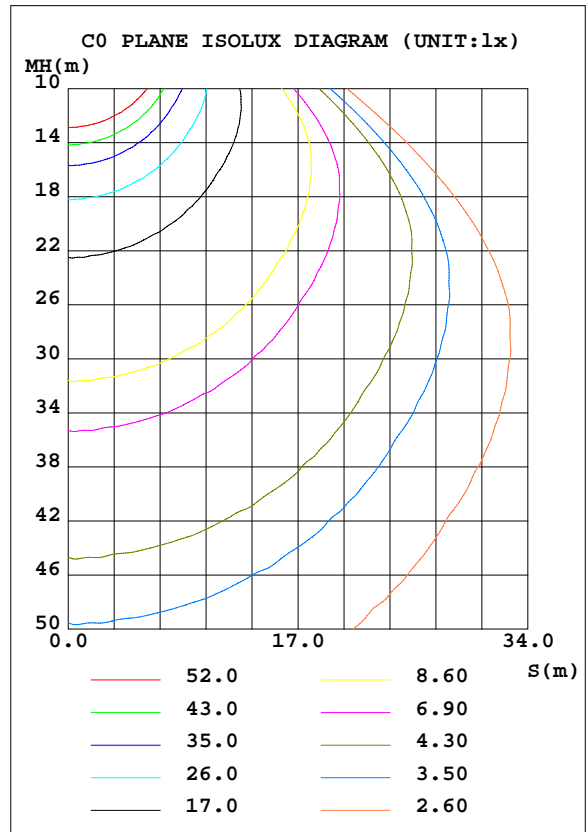
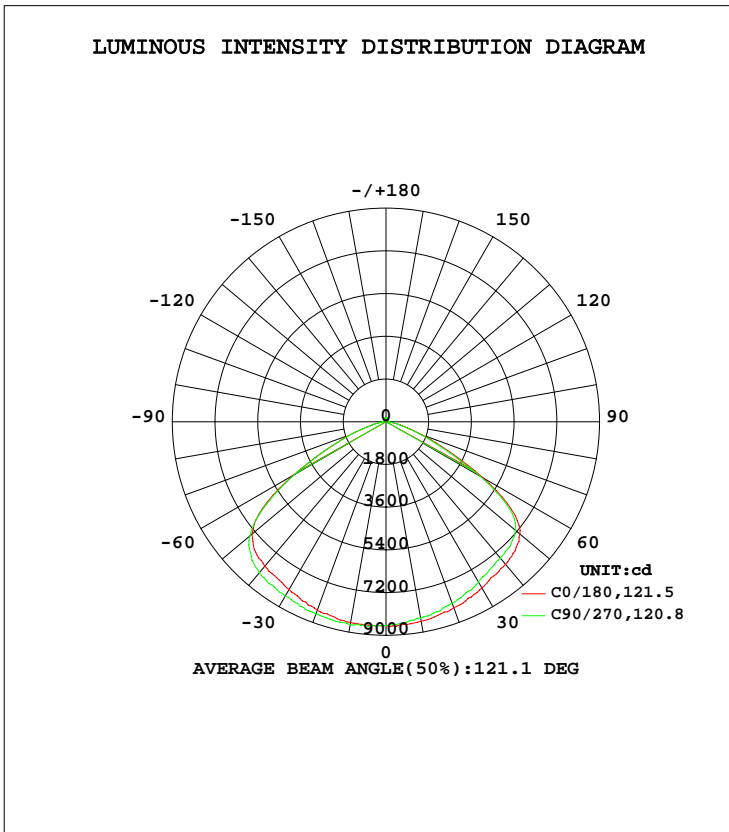
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators: lishengchi
Test Date: 2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 55.0%
Test Distance: 11.340m [K=1.0000]
Remarks: 5000k ra70

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm		
NAME: UFOA00-150W-R120-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 186.65 lm/W			
MODEL	UFOA00-150W-R120-C	Imax(cd)	8688	S/MH(C0/180)	1.44
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.50
RATED VOLTAGE(V)	100-270	TOTAL FLUX(lm)	28273	η UP, DN(C0-180)	1.4,48.0
NOMINAL FLUX(lm)	28272.5	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4,49.2
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down(%)	97.2	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	8538	8480	8403	8430	8586	8606	8688	8601	0- 10	817.6	817.6	2.89,2.89
20	8339	8217	8137	8226	8453	8540	8618	8515	10- 20	2399	3217	11.4,11.4
30	8085	7896	7794	7923	8163	8406	8489	8311	20- 30	3820	7037	24.9,24.9
40	7834	7606	7504	7635	7947	8221	8311	8119	30- 40	5023	12061	42.7,42.7
50	7365	7251	7119	7185	7379	7386	7484	7474	40- 50	5942	18002	63.7,63.7
60	4699	4857	4552	4465	4506	4262	4452	4645	50- 60	5530	23532	83.2,83.2
70	1621	1618	1527	1503	1574	1499	1568	1643	60- 70	2828	26360	93.2,93.2
80	401.3	413.7	382.8	376.9	382.7	351.9	383.7	392.3	70- 80	897.3	27257	96.4,96.4
90	128.0	127.7	126.6	126.6	108.6	108.9	108.6	108.1	80- 90	213.2	27471	97.2,97.2
100	122.0	121.6	120.9	120.8	114.6	113.8	113.8	113.5	90-100	128.5	27599	97.6,97.6
110	119.8	120.0	120.2	119.6	118.3	117.8	117.5	117.5	100-110	124.9	27724	98.1,98.1
120	122.7	122.9	122.9	123.0	122.6	121.6	121.4	121.1	110-120	119.5	27843	98.5,98.5
130	126.7	127.3	127.1	127.7	127.3	125.7	125.7	125.7	120-130	111.6	27955	98.9,98.9
140	133.5	133.8	133.8	133.8	133.4	132.4	131.8	132.2	130-140	100.3	28055	99.2,99.2
150	143.6	143.1	144.0	144.6	143.4	143.0	142.3	142.6	140-150	86.54	28142	99.5,99.5
160	155.3	155.5	156.0	156.6	155.3	155.3	155.1	154.9	150-160	68.95	28211	99.8,99.8
170	165.9	165.6	166.6	166.5	167.1	166.7	166.1	165.9	160-170	45.53	28256	99.9,99.9
180	171.1	170.8	170.6	170.9	171.2	171.0	170.2	170.9	170-180	16.07	28273	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 14953 lm

%lum = 52.9%

%lamp = 52.9%

Conical surface Flux(120deg): 23532 lm

%lum = 83.2%

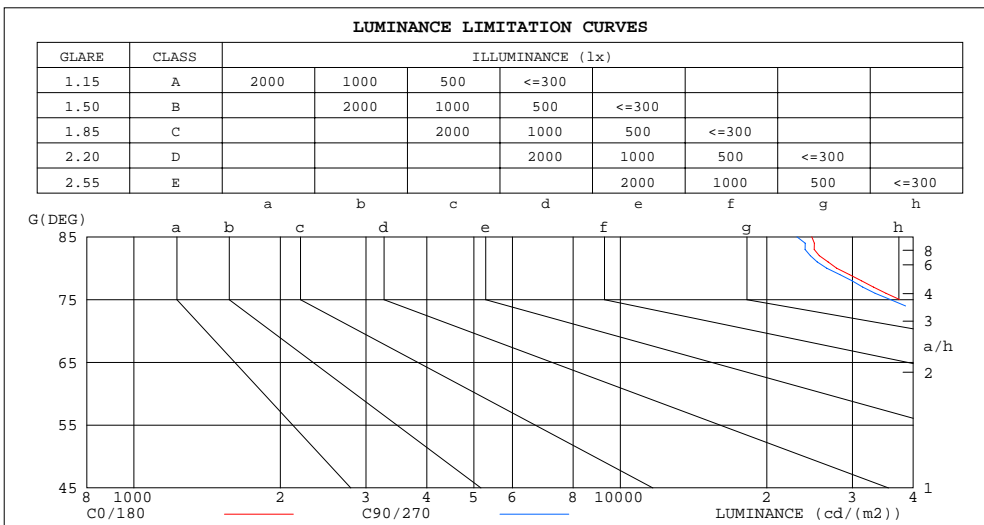
%lamp = 83.2%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

LUMINANCE LIMITATION CURVES

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm		
NAME: UFOA00-150W-R120-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	24752	23072
80	27844	26560
75	37533	35894
70	57087	53789
65	81302	76142
60	113219	109686
55	135577	132915
50	138054	133441
45	131115	126080

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

WEC AND CCEC

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm		
NAME: UFOA00-150W-R120-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.281	.160	.051	.273	.156	.049	.258	.148	.047	.245	.141	.045	.232	.135	.043	
2.0	.272	.149	.046	.265	.146	.045	.252	.140	.044	.240	.135	.042	.229	.130	.041	
3.0	.257	.137	.041	.251	.134	.040	.240	.130	.039	.229	.125	.038	.219	.121	.038	
4.0	.241	.125	.037	.235	.123	.036	.225	.119	.036	.215	.116	.035	.207	.112	.034	
5.0	.225	.115	.033	.220	.113	.033	.211	.110	.032	.202	.107	.032	.194	.104	.031	
6.0	.210	.105	.030	.206	.104	.030	.198	.101	.029	.190	.099	.029	.182	.096	.029	
7.0	.197	.097	.028	.193	.096	.027	.185	.094	.027	.178	.091	.027	.172	.089	.026	
8.0	.184	.090	.025	.181	.089	.025	.174	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.149	.074	.021	.144	.073	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.200	.178	.158	.171	.153	.136	.117	.105	.094	.067	.061	.055	.022	.020	.018	
2.0	.192	.154	.122	.164	.133	.106	.112	.092	.074	.065	.053	.043	.021	.017	.014	
3.0	.184	.136	.098	.158	.118	.085	.108	.082	.060	.063	.048	.035	.020	.015	.012	
4.0	.177	.123	.082	.152	.106	.071	.104	.074	.050	.060	.043	.030	.019	.014	.010	
5.0	.170	.113	.070	.146	.097	.061	.101	.068	.043	.058	.040	.026	.019	.013	.008	
6.0	.163	.104	.062	.140	.090	.054	.097	.063	.038	.056	.037	.023	.018	.012	.007	
7.0	.157	.098	.056	.135	.085	.049	.093	.059	.034	.054	.035	.021	.018	.011	.007	
8.0	.151	.092	.051	.130	.080	.045	.090	.056	.032	.052	.033	.019	.017	.011	.006	
9.0	.145	.087	.048	.125	.075	.042	.087	.053	.030	.050	.031	.018	.016	.010	.006	
10.0	.139	.083	.045	.120	.072	.039	.083	.051	.028	.049	.030	.017	.016	.010	.006	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

UGR(Unified Glare Rating) Table

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm										
NAME: UFOA00-150W-R120-C					TYPE:			WEIGHT:		
SPEC.:					DIM.: 325*71mm			SERIAL No.:1		
MFR.:					SUR.:D 0.325			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	18.3	19.8	18.6	20.1	20.3	18.2	19.7	18.5	19.9	20.2
3H	18.8	20.2	19.2	20.5	20.8	18.7	20.0	19.0	20.3	20.6
4H	18.9	20.2	19.2	20.5	20.8	18.7	20.0	19.1	20.3	20.6
6H	18.9	20.1	19.3	20.4	20.7	18.7	19.9	19.1	20.2	20.6
8H	18.9	20.0	19.2	20.3	20.7	18.7	19.8	19.1	20.2	20.5
12H	18.8	19.9	19.2	20.3	20.6	18.7	19.8	19.0	20.1	20.5
4H 2H	18.7	19.9	19.0	20.2	20.6	18.6	19.8	18.9	20.1	20.5
3H	19.3	20.3	19.6	20.7	21.1	19.1	20.2	19.5	20.6	20.9
4H	19.4	20.3	19.8	20.7	21.1	19.2	20.2	19.6	20.6	21.0
6H	19.4	20.3	19.8	20.7	21.1	19.2	20.1	19.7	20.5	20.9
8H	19.4	20.2	19.8	20.6	21.1	19.2	20.0	19.7	20.5	20.9
12H	19.4	20.1	19.8	20.6	21.0	19.2	20.0	19.7	20.4	20.9
8H 4H	19.3	20.1	19.8	20.6	21.0	19.2	20.0	19.6	20.4	20.9
6H	19.4	20.1	19.9	20.5	21.0	19.3	19.9	19.8	20.4	20.9
8H	19.4	20.0	19.9	20.5	21.0	19.3	19.9	19.8	20.4	20.9
12H	19.5	20.0	20.0	20.5	21.0	19.3	19.8	19.8	20.3	20.8
12H 4H	19.3	20.0	19.8	20.5	20.9	19.2	19.9	19.6	20.3	20.8
6H	19.4	20.0	19.9	20.4	21.0	19.3	19.8	19.8	20.3	20.8
8H	19.4	19.9	20.0	20.4	21.0	19.3	19.8	19.8	20.3	20.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				
1.5H	+ 0.8 / - 1.2					+ 0.9 / - 1.3				
2.0H	+ 0.8 / - 1.1					+ 0.8 / - 1.1				

CIE Pub.117, 28273 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 11.6$)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

UTILIZATION FACTORS TABLE

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm		
NAME: UFOA00-150W-R120-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

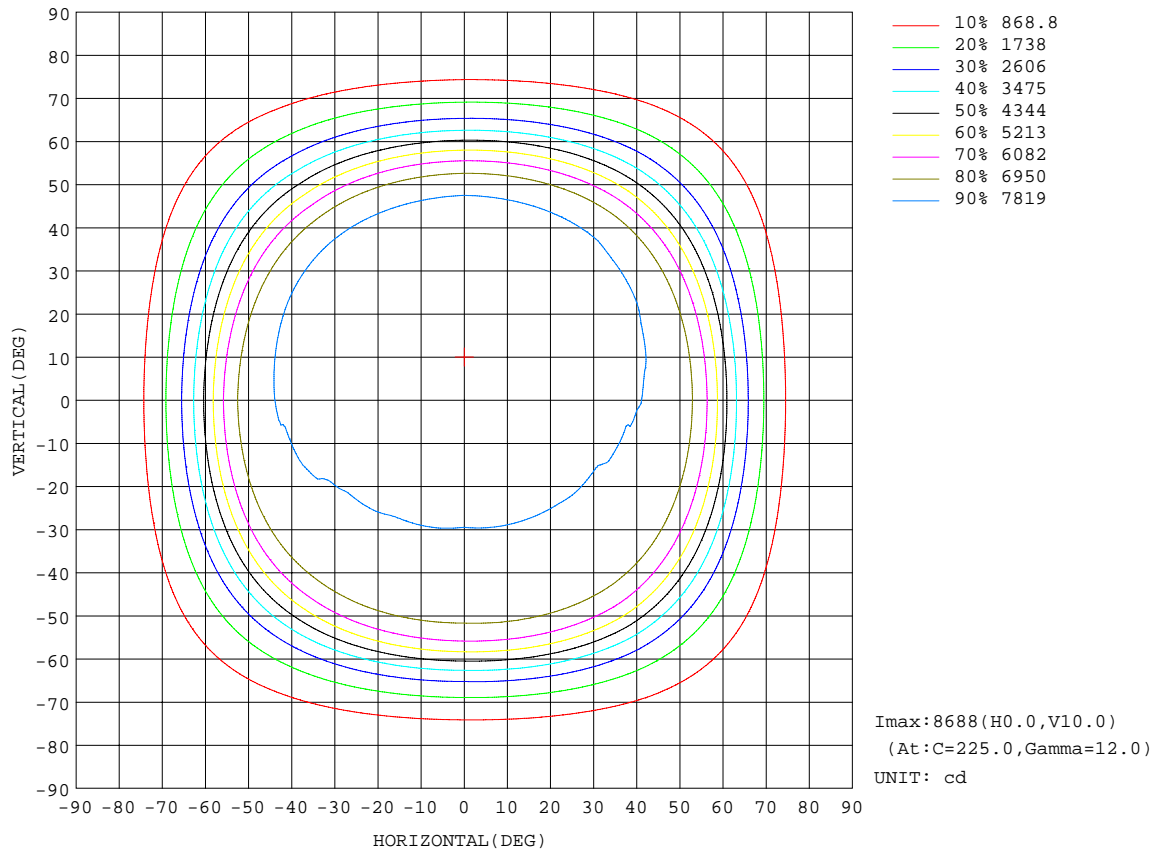
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	55	43	36	54	43	36	53	42	36	29
0.80	66	54	47	65	54	47	63	53	46	39
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	73	66	82	72	66	79	71	65	57
1.50	89	79	72	87	78	72	83	76	70	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	99	92	86	97	90	85	93	87	83	74
3.00	103	96	91	100	94	90	96	91	87	78
4.00	106	101	97	104	99	95	99	95	92	82
5.00	109	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

ISOCANDELA DIAGRAM

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm		
NAME: UFOA00-150W-R120-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

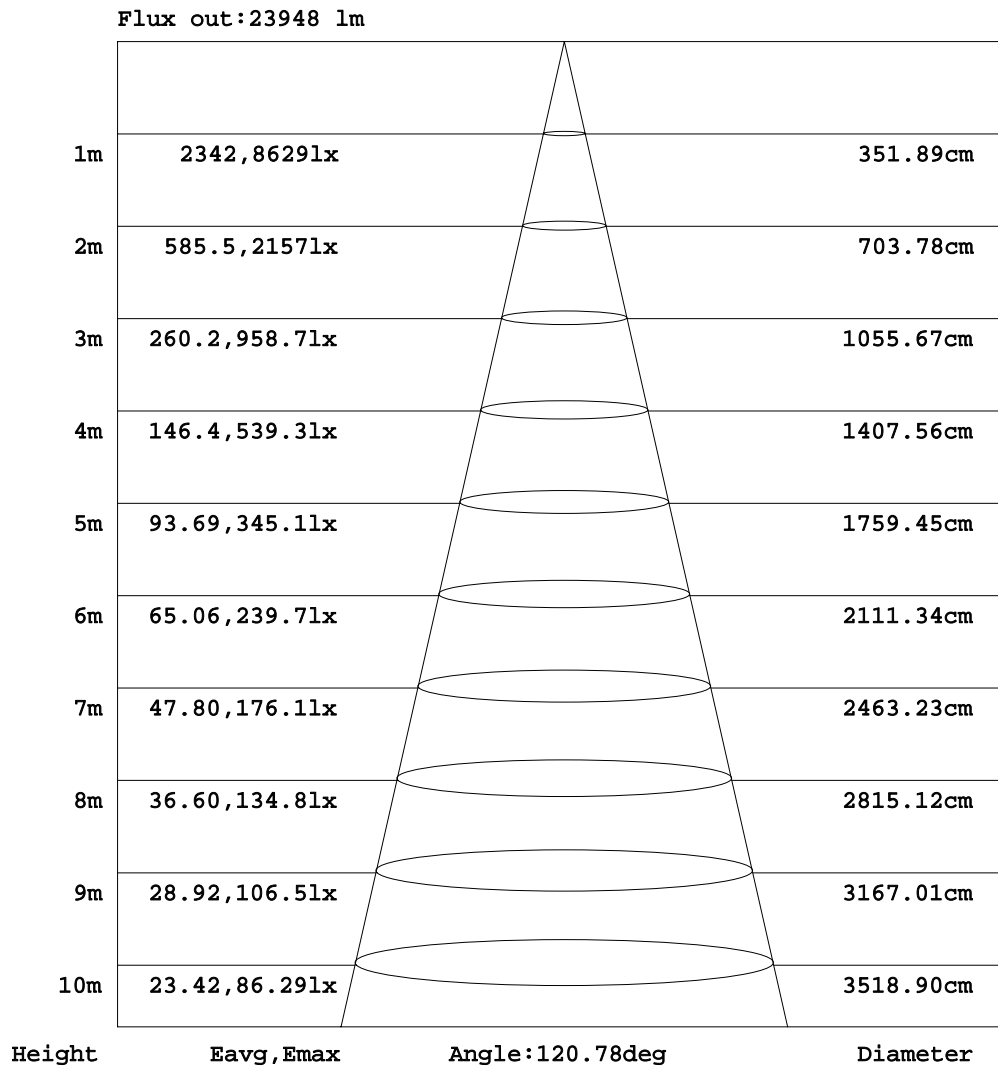


C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 28.5DEG
 Operators: lishengchi
 Test Date: 2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 55.0%
 Test Distance: 11.340m [K=1.0000]
 Remarks: 5000k ra70

AAI Figure

Test:U:233.9V I:0.6670A P:151.5W PF:0.9708 Freq:50.00Hz Lamp Flux:28272.5x1 lm		
NAME: UFOA00-150W-R120-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

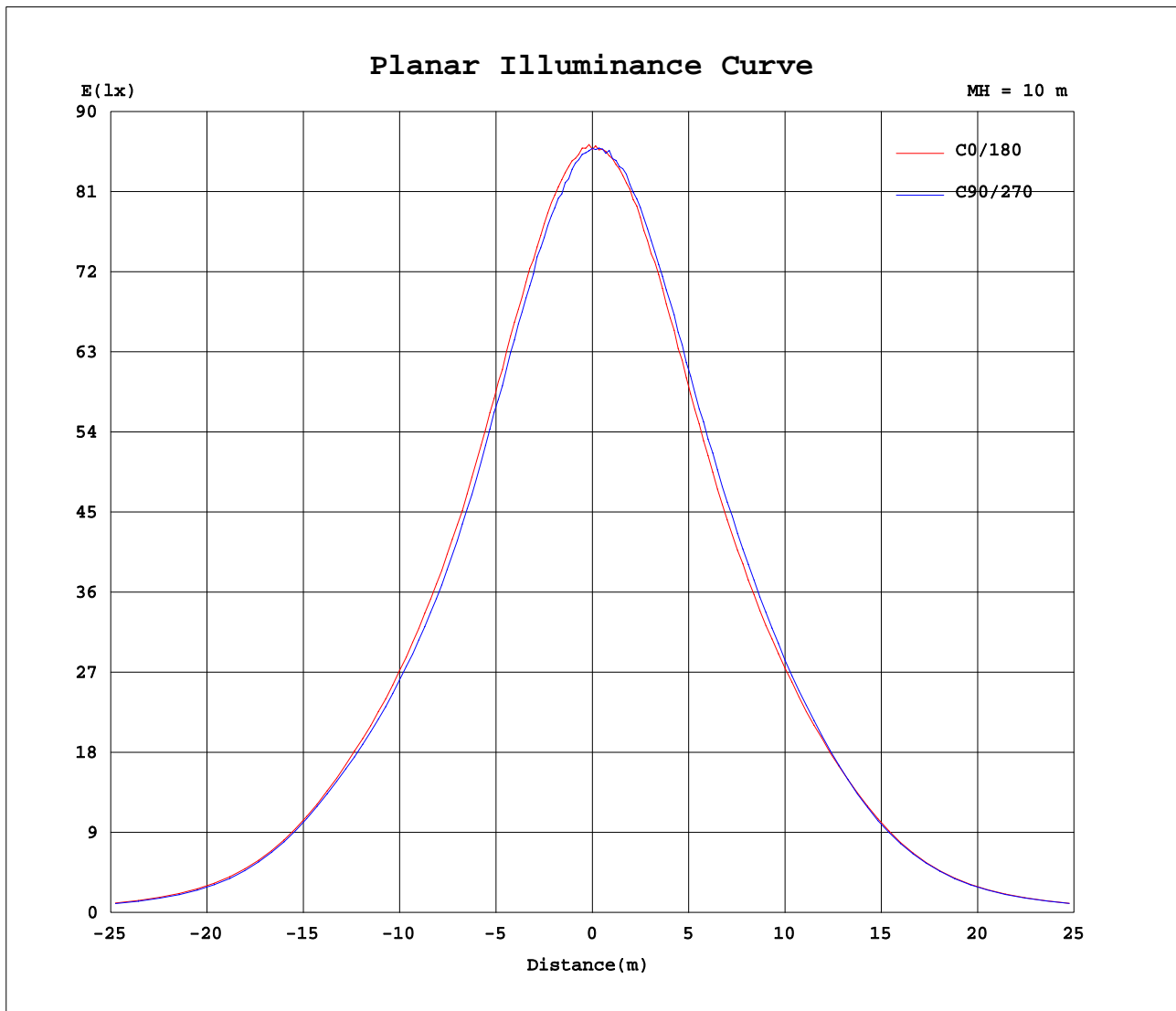


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

Planar Illuminance Curve



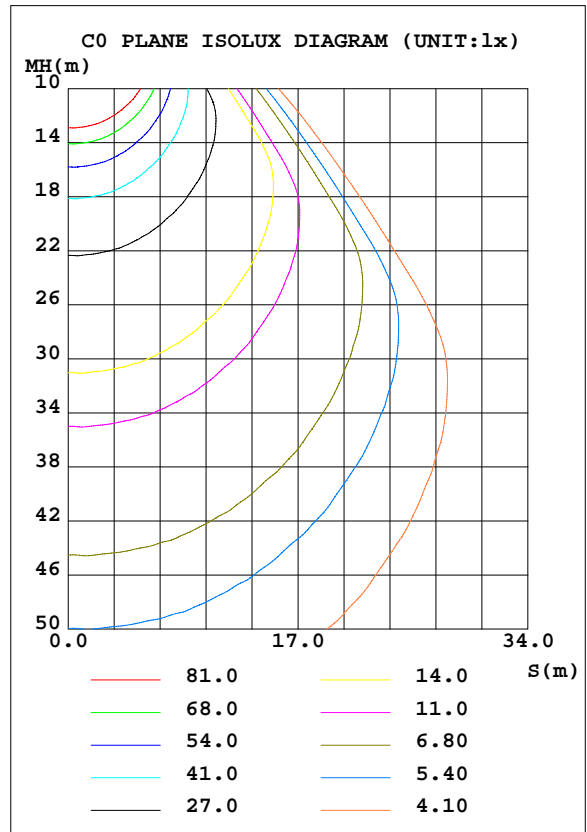
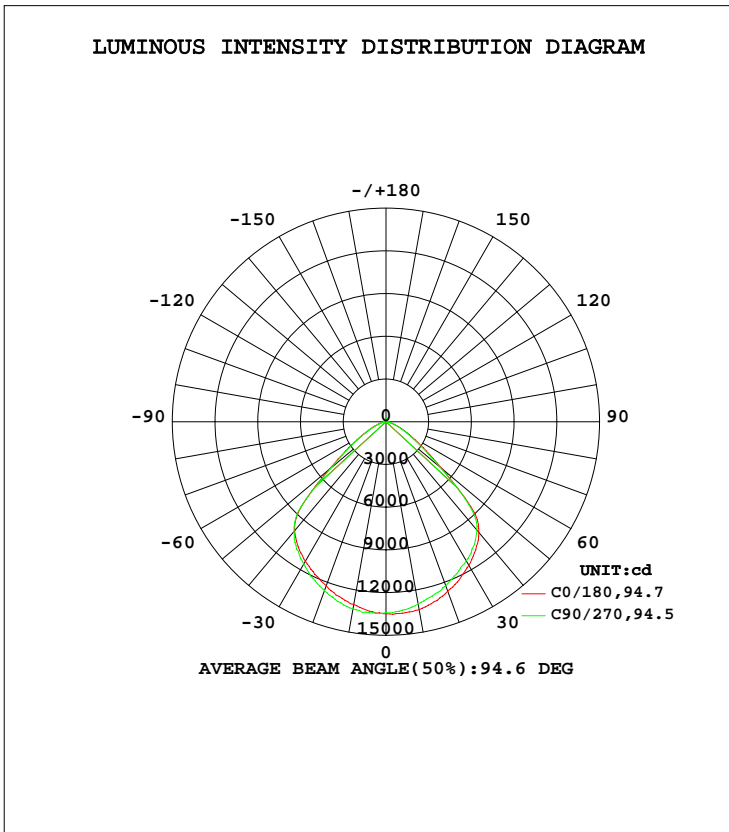
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators: lishengchi
Test Date: 2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 55.0%
Test Distance: 11.340m [K=1.0000]
Remarks: 5000k ra70

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm		
NAME: UFOA00-150W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 191.19 lm/W			
MODEL	UFOA00-150W-R090-C	Imax(cd)	13528	S/MH(C0/180)	1.25
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	100-270	TOTAL FLUX(lm)	28924	η UP, DN(C0-180)	1.4, 48.4
NOMINAL FLUX(lm)	28923.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 48.7
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	97.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1341	1324	1300	1292	1304	1316	1335	1340	0- 10	1271	1271	4.4,4.4
20	1266	1244	1227	1212	1225	1246	1263	1277	10- 20	3633	4904	17,17
30	1165	1140	1126	1116	1132	1139	1155	1167	20- 30	5519	10423	36,36
40	1014	1007	993.6	988.3	998.0	999.2	1006	1014	30- 40	6763	17186	59.4,59.4
50	512.1	505.8	496.9	494.2	519.1	499.9	501.7	514.7	40- 50	6141	23328	80.7,80.7
60	201.9	197.8	193.2	195.2	197.9	194.3	191.1	201.9	50- 60	2892	26219	90.6,90.6
70	77.23	76.01	73.29	73.73	73.06	71.60	69.59	74.64	60- 70	1251	27470	95,95
80	25.35	25.27	24.81	24.30	23.41	23.63	22.74	24.22	70- 80	472.6	27943	96.6,96.6
90	11.18	11.17	11.07	11.07	10.62	10.55	10.58	10.53	80- 90	157.1	28100	97.2,97.2
100	10.82	10.81	10.76	10.77	10.80	10.75	10.71	10.71	90-100	117.4	28217	97.6,97.6
110	11.26	11.26	11.24	11.29	11.50	11.37	11.32	11.33	100-110	116.4	28334	98,98
120	12.31	12.30	12.34	12.39	12.55	12.45	12.39	12.35	110-120	117.2	28451	98.4,98.4
130	13.61	13.62	13.65	13.71	13.83	13.77	13.65	13.62	120-130	116.8	28568	98.8,98.8
140	14.94	14.93	14.90	14.96	15.07	14.95	14.88	14.83	130-140	110.8	28679	99.2,99.2
150	16.14	16.10	16.12	16.16	16.24	16.15	16.10	16.07	140-150	97.30	28776	99.5,99.5
160	17.61	17.63	17.58	17.58	17.70	17.62	17.60	17.52	150-160	77.73	28854	99.8,99.8
170	19.07	19.06	19.00	19.00	19.09	19.01	19.01	18.97	160-170	51.77	28905	99.9,99.9
180	19.66	19.67	19.59	19.62	19.71	19.67	19.63	19.53	170-180	18.43	28924	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 20648 lm

%lum = 71.4%

%lamp = 71.4%

Conical surface Flux(120deg): 26219 lm

%lum = 90.6%

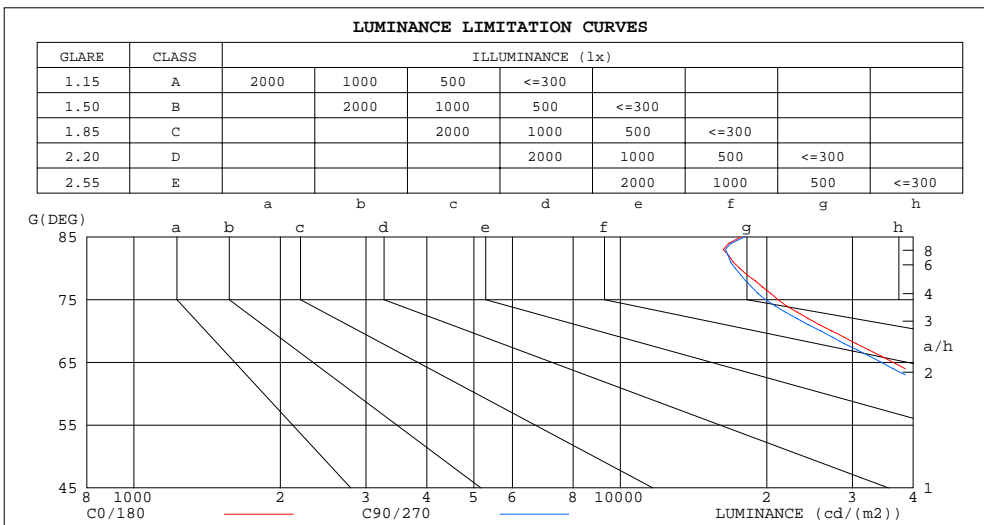
%lamp = 90.6%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

LUMINANCE LIMITATION CURVES

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm		
NAME: UFOA00-150W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	17725	18045
80	17587	17214
75	21076	19872
70	27204	25818
65	36333	34406
60	48648	46561
55	67363	63890
50	95994	93129
45	143392	140181

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

WEC AND CCEC

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm		
NAME: UFOA00-150W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.241	.137	.043	.233	.133	.042	.219	.125	.040	.205	.118	.038	.193	.112	.036	
2.0	.233	.128	.039	.227	.125	.038	.214	.119	.037	.202	.113	.035	.191	.108	.034	
3.0	.222	.118	.035	.216	.116	.035	.205	.111	.034	.194	.107	.033	.185	.102	.032	
4.0	.210	.109	.032	.204	.107	.032	.195	.103	.031	.185	.100	.030	.177	.096	.029	
5.0	.198	.101	.029	.193	.099	.029	.184	.096	.028	.176	.093	.028	.168	.090	.027	
6.0	.187	.094	.027	.183	.092	.027	.175	.090	.026	.167	.087	.026	.160	.084	.025	
7.0	.176	.087	.025	.173	.086	.025	.166	.084	.024	.159	.081	.024	.153	.079	.023	
8.0	.167	.082	.023	.163	.080	.023	.157	.078	.022	.151	.076	.022	.145	.075	.022	
9.0	.158	.076	.021	.155	.076	.021	.149	.074	.021	.144	.072	.021	.138	.070	.020	
10.0	.150	.072	.020	.147	.071	.020	.142	.069	.020	.137	.068	.019	.132	.066	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.197	.179	.162	.169	.153	.139	.116	.105	.096	.067	.061	.056	.021	.020	.018	
2.0	.186	.154	.127	.160	.133	.110	.109	.092	.077	.063	.053	.045	.020	.017	.015	
3.0	.177	.136	.103	.152	.117	.090	.104	.082	.063	.060	.048	.037	.019	.015	.012	
4.0	.169	.122	.086	.145	.106	.075	.100	.074	.053	.058	.043	.031	.019	.014	.010	
5.0	.162	.112	.074	.139	.097	.065	.096	.067	.046	.056	.040	.027	.018	.013	.009	
6.0	.156	.103	.065	.134	.089	.057	.092	.062	.040	.054	.037	.024	.017	.012	.008	
7.0	.149	.096	.059	.129	.083	.051	.089	.058	.036	.052	.034	.022	.017	.011	.007	
8.0	.144	.090	.054	.124	.078	.047	.086	.055	.033	.050	.032	.020	.016	.011	.007	
9.0	.138	.085	.050	.119	.074	.043	.083	.052	.031	.048	.031	.018	.016	.010	.006	
10.0	.133	.081	.046	.115	.070	.041	.080	.050	.029	.047	.029	.017	.015	.010	.006	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

UGR(Unified Glare Rating) Table

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm										
NAME: UFOA00-150W-R090-C					TYPE:			WEIGHT:		
SPEC.:					DIM.: 325*71mm			SERIAL No.:1		
MFR.:					SUR.:D 0.325			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	15.4	16.7	15.7	17.0	17.2	15.3	16.6	15.6	16.8	17.1
3H	15.6	16.8	15.9	17.0	17.3	15.5	16.6	15.8	16.9	17.2
4H	15.6	16.7	16.0	17.0	17.3	15.5	16.6	15.8	16.8	17.1
6H	15.6	16.6	16.0	16.9	17.3	15.4	16.5	15.8	16.8	17.1
8H	15.6	16.6	15.9	16.9	17.2	15.4	16.4	15.8	16.7	17.1
12H	15.5	16.5	15.9	16.8	17.2	15.4	16.3	15.8	16.7	17.0
4H 2H	15.4	16.5	15.8	16.8	17.1	15.3	16.4	15.7	16.7	17.0
3H	15.7	16.6	16.1	16.9	17.3	15.5	16.5	15.9	16.8	17.2
4H	15.7	16.6	16.1	17.0	17.3	15.6	16.5	16.0	16.8	17.2
6H	15.8	16.5	16.2	16.9	17.3	15.6	16.4	16.1	16.8	17.2
8H	15.8	16.5	16.2	16.9	17.3	15.6	16.3	16.1	16.7	17.2
12H	15.8	16.4	16.2	16.8	17.3	15.6	16.3	16.1	16.7	17.2
8H 4H	15.7	16.4	16.1	16.8	17.2	15.6	16.2	16.0	16.7	17.1
6H	15.8	16.3	16.2	16.8	17.3	15.6	16.2	16.1	16.6	17.1
8H	15.8	16.3	16.3	16.8	17.3	15.7	16.2	16.2	16.6	17.1
12H	15.8	16.2	16.3	16.7	17.3	15.7	16.1	16.2	16.6	17.2
12H 4H	15.6	16.3	16.1	16.7	17.2	15.5	16.1	16.0	16.6	17.0
6H	15.7	16.2	16.2	16.7	17.2	15.6	16.1	16.1	16.6	17.1
8H	15.8	16.2	16.3	16.7	17.2	15.7	16.1	16.2	16.6	17.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 1.7					+ 1.6 / - 1.8				
1.5H	+ 1.0 / - 1.5					+ 1.1 / - 1.5				
2.0H	+ 3.2 / - 2.5					+ 3.2 / - 2.5				

CIE Pub.117, 28924 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 11.7)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

UTILIZATION FACTORS TABLE

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm		
NAME: UFOA00-150W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

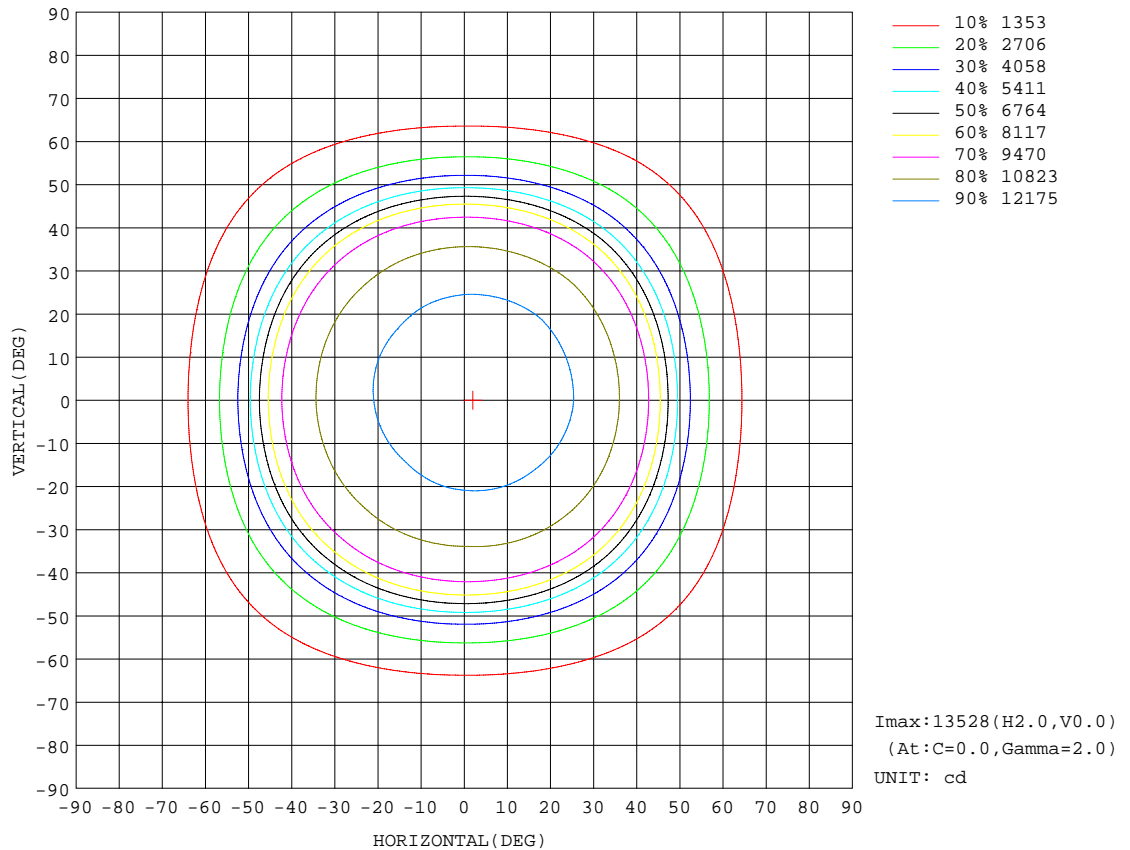
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	50	65	56	50	64	55	49	44
0.80	76	66	60	75	66	60	73	65	59	53
1.00	84	75	69	83	74	69	81	75	68	62
1.25	91	82	77	89	81	76	86	80	75	69
1.50	95	87	82	93	86	81	90	84	80	73
2.00	100	94	89	99	92	88	95	90	86	79
2.50	103	97	92	101	96	91	97	93	89	81
3.00	106	100	96	104	99	95	99	96	92	84
4.00	109	104	101	106	102	99	102	99	96	87
5.00	111	107	104	108	105	102	103	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks: 5000k ra70

ISOCANDELA DIAGRAM

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm		
NAME: UFOA00-150W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:



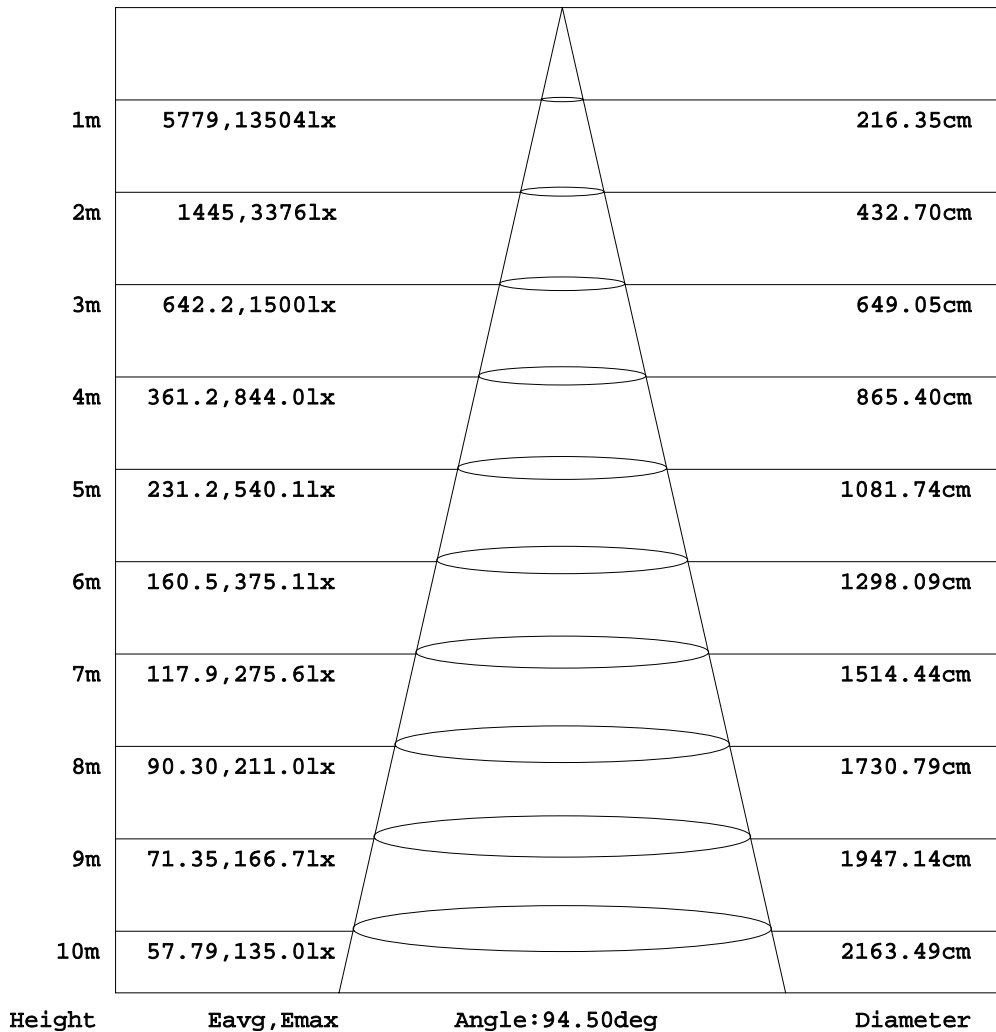
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 28.5DEG
 Operators: lishengchi
 Test Date: 2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 55.0%
 Test Distance: 11.340m [K=1.0000]
 Remarks: 5000k ra70

AAI Figure

Test:U:231.6V I:0.6721A P:151.3W PF:0.9718 Freq:50.00Hz Lamp Flux:28923.8x1 lm		
NAME: UFOA00-150W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.: 325*71mm	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

Flux out:22395 lm

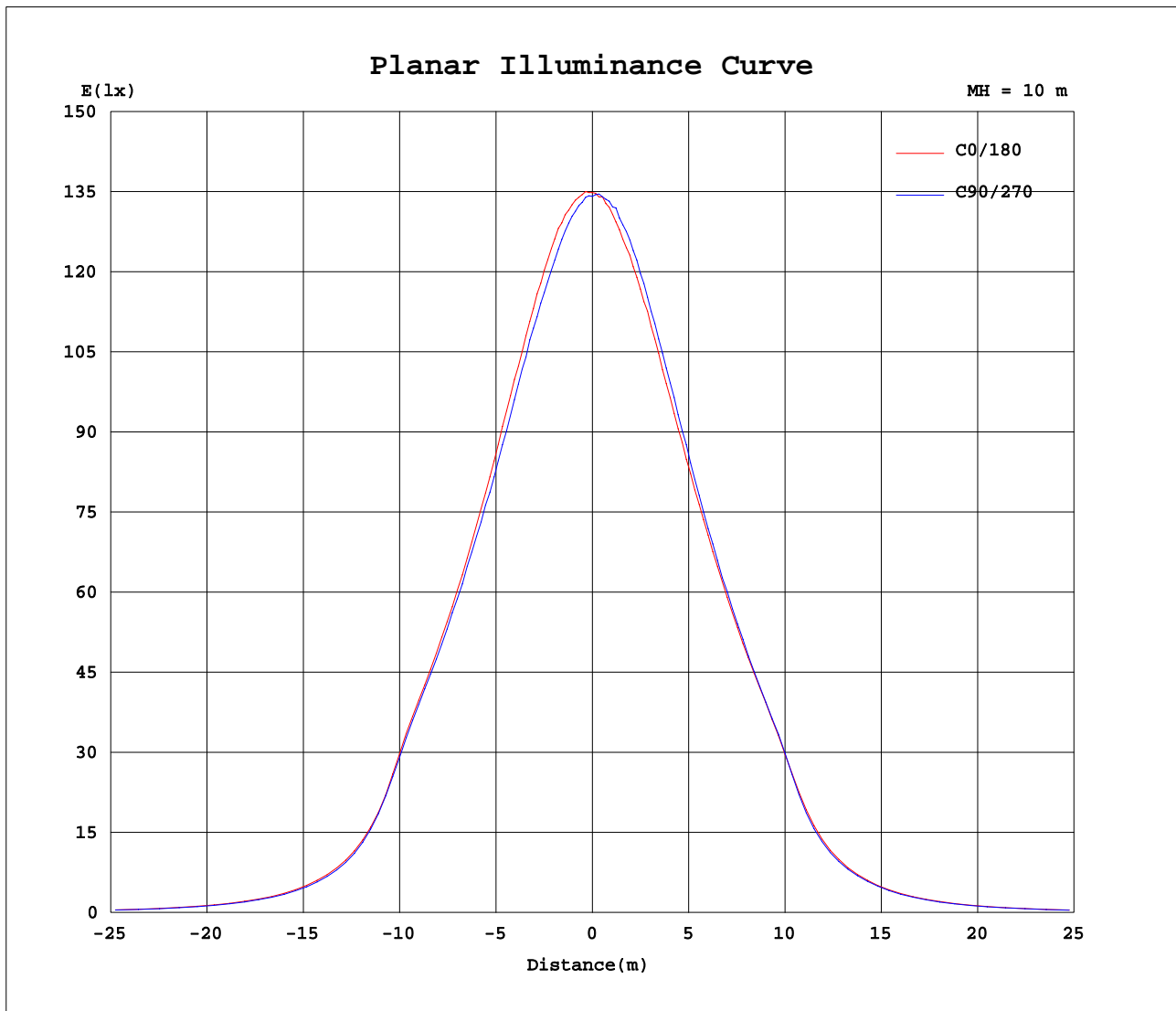


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks: 5000k ra70

Planar Illuminance Curve



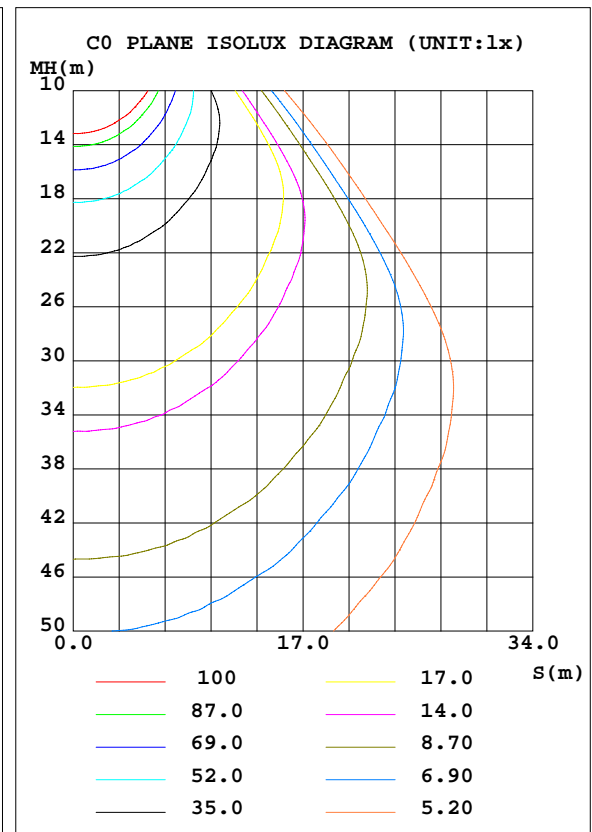
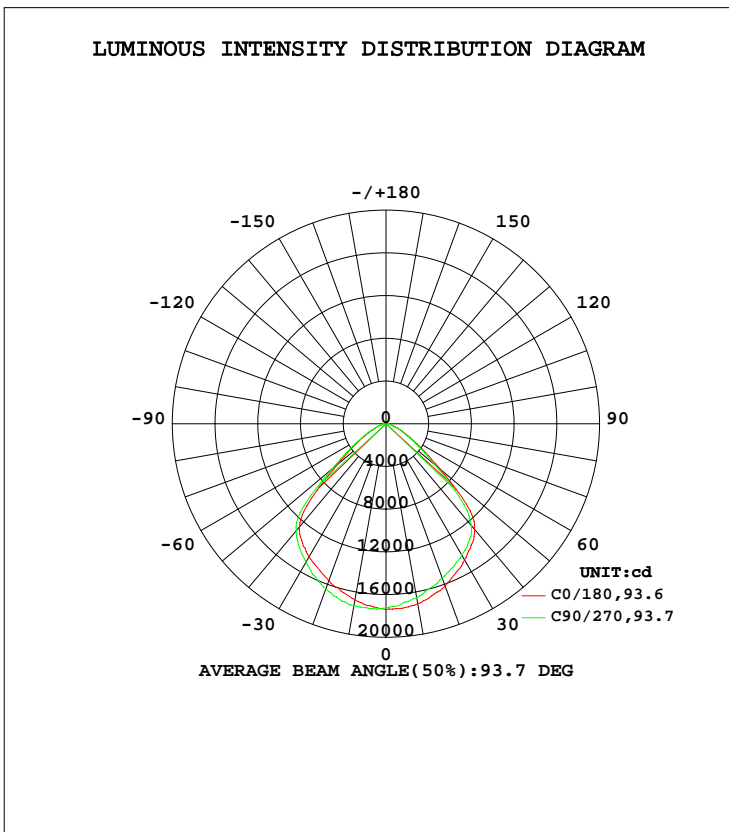
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators: lishengchi
Test Date: 2018-12-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 55.0%
Test Distance: 11.340m [K=1.0000]
Remarks: 5000k ra70

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm		
NAME: UFOA00-200W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 185.84 lm/W			
MODEL	UFOA00-200W-R090-C	Imax(cd)	17379	S/MH(C0/180)	1.24
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	100-240	TOTAL FLUX(lm)	36673	η UP, DN(C0-180)	1.4,48.0
NOMINAL FLUX(lm)	36672.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4,49.2
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	97.2	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1710	1674	1656	1644	1674	1708	1733	1729	0- 10	1631	1631	4.45,4.45
20	1618	1574	1537	1533	1564	1608	1646	1641	10- 20	4643	6274	17.1,17.1
30	1473	1443	1417	1416	1440	1467	1496	1493	20- 30	7038	13312	36.3,36.3
40	1291	1274	1241	1226	1259	1289	1309	1299	30- 40	8616	21929	59.8,59.8
50	657.2	638.5	602.0	586.3	600.1	634.7	660.3	666.4	40- 50	7630	29559	80.6,80.6
60	259.8	254.4	238.4	240.7	233.5	246.4	258.0	268.3	50- 60	3654	33213	90.6,90.6
70	101.8	96.92	92.83	90.73	87.19	91.32	96.41	101.7	60- 70	1597	34810	94.9,94.9
80	35.04	33.54	31.74	30.49	29.09	30.85	31.53	33.85	70- 80	615.8	35426	96.6,96.6
90	14.05	14.05	13.88	13.79	13.58	13.57	13.55	13.47	80- 90	204.2	35630	97.2,97.2
100	13.58	13.55	13.58	13.52	13.75	13.80	13.73	13.62	90-100	148.7	35779	97.6,97.6
110	14.08	14.18	14.26	14.19	14.60	14.44	14.40	14.32	100-110	147.2	35926	98,98
120	15.40	15.58	15.68	15.64	15.96	15.77	15.62	15.55	110-120	148.3	36074	98.4,98.4
130	17.13	17.33	17.40	17.37	17.61	17.36	17.19	17.10	120-130	147.6	36222	98.8,98.8
140	18.79	18.96	19.00	19.04	19.18	18.89	18.78	18.74	130-140	140.2	36362	99.2,99.2
150	20.35	20.40	20.45	20.56	20.64	20.43	20.30	20.26	140-150	123.2	36485	99.5,99.5
160	22.21	22.29	22.30	22.41	22.58	22.32	22.31	22.15	150-160	98.56	36584	99.8,99.8
170	24.05	24.02	24.05	24.14	24.22	24.10	24.07	24.04	160-170	65.61	36650	99.9,99.9
180	24.93	24.88	24.80	24.86	24.95	24.86	24.78	24.85	170-180	23.33	36673	100,100
DEG	LUMINOUS INTENSITY: $\times 10\text{cd}$									UNIT:lm		

Conical surface Flux(90deg): 26257 lm

%lum = 71.6%

%lamp = 71.6%

Conical surface Flux(120deg): 33213 lm

%lum = 90.6%

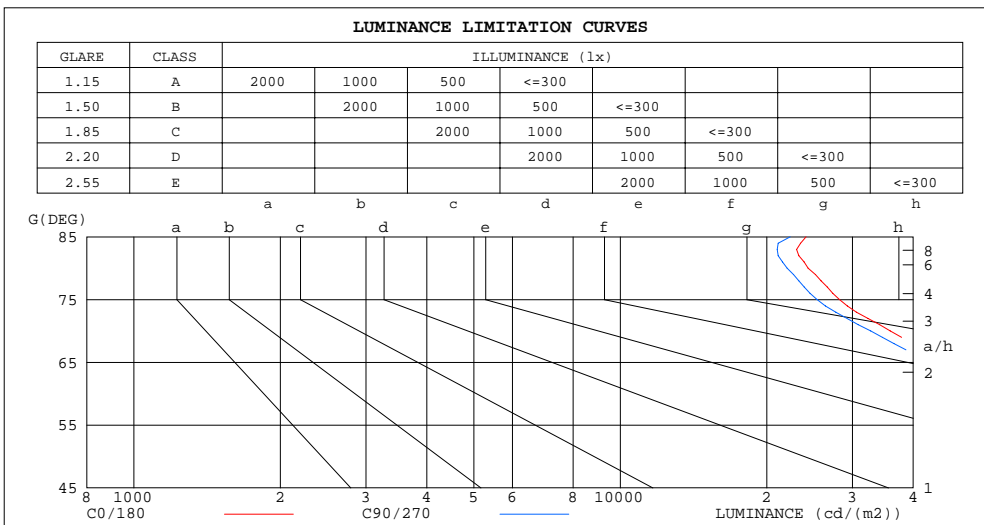
%lamp = 90.6%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm		
NAME: UFOA00-200W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	24089	22342
80	24314	22025
75	28208	25382
70	35876	32700
65	47203	43278
60	62603	57457
55	86529	79612
50	123175	112832
45	181320	166044

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 28.5DEG
 Operators: lishengchi
 Test Date: 2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 55.0%
 Test Distance: 11.340m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm		
NAME: UFOA00-200W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.241	.137	.043	.233	.133	.042	.219	.126	.040	.205	.118	.038	.193	.112	.036	
2.0	.233	.128	.039	.226	.125	.038	.214	.119	.037	.202	.113	.035	.191	.108	.034	
3.0	.222	.118	.035	.216	.116	.035	.205	.111	.034	.194	.106	.033	.185	.102	.032	
4.0	.209	.109	.032	.204	.107	.032	.194	.103	.031	.185	.099	.030	.177	.096	.029	
5.0	.198	.101	.029	.193	.099	.029	.184	.096	.028	.176	.093	.028	.168	.090	.027	
6.0	.187	.093	.027	.182	.092	.027	.174	.089	.026	.167	.087	.026	.160	.084	.025	
7.0	.176	.087	.025	.172	.086	.024	.165	.084	.024	.159	.081	.024	.152	.079	.023	
8.0	.167	.081	.023	.163	.080	.023	.157	.078	.022	.151	.076	.022	.145	.074	.022	
9.0	.158	.076	.021	.155	.075	.021	.149	.074	.021	.143	.072	.021	.138	.070	.020	
10.0	.150	.072	.020	.147	.071	.020	.142	.069	.020	.137	.068	.019	.132	.066	.019	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.197	.179	.162	.169	.153	.139	.116	.105	.096	.066	.061	.056	.021	.020	.018	
2.0	.186	.154	.127	.160	.133	.110	.109	.092	.077	.063	.053	.045	.020	.017	.015	
3.0	.177	.136	.103	.152	.117	.090	.104	.082	.063	.060	.048	.037	.019	.015	.012	
4.0	.169	.122	.086	.145	.106	.075	.100	.074	.053	.058	.043	.031	.019	.014	.010	
5.0	.162	.112	.074	.139	.097	.065	.096	.067	.046	.056	.040	.027	.018	.013	.009	
6.0	.155	.103	.065	.134	.089	.057	.092	.062	.040	.053	.037	.024	.017	.012	.008	
7.0	.149	.096	.059	.128	.083	.051	.089	.058	.036	.052	.034	.022	.017	.011	.007	
8.0	.144	.090	.054	.124	.078	.047	.085	.055	.033	.050	.032	.020	.016	.011	.007	
9.0	.138	.085	.050	.119	.074	.043	.082	.052	.031	.048	.031	.018	.016	.010	.006	
10.0	.133	.081	.046	.115	.070	.041	.080	.050	.029	.046	.029	.017	.015	.010	.006	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm										
NAME: UFOA00-200W-R090-C					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:1		
MFR.:					SUR.:D 0.325			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	15.5	16.7	15.8	17.0	17.2	15.2	16.5	15.5	16.7	17.0
3H	15.6	16.8	16.0	17.1	17.3	15.3	16.5	15.7	16.8	17.1
4H	15.7	16.8	16.0	17.0	17.3	15.4	16.5	15.7	16.7	17.0
6H	15.7	16.7	16.0	17.0	17.3	15.3	16.4	15.7	16.7	17.0
8H	15.6	16.6	16.0	16.9	17.3	15.3	16.3	15.7	16.6	17.0
12H	15.6	16.6	16.0	16.9	17.3	15.3	16.3	15.7	16.6	16.9
4H 2H	15.5	16.6	15.8	16.8	17.1	15.2	16.3	15.6	16.6	16.9
3H	15.7	16.7	16.1	17.0	17.3	15.5	16.4	15.8	16.7	17.1
4H	15.8	16.6	16.2	17.0	17.4	15.5	16.4	15.9	16.7	17.1
6H	15.8	16.6	16.3	17.0	17.4	15.6	16.3	16.0	16.7	17.1
8H	15.9	16.6	16.3	17.0	17.4	15.6	16.3	16.0	16.7	17.1
12H	15.9	16.5	16.3	16.9	17.4	15.6	16.2	16.0	16.6	17.1
8H 4H	15.7	16.4	16.2	16.8	17.3	15.5	16.2	15.9	16.6	17.0
6H	15.8	16.4	16.3	16.9	17.3	15.6	16.1	16.1	16.6	17.1
8H	15.9	16.4	16.4	16.9	17.4	15.6	16.1	16.1	16.6	17.1
12H	15.9	16.4	16.4	16.8	17.4	15.6	16.1	16.2	16.6	17.1
12H 4H	15.7	16.3	16.2	16.8	17.2	15.4	16.1	15.9	16.5	17.0
6H	15.8	16.3	16.3	16.8	17.3	15.6	16.1	16.1	16.5	17.0
8H	15.9	16.3	16.4	16.8	17.3	15.6	16.0	16.1	16.5	17.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 1.7					+ 1.5 / - 1.8				
1.5H	+ 1.0 / - 1.4					+ 0.9 / - 1.3				
2.0H	+ 3.1 / - 2.4					+ 3.0 / - 2.3				

CIE Pub.117, 36673 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 12.5$)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:28.5DEG
Operators:lishengchi
Test Date:2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:55.0%
Test Distance:11.340m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm		
NAME: UFOA00-200W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

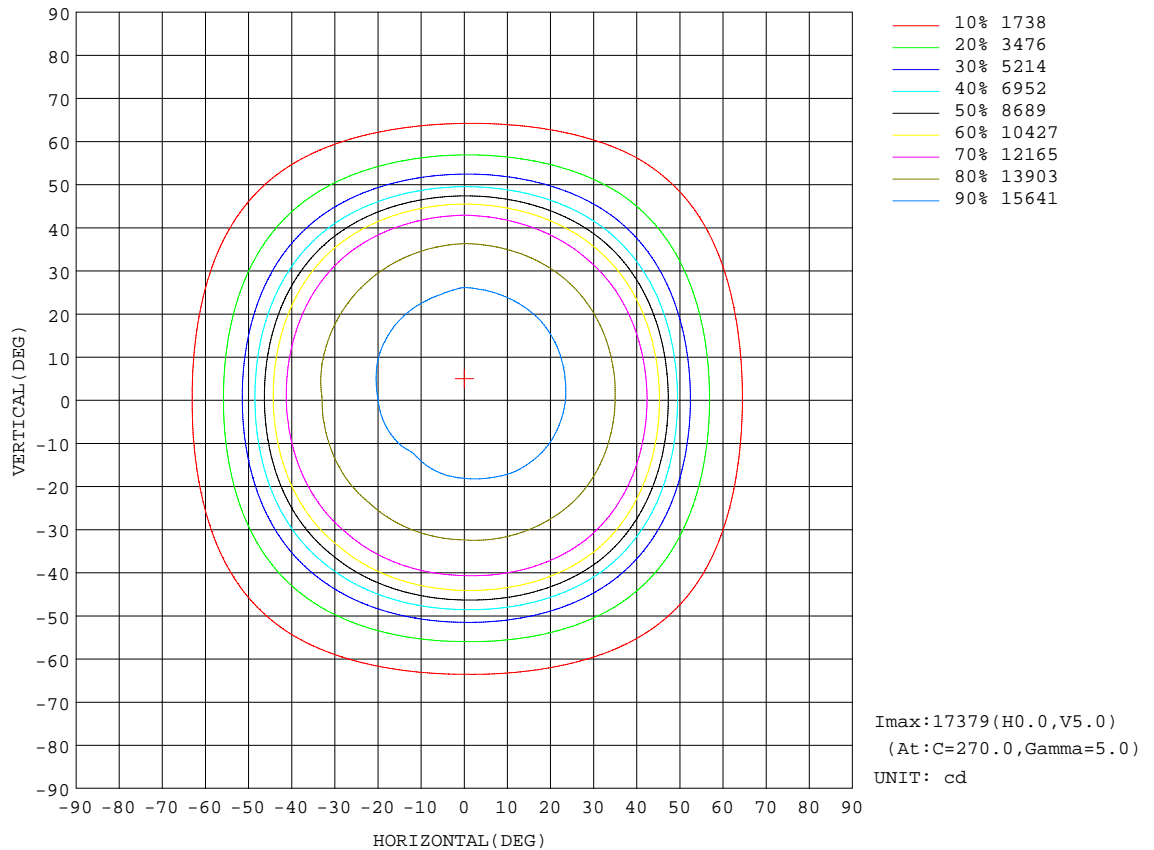
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	66	56	50	65	56	50	64	55	50	44
0.80	76	67	60	75	66	60	73	65	60	54
1.00	84	75	69	83	75	69	81	75	68	62
1.25	91	82	77	89	82	76	87	80	75	69
1.50	95	87	82	93	86	81	90	84	80	73
2.00	100	94	89	99	93	88	95	90	86	79
2.50	103	97	93	101	96	91	97	93	89	81
3.00	106	101	96	104	99	95	99	96	92	84
4.00	109	104	101	106	102	99	102	99	96	87
5.00	111	107	104	108	105	102	103	101	98	89
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm		
NAME: UFOA00-200W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:



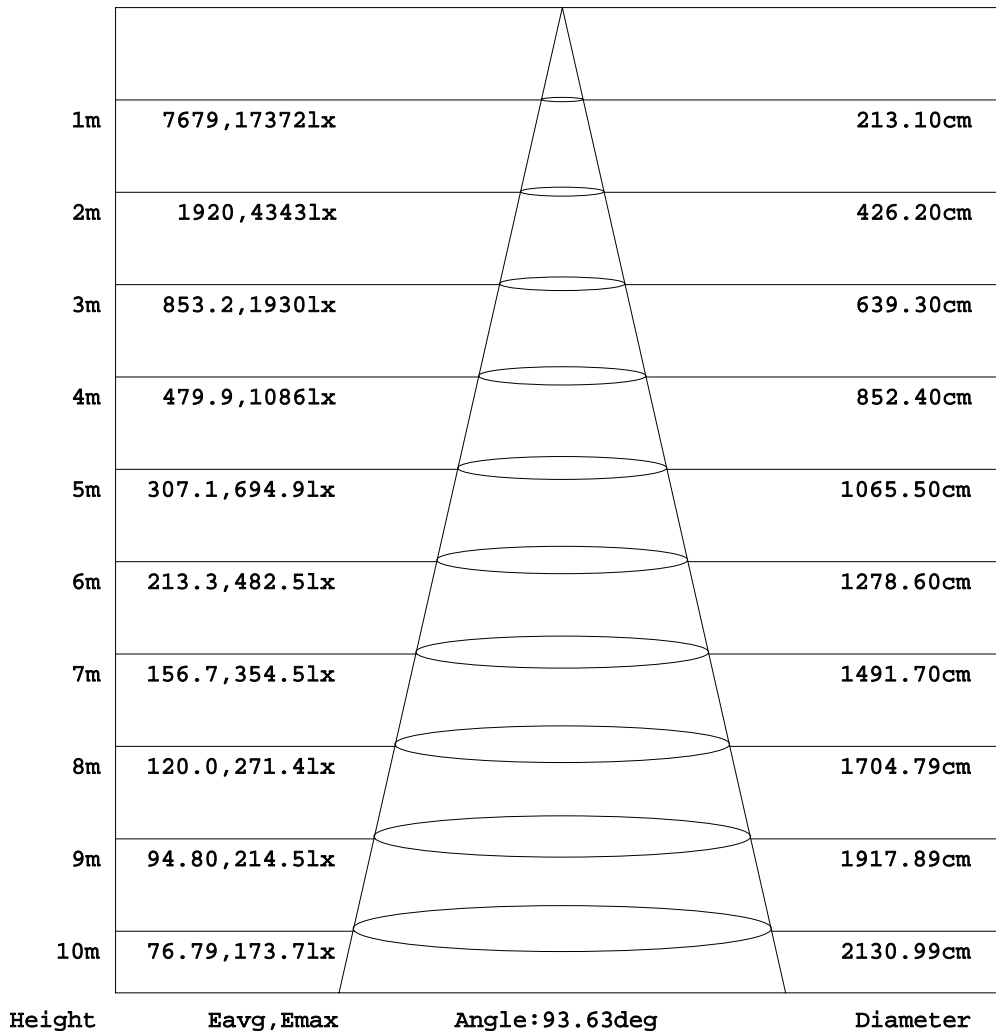
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 28.5DEG
 Operators: lishengchi
 Test Date: 2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 55.0%
 Test Distance: 11.340m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.1V I:0.8818A P:197.3W PF:0.9724 Freq:50.00Hz Lamp Flux:36672.8x1 lm		
NAME: UFOA00-200W-R090-C	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.:	SUR.:D 0.325	Shielding Angle:

Flux out:27741 lm

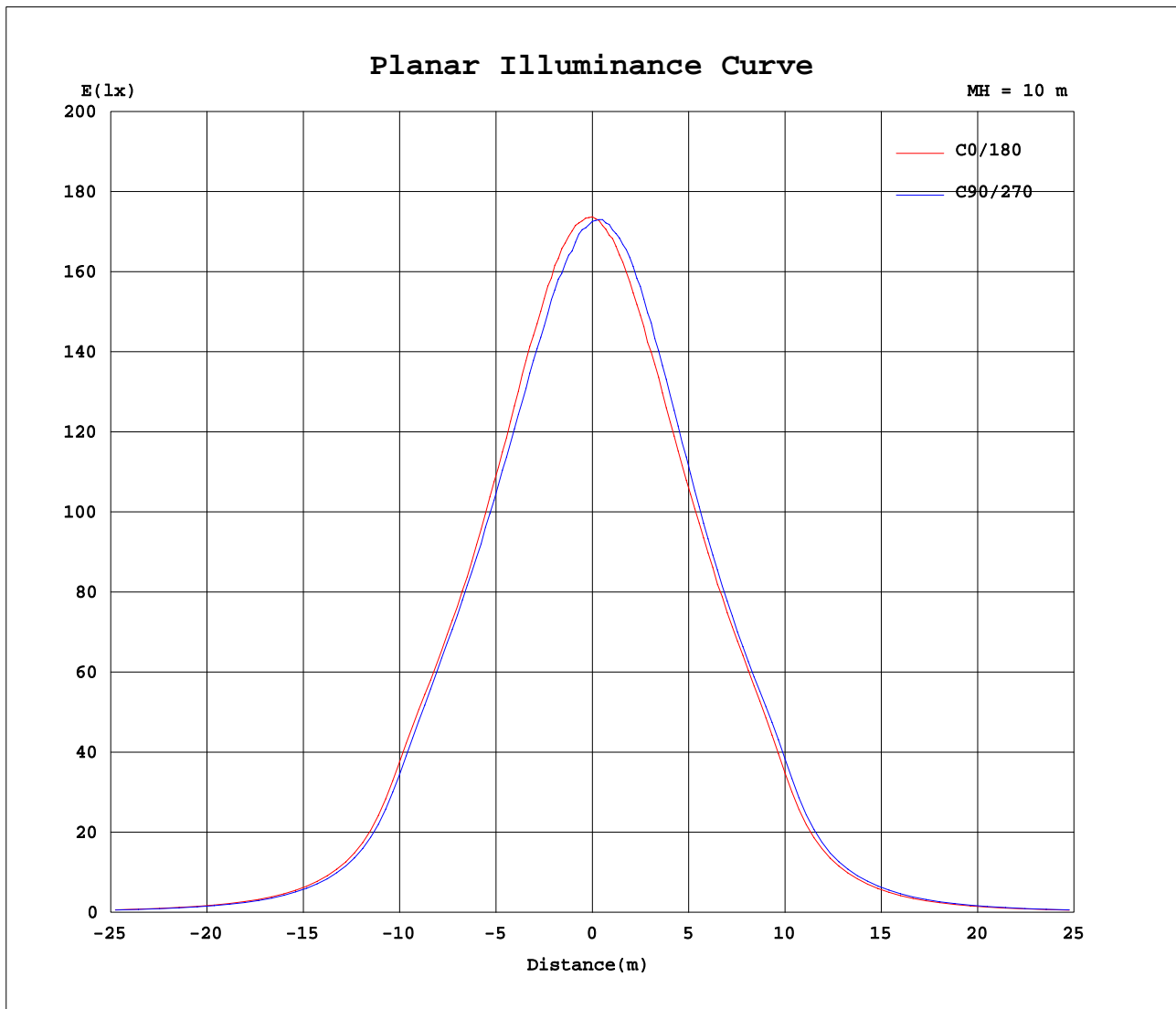


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:28.5DEG
 Operators:lishengchi
 Test Date:2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:55.0%
 Test Distance:11.340m [K=1.0000]
 Remarks:

Planar Illuminance Curve

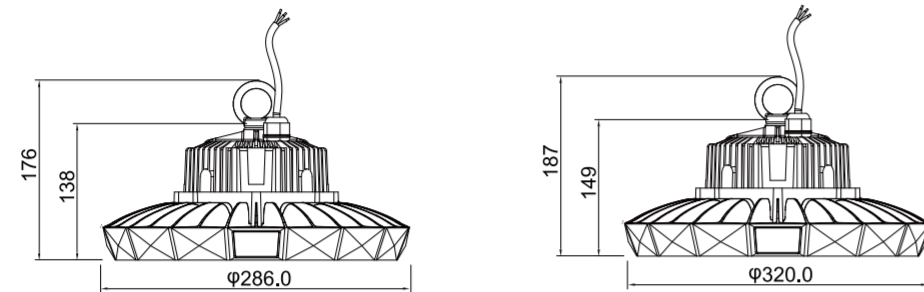


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 28.5DEG
Operators: lishengchi
Test Date: 2018-12-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 55.0%
Test Distance: 11.340m [K=1.0000]
Remarks:

LED HIGH BAY (Super Bright) Installation Manual

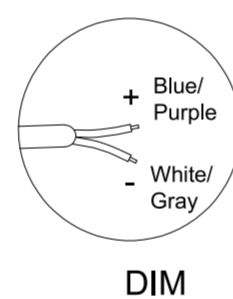
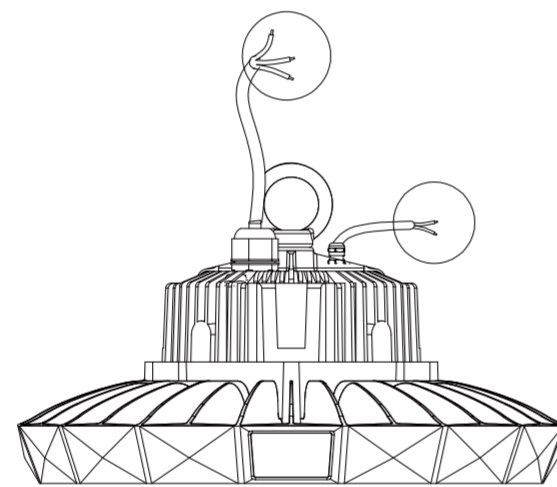
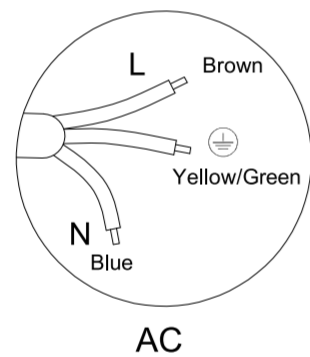
Standard



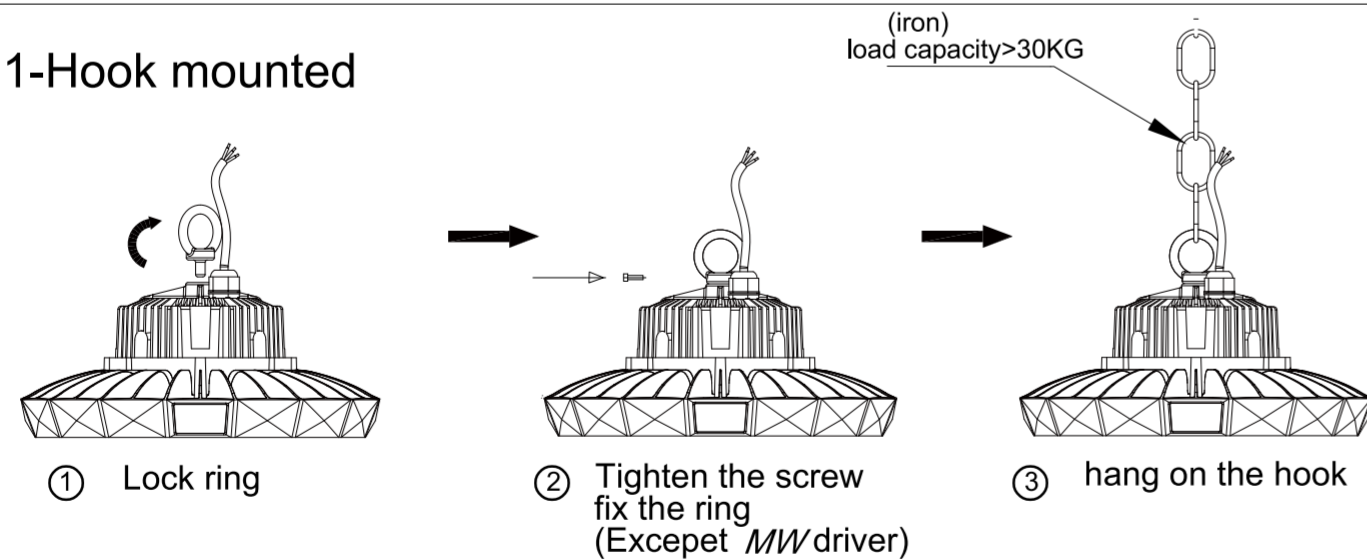
Model	Product L*W*H(mm)	Carton L*W*H(mm)	NW(kg) ±0.2	GW(kg) ±0.2	Efficiency
70W-110W	Φ286.0X176	L320xW320xH185	2.9	3.2	170-190LM/W
150W-200W	Φ320.0X187	L380xW380xH185	4.2	4.5	

Model	Product L*W*H(mm)	Carton L*W*H(mm)	NW(kg) ±0.2	GW(kg) ±0.2	Efficiency
70W-150W	Φ286.0X176	L320xW320xH185	2.9	3.2	130-160LM/W
150W-200W	Φ320.0X187	L380xW380xH185	4.2	4.5	

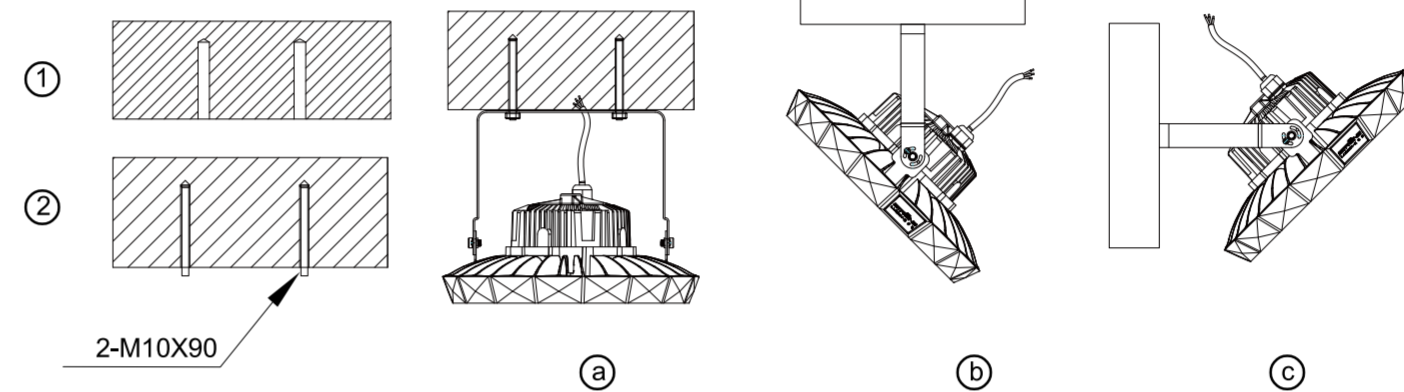
Wiring diagram



1-Hook mounted

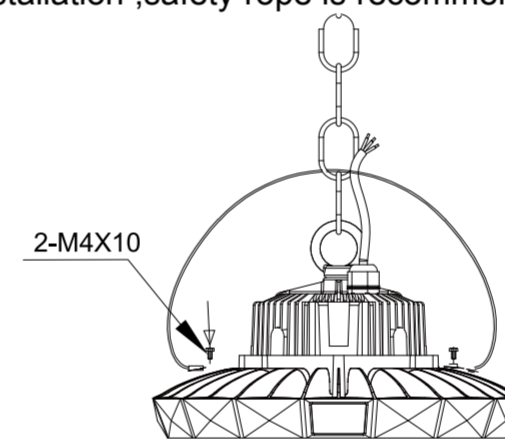


2-Bracket mounted

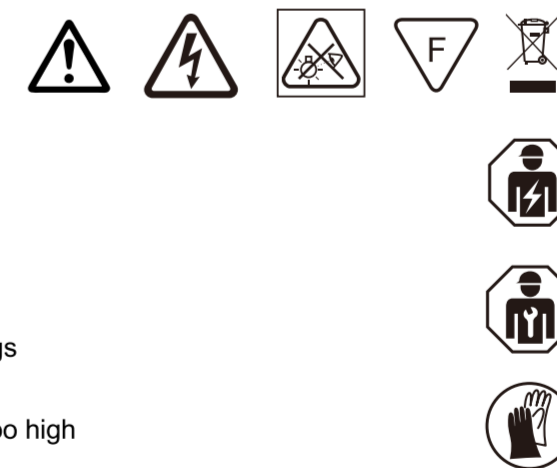


Safety rope

For all of the above installation ,safety rope is recommended that all models



- Read through this manual before installation
- Handle the product with care
- The product must be grounded
- This product must be installed and maintained by certified electrician
- Consult with the manufacturer before maintenance
- Turn OFF the power before installation and maintenance
- Make sure the products are securely installed
- The housing might become hot after operation
- Primary use: high-bay luminaires for commercial and industrial buildings
- Make sure the construction is strong enough to support the products
- The product will automatically shut down once the temperature goes too high ;and will automatically turn on once it cools down
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire shall be destroyed.





BELLING TEST

DECLARATION OF CONFORMITY

Certification No.: 18071906-CE- E

Issue Date: 2019-02-19

In accordance with the following directives:

The EMC directive 2014/30/EU

The devices, as described herewith, were tested pursuant to applicable procedure and found to comply with the standard(s):

EN 55015:2013+A1:2015; EN 61000-3-2:2014;

EN 61000-3-3:2013; EN 61547:2009

Applicant: Strong Lumen Opto Co Ltd

Address: Bldg L, Licheng tech Ind., Xinhe Road,
Shajing, 518104, Shenzhen, China

Product: LED High Bay Light

Model No.: SL-UFOA00-70Y-R090-C; SL-UFOA00-90Y-R090-C;
SL-UFOA00-110Y-R090-C; SL-UFOA00-150Y-R090-C;
SL-UFOA00-200Y-R090-C; SL-UFOA00-240Y-R090-C

Trade name: 

The tests were performed in normal operation mode, the test results apply only to the particular samples tested and to the tests carried out.

This certificate applies specifically to the sample(s) investigated in our test reference number only.



The CE mark as shown below can be affixed on the product(s) after Preparation necessary technical documentations.

Authorized By: *Kevin Xu*

Shenzhen Belling Test Laboratory





BELLING TEST

DECLARATION OF CONFORMITY

Certification No.: 18071906-CE- S

Issue Date: 2019-02-19

In accordance with the following directives:

The LVD directive 2014/35/EU

The devices, as described herewith, were tested pursuant to applicable procedure and found to comply with the standard(s):

EN 60598-2-1:1989; EN 60598-1:2015

Applicant: Strong Lumen Opto Co Ltd

Address: Bldg L, Licheng tech Ind., Xinhe Road,
Shajing, 518104, Shenzhen, China

Product: LED High Bay Light

Model No.: SL-UFOA00-70Y-R090-C; SL-UFOA00-90Y-R090-C;
SL-UFOA00-110Y-R090-C; SL-UFOA00-150Y-R090-C;
SL-UFOA00-200Y-R090-C; SL-UFOA00-240Y-R090-C

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