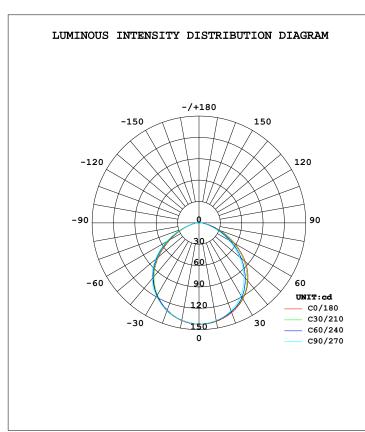
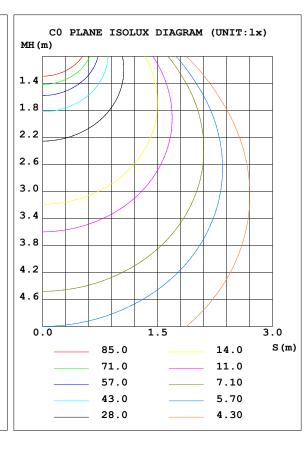


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: X-Glo-24-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAM	IP		TRIC DATA Eff: 101	L.90 lm/W	
MODEL	5050	Imax(cd)	142.5	S/MH (CO/180)	1.24
NOMINAL POWER (W)	3.6	LOR(%)	91.7	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	36	TOTAL FLUX(lm)	366.82	η UP,DN(C0-180)	0.0,46.4
NOMINAL FLUX(lm)	400	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,45.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	36	η down(%)	91.7	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:64%

Test Distance: 6.810m [K=0.8223]



ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

		1			1				1			
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	141.6	140.9	140.9	141.4	142.1	141.5	141.3	141.2	0- 5	3.390	3.390	0.92,0.85
10	139.5	138.7	138.9	139.5	140.5	139.5	139.4	139.0	5- 10	10.04	13.43	3.66,3.36
15	136.1	135.7	135.4	136.7	137.9	136.7	136.1	135.5	10- 15	16.34	29.77	8.11,7.44
20	131.5	130.5	131.1	133.2	134.2	132.9	131.5	130.4	15- 20	22.08	51.85	14.1,13
25	125.6	124.3	125.5	128.4	129.4	128.2	125.4	123.9	20- 25	27.07	78.92	21.5,19.7
30	118.1	117.2	119.2	122.4	123.3	121.9	117.9	116.2	25- 30	31.09	110.0	30,27.5
35	109.3	109.0	111.5	114.9	115.8	113.3	108.6	107.3	30- 35	33.95	144.0	39.2,36
40	99.03	99.93	102.5	105.7	106.8	103.0	98.47	97.45	35- 40	35.46	179.4	48.9,44.9
45	87.23	89.13	91.79	94.89	96.56	91.47	86.86	85.74	40- 45	35.53	214.9	58.6,53.7
50	74.09	77.13	79.88	83.07	84.83	79.01	74.52	73.31	45- 50	34.08	249.0	67.9,62.3
55	59.67	63.92	66.59	70.27	71.69	66.42	61.26	59.90	50- 55	31.13	280.1	76.4,70
60	46.50	50.16	52.14	56.60	57.97	53.58	48.08	46.58	55- 60	26.83	307.0	83.7,76.7
65	33.94	37.42	38.59	42.67	44.46	40.77	35.72	34.20	60- 65	21.71	328.7	89.6,82.2
70	23.03	25.63	26.16	30.11	31.68	29.31	24.39	23.50	65- 70	16.32	345.0	94.1,86.3
75	13.99	16.01	16.11	19.54	20.69	19.00	15.12	14.54	70- 75	11.13	356.1	97.1,89
80	7.445	8.819	8.002	11.34	12.32	10.59	7.578	7.718	75- 80	6.694	362.8	98.9,90.7
85	3.486	3.917	1.782	5.225	6.076	4.360	1.886	3.732	80- 85	3.347	366.2	99.8,91.5
90	2.309	0	0	0	1.990	0	0	0	85- 90	0.6444	366.8	100,91.7
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	LUMINOUS INTENSITY:cd									UNI	r:1m	
						•						

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:64%

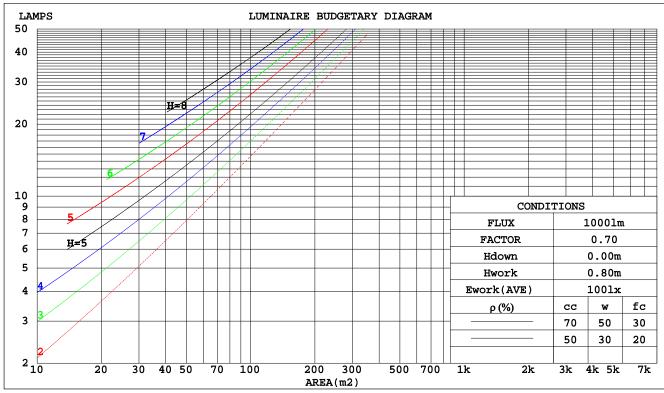
Test Distance: 6.810m [K=0.8223]



CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: x-Glo-24-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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:R	om Cav	ity Rat	io		Coe	fficier	ts of	Utiliza	tion(C	U)					
0.0	1.09	1.09	1.09	1.07	1.07	1.07	1.02	1.02	1.02	.98	.98	.98	.94	.94	.94	.92
1.0	.96	.93	.90	.94	.91	.88	.91	.88	.85	.87	.85	.83	.84	.82	.80	.78
2.0	.85	.79	.74	.83	.78	.73	.80	.75	.71	.77	.73	.70	.74	.71	.68	.66
3.0	.75	.68	.62	.73	.67	.62	.71	.65	.60	.68	.63	.59	.66	.62	.58	.56
4.0	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.51	.59	.54	.51	.49
5.0	.60	.52	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.53	.48	.44	.42
6.0	.54	.46	.40	.53	.46	.40	.51	.45	.40	.50	.44	.39	.48	.43	.39	.37
7.0	.49	.41	.36	.48	.41	.36	.47	.40	.35	.46	.39	.35	.44	.39	.35	.33
8.0	.45	.37	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.41	.35	.31	.29
9.0	.41	.34	.29	.41	.33	. 29	.40	.33	.28	.39	.33	.28	.38	.32	.28	.27
10.0	.38	.31	.26	.37	.31	.26	.37	.30	.26	.36	.30	.26	.35	.30	.26	.24



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:64%

Test Distance: 6.810m [K=0.8223]



WEC AND CCEC

NAME: x-Glo-24-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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:R	oom C	avity	Ratio				Wall	Exitar	nce Co	effci	ents(W	EC)			
0.0																
1.0	.261	.148	.047	.254	.145	.046	.242	.139	.044	.231	.133	.043	.221	.128	.041	
2.0	.250	.137	.042	.244	.134	.041	.234	.130	.040	.224	.126	.039	.215	.122	.038	
3.0	.234	.124	.037	.229	.123	.037	.220	.119	.036	.211	.116	.035	.203	.112	.035	
4.0	.218	.113	.033	.213	.112	.033	.205	.109	.032	.197	.106	.032	.190	.103	.032	
5.0	.203	.103	.030	.199	.102	.030	.192	.100	.029	.185	.097	.029	.178	.095	.029	
6.0	.189	.095	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.177	.087	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.157	.082	.024	
8.0	.166	.081	.023	.163	.080	.023	.158	.079	.022	.153	.077	.022	.148	.076	.022	
9.0	.156	.075	.021	.153	.075	.021	.149	.073	.021	.144	.072	.021	.140	.071	.021	
10.0	.147	.070	.020	.145	.070	.019	.140	.069	.019	.136	.068	.019	.133	.067	.019	

ραα		80%			70%			50%			30%			10%		0
ρ w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ£c		20%			20%			20%			20%			20%		C
RCR	RCR:R	oom C	avity	Ratio		C	Ceilin	g Cav	ity Ex	itanc	e Coef	ficie	nts(CC	CEC)		
0.0	.175	.175	.175	.149	.149	.149	.102	.102	.102	.059	.059	.059	.019	.019	.019	
1.0	.164	.143	.125	.140	.123	.108	.096	.085	.074	.055	.049	.043	.018	.016	.014	
2.0	.156	.121	.092	.133	.104	.080	.091	.072	.055	.053	.042	.033	.017	.014	.011	
3.0	.148	.105	.070	.127	.090	.061	.087	.063	.043	.050	.037	.025	.016	.012	.008	
4.0	.141	.092	.055	.121	.080	.048	.083	.056	.034	.048	.033	.020	.016	.011	.007	
5.0	.135	.083	.045	.116	.072	.039	.080	.050	.027	.046	.029	.016	.015	.010	.005	
6.0	.128	.075	.037	.110	.065	.032	.076	.045	.023	.044	.027	.014	.014	.009	.004	
7.0	.122	.069	.031	.105	.060	.027	.073	.042	.019	.042	.025	.011	.014	.008	.004	
8.0	.116	.063	.027	.100	.055	.023	.069	.039	.017	.040	.023	.010	.013	.007	.003	
9.0	.111	.059	.024	.096	.051	.021	.066	.036	.015	.039	.021	.009	.012	.007	.003	
10.0	.106	.055	.021	.091	.048	.018	.063	.034	.013	.037	.020	.008	.012	.007	.003	

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:64%

Test Distance: 6.810m [K=0.8223]



Uncorrected UGR Table

NAME: x-Glo-2		TYPE:			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	
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							Vi	ewed endwi	se		
x = 2H y = 2H	12.2	13.6	12.4	13.8	14.0	12.5	14.0	12.8	14.2	14.4	
3н	13.1	14.4	13.4	14.6	14.9	13.5	14.9	13.8	15.1	15.3	
4н	13.3	14.6	13.6	14.9	15.1	13.9	15.1	14.2	15.4	15.6	
6н	13.5	14.7	13.8	14.9	15.2	14.0	15.2	14.3	15.5	15.8	
8н	13.5	14.7	13.8	14.9	15.2	14.0	15.2	14.4	15.5	15.8	
12Н	13.5	14.6	13.9	14.9	15.2	14.0	15.1	14.4	15.4	15.7	
4н 2н	12.6	13.9	12.9	14.2	14.4	12.9	14.2	13.3	14.5	14.7	
3н	13.7	14.8	14.1	15.1	15.4	14.1	15.2	14.5	15.5	15.8	
4н	14.1	15.1	14.4	15.4	15.7	14.5	15.5	14.9	15.9	16.2	
6н	14.3	15.2	14.7	15.5	15.9	14.8	15.7	15.2	16.0	16.4	
8н	14.4	15.2	14.8	15.6	15.9	14.8	15.7	15.2	16.0	16.4	
12н	14.4	15.2	14.8	15.5	15.9	14.8	15.6	15.3	16.0	16.4	
011 411	14.2	15 1	14.6	15 4	15.0	14.6	15 5	15 1	15.0	16.0	
8H 4H		15.1	14.6	15.4	15.8	14.6	15.5	15.1	15.8	16.2	
6н	14.6	15.2	15.0	15.6	16.1	15.0	15.7	15.4	16.1	16.5	
8H	14.7	15.3	15.1	15.7	16.1	15.1	15.7	15.6	16.2	16.6	
12н	14.8	15.3	15.2	15.7	16.2	15.2	15.7	15.6	16.1	16.6	
12H 4H	14.2	15.0	14.6	15.4	15.8	14.6	15.4	15.1	15.8	16.2	
6н	14.6	15.2	15.0	15.6	16.1	15.0	15.6	15.5	16.1	16.5	
8н	14.7	15.2	15.2	15.7	16.2	15.2	15.7	15.6	16.1	16.6	
Variations with	the obser	ver posi	tion at s	spacings	:						
S = 1.0H	. 4		+ 0.2 / - 0.3								
1.5н		+ 0	.2 / - 0	. 4		+ 0.2 / - 0.4					
2.0н		+ 0	.5 / - 0	. 6		+ 0.5 / - 0.4					

CIE Pub.117 Corrected 400.0 lm Total Lamp Luminous Flux.($8\log(F/F0) = -3.2$)

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

Temperature: 28.5DEG

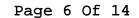
Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257

Humidity:64%

Test Distance: 6.810m [K=0.8223]





UTILIZATION FACTORS TABLE

NAME: x-Glo-24-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

			REFLEC	TANCE					
0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
	יט	rilization	FACTORS (P	ERCENT) P	(RI) x RCR	= 5			•
55	44	38	54	44	38	53	44	38	32
64	54	48	63	54	47	62	53	47	41
72	62	56	71	62	56	69	63	55	49
78	69	63	77	69	63	75	67	62	56
83	74	68	81	74	68	79	72	67	60
89	82	76	87	81	75	84	79	74	67
92	86	81	90	84	80	87	82	78	71
95	89	85	93	88	84	90	85	82	74
99	94	90	96	92	89	93	89	86	78
101	96	93	98	95	92	94	91	89	81
UF(total)									Direc
	0.7 0.2 55 64 72 78 83 89 92 95 99	0.7 0.5 0.2 0.2 U 55 44 64 54 72 62 78 69 83 74 89 82 92 86 95 89 99 94	0.7 0.5 0.3 0.2 0.2 0.2 UTILIZATION 55 44 38 64 54 48 72 62 56 78 69 63 83 74 68 89 82 76 92 86 81 95 89 85 99 94 90	0.8 0.8 0.8 0.7 0.7 0.5 0.3 0.7 0.2 0.2 0.2 0.2 UTILIZATION FACTORS (P. 12) 55 44 38 54 64 54 48 63 72 62 56 71 78 69 63 77 83 74 68 81 89 82 76 87 92 86 81 90 95 89 85 93 99 94 90 96 101 96 93 98	0.7 0.5 0.3 0.7 0.5 0.2 0.2 0.2 0.2 0.2 UTILIZATION FACTORS (PERCENT) 1 55 44 38 54 44 64 54 48 63 54 72 62 56 71 62 78 69 63 77 69 83 74 68 81 74 89 82 76 87 81 92 86 81 90 84 95 89 85 93 88 99 94 90 96 92 101 96 93 98 95	0.8 0.8 0.8 0.7 0.7 0.7 0.7 0.5 0.3 0.7 0.5 0.3 0.2 0.2 0.2 0.2 0.2 UTILIZATION FACTORS(PERCENT) k(RI) x RCR 55 44 38 54 44 38 64 54 48 63 54 47 72 62 56 71 62 56 78 69 63 77 69 63 83 74 68 81 74 68 89 82 76 87 81 75 92 86 81 90 84 80 95 89 85 93 88 84 99 94 90 96 92 89 101 96 93 98 95 92	0.8 0.8 0.8 0.7 0.7 0.7 0.5 0.7 0.5 0.3 0.7 0.5 0.3 0.7 0.2 0.2 0.2 0.2 0.2 0.2 UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 55 44 38 54 44 38 53 64 54 48 63 54 47 62 72 62 56 71 62 56 69 78 69 63 77 69 63 75 83 74 68 81 74 68 79 89 82 76 87 81 75 84 92 86 81 90 84 80 87 95 89 85 93 88 84 90 99 94 90 96 92 89 93 101 96 93 98 95 92 94	0.8 0.8 0.7 0.7 0.7 0.5 0.5 0.7 0.5 0.3 0.7 0.5 0.3 0.7 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5 55 44 38 54 44 38 53 44 64 54 48 63 54 47 62 53 72 62 56 71 62 56 69 63 78 69 63 75 67 83 74 68 81 74 68 79 72 89 82 76 87 81 75 84 79 92 86 81 90 84 80 87 82 95 89 85 93 88 84 90 85 99 94 90 96 92 89 93 89 1	0.8 0.8 0.8 0.7 0.7 0.7 0.5 0.5 0.5 0.7 0.5 0.3 0.7 0.5 0.3 0.7 0.5 0.3 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 55 44 38 54 44 38 53 44 38 64 54 48 63 54 47 62 53 47 72 62 56 71 62 56 69 63 55 78 69 63 75 67 62 83 74 68 81 74 68 79 72 67 89 82 76 87 81 75 84 79 74 92 86 81 90 84 80 87 82

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

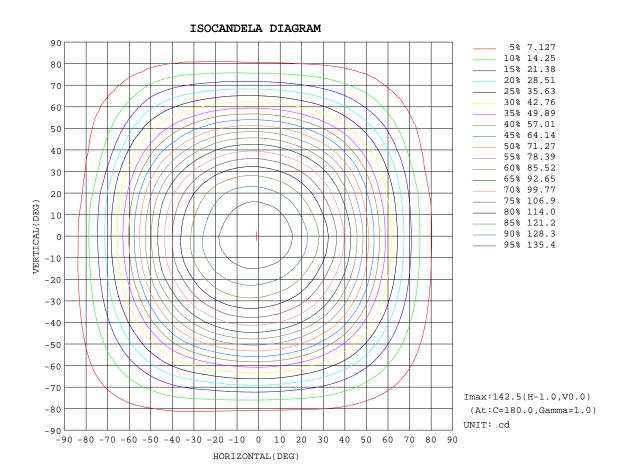
Humidity:64%

Test Distance: 6.810m [K=0.8223]



ISOCANDELA DIAGRAM

NAME: x-Glo-24-36v	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

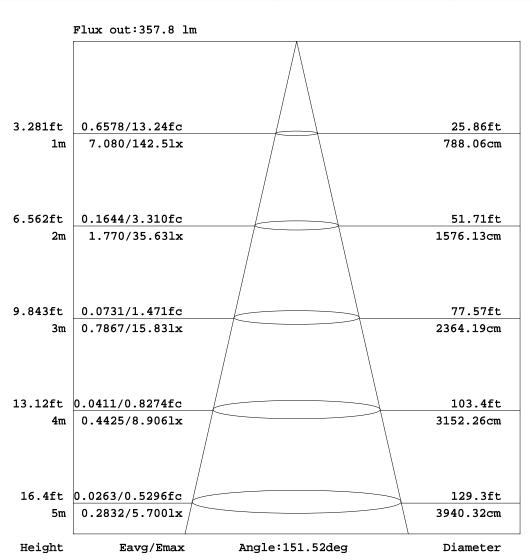
Humidity:64%

Test Distance: 6.810m [K=0.8223]



AAI Figure

NAME: x-Glo-24-36v	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

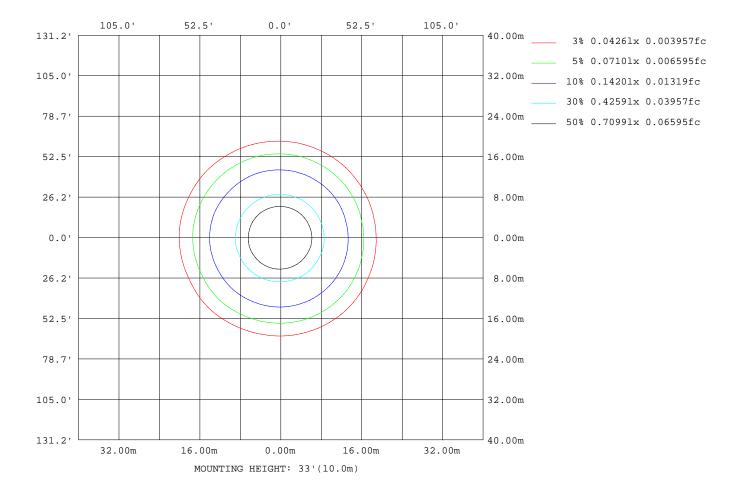
Humidity:64%

Test Distance: 6.810m [K=0.8223]



ISOLUX DIAGRAM

NAME: x-Glo-24-36v	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:64%

Test Distance: 6.810m [K=0.8223]



Average Luminance Table (CIBSE)

NAME: x-Glo-24-36v	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	400	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 (d	deg)									
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	867	884	896	912	925	929	942	949	960	968	975	981	997	1015	1024	1024	1034	1044	1042
60	775	789	800	814	833	843	853	857	863	869	874	888	906	931	942	940	946	956	966
65	669	684	694	708	731	739	744	746	755	761	766	778	801	830	845	841	841	864	877
70	561	573	581	595	617	628	635	632	635	637	645	661	689	723	735	733	735	757	772
75	450	461	469	487	507	524	531	518	517	519	529	546	584	619	635	635	632	649	666
80	357	365	375	394	413	434	433	406	388	384	404	440	493	536	550	558	558	571	591
85	333	316	323	339	367	379	333	243	190	170	201	274	400	495	515	550	535	559	581

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

CIBSE	Gamma	Average	Luminance	Patch Luminance					
Category	(deg)	maximum	specified	maximum	specified				
		calculated	maximum	measured	maximum				
Category 1	55 to 90	1044	200		500				
Category 2	65 to 90	877	200		500				
Category 3	75 to 90	666	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: 28.5DEG

Operators:

Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257

Humidity:64%

Test Distance: 6.810m [K=0.8223]



LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-24-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

0 1	0	5																	
0 1		5																	
			10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
_ 4	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
5 1	142	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
10 1	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139
15 1	136	136	136	136	136	136	136	136	136	136	135	135	135	135	135	135	135	135	135
20 1	132	131	131	131	131	131	131	131	131	131	130	130	130	130	130	130	131	131	131
25 1	126	125	125	125	125	125	125	124	124	124	124	124	124	124	125	125	125	125	125
30 1	118	118	118	118	117	117	117	117	117	117	117	117	118	118	118	118	118	119	119
35 1	109	109	109	109	108	108	108	108	109	109	109	110	110	110	110	110	111	111	112
40 99	9.0	99.0	99.0	98.8	98.5	98.5	98.6	98.9	99.4	99.9	100	100	101	101	101	101	102	102	103
45 87	7.2	87.4	87.7	87.5	87.7	87.7	88.0	88.7	88.8	89.1	89.3	89.7	89.8	90.0	90.3	90.7	91.0	91.3	91.8
50 74	4.1	74.3	74.7	74.9	75.2	75.6	76.1	76.4	76.8	77.1	77.2	77.5	77.8	78.0	78.3	78.7	79.1	79.5	79.9
55 59	9.7	60.3	60.8	61.0	61.7	62.0	62.7	62.9	63.7	63.9	63.9	64.0	64.8	65.1	65.3	65.7	66.0	66.3	66.6
60 46	6.5	46.9	47.3	47.7	48.0	48.4	48.9	49.7	50.0	50.2	50.6	50.9	51.2	51.4	51.4	51.6	51.8	52.0	52.1
65 33	3.9	34.3	34.7	34.9	35.2	35.3	35.9	36.4	37.1	37.4	37.5	37.5	37.7	37.8	37.9	38.0	38.3	38.4	38.6
70 23	3.0	23.2	23.5	23.7	23.8	24.0	24.4	24.9	25.3	25.6	25.8	25.9	26.0	26.0	25.9	26.0	26.1	26.1	26.2
75 14	4.0	14.1	14.3	14.4	14.6	14.8	15.1	15.4	15.8	16.0	16.3	16.5	16.5	16.3	16.1	16.0	16.1	16.1	16.1
80 7	.45	7.50	7.61	7.68	7.81	8.02	8.21	8.44	8.61	8.82	9.05	9.13	9.01	8.76	8.46	8.23	8.08	8.01	8.00
85 3	3.49	3.36	3.30	3.31	3.38	3.51	3.55	3.72	3.84	3.92	3.96	3.92	3.48	2.97	2.54	2.21	1.99	1.84	1.78
90 2	.31	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:64%

Test Distance:6.810m [K=0.8223]



Page 12 Of 14

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-24-36v	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	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
5	141	141	141	141	141	141	141	141	141	141	141	142	142	142	142	142	142	142	142
10	139	139	139	139	139	139	139	139	140	140	140	140	140	140	140	140	140	141	140
15	136	136	136	136	136	136	136	137	137	137	137	137	137	137	138	138	138	138	138
20	131	132	132	132	132	132	133	133	133	133	134	134	134	134	134	134	134	134	134
25	126	126	127	127	127	128	128	128	128	129	129	129	129	130	130	130	130	129	129
30	120	120	120	121	121	121	122	122	122	123	123	123	124	124	124	124	124	123	123
35	112	112	113	113	113	114	114	114	115	115	115	115	116	116	117	117	116	116	116
40	103	103	104	104	104	105	105	105	106	106	106	106	106	107	107	108	107	107	107
45	92.2	92.5	92.9	93.2	93.6	93.9	94.2	94.5	94.9	95.2	95.5	95.6	95.9	96.6	97.3	97.2	96.8	96.6	96.6
50	80.2	80.5	80.8	81.1	81.5	82.0	82.4	82.7	83.1	83.3	83.6	83.6	84.1	84.7	85.1	85.0	85.0	84.8	84.9
55	66.8	67.1	67.5	67.5	68.0	68.7	69.4	69.9	70.3	70.5	70.5	70.5	70.6	71.2	71.5	71.8	71.9	71.7	71.8
60	52.3	52.5	52.9	53.3	53.7	54.3	55.1	55.9	56.6	56.5	56.3	56.4	56.3	56.7	57.0	57.4	57.7	58.0	57.8
65	38.7	38.8	39.2	39.5	40.0	40.6	41.3	42.1	42.7	42.9	43.0	42.6	42.6	42.7	43.4	43.8	44.2	44.5	44.4
70	26.2	26.5	26.8	27.1	27.6	28.3	29.0	29.7	30.1	30.2	30.2	30.1	30.0	30.2	30.5	31.1	31.4	31.7	31.7
75	16.2	16.4	16.7	17.0	17.4	18.1	18.8	19.2	19.5	19.7	19.7	19.7	19.6	19.6	19.7	20.2	20.4	20.7	20.3
80	8.10	8.41	8.78	9.16	9.66	10.3	10.8	11.2	11.3	11.5	11.6	11.6	11.7	11.6	11.7	11.9	12.2	12.3	9.60
85	1.87	2.10	2.43	2.86	3.47	4.18	4.84	5.18	5.22	5.38	5.58	5.75	5.74	5.59	5.61	5.85	6.00	6.08	4.75
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	1.99	0.00

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

Temperature: 28.5DEG

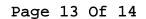
Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257

Humidity:64%

Test Distance: 6.810m [K=0.8223]



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NAME: x-Glo-24-36v	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	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142
5	142	142	142	142	142	142	142	141	141	141	141	141	141	141	141	141	141	141	141
10	140	140	140	140	140	140	140	140	139	139	140	140	140	140	140	139	139	139	139
15	137	137	137	137	137	137	137	137	137	137	137	137	136	136	136	136	136	136	136
20	133	133	133	133	133	133	133	133	133	133	133	133	132	132	132	132	132	131	131
25	128	128	128	128	128	128	128	128	128	128	128	127	127	127	126	126	125	125	125
30	123	122	122	122	122	122	122	122	122	121	121	120	120	119	119	118	118	117	117
35	115	115	115	115	115	114	114	113	113	112	111	111	110	110	109	109	109	108	108
40	107	106	106	106	105	105	104	103	102	102	101	101	100	99.7	99.3	98.9	98.5	97.9	97.4
45	96.5	96.3	95.8	95.1	94.3	93.3	92.3	91.5	90.7	90.1	89.7	89.2	88.6	88.1	87.6	87.2	86.9	86.5	86.1
50	84.7	84.5	83.9	83.2	82.0	81.0	79.9	79.0	78.4	77.9	77.4	77.0	76.5	76.0	75.4	74.9	74.5	74.1	73.8
55	71.7	71.3	70.8	69.8	68.9	67.9	66.8	66.4	65.8	65.3	64.7	64.2	63.6	62.9	62.2	61.7	61.3	60.9	60.6
60	57.4	57.0	56.5	55.7	55.3	54.5	54.1	53.6	52.7	51.9	51.3	50.8	50.2	49.6	49.0	48.4	48.1	47.8	47.6
65	44.1	43.5	42.9	42.6	42.2	42.0	41.4	40.8	40.1	39.3	38.6	38.1	37.6	37.1	36.5	36.0	35.7	35.5	35.3
70	31.2	29.5	29.0	29.0	29.5	29.9	29.6	29.3	28.8	28.1	27.4	26.7	26.2	25.8	25.2	24.7	24.4	24.2	24.2
75	17.3	16.9	17.1	17.3	17.9	18.8	19.2	19.0	18.7	18.2	17.7	17.0	16.5	16.2	15.8	15.3	15.1	15.1	15.0
80	8.91	8.93	9.05	9.27	9.57	9.99	10.6	10.6	10.5	10.2	9.72	9.21	8.77	8.42	8.08	7.78	7.58	7.57	7.65
85	4.00	3.71	3.71	3.66	4.13	3.46	4.13	4.36	4.62	4.49	3.71	3.29	2.87	2.47	2.18	1.99	1.89	1.90	2.02
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

Operators: Test Date:

γ Range: 0 - 90DEG

γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257

Humidity:64%

Test Distance: 6.810m [K=0.8223]



LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-24-36v	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	142	142	142	142	142	142	142	142	142	142	142	142	142	142	142			
5	141	141	141	141	141	141	141	141	141	141	141	141	141	141	142			
10	139	139	139	139	139	139	139	139	139	139	139	139	139	139	139			
15	136	136	136	136	135	135	136	136	135	135	135	135	136	136	136			
20	131	131	131	130	130	130	130	130	130	130	130	130	131	131	131			
25	124	124	124	124	124	124	124	124	124	124	124	124	124	125	125			
30	117	117	116	116	116	116	116	116	116	116	116	116	117	117	118			
35	108	107	107	108	108	107	107	107	107	107	107	107	108	108	109			
40	97.1	96.9	96.9	97.0	97.1	97.2	97.5	97.3	97.1	97.0	97.0	96.9	97.1	97.7	98.4			
45	85.8	85.5	85.2	85.3	85.5	85.6	85.7	85.8	86.1	85.7	85.6	85.5	85.5	86.2	86.6			
50	73.6	73.2	72.9	72.6	72.8	73.0	73.3	73.3	73.3	73.4	73.2	72.9	72.8	73.1	73.6			
55	60.3	60.0	59.9	59.6	59.7	59.8	59.9	59.9	59.6	59.8	59.5	59.5	59.1	59.5	59.7			
60	47.3	46.9	46.8	46.7	46.7	46.6	46.6	46.5	46.5	46.2	46.4	46.2	46.2	46.2	46.3			
65	34.9	34.7	34.6	34.7	34.5	34.4	34.2	33.9	33.8	33.9	33.8	34.0	33.9	33.9	33.8			
70	24.0	23.9	24.0	24.0	23.9	23.8	23.5	23.1	22.9	22.9	23.0	22.6	22.9	22.9	22.9			
75	15.0	15.0	15.0	15.1	15.0	14.8	14.5	14.3	14.0	13.4	12.8	12.5	12.3	12.6	14.0			
80	7.74	7.82	7.94	8.03	8.04	7.93	7.72	7.59	7.27	6.73	6.58	6.38	6.16	6.17	6.18			
85	2.24	2.54	2.91	3.35	3.74	3.77	3.73	3.61	3.25	2.91	2.82	2.54	2.64	2.83	2.91			
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	1	I												1			

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:64%

Test Distance: 6.810m [K=0.8223]