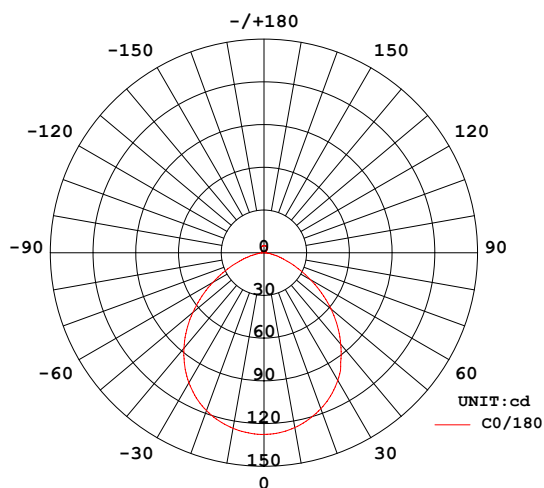


LUMINAIRE PHOTOMETRIC TEST REPORT

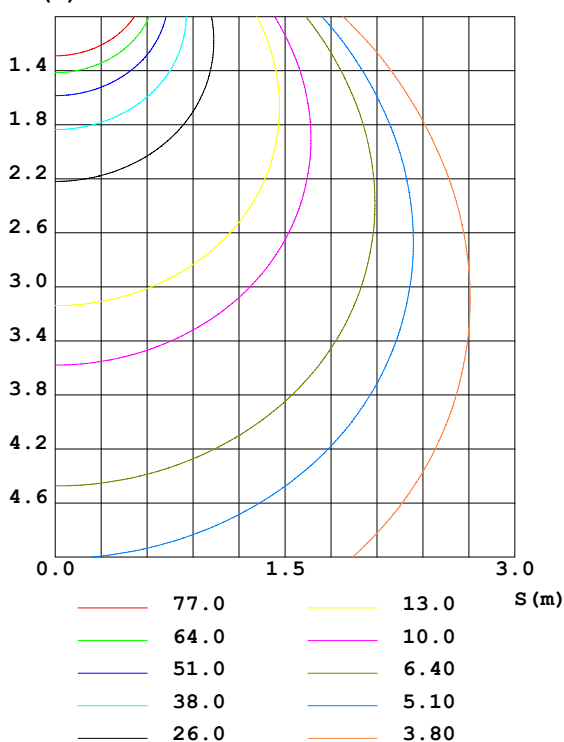
NAME: x-Glo-36-220v	WEIGHT:0.131kg/m	
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 33.23 lm/W			
MODEL	2835	I <sub>max</sub> (cd)	130.2	S/MH (C0/180)	1.23
NOMINAL POWER (W)	12	LOR (%)	91.9	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	AC230	TOTAL FLUX (lm)	389.75	η UP, DN (C0-180)	4.9, 39.2
NOMINAL FLUX (lm)	424.1	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	5.3, 42.6
LAMPS INSIDE	1	η up (%)	10.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	AC230	η down (%)	81.7	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: JIAO  
Test Date: 2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity: 46%  
Test Distance: 6.800m [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	125.2	125.4	125.3	125.6	124.7	126.8	126.9	126.2	0- 10	12.11	12.11	3.11,2.86
20	118.0	118.2	118.4	119.0	116.6	120.6	122.1	120.4	10- 20	34.77	46.88	12,11.1
30	105.5	107.7	106.6	108.2	103.6	111.5	113.4	110.6	20- 30	52.77	99.65	25.6,23.5
40	87.53	89.08	90.64	90.47	83.87	96.74	97.06	96.85	30- 40	62.82	162.5	41.7,38.3
50	65.26	69.18	68.87	69.88	61.48	77.57	76.93	75.29	40- 50	62.73	225.2	57.8,53.1
60	41.37	46.99	48.04	48.86	37.54	57.83	56.91	55.76	50- 60	53.56	278.8	71.5,65.7
70	19.82	27.48	27.36	28.33	17.43	35.92	38.88	35.09	60- 70	38.40	317.2	81.4,74.8
80	6.048	10.94	10.10	11.66	5.191	17.65	18.76	16.23	70- 80	21.35	338.5	86.9,79.8
90	0.4850	4.857	5.017	4.702	0.6673	5.690	5.858	5.824	80- 90	8.052	346.6	88.9,81.7
100	0.7330	5.342	5.682	5.247	1.019	4.773	5.022	4.742	90-100	4.413	351.0	90,82.8
110	1.180	5.573	6.707	5.331	1.508	5.972	6.231	6.017	100-110	4.749	355.7	91.3,83.9
120	1.634	8.059	11.68	6.797	1.965	6.784	9.961	7.476	110-120	5.774	361.5	92.7,85.2
130	2.133	10.56	16.65	8.237	2.471	8.510	12.71	9.696	120-130	7.069	368.6	94.6,86.9
140	2.857	9.892	14.47	6.984	3.397	9.961	20.03	12.91	130-140	7.383	375.9	96.5,88.6
150	3.967	12.15	17.15	8.473	4.454	9.310	18.57	13.31	140-150	6.504	382.5	98.1,90.2
160	4.598	8.552	12.37	7.352	4.925	9.772	14.89	12.03	150-160	4.688	387.1	99.3,91.3
170	4.866	4.649	4.503	5.073	5.022	7.605	6.447	7.311	160-170	2.118	389.3	99.9,91.8
180	5.188	4.913	4.018	4.644	5.199	4.930	4.026	4.659	170-180	0.4970	389.8	100,91.9
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

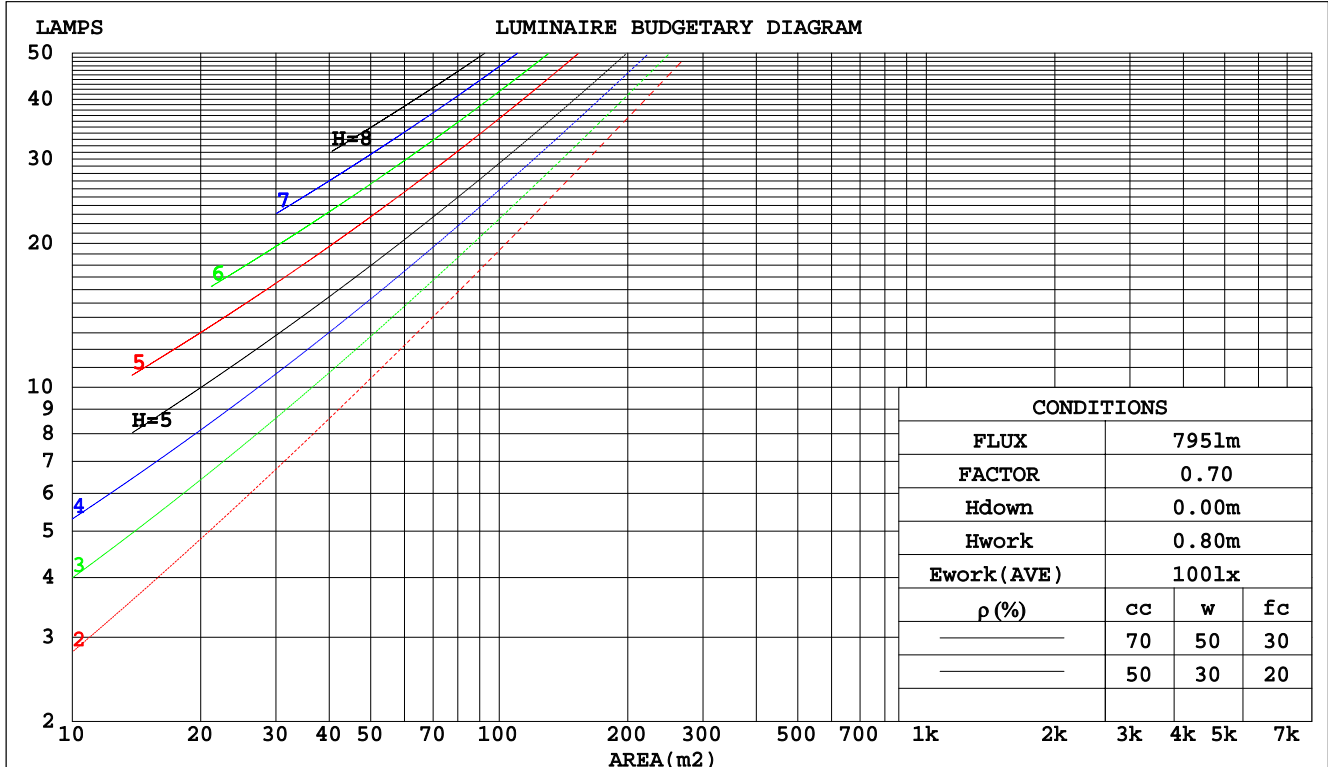
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: x-G10-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.07	1.07	1.07	1.03	1.03	1.03	.96	.96	.96	.90	.90	.90	.84	.84	.84	.82
1.0	.93	.90	.86	.90	.87	.84	.85	.82	.79	.79	.77	.75	.74	.73	.71	.69
2.0	.82	.76	.71	.79	.74	.69	.74	.70	.66	.70	.66	.63	.66	.63	.60	.57
3.0	.72	.65	.59	.70	.63	.58	.66	.60	.55	.62	.57	.53	.58	.54	.51	.49
4.0	.64	.56	.50	.62	.55	.49	.58	.52	.47	.55	.50	.46	.52	.48	.44	.42
5.0	.57	.49	.43	.55	.48	.42	.52	.46	.41	.50	.44	.40	.47	.42	.38	.36
6.0	.51	.43	.38	.50	.43	.37	.47	.41	.36	.45	.39	.35	.43	.38	.34	.32
7.0	.47	.39	.33	.45	.38	.33	.43	.37	.32	.41	.35	.31	.39	.34	.30	.28
8.0	.43	.35	.30	.41	.34	.29	.39	.33	.29	.38	.32	.28	.36	.31	.27	.25
9.0	.39	.32	.27	.38	.31	.26	.36	.30	.26	.35	.29	.25	.33	.28	.24	.23
10.0	.36	.29	.24	.35	.28	.24	.34	.28	.23	.32	.27	.23	.31	.26	.22	.21



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

WEC AND CCEC

NAME: x-Glo-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.276	.157	.050	.266	.152	.048	.248	.143	.046	.232	.134	.043	.217	.126	.041		
2.0	.258	.141	.043	.249	.137	.042	.233	.130	.040	.218	.123	.038	.205	.116	.037		
3.0	.238	.127	.038	.231	.124	.037	.216	.117	.036	.203	.111	.034	.191	.106	.033		
4.0	.220	.115	.034	.214	.112	.033	.201	.106	.032	.189	.101	.031	.177	.096	.029		
5.0	.204	.104	.030	.198	.102	.030	.186	.097	.029	.175	.093	.028	.165	.088	.027		
6.0	.190	.095	.027	.184	.093	.027	.173	.089	.026	.164	.085	.025	.154	.081	.024		
7.0	.177	.087	.025	.172	.086	.024	.162	.082	.024	.153	.078	.023	.144	.075	.022		
8.0	.165	.081	.023	.161	.079	.022	.152	.076	.022	.144	.073	.021	.136	.070	.020		
9.0	.155	.075	.021	.151	.074	.021	.143	.071	.020	.135	.068	.019	.128	.065	.019		
10.0	.146	.070	.019	.142	.069	.019	.135	.066	.019	.128	.063	.018	.121	.061	.017		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.253	.253	.253	.216	.216	.216	.147	.147	.147	.085	.085	.085	.027	.027	.027	
1.0	.243	.222	.202	.208	.190	.174	.142	.131	.120	.082	.076	.070	.026	.024	.023	
2.0	.236	.200	.170	.202	.172	.147	.138	.119	.103	.080	.069	.060	.026	.022	.020	
3.0	.228	.184	.149	.196	.159	.129	.134	.110	.091	.078	.064	.053	.025	.021	.017	
4.0	.222	.172	.134	.190	.149	.117	.131	.104	.082	.076	.061	.049	.024	.020	.016	
5.0	.215	.163	.124	.185	.141	.108	.127	.098	.076	.074	.058	.045	.024	.019	.015	
6.0	.209	.155	.117	.179	.134	.102	.124	.094	.072	.072	.055	.043	.023	.018	.014	
7.0	.202	.149	.112	.174	.129	.097	.120	.091	.069	.070	.053	.041	.023	.017	.014	
8.0	.197	.144	.107	.169	.125	.094	.117	.088	.066	.068	.052	.040	.022	.017	.013	
9.0	.191	.139	.104	.165	.121	.091	.114	.085	.065	.067	.050	.039	.022	.016	.013	
10.0	.186	.136	.102	.161	.118	.089	.111	.083	.063	.065	.049	.038	.021	.016	.012	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

Uncorrected UGR Table

NAME: x-G10-36-220v								WEIGHT:0.131kg/m			
DIM.: 6*15.5mm					SPEC.:			SERIAL No.:			
MFR.: CLEAR					SUR.:15.5*1000mm			PROTECTION 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		18.1	19.4	18.5	19.8	20.2	18.4	19.7	18.8	20.1	20.5
3H		18.9	20.2	19.4	20.6	21.0	19.6	20.8	20.0	21.2	21.7
4H		19.2	20.4	19.7	20.8	21.3	20.0	21.2	20.5	21.6	22.1
6H		19.3	20.4	19.8	20.9	21.4	20.3	21.4	20.8	21.8	22.3
8H		19.4	20.4	19.9	20.9	21.4	20.4	21.4	20.9	21.9	22.4
12H		19.3	20.3	19.8	20.8	21.4	20.4	21.4	20.9	21.9	22.4
4H 2H		18.6	19.7	19.0	20.2	20.7	18.8	20.0	19.3	20.4	20.9
3H		19.7	20.7	20.2	21.2	21.7	20.2	21.2	20.7	21.7	22.2
4H		20.1	21.0	20.6	21.5	22.1	20.8	21.7	21.3	22.2	22.8
6H		20.3	21.2	20.9	21.7	22.3	21.1	22.0	21.7	22.5	23.1
8H		20.4	21.1	21.0	21.7	22.3	21.3	22.0	21.8	22.6	23.2
12H		20.4	21.1	21.0	21.7	22.3	21.4	22.1	22.0	22.6	23.3
8H 4H		20.3	21.1	20.9	21.6	22.2	20.9	21.7	21.5	22.2	22.9
6H		20.7	21.4	21.4	22.0	22.6	21.4	22.0	22.0	22.6	23.3
8H		20.9	21.4	21.5	22.0	22.7	21.6	22.2	22.2	22.8	23.5
12H		21.0	21.4	21.6	22.1	22.8	21.8	22.3	22.5	22.9	23.6
12H 4H		20.3	21.0	20.9	21.6	22.2	20.9	21.6	21.5	22.2	22.8
6H		20.8	21.3	21.4	21.9	22.6	21.5	22.0	22.1	22.6	23.3
8H		21.0	21.5	21.6	22.1	22.8	21.7	22.2	22.3	22.8	23.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H		+ 0.3 / - 0.4					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.6					+ 0.3 / - 0.2				

CIE Pub.117 Corrected 424.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.0)

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

UTILIZATION FACTORS TABLE

NAME: x-Glo-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

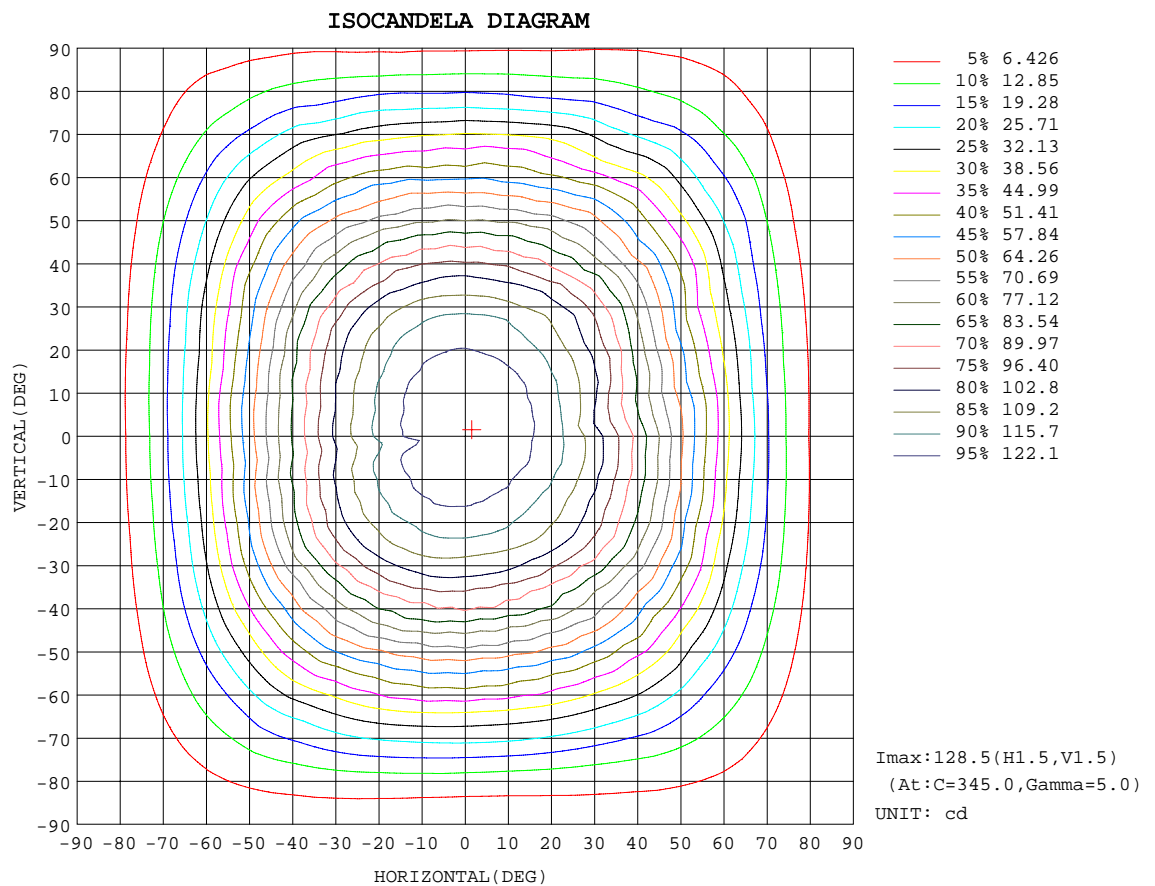
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	51	41	34	50	40	34	48	39	34	28
0.80	60	50	43	59	49	43	56	48	42	35
1.00	68	57	51	66	57	50	63	57	49	42
1.25	74	64	58	72	63	57	69	61	56	48
1.50	79	69	63	76	68	62	72	66	60	52
2.00	85	77	71	82	75	70	78	72	67	58
2.50	88	81	75	86	79	74	81	75	71	61
3.00	91	85	80	89	83	78	83	79	75	64
4.00	95	90	85	92	87	83	86	83	79	68
5.00	97	93	89	94	90	86	88	85	82	71
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

NAME: x-G1o-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/



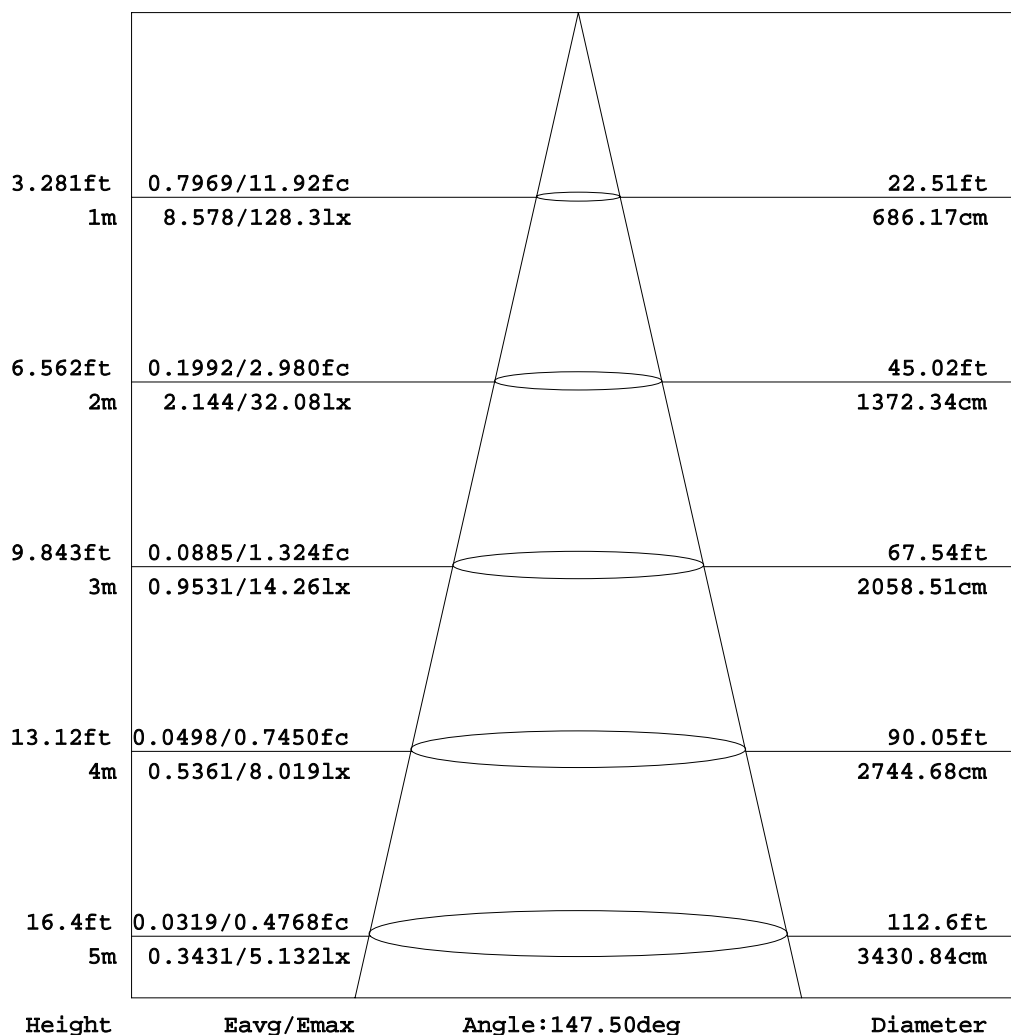
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

### AAI Figure

NAME: x-Glo-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Flux out:327.7 lm



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

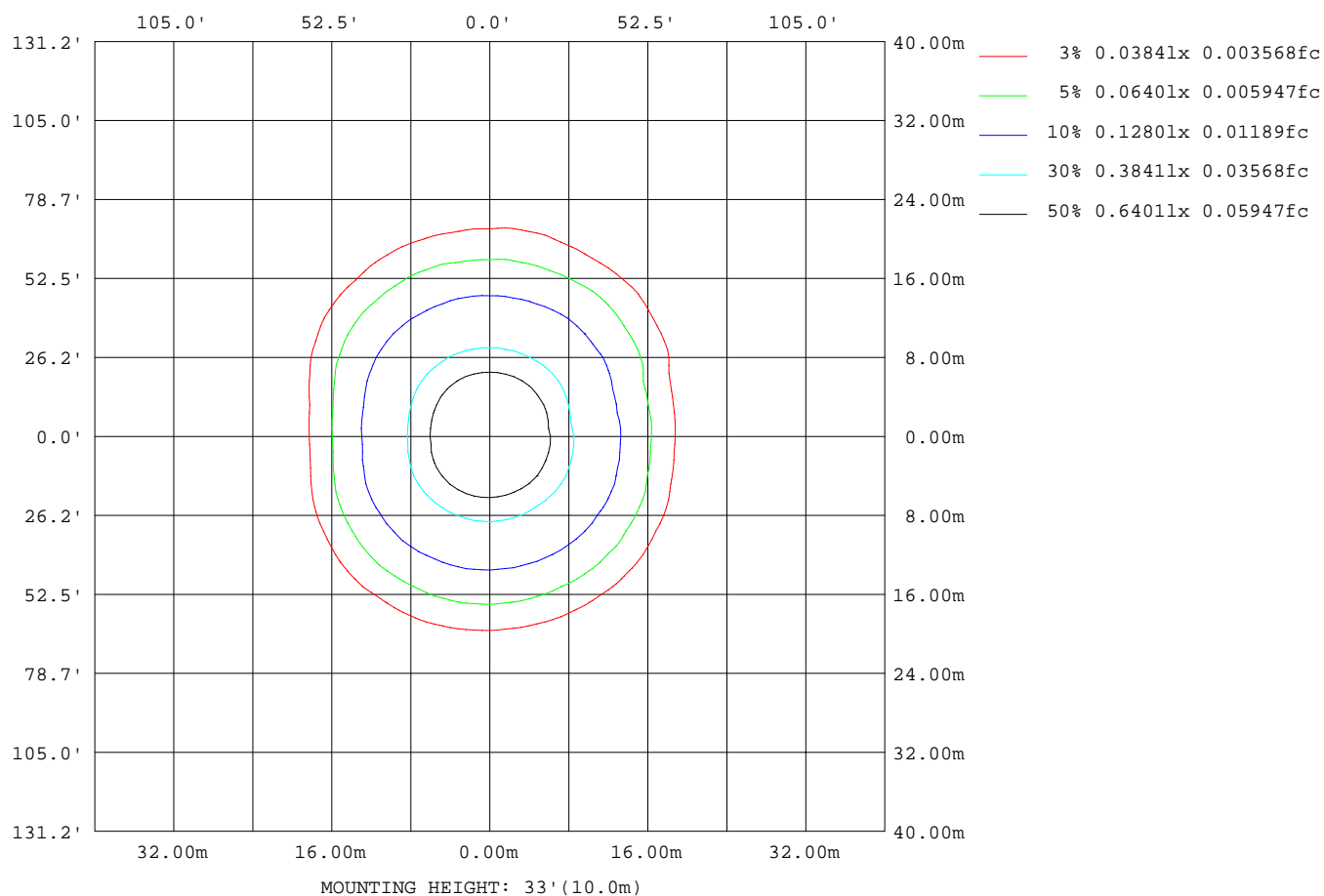
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:



### ISOLUX DIAGRAM

NAME: x-G1o-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

**Average Luminance Table (CIBSE)**

NAME: x-Glo-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	424.1	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.016	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	5805	5940	6250	6347	6395	6366	6346	6266	6243	6300	6369	6413	6496	6594	6497	6310	6116	5659	5394
60	5172	5282	5684	5778	6002	6000	5926	5926	5969	6005	6102	6122	6086	6227	6056	5767	5512	4884	4692
65	4446	4584	4981	5165	5435	5474	5391	5380	5347	5396	5498	5634	5656	5675	5598	5159	4784	4144	3941
70	3622	3940	4357	4623	4950	4965	4947	4976	4960	5000	5064	5175	5199	5098	5095	4568	4124	3437	3184
75	2862	3337	3748	4098	4458	4395	4344	4370	4383	4425	4557	4741	4849	4715	4648	3999	3515	2814	2514
80	2177	2757	3377	3734	3937	3800	3667	3611	3574	3635	3743	3899	4097	4122	4142	3687	3072	2204	1868
85	1536	2378	3348	4027	4251	4252	4183	4091	3983	3997	4106	4258	4451	4452	4380	3929	2863	1737	1192

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	6594	200	---	500
Category 2	65 to 90	5675	200	---	500
Category 3	75 to 90	4849	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-G10-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
5	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
10	125	125	125	126	125	126	126	126	126	125	125	125	125	125	125	125	125	125	125
15	122	122	123	123	123	123	123	122	122	122	123	122	122	122	122	122	122	122	123
20	118	118	119	119	119	118	119	119	118	118	118	118	118	118	118	118	118	118	118
25	112	113	114	114	113	114	113	113	113	113	113	114	114	114	114	114	114	114	114
30	105	106	107	106	107	106	106	107	107	108	108	107	107	106	106	106	106	106	107
35	97.1	98.0	98.4	98.4	98.7	99.0	100	101	101	100	99.3	98.8	98.2	98.4	97.9	96.9	97.3	97.1	98.0
40	87.5	87.3	88.8	88.7	89.5	90.4	91.7	90.8	91.1	89.1	89.6	88.0	88.3	87.6	89.3	88.9	90.3	89.4	90.6
45	76.8	76.6	78.3	78.6	80.2	80.5	81.3	80.3	79.9	78.4	79.3	79.6	80.4	78.6	78.7	77.4	78.2	77.5	78.7
50	65.3	65.0	66.7	66.8	69.3	69.1	69.9	68.6	68.8	69.2	70.4	68.5	68.9	68.1	68.5	67.7	68.4	67.7	68.9
55	53.3	52.9	54.5	54.4	57.4	57.4	58.3	57.0	58.7	58.4	58.4	58.0	58.2	57.1	57.5	56.5	57.3	56.7	57.8
60	41.4	41.0	42.3	42.7	45.5	45.8	46.2	46.4	48.0	47.0	48.0	47.2	47.4	46.7	47.4	47.1	47.7	47.2	48.0
65	30.1	29.9	31.0	32.0	33.7	34.9	34.9	36.5	36.8	37.1	37.0	36.5	36.5	36.5	36.4	36.2	36.2	36.2	36.5
70	19.8	20.3	21.6	22.5	23.8	24.8	25.3	26.6	27.1	27.5	27.2	27.0	27.1	27.2	27.2	27.1	27.1	27.2	27.4
75	11.9	12.7	13.8	14.6	15.5	16.2	17.0	17.9	18.5	18.7	18.2	18.1	18.0	18.0	18.1	18.2	18.2	18.1	18.3
80	6.05	6.86	7.66	8.48	9.38	10.1	10.4	10.8	10.9	10.9	10.6	10.4	10.2	10.1	10.0	9.99	9.93	10.0	10.1
85	2.14	2.70	3.32	4.00	4.67	5.34	5.62	5.83	5.93	6.00	5.93	5.91	5.83	5.76	5.71	5.64	5.55	5.54	5.57
90	0.48	1.01	1.66	2.31	2.92	3.50	4.01	4.41	4.68	4.86	4.96	5.06	5.11	5.13	5.11	5.07	5.03	5.02	5.02
95	0.59	0.98	1.56	2.18	2.77	3.31	3.84	4.37	4.76	5.00	5.16	5.26	5.25	5.29	5.27	5.23	5.20	5.16	5.12
100	0.73	1.11	1.70	2.38	3.06	3.66	4.20	4.63	4.99	5.34	5.59	5.75	5.74	5.75	5.73	5.73	5.71	5.72	5.68
105	0.93	1.17	1.83	2.54	3.19	3.74	4.16	4.52	4.81	5.10	5.35	5.57	5.69	5.78	5.82	5.87	5.87	5.86	5.86
110	1.18	1.29	1.91	2.68	3.32	3.90	4.40	4.85	5.23	5.57	5.86	6.15	6.35	6.52	6.63	6.69	6.72	6.71	6.71
115	1.41	1.38	1.98	2.73	3.44	4.13	4.76	5.35	5.93	6.47	6.90	7.33	7.70	8.06	8.34	8.49	8.54	8.52	8.45
120	1.63	1.57	2.08	2.81	3.69	4.57	5.44	6.30	7.23	8.06	8.76	9.48	10.1	10.6	11.0	11.4	11.6	11.7	11.7
125	1.87	1.77	2.23	3.07	4.00	5.25	6.37	7.50	8.60	9.66	10.7	11.7	12.6	13.3	13.9	14.4	14.8	15.0	14.9
130	2.13	2.03	2.42	3.23	4.17	5.37	6.57	7.90	9.21	10.6	11.8	13.0	14.0	14.7	15.3	15.8	16.3	16.6	16.7
135	2.44	2.35	2.66	3.28	4.22	5.35	6.43	7.65	9.04	10.2	11.3	12.4	13.3	14.1	14.8	15.4	15.9	16.1	16.2
140	2.86	2.78	3.08	3.70	4.63	5.79	6.82	7.86	9.04	9.89	10.9	11.6	12.5	13.0	13.6	14.0	14.3	14.4	14.5
145	3.36	3.28	3.60	4.21	5.30	6.50	7.69	8.74	9.92	10.9	11.7	12.5	13.4	13.9	14.3	14.7	15.0	15.1	15.2
150	3.97	3.77	3.95	4.43	5.40	6.67	8.01	9.45	10.7	12.2	13.2	14.4	15.3	15.8	16.3	16.6	17.2	17.3	17.1
155	4.36	4.07	4.18	4.49	5.09	6.00	7.17	8.46	9.88	11.1	12.5	13.6	14.5	15.2	16.3	16.7	17.0	17.2	17.2
160	4.60	4.23	4.27	4.41	4.66	5.16	5.83	6.62	7.60	8.55	9.49	10.6	11.4	12.1	12.7	13.2	13.9	14.2	12.4
165	4.73	4.44	4.33	4.32	4.39	4.54	4.74	5.09	5.55	6.04	6.55	7.05	7.64	8.19	8.72	9.08	9.22	8.89	6.26
170	4.87	4.66	4.50	4.43	4.41	4.39	4.41	4.46	4.55	4.65	4.78	4.89	5.04	5.21	5.34	5.44	5.41	4.89	4.50
175	5.01	4.88	4.78	4.68	4.59	4.53	4.48	4.45	4.42	4.39	4.38	4.35	4.33	4.31	4.29	4.22	4.08	3.85	3.86
180	5.19	5.19	5.19	5.17	5.12	5.10	5.05	5.03	4.98	4.91	4.88	4.81	4.76	4.69	4.61	4.43	4.06	4.02	4.02

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-G10-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
5	127	127	127	127	127	127	127	127	128	128	128	128	128	128	127	125	124	127	127
10	125	125	125	125	125	125	125	125	126	126	125	126	126	128	126	124	122	125	125
15	123	123	123	123	123	123	123	123	123	122	123	123	122	124	124	121	119	121	122
20	118	118	118	118	119	119	119	119	119	119	119	118	118	120	120	117	115	117	117
25	114	114	114	114	114	114	114	114	115	114	114	114	113	114	114	111	109	111	111
30	106	106	107	108	108	108	109	109	108	108	108	107	107	107	108	105	103	104	104
35	98.7	98.9	99.3	99.8	100.0	99.9	101	100	101	101	101	100	98.8	99.2	98.6	96.5	93.2	93.9	94.7
40	89.5	90.0	88.8	90.1	89.6	90.8	90.6	91.4	90.5	91.8	91.3	91.5	89.6	90.1	87.9	86.9	83.5	83.9	84.4
45	78.1	79.8	79.7	81.0	80.4	81.1	80.3	81.4	80.5	81.0	80.3	81.3	79.8	79.3	77.3	76.1	72.3	73.0	73.7
50	68.2	69.0	68.3	69.3	69.6	71.2	70.7	71.3	69.9	70.6	69.0	69.8	68.7	68.3	66.0	64.4	60.6	61.5	62.5
55	57.6	58.5	58.0	58.9	58.4	59.6	60.0	60.5	59.6	59.6	57.8	57.9	56.8	56.1	53.7	51.9	49.0	49.5	50.9
60	47.9	48.8	48.3	49.0	48.3	48.7	48.7	49.8	48.9	48.4	47.0	46.1	45.0	44.1	41.7	39.1	37.4	37.5	38.3
65	36.9	37.2	37.8	38.1	38.4	38.2	37.9	38.4	38.6	37.8	36.4	34.9	33.9	32.4	30.5	28.0	27.0	26.6	27.4
70	27.5	27.7	28.0	28.3	28.5	28.4	28.2	27.9	28.3	27.9	26.4	25.0	23.8	22.6	21.0	18.8	17.6	17.4	18.5
75	18.6	18.9	19.2	19.6	20.0	20.1	19.8	19.5	19.6	19.2	17.7	16.6	15.5	14.6	13.4	11.7	10.5	10.4	11.4
80	10.3	10.4	10.7	10.8	11.2	11.4	11.5	11.5	11.7	11.5	10.9	10.2	9.64	8.54	7.47	6.12	5.26	5.19	5.92
85	5.65	5.73	5.85	5.94	6.11	6.21	6.28	6.21	6.24	6.11	5.88	5.48	4.74	3.99	3.27	2.42	1.79	1.66	2.28
90	5.04	5.08	5.10	5.12	5.11	5.09	5.01	4.89	4.70	4.45	4.12	3.59	3.04	2.51	1.96	1.38	0.85	0.67	1.10
95	5.10	5.11	5.11	5.12	5.12	5.10	5.04	4.91	4.71	4.45	3.94	3.42	2.93	2.48	1.96	1.40	0.84	0.82	1.27
100	5.69	5.69	5.70	5.68	5.69	5.71	5.68	5.50	5.25	4.87	4.39	3.90	3.35	2.80	2.17	1.50	0.93	1.02	1.58
105	5.80	5.78	5.76	5.67	5.65	5.57	5.40	5.12	4.88	4.61	4.31	3.93	3.44	2.91	2.27	1.56	1.04	1.27	1.88
110	6.64	6.54	6.53	6.42	6.28	5.90	5.81	5.55	5.33	5.00	4.53	4.11	3.54	2.97	2.25	1.67	1.19	1.51	1.95
115	8.31	8.17	7.99	7.71	7.35	7.28	6.86	6.40	5.88	5.28	4.68	4.12	3.52	2.80	2.24	1.71	1.38	1.73	2.11
120	11.5	11.2	11.0	10.6	10.0	9.56	8.44	7.55	6.80	6.03	5.26	4.48	3.64	2.93	2.36	1.85	1.58	1.96	2.33
125	14.4	14.2	13.8	12.9	11.9	10.9	9.78	8.96	7.98	7.05	6.12	4.96	3.99	3.25	2.62	2.09	1.84	2.19	2.58
130	16.5	16.1	15.4	14.1	12.3	11.4	10.2	9.17	8.24	7.23	6.27	4.95	4.21	3.50	2.84	2.32	2.08	2.47	2.93
135	15.8	15.9	13.9	13.2	12.0	10.7	9.70	8.95	7.82	6.73	5.69	5.05	4.28	3.56	3.04	2.53	2.41	2.84	3.34
140	14.2	13.5	11.7	10.7	9.86	9.21	8.68	7.82	6.98	6.28	5.75	5.18	4.56	4.08	3.49	2.93	2.83	3.40	4.00
145	14.9	12.8	11.5	10.9	10.2	9.49	8.77	8.32	7.63	7.15	6.65	6.10	5.42	4.78	3.97	3.36	3.29	3.97	4.63
150	15.5	13.0	12.1	11.6	10.8	10.1	9.72	8.96	8.47	7.93	7.40	6.62	5.83	4.99	4.28	3.78	3.65	4.45	5.19
155	13.7	12.4	11.5	11.0	10.3	9.66	9.17	8.68	8.50	7.89	7.24	6.37	5.50	4.95	4.46	4.09	3.97	4.75	5.30
160	9.42	8.72	8.51	8.26	7.97	7.64	7.57	7.54	7.35	6.97	6.34	5.84	5.22	4.86	4.51	4.25	4.11	4.93	5.46
165	6.40	6.38	6.29	6.15	6.09	6.58	6.62	6.39	6.16	5.87	5.57	5.18	4.91	4.74	4.53	4.36	4.28	4.94	5.34
170	4.52	4.52	4.52	4.71	5.09	5.20	5.22	5.14	5.07	4.91	4.82	4.67	4.63	4.65	4.56	4.50	4.46	5.02	5.29
175	3.86	3.92	4.20	4.34	4.42	4.53	4.59	4.61	4.63	4.63	4.63	4.58	4.57	4.63	4.66	4.63	4.60	5.09	5.21
180	4.06	4.31	4.40	4.40	4.43	4.52	4.57	4.63	4.64	4.66	4.67	4.65	4.64	4.71	4.75	4.75	4.73	5.20	5.19

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-G10-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
5	127	127	127	127	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
10	125	126	126	126	126	126	126	127	127	127	127	127	127	127	127	127	127	127	127
15	122	123	123	123	124	124	124	124	125	125	125	125	125	125	125	125	125	125	125
20	118	118	118	119	120	120	120	121	121	121	122	122	122	122	122	122	122	122	122
25	111	112	113	114	115	115	116	116	117	117	118	118	118	118	119	118	119	118	118
30	104	105	106	107	108	109	110	111	112	112	113	113	113	113	113	113	113	113	113
35	94.4	96.4	98.7	99.5	101	103	104	105	106	106	106	106	106	105	105	105	106	105	105
40	85.0	87.4	87.7	90.9	92.2	94.8	95.1	96.7	96.8	97.0	96.6	97.7	98.6	98.3	98.0	97.6	97.1	97.1	96.6
45	74.3	76.9	77.9	81.5	82.5	85.3	85.3	87.0	86.5	88.8	87.6	88.4	87.6	88.8	87.9	88.7	87.7	88.3	87.1
50	63.0	64.9	67.1	70.5	72.2	74.7	75.0	77.6	77.7	78.7	78.4	78.6	77.8	78.2	77.1	77.7	76.9	77.6	76.9
55	51.2	53.1	55.8	59.7	61.7	64.5	65.8	67.7	67.8	68.5	67.4	67.9	67.2	68.4	67.8	68.1	67.2	67.5	66.7
60	39.1	42.3	45.2	49.8	51.7	54.8	56.1	57.8	57.2	58.0	57.7	59.1	58.2	58.6	57.1	56.9	56.9	57.6	56.5
65	29.0	32.4	35.2	38.5	41.2	44.4	45.5	46.4	46.3	48.2	48.1	48.7	48.0	48.0	47.4	48.1	47.6	48.9	48.4
70	20.4	23.3	25.8	28.7	31.6	33.9	35.0	35.9	37.6	38.4	38.0	38.7	38.2	38.3	38.5	38.4	38.9	38.8	38.8
75	13.4	15.8	17.9	20.3	22.7	24.3	25.4	26.7	28.1	27.2	27.4	28.3	28.6	28.0	28.0	27.9	28.2	27.9	27.8
80	7.35	9.02	10.8	12.5	14.2	15.3	16.4	17.6	18.3	17.9	18.2	18.6	19.1	19.2	18.7	18.5	18.8	18.5	18.3
85	3.30	4.48	5.74	7.10	8.35	9.23	10.2	10.9	11.1	11.3	11.4	11.4	11.3	11.7	11.6	11.4	11.6	11.7	11.7
90	1.75	2.42	3.00	3.67	4.39	4.97	5.44	5.69	5.94	5.91	5.87	5.71	5.83	5.76	5.79	5.90	5.86	5.94	5.99
95	1.82	2.37	2.87	3.37	3.85	4.37	4.66	4.88	5.04	4.99	4.98	4.86	4.79	4.75	4.72	4.69	4.62	4.70	4.82
100	2.08	2.59	3.03	3.42	3.70	4.23	4.55	4.77	4.89	5.01	5.06	5.11	5.13	5.07	5.05	5.00	5.02	4.96	4.99
105	2.57	3.20	3.75	4.22	4.53	4.77	4.89	4.74	5.19	5.26	5.26	5.25	5.26	5.34	5.36	5.35	5.35	5.33	5.34
110	2.77	3.41	4.00	4.53	4.97	5.35	5.69	5.97	5.92	5.47	6.04	6.18	6.16	6.07	6.21	6.23	6.23	6.19	6.25
115	2.81	3.50	4.07	4.67	5.19	5.72	6.10	6.52	6.98	7.18	7.21	7.11	7.67	7.86	7.87	7.88	7.87	7.88	7.87
120	2.84	3.64	4.28	4.84	5.34	5.96	6.35	6.78	7.29	7.94	8.55	8.97	9.07	9.52	9.89	9.96	9.96	9.79	9.70
125	3.06	3.76	4.49	5.14	5.72	6.33	6.76	7.30	7.81	8.05	8.70	9.38	9.32	9.82	10.3	10.9	10.7	10.6	10.5
130	3.43	4.14	5.12	5.90	6.59	7.59	7.96	8.51	8.75	9.34	9.78	10.0	11.2	10.5	11.4	12.5	12.7	12.6	12.3
135	3.94	4.64	5.45	6.55	7.53	8.34	9.41	10.0	10.7	11.5	11.9	13.0	13.1	14.6	14.0	15.8	16.0	16.1	16.2
140	4.55	5.18	5.94	6.80	7.81	8.68	9.29	9.96	11.0	12.1	12.9	13.6	15.4	17.0	19.0	17.2	20.0	20.1	19.9
145	5.39	6.16	6.54	7.08	7.72	8.56	9.64	10.6	11.4	11.9	12.7	13.1	13.9	15.6	17.2	17.8	18.6	20.0	19.4
150	6.02	6.74	7.47	8.10	8.55	8.71	8.91	9.31	10.4	11.1	11.6	12.3	13.0	14.0	16.3	19.2	18.6	19.3	19.6
155	6.05	6.85	7.64	8.53	9.08	9.38	9.72	9.79	9.70	9.73	10.2	10.5	11.2	11.8	12.7	15.9	17.0	17.2	17.2
160	6.11	6.76	7.49	8.18	8.81	9.23	9.50	9.77	9.45	9.23	9.41	9.61	9.82	10.1	10.3	11.2	14.9	15.3	15.7
165	5.85	6.37	6.94	7.50	8.07	8.39	8.81	8.95	8.87	9.04	8.56	8.41	8.58	8.68	8.72	8.73	9.64	12.7	13.0
170	5.60	5.88	6.22	6.54	6.88	7.22	7.43	7.60	7.68	7.64	7.33	6.89	6.30	6.40	6.45	6.43	6.45	8.49	9.04
175	5.33	5.48	5.61	5.71	5.82	5.93	6.00	6.10	6.13	6.11	6.04	5.83	5.38	4.85	4.84	4.81	4.82	5.32	5.81
180	5.18	5.16	5.12	5.11	5.06	5.03	4.99	4.93	4.89	4.81	4.76	4.70	4.62	4.43	4.06	4.02	4.03	4.06	4.32

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-36-220v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128				
5	127	127	127	127	127	127	127	128	127	127	127	129	130	129	128				
10	126	126	126	126	126	126	126	126	126	126	126	127	129	127	126				
15	124	124	124	124	124	124	124	124	123	123	123	124	125	124	123				
20	121	121	121	121	121	121	120	120	120	119	119	120	121	120	119				
25	118	117	117	117	117	116	116	116	115	115	114	115	115	114	112				
30	112	113	113	113	112	111	111	110	110	109	108	108	108	104	103				
35	105	106	106	105	105	106	104	103	102	101	100	101	97.4	94.1	94.3				
40	97.0	96.1	96.1	96.5	97.9	96.8	96.8	96.3	94.5	91.7	91.2	88.4	88.0	84.6	84.7				
45	87.6	86.3	87.3	86.8	86.5	85.8	87.5	85.9	85.6	82.3	79.5	78.0	77.9	74.3	74.6				
50	78.1	77.5	78.6	77.0	77.4	76.4	75.3	75.7	73.6	71.3	68.4	66.3	66.6	63.6	65.0				
55	67.1	66.7	67.8	67.9	68.4	66.5	65.5	62.8	63.8	61.0	58.2	54.4	54.7	53.0	54.1				
60	56.6	56.0	56.8	56.7	58.1	57.1	55.8	53.8	52.6	51.4	49.2	44.0	43.3	42.1	42.0				
65	48.5	46.9	46.4	45.4	45.8	45.6	46.2	44.2	42.1	40.7	38.9	35.2	33.3	31.6	29.8				
70	38.9	38.9	38.0	36.4	34.7	34.4	35.1	34.5	32.2	30.1	28.5	26.6	23.5	21.4	20.0				
75	27.8	27.8	28.0	27.3	25.3	24.4	24.4	24.4	22.8	21.0	19.9	18.5	15.4	13.8	12.3				
80	17.6	17.6	17.8	17.9	17.2	16.5	16.2	16.3	15.3	13.5	12.4	11.0	9.00	7.57	6.61				
85	11.4	11.3	11.4	11.5	11.2	10.8	10.2	9.82	8.99	8.00	6.73	5.65	4.26	3.26	2.32				
90	5.91	5.93	6.03	6.20	6.17	6.06	5.82	5.55	5.05	4.46	3.69	3.08	2.30	1.52	0.85				
95	4.86	4.97	5.02	5.06	5.04	4.94	4.78	4.54	4.19	3.70	3.22	2.77	2.28	1.66	1.11				
100	5.02	5.04	5.05	5.03	4.95	4.85	4.74	4.50	4.25	3.89	3.53	3.09	2.57	1.98	1.36				
105	5.37	5.38	5.41	5.41	5.47	5.46	5.36	5.18	4.96	4.62	4.20	3.68	3.05	2.34	1.51				
110	6.26	6.26	6.18	6.27	6.25	6.19	6.02	5.82	5.52	5.16	4.63	4.07	3.40	2.57	1.68				
115	7.92	7.78	7.66	7.43	7.38	7.14	6.81	6.52	6.04	5.56	4.95	4.36	3.66	2.65	1.89				
120	9.53	9.31	9.01	8.53	8.11	7.91	7.48	7.03	6.54	6.05	5.36	4.66	3.80	2.66	2.07				
125	10.4	10.1	9.90	9.58	9.20	8.73	8.23	7.77	7.11	6.55	5.73	4.90	3.85	2.85	2.27				
130	12.2	11.9	11.6	11.2	10.8	10.2	9.70	9.11	8.35	7.56	6.44	5.19	4.03	3.12	2.48				
135	15.9	15.7	15.3	15.0	14.2	13.4	12.4	11.0	9.64	8.54	7.05	5.71	4.43	3.41	2.71				
140	19.7	18.5	17.6	16.6	15.5	14.1	12.9	12.0	10.6	9.13	7.71	6.24	4.94	3.78	2.99				
145	19.2	18.5	17.9	17.1	16.2	15.2	14.1	12.6	10.8	9.49	7.99	6.73	5.60	4.28	3.38				
150	18.7	18.5	17.5	16.7	15.7	14.3	13.3	11.9	10.9	9.50	8.29	7.29	5.95	4.62	3.83				
155	17.1	16.6	15.9	15.0	14.4	13.6	12.7	11.9	10.8	9.43	8.28	7.17	5.93	4.83	4.20				
160	15.4	15.1	14.8	14.1	13.5	13.0	12.0	11.1	10.0	8.75	7.52	6.55	5.53	4.81	4.39				
165	12.9	12.9	12.4	12.2	11.2	10.6	9.83	8.99	8.06	7.33	6.35	5.62	5.07	4.69	4.45				
170	8.78	9.08	8.56	8.22	8.11	7.77	7.31	6.92	6.32	5.88	5.34	5.10	4.86	4.67	4.54				
175	5.86	5.83	5.72	5.57	5.56	5.47	5.33	5.23	5.08	4.88	4.80	4.78	4.75	4.66	4.61				
180	4.39	4.41	4.46	4.50	4.57	4.62	4.66	4.67	4.69	4.65	4.65	4.71	4.77	4.73	4.74				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:JIAO  
Test Date:2015-09-08

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V1.0.257  
Humidity:46%  
Test Distance:6.800m [K=1.0000]  
Remarks: