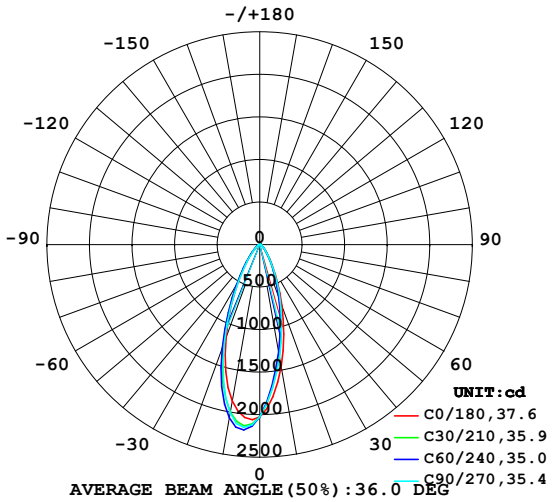
LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

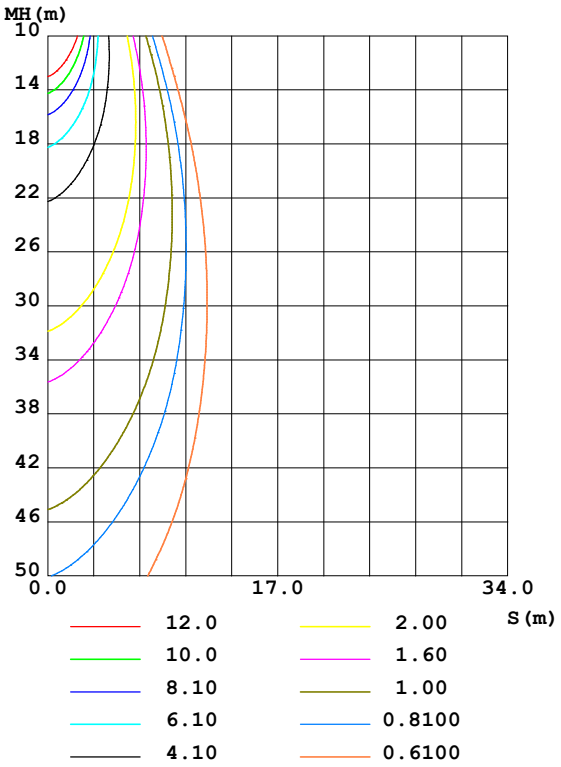
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 70.78 lm/W	
MODEL	6k12	Imax(cd)	2186	S/MH(C0/180)	0.71
NOMINAL POWER(W)	16	LOR(%)	100.0	S/MH(C90/270)	0.71
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	1160.7	η UP,DN(C0-180)	0.1,42.5
NOMINAL FLUX(lm)	1160.66	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,57.4
LAMPS INSIDE	1	η up(%)	0.1	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	12	η down(%)	99.9	CIBSE SHR MAX	0.65

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1455	1289	1345	1558	1866	2048	2009	1767	0- 10	175.4	175.4	15.1,15.1
20	759.8	660.1	704.2	887.7	1164	1296	1214	1003	10- 20	363.3	538.6	46.4,46.4
30	321.9	286.6	305.4	385.1	515.4	555.9	511.1	417.4	20- 30	298.8	837.4	72.1,72.1
40	137.9	126.7	127.7	150.4	193.5	204.1	185.5	154.7	30- 40	164.8	1002	86.3,86.3
50	55.44	55.59	57.71	61.39	75.44	79.27	73.31	63.82	40- 50	81.12	1083	93.3,93.3
60	24.82	23.62	24.55	27.50	32.79	33.25	28.11	25.86	50- 60	38.66	1122	96.7,96.7
70	16.61	14.69	13.31	14.57	17.73	16.53	14.39	15.00	60- 70	20.22	1142	98.4,98.4
80	8.262	8.715	7.874	7.614	7.597	7.503	7.146	8.622	70- 80	12.15	1154	99.5,99.5
90	4.451	3.857	2.708	1.929	1.517	1.270	1.169	2.499	80- 90	5.315	1160	99.9,99.9
100	0.5304	0.3555	0.1571	0.1357	0.1305	0.1331	0.1441	0.1749	90-100	1.011	1161	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0286	1161	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1161	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1161	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1161	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1161	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1161	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1161	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1161	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

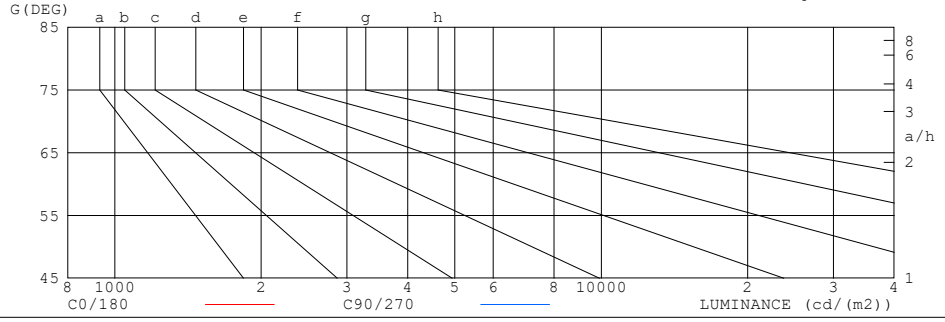
γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 6K12	**TYPE:**	**WEIGHT:2**
SPEC.:	**DIM.: 17 x 3**	**SERIAL No.:**
MFR.: Luz Negra s.l.	**SUR.:22**	**Shielding Angle:N/D**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1212166	1220328
80	937266	889806
75	948832	753669
70	956955	763724
65	921734	796353
60	977739	963569
55	1213681	1268615
50	1698934	1761913
45	2454683	2390652

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

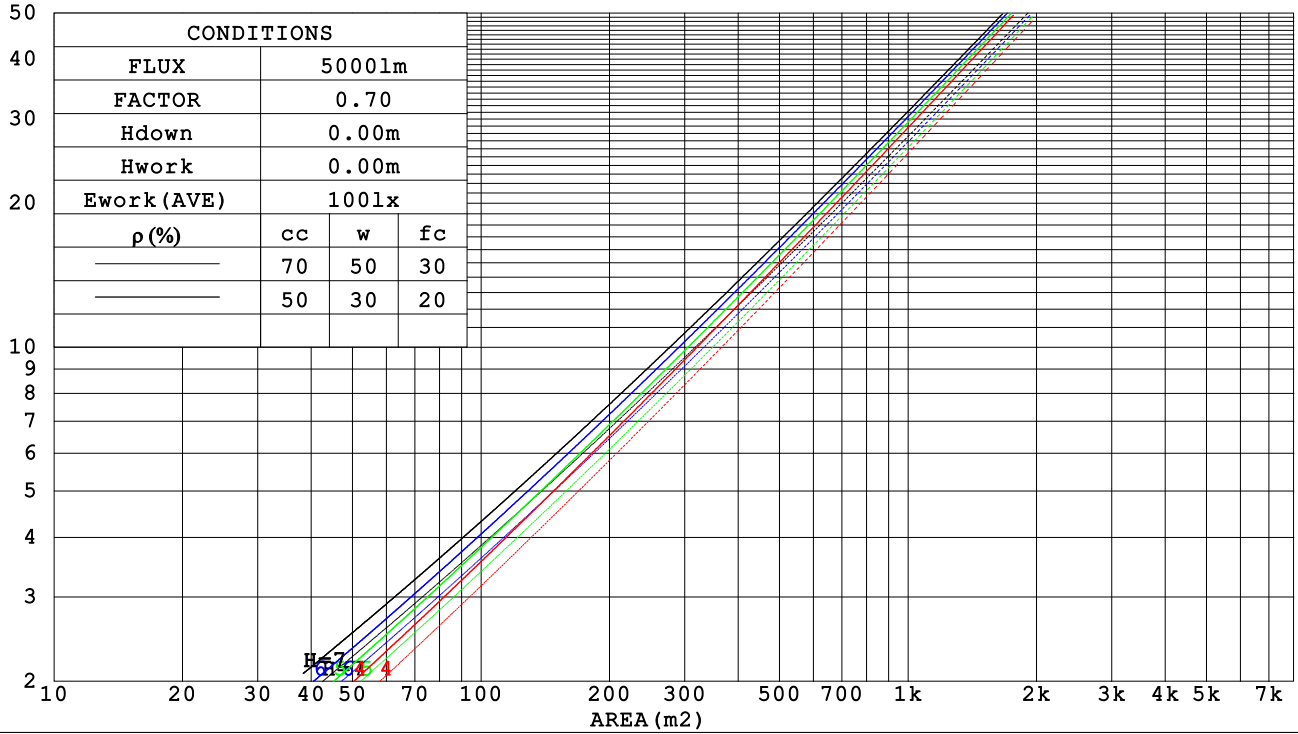
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.95	1.01	.97	.94	.97	.94	.92	.94	.92	.90	.92	.90	.88	.86
3.0	.95	.90	.86	.94	.89	.86	.91	.87	.84	.89	.86	.83	.87	.84	.82	.80
4.0	.89	.84	.79	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.74	.83	.78	.73	.81	.76	.73	.79	.75	.72	.78	.74	.71	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.75	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.65	.74	.68	.64	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.59
9.0	.67	.62	.58	.67	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.55	.63	.58	.54	.62	.58	.54	.61	.57	.54	.53

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

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	.187	.107	.034	.181	.103	.033	.168	.096	.031	.156	.090	.029	.145	.084	.027	
2.0	.177	.097	.030	.171	.094	.029	.161	.089	.028	.151	.085	.026	.142	.080	.025	
3.0	.167	.089	.027	.162	.087	.026	.153	.083	.025	.144	.079	.024	.136	.076	.023	
4.0	.157	.082	.024	.153	.080	.024	.145	.077	.023	.138	.074	.022	.131	.071	.022	
5.0	.149	.076	.022	.145	.074	.022	.138	.072	.021	.132	.069	.021	.126	.067	.020	
6.0	.141	.071	.020	.138	.069	.020	.132	.067	.020	.126	.065	.019	.121	.063	.019	
7.0	.134	.066	.019	.131	.065	.019	.125	.063	.018	.120	.062	.018	.116	.060	.018	
8.0	.127	.062	.017	.125	.061	.017	.120	.060	.017	.115	.059	.017	.111	.057	.017	
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.111	.056	.016	.107	.054	.016	
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015	

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	.191	.191	.191	.163	.163	.163	.112	.112	.112	.064	.064	.064	.020	.020	.020	
1.0	.173	.158	.145	.148	.136	.125	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.133	.113	.135	.115	.097	.093	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.145	.114	.090	.125	.099	.078	.086	.068	.054	.049	.040	.032	.016	.013	.011	
4.0	.135	.100	.073	.116	.086	.063	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.088	.060	.108	.076	.052	.075	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.118	.079	.050	.102	.068	.044	.070	.048	.031	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.043	.096	.062	.037	.066	.043	.026	.039	.025	.016	.012	.008	.005	
8.0	.106	.065	.037	.091	.056	.032	.063	.039	.023	.037	.023	.014	.012	.008	.004	
9.0	.100	.060	.032	.086	.052	.028	.060	.036	.020	.035	.021	.012	.011	.007	.004	
10.0	.095	.055	.028	.082	.048	.025	.057	.034	.018	.033	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

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	33.5	34.5	33.8	34.7	34.8	33.6	34.5	33.8	34.7	34.9
	3H	34.1	34.9	34.3	35.1	35.3	34.0	34.9	34.3	35.1	35.3
	4H	34.4	35.3	34.7	35.5	35.7	34.3	35.1	34.6	35.3	35.6
	6H	34.8	35.6	35.1	35.9	36.1	34.6	35.4	34.9	35.6	35.9
	8H	35.0	35.7	35.3	36.0	36.3	34.8	35.5	35.1	35.8	36.0
	12H	35.1	35.9	35.5	36.1	36.4	34.9	35.7	35.3	35.9	36.2
4H	2H	33.6	34.4	33.9	34.7	34.9	33.7	34.5	33.9	34.7	34.9
	3H	34.3	35.0	34.6	35.3	35.6	34.3	35.1	34.7	35.3	35.6
	4H	34.8	35.5	35.2	35.8	36.1	34.8	35.4	35.1	35.8	36.1
	6H	35.4	36.0	35.8	36.4	36.7	35.3	35.9	35.6	36.2	36.5
	8H	35.7	36.2	36.1	36.6	37.0	35.5	36.1	35.9	36.4	36.8
	12H	35.9	36.4	36.4	36.8	37.2	35.8	36.3	36.2	36.7	37.1
8H	4H	35.0	35.6	35.4	35.9	36.3	35.0	35.5	35.4	35.9	36.3
	6H	35.8	36.3	36.2	36.7	37.1	35.7	36.1	36.1	36.5	36.9
	8H	36.2	36.6	36.6	37.0	37.5	36.0	36.4	36.5	36.8	37.3
	12H	36.6	36.9	37.1	37.4	37.8	36.4	36.8	36.9	37.2	37.7
12H	4H	35.0	35.5	35.5	35.9	36.3	35.0	35.5	35.4	35.9	36.3
	6H	35.9	36.3	36.3	36.7	37.1	35.7	36.1	36.2	36.5	37.0
	8H	36.3	36.7	36.8	37.1	37.6	36.1	36.5	36.6	36.9	37.4

Variations with the observer position at spacings:		
S = 1.0H	+ 0.8 / - 0.8	+ 0.7 / - 0.9
1.5H	+ 1.4 / - 0.9	+ 1.2 / - 0.8
2.0H	+ 1.6 / - 0.8	+ 1.5 / - 0.8

CIE Pub.117, 1161 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.5)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

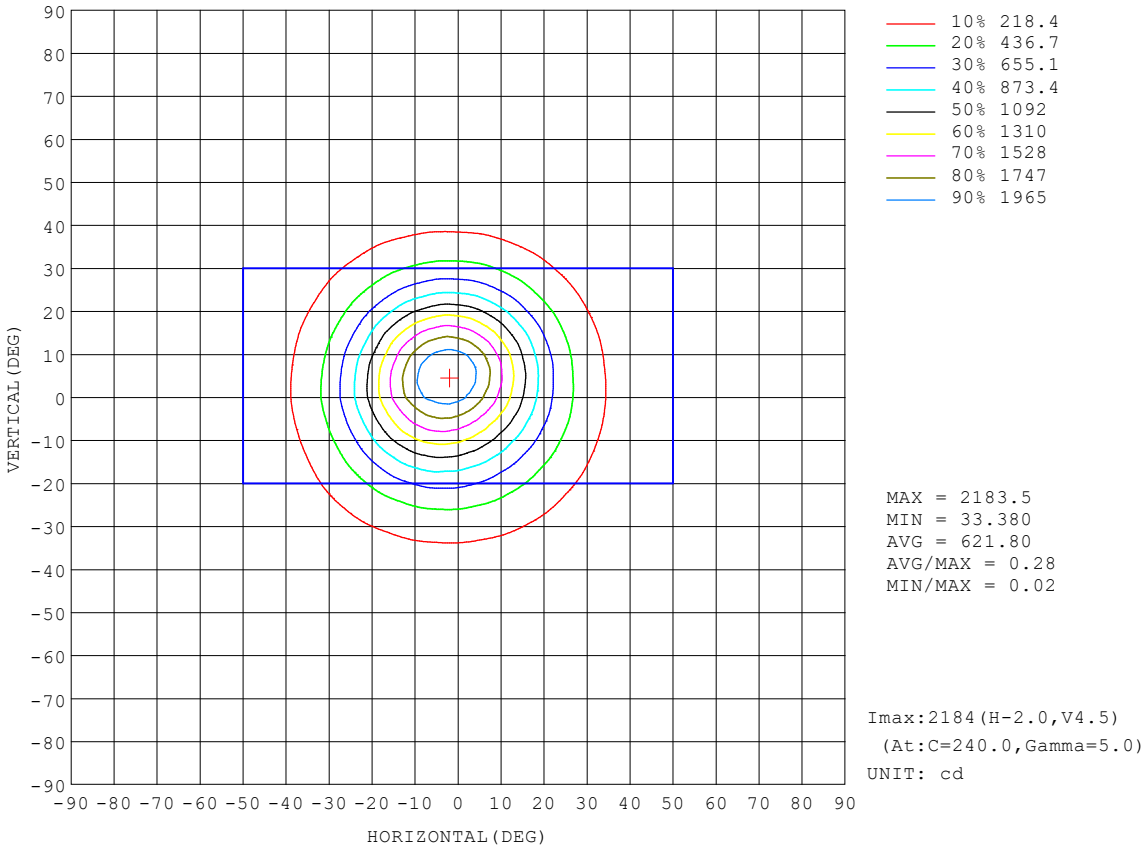
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	83	76	72	82	76	72	82	75	71	67
0.80	91	84	80	90	84	80	89	83	79	75
1.00	96	90	86	95	89	85	93	89	85	80
1.25	100	95	91	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	98	102	99	96	91
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	103	109	105	102	105	102	100	93
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	111	109	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 6K12	**TYPE:**	**WEIGHT:2**
SPEC.:	**DIM.: 17 x 3**	**SERIAL No.:**
MFR.: Luz Negra s.l.	**SUR.:22**	**Shielding Angle:N/D**



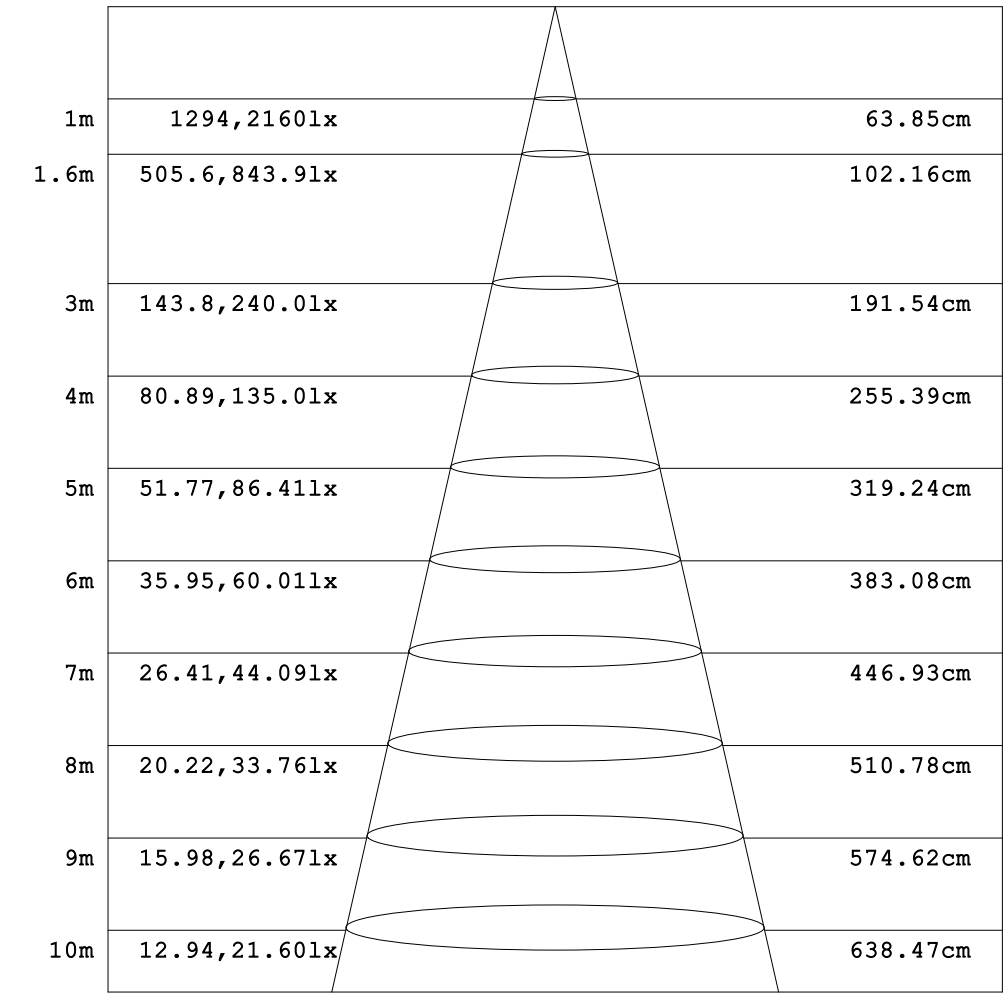
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

AAI Figure

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

Flux out:538.6 lm



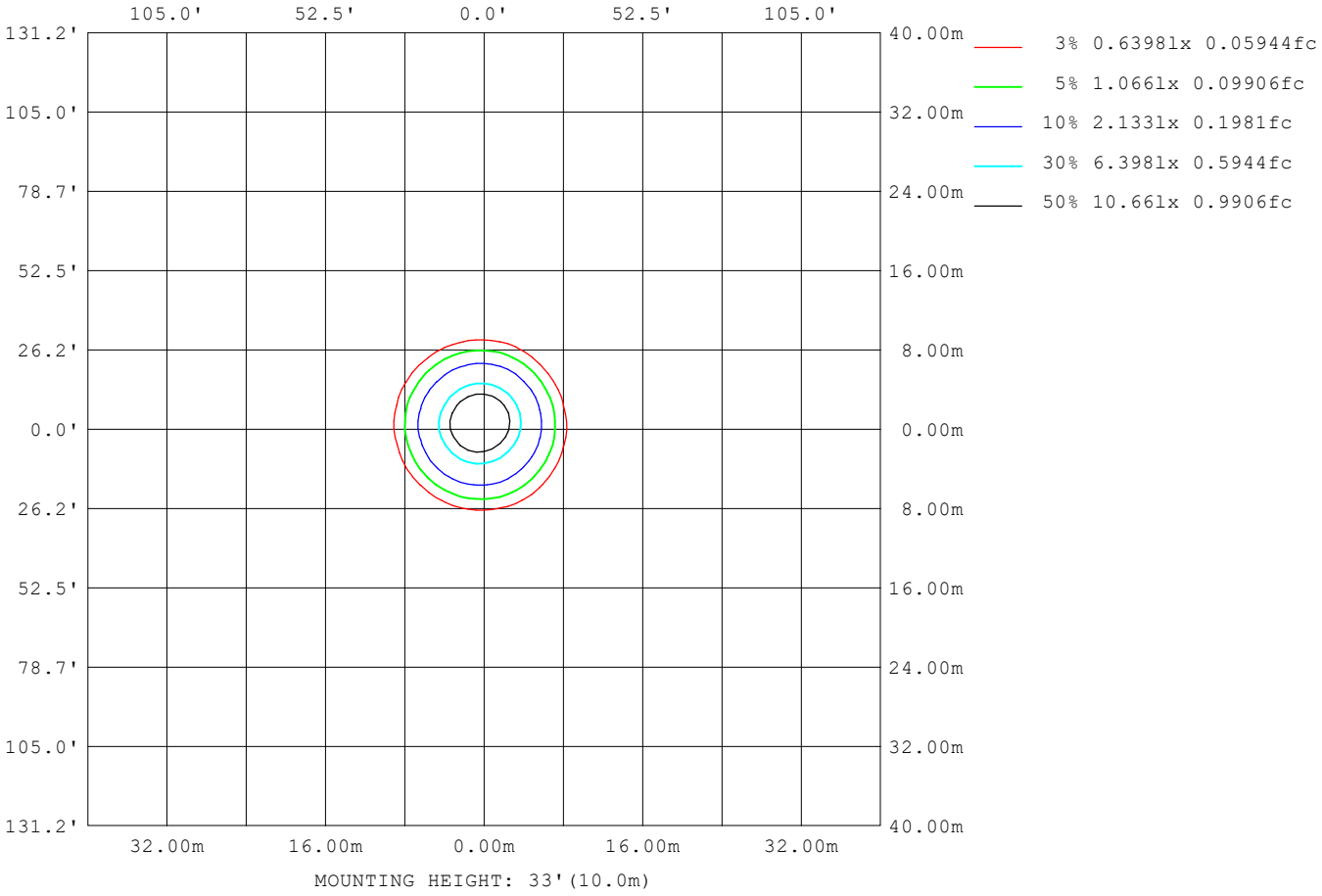
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: 6K12	**TYPE:**	**WEIGHT:2**
SPEC.:	**DIM.: 17 x 3**	**SERIAL No.:**
MFR.: Luz Negra s.l.	**SUR.:22**	**Shielding Angle:N/D**



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

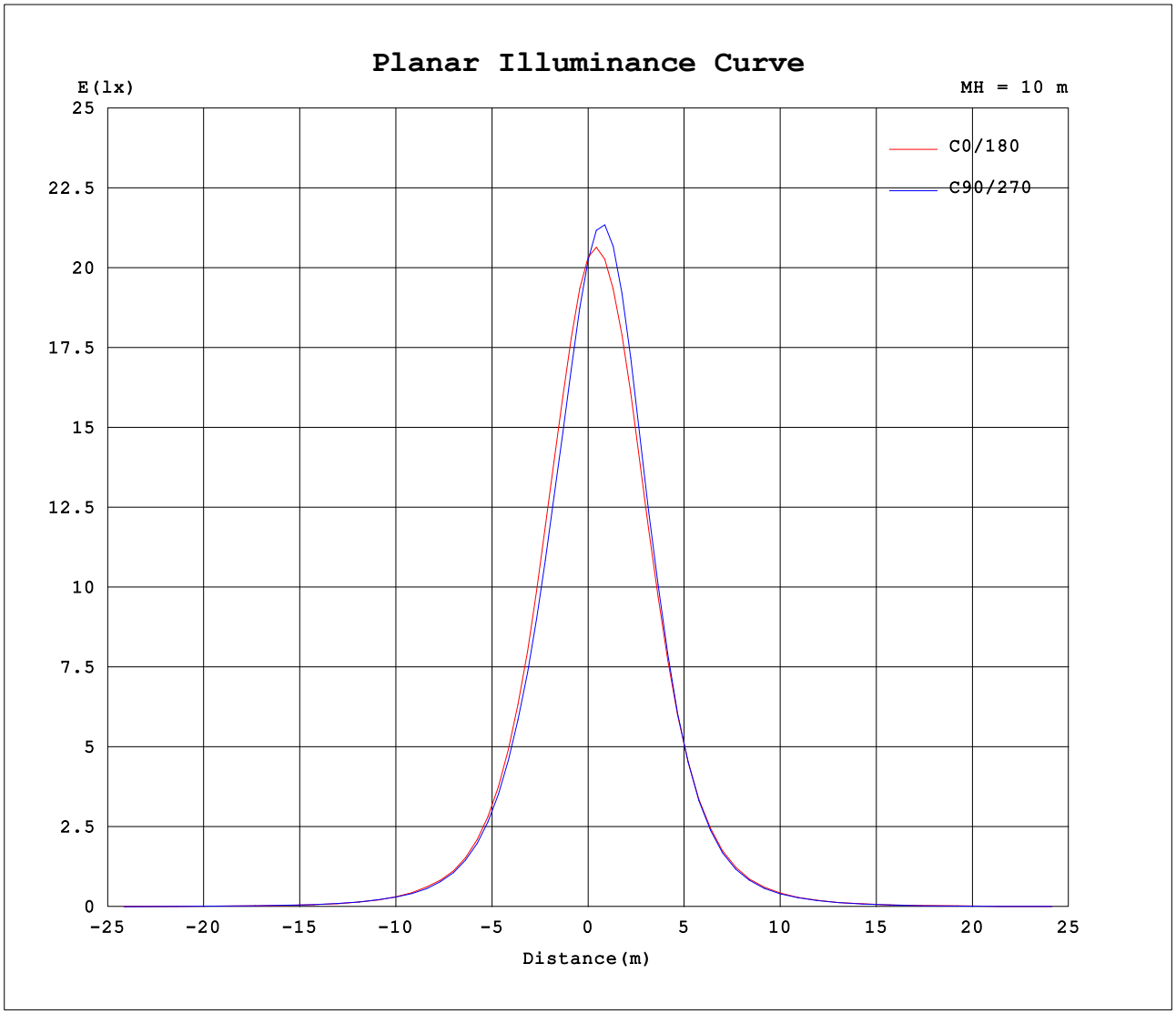
AvgL	cd/m2
L_0~180(65)av	1000082
L_0~180(75)av	909377
L_0~180(85)av	1106770
L_90~270(65)av	842995
L_90~270(75)av	763261
L_90~270(85)av	1012873
L_45(65)av	903406
L_45(75)av	842141
L_45(85)av	1084620

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024
5	1793	1758	1723	1701	1679	1672	1664	1672	1680	1702	1722	1755	1785	1828	1863	1910	1947	1994	2041
10	1455	1407	1357	1322	1292	1287	1281	1296	1311	1345	1377	1427	1471	1531	1585	1656	1718	1792	1866
15	1092	1047	1001	972	947	943	941	953	965	999	1032	1082	1128	1193	1253	1327	1388	1468	1548
20	760	730	696	679	662	659	654	668	680	704	730	772	809	864	912	976	1029	1099	1164
25	503	485	464	454	441	442	442	450	457	474	490	517	542	583	616	663	699	749	802
30	322	311	300	293	286	287	286	293	295	305	315	333	348	375	396	424	447	480	515
35	204	198	193	191	186	188	189	191	190	195	200	211	219	235	248	272	275	297	318
40	138	130	127	127	127	127	128	127	126	128	133	135	139	147	154	164	170	181	193
45	88.1	89.2	87.2	86.5	86.3	88.5	88.0	86.5	85.4	86.1	85.3	88.1	90.2	95.3	97.9	105	107	113	121
50	55.4	55.7	54.0	55.0	55.3	55.9	56.7	57.6	56.9	57.7	56.5	57.9	58.7	60.9	61.9	65.1	66.7	70.6	75.4
55	35.3	34.6	33.7	34.2	34.4	35.7	36.3	36.7	36.1	37.1	37.5	38.7	38.7	39.5	40.4	42.4	43.3	45.6	48.7
60	24.8	23.9	22.5	22.6	22.9	24.3	24.9	25.0	23.9	24.6	25.3	26.5	26.9	27.6	27.4	28.4	29.1	31.2	32.8
65	19.8	18.6	16.7	16.7	17.0	18.0	18.9	18.6	16.9	17.2	17.5	19.5	19.5	19.4	18.3	19.8	20.6	22.5	23.3
70	16.6	15.6	13.8	13.7	14.2	15.1	15.9	15.3	13.8	13.3	13.9	15.1	15.6	14.9	14.3	15.1	16.3	17.1	17.7
75	12.5	12.1	11.7	11.2	11.8	12.2	12.9	11.6	10.7	9.94	11.2	11.7	11.8	10.9	10.5	10.9	11.2	11.5	11.5
80	8.26	9.47	9.09	8.87	8.97	8.46	9.31	8.07	8.17	7.87	8.61	8.02	8.17	7.99	7.23	7.37	7.80	7.84	7.60
85	5.36	5.52	5.82	5.73	5.76	5.29	5.14	5.26	5.45	5.42	5.61	5.36	5.08	4.83	4.64	4.40	4.47	4.42	4.48
90	4.45	4.01	3.69	3.72	4.09	3.62	3.26	3.03	3.01	2.71	2.76	2.62	2.29	2.02	1.84	1.69	1.61	1.51	1.52
95	2.07	1.87	1.69	1.57	1.41	1.43	1.30	1.14	1.02	0.49	0.73	0.46	0.23	0.14	0.10	0.08	0.09	0.08	0.09
100	0.53	0.47	0.48	0.47	0.39	0.32	0.26	0.21	0.16	0.16	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.12	0.13
105	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
110	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
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
180	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: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 6K12	TYPE:	WEIGHT:2
SPEC.:	DIM.: 17 x 3	SERIAL No.:
MFR.: Luz Negra s.l.	SUR.:22	Shielding Angle:N/D

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024		
5	2075	2116	2138	2166	2174	2186	2182	2179	2157	2137	2099	2065	2019	1979	1928	1887	1839		
10	1911	1970	2000	2044	2051	2069	2055	2050	2009	1981	1920	1872	1796	1737	1656	1594	1520		
15	1596	1654	1677	1720	1719	1729	1703	1696	1646	1609	1546	1500	1424	1367	1288	1224	1154		
20	1199	1247	1262	1300	1292	1293	1264	1257	1214	1186	1130	1088	1027	980	911	862	804		
25	822	854	860	884	877	880	849	844	812	797	756	728	681	651	605	569	529		
30	527	547	549	560	552	555	538	532	511	502	476	458	427	407	381	360	337		
35	326	336	334	340	333	337	325	320	307	303	288	286	258	247	233	225	212		
40	198	204	203	206	202	202	195	193	186	183	175	168	157	152	145	142	139		
45	124	127	126	128	125	124	119	119	114	113	108	105	99.8	98.5	94.4	91.2	87.4		
50	77.7	80.9	78.0	79.9	78.6	78.7	76.3	75.7	73.3	74.2	69.7	68.6	64.9	62.8	60.8	58.9	55.8		
55	49.2	50.5	50.4	51.2	51.1	51.6	49.2	47.6	45.7	46.3	44.4	44.3	40.4	38.8	37.7	36.8	35.2		
60	33.0	33.2	32.4	33.3	33.2	33.5	31.5	29.7	28.1	28.8	28.6	28.7	26.9	24.9	24.0	24.3	24.5		
65	23.2	22.2	21.9	22.5	23.2	23.5	22.1	20.4	19.2	19.8	20.9	20.9	19.4	18.2	18.0	17.9	19.0		
70	17.9	17.0	15.8	16.5	16.6	17.5	16.9	15.1	14.4	15.6	16.4	17.0	15.6	14.3	13.7	14.5	16.2		
75	11.4	11.1	9.80	10.2	10.3	11.7	11.6	10.6	10.2	11.8	11.7	12.1	11.6	11.6	11.0	11.7	11.9		
80	7.31	7.20	6.74	7.63	7.38	7.26	6.67	6.64	7.15	7.49	7.15	8.27	8.25	8.99	8.46	9.18	7.66		
85	4.26	4.18	3.80	4.30	4.34	4.36	4.04	3.96	3.58	3.93	4.13	4.47	4.50	4.80	4.65	5.10	4.78		
90	1.34	1.32	1.13	1.31	1.23	1.41	1.32	1.45	1.17	1.64	1.74	2.29	2.31	2.69	2.67	3.09	3.76		
95	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.22	0.48	0.83	1.03	1.31	1.48	1.66	1.87		
100	0.14	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.20	0.25	0.31	0.42		
105	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		
110	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		
115	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		
120	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		
125	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		
130	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		
135	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		
140	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		
145	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		
150	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		
155	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		
160	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		
165	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		
170	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		
175	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		
180	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: 10.0DEG
Test Speed: HIGH
Temperature:25DEG Test
Date:05 April 2022

γ Range: 0 - 100DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity:37%
Test Distance:8.200m [K=1.0000]
Remarks: