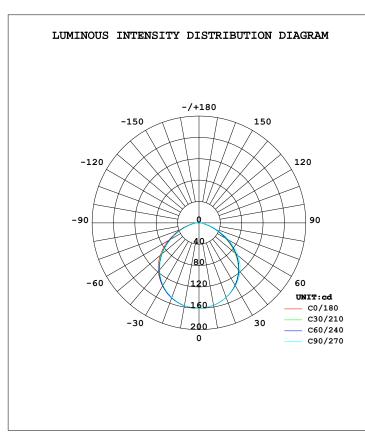
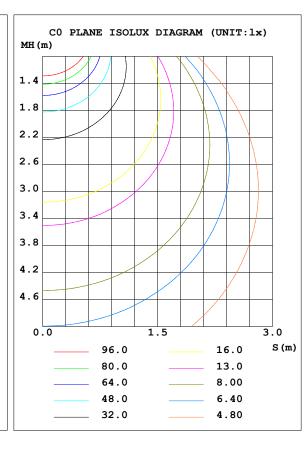


### LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAM	<b>I</b> P		TRIC DATA Eff: 97	Eff: 97.45 lm/W		
MODEL	5050	Imax(cd)	159.6	S/MH (CO/180)	1.27	
NOMINAL POWER (W)	4.4	LOR(%)	85.8	S/MH (C90/270)	1.25	
RATED VOLTAGE (V)	36	TOTAL FLUX(lm)	428.78	η UP,DN(C0-180)	0.0,42.4	
NOMINAL FLUX(lm)	500	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,43.3	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	36	η down(%)	85.8	CIBSE SHR MAX	1.35	





C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]



## ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

										1	I	
Υ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	159.1	159.0	158.9	158.7	158.8	158.7	158.8	158.8	0- 5	3.806	3.806	0.89,0.76
10	157.3	157.3	157.1	156.6	156.8	156.6	156.8	156.9	5- 10	11.29	15.10	3.52,3.02
15	154.0	154.4	153.6	153.2	153.4	153.2	153.2	153.9	10- 15	18.42	33.52	7.82,6.7
20	149.4	149.7	148.8	148.4	148.7	148.5	148.8	149.6	15- 20	24.93	58.45	13.6,11.7
25	143.6	143.5	142.4	142.5	142.7	142.4	143.0	144.2	20- 25	30.63	89.07	20.8,17.8
30	136.5	135.7	134.8	135.1	135.2	134.8	136.5	137.4	25- 30	35.28	124.4	29,24.9
35	128.1	126.6	125.2	126.3	126.1	125.8	128.6	129.3	30- 35	38.69	163.0	38,32.6
40	118.4	116.3	114.6	115.4	115.4	115.0	119.4	120.0	35- 40	40.65	203.7	47.5,40.7
45	107.3	103.9	102.5	103.0	102.7	102.5	108.3	109.2	40- 45	41.04	244.7	57.1,48.9
50	94.65	90.77	89.36	89.28	88.47	88.59	95.63	97.60	45- 50	39.75	284.5	66.3,56.9
55	80.90	76.73	75.17	74.54	72.87	73.63	80.53	84.82	50- 55	36.79	321.3	74.9,64.3
60	65.90	62.18	60.19	59.24	57.07	57.74	63.55	71.44	55- 60	32.25	353.5	82.4,70.7
65	51.00	48.23	45.73	44.57	42.32	42.19	47.38	57.02	60- 65	26.51	380.0	88.6,76
70	37.25	34.45	31.75	31.52	29.52	28.50	32.58	42.65	65- 70	20.34	400.4	93.4,80.1
75	24.95	22.21	19.82	20.30	19.38	17.14	20.41	29.68	70- 75	14.19	414.6	96.7,82.9
80	14.80	12.35	9.831	11.37	11.33	8.925	10.50	18.33	75- 80	8.736	423.3	98.7,84.7
85	7.423	5.523	2.116	5.019	5.447	4.026	2.602	10.13	80- 85	4.516	427.8	99.8,85.6
90	3.997	0	0	0	2.700	0	0	0	85- 90	0.9705	428.8	100,85.8
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		1		LUMINO	US INTENSI	TY:cd				UNIT	r:1m	
220				201.1110		-	UNI					

C Range: 0 - 360DEG C Interval: 5.0DEG γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257 Test Speed: HIGH

Temperature: 28.5DEG Humidity:56%

Test Distance: 6.810m [K=0.8223]

Remarks:

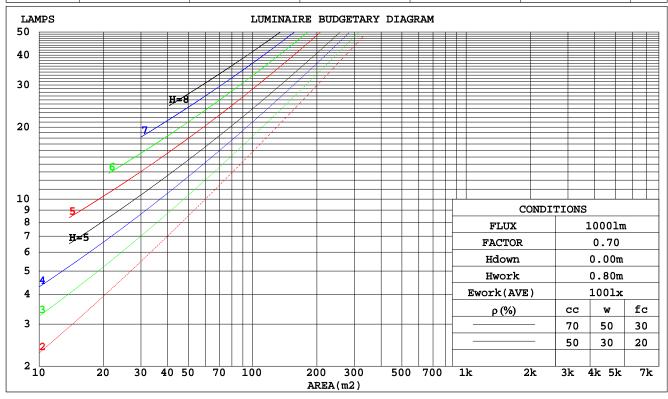
Operators: Test Date:



### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc		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	oom Cav	rity Rat	io		Coe	fficien	ts of	Utiliza	tion(C	U)					
0.0	1.02	1.02	1.02	.00	.00	.00	.95	.95	.95	.91	.91	.91	.88	.88	.88	.8
1.0	.90	.86	.83	.88	.85	.82	.84	.82	.79	.81	.79	.77	.78	.76	.75	.7
2.0	.79	.73	.68	.77	.72	.68	.74	.70	.66	.71	.68	.65	.69	.66	.63	.6
3.0	.69	.63	.57	.68	.62	.57	.66	.60	.56	.63	.59	.55	.61	.57	.54	.5
4.0	.62	.54	.49	.61	.54	.48	.58	.53	.48	.56	.51	.47	.55	.50	.47	.4
5.0	.55	.48	.42	.54	.47	.42	.52	.46	.41	.51	. 45	.41	. 49	.44	.41	.3
6.0	.50	.42	.37	.49	.42	.37	.47	.41	.36	.46	.40	.36	. 45	.40	.36	.3
7.0	. 45	.38	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30
8.0	.41	.34	.29	.41	.34	. 29	.40	.33	. 29	.38	.33	. 29	.37	.32	.28	.2
9.0	.38	.31	.26	.37	.31	.26	.36	.30	.26	.35	.30	.26	.35	.29	.26	.2
10.0	.35	.28	.24	.35	.28	. 24	.34	.28	.24	.33	. 27	.23	.32	. 27	.23	.2



C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]



## WEC AND CCEC

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ραα		80%			70%			50%			30%			10%		0
ρ₩	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:R	Room C	avity	Ratio				Wall	Exitar	nce Co	effci	ents(W	EC)			
0.0																
1.0	.250	.142	.045	.244	.139	.044	.232	.133	.043	.222	.128	.041	.212	.123	.040	
2.0	.238	.130	.040	.233	.128	.040	.223	.124	.038	.214	.120	.038	.205	.116	.037	
3.0	.222	.118	.035	.218	.117	.035	.209	.113	.034	.201	.110	.034	.193	.107	.033	
4.0	.207	.107	.032	.202	.106	.031	.195	.103	.031	.187	.101	.030	.181	.098	.030	
5.0	.192	.098	.028	.188	.097	.028	.181	.094	.028	.175	.092	.027	.169	.090	.027	
6.0	.179	.090	.026	.176	.089	.026	.169	.087	.025	.164	.085	.025	.158	.083	.025	
7.0	.167	.083	.023	.164	.082	.023	.159	.080	.023	.153	.079	.023	.149	.077	.023	
8.0	.156	.076	.021	.154	.076	.021	.149	.074	.021	.144	.073	.021	.140	.072	.021	
9.0	.147	.071	.020	.144	.070	.020	.140	.069	.020	.136	.068	.020	.132	.067	.019	
10.0	.138	.066	.018	.136	.066	.018	.132	.065	.018	.128	.064	.018	.125	.063	.018	

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:R	oom C	avity	Ratio		(	Ceilin	g Cav	ity Ex	itance	e Coef	ficie	nts(CC	CEC)		
0.0	.163	.163	.163	.140	.140	.140	.095	.095	.095	.055	.055	.055	.018	.018	.018	
1.0	.154	.134	.116	.131	.115	.100	.090	.079	.069	.052	.046	.040	.017	.015	.013	
2.0	.146	.113	.086	.125	.097	.074	.086	.067	.052	.049	.039	.030	.016	.013	.010	
3.0	.139	.098	.065	.119	.085	.056	.082	.059	.040	.047	.034	.023	.015	.011	.008	
4.0	.133	.086	.051	.114	.075	.044	.078	.052	.031	.045	.030	.018	.015	.010	.006	
5.0	.126	.077	.041	.109	.067	.036	.075	.047	.025	.043	.027	.015	.014	.009	.005	
6.0	.120	.070	.034	.104	.061	.030	.071	.043	.021	.041	.025	.013	.013	.008	.004	
7.0	.115	.064	.029	.099	.056	.025	.068	.039	.018	.040	.023	.011	.013	.008	.004	
8.0	.109	.059	.025	.094	.051	.022	.065	.036	.015	.038	.021	.009	.012	.007	.003	
9.0	.104	.055	.022	.090	.048	.019	.062	.034	.014	.036	.020	.008	.012	.007	.003	
10.0	.100	.051	.019	.086	.045	.017	.060	.031	.012	.035	.019	.007	.011	.006	.002	

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 28.5DEG

Operators:
Test Date:

γ Range: 0 - 90DEG γ Interval: 0.5DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]



### Uncorrected UGR Table

NAME: X-Glo	NAME: X-Glo-30-36v							WEIGHT:			
DIM.:					SPEC.:			SERIAL	No.:		
MFR.:					SUR.:			PROTECTION ANGLE:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
wall	ສ 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 dimension	Room dimensions Viewed crosswise						Vi	ewed endwi	.se		
x = 2H y = 2	н 13.	3 14.8	13.5	15.0	15.2	13.1	14.6	13.3	14.8	15.0	
3	н 14.	5 15.9	14.8	16.1	16.3	14.2	15.6	14.5	15.8	16.0	
4	н 15.	0 16.3	15.3	16.5	16.8	14.5	15.8	14.9	16.1	16.3	
6	н 15.	3 16.5	15.6	16.7	17.0	14.7	15.9	15.1	16.2	16.5	
8	н 15.	4 16.5	15.7	16.8	17.1	14.8	15.9	15.1	16.2	16.5	
12	н 15.	4 16.6	15.8	16.8	17.1	14.7	15.9	15.1	16.2	16.5	
	н 13.		14.1	15.3	15.6	13.6	14.9	13.9	15.1	15.4	
3	н 15.		15.5	16.6	16.9	14.9	16.0	15.2	16.3	16.6	
4	н 15.		16.1	17.1	17.4	15.3	16.4	15.7	16.7	17.0	
6	н 16.	1 17.0	16.5	17.4	17.7	15.6	16.5	16.0	16.9	17.3	
8	н 16.	3 17.1	16.7	17.5	17.8	15.7	16.5	16.1	16.9	17.3	
12	н 16.	4 17.1	16.8	17.5	17.9	15.7	16.5	16.1	16.9	17.3	
8H 4	н 15.	9 16.7	16.3	17.1	17.5	15.5	16.4	15.9	16.8	17.1	
6	н 16.	4 17.1	16.8	17.5	17.9	15.9	16.6	16.4	17.0	17.5	
8	н 16.	6 17.2	17.0	17.6	18.1	16.1	16.7	16.5	17.1	17.5	
12	н 16.	8 17.3	17.2	17.7	18.2	16.1	16.6	16.6	17.1	17.6	
12H 4	н 15.	9 16.6	16.3	17.0	17.4	15.5	16.3	16.0	16.7	17.1	
	н 16.		16.9	17.4	17.9	16.0	16.6	16.4	17.0	17.5	
_	н 16.		17.1	17.6	18.1	16.1	16.7	16.6	17.1	17.6	
Variations with			ition at		:						
S = 1.0H	. 2		+ 0.2 / - 0.3								
1.5н	H + 0.2 / - 0.3						+ 0.2 / - 0.4				
2.0н		+	0.4 / - 0	. 4			+	0.4 / - 0	. 4		

CIE Pub.117 Corrected 500.0 lm Total Lamp Luminous Flux.( $8\log(F/F0) = -2.4$ )

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

Temperature: 28.5DEG

Operators: Test Date:

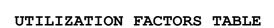
γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]





NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

				REFLEC	TANCE						
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	35	50	41	35	49	40	35	29	
0.80	59	50	44	58	49	43	57	49	43	37	
1.00	67	58	51	66	57	51	64	58	51	45	
1.25	73	64	58	72	64	58	69	62	57	51	
1.50	77	69	63	76	68	63	73	67	62	56	
2.00	83	76	71	81	75	70	78	73	69	62	
2.50	86	80	75	84	78	74	81	76	72	65	
3.00	89	83	79	87	82	78	83	79	76	69	
4.00	92	87	83	90	86	82	86	83	80	73	
5.00	94	90	87	92	88	85	88	85	83	75	
ROOM INDEX	UF(total)									Direct	
According to DI	N EN 13032	2-2 2004			Suspended					SHRNOM = 1.25	

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

Temperature: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

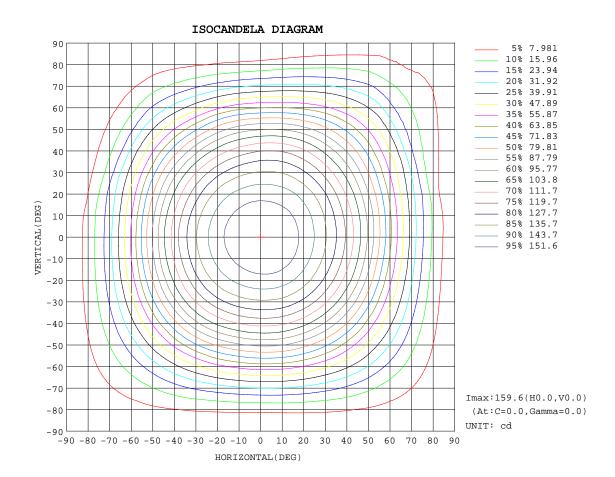
Humidity:56%

Test Distance: 6.810m [K=0.8223]



#### ISOCANDELA DIAGRAM

NAME: X-Glo-30-36v	TYPE:	WEIGHT:	
DIM.:	SPEC.:	SERIAL No.:	
MFR.:	SUR.:	PROTECTION ANGLE:	



C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

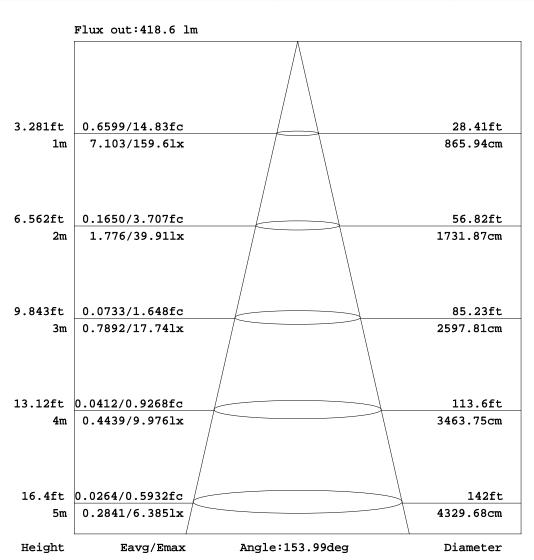
Humidity:56%

Test Distance: 6.810m [K=0.8223]



# AAI Figure

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

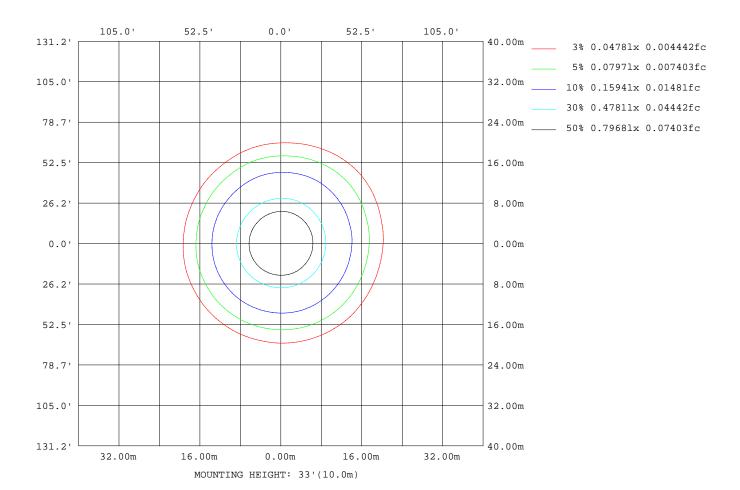
Humidity:56%

Test Distance: 6.810m [K=0.8223]



#### ISOLUX DIAGRAM

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]



## Average Luminance Table (CIBSE)

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	500	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.12	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	1175	1144	1129	1121	1117	1113	1110	1107	1103	1092	1084	1082	1083	1083	1079	1074	1074	1067	1059
60	1098	1064	1047	1038	1037	1040	1032	1023	1014	1003	993	992	989	988	985	976	973	960	951
65	1006	972	956	947	951	944	931	918	910	902	890	887	885	882	876	866	860	857	834
70	908	868	851	842	842	832	817	804	786	774	763	767	770	771	762	755	752	749	719
75	803	750	737	728	722	709	693	674	656	638	633	636	646	655	651	646	648	650	624
80	710	639	620	601	599	588	561	527	493	472	477	498	523	544	547	549	561	572	544
85	710	587	569	553	545	507	419	307	234	202	226	289	398	476	477	510	513	535	521

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	1175	200		500				
Category 2	65 to 90	1006	200		500				
Category 3	75 to 90	803	200		500				

Table 3. Tabulation of Average and Patch Luminance( $\operatorname{cd/sq.m.}$ ) for defined CIBSE categories

No match

C Range: 0 - 360DEG C Interval: 5.0DEG Test Speed: HIGH Temperature: 28.5DEG

Temperature: 28.5DE Operators:

Operators: Test Date: γ Range: 0 - 90DEG γ Interval: 0.5DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]





# LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
5	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
10	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
15	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154	154
20	149	149	149	149	149	150	150	150	150	150	150	150	150	149	149	149	149	149	149
25	144	143	143	143	143	143	143	143	143	143	144	144	143	143	143	143	143	142	142
30	137	136	136	136	136	136	136	136	136	136	136	136	136	136	135	135	135	135	135
35	128	128	128	128	127	127	127	127	127	127	127	127	126	126	126	126	126	125	125
40	118	118	118	117	117	117	116	116	116	116	116	116	116	115	115	115	115	115	115
45	107	107	106	106	105	105	104	104	104	104	104	104	104	103	103	103	103	103	102
50	94.6	93.7	93.0	92.5	92.0	91.7	91.5	91.0	90.8	90.8	90.5	90.4	90.3	90.2	90.2	90.2	90.0	89.7	89.4
55	80.9	79.5	78.7	78.4	77.7	77.6	77.2	77.0	76.9	76.7	76.6	76.5	76.4	76.3	76.2	76.2	75.9	75.5	75.2
60	65.9	64.5	63.8	63.3	62.8	62.6	62.3	62.4	62.2	62.2	62.4	62.2	61.9	61.7	61.4	61.1	60.9	60.5	60.2
65	51.0	49.9	49.3	48.6	48.5	48.1	48.0	47.9	48.2	48.2	47.9	47.5	47.2	46.9	46.6	46.3	46.2	46.0	45.7
70	37.2	36.3	35.6	35.2	34.9	34.7	34.6	34.7	34.6	34.5	34.1	33.8	33.5	33.3	33.0	32.6	32.3	32.0	31.7
75	25.0	23.9	23.3	23.0	22.9	22.7	22.6	22.5	22.4	22.2	22.0	21.8	21.5	21.2	20.9	20.7	20.4	20.1	19.8
80	14.8	13.7	13.3	13.1	12.9	12.8	12.5	12.6	12.5	12.3	12.3	12.0	11.7	11.4	11.0	10.6	10.3	9.98	9.83
85	7.42	6.39	6.14	6.02	5.95	5.91	5.78	5.79	5.70	5.52	5.30	5.03	4.39	3.75	3.21	2.79	2.45	2.21	2.12
90	4.00	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: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]





# LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
5	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
10	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
15	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153
20	149	148	148	148	148	148	148	148	148	148	149	149	149	149	149	149	149	149	149
25	142	142	142	142	142	142	142	143	143	143	143	143	143	143	143	143	143	143	143
30	135	134	134	134	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
35	125	125	125	125	125	126	126	126	126	126	126	126	126	126	126	126	126	126	126
40	114	114	114	114	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
45	102	102	102	102	102	103	103	103	103	103	103	103	103	103	103	103	103	103	103
50	89.1	88.8	88.6	88.7	88.9	89.2	89.3	89.3	89.3	89.1	88.9	88.8	89.0	88.7	88.6	88.5	88.6	88.5	88.5
55	74.9	74.6	74.5	74.5	74.5	74.6	74.6	74.6	74.5	74.3	74.0	73.9	73.8	73.9	73.4	73.4	73.2	72.9	72.8
60	59.9	59.6	59.5	59.5	59.6	59.4	59.3	59.3	59.2	59.1	58.6	58.6	58.2	58.4	58.0	57.6	57.4	57.1	56.8
65	45.5	45.2	45.0	45.0	45.0	44.9	44.8	44.7	44.6	44.4	44.3	43.9	43.8	43.6	43.7	43.4	43.0	42.3	42.2
70	31.5	31.3	31.4	31.5	31.6	31.6	31.6	31.7	31.5	31.3	31.1	31.0	30.8	30.9	30.8	30.7	30.2	29.5	29.2
75	19.7	19.7	19.7	19.7	19.9	20.1	20.3	20.4	20.3	20.2	20.1	20.1	20.1	20.1	20.2	20.2	19.9	19.4	18.1
80	9.82	9.93	10.1	10.4	10.6	10.9	11.2	11.3	11.4	11.4	11.4	11.4	11.6	11.7	11.8	11.9	11.9	11.3	7.98
85	2.19	2.36	2.64	3.02	3.53	4.16	4.78	4.98	5.02	4.99	5.15	5.34	5.06	5.36	5.33	5.60	5.81	5.45	3.46
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	2.70	0.00

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

Temperature: 28.5DEG

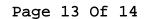
Operators: Test Date:

γ Range: 0 - 90DEG

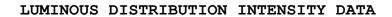
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]



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NAME: X-G1o-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
5	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159
10	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157
15	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153	153
20	149	149	149	149	149	149	148	149	148	148	148	148	148	149	149	149	149	149	149
25	143	143	143	142	142	142	142	142	143	142	142	142	143	143	143	143	143	143	143
30	135	135	135	135	135	135	135	135	135	135	135	135	135	136	136	136	136	137	137
35	126	126	125	125	125	125	126	126	126	126	126	126	127	127	128	128	129	129	129
40	115	115	114	114	115	115	115	115	115	116	116	116	117	117	118	119	119	120	121
45	102	102	102	102	102	102	102	103	103	104	104	105	106	106	107	108	108	109	110
50	88.0	87.9	87.9	88.2	88.1	88.1	88.2	88.6	89.1	90.0	91.0	92.0	92.9	93.8	94.4	95.1	95.6	96.3	97.0
55	72.6	72.5	72.8	72.6	72.8	72.9	73.1	73.6	74.1	74.9	76.0	77.3	78.3	79.2	79.7	80.0	80.5	81.2	82.1
60	56.4	56.6	56.5	56.4	56.9	57.0	57.4	57.7	58.0	58.6	59.6	60.8	61.6	62.3	62.7	63.1	63.5	64.3	65.3
65	42.0	41.6	41.1	41.2	41.4	41.9	42.0	42.2	42.4	42.7	43.5	44.4	45.1	45.8	46.3	46.8	47.4	48.2	49.2
70	28.7	26.4	25.6	25.9	27.1	28.1	28.2	28.5	28.7	29.0	29.4	30.0	30.5	31.0	31.5	31.9	32.6	33.4	34.5
75	14.9	13.9	13.8	14.2	15.0	16.3	17.1	17.1	17.3	17.7	18.0	18.3	18.7	19.1	19.5	19.9	20.4	21.0	22.0
80	6.44	6.19	6.28	6.65	7.15	7.83	8.68	8.93	9.13	9.25	9.35	9.47	9.61	9.63	9.72	9.95	10.5	11.2	12.1
85	3.05	2.83	2.74	3.01	2.98	3.38	3.74	4.03	4.02	3.83	3.48	3.16	2.95	2.71	2.55	2.51	2.60	2.90	3.40
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: 28.5DEG

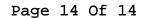
Temperature: 28.5DEG
Operators:

Operators: Test Date: γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]





# LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: X-Glo-30-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table4																UNI	T: cd		
C (DEG)																			
(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160				
5	159	159	159	159	159	159	159	159	159	159	159	159	159	159	159				
10	157	157	157	157	157	157	157	157	157	157	157	157	157	157	157				
15	153	153	153	154	154	154	154	154	154	154	154	154	154	154	154				
20	149	149	149	149	149	150	150	150	150	150	150	149	149	149	149				
25	143	144	144	144	144	144	144	144	144	144	144	144	144	144	144				
30	137	137	137	137	137	137	137	138	137	137	137	137	137	137	136				
35	130	130	130	130	130	130	129	129	129	129	129	129	129	128	128				
40	121	121	121	121	121	120	120	120	119	119	119	119	119	119	119				
45	110	110	110	110	110	110	109	109	109	108	108	108	108	108	108				
50	97.6	98.1	98.3	98.5	98.3	97.9	97.6	97.2	96.9	96.5	95.9	95.6	95.4	95.4	95.1				
55	83.1	83.8	84.5	85.1	85.4	85.1	84.8	84.6	84.4	83.9	83.2	82.3	82.1	81.7	81.3				
60	66.5	67.7	68.9	70.0	70.8	71.2	71.4	71.4	71.0	70.4	69.5	68.6	67.5	67.2	66.7				
65	50.4	51.7	53.0	54.3	55.5	56.3	57.0	57.4	56.9	56.4	55.3	54.5	53.1	52.5	51.8				
70	35.8	37.1	38.4	39.7	40.9	41.9	42.7	43.1	43.4	42.9	41.8	40.4	39.9	38.9	38.2				
75	23.2	24.3	25.5	26.7	27.9	28.9	29.7	30.3	30.5	29.1	27.2	25.7	24.4	24.5	25.7				
80	13.0	14.0	14.9	15.9	16.9	17.7	18.3	18.9	18.7	17.8	17.2	16.5	15.5	14.1	13.0				
85	4.10	4.96	6.05	7.50	9.00	9.62	10.1	10.4	9.94	9.08	9.03	8.79	9.15	8.80	7.70				
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				
																		i .	

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

Temperature: 28.5DEG

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257

Humidity:56%

Test Distance: 6.810m [K=0.8223]