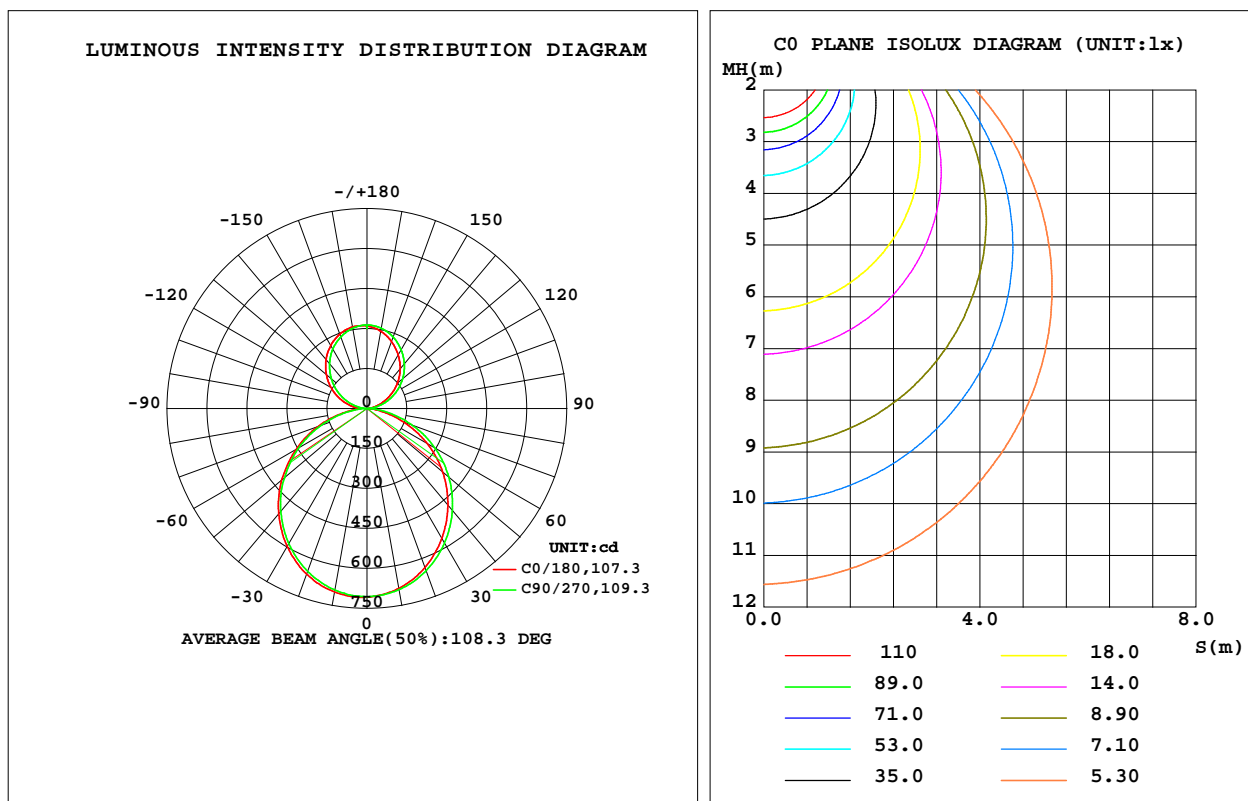


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.18 lm/W			
MODEL	LLS-BH3360FD1200	I _{max} (cd)	708.8	S/MH(C0/180)	1.19
NOMINAL POWER(W)	27.48	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	2780.4	h UP,DN(C0-180)	15.5,34.4
NOMINAL FLUX(lm)	2780.43	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	15.4,34.7
LAMPS INSIDE	1	h up(%)	30.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	h down(%)	69.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

Range: 0 - 180DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

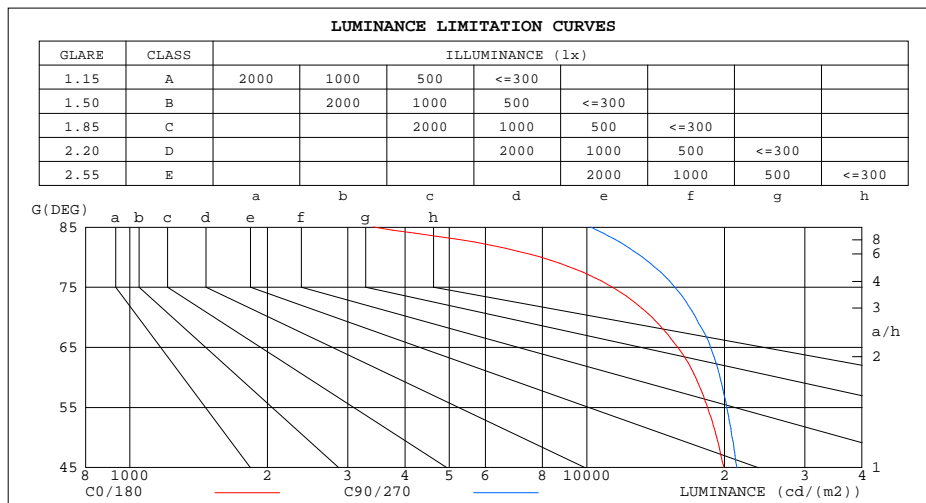
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	685.3	689.3	690.2	693.5	699.3	696.1	691.9	687.2	0- 10	66.73	66.73	2.4,2.4
20	635.2	642.4	648.2	653.6	661.9	656.1	650.6	641.8	10- 20	190.0	256.7	9.23,9.23
30	562.5	573.0	582.5	589.2	598.0	592.0	586.0	572.9	20- 30	284.7	541.4	19.5,19.5
40	472.8	485.7	498.7	506.6	515.6	508.9	503.6	486.6	30- 40	338.8	880.2	31.7,31.7
50	370.9	382.9	401.1	408.9	418.4	411.3	404.1	386.4	40- 50	346.7	1227	44.1,44.1
60	259.5	273.9	293.5	300.3	307.5	303.3	295.5	277.2	50- 60	307.8	1535	55.2,55.2
70	142.5	159.7	177.6	186.8	193.4	187.0	180.7	161.2	60- 70	229.4	1764	63.5,63.5
80	41.36	55.06	68.99	76.64	83.23	76.79	71.43	56.66	70- 80	125.1	1889	68,68
90	5.319	5.539	2.996	13.63	25.94	9.353	2.233	4.508	80- 90	32.26	1922	69.1,69.1
100	19.26	26.51	31.73	46.89	61.67	41.13	29.87	25.43	90-100	21.46	1943	69.9,69.9
110	55.52	71.22	78.62	93.00	108.1	87.96	77.94	66.89	100-110	60.26	2003	72.1,72.1
120	102.4	119.2	128.4	140.6	155.0	136.4	127.7	115.3	110-120	103.3	2107	75.8,75.8
130	150.0	164.5	175.5	185.9	199.5	182.8	175.1	163.1	120-130	135.9	2242	80.7,80.7
140	194.3	208.7	218.7	227.5	239.6	226.1	219.0	206.2	130-140	151.8	2394	86.1,86.1
150	234.2	247.4	256.3	263.4	273.1	261.7	257.6	244.1	140-150	148.4	2543	91.4,91.4
160	268.8	278.8	286.6	291.5	297.9	289.8	286.9	276.2	150-160	124.8	2667	95.9,95.9
170	295.5	302.2	306.4	309.4	311.2	308.1	306.3	300.5	160-170	83.55	2751	98.9,98.9
180	300.8	300.8	300.8	300.8	300.8	300.8	300.8	300.8	170-180	29.48	2780	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:JYH
 Test Date:01

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3416	10195
80	7939	13243
75	11384	15595
70	13892	17308
65	15817	18655
60	17300	19569
55	18380	20249
50	19236	20801
45	19950	21296

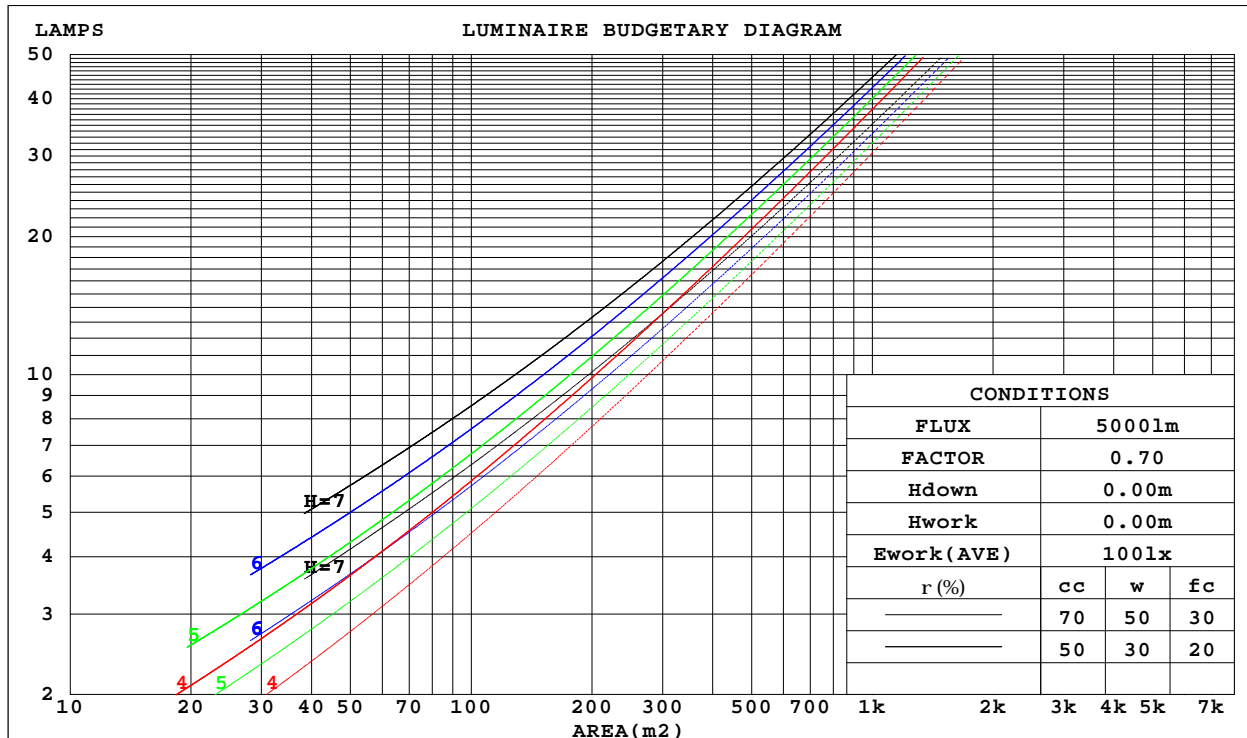
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.12	1.12	1.12	1.06	1.06	1.06	.94	.94	.94	.83	.83	.83	.74	.74	.74	.69
1.0	.98	.94	.90	.92	.89	.86	.82	.80	.77	.73	.71	.69	.65	.64	.62	.58
2.0	.85	.79	.73	.81	.75	.70	.72	.68	.64	.64	.61	.58	.57	.55	.52	.49
3.0	.75	.67	.61	.71	.64	.58	.64	.58	.54	.57	.53	.49	.51	.47	.44	.41
4.0	.66	.58	.52	.63	.55	.50	.56	.50	.46	.51	.46	.42	.45	.41	.38	.35
5.0	.59	.51	.44	.56	.48	.43	.51	.44	.39	.45	.40	.36	.41	.36	.33	.30
6.0	.53	.45	.39	.50	.43	.37	.46	.39	.34	.41	.36	.32	.37	.32	.29	.27
7.0	.48	.40	.34	.46	.38	.33	.41	.35	.30	.37	.32	.28	.34	.29	.26	.23
8.0	.44	.36	.30	.42	.34	.29	.38	.32	.27	.34	.29	.25	.31	.26	.23	.21
9.0	.40	.32	.27	.38	.31	.26	.35	.29	.24	.31	.26	.23	.28	.24	.21	.19
10.0	.37	.29	.24	.35	.28	.23	.32	.26	.22	.29	.24	.20	.26	.22	.19	.17



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.289	.164	.052	.273	.156	.049	.242	.139	.044	.214	.123	.040	.188	.109	.035	
2.0	.271	.149	.046	.257	.141	.044	.229	.127	.040	.203	.114	.036	.180	.102	.032	
3.0	.251	.134	.040	.238	.127	.038	.213	.115	.035	.189	.104	.032	.168	.093	.029	
4.0	.233	.121	.036	.220	.115	.034	.197	.105	.031	.176	.094	.028	.156	.085	.026	
5.0	.216	.110	.032	.204	.105	.031	.183	.095	.028	.164	.086	.026	.145	.078	.023	
6.0	.200	.100	.029	.190	.096	.028	.171	.087	.025	.153	.079	.023	.136	.071	.021	
7.0	.187	.092	.026	.177	.088	.025	.160	.081	.023	.143	.073	.021	.127	.066	.019	
8.0	.175	.085	.024	.166	.082	.023	.150	.075	.021	.134	.068	.020	.119	.061	.018	
9.0	.164	.079	.022	.156	.076	.021	.141	.070	.020	.126	.063	.018	.112	.057	.017	
10.0	.154	.074	.021	.147	.071	.020	.133	.065	.018	.119	.059	.017	.106	.053	.015	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.426	.426	.426	.364	.364	.364	.248	.248	.248	.143	.143	.143	.046	.046	.046	
1.0	.416	.394	.373	.356	.338	.321	.244	.232	.222	.140	.134	.129	.045	.043	.042	
2.0	.408	.371	.339	.350	.319	.293	.240	.221	.205	.138	.128	.120	.044	.042	.039	
3.0	.401	.354	.317	.344	.306	.275	.236	.212	.193	.136	.124	.114	.044	.040	.037	
4.0	.394	.342	.302	.338	.295	.262	.232	.206	.185	.134	.121	.109	.043	.039	.036	
5.0	.387	.332	.291	.332	.287	.254	.229	.201	.179	.133	.118	.106	.043	.038	.035	
6.0	.381	.324	.284	.327	.281	.247	.226	.197	.175	.131	.116	.104	.042	.038	.034	
7.0	.374	.318	.278	.322	.275	.242	.222	.193	.172	.129	.114	.102	.042	.037	.034	
8.0	.368	.312	.274	.317	.271	.239	.219	.190	.169	.128	.112	.101	.041	.037	.033	
9.0	.363	.308	.271	.312	.267	.236	.216	.188	.168	.126	.111	.100	.041	.036	.033	
10.0	.357	.304	.268	.308	.264	.234	.214	.186	.166	.125	.110	.099	.040	.036	.033	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm											
NAME: LLS-BH3360FD1200					TYPE:			WEIGHT:			
SPEC.:LLS-BH3360FD1200					DIM.: 1200*33*60mm			SERIAL No.:			
MFR.: COLORS					SUR.:1200*33mm			Shielding 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	17.4	18.5	18.0	19.1	19.9	17.8	18.9	18.4	19.6	20.3	
	3H	18.5	19.5	19.2	20.2	21.0	19.2	20.2	19.9	20.9	21.7
	4H	18.9	19.8	19.6	20.5	21.3	19.7	20.6	20.4	21.3	22.2
	6H	19.0	19.9	19.7	20.6	21.5	20.0	20.9	20.7	21.6	22.5
	8H	19.0	19.8	19.7	20.6	21.4	20.1	20.9	20.8	21.6	22.5
	12H	18.9	19.7	19.7	20.5	21.4	20.1	20.9	20.8	21.6	22.5
4H	2H	17.8	18.8	18.5	19.5	20.3	18.2	19.1	18.9	19.8	20.7
	3H	19.1	19.9	19.9	20.7	21.6	19.7	20.5	20.4	21.3	22.1
	4H	19.6	20.3	20.4	21.1	22.0	20.3	21.0	21.1	21.8	22.7
	6H	19.8	20.4	20.6	21.2	22.2	20.7	21.4	21.5	22.1	23.1
	8H	19.8	20.4	20.6	21.2	22.2	20.8	21.4	21.6	22.2	23.2
	12H	19.8	20.3	20.6	21.1	22.1	20.9	21.4	21.7	22.2	23.2
8H	4H	19.7	20.3	20.5	21.1	22.1	20.4	21.0	21.2	21.8	22.7
	6H	20.0	20.5	20.9	21.3	22.4	20.9	21.4	21.7	22.2	23.2
	8H	20.1	20.5	20.9	21.3	22.4	21.1	21.5	21.9	22.3	23.4
	12H	20.1	20.4	20.9	21.3	22.3	21.2	21.5	22.0	22.4	23.4
12H	4H	19.7	20.2	20.5	21.0	22.0	20.3	20.9	21.1	21.7	22.7
	6H	20.0	20.5	20.9	21.3	22.3	20.9	21.3	21.7	22.1	23.2
	8H	20.1	20.5	21.0	21.3	22.4	21.0	21.4	21.9	22.3	23.3
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3					

CIE Pub.117, 2780 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.6$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

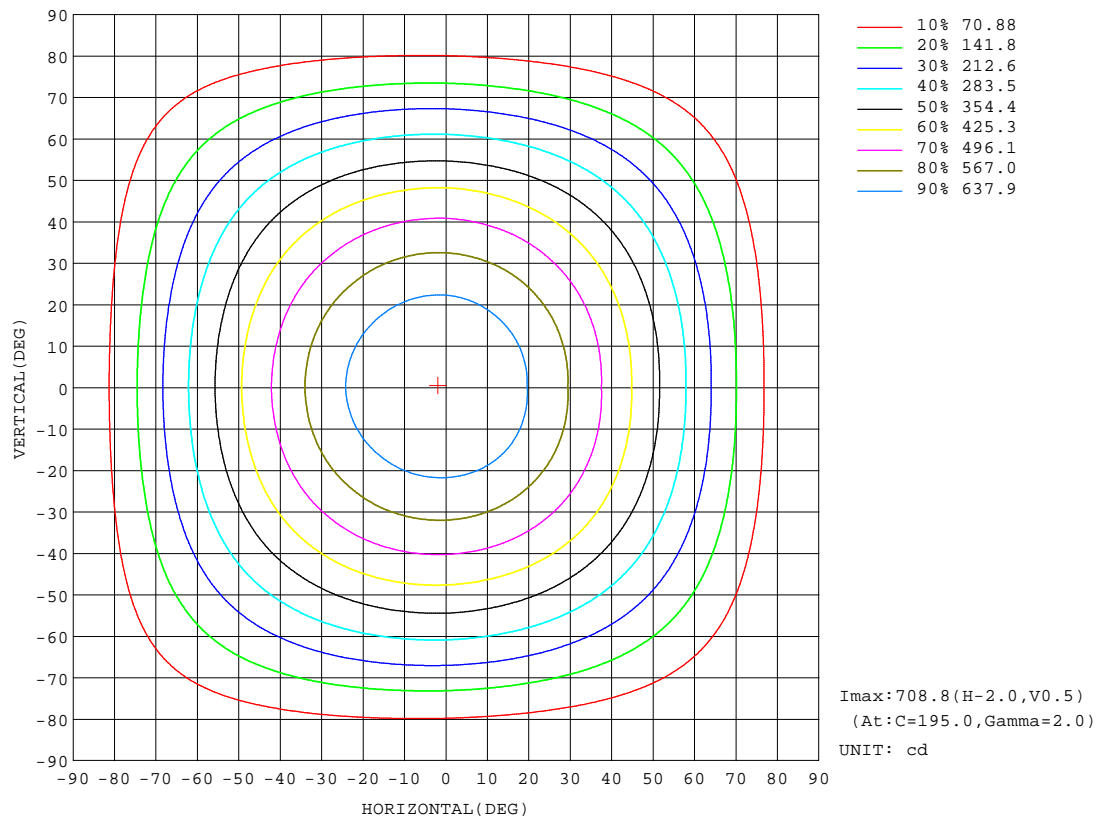
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	38	32	48	37	31	45	36	30	23
0.80	59	48	41	57	46	40	52	44	38	29
1.00	67	56	49	64	54	47	59	52	45	35
1.25	74	63	56	71	61	55	65	57	51	40
1.50	79	69	62	76	66	60	69	61	56	44
2.00	86	77	71	82	74	68	74	68	63	49
2.50	90	82	76	86	79	73	77	72	67	52
3.00	94	87	81	89	83	78	80	75	71	54
4.00	98	92	87	93	88	83	83	79	76	58
5.00	101	95	91	95	91	87	85	82	79	60
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:JYH
 Test Date:01

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:



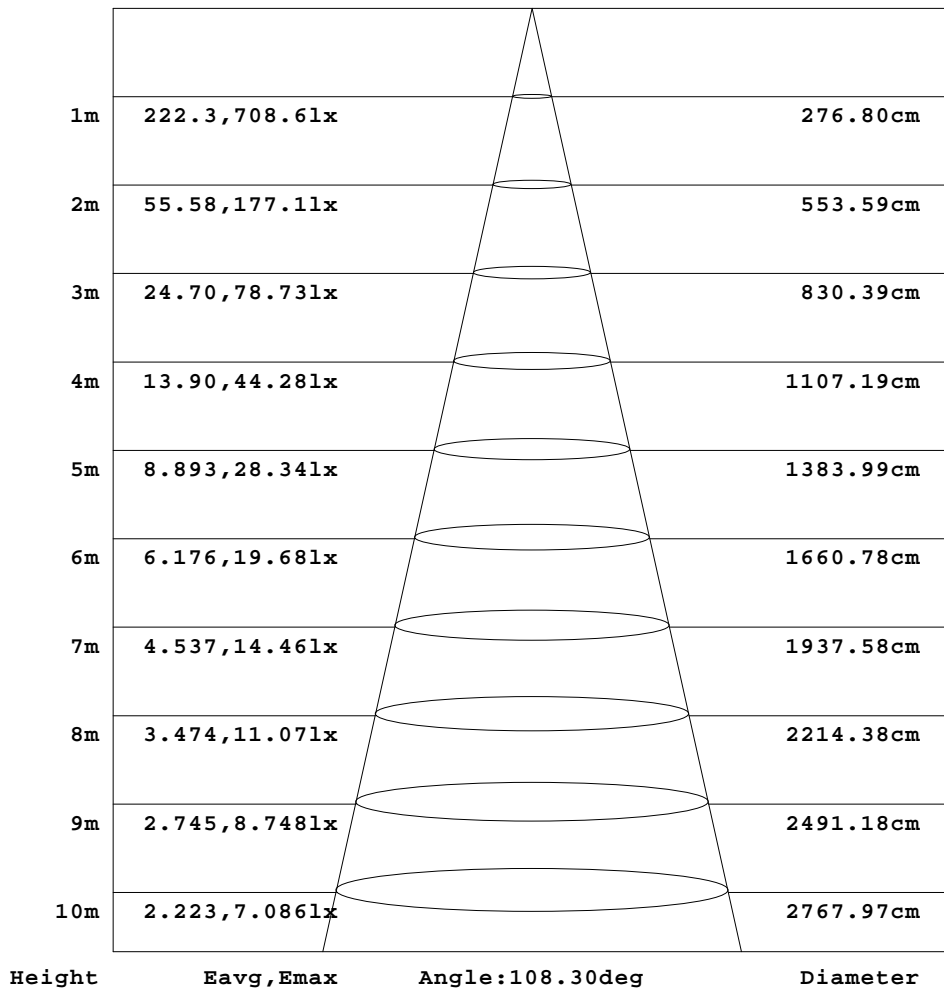
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: JYH
Test Date: 01

deg Range: 0 - 180DEG
Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

Flux out:1373 lm



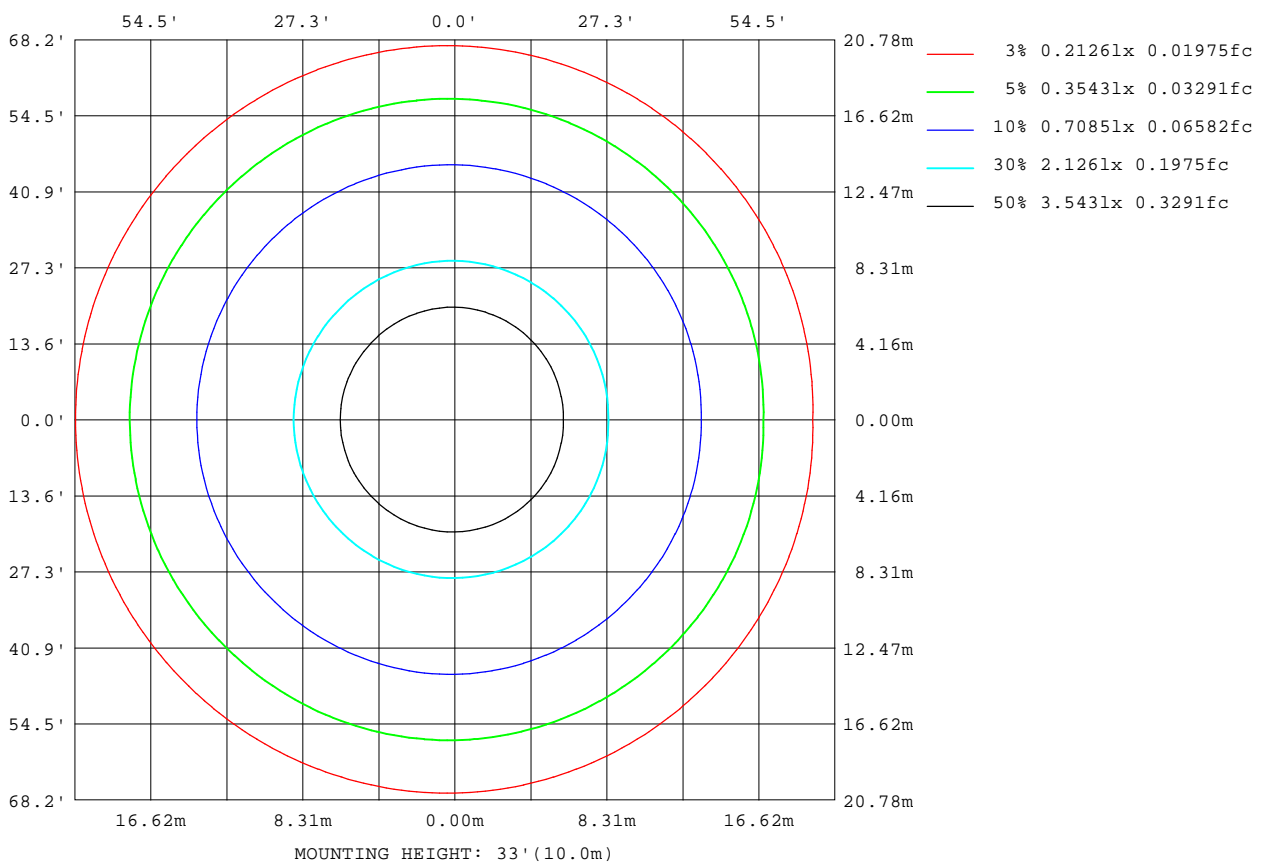
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: JYH
Test Date: 01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:JYH
 Test Date:01

Range: 0 - 180DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

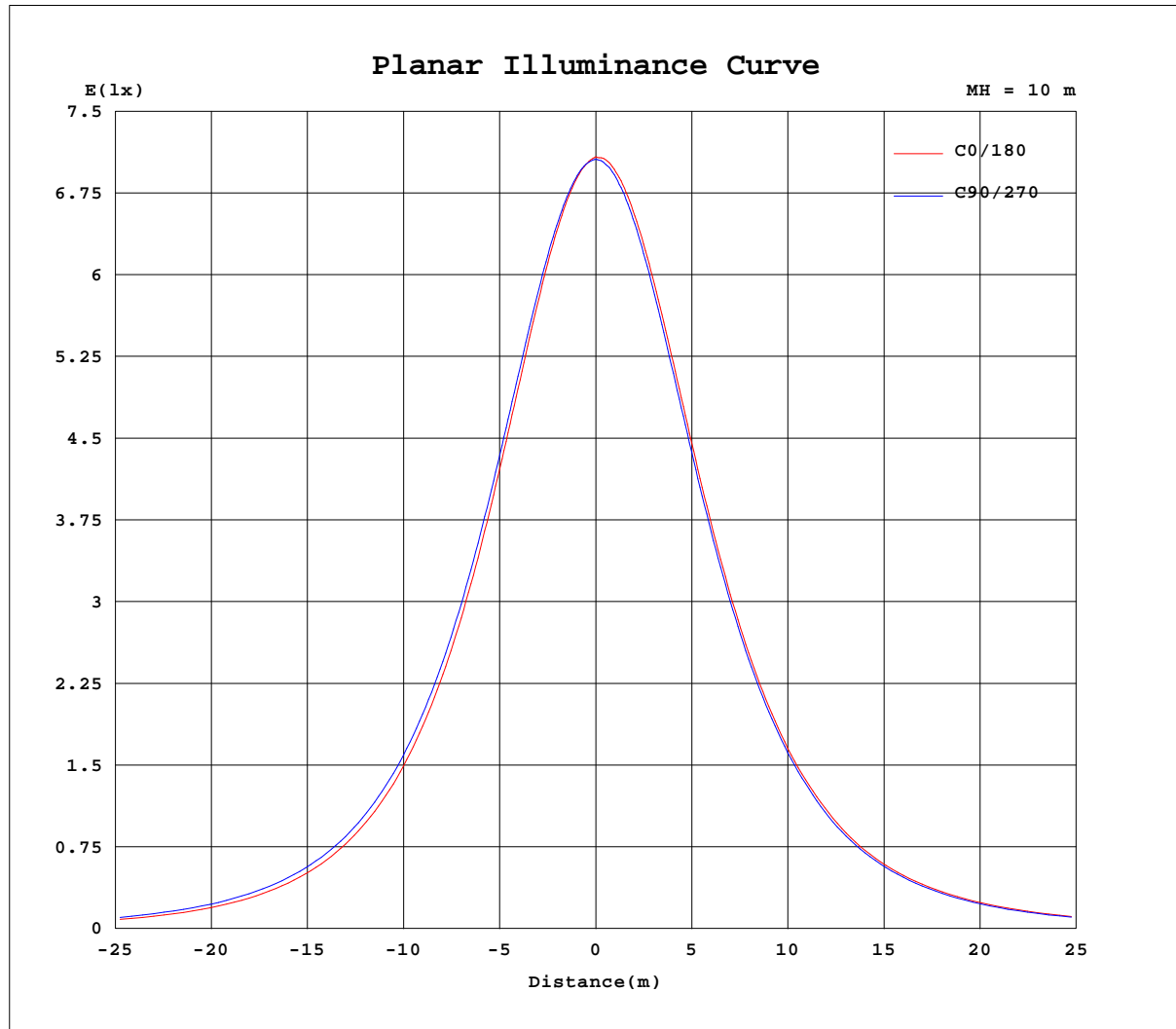
AvgL	cd/m2
L_0~180(65)av	17802
L_0~180(75)av	14489
L_0~180(85)av	9926
L_90~270(65)av	18733
L_90~270(75)av	15775
L_90~270(85)av	10582
L_45(65)av	18296
L_45(75)av	15149
L_45(85)av	9370

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: JYH
Test Date: 01

deg Range: 0 - 180DEG
deg Interval: 0.5DEG
Test System: EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

Table--1

UNIT: cd

C(DEC) g (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	709	708	708	708	708	708	708	708	708	708	707	707	707	707	707	707	706	706	706
5	700	701	701	701	701	702	702	702	702	702	702	702	702	702	702	702	702	702	702
10	685	686	686	687	687	688	688	689	689	689	689	690	690	690	690	690	690	690	690
15	664	665	665	666	667	667	668	668	669	669	670	670	670	671	671	671	672	672	672
20	635	636	637	638	639	639	640	641	642	642	643	644	644	645	646	646	647	648	648
25	601	602	603	604	605	606	607	608	609	610	611	612	613	613	614	615	616	617	617
30	563	564	565	566	567	568	570	571	572	573	574	575	576	577	579	580	581	582	582
35	519	520	522	523	524	526	527	528	530	531	532	534	535	536	537	539	540	541	542
40	473	474	476	477	479	480	481	483	484	486	487	489	490	492	493	495	496	497	499
45	423	425	426	428	429	431	433	434	436	437	439	441	442	444	446	447	449	450	452
50	371	372	373	374	376	377	378	380	381	383	385	387	389	391	393	395	397	399	401
55	316	317	319	320	321	323	324	326	328	330	332	334	336	338	340	343	345	347	348
60	260	261	262	264	265	267	269	270	272	274	276	278	281	283	285	288	290	292	294
65	201	202	204	206	208	209	211	213	215	217	220	222	224	226	229	231	233	235	237
70	143	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178
75	88.4	90.2	91.9	93.7	95.5	97.3	99.1	101	103	104	106	108	110	112	114	116	118	119	121
80	41.4	42.9	44.4	45.9	47.4	48.9	50.5	52.0	53.5	55.1	56.7	58.4	60.0	61.6	63.2	64.7	66.2	67.6	69.0
85	8.93	9.68	10.5	11.3	12.1	13.0	13.8	14.8	15.7	16.7	17.8	19.0	20.1	21.3	22.4	23.5	24.6	25.7	26.7
90	5.32	5.48	5.61	5.70	5.76	5.78	5.77	5.73	5.65	5.54	5.10	4.65	4.21	3.80	3.45	3.17	2.98	2.92	3.00
95	8.87	9.58	10.2	10.8	11.4	11.9	12.3	12.7	13.0	13.3	13.2	13.1	12.9	12.8	12.7	12.7	12.8	13.0	13.4
100	19.3	20.2	21.0	21.9	22.7	23.5	24.3	25.1	25.8	26.5	27.0	27.4	27.9	28.4	28.9	29.5	30.1	30.9	31.7
105	35.0	36.4	37.8	39.1	40.4	41.7	42.9	44.1	45.2	46.3	47.2	48.0	48.8	49.7	50.5	51.4	52.3	53.2	54.3
110	55.5	57.7	59.7	61.7	63.5	65.3	66.9	68.5	69.9	71.2	72.2	73.0	73.9	74.6	75.4	76.1	76.9	77.7	78.6
115	78.3	80.6	82.8	84.9	86.9	88.8	90.6	92.2	93.8	95.2	96.3	97.4	98.3	99.2	100	101	102	103	104
120	102	105	107	109	111	113	114	116	118	119	120	122	123	124	125	126	126	127	128
125	126	129	131	133	134	136	138	140	141	143	144	145	146	147	148	149	150	151	152
130	150	152	154	155	157	159	160	162	163	165	166	167	168	170	171	172	173	174	176
135	173	174	176	177	179	180	182	183	184	186	187	189	190	191	193	194	195	197	198
140	194	196	198	200	201	203	204	206	207	209	210	211	212	213	215	216	217	218	219
145	215	217	219	220	222	223	225	226	228	229	230	231	233	234	235	236	236	237	238
150	234	236	237	239	241	242	243	245	246	247	249	250	251	252	253	254	255	255	256
155	252	254	255	257	258	259	260	262	263	264	265	266	267	268	269	270	271	272	273
160	269	270	271	272	274	275	276	277	278	279	280	281	282	283	283	284	285	286	287
165	283	284	285	286	287	288	289	290	291	292	292	293	294	295	295	296	297	297	298
170	296	296	297	298	299	300	300	301	302	302	303	303	304	304	305	305	306	306	306
175	304	305	306	306	307	308	308	309	309	310	310	310	311	311	311	311	311	312	312
180	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	706	706	706	706	705	705	705	705	706	706	706	706	707	707	708	708	708	709	709
5	702	702	702	702	702	702	702	702	703	703	704	704	705	705	706	706	707	707	707
10	690	691	691	691	692	692	693	693	693	694	695	696	696	697	698	698	699	699	699
15	673	673	674	674	675	675	676	676	677	678	679	680	681	681	682	683	683	684	684
20	649	649	650	650	651	652	652	653	654	655	656	657	658	659	660	661	661	662	662
25	618	619	619	620	621	622	622	623	624	625	626	628	629	630	631	632	632	633	633
30	583	584	585	586	586	587	588	588	589	590	592	593	594	595	596	597	597	598	598
35	543	544	545	546	547	548	548	549	550	551	552	554	555	556	557	557	558	558	558
40	500	501	502	503	503	504	505	506	507	508	509	510	511	513	514	514	515	516	515
45	453	454	455	456	456	457	458	459	460	461	462	463	464	465	466	467	468	468	468
50	402	403	404	405	406	407	407	408	409	410	412	413	414	415	416	417	418	418	418
55	349	350	351	352	353	353	354	354	355	356	357	358	359	360	360	361	362	362	362
60	295	296	297	297	298	299	299	300	300	301	302	303	304	305	306	306	307	307	307
65	238	239	240	241	241	242	243	243	244	245	246	247	248	249	249	250	250	251	251
70	179	180	181	182	183	184	185	186	187	188	189	190	191	191	192	193	193	193	193
75	122	124	125	126	127	127	128	129	130	131	132	133	134	135	135	136	136	137	136
80	70.1	71.0	72.0	72.9	73.7	74.5	75.2	75.9	76.6	77.6	78.6	79.5	80.4	81.2	81.9	82.5	82.9	83.2	82.9
85	27.3	27.8	28.4	28.9	29.4	29.9	30.5	31.1	31.7	33.2	34.7	36.2	37.7	39.0	40.3	41.4	42.3	43.0	42.3
90	3.74	4.63	5.65	6.78	8.01	9.33	10.7	12.2	13.6	15.5	17.3	19.1	20.7	22.2	23.5	24.6	25.4	25.9	24.8
95	14.5	15.8	17.2	18.7	20.3	21.9	23.6	25.4	27.1	29.2	31.2	33.1	34.9	36.5	37.9	39.0	39.8	40.3	39.0
100	33.1	34.6	36.2	37.9	39.6	41.4	43.2	45.0	46.9	49.2	51.4	53.6	55.6	57.4	58.9	60.2	61.1	61.7	60.3
105	55.7	57.2	58.8	60.4	62.1	63.8	65.5	67.3	69.1	71.5	73.8	76.0	78.1	80.0	81.6	82.9	84.0	84.6	83.2
110	80.0	81.4	82.9	84.5	86.1	87.8	89.5	91.2	93.0	95.3	97.6	99.7	102	104	105	107	108	108	107
115	105	106	108	109	111	112	114	115	117	119	121	123	125	127	129	130	131	132	130
120	130	131	132	133	135	136	138	139	141	143	145	147	149	151	152	153	154	155	154
125	154	155	156	157	158	160	161	162	164	166	168	170	172	173	175	176	177	178	176
130	177	178	179	180	181	182	183	185	186	188	190	192	194	195	197	198	199	200	198
135	199	200	201	202	203	204	205	206	207	209	211	213	215	216	217	219	220	220	219
140	220	221	222	222	223	224	225	226	228	229	231	233	234	236	237	238	239	240	239
145	239	240	241	242	243	244	244	245	246	248	250	251	252	254	255	256	257	257	257
150	257	258	259	259	260	261	262	263	263	265	266	268	269	270	271	272	273	273	272
155	273	274	275	275	276	277	277	278	279	280	281	282	283	284	285	286	286	287	286
160	287	288	288	289	289	290	290	291	291	292	293	294	295	296	297	297	298	298	297
165	299	299	300	300	300	301	301	302	302	303	303	304	305	305	306	306	306	306	306
170	307	307	308	308	308	309	309	309	309	310	310	310	311	311	311	311	311	311	311
175	312	312	313	313	313	313	313	313	313	313	313	313	313	313	313	312	312	312	312
180	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	709	709	708	708	708	708	708	708	707	707	707	707	707	707	706	706	706	706	706
5	707	707	707	707	706	706	706	705	705	705	704	704	704	703	703	703	702	702	702
10	699	699	699	698	698	697	697	696	696	695	695	694	694	693	693	692	692	691	691
15	684	683	683	682	682	681	681	680	679	679	678	678	677	676	676	675	674	674	673
20	661	661	660	659	659	658	657	656	656	655	654	654	653	653	652	651	651	650	649
25	632	632	631	630	630	629	628	627	626	626	625	625	624	623	623	622	621	620	619
30	597	597	596	596	595	594	593	592	591	591	590	590	589	588	588	587	586	585	583
35	558	557	557	556	555	554	553	552	552	551	551	550	550	549	548	548	547	545	544
40	515	514	514	513	512	511	510	509	508	508	508	507	507	506	505	505	504	502	500
45	467	467	466	465	464	463	462	461	461	461	460	460	460	459	458	458	457	455	453
50	418	417	416	415	415	414	412	411	411	410	409	409	408	407	406	405	404	402	401
55	362	362	362	361	361	360	359	359	358	357	357	356	355	354	353	352	351	349	347
60	307	307	307	306	305	305	304	303	303	302	301	301	300	299	298	297	296	294	292
65	251	250	250	249	249	248	247	246	246	245	245	244	243	242	241	240	238	237	235
70	193	192	191	191	190	189	188	187	187	186	186	185	184	184	183	182	181	179	177
75	136	135	135	134	133	132	131	130	130	129	129	128	127	127	126	125	124	122	120
80	82.4	81.8	81.1	80.4	79.5	78.6	77.7	76.8	76.3	75.9	75.4	74.9	74.4	73.7	73.1	72.3	71.4	70.1	68.6
85	41.4	40.3	39.0	37.7	36.2	34.8	33.3	31.9	31.5	31.1	30.8	30.5	30.2	29.9	29.5	29.1	28.7	27.7	26.5
90	23.4	21.7	19.9	17.8	15.7	13.6	11.4	9.35	8.10	6.96	5.93	5.02	4.23	3.56	3.00	2.56	2.23	2.22	2.31
95	37.4	35.5	33.3	31.1	28.6	26.2	23.7	21.3	19.7	18.2	16.9	15.6	14.5	13.5	12.6	11.9	11.3	11.1	11.1
100	58.6	56.5	54.3	51.8	49.1	46.5	43.8	41.1	39.5	37.9	36.5	35.1	33.9	32.7	31.7	30.7	29.9	29.2	28.6
105	81.4	79.4	77.1	74.5	71.9	69.2	66.5	63.8	62.3	60.8	59.5	58.3	57.1	56.0	55.0	54.0	53.0	52.0	51.0
110	105	103	101	98.4	95.8	93.2	90.5	88.0	86.6	85.3	84.0	82.9	81.9	80.8	79.9	78.9	77.9	76.7	75.5
115	129	127	125	122	120	117	115	112	111	110	109	108	107	106	105	104	103	102	100
120	152	150	148	146	144	141	139	136	135	134	133	132	131	130	129	129	128	126	125
125	175	173	171	169	167	164	162	160	159	158	157	156	155	154	153	153	152	151	149
130	197	195	193	191	189	187	185	183	182	181	180	179	178	177	177	176	175	174	173
135	218	216	215	213	211	209	207	205	204	203	202	201	201	200	199	198	198	196	195
140	238	236	235	233	231	230	228	226	225	224	224	223	222	221	221	220	219	218	216
145	256	254	253	251	250	248	246	245	244	244	243	242	242	241	241	240	239	238	237
150	271	270	269	268	266	265	263	262	261	261	260	260	260	259	259	258	258	256	255
155	285	284	283	282	281	279	278	277	276	276	276	275	275	275	274	274	273	272	271
160	297	296	295	294	293	292	291	290	289	289	289	289	288	288	288	287	287	286	285
165	306	305	304	304	303	302	301	301	300	300	300	299	299	299	299	298	298	297	296
170	311	310	310	310	309	309	309	308	308	308	308	307	307	307	307	307	306	306	305
175	312	312	312	312	312	312	312	313	313	312	312	312	312	312	312	312	312	312	311
180	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.1290A P:27.48W PF:0.9400 Freq:50.00Hz Lamp Flux:2780.43x1 lm		
NAME: LLS-BH3360FD1200	TYPE:	WEIGHT:
SPEC.:LLS-BH3360FD1200	DIM.: 1200*33*60mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*33mm	Shielding Angle:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	706	706	705	705	705	705	706	706	706	706	706	707	707	708	708				
5	702	701	701	701	701	700	700	700	700	700	700	700	700	700	700				
10	690	690	689	689	688	688	687	687	687	686	686	686	686	686	685				
15	672	671	670	670	669	668	667	667	666	666	666	665	665	664	664				
20	648	647	646	645	644	643	642	641	640	639	639	638	637	636	636				
25	617	616	615	613	612	611	609	608	607	606	605	604	603	602	602				
30	582	580	579	577	576	574	573	572	570	569	568	567	566	565	564				
35	542	541	539	537	535	534	532	530	529	527	526	524	523	522	520				
40	499	497	495	493	491	489	487	485	483	482	480	479	477	476	474				
45	451	449	447	445	443	440	438	436	434	433	431	429	428	426	425				
50	399	397	395	393	391	389	386	385	383	381	379	378	376	374	373				
55	345	343	341	339	337	335	333	331	329	327	325	324	322	320	318				
60	290	288	286	284	282	279	277	275	273	271	269	267	265	263	261				
65	233	231	229	227	225	222	220	218	216	214	212	209	207	205	203				
70	175	173	171	168	166	164	161	159	157	155	153	151	149	147	145				
75	119	117	115	113	110	108	106	104	102	100	98.1	96.2	94.2	92.3	90.3				
80	67.1	65.5	63.8	62.1	60.3	58.5	56.7	55.0	53.3	51.6	49.9	48.2	46.5	44.8	43.1				
85	25.4	24.1	22.9	21.6	20.2	18.9	17.6	16.6	15.5	14.5	13.5	12.5	11.6	10.7	9.78				
90	2.48	2.73	3.03	3.38	3.75	4.13	4.51	4.67	4.81	4.94	5.05	5.14	5.21	5.27	5.30				
95	11.2	11.3	11.5	11.7	12.0	12.2	12.3	12.2	12.0	11.7	11.4	11.0	10.5	10.0	9.48				
100	28.1	27.6	27.1	26.7	26.3	25.8	25.4	24.8	24.2	23.6	22.9	22.2	21.5	20.8	20.0				
105	50.1	49.1	48.2	47.2	46.3	45.3	44.4	43.4	42.4	41.3	40.3	39.3	38.2	37.1	36.1				
110	74.3	73.1	71.9	70.6	69.4	68.1	66.9	65.6	64.4	63.1	61.9	60.6	59.3	58.1	56.8				
115	99.2	97.9	96.5	95.2	93.8	92.4	91.0	89.7	88.3	86.9	85.5	84.1	82.7	81.2	79.8				
120	124	122	121	120	118	117	115	114	112	111	110	108	107	105	104				
125	148	147	145	144	142	141	139	138	137	135	134	132	131	129	128				
130	171	170	169	167	166	165	163	162	160	159	157	156	154	153	151				
135	194	192	191	190	188	187	185	184	183	181	180	178	177	175	174				
140	215	214	212	211	209	208	206	205	203	202	201	199	198	197	196				
145	235	234	232	231	229	227	226	224	223	222	221	219	218	217	216				
150	254	252	250	249	247	246	244	243	242	240	239	238	237	236	235				
155	269	268	267	265	264	262	261	260	259	258	257	256	255	254	253				
160	284	282	281	280	279	277	276	275	274	273	273	272	271	270	269				
165	295	294	293	292	291	290	289	289	288	287	286	286	285	284	284				
170	305	304	303	303	302	301	300	300	299	299	298	298	297	297	296				
175	311	311	311	310	310	310	309	309	308	308	307	307	306	306	305				
180	301	301	301	301	301	301	301	301	301	301	301	301	301	301	301				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.000m [K=1.0000]
Remarks: