LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA	Eff: 75.28 lm/W		
MODEL	5050	Imax(cd)	72.31	S/MH(C0/180)	1.19
NOMINAL POWER(W)	2.45	LOR(%)	92.2	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	36	TOTAL FLUX(lm)	184.43	η UP,DN(C0-180)	0.0,47.2
NOMINAL FLUX(lm)	200	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,45.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	36	η down(%)	92.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

UNIT:cd
- C0/180
- C30/210
- C60/240
- C90/270
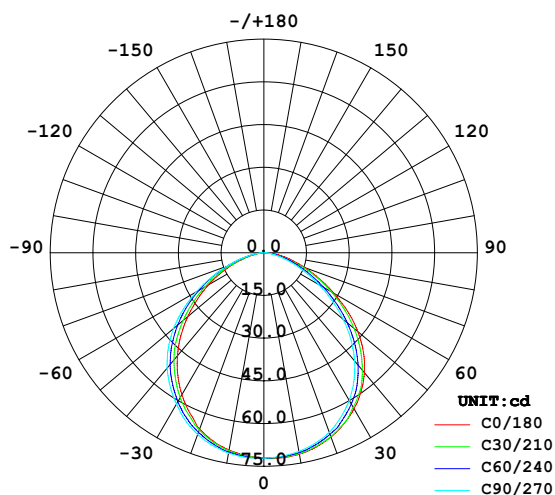
C0 PLANE ISOLUX DIAGRAM (UNIT:lx)
MH(m)
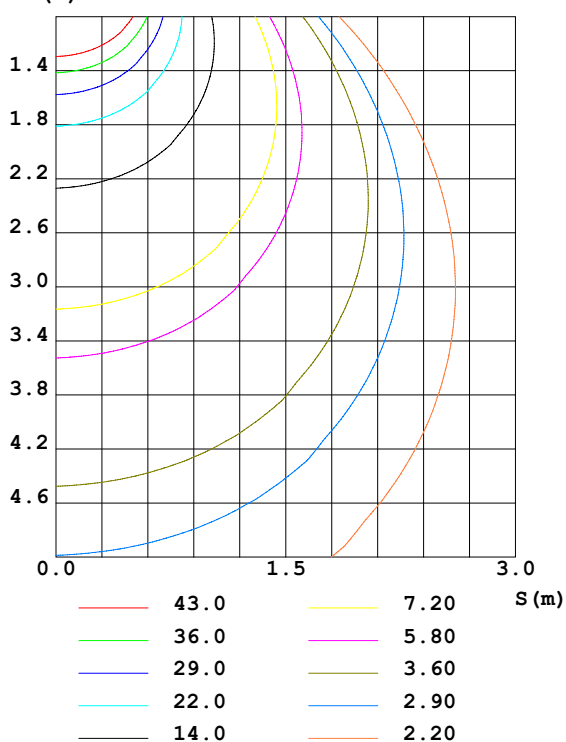
- 43.0
- 36.0
- 29.0
- 22.0
- 14.0
- 7.20
- 5.80
- 3.60
- 2.90
- 2.20

S(m)

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]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φcone	Φtotal	%lum,lamp
5	71.48	71.74	72.12	72.30	72.30	72.01	71.70	71.41	0- 5	1.721	1.721	0.93,0.86
10	70.34	70.80	71.46	71.70	71.82	71.43	70.88	70.31	5- 10	5.114	6.835	3.71,3.42
15	68.51	69.17	69.97	70.28	70.67	70.21	69.30	68.61	10- 15	8.345	15.18	8.23,7.59
20	65.88	66.60	67.96	68.27	68.86	68.32	67.25	66.07	15- 20	11.29	26.47	14.4,13.2
25	61.83	63.17	65.08	65.82	66.38	65.85	63.82	62.67	20- 25	13.82	40.29	21.8,20.1
30	57.53	59.56	61.37	62.68	63.31	62.44	60.01	58.55	25- 30	15.82	56.11	30.4,28.1
35	52.65	55.45	57.37	58.74	59.53	58.02	55.12	53.76	30- 35	17.24	73.35	39.8,36.7
40	47.24	50.32	52.88	54.39	54.94	52.79	49.61	48.32	35- 40	17.97	91.32	49.5,45.7
45	41.24	44.60	47.48	49.16	49.46	46.65	43.31	42.16	40- 45	17.94	109.3	59.2,54.6
50	34.86	38.53	41.49	43.21	43.09	40.03	36.44	35.57	45- 50	17.12	126.4	68.5,63.2
55	28.45	32.10	34.50	36.61	35.96	33.01	29.19	28.72	50- 55	15.52	141.9	76.9,70.9
60	22.33	25.51	27.27	29.56	28.33	25.98	22.14	22.18	55- 60	13.31	155.2	84.2,77.6
65	16.40	18.96	20.16	22.68	21.41	19.35	16.03	16.25	60- 65	10.73	165.9	90,83
70	10.84	12.85	13.67	16.38	15.30	13.63	10.68	11.10	65- 70	8.036	174.0	94.3,87
75	6.277	7.543	8.398	10.84	10.15	8.807	6.557	6.732	70- 75	5.437	179.4	97.3,89.7
80	2.869	3.582	3.978	6.361	6.261	4.972	3.146	3.446	75- 80	3.209	182.6	99,91.3
85	1.334	1.348	0.7795	2.717	3.213	2.055	0.7386	1.516	80- 85	1.535	184.1	99.8,92.1
90	1.110	0	0	0	0.8879	0	0	0	85- 90	0.2837	184.4	100,92.2
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							UNIT:lm	

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: x-Glo-12-36v			TYPE:			WEIGHT:		
DIM.:			SPEC.:			SERIAL No.:		
MFR.:			SUR.:			PROTECTION ANGLE:		

ρcc	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:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.10	1.10	1.10	1.07	1.07	1.07	1.02	1.02	1.02	.98	.98	.98	.94	.94	.94	.92
1.0	.97	.94	.90	.95	.92	.89	.91	.88	.86	.88	.85	.83	.84	.83	.81	.79
2.0	.85	.80	.75	.84	.78	.74	.81	.76	.72	.78	.74	.70	.75	.72	.69	.67
3.0	.76	.68	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.67	.63	.59	.57
4.0	.67	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.60	.55	.51	.49
5.0	.60	.52	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.54	.49	.45	.43
6.0	.54	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
7.0	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.36	.45	.39	.35	.33
8.0	.45	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30
9.0	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.38	.33	.29	.27
10.0	.38	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.35	.30	.26	.25
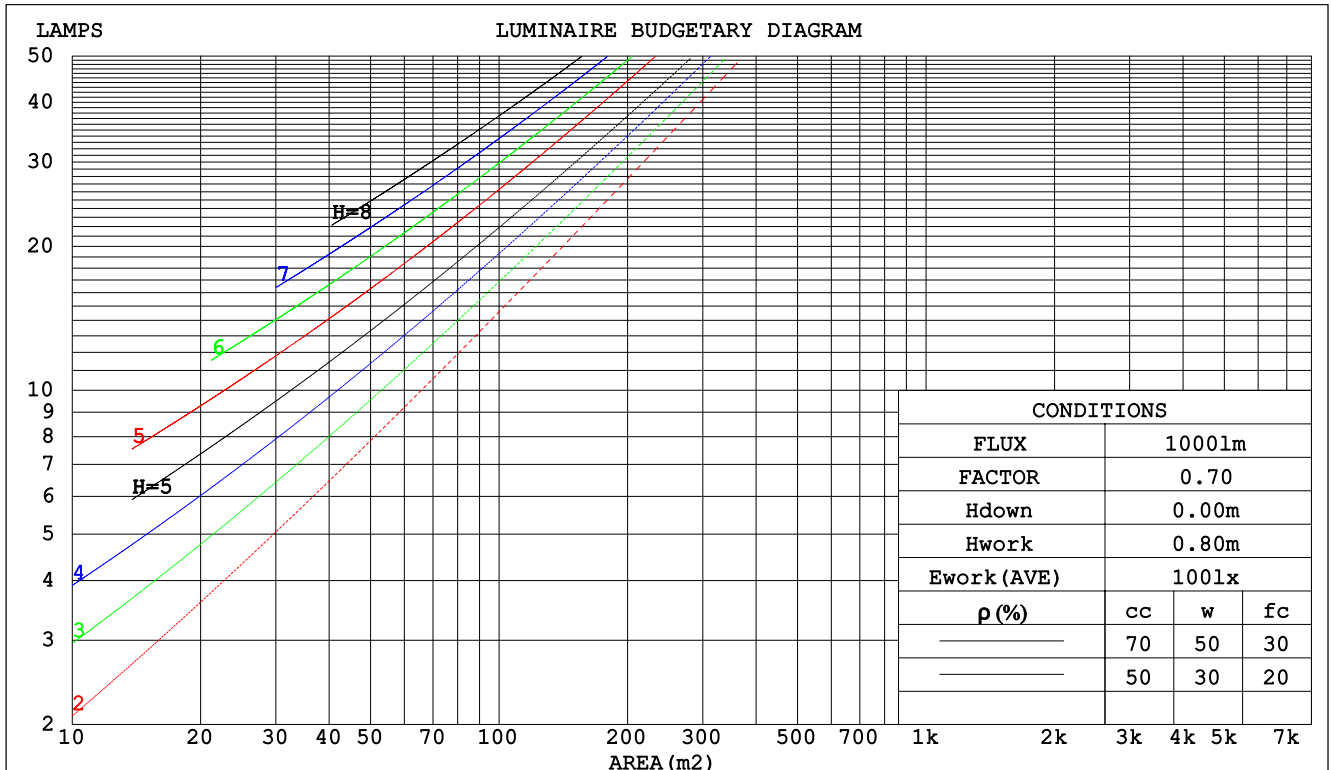
LUMINAIRE BUDGETARY DIAGRAM

CONDITIONS			
FLUX	1000lm		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.80m		
Ework(AVE)	100lx		
ρ(%)	cc	w	fc
	70	50	30
	50	30	20

AREA(m2)

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

WEC AND CCEC

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	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:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.260	.148	.047	.253	.145	.046	.241	.138	.044	.230	.133	.043	.220	.127	.041	
2.0	.249	.137	.042	.244	.134	.041	.233	.130	.040	.223	.125	.039	.214	.121	.038	
3.0	.234	.124	.037	.229	.122	.037	.219	.119	.036	.211	.115	.035	.203	.112	.035	
4.0	.218	.113	.033	.213	.112	.033	.205	.109	.032	.197	.106	.032	.190	.103	.031	
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	.088	.025	.174	.087	.025	.168	.085	.024	.163	.083	.024	.157	.082	.024	
8.0	.166	.081	.023	.163	.080	.023	.158	.079	.023	.153	.078	.022	.148	.076	.022	
9.0	.156	.075	.021	.154	.075	.021	.149	.074	.021	.144	.072	.021	.140	.071	.021	
10.0	.147	.071	.020	.145	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.019	

ρcc	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:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.176	.176	.176	.150	.150	.150	.102	.102	.102	.059	.059	.059	.019	.019	.019	
1.0	.164	.144	.126	.141	.124	.108	.096	.085	.075	.055	.049	.044	.018	.016	.014	
2.0	.156	.122	.093	.134	.105	.080	.092	.073	.056	.053	.042	.033	.017	.014	.011	
3.0	.149	.105	.071	.127	.091	.061	.088	.063	.043	.051	.037	.025	.016	.012	.008	
4.0	.142	.093	.056	.122	.080	.048	.084	.056	.034	.048	.033	.020	.016	.011	.007	
5.0	.135	.083	.045	.116	.072	.039	.080	.050	.028	.046	.030	.016	.015	.010	.005	
6.0	.129	.075	.037	.110	.065	.032	.076	.046	.023	.044	.027	.014	.014	.009	.005	
7.0	.122	.069	.031	.105	.060	.027	.073	.042	.019	.042	.025	.012	.014	.008	.004	
8.0	.117	.064	.027	.100	.055	.024	.070	.039	.017	.040	.023	.010	.013	.007	.003	
9.0	.111	.059	.024	.096	.051	.021	.066	.036	.015	.039	.021	.009	.013	.007	.003	
10.0	.106	.055	.021	.092	.048	.018	.064	.034	.013	.037	.020	.008	.012	.007	.003	

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

Uncorrected UGR Table

NAME: x-Glo-12-36v	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					Viewed endwise				
x = 2H y = 2H	9.5	10.9	9.7	11.1	11.3	10.3	11.8	10.6	12.0	12.2
3H	10.4	11.7	10.7	11.9	12.2	11.4	12.7	11.6	12.9	13.2
4H	10.6	11.9	10.9	12.1	12.4	11.7	12.9	12.0	13.2	13.4
6H	10.7	11.9	11.0	12.1	12.4	11.8	13.0	12.1	13.3	13.5
8H	10.7	11.8	11.0	12.1	12.4	11.8	13.0	12.2	13.2	13.5
12H	10.6	11.7	11.0	12.0	12.3	11.8	12.9	12.1	13.2	13.5
4H 2H	10.0	11.3	10.3	11.6	11.8	10.7	12.0	11.0	12.2	12.5
3H	11.1	12.2	11.4	12.5	12.8	11.9	13.0	12.3	13.3	13.6
4H	11.4	12.4	11.7	12.7	13.0	12.3	13.3	12.7	13.6	14.0
6H	11.5	12.4	11.9	12.7	13.1	12.6	13.4	12.9	13.8	14.2
8H	11.5	12.3	11.9	12.7	13.1	12.6	13.4	13.0	13.8	14.2
12H	11.5	12.3	11.9	12.6	13.0	12.6	13.3	13.0	13.7	14.1
8H 4H	11.5	12.3	11.9	12.7	13.1	12.4	13.2	12.8	13.6	14.0
6H	11.7	12.4	12.2	12.8	13.2	12.7	13.4	13.2	13.8	14.2
8H	11.8	12.4	12.2	12.8	13.2	12.8	13.4	13.3	13.8	14.3
12H	11.8	12.3	12.3	12.7	13.2	12.8	13.3	13.3	13.8	14.3
12H 4H	11.5	12.3	11.9	12.6	13.0	12.4	13.1	12.8	13.5	13.9
6H	11.7	12.3	12.2	12.7	13.2	12.7	13.3	13.2	13.7	14.2
8H	11.8	12.3	12.3	12.7	13.2	12.8	13.3	13.3	13.8	14.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.6					+ 0.5 / - 0.5				

CIE Pub.117 Corrected 200.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.6)

C Range: 0 - 360DEG γ Range: 0 - 90DEG
C Interval: 5.0DEG γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

UTILIZATION FACTORS TABLE

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	55	45	39	55	45	39	54	44	39	33
0.80	65	55	48	64	54	48	62	54	48	42
1.00	73	63	57	72	63	57	70	64	56	50
1.25	79	70	64	78	70	64	76	68	63	57
1.50	84	75	69	82	74	69	79	73	68	61
2.00	90	82	77	88	81	76	85	79	75	68
2.50	93	86	81	91	85	80	88	83	79	71
3.00	96	90	85	94	89	84	90	86	82	75
4.00	99	94	91	97	93	89	93	90	87	79
5.00	101	97	94	99	95	92	95	92	89	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004	Suspended								SHRNOM = 1.25	

ISOCANDELA DIAGRAM

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:
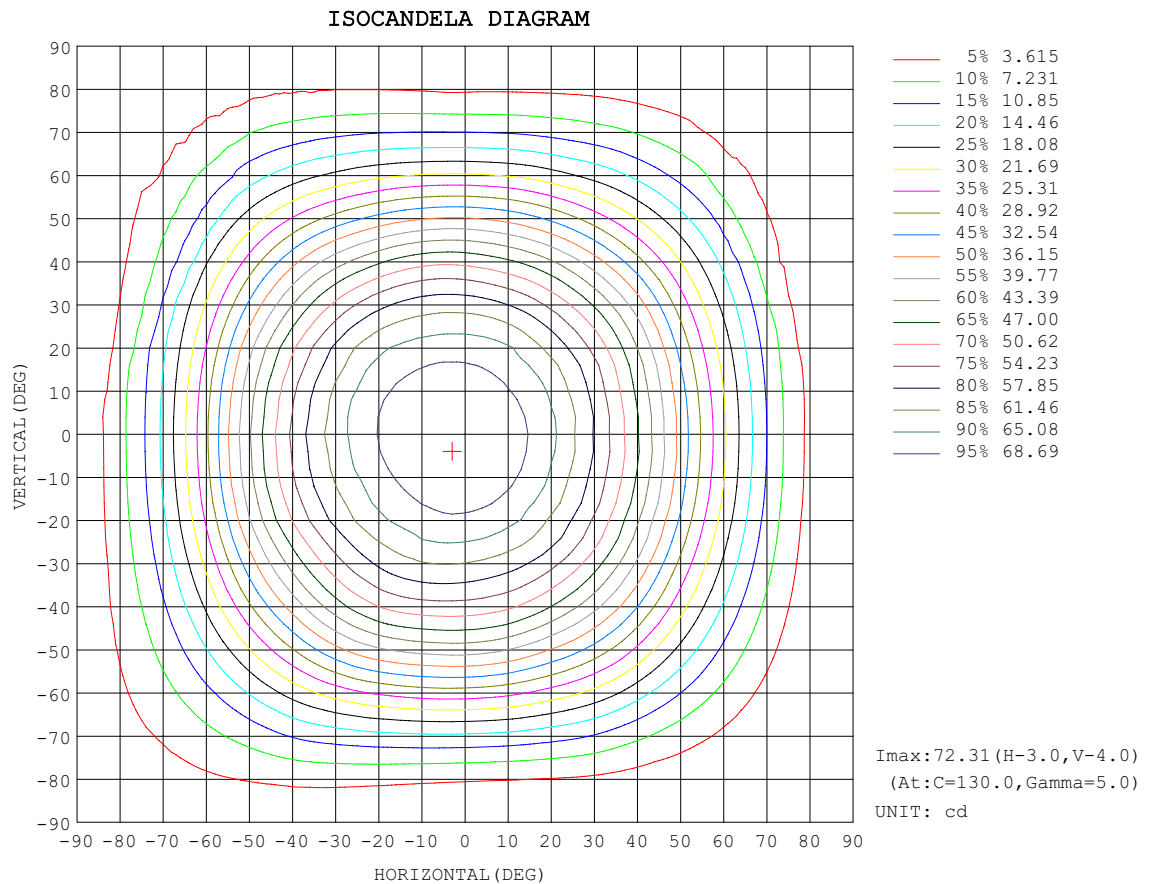
ISOCANDELA DIAGRAM

Legend:
- 5% 3.615
- 10% 7.231
- 15% 10.85
- 20% 14.46
- 25% 18.08
- 30% 21.69
- 35% 25.31
- 40% 28.92
- 45% 32.54
- 50% 36.15
- 55% 39.77
- 60% 43.39
- 65% 47.00
- 70% 50.62
- 75% 54.23
- 80% 57.85
- 85% 61.46
- 90% 65.08
- 95% 68.69

Imax:72.31(H-3.0,V-4.0)
(At:C=130.0,Gamma=5.0)
UNIT: cd

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

AAI Figure

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:179.8 lm

Height		Eavg/Emax		Diameter
3.281ft		0.3557/6.706fc		24.84ft
1m		3.828/72.18lx		757.22cm
6.562ft		0.0889/1.676fc		49.69ft
2m		0.9571/18.05lx		1514.45cm
9.843ft		0.0395/0.7451fc		74.53ft
3m		0.4254/8.020lx		2271.67cm
13.12ft		0.0222/0.4191fc		99.37ft
4m		0.2393/4.511lx		3028.90cm
16.4ft		0.0142/0.2682fc		124.2ft
5m		0.1531/2.887lx		3786.12cm

Angle:150.41deg
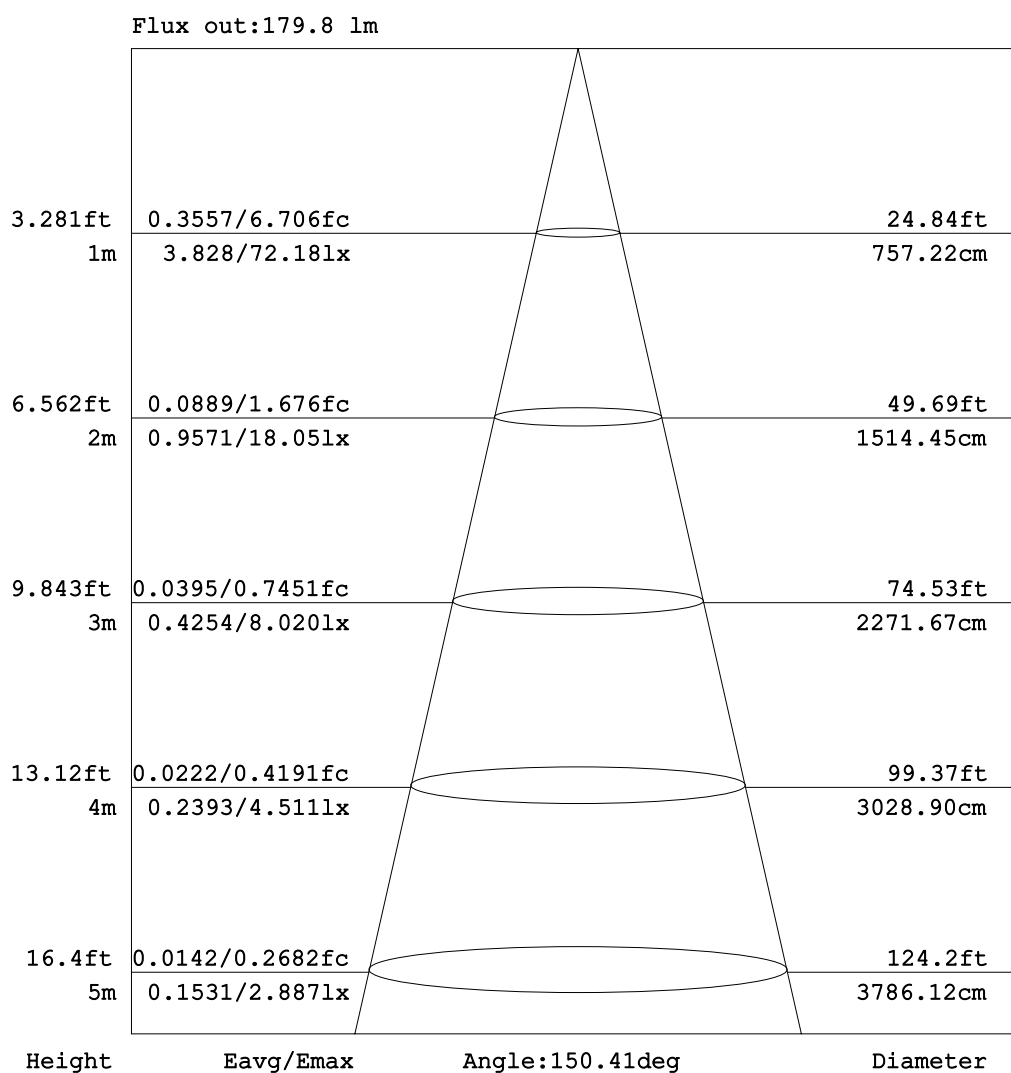
Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

ISOLUX DIAGRAM

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:
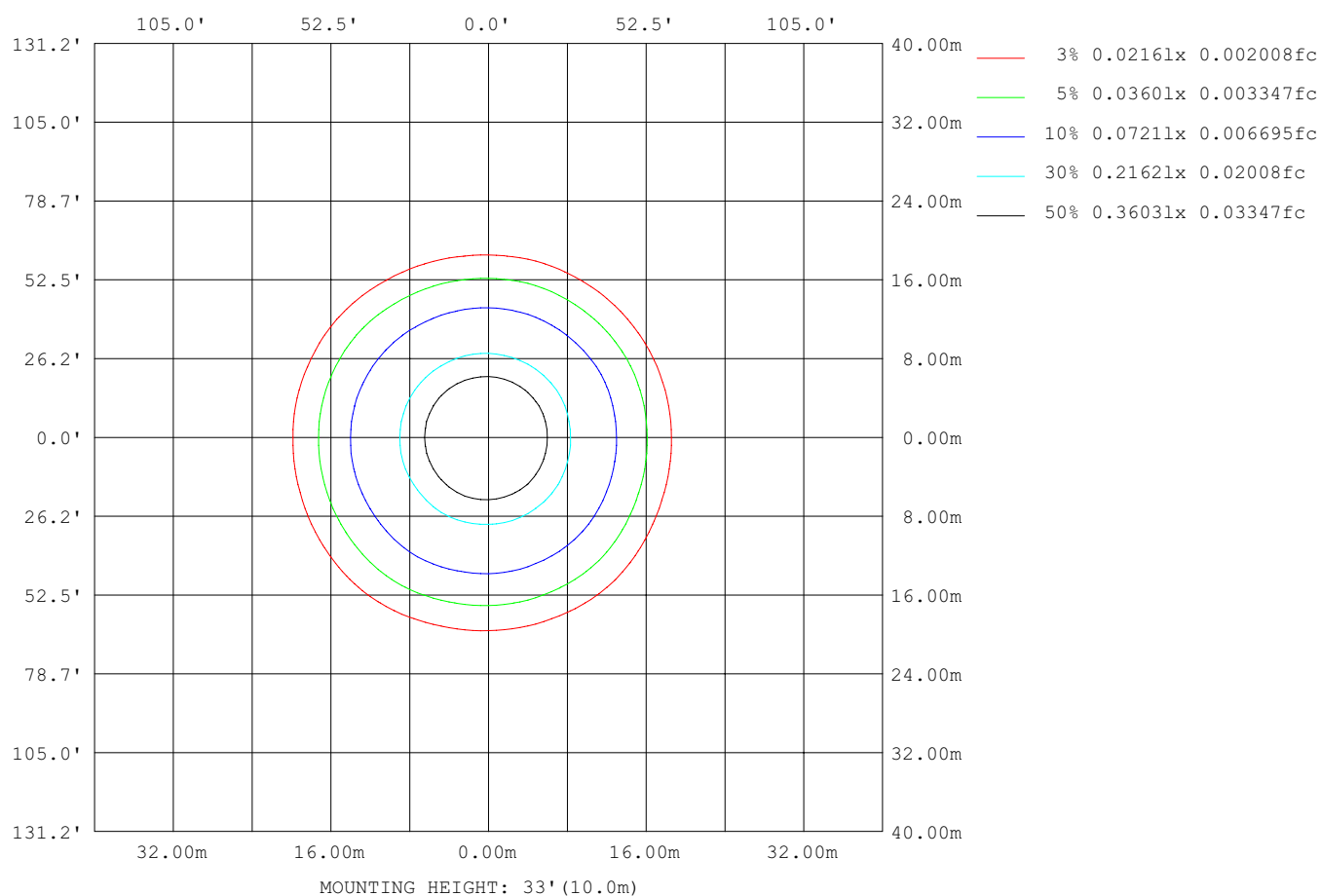
Legend:
- 3% 0.0216lx 0.002008fc
- 5% 0.0360lx 0.003347fc
- 10% 0.0721lx 0.006695fc
- 30% 0.2162lx 0.02008fc
- 50% 0.3603lx 0.03347fc

MOUNTING HEIGHT: 33'(10.0m)

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]
Remarks:

Average Luminance Table(CIBSE)

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	200	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 deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	413	418	426	441	459	472	480	486	495	501	507	519	532	534	528	526	525	525	522
60	372	376	382	397	416	432	439	442	449	455	462	474	489	494	489	485	480	477	472
65	323	327	333	347	364	383	390	391	395	398	406	418	436	446	445	438	430	425	422
70	264	268	274	289	304	322	333	332	332	333	343	359	381	397	396	389	380	374	373
75	202	204	209	221	236	251	267	266	267	270	281	301	327	347	348	340	333	328	327
80	138	135	140	150	165	182	195	190	187	191	209	240	275	303	306	304	299	297	300
85	128	108	107	108	124	132	126	97	79	75	93	136	209	262	276	292	273	285	307

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

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	534	200	---	500
Category 2	65 to 90	446	200	---	500
Category 3	75 to 90	348	200	---	500

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

No match

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1   UNIT: cd

γ (DEG) \ C(DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.1	72.1
10	70.3	70.3	70.3	70.4	70.4	70.5	70.6	70.7	70.7	70.8	70.9	71.0	71.0	71.1	71.2	71.3	71.3	71.4	71.5
15	68.5	68.5	68.5	68.6	68.6	68.7	68.8	68.9	69.1	69.2	69.2	69.3	69.4	69.5	69.6	69.7	69.8	69.9	70.0
20	65.9	65.8	65.8	65.8	65.9	66.1	66.2	66.3	66.4	66.6	66.8	66.9	67.1	67.3	67.4	67.5	67.7	67.8	68.0
25	61.8	62.0	62.1	62.1	62.1	62.3	62.6	62.9	63.1	63.2	63.3	63.8	64.1	64.2	64.4	64.6	64.7	64.9	65.1
30	57.5	57.7	57.9	57.9	58.0	58.5	58.8	58.9	59.2	59.6	60.0	60.2	60.4	60.5	60.6	60.7	60.9	61.1	61.4
35	52.7	53.0	53.1	53.2	53.6	53.9	54.1	54.5	55.1	55.5	55.6	55.8	56.0	56.2	56.5	56.7	56.9	57.1	57.4
40	47.2	47.6	47.7	47.9	48.4	48.6	49.1	49.7	50.0	50.3	50.6	50.9	51.2	51.5	51.9	52.2	52.4	52.7	52.9
45	41.2	41.7	41.7	42.2	42.3	42.9	43.5	43.8	44.2	44.6	45.0	45.3	45.6	46.0	46.4	46.8	47.1	47.3	47.5
50	34.9	35.2	35.3	35.7	36.0	36.6	37.0	37.6	38.1	38.5	38.9	39.2	39.5	39.8	40.1	40.6	41.0	41.3	41.5
55	28.5	28.6	28.8	29.0	29.3	29.8	30.4	31.0	31.6	32.1	32.5	32.8	33.0	33.1	33.4	33.8	34.1	34.3	34.5
60	22.3	22.4	22.6	22.7	22.9	23.3	23.8	24.4	24.9	25.5	25.9	26.2	26.3	26.4	26.5	26.8	27.0	27.1	27.3
65	16.4	16.5	16.6	16.7	16.9	17.2	17.6	18.0	18.5	19.0	19.4	19.6	19.8	19.8	19.8	19.9	20.0	20.1	20.2
70	10.8	10.9	11.0	11.1	11.2	11.5	11.8	12.2	12.5	12.9	13.2	13.5	13.7	13.7	13.6	13.6	13.6	13.6	13.7
75	6.28	6.31	6.34	6.36	6.49	6.67	6.87	7.08	7.33	7.54	7.81	8.12	8.30	8.30	8.25	8.27	8.29	8.32	8.40
80	2.87	2.84	2.82	2.84	2.91	3.02	3.13	3.30	3.44	3.58	3.79	3.95	4.06	4.05	3.96	3.91	3.89	3.89	3.98
85	1.33	1.19	1.13	1.10	1.12	1.15	1.13	1.22	1.30	1.35	1.38	1.41	1.32	1.16	1.02	0.90	0.82	0.77	0.78
90	1.11	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   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
5	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
10	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
15	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.7	70.6
20	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.4	68.5	68.5	68.7	68.7	68.8	68.9	68.8
25	65.3	65.5	65.6	65.7	65.7	65.6	65.7	65.8	65.8	65.9	65.9	65.9	65.9	66.0	66.1	66.2	66.3	66.4	66.4
30	61.6	61.9	62.1	62.3	62.3	62.4	62.4	62.5	62.7	62.9	62.7	62.6	62.7	62.9	63.0	62.8	63.0	63.3	63.0
35	57.6	57.9	58.2	58.5	58.7	58.8	58.9	58.8	58.7	58.8	59.0	59.2	59.1	59.2	59.5	59.3	59.2	59.5	59.2
40	53.1	53.4	53.7	54.0	54.3	54.5	54.5	54.4	54.4	54.2	54.2	54.4	54.8	54.7	54.9	54.9	54.7	54.9	54.6
45	47.7	48.0	48.3	48.7	49.1	49.4	49.4	49.3	49.2	49.0	48.9	48.9	49.2	49.5	49.5	49.8	49.3	49.5	49.1
50	41.6	41.8	42.1	42.5	43.0	43.4	43.5	43.4	43.2	43.0	42.9	42.8	42.9	43.3	43.3	43.3	43.0	43.1	42.8
55	34.7	34.9	35.3	35.7	36.2	36.6	36.8	36.7	36.6	36.3	36.2	36.2	36.1	36.1	36.4	36.2	36.0	36.0	35.8
60	27.5	27.7	28.0	28.4	28.9	29.4	29.6	29.6	29.6	29.4	29.2	29.1	29.0	28.8	28.7	28.6	28.5	28.3	28.3
65	20.4	20.6	20.8	21.2	21.7	22.1	22.4	22.6	22.7	22.6	22.4	22.2	22.0	21.8	21.7	21.5	21.5	21.4	21.4
70	13.8	14.1	14.3	14.7	15.2	15.6	16.0	16.3	16.4	16.3	16.1	16.0	15.8	15.6	15.5	15.4	15.3	15.3	15.3
75	8.53	8.74	8.99	9.33	9.73	10.1	10.5	10.8	10.8	10.8	10.7	10.6	10.5	10.3	10.2	10.2	10.2	10.2	10.0
80	4.13	4.35	4.63	4.99	5.36	5.72	6.08	6.31	6.36	6.38	6.36	6.33	6.29	6.24	6.21	6.20	6.23	6.26	4.86
85	0.85	0.97	1.16	1.42	1.76	2.18	2.54	2.74	2.72	2.89	2.97	3.05	2.92	2.86	2.91	2.98	2.86	3.21	2.35
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	0.89	0.00

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-12-36v	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	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	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
5	72.2	72.2	72.2	72.1	72.1	72.1	72.0	72.0	72.0	72.0	71.9	71.9	71.8	71.8	71.8	71.7	71.7	71.7	71.6
10	71.7	71.7	71.7	71.7	71.6	71.6	71.5	71.4	71.4	71.3	71.2	71.2	71.1	71.0	71.0	70.9	70.9	70.8	70.7
15	70.6	70.7	70.6	70.6	70.5	70.4	70.3	70.2	70.1	70.0	69.9	69.8	69.7	69.6	69.4	69.4	69.3	69.2	69.1
20	68.9	68.9	68.9	68.8	68.7	68.6	68.4	68.3	68.2	68.0	67.8	67.7	67.6	67.5	67.4	67.3	67.2	67.1	67.1
25	66.5	66.5	66.5	66.4	66.3	66.2	66.0	65.9	65.7	65.4	65.0	64.7	64.4	64.3	64.1	63.9	63.8	63.7	63.7
30	63.0	63.2	63.2	62.9	62.7	62.9	62.8	62.4	62.1	61.7	61.4	61.1	60.8	60.6	60.4	60.2	60.0	59.8	59.6
35	59.2	59.4	59.0	58.8	59.0	58.7	58.4	58.0	57.7	57.4	57.0	56.6	56.3	56.0	55.8	55.4	55.1	54.8	54.6
40	54.6	54.5	54.2	54.3	53.8	53.4	53.1	52.8	52.3	51.9	51.5	51.1	50.8	50.5	50.3	50.0	49.6	49.3	49.0
45	49.3	48.8	48.8	48.4	47.9	47.6	47.1	46.6	46.1	45.6	45.1	44.7	44.4	44.1	43.9	43.6	43.3	43.0	42.8
50	42.8	42.6	42.3	41.8	41.4	41.0	40.5	40.0	39.4	38.8	38.2	37.8	37.4	37.1	36.9	36.6	36.4	36.2	36.1
55	35.6	35.6	35.1	34.8	34.4	34.0	33.5	33.0	32.4	31.7	31.1	30.6	30.3	29.9	29.6	29.3	29.2	29.0	29.0
60	28.3	28.2	27.8	27.6	27.3	27.0	26.5	26.0	25.3	24.7	24.2	23.7	23.3	22.9	22.5	22.3	22.1	22.1	22.1
65	21.4	21.2	21.0	20.7	20.5	20.2	19.8	19.4	18.8	18.2	17.8	17.4	17.0	16.6	16.3	16.1	16.0	16.0	16.0
70	15.2	14.2	13.9	13.9	14.2	14.2	13.9	13.6	13.3	12.9	12.4	12.1	11.7	11.3	11.0	10.8	10.7	10.7	10.7
75	8.75	8.19	8.33	8.41	8.66	8.90	9.05	8.81	8.53	8.29	7.96	7.65	7.33	7.05	6.83	6.64	6.56	6.56	6.64
80	4.39	4.21	4.36	4.40	4.65	4.79	4.93	4.97	4.78	4.56	4.40	4.16	3.92	3.68	3.44	3.16	3.15	3.26	3.32
85	2.04	1.81	1.78	1.85	1.85	1.83	2.03	2.06	2.01	1.94	1.56	1.45	1.24	1.05	0.89	0.78	0.74	0.77	0.84
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   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: x-Glo-12-36v		TYPE:	WEIGHT:
DIM.:		SPEC.:	SERIAL No.:
MFR.:		SUR.:	PROTECTION ANGLE:

Table--4   UNIT: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1				
5	71.6	71.5	71.5	71.5	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5				
10	70.6	70.6	70.5	70.5	70.4	70.4	70.3	70.3	70.2	70.2	70.2	70.2	70.2	70.2	70.3				
15	69.1	69.0	68.9	68.8	68.7	68.6	68.6	68.6	68.5	68.5	68.4	68.4	68.4	68.4	68.4				
20	67.0	66.8	66.7	66.5	66.3	66.2	66.1	66.0	65.9	66.0	65.9	65.8	65.8	65.8	65.8				
25	63.6	63.5	63.4	63.1	62.9	62.8	62.7	62.7	62.6	62.5	62.2	62.1	62.2	62.2	62.0				
30	59.5	59.3	59.1	59.0	58.9	58.7	58.6	58.6	58.5	58.5	58.4	58.0	57.9	57.9	57.7				
35	54.4	54.2	54.2	54.1	54.0	53.8	53.8	53.7	53.7	53.7	53.7	53.4	52.9	52.9	52.8				
40	48.8	48.6	48.5	48.5	48.4	48.3	48.3	48.3	48.3	48.2	48.1	48.0	47.5	47.3	47.4				
45	42.6	42.5	42.4	42.4	42.3	42.1	42.2	42.2	42.3	42.3	42.1	41.9	41.8	41.3	41.4				
50	35.9	35.8	35.8	35.7	35.6	35.5	35.6	35.6	35.7	35.8	35.6	35.3	35.2	34.9	35.0				
55	29.0	28.9	28.8	28.7	28.7	28.7	28.7	28.8	28.9	28.9	28.8	28.7	28.5	28.4	28.4				
60	22.2	22.2	22.1	22.1	22.1	22.1	22.2	22.2	22.3	22.3	22.3	22.3	22.2	22.3	22.3				
65	16.0	16.1	16.1	16.1	16.2	16.3	16.3	16.2	16.2	16.3	16.3	16.3	16.3	16.4	16.4				
70	10.8	10.9	11.0	11.1	11.1	11.2	11.1	11.0	11.0	10.9	10.8	10.3	10.7	10.8	10.8				
75	6.68	6.70	6.78	6.87	6.91	6.82	6.73	6.67	6.58	6.07	5.74	5.40	5.32	5.47	6.28				
80	3.38	3.44	3.52	3.58	3.59	3.54	3.45	3.38	3.10	2.85	2.91	2.60	2.60	2.45	2.37				
85	0.93	1.05	1.20	1.38	1.53	1.53	1.52	1.45	1.29	1.17	1.17	1.18	1.20	1.21	1.21				
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				

C Range: 0 - 360DEG   γ Range: 0 - 90DEG
C Interval: 5.0DEG   γ Interval: 0.5DEG
Test Speed: HIGH   Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Temperature:28.5DEG   Humidity:56%
Operators: Test Distance:6.810m [K=0.8223]
Test Date: Remarks: