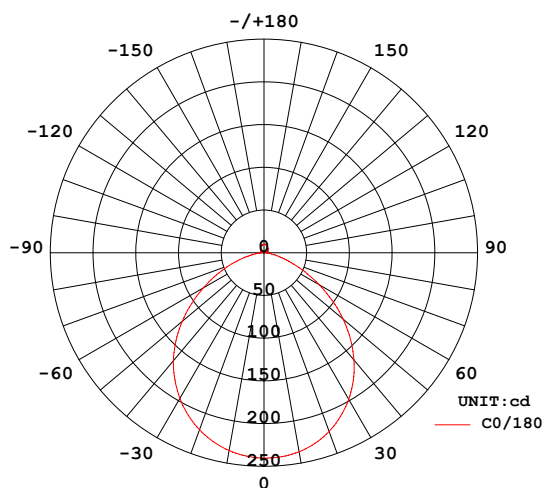


LUMINAIRE PHOTOMETRIC TEST REPORT

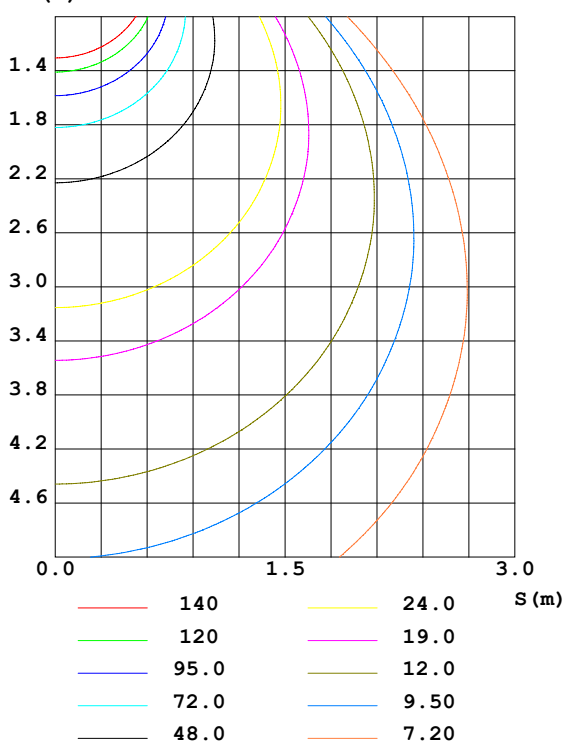
NAME: x-Glo-72-110v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.30 lm/W			
MODEL	2835	I _{max} (cd)	241.4	S/MH (C0/180)	1.22
NOMINAL POWER (W)	13	LOR (%)	96.6	S/MH (C90/270)	1.36
RATED VOLTAGE (V)	AC110	TOTAL FLUX (lm)	767.94	η UP, DN (C0-180)	4.6, 46.5
NOMINAL FLUX (lm)	795	CIE CLASS	SEMI-D.	η UP, DN (C180-360)	6.3, 39.2
LAMPS INSIDE	1	η up (%)	10.9	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	AC110	η down (%)	85.7	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	235.0	238.1	239.0	238.2	236.5	236.9	235.5	236.1	0- 10	22.81	22.81	2.97,2.87
20	220.6	229.8	233.5	228.6	222.6	224.0	218.1	221.2	10- 20	65.54	88.35	11.5,11.1
30	196.9	214.5	221.2	211.4	198.3	200.6	189.3	199.0	20- 30	99.45	187.8	24.5,23.6
40	164.9	191.3	198.9	187.1	163.8	166.2	155.2	168.7	30- 40	119.1	306.9	40,38.6
50	124.9	158.2	166.4	152.0	120.9	128.8	119.0	132.9	40- 50	121.3	428.3	55.8,53.9
60	81.76	119.9	128.5	112.2	74.21	90.07	81.48	96.58	50- 60	106.5	534.7	69.6,67.3
70	42.90	80.92	87.42	72.88	34.01	52.18	48.53	59.45	60- 70	78.17	612.9	79.8,77.1
80	14.49	46.15	51.83	40.36	10.13	23.32	21.57	30.53	70- 80	46.42	659.3	85.9,82.9
90	2.267	18.71	22.16	16.42	2.260	12.25	12.34	15.45	80- 90	21.87	681.2	88.7,85.7
100	2.425	10.18	11.14	10.11	3.368	12.34	13.73	12.54	90-100	11.33	692.5	90.2,87.1
110	3.511	10.32	11.48	9.910	4.181	14.51	18.23	13.94	100-110	10.77	703.3	91.6,88.5
120	4.662	11.37	14.47	10.70	5.201	16.32	24.41	16.21	110-120	11.67	714.9	93.1,89.9
130	5.613	17.15	23.64	13.89	6.213	19.60	32.07	21.24	120-130	13.74	728.7	94.9,91.7
140	6.473	19.24	29.18	13.20	7.129	19.31	37.36	24.85	130-140	14.71	743.4	96.8,93.5
150	7.799	17.41	24.80	13.10	8.570	17.56	35.92	25.46	140-150	11.88	755.3	98.4,95
160	9.010	13.97	18.97	10.80	9.489	16.81	27.28	22.16	150-160	7.930	763.2	99.4,96
170	9.668	8.976	8.527	8.860	9.896	12.61	11.76	15.97	160-170	3.725	766.9	99.9,96.5
180	10.09	9.836	8.577	11.42	10.08	9.841	8.576	11.69	170-180	1.003	767.9	100,96.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

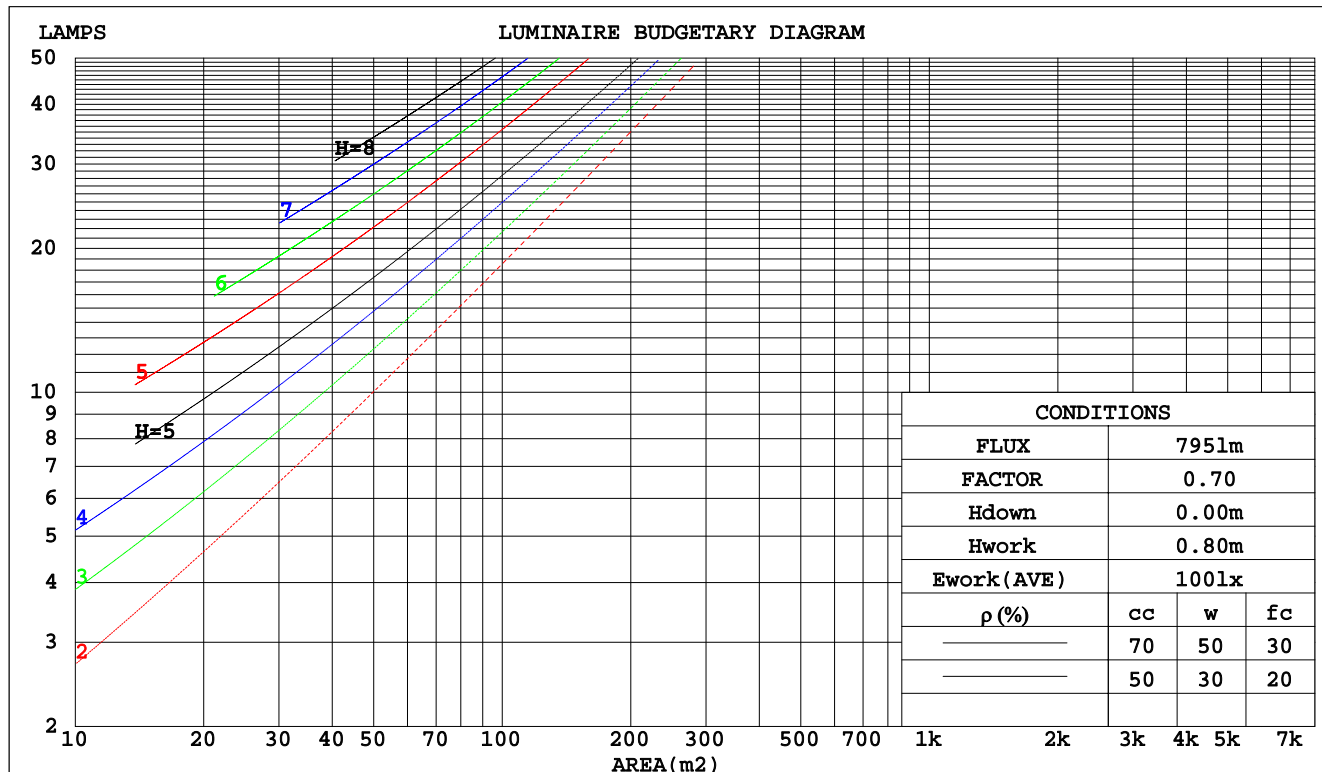
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:JIAO
Test Date:2015-09-08

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-Glo-72-110v		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	1.12	1.12	1.12	1.09	1.09	1.09	1.01	1.01	1.01	.95	.95	.95	.89	.89	.89	.86
1.0	.98	.93	.90	.94	.91	.87	.88	.85	.82	.83	.80	.78	.77	.76	.74	.71
2.0	.85	.78	.73	.82	.76	.71	.77	.72	.68	.72	.68	.65	.68	.65	.62	.59
3.0	.75	.67	.61	.72	.65	.59	.68	.62	.57	.64	.59	.55	.60	.56	.52	.50
4.0	.66	.58	.51	.64	.56	.50	.60	.54	.49	.57	.51	.47	.54	.49	.45	.43
5.0	.59	.51	.44	.57	.49	.44	.54	.47	.42	.51	.45	.41	.48	.43	.39	.37
6.0	.53	.45	.39	.52	.44	.38	.49	.42	.37	.46	.40	.36	.44	.39	.35	.32
7.0	.48	.40	.34	.47	.39	.34	.44	.38	.33	.42	.36	.32	.40	.35	.31	.29
8.0	.44	.36	.30	.43	.35	.30	.41	.34	.29	.39	.33	.28	.37	.31	.27	.26
9.0	.40	.32	.27	.39	.32	.27	.37	.31	.26	.36	.30	.25	.34	.29	.25	.23
10.0	.37	.30	.25	.36	.29	.24	.35	.28	.24	.33	.27	.23	.31	.26	.23	.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-72-110v		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	.302	.172	.054	.292	.167	.053	.273	.157	.050	.256	.147	.047	.239	.139	.045		
2.0	.279	.153	.047	.270	.149	.046	.253	.141	.044	.237	.133	.042	.222	.126	.040		
3.0	.256	.136	.041	.248	.133	.040	.233	.126	.038	.219	.120	.037	.206	.114	.035		
4.0	.236	.123	.036	.229	.120	.035	.215	.114	.034	.202	.108	.033	.190	.103	.031		
5.0	.218	.111	.032	.211	.108	.032	.199	.104	.030	.187	.099	.029	.176	.094	.028		
6.0	.202	.101	.029	.196	.099	.029	.185	.095	.028	.174	.091	.027	.164	.086	.026		
7.0	.188	.093	.026	.183	.091	.026	.172	.087	.025	.163	.083	.024	.154	.080	.023		
8.0	.176	.086	.024	.171	.084	.024	.161	.081	.023	.152	.077	.022	.144	.074	.022		
9.0	.165	.080	.022	.160	.078	.022	.151	.075	.021	.143	.072	.021	.136	.069	.020		
10.0	.155	.074	.021	.151	.073	.020	.143	.070	.020	.135	.067	.019	.128	.064	.019		

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	.267	.267	.267	.228	.228	.228	.156	.156	.156	.090	.090	.090	.029	.029	.029	
1.0	.258	.235	.213	.221	.201	.184	.151	.139	.127	.087	.080	.074	.028	.026	.024	
2.0	.250	.212	.179	.214	.182	.155	.147	.126	.108	.085	.073	.063	.027	.024	.021	
3.0	.243	.195	.157	.208	.168	.136	.143	.117	.096	.083	.068	.056	.027	.022	.018	
4.0	.236	.183	.142	.202	.158	.124	.139	.110	.087	.080	.064	.051	.026	.021	.017	
5.0	.228	.173	.132	.196	.150	.115	.135	.104	.081	.078	.061	.048	.025	.020	.016	
6.0	.222	.165	.124	.191	.143	.108	.131	.100	.077	.076	.059	.045	.025	.019	.015	
7.0	.215	.158	.119	.185	.137	.103	.128	.096	.073	.074	.057	.044	.024	.019	.014	
8.0	.209	.153	.114	.180	.133	.100	.125	.093	.071	.072	.055	.042	.023	.018	.014	
9.0	.203	.148	.111	.175	.129	.097	.121	.090	.069	.071	.053	.041	.023	.018	.014	
10.0	.198	.144	.108	.171	.125	.095	.118	.088	.067	.069	.052	.040	.022	.017	.013	

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-Glo-72-110v						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				
x = 2H y = 2H						Viewed endwise				
3H						22.5	23.9	22.9	24.3	24.7
4H						24.3	25.5	24.7	25.9	26.4
6H						25.1	26.3	25.6	26.7	27.2
8H						25.9	27.0	26.4	27.5	28.0
12H						26.3	27.4	26.8	27.8	28.4
2H						26.7	27.7	27.2	28.2	28.7
4H						26.7	27.7	27.2	28.2	28.7
2H						21.9	23.1	22.4	23.5	24.0
3H						23.2	24.2	23.7	24.7	25.3
4H						23.7	24.7	24.3	25.2	25.7
6H						24.0	24.9	24.6	25.4	26.0
8H						24.1	24.9	24.7	25.5	26.1
12H						24.2	24.9	24.8	25.4	26.1
4H						24.4	25.1	24.9	25.7	26.3
6H						25.0	25.6	25.6	26.2	26.9
8H						25.2	25.8	25.8	26.4	27.0
12H						25.3	25.8	26.0	26.5	27.2
4H						24.5	25.2	25.1	25.8	26.4
6H						25.2	25.8	25.8	26.4	27.1
8H						25.6	26.0	26.2	26.7	27.4
Variations with the observer position at spacings:										
S = 1.0H		+ 0.2 / - 0.2				+ 0.1 / - 0.2				
1.5H		+ 0.3 / - 0.4				+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.5				+ 0.2 / - 0.3				

CIE Pub.117 Corrected 795.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -0.8)

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-72-110v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

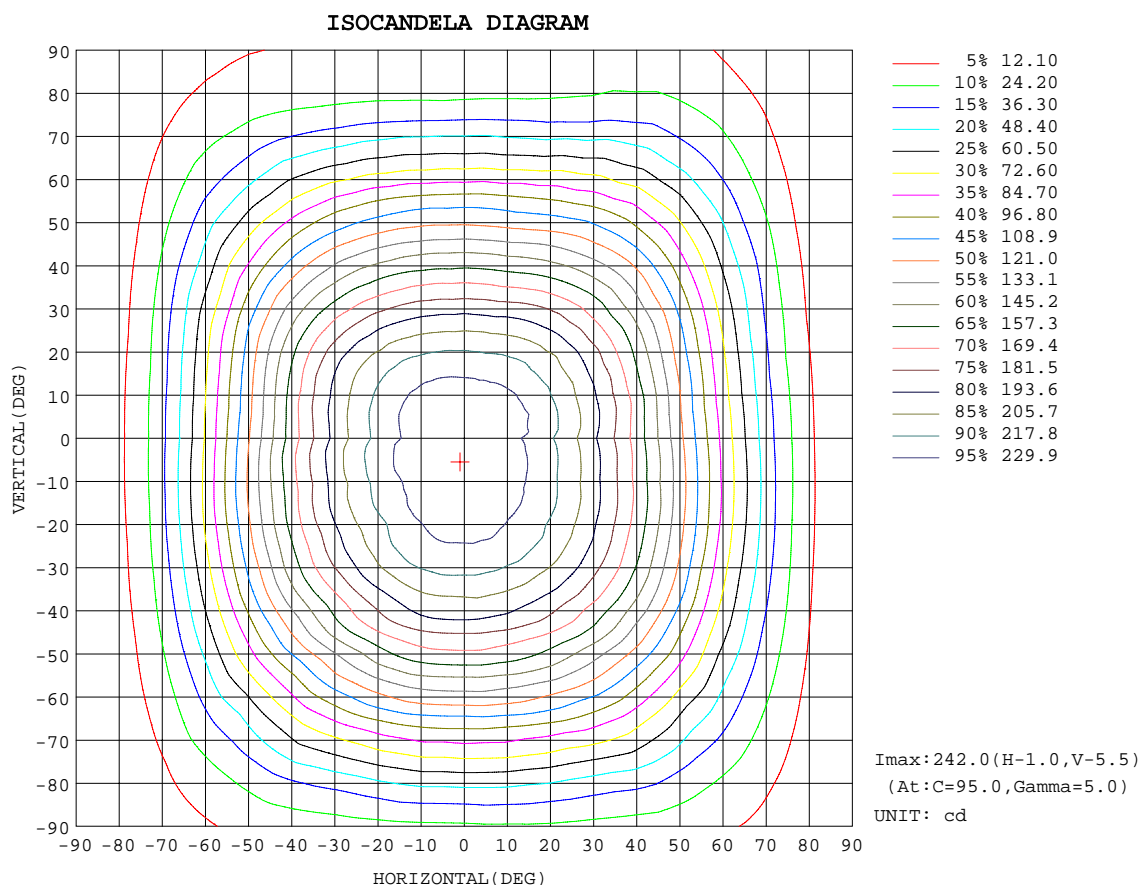
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	53	42	35	52	41	35	50	40	34	28
0.80	62	51	44	61	50	43	58	49	43	35
1.00	70	59	52	68	58	51	65	59	50	43
1.25	77	66	59	75	65	59	71	63	57	49
1.50	82	72	65	79	70	64	75	68	62	53
2.00	88	80	73	86	78	72	81	74	69	60
2.50	92	84	78	89	82	76	84	78	73	63
3.00	95	88	83	92	86	81	87	82	77	66
4.00	99	93	88	96	91	86	90	86	82	70
5.00	102	96	92	98	94	90	92	88	85	73
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

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:

ISOCANDELA DIAGRAM

NAME: x-G1o-72-110v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/



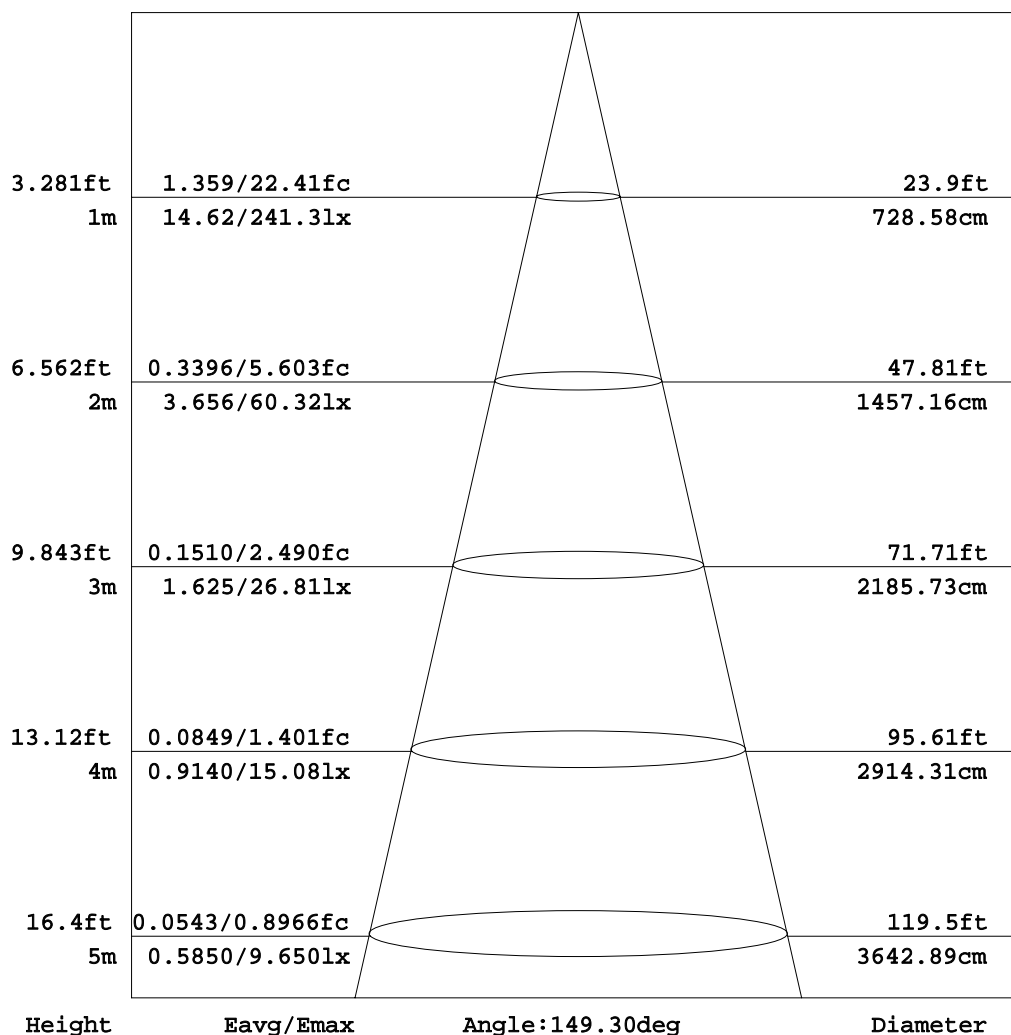
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:JIAO
Test Date:2015-09-08

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:

AAI Figure

NAME: x-Glo-72-110v		WEIGHT:0.131kg/m
DIM.: 6*15.5mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:15.5*1000mm	PROTECTION ANGLE:/

Flux out:639.9 lm



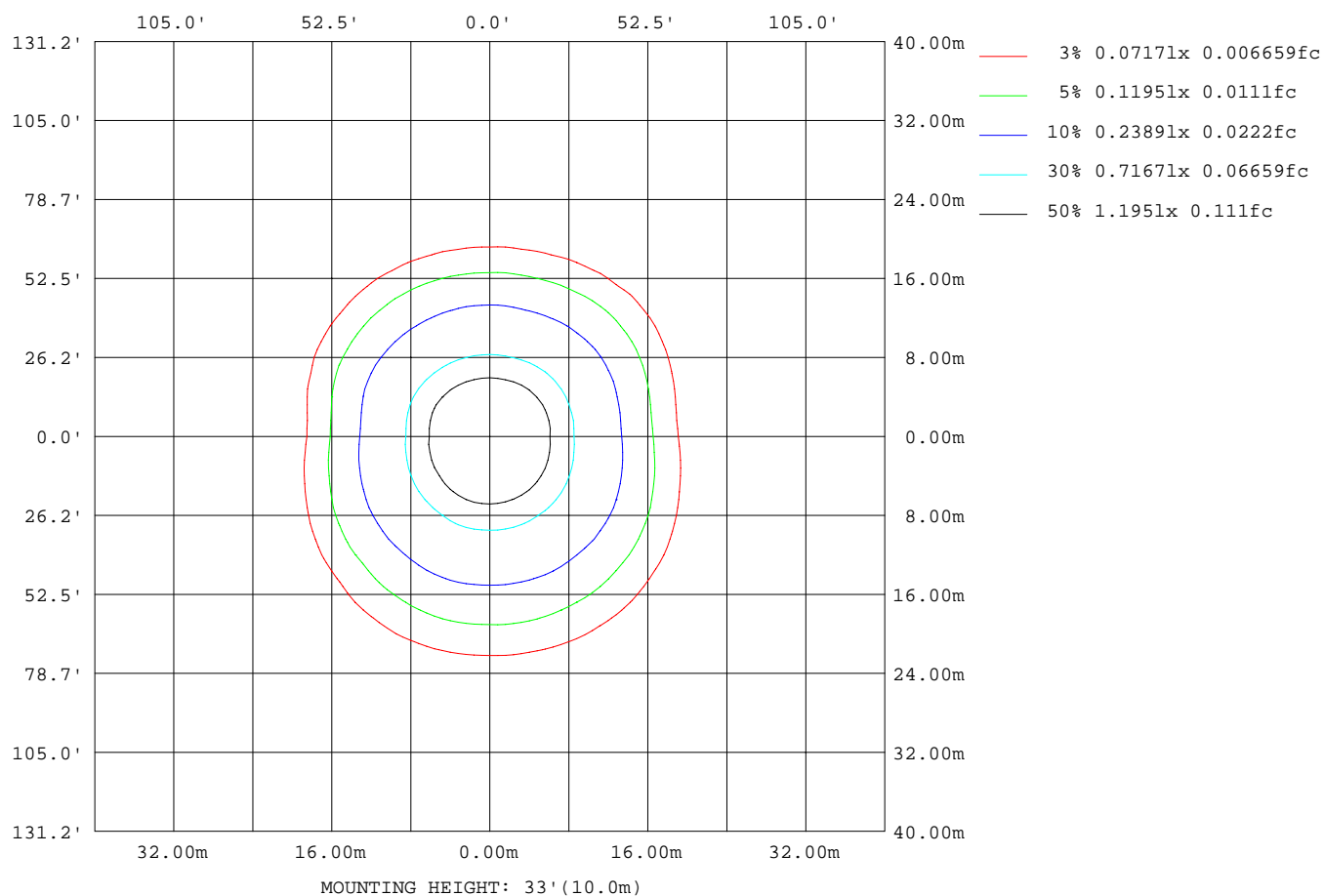
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-72-110v		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

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:

Average Luminance Table (CIBSE)

NAME: x-Glo-72-110v		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	795	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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	11257	12097	13166	14284	14928	15473	15786	16043	16025	15974	16079	15875	15289	14860	14118	13469	12369	11386	10631
60	10220	11198	12368	13712	14761	15252	15802	15842	16041	16064	16029	15733	15210	14403	13790	12696	11413	10203	9276
65	9090	10184	11544	13118	14313	15330	15699	15984	15843	15685	15765	15640	15063	14360	13038	11898	10303	8801	7797
70	7840	9166	10869	12810	14106	15356	15805	15711	15950	15975	15908	15429	14873	14136	12502	11360	9238	7293	6215
75	6526	8097	10296	12483	14428	16154	16292	16679	16988	16930	16795	16116	15221	14675	12460	10791	8127	5744	4754
80	5217	7265	10042	12764	15485	17253	17308	18109	18653	18656	18493	17464	16085	15480	13018	10683	7565	4658	3646
85	4415	7361	11992	16263	20163	22699	23652	25171	26029	25579	25330	23959	21729	20327	17198	13392	8357	4492	3212

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	26029	200	---	500
Category 2	65 to 90	26029	200	---	500
Category 3	75 to 90	26029	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-Glo-72-110v		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	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
5	239	239	239	239	240	240	240	240	240	240	240	240	241	241	241	241	241	241	241
10	235	235	236	236	236	237	237	238	238	238	238	238	239	239	239	239	239	239	239
15	229	230	231	231	232	232	233	233	234	234	234	236	236	237	237	238	238	238	238
20	221	222	223	224	224	225	226	227	229	230	230	231	232	232	233	233	233	234	234
25	210	211	213	214	215	216	218	220	221	223	223	224	226	227	228	228	229	229	229
30	197	199	201	202	204	207	209	211	212	215	216	217	218	220	220	221	221	221	221
35	182	185	186	188	192	194	196	199	202	204	206	207	208	208	209	210	210	211	211
40	165	167	169	173	177	180	183	186	189	191	192	194	195	195	196	198	198	199	199
45	146	149	151	156	160	163	167	172	174	176	177	178	181	182	182	183	182	183	182
50	125	128	132	136	141	145	151	154	157	158	161	163	163	163	164	165	166	167	166
55	103	107	111	116	121	126	131	135	137	141	142	143	145	147	147	148	147	147	147
60	81.8	84.8	89.6	94.1	98.9	106	110	114	118	120	122	125	126	127	127	128	128	129	129
65	61.5	65.3	68.9	73.1	78.1	83.4	88.7	94.1	96.8	101	104	106	106	108	108	108	107	107	106
70	42.9	46.2	50.2	53.8	59.5	63.5	70.1	72.8	77.2	80.9	84.0	84.9	86.5	85.3	86.0	85.7	87.3	86.8	87.4
75	27.0	29.6	33.5	37.3	42.6	46.0	51.7	54.1	59.7	63.2	66.9	67.2	67.5	67.2	69.1	69.2	70.3	70.1	70.1
80	14.5	16.6	20.2	23.9	27.9	32.1	35.5	38.5	43.0	46.2	47.9	47.3	48.1	48.8	50.3	50.7	51.8	52.0	51.8
85	6.16	7.69	10.3	13.5	16.7	20.4	22.7	25.1	28.1	31.1	31.7	32.2	33.0	34.3	35.1	36.1	36.3	36.6	35.7
90	2.27	3.57	5.23	7.22	9.37	11.7	13.6	15.3	17.1	18.7	19.4	20.0	20.9	21.8	22.5	22.9	22.8	22.8	22.2
95	2.06	2.78	3.86	5.03	6.23	7.59	8.97	10.2	11.3	12.2	12.7	13.1	13.4	13.8	14.0	14.1	14.0	14.0	13.8
100	2.43	2.95	3.87	4.86	5.91	6.94	7.99	8.90	9.61	10.2	10.6	10.9	11.0	11.1	11.1	11.2	11.2	11.1	11.1
105	2.93	3.12	4.13	5.15	6.16	7.10	8.04	8.87	9.42	9.87	10.1	10.4	10.6	10.7	10.8	10.9	10.9	10.8	10.9
110	3.51	3.33	4.27	5.36	6.36	7.26	8.08	8.85	9.61	10.3	10.7	10.9	11.1	11.3	11.4	11.5	11.6	11.6	11.5
115	4.10	3.65	4.46	5.47	6.51	7.45	8.31	9.08	9.60	10.1	10.5	10.9	11.3	11.7	11.9	12.1	12.3	12.4	12.4
120	4.66	4.00	4.76	5.76	6.94	7.98	8.98	9.91	10.7	11.4	11.9	12.5	13.0	13.4	13.7	13.9	14.2	14.3	14.5
125	5.18	4.79	5.22	6.43	7.71	9.19	10.6	12.0	13.1	14.0	15.0	15.8	16.6	17.1	17.5	17.7	18.1	18.2	18.5
130	5.61	5.44	5.60	7.13	8.77	10.4	12.4	14.1	15.7	17.2	18.6	19.6	20.6	21.4	22.0	22.5	23.0	23.1	23.6
135	6.01	5.78	5.88	7.25	9.09	11.0	13.1	15.3	17.5	19.4	20.9	22.5	23.9	24.9	26.0	26.8	27.2	27.5	27.8
140	6.47	6.18	6.23	7.44	9.10	11.0	13.0	15.0	16.8	19.2	21.1	23.0	24.6	26.0	27.0	27.8	28.6	28.7	29.2
145	7.04	6.71	6.85	7.61	9.35	11.1	12.7	14.5	16.1	17.9	20.0	21.7	22.9	23.8	24.9	25.8	26.5	26.6	27.1
150	7.80	7.34	7.26	7.66	9.18	11.1	12.8	14.5	16.0	17.4	18.6	20.0	21.2	22.1	23.1	23.6	23.9	24.2	24.8
155	8.52	7.98	7.77	7.92	8.43	9.94	11.8	13.8	15.4	16.7	18.0	19.1	20.1	20.8	21.4	21.9	22.2	22.5	23.4
160	9.01	8.54	8.25	8.15	8.41	8.72	9.72	11.1	12.4	14.0	15.2	16.3	17.3	18.1	18.7	19.2	19.5	19.7	19.0
165	9.38	9.01	8.70	8.58	8.49	8.61	8.82	9.03	9.57	10.3	11.1	12.0	12.7	13.3	13.9	14.3	14.5	14.5	10.6
170	9.67	9.40	9.18	9.00	8.91	8.83	8.77	8.78	8.86	8.98	9.00	9.03	9.09	9.27	9.39	9.53	9.58	8.56	8.53
175	9.90	9.76	9.64	9.50	9.40	9.30	9.24	9.16	9.11	9.06	8.99	8.93	8.88	8.79	8.71	8.59	8.37	8.13	8.14
180	10.1	10.1	10.1	10.0	10.0	9.97	9.95	9.91	9.87	9.84	9.77	9.71	9.64	9.53	9.37	9.13	8.65	8.59	8.58

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-72-110v		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	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
5	241	241	241	241	241	241	241	241	240	240	240	240	240	240	239	239	239	240	240
10	239	239	239	239	239	239	239	239	238	238	238	238	237	237	237	236	236	236	237
15	239	239	238	237	237	236	235	234	233	233	233	233	233	232	232	231	231	231	231
20	234	233	233	233	232	232	231	230	229	227	227	225	225	225	225	224	223	223	223
25	229	228	229	228	227	225	223	221	220	220	219	218	216	215	215	214	213	212	212
30	221	222	222	221	220	218	216	214	211	209	208	207	206	202	202	201	200	198	199
35	211	211	211	209	208	206	205	203	201	198	195	194	192	190	186	185	184	182	183
40	199	198	198	196	194	192	191	189	187	185	182	178	177	174	170	168	166	164	165
45	182	183	183	182	181	178	175	172	170	169	167	162	158	155	151	148	146	143	143
50	166	167	166	164	162	160	159	157	152	150	148	144	139	135	130	127	123	121	120
55	147	148	148	146	144	140	138	136	134	130	127	124	118	114	109	104	100	97.6	96.9
60	129	128	128	126	125	122	120	115	112	110	105	102	97.4	91.3	85.6	81.6	77.0	74.2	74.6
65	107	107	107	106	105	102	100.0	97.1	91.3	88.2	85.3	80.5	75.4	69.7	64.5	59.5	55.8	52.7	53.4
70	86.4	87.1	85.5	84.4	82.2	81.4	79.4	77.4	72.9	68.4	64.5	62.2	55.8	50.6	44.9	39.9	35.9	34.0	34.6
75	69.2	69.5	68.3	66.7	64.6	63.0	61.7	60.8	55.9	51.6	46.3	44.7	39.3	33.7	28.6	23.8	20.6	19.7	20.3
80	51.2	51.4	50.1	48.5	46.3	44.7	43.7	43.0	40.4	36.2	32.5	29.7	26.4	21.0	16.7	12.9	10.8	10.1	10.5
85	35.5	35.3	35.0	33.4	32.0	30.3	29.6	28.3	26.8	24.0	21.3	18.7	15.8	11.7	8.68	6.26	4.77	4.48	5.17
90	22.0	21.8	21.5	20.5	19.8	18.7	18.1	17.4	16.4	14.9	13.0	10.9	8.76	6.63	4.98	3.61	2.37	2.26	3.20
95	13.8	13.6	13.5	13.3	13.1	12.9	12.6	12.1	11.5	10.4	9.03	7.59	6.28	5.30	4.35	3.33	2.69	2.83	3.70
100	11.1	11.0	11.0	11.1	11.0	11.0	10.8	10.5	10.1	9.40	8.54	7.45	6.39	4.96	4.37	3.57	2.89	3.37	4.32
105	10.9	10.8	10.8	10.7	10.7	10.6	10.3	10.1	9.70	9.18	8.51	7.49	6.11	5.55	4.72	3.67	3.04	3.71	4.68
110	11.4	11.4	11.3	11.2	11.1	11.0	10.9	10.5	9.91	9.12	8.17	7.00	6.48	5.87	4.87	3.90	3.35	4.18	4.93
115	12.4	12.3	12.2	12.1	11.7	11.6	11.4	11.0	10.1	8.92	7.83	7.36	6.74	5.90	4.87	4.10	3.88	4.70	5.30
120	14.5	14.3	14.2	14.2	14.2	14.1	12.8	11.7	10.7	9.42	8.91	8.16	7.28	6.17	5.23	4.48	4.53	5.20	5.73
125	18.6	18.4	18.0	18.0	17.3	15.7	14.5	13.3	11.8	11.3	10.5	9.51	8.18	6.95	5.82	4.94	5.07	5.71	6.20
130	23.6	23.1	22.7	20.8	18.9	17.9	16.2	14.4	13.9	12.9	11.6	10.3	8.74	7.35	6.17	5.26	5.50	6.21	6.58
135	27.7	26.7	24.9	22.1	20.4	18.3	16.4	16.0	14.7	13.1	11.5	10.0	8.43	7.30	6.30	5.57	5.88	6.68	7.02
140	28.8	27.5	23.7	21.0	18.8	16.4	16.2	14.7	13.2	12.1	10.9	9.69	8.59	7.58	6.71	6.20	6.27	7.13	7.63
145	26.7	23.2	20.5	18.1	16.5	16.0	15.3	14.1	13.1	11.9	10.9	10.0	8.96	8.06	7.09	6.75	6.79	7.71	8.47
150	22.8	19.2	17.7	15.8	15.5	15.2	14.4	13.8	13.1	12.3	11.3	10.2	9.18	8.18	7.37	7.68	7.86	8.57	9.48
155	17.9	16.3	16.0	15.4	15.1	14.6	14.1	13.4	12.5	11.6	10.7	9.70	8.82	8.03	8.37	8.59	8.93	9.07	9.83
160	13.9	13.6	13.4	13.1	12.8	12.4	11.8	11.3	10.8	10.2	9.66	8.94	8.28	8.59	8.99	9.28	9.68	9.49	10.1
165	10.6	10.5	10.4	10.3	10.1	10.1	10.1	9.80	9.41	8.92	8.49	8.51	9.04	9.27	9.54	9.97	10.3	9.79	10.3
170	8.56	8.51	8.48	8.48	9.02	9.00	8.36	8.53	8.86	9.24	9.47	9.56	9.75	10.1	10.4	10.6	10.8	9.90	10.2
175	8.15	8.14	8.26	8.65	8.65	8.76	8.69	9.67	10.1	10.4	10.5	10.7	10.8	10.9	11.0	11.1	11.2	9.98	10.1
180	8.56	8.93	9.13	9.29	9.40	9.85	10.3	11.2	11.4	11.7	11.7	11.7	11.7	11.6	11.6	11.6	11.6	10.1	10.1

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-72-110v		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	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240
5	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	239
10	237	237	238	237	238	237	237	237	237	237	237	236	236	236	236	236	236	235	235
15	232	232	232	232	232	232	232	232	231	231	231	230	230	229	229	229	228	228	228
20	224	225	225	225	225	224	225	224	224	223	222	222	220	219	219	218	218	218	218
25	213	214	215	215	215	215	215	214	212	212	211	209	208	206	206	205	205	205	205
30	201	201	202	204	204	203	202	201	199	197	196	194	193	191	191	189	189	189	190
35	186	187	189	189	189	188	186	184	183	180	179	177	176	174	174	173	173	172	172
40	167	168	170	171	171	170	169	166	165	163	161	160	159	157	156	155	155	155	155
45	145	148	150	152	151	151	149	148	146	145	143	142	141	140	139	137	137	137	137
50	122	126	129	130	132	131	130	129	128	126	125	123	122	121	120	119	119	119	119
55	99.9	103	108	109	110	110	110	109	108	107	107	106	106	105	105	103	103	104	104
60	77.3	81.9	83.9	87.7	87.9	89.0	89.4	90.1	88.7	88.4	86.9	86.5	84.5	84.2	82.3	82.2	81.5	82.8	82.4
65	56.8	61.6	63.4	67.6	67.9	68.8	68.4	69.7	68.9	68.8	67.1	66.8	65.5	65.6	64.5	64.6	64.0	64.7	64.1
70	38.6	42.8	44.9	48.7	48.8	49.9	50.7	52.2	51.2	50.7	50.0	50.2	49.6	49.7	48.8	48.9	48.5	49.2	48.4
75	23.4	26.8	29.5	32.2	33.2	34.0	35.7	36.2	35.5	34.8	34.2	34.1	33.9	33.3	32.9	32.3	32.8	33.2	33.4
80	12.5	15.2	17.9	20.5	21.7	22.2	23.3	23.3	23.0	22.5	22.5	22.4	22.3	21.9	21.6	21.2	21.6	22.1	22.3
85	6.70	8.65	10.5	12.2	13.6	14.6	15.5	15.9	16.2	16.2	16.2	16.1	15.9	15.6	15.4	15.1	15.1	15.1	15.2
90	4.54	5.95	7.29	8.56	9.87	11.0	11.8	12.2	12.4	12.5	12.6	12.6	12.7	12.5	12.5	12.4	12.3	12.3	12.3
95	4.79	5.95	7.08	8.21	9.32	10.4	11.0	11.3	11.8	12.1	12.4	12.6	12.7	12.8	12.8	12.8	12.7	12.7	12.6
100	5.30	6.55	7.76	8.76	9.77	10.7	11.9	12.3	12.6	12.8	12.8	13.2	13.4	13.2	13.5	13.7	13.7	13.9	13.6
105	5.89	7.19	8.51	9.72	10.9	12.0	13.0	12.7	13.7	14.8	15.4	15.8	16.1	15.6	15.8	16.1	15.9	15.7	15.6
110	6.37	7.67	9.07	10.4	11.5	12.7	13.7	14.5	15.1	14.9	16.1	17.7	18.4	19.0	19.3	19.2	18.2	17.8	17.7
115	6.43	7.86	9.18	10.5	11.8	13.0	14.1	15.6	16.5	17.2	18.0	18.0	19.6	20.7	21.3	21.4	21.1	20.5	20.5
120	6.50	7.98	9.38	10.8	12.2	13.6	15.1	16.3	17.8	19.2	20.8	21.3	20.4	22.2	24.0	24.6	24.4	24.1	23.6
125	6.91	8.15	9.70	11.4	13.0	14.7	16.4	18.2	19.9	21.7	23.9	26.0	27.6	25.3	26.9	29.7	30.1	29.6	29.1
130	7.30	8.39	9.89	11.7	13.5	15.5	17.4	19.6	21.6	23.7	26.1	28.3	31.4	33.1	30.5	31.8	32.1	34.9	34.3
135	7.73	8.84	10.1	11.9	13.6	15.6	17.6	19.7	21.8	24.0	26.8	29.5	31.8	36.3	37.3	36.7	37.3	35.8	38.3
140	8.41	9.37	10.5	12.0	13.6	15.5	17.4	19.3	21.1	23.2	25.2	27.2	30.0	33.4	37.1	38.1	37.4	35.9	38.0
145	9.18	10.2	11.3	12.5	13.7	15.1	17.0	18.7	20.2	21.8	23.3	25.1	27.2	30.3	34.6	36.7	34.7	36.5	36.8
150	10.3	11.6	12.5	13.5	14.3	15.2	16.3	17.6	19.2	20.7	22.1	23.3	24.3	26.4	29.9	34.9	35.9	34.9	35.2
155	10.7	11.7	13.0	14.2	15.3	16.2	16.5	16.7	17.4	18.4	19.2	20.2	21.0	21.9	23.7	30.2	32.8	31.7	31.0
160	10.8	11.6	12.4	13.4	14.4	15.3	16.2	16.8	16.7	16.4	17.0	17.5	17.9	18.2	18.3	18.9	27.3	24.8	26.3
165	10.9	11.5	12.0	12.7	13.2	13.7	14.1	14.5	14.9	15.1	14.3	14.4	14.7	14.9	15.1	15.0	16.7	20.8	19.9
170	10.5	10.9	11.3	11.6	11.9	12.2	12.6	12.6	12.6	12.5	12.5	12.3	11.7	11.8	11.8	11.8	11.8	14.3	14.0
175	10.3	10.4	10.5	10.6	10.7	10.8	10.9	10.9	10.9	10.9	10.8	10.5	10.3	9.78	9.77	9.72	9.70	10.2	10.7
180	10.1	10.0	10.0	10.00	9.95	9.92	9.88	9.84	9.78	9.72	9.63	9.54	9.38	9.13	8.64	8.57	8.58	8.58	8.92

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-72-110v		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	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240				
5	240	240	240	240	240	239	239	239	239	239	239	239	239	239	239				
10	235	235	235	236	236	236	236	236	236	236	236	236	235	235	235				
15	228	228	228	229	229	230	230	230	230	230	230	231	230	229	229				
20	218	219	220	221	221	221	221	222	222	222	222	222	222	221	221				
25	205	206	207	209	210	211	212	212	211	212	211	212	211	211	210				
30	190	192	193	195	196	198	199	200	201	200	200	199	199	198	197				
35	173	175	177	179	182	183	184	185	185	187	185	185	184	184	182				
40	156	157	160	162	164	166	169	169	169	170	169	168	167	167	164				
45	138	140	143	144	146	149	151	152	151	152	151	148	147	146	144				
50	120	121	124	127	129	131	133	134	134	132	132	129	126	125	123				
55	104	105	107	109	112	112	114	115	115	113	112	109	105	103	101				
60	84.5	85.0	87.8	88.8	92.6	94.6	96.6	95.5	95.4	93.6	90.3	87.5	84.2	80.9	79.5				
65	65.4	66.5	70.0	71.1	74.1	74.2	77.4	76.2	76.5	73.8	71.3	67.6	64.7	61.2	59.6				
70	48.8	49.3	52.2	53.6	57.1	57.4	59.4	57.6	57.3	55.0	53.3	49.6	47.1	42.8	41.2				
75	33.7	34.0	35.5	37.4	41.3	42.3	44.1	42.2	41.3	39.2	36.9	33.7	31.4	27.6	25.2				
80	22.6	23.2	24.3	25.5	27.7	29.0	30.5	29.3	28.1	26.6	23.6	20.6	17.9	15.0	13.2				
85	15.5	16.1	17.1	17.8	19.8	20.2	21.4	20.3	18.8	17.0	14.4	12.1	9.34	7.01	5.53				
90	12.4	12.6	13.1	13.5	14.7	14.8	15.4	14.5	13.0	11.3	9.25	7.41	5.54	3.71	2.39				
95	12.6	12.5	12.5	12.6	13.2	13.1	13.1	12.1	10.8	9.50	7.96	6.45	5.08	3.71	2.62				
100	13.8	13.8	13.4	13.0	13.0	12.8	12.5	11.7	10.7	9.53	8.21	6.81	5.50	4.27	3.25				
105	15.5	15.6	15.3	14.7	14.0	13.6	12.9	12.2	11.2	10.1	8.89	7.58	6.28	5.04	3.71				
110	17.5	17.6	17.1	16.4	15.6	14.9	13.9	13.0	11.9	10.7	9.52	8.26	6.97	5.60	4.31				
115	19.4	19.5	19.0	18.0	16.9	16.0	14.9	13.9	12.7	11.4	10.2	8.87	7.59	6.03	4.93				
120	23.0	21.9	21.5	20.3	18.9	17.7	16.2	14.9	13.6	12.2	10.8	9.46	7.99	6.36	5.53				
125	28.2	26.3	25.4	23.9	22.1	20.4	18.6	16.8	15.1	13.4	11.6	10.0	8.36	6.96	6.09				
130	33.7	31.4	30.1	28.2	25.8	23.7	21.2	19.1	16.7	14.8	12.8	10.8	8.89	7.58	6.68				
135	37.4	34.6	33.6	31.5	29.0	26.4	23.7	21.1	18.5	16.0	13.5	11.4	9.79	8.34	7.28				
140	36.9	35.3	33.9	32.1	29.8	27.4	24.8	22.4	19.7	16.9	14.6	12.6	10.9	9.22	8.01				
145	36.3	34.8	33.0	32.2	30.3	28.2	25.8	23.3	20.5	18.3	16.0	14.0	12.2	10.3	8.97				
150	34.6	33.6	32.5	31.4	29.9	27.9	25.5	23.1	21.2	18.9	16.9	15.2	13.3	11.3	10.0				
155	31.2	30.5	29.3	28.2	27.1	25.7	24.1	22.6	20.7	18.8	17.2	15.4	13.8	12.1	10.9				
160	26.0	25.7	24.0	23.8	23.9	22.7	22.2	20.8	19.3	17.9	16.3	14.9	13.4	12.3	11.4				
165	20.0	19.7	18.7	18.6	19.8	19.1	18.9	18.0	16.9	15.9	14.9	14.0	13.1	12.3	11.5				
170	14.3	14.5	14.8	14.8	15.8	15.6	16.0	15.4	14.8	14.2	13.6	13.1	12.5	12.0	11.6				
175	10.7	11.0	11.5	11.7	12.7	12.8	13.4	13.2	13.0	12.8	12.5	12.3	12.1	11.9	11.6				
180	9.14	9.27	9.60	9.64	10.7	10.9	11.7	11.7	11.7	11.7	11.7	11.6	11.6	11.6	11.6				

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: