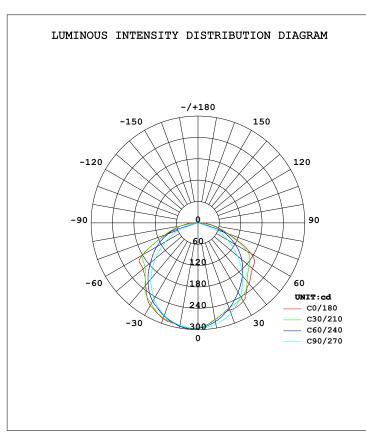
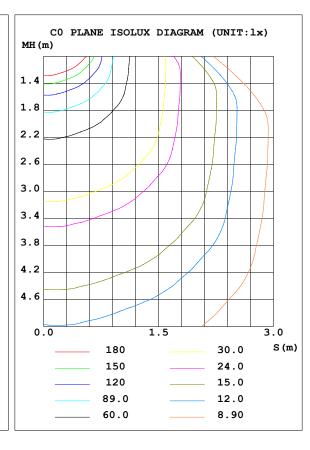


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: x-Glo-72-12v		WEIGHT:100g/m
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:13.5*1000mm	PROTECTION ANGLE:/

DATA OF LAN	I P	PHOTOMETRIC DATA Eff: 75.76 lm/								
MODEL	2835	Imax(cd)	299.0	S/MH (CO/180)	1.33					
NOMINAL POWER (W)	12	LOR(%)	96.1	S/MH (C90/270)	1.24					
RATED VOLTAGE (V)	12	TOTAL FLUX(lm)	832.74	η UP,DN(C0-180)	0.0,49.1					
NOMINAL FLUX(lm)	866.74	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.0					
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25					
TEST VOLTAGE (V)	12	η down(%)	96.1	CIBSE SHR MAX	1.35					





C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	298.6	298.5	295.5	289.7	286.9	289.0	294.3	297.5	0- 5	7.055	7.055	0.85,0.81
10	293.6	293.5	292.1	280.5	275.4	278.8	288.9	292.1	5- 10	20.76	27.81	3.34,3.21
15	290.0	287.4	285.7	269.1	264.5	266.3	280.9	284.4	10- 15	33.51	61.32	7.36,7.07
20	286.4	280.3	276.4	256.8	260.5	253.1	270.3	276.1	15- 20	45.15	106.5	12.8,12.3
25	277.5	272.3	263.2	246.5	260.3	242.1	255.8	266.5	20- 25	55.55	162.0	19.5,18.7
30	268.2	259.1	247.3	239.0	254.3	233.0	238.4	252.6	25- 30	64.29	226.3	27.2,26.1
35	250.5	242.7	226.9	231.3	237.1	223.0	216.8	235.6	30- 35	70.91	297.2	35.7,34.3
40	228.8	226.8	206.5	220.0	222.9	209.4	195.1	221.1	35- 40	74.55	371.8	44.6,42.9
45	211.0	208.5	181.5	204.1	210.0	192.1	170.1	203.2	40- 45	75.90	447.7	53.8,51.6
50	201.9	187.0	156.5	183.7	200.1	173.3	145.1	181.6	45- 50	75.55	523.2	62.8,60.4
55	198.9	171.1	130.5	171.6	194.3	156.7	120.6	164.4	50- 55	74.56	597.8	71.8,69
60	180.6	160.8	104.6	160.5	171.1	142.5	96.20	151.6	55- 60	71.96	669.7	80.4,77.3
65	133.8	136.6	78.69	131.7	129.6	118.9	71.75	127.7	60- 65	63.07	732.8	88,84.5
70	94.52	107.5	52.77	100.9	90.94	92.46	47.31	99.61	65- 70	49.87	782.7	94,90.3
75	68.69	75.81	0	70.96	65.35	64.70	0	69.82	70- 75	31.15	813.8	97.7,93.9
80	47.74	0	0	0	42.58	0	0	0	75- 80	13.27	827.1	99.3,95.4
85	28.90	0	0	0	26.26	0	0	0	80- 85	4.672	831.8	99.9,96
90	10.00	0	0	0	10.09	0	0	0	85- 90	0.9749	832.7	100,96.1
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG				LUMINO	US INTENSI	TY:cd				UNI	Γ:1m	

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

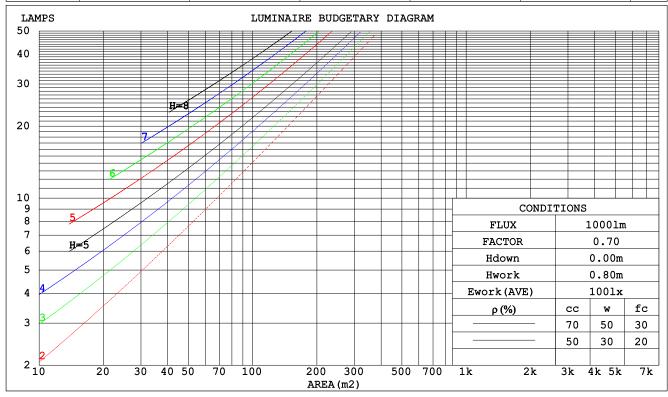
Test Distance: 7.600m [K=1.0000]



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.: SI	JR.:13.5*1000mm	PROTECTION ANGLE:/

ραα		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: Ro	om Cav	ity Rat	io		Coe	fficier	nts of	Utiliza	tion(C	U)					
0.0	1.14	1.14	1.14	1.12	1.12	1.12	1.07	1.07	1.07	1.02	1.02	1.02	.98	.98	.98	.96
1.0	1.01	.97	.93	.98	.95	.92	.94	.91	.89	.91	.88	.86	.87	.85	.84	.82
2.0	.88	.81	.76	.86	.80	.75	.83	.78	.73	.79	.75	.72	.77	.73	.70	.68
3.0	.77	.69	.63	.75	.68	.62	.73	.66	.61	.70	.65	.60	.67	.63	.59	.57
4.0	.68	.60	.53	.67	.59	.53	.64	.58	.52	.62	.56	.51	.60	.55	.51	.49
5.0	.61	.52	.46	.60	.51	.45	.58	.50	.45	.56	.49	.44	.54	.48	.44	.42
6.0	.55	.46	.40	.54	.45	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.49	.41	.35	.49	.41	.35	.47	.40	.35	.46	.39	.34	.44	.39	.34	.32
8.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29
9.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



WEC AND CCEC

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.: SU	JR.:13.5*1000mm	PROTECTION ANGLE:/

ρςς		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:F	Room C	avity	Ratio				Wall	Exita	nce Co	effci	ents (W	IEC)			
0.0																
1.0	.282	.160	.051	.275	.157	.050	.262	.151	.048	.251	.145	.046	.240	.139	.045	
2.0	.272	.149	.046	.266	.147	.045	.255	.142	.044	.245	.137	.043	.235	.133	.042	
3.0	.255	.136	.041	.250	.134	.040	.240	.130	.039	.230	.126	.039	.222	.123	.038	
4.0	.237	.123	.036	.232	.121	.036	.223	.118	.035	.215	.116	.035	.208	.113	.034	
5.0	.220	.112	.032	.216	.111	.032	.208	.108	.032	.201	.106	.031	.194	.104	.031	
6.0	.204	.102	.029	.201	.101	.029	.194	.099	.029	.187	.097	.029	.181	.095	.028	
7.0	.191	.094	.027	.187	.093	.027	.181	.092	.026	.175	.090	.026	.170	.088	.026	
8.0	.178	.087	.024	.175	.086	.024	.170	.085	.024	.164	.083	.024	.159	.082	.024	
9.0	.167	.081	.023	.164	.080	.022	.159	.079	.022	.155	.078	.022	.150	.076	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.074	.021	.146	.072	.021	.142	.071	.020	

ραα		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:F	loom C	avity	Ratio		(Ceilin	g Cav	ity Ex	itanc	e Coef	ficie	nts(CC	CEC)		
0.0	.183	.183	.183	.156	.156	.156	.107	.107	.107	.061	.061	.061	.020	.020	.020	
1.0	.172	.150	.130	.147	.129	.112	.101	.089	.078	.058	.051	.045	.019	.017	.015	
2.0	.164	.127	.095	.141	.109	.082	.096	.076	.057	.056	.044	.034	.018	.014	.011	
3.0	.157	.110	.072	.135	.095	.062	.092	.066	.044	.053	.038	.026	.017	.012	.008	
4.0	.150	.097	.056	.129	.084	.049	.089	.058	.035	.051	.034	.020	.016	.011	.007	
5.0	.143	.087	.046	.123	.075	.040	.085	.053	.028	.049	.031	.017	.016	.010	.005	
6.0	.136	.079	.038	.117	.068	.033	.081	.048	.023	.047	.028	.014	.015	.009	.005	
7.0	.130	.072	.032	.112	.063	.028	.077	.044	.020	.045	.026	.012	.014	.008	.004	
8.0	.124	.067	.028	.107	.058	.024	.074	.041	.017	.043	.024	.010	.014	.008	.003	
9.0	.118	.062	.024	.102	.054	.021	.070	.038	.015	.041	.022	.009	.013	.007	.003	
10.0	.113	.058	.022	.097	.050	.019	.067	.035	.013	.039	.021	.008	.013	.007	.003	

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



Uncorrected UGR Table

NAME: x-Glo-7	V	VEIGHT: 1	00g/m							
DIM.: 6*13.5m	nm			s	SPEC.:			SERIAL	No.:	
MFR.:				SUF	R.:13.5*		PROT	ECTION	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		Viewe	d crossw	ise			Vi	ewed endwi	se	
x = 2H y = 2H	24.9	26.4	25.1	26.6	26.8	22.9	24.4	23.2	24.6	24.8
3н	26.3	27.7	26.6	28.0	28.2	23.9	25.3	24.2	25.5	25.8
4H	26.9	28.2	27.2	28.5	28.7	23.8	25.1	24.1	25.4	25.6
6н	27.4	28.7	27.7	28.9	29.2	23.7	24.9	24.0	25.2	25.5
8н	27.6	28.8	28.0	29.1	29.4	23.6	24.8	24.0	25.1	25.4
12H	27.8	29.0	28.2	29.3	29.6	23.6	24.7	23.9	25.0	25.3
4н 2н	25.5	26.8	25.8	27.0	27.3	24.0	25.4	24.3	25.6	25.9
3н	27.1	28.3	27.5	28.6	28.9	25.3	26.4	25.6	26.7	27.0
4H	27.9	28.9	28.2	29.2	29.6	25.2	26.2	25.6	26.6	26.9
6Н	28.5	29.5	28.9	29.8	30.2	25.1	26.0	25.5	26.4	26.7
8н	28.8	29.7	29.2	30.1	30.4	25.0	25.9	25.5	26.3	26.7
12Н	29.1	29.9	29.5	30.3	30.7	25.0	25.8	25.4	26.2	26.6
8H 4H	28.0	28.9	28.4	29.3	29.6	25.6	26.4	26.0	26.8	27.2
6н	28.8	29.5	29.3	29.9	30.4	25.5	26.2	25.9	26.6	27.0
8н	29.2	29.8	29.6	30.2	30.7	25.4	26.1	25.9	26.5	27.0
12н	29.5	30.1	30.0	30.5	31.0	25.4	25.9	25.9	26.4	26.9
12н 4н	28.0	28.8	28.4	29.2	29.6	25.6	26.4	26.0	26.8	27.2
6н	28.8	29.4	29.2	29.8	30.3	25.5	26.1	26.0	26.6	27.0
8н	29.1	29.7	29.6	30.1	30.6	25.5	26.0	26.0	26.5	26.9
Variations with	the obser	ver posi	tion at s	spacings:	<u> </u>					
S = 1.0H		+ 0	.2 / - 0	.3		+ 0.3 / - 0.4				
1.5H	.5н + 0.4 / - 0.6					+ 0.3 / - 0.6				
2.0н + 0.5 / - 0.9				. 9			+	0.6 / - 1	.3	

CIE Pub.117 Corrected 866.7 lm Total Lamp Luminous Flux.($8\log(F/F0) = -0.5$)

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



UTILIZATION FACTORS TABLE

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	UR.:13.5*1000mm	PROTECTION ANGLE:/

				REFLEC	CTANCE					
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	INDEX UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	55	44	37	54	44	37	53	43	37	31
0.80	65	54	47	64	53	47	62	53	46	40
1.00	73	63	56	72	62	55	70	63	55	48
1.25	80	70	63	79	70	63	76	68	62	55
1.50	85	76	69	84	75	69	81	73	68	60
2.00	92	84	78	90	83	77	87	81	76	68
2.50	96	88	83	94	87	82	90	85	80	72
3.00	99	93	87	97	91	86	93	88	84	76
4.00	103	98	93	100	96	92	96	93	89	81
5.00	105	101	97	103	99	95	98	95	93	84
ROOM INDEX		1	1	UF(to	tal)	1		1	1	Direct
According to D	IN EN 13032	2-2 2004			Susp	ended			SHRNOM =	1.25

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

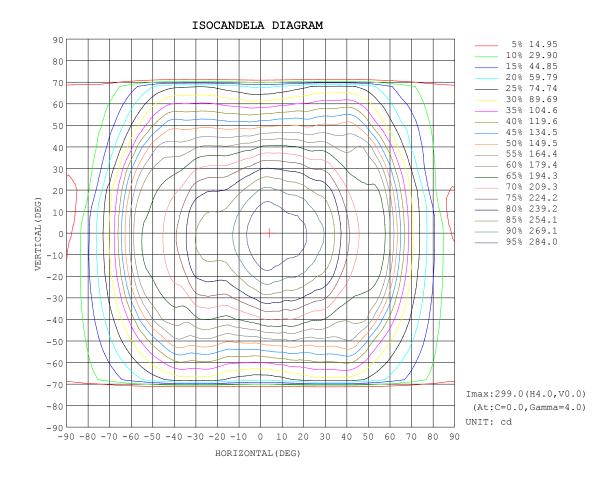
Humidity:46%

Test Distance: 7.600m [K=1.0000]



ISOCANDELA DIAGRAM

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:13.5*1000mm	PROTECTION ANGLE:/



C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

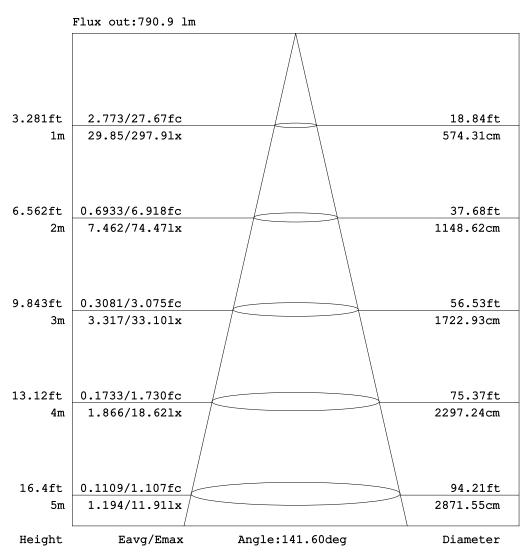
Humidity:46%

Test Distance: 7.600m [K=1.0000]



AAI Figure

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	UR.:13.5*1000mm	PROTECTION 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: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

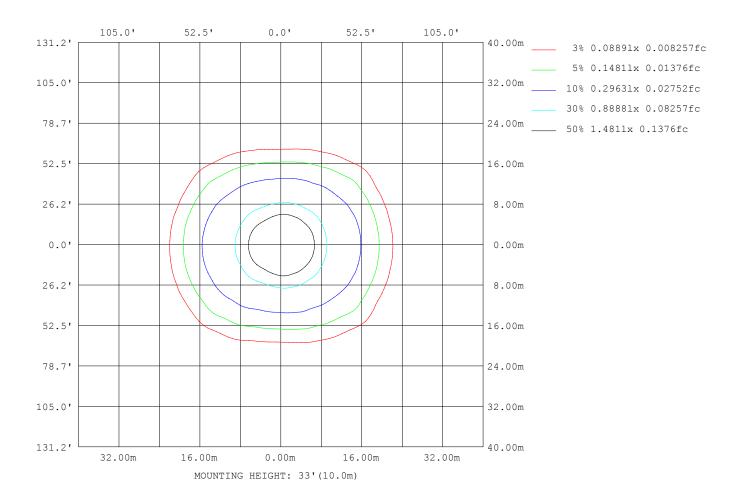
Humidity:46%

Test Distance: 7.600m [K=1.0000]



ISOLUX DIAGRAM

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	UR.:13.5*1000mm	PROTECTION ANGLE:/



C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



Average Luminance Table (CIBSE)

NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.: SU	JR.:13.5*1000mm	PROTECTION ANGLE:/

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Вс	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	866.74	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.0135	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								Ср	lane (deg)									
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	25682	25538	25123	24355	22806	21548	19892	18987	17774	116859	17069	17806	20259	21283	23277	24143	24660	25119	25091
60	26759	26731	26604	26292	25118	21832	19826	18048	16504	15499	15934	17310	19890	21731	24066	24746	25256	25509	25355
65	23444	23622	23598	23485	24946	21859	19552	17079	14942	213793	14573	16768	319374	21795	23098	22930	22978	22977	22710
70	20471	20785	21227	21510	23342	21738	19141	16073	12833	311428	12793	16055	18652	21288	21749	21308	20584	19994	19696
75	19658	19926	20494	21363	22045	14018	0	0	0	0	0	0	0	13307	20692	20506	19811	.19140	18704
80	20364	20709	21457	16403	0	0	0	0	0	0	0	0	0	0	0	14970	19835	19282	18163
85	24560	25565	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24402	22318

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

CIBSE	Gamma	Average 1	Luminance	Patch Luminance					
Category	(deg)	maximum	specified	maximum	specified				
		calculated	maximum	measured	maximum				
Category 1	55 to 90	26759	200		500				
Category 2	65 to 90	25565	200		500				
Category 3	75 to 90	25565	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:25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	UR.:13.5*1000mm	PROTECTION ANGLE:/

Table1																UNI	T: 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	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297
5	299	299	299	299	299	299	299	299	299	298	298	298	298	298	297	297	297	296	296
10	294	293	293	294	294	294	294	294	294	293	294	294	295	295	295	295	294	293	292
15	290	290	290	290	289	289	288	288	287	287	287	287	287	287	289	289	288	287	286
20	286	286	286	286	285	285	284	283	282	280	279	278	278	278	278	279	279	278	276
25	277	277	277	277	276	275	275	275	273	272	271	269	266	266	266	265	266	265	263
30	268	268	268	267	266	264	263	262	260	259	258	257	254	251	251	250	250	250	247
35	251	251	252	253	253	252	251	249	245	243	241	240	239	236	232	232	230	231	227
40	229	229	229	229	229	231	232	232	231	227	221	219	218	218	215	213	212	211	207
45	211	211	211	211	211	210	209	209	210	209	205	199	197	197	195	189	188	186	181
50	202	202	202	201	199	197	194	191	188	187	186	181	174	172	172	166	164	160	156
55	199	199	198	196	195	192	189	183	177	171	167	163	154	149	147	142	138	134	131
60	181	180	180	180	180	175	177	170	170	161	147	140	134	126	122	118	111	107	105
65	134	134	135	135	135	135	134	138	142	137	125	117	112	104	97.4	92.2	85.2	80.5	78.7
70	94.5	95.0	96.0	96.7	98.0	97.8	99.3	104	108	107	100	93.3	88.4	83.2	74.2	66.7	59.3	54.0	52.8
75	68.7	69.4	69.6	71.1	71.6	72.8	74.6	76.2	77.0	75.8	49.0	4.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	47.7	48.0	48.5	49.2	50.3	51.6	38.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	28.9	29.2	30.1	10.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	10.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	UR.:13.5*1000mm	PROTECTION ANGLE:/

Table2																UNI	T: 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	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297
5	295	294	294	293	292	292	291	290	290	289	289	288	288	288	287	287	287	287	287
10	291	289	288	286	285	284	283	282	280	279	278	277	277	276	276	276	276	275	275
15	283	281	279	277	276	273	272	270	269	268	268	267	266	265	265	265	265	265	264
20	273	270	268	265	263	261	259	258	257	256	256	258	259	259	260	260	261	260	260
25	259	256	253	250	248	246	245	245	246	248	251	254	256	258	260	260	260	260	260
30	242	239	236	234	232	231	232	235	239	243	247	250	252	253	254	255	255	254	253
35	222	219	217	216	215	216	221	226	231	235	239	242	242	241	240	239	238	237	237
40	202	200	199	198	198	203	209	215	220	224	224	221	221	221	222	223	223	223	222
45	179	178	178	178	182	189	197	201	204	203	203	206	210	211	211	211	210	210	209
50	155	157	157	158	166	174	180	184	184	188	194	198	199	200	200	200	200	200	199
55	130	132	134	138	147	157	163	165	172	180	186	187	188	191	193	195	195	194	193
60	105	108	111	117	127	134	139	147	161	162	163	167	167	170	172	172	172	171	171
65	79.9	83.1	87.8	95.7	105	111	115	124	132	132	130	131	133	131	132	131	131	130	129
70	54.8	59.1	65.1	74.1	82.4	86.1	91.3	98.3	101	100	100	98.4	96.6	95.0	93.7	92.3	91.5	90.9	90.3
75	0.00	0.00	0.00	0.00	0.00	0.00	4.25	46.5	71.0	72.3	72.6	71.6	70.3	69.2	67.4	66.9	65.7	65.4	59.6
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.1	47.6	46.5	45.9	45.2	44.8	42.6	29.2
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.93	28.7	28.2	26.3	19.8
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.1	0.00

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:13.5*1000mm	PROTECTION ANGLE:/

Table3																UNI	T: 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	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297
5	287	287	287	288	288	288	289	289	289	290	291	291	292	293	293	294	294	295	295
10	275	275	276	276	276	277	278	279	280	281	281	283	284	285	287	288	289	290	291
15	264	264	264	264	265	265	265	266	267	268	270	271	273	275	277	279	281	283	284
20	259	258	257	256	255	254	253	253	254	255	256	258	260	262	265	267	270	272	273
25	258	257	255	253	250	247	244	242	241	240	241	242	244	246	249	252	256	258	259
30	252	251	249	246	244	241	237	233	229	226	225	225	227	229	230	234	238	241	241
35	236	236	236	235	233	230	227	223	218	214	209	208	208	209	209	212	217	219	220
40	220	218	217	216	215	215	213	209	204	199	194	190	189	189	189	190	195	197	199
45	208	207	205	202	198	196	193	192	189	183	178	173	169	168	167	166	170	172	175
50	198	196	195	192	187	182	176	173	171	166	160	154	149	147	144	143	145	147	150
55	190	187	185	181	178	173	164	157	152	148	142	135	129	125	122	119	121	122	126
60	169	167	164	160	159	154	150	142	132	126	121	115	108	103	99.3	95.8	96.2	97.6	102
65	128	128	123	124	122	123	124	119	110	104	99.3	93.9	87.4	81.9	76.9	72.5	71.8	73.1	77.6
70	87.0	81.5	80.8	83.5	87.8	92.4	93.8	92.5	86.6	81.3	77.4	72.8	66.6	60.5	54.6	49.3	47.3	48.6	53.4
75	50.2	49.7	51.6	56.0	59.9	63.6	66.2	64.7	41.2	3.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	29.0	30.1	31.8	34.4	26.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	20.8	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]



NAME: x-Glo-72-12v	WEIGHT:100g/m	
DIM.: 6*13.5mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:13.5*1000mm	PROTECTION ANGLE:/

Table4																UNIT	: cd	
C (DEG)																		
γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355			L
0	297	297	297	297	297	297	297	297	297	297	297	297	297	297	297			
5	296	296	296	297	297	297	298	298	298	298	298	298	298	298	298			
10	292	292	292	293	292	292	292	292	293	293	293	293	293	293	293			
15	284	284	284	284	284	284	284	285	285	286	287	288	289	289	290			
20	273	273	273	273	274	274	276	278	280	281	282	283	284	285	286			
25	258	259	259	260	262	265	267	269	270	271	272	273	275	276	277			
30	242	243	243	246	249	251	253	254	256	259	261	263	265	267	268			
35	222	223	226	229	232	233	236	240	245	248	249	250	251	250	250			
40	201	203	206	208	210	214	221	226	229	228	228	227	227	228	228			
45	178	181	184	186	190	198	203	205	205	205	206	207	208	209	210			
50	153	158	160	163	172	179	182	183	186	189	193	196	199	200	201			
55	130	135	137	144	154	160	164	170	178	184	188	193	195	197	198			
60	106	112	116	124	132	140	152	160	164	173	173	177	178	179	180			
65	82.7	88.9	94.9	103	109	117	128	135	132	130	131	130	131	132	133			
70	59.5	66.5	74.2	80.4	85.3	92.0	99.6	102	99.2	94.0	90.3	90.4	90.2	94.1	94.6			
75	0.00	0.00	0.00	0.00	3.90	43.9	69.8	72.3	70.9	67.4	63.1	59.4	59.2	59.4	68.6			
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.7	41.7	41.3	41.2	39.7	36.5			
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.30	24.2	23.5			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
					l													

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature:25.3DEG

Operators:LI

Test Date:2015-07-01

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257

Humidity:46%

Test Distance: 7.600m [K=1.0000]