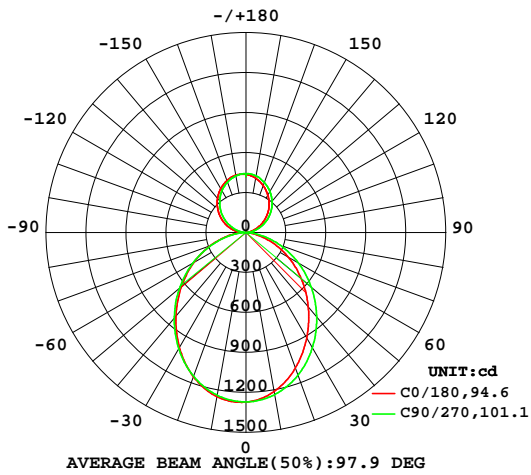


LUMINAIRE PHOTOMETRIC TEST REPORT

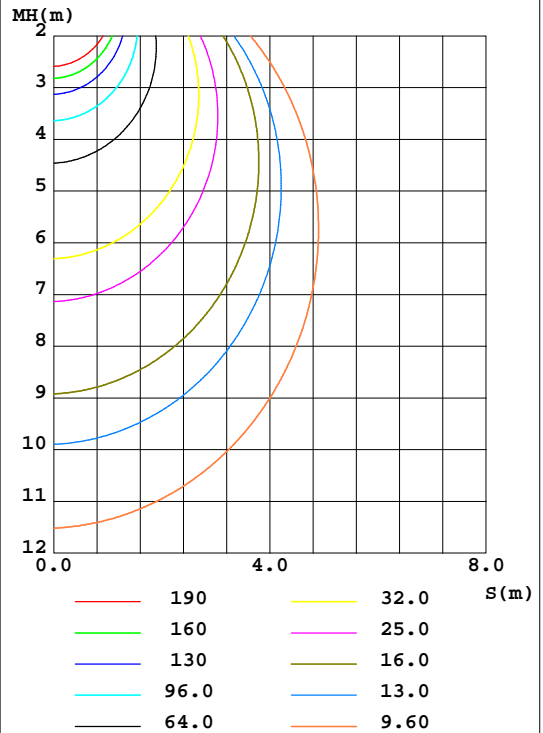
Test:U:220.0V I:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.02 lm/W			
MODEL	LLS-BH5470FD1200	I _{max} (cd)	1275	S/MH(C0/180)	1.09
NOMINAL POWER(W)	40.8	LOR(%)	100.0	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	220.0	TOTAL FLUX(lm)	4284.6	h UP,DN(C0-180)	14.1,35.6
NOMINAL FLUX(lm)	4284.64	CIE CLASS	SEMI-D.	h UP,DN(C180-360)	14.0,36.4
LAMPS INSIDE	1	h up(%)	28.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220.0	h down(%)	71.9	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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:

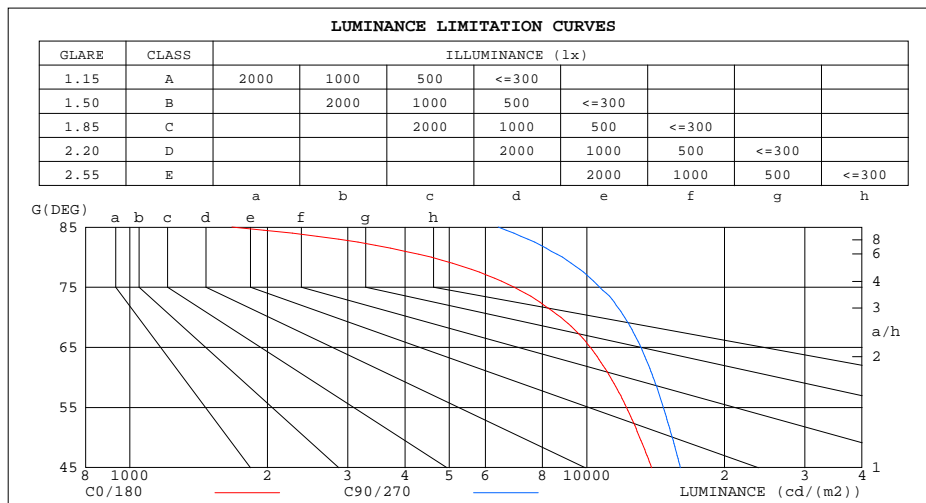
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	1212	1223	1236	1237	1251	1242	1241	1232	0- 10	119.6	119.6	2.79,2.79
20	1083	1108	1141	1138	1152	1143	1149	1130	10- 20	335.1	454.7	10.6,10.6
30	912.4	948.7	998.0	990.4	998.7	992.2	1009	979.3	20- 30	487.8	942.6	22,22
40	727.8	767.9	826.1	815.7	818.3	815.0	837.4	802.7	30- 40	558.4	1501	35,35
50	544.0	582.9	640.9	631.2	633.2	629.0	650.8	615.7	40- 50	547.9	2049	47.8,47.8
60	365.1	399.5	452.7	447.6	453.6	446.9	460.8	429.3	50- 60	469.3	2518	58.8,58.8
70	194.4	226.0	268.3	265.7	279.8	270.8	271.1	248.0	60- 70	338.7	2857	66.7,66.7
80	51.40	74.15	99.51	103.3	122.7	109.2	102.3	85.96	70- 80	180.6	3037	70.9,70.9
90	4.287	6.611	4.758	15.97	38.19	11.97	3.190	4.318	80- 90	45.04	3082	71.9,71.9
100	24.73	39.53	44.34	64.25	85.54	55.72	41.80	35.19	90-100	29.06	3111	72.6,72.6
110	76.12	102.5	109.6	128.9	151.4	121.1	108.3	94.22	100-110	84.01	3195	74.6,74.6
120	141.5	169.1	179.1	195.1	216.4	188.5	177.8	161.9	110-120	144.2	3340	77.9,77.9
130	207.7	233.5	245.4	260.2	277.9	253.3	246.5	228.3	120-130	189.8	3529	82.4,82.4
140	271.7	297.2	306.0	318.7	333.9	314.3	308.5	288.6	130-140	212.7	3742	87.3,87.3
150	328.0	350.6	359.0	369.5	381.1	364.7	363.4	341.9	140-150	208.1	3950	92.2,92.2
160	377.5	394.4	401.8	409.7	418.4	404.9	404.6	387.3	150-160	175.1	4125	96.3,96.3
170	416.1	427.7	433.0	436.0	438.1	435.0	432.6	424.4	160-170	117.6	4243	99,99
180	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	170-180	41.62	4285	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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1673	6402
80	4568	8843
75	6936	10668
70	8772	12108
65	10176	13137
60	11270	13972
55	12214	14708
50	13060	15386
45	13864	16027

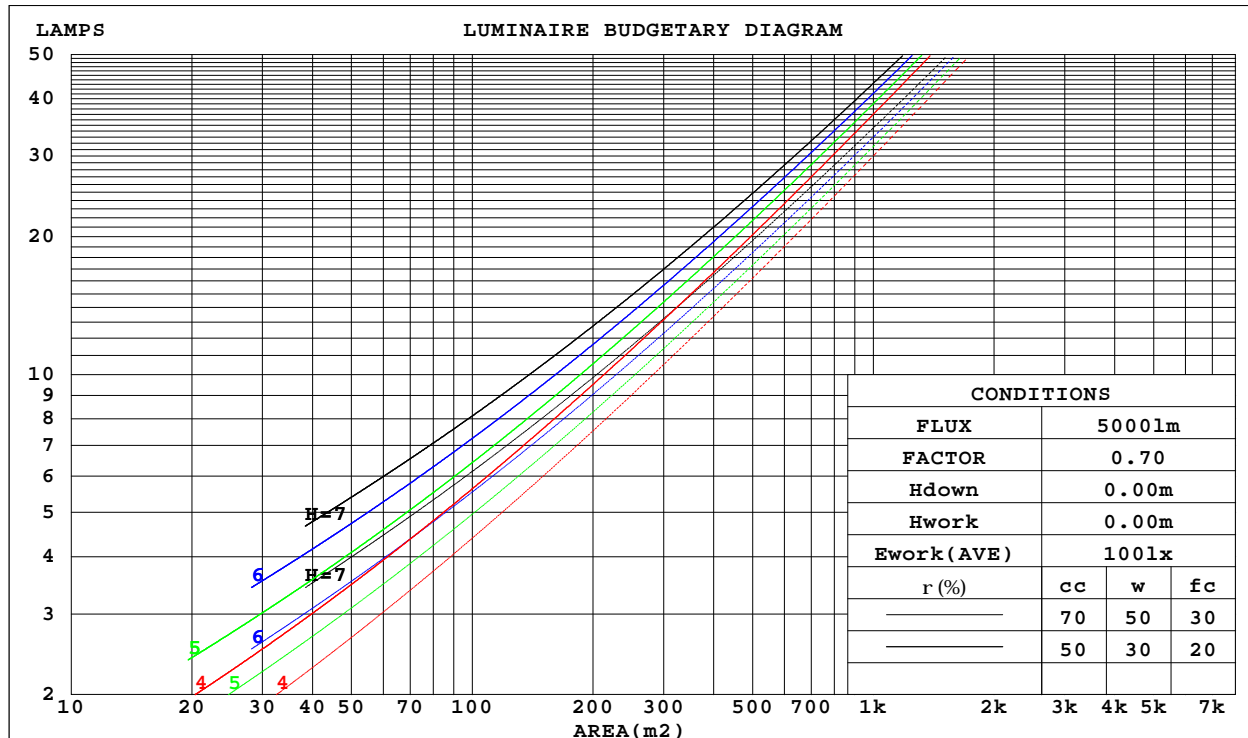
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	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	.96	.96	.96	.85	.85	.85	.76	.76	.76	.72
1.0	.99	.95	.91	.94	.90	.87	.84	.82	.79	.76	.74	.72	.68	.66	.65	.61
2.0	.86	.80	.75	.82	.76	.72	.74	.70	.66	.67	.63	.60	.60	.57	.55	.51
3.0	.76	.69	.63	.72	.66	.60	.66	.60	.56	.59	.55	.51	.53	.50	.47	.44
4.0	.68	.59	.53	.64	.57	.51	.58	.52	.48	.53	.48	.44	.48	.44	.41	.38
5.0	.60	.52	.46	.58	.50	.44	.52	.46	.41	.48	.42	.38	.43	.39	.36	.33
6.0	.54	.46	.40	.52	.44	.39	.47	.41	.36	.43	.38	.34	.39	.35	.31	.29
7.0	.49	.41	.35	.47	.40	.34	.43	.37	.32	.39	.34	.30	.36	.31	.28	.26
8.0	.45	.37	.31	.43	.36	.31	.39	.33	.29	.36	.31	.27	.33	.29	.25	.23
9.0	.41	.33	.28	.40	.32	.27	.36	.30	.26	.33	.28	.24	.31	.26	.23	.21
10.0	.38	.31	.26	.36	.30	.25	.34	.28	.24	.31	.26	.22	.28	.24	.21	.19



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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	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	.283	.161	.051	.268	.153	.048	.239	.137	.044	.212	.122	.039	.187	.109	.035	
2.0	.266	.146	.045	.252	.139	.043	.226	.126	.039	.202	.113	.035	.180	.102	.032	
3.0	.247	.132	.039	.235	.126	.038	.211	.114	.035	.189	.104	.032	.168	.093	.029	
4.0	.229	.119	.035	.218	.114	.034	.196	.104	.031	.176	.094	.028	.157	.085	.026	
5.0	.213	.108	.031	.202	.104	.030	.182	.095	.028	.164	.087	.026	.147	.078	.024	
6.0	.198	.099	.028	.188	.095	.027	.170	.087	.025	.153	.080	.023	.137	.072	.021	
7.0	.185	.091	.026	.176	.088	.025	.159	.081	.023	.144	.074	.021	.129	.067	.020	
8.0	.173	.085	.024	.165	.081	.023	.149	.075	.021	.135	.068	.020	.121	.062	.018	
9.0	.163	.079	.022	.155	.076	.021	.141	.070	.020	.127	.064	.018	.114	.058	.017	
10.0	.153	.073	.020	.146	.071	.020	.133	.065	.018	.120	.060	.017	.108	.054	.016	

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	.404	.404	.404	.346	.346	.346	.236	.236	.236	.135	.135	.135	.043	.043	.043	
1.0	.394	.372	.352	.337	.319	.303	.231	.220	.210	.133	.127	.122	.043	.041	.039	
2.0	.386	.349	.318	.330	.300	.275	.226	.208	.192	.131	.121	.112	.042	.039	.037	
3.0	.378	.332	.296	.324	.287	.256	.223	.199	.180	.129	.116	.106	.041	.038	.035	
4.0	.371	.320	.280	.318	.276	.244	.219	.192	.172	.127	.113	.101	.041	.037	.033	
5.0	.364	.310	.270	.313	.268	.235	.215	.187	.166	.125	.110	.098	.040	.036	.032	
6.0	.358	.302	.262	.307	.261	.228	.212	.183	.161	.123	.108	.096	.040	.035	.032	
7.0	.351	.295	.256	.302	.256	.223	.209	.179	.158	.121	.106	.094	.039	.035	.031	
8.0	.345	.290	.252	.297	.251	.220	.206	.177	.156	.120	.104	.093	.039	.034	.031	
9.0	.340	.285	.248	.293	.248	.217	.203	.174	.154	.118	.103	.092	.038	.034	.030	
10.0	.334	.281	.246	.288	.244	.214	.200	.172	.152	.117	.102	.091	.038	.033	.030	

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm											
NAME: LLS-BH5470FD1200					TYPE:01			WEIGHT:			
SPEC.:LLS-BH5470FD1200					DIM.: 1200*54*70mm			SERIAL No.:			
MFR.: COLORS					SUR.:1200*54mm			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	14.4	15.5	15.0	16.1	16.8	15.2	16.3	15.8	16.9	17.6	
	3H	15.4	16.4	16.0	17.1	17.8	16.5	17.5	17.1	18.2	18.9
	4H	15.7	16.6	16.4	17.3	18.1	17.0	17.9	17.6	18.6	19.4
	6H	15.8	16.7	16.5	17.4	18.2	17.2	18.1	17.9	18.8	19.6
	8H	15.7	16.6	16.4	17.3	18.1	17.3	18.2	18.0	18.9	19.7
	12H	15.7	16.5	16.4	17.2	18.0	17.3	18.1	18.0	18.8	19.7
4H	2H	14.8	15.8	15.5	16.5	17.3	15.5	16.5	16.2	17.1	17.9
	3H	16.0	16.8	16.7	17.5	18.4	17.0	17.8	17.7	18.5	19.3
	4H	16.4	17.1	17.1	17.9	18.7	17.5	18.3	18.3	19.0	19.9
	6H	16.6	17.2	17.3	18.0	18.9	17.9	18.5	18.7	19.3	20.2
	8H	16.6	17.1	17.3	17.9	18.8	18.0	18.6	18.8	19.4	20.3
	12H	16.5	17.0	17.3	17.8	18.8	18.0	18.6	18.8	19.4	20.3
8H	4H	16.5	17.1	17.3	17.9	18.8	17.6	18.2	18.3	18.9	19.8
	6H	16.8	17.3	17.6	18.1	19.0	18.0	18.5	18.8	19.3	20.3
	8H	16.8	17.2	17.6	18.0	19.0	18.2	18.6	19.0	19.4	20.4
	12H	16.8	17.1	17.6	18.0	19.0	18.2	18.6	19.1	19.4	20.5
12H	4H	16.5	17.1	17.3	17.8	18.8	17.5	18.1	18.3	18.8	19.8
	6H	16.8	17.2	17.6	18.0	19.0	18.0	18.4	18.8	19.2	20.2
	8H	16.8	17.2	17.7	18.0	19.0	18.2	18.5	19.0	19.4	20.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.1 / - 0.2					
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.4					

CIE Pub.117, 4285 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

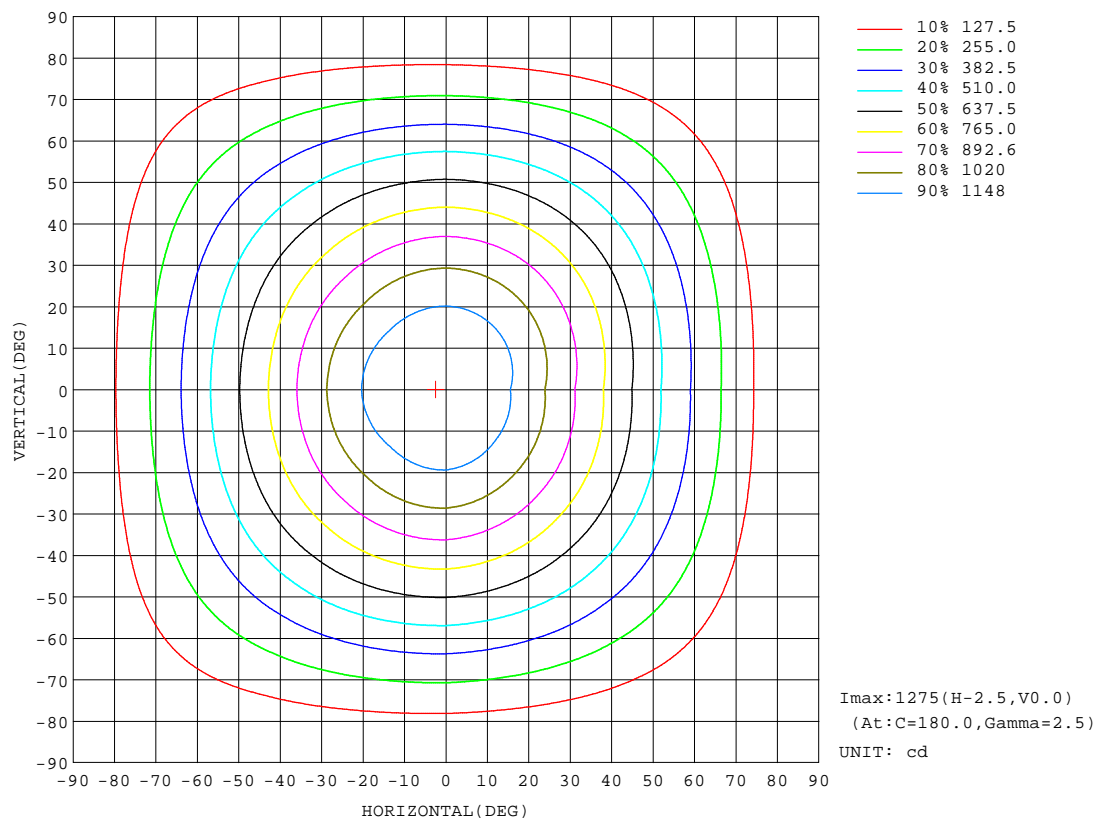
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	52	41	34	50	40	34	47	38	32	25
0.80	61	50	43	59	49	42	55	46	40	32
1.00	69	58	51	66	56	50	61	55	48	38
1.25	76	66	59	73	64	57	67	59	54	43
1.50	81	71	64	77	69	62	71	64	59	47
2.00	88	79	73	84	76	70	76	70	66	52
2.50	92	84	78	87	81	75	79	74	70	55
3.00	95	88	83	91	84	79	82	77	74	58
4.00	99	93	89	94	89	85	85	81	78	61
5.00	102	97	93	97	92	89	87	84	81	63
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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:



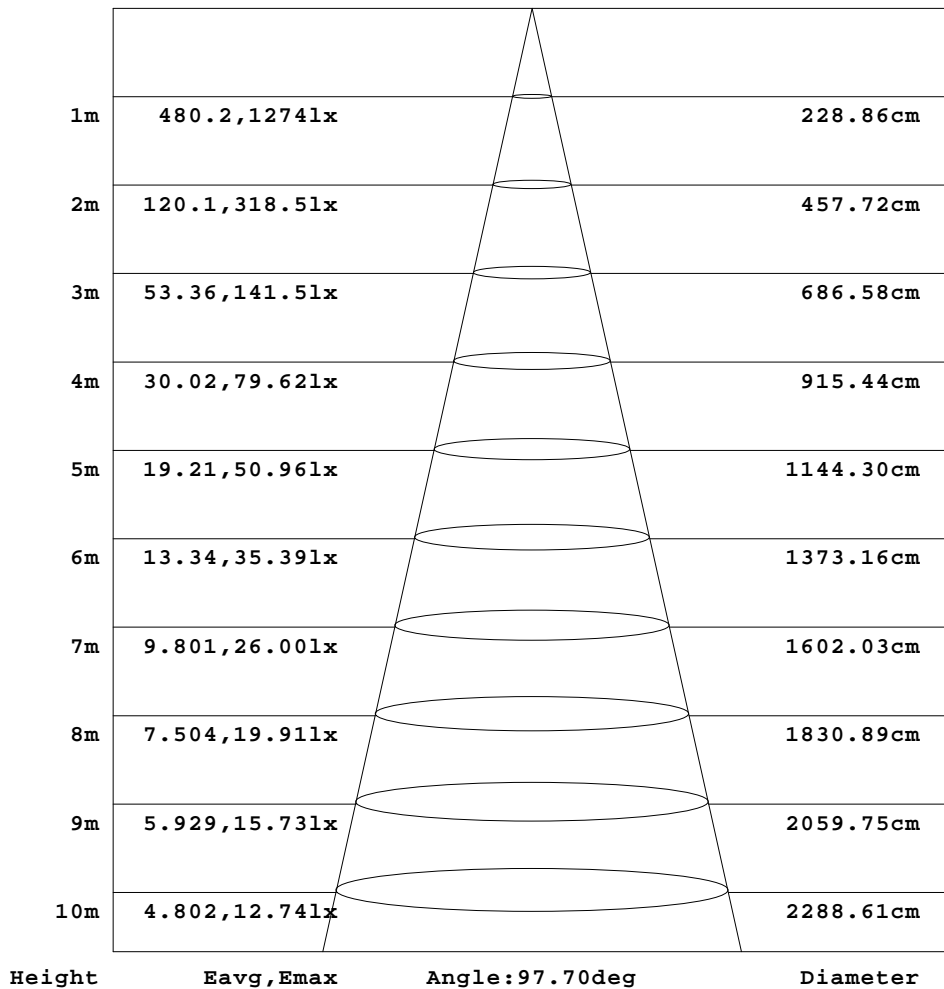
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:JYH
Test Date:01

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

Flux out:1997 lm



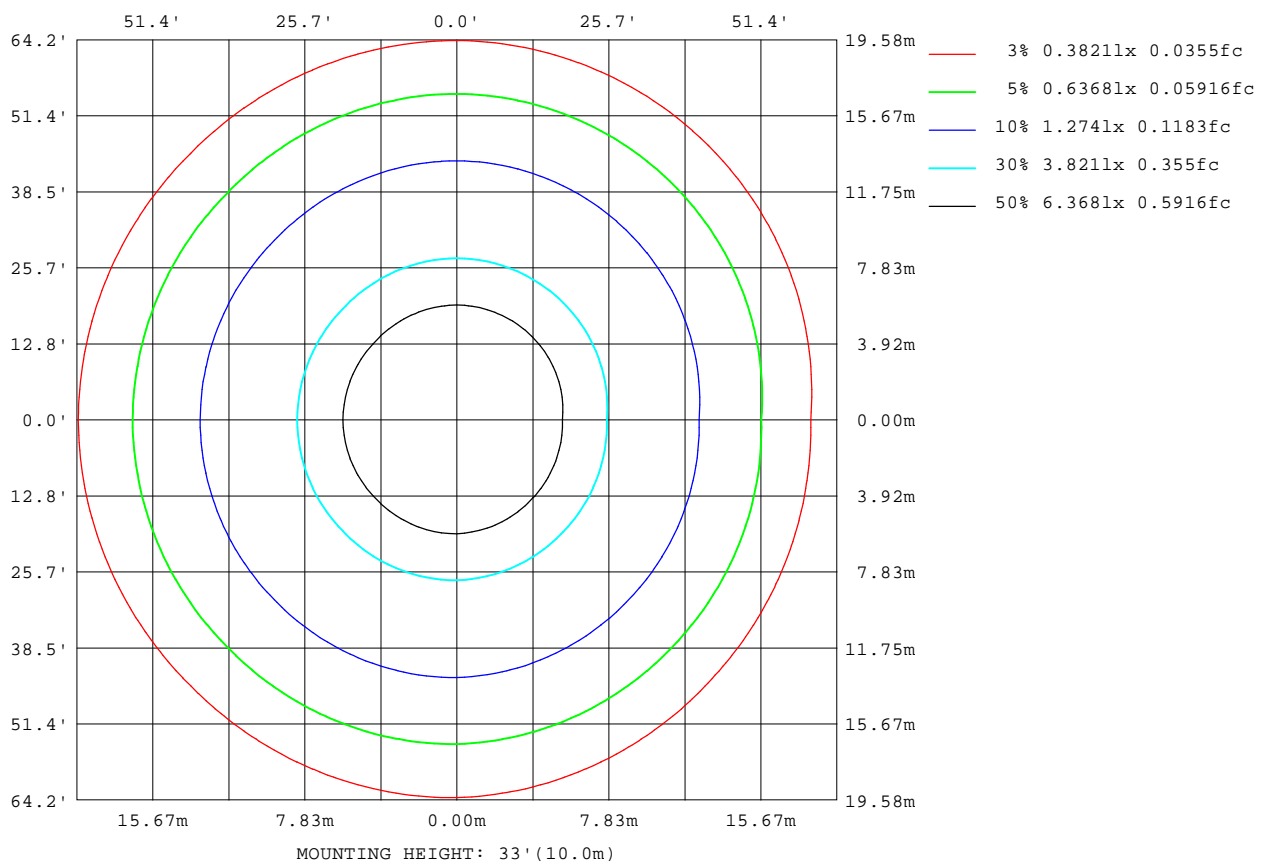
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:



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:

LED Avg.L Report

Test:U:220.0V I:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

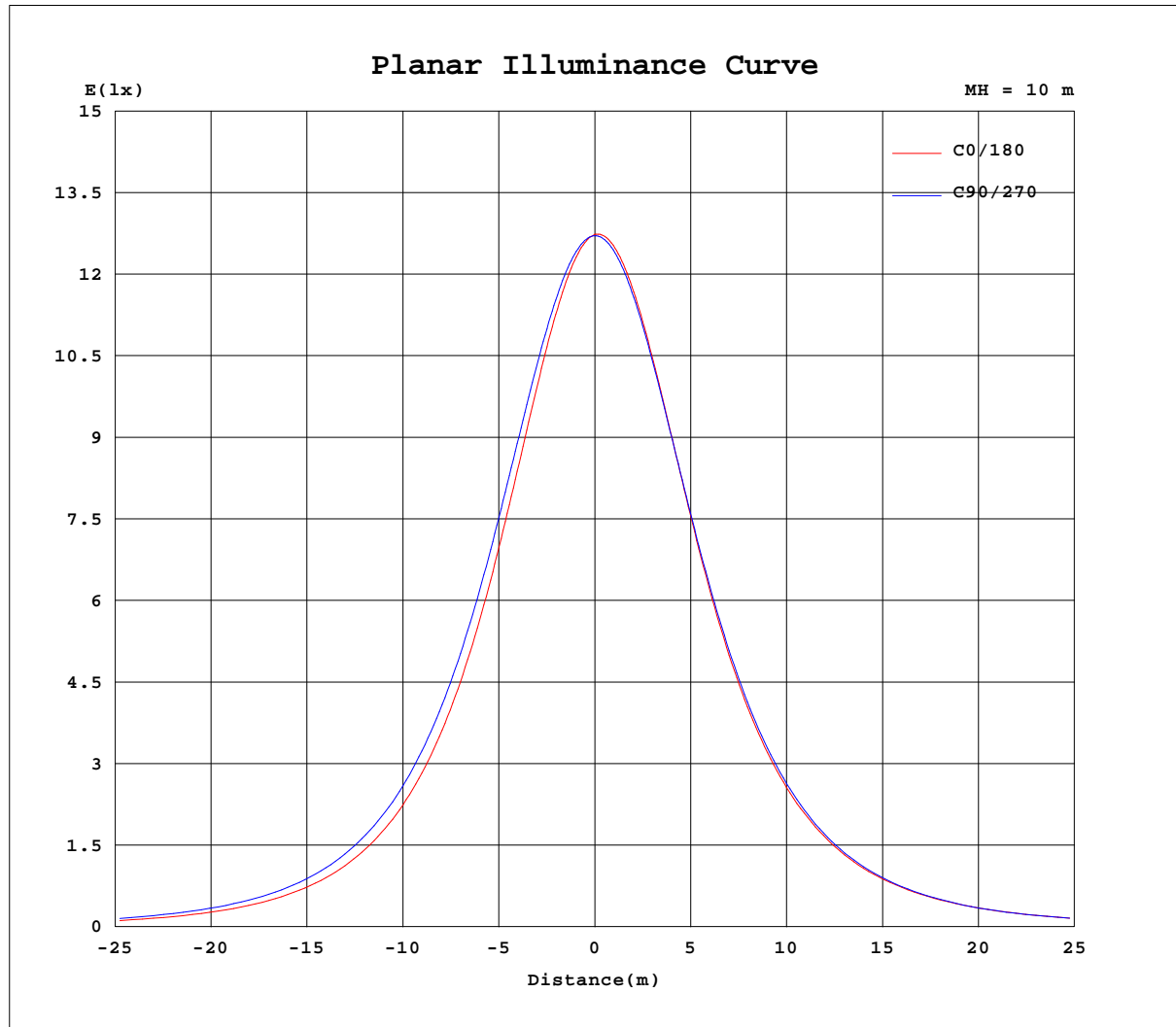
AvgL	cd/m2
L_0~180(65)av	11730
L_0~180(75)av	9391
L_0~180(85)av	6600
L_90~270(65)av	13204
L_90~270(75)av	10783
L_90~270(85)av	6605
L_45(65)av	12418
L_45(75)av	10062
L_45(85)av	5986

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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	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	1274	1273	1273	1273	1272	1272	1272	1272	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271
5	1253	1253	1253	1254	1254	1254	1255	1255	1256	1256	1257	1258	1258	1259	1259	1260	1261	1261	1262
10	1212	1213	1214	1215	1217	1218	1219	1220	1221	1223	1224	1226	1228	1229	1231	1232	1234	1235	1236
15	1155	1157	1158	1160	1162	1164	1166	1168	1171	1173	1176	1178	1181	1184	1186	1189	1191	1193	1195
20	1083	1086	1088	1091	1093	1096	1099	1102	1105	1108	1112	1116	1120	1124	1128	1132	1135	1138	1141
25	1001	1004	1007	1010	1014	1017	1021	1025	1028	1032	1038	1043	1048	1053	1058	1063	1067	1071	1074
30	912	916	919	923	927	931	935	940	944	949	955	961	967	973	979	984	990	994	998
35	821	824	828	832	836	840	845	849	854	859	866	873	880	887	893	900	905	910	915
40	728	731	735	739	743	748	753	757	763	768	775	782	790	797	804	810	816	821	826
45	635	639	642	646	651	655	660	665	670	675	682	690	697	704	711	718	724	730	734
50	544	547	551	555	559	563	568	573	578	583	590	597	604	611	618	625	631	636	641
55	454	457	461	465	468	473	477	482	486	491	498	505	512	519	525	531	537	542	547
60	365	368	371	374	378	382	386	390	395	400	406	412	419	425	432	438	443	448	453
65	279	281	284	288	291	295	298	302	307	311	317	323	329	335	341	346	351	356	360
70	194	197	201	204	207	211	214	218	222	226	231	236	242	247	252	256	261	265	268
75	116	119	122	126	129	132	135	139	142	145	150	154	158	162	166	169	173	176	179
80	51.4	53.8	56.2	58.7	61.2	63.7	66.3	68.9	71.5	74.1	77.3	80.4	83.5	86.5	89.5	92.3	94.9	97.3	99.5
85	9.45	10.7	11.9	13.2	14.5	15.9	17.3	18.7	20.1	21.6	23.3	25.1	26.8	28.5	30.2	31.8	33.4	34.8	36.2
90	4.29	4.75	5.16	5.53	5.84	6.09	6.30	6.46	6.56	6.61	6.30	5.95	5.61	5.28	4.99	4.78	4.65	4.63	4.76
95	9.71	11.2	12.7	14.0	15.1	16.2	17.1	17.9	18.6	19.1	19.1	18.9	18.7	18.5	18.3	18.2	18.2	18.4	18.7
100	24.7	26.9	28.9	30.8	32.5	34.2	35.7	37.1	38.4	39.5	40.1	40.6	41.0	41.4	41.8	42.3	42.9	43.5	44.3
105	47.1	50.0	52.9	55.5	58.0	60.3	62.5	64.5	66.3	68.0	69.0	69.9	70.7	71.5	72.3	73.0	73.8	74.7	75.7
110	76.1	80.0	83.6	87.0	90.2	93.1	95.8	98.3	100	102	104	105	105	106	107	107	108	109	110
115	108	112	116	120	123	126	129	131	134	136	137	138	139	140	141	142	143	144	144
120	142	145	149	153	156	159	162	164	167	169	171	172	173	174	175	176	177	178	179
125	175	179	182	185	188	191	194	197	199	201	203	204	206	207	208	209	210	212	213
130	208	211	215	218	221	224	226	229	231	233	235	237	238	239	241	242	243	244	245
135	241	244	247	250	253	256	258	261	263	265	266	268	269	271	272	273	274	276	277
140	272	275	279	282	285	288	291	293	295	297	299	300	301	302	303	304	304	305	306
145	301	304	308	311	313	316	319	321	323	325	326	328	329	330	330	331	332	333	333
150	328	331	334	337	340	342	345	347	349	351	352	353	354	355	356	357	357	358	359
155	354	357	359	362	364	366	368	370	372	374	375	376	377	378	379	380	380	381	382
160	377	380	382	384	386	388	390	391	393	394	396	397	397	398	399	400	400	401	402
165	398	400	402	404	405	407	408	410	411	412	413	414	415	416	417	418	418	419	420
170	416	418	419	421	422	423	424	426	427	428	428	429	430	431	431	432	432	433	433
175	429	430	432	433	434	435	436	437	438	438	439	439	440	440	440	440	440	441	441
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

Table--2

UNIT: cd

C(DEC) g (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1272	1272	1272	1273	1273	1273	1273	1274	1273
5	1262	1262	1262	1262	1262	1262	1262	1262	1263	1264	1265	1266	1267	1268	1269	1271	1271	1272	1272
10	1236	1236	1236	1236	1236	1236	1236	1236	1237	1238	1240	1242	1244	1245	1247	1249	1250	1251	1251
15	1196	1196	1196	1195	1195	1195	1195	1194	1194	1196	1198	1200	1202	1204	1206	1207	1209	1210	1210
20	1141	1141	1141	1141	1140	1139	1139	1138	1138	1139	1141	1143	1145	1146	1148	1150	1151	1152	1152
25	1075	1075	1074	1074	1073	1072	1071	1070	1069	1070	1071	1073	1074	1076	1077	1079	1080	1081	1080
30	999	999	998	997	996	995	993	992	990	991	992	993	994	995	996	997	998	999	998
35	915	915	915	914	912	911	909	907	905	905	906	906	907	908	908	909	909	910	909
40	827	827	826	825	824	822	820	818	816	816	816	816	816	817	817	818	818	818	818
45	735	735	735	733	732	730	728	726	724	724	724	724	724	724	724	725	725	725	725
50	642	642	641	640	639	637	635	633	631	631	631	631	632	632	632	633	633	633	632
55	548	548	547	546	545	544	542	540	539	539	539	540	540	540	541	541	542	542	542
60	454	454	454	453	453	451	450	449	448	448	449	450	450	451	452	453	453	454	453
65	361	361	360	360	359	358	356	355	354	355	356	357	358	360	361	362	363	364	363
70	269	269	269	269	269	268	267	266	266	267	269	271	272	274	276	277	279	280	279
75	180	180	181	181	181	181	181	181	181	183	185	187	190	192	194	196	197	199	198
80	100	101	101	102	102	102	102	103	103	106	108	110	113	115	117	119	121	123	122
85	36.6	36.9	37.2	37.4	37.8	38.2	38.7	39.4	40.3	43.2	46.3	49.5	52.7	55.7	58.6	61.1	63.4	65.1	64.1
90	5.40	6.19	7.15	8.25	9.51	10.9	12.5	14.1	16.0	19.0	22.1	25.1	28.0	30.8	33.2	35.3	37.0	38.2	36.5
95	20.1	21.7	23.4	25.3	27.3	29.5	31.7	34.0	36.3	39.2	42.0	44.7	47.3	49.6	51.5	53.2	54.3	55.0	53.2
100	46.1	47.9	50.0	52.1	54.4	56.8	59.2	61.7	64.2	67.5	70.7	73.8	76.7	79.3	81.5	83.4	84.7	85.5	83.5
105	77.5	79.5	81.5	83.7	86.0	88.4	90.8	93.3	95.8	99.2	103	106	109	111	114	116	117	118	116
110	111	113	115	117	119	122	124	126	129	132	136	139	142	145	147	149	150	151	149
115	146	148	150	151	153	156	158	160	162	165	169	172	175	177	180	182	183	184	182
120	181	182	184	185	187	189	191	193	195	198	201	204	207	210	212	214	215	216	214
125	214	216	218	219	221	223	225	227	229	232	235	237	240	242	244	246	247	248	246
130	247	248	250	252	253	255	257	258	260	263	265	268	270	273	274	276	277	278	276
135	278	280	281	283	284	286	287	289	290	293	295	298	300	302	304	305	306	307	305
140	307	309	310	311	313	314	316	317	319	321	323	325	327	329	331	332	333	334	333
145	335	336	337	339	340	341	343	344	346	348	350	352	353	355	356	358	358	359	358
150	360	361	362	363	365	366	367	368	370	371	373	375	376	378	379	380	381	381	380
155	383	384	385	386	387	388	389	390	391	392	394	395	396	397	398	399	400	400	399
160	403	404	404	405	406	407	408	409	410	411	412	414	415	416	417	418	418	418	417
165	420	421	422	422	423	424	424	425	425	426	427	428	428	429	430	430	430	431	430
170	433	434	434	435	435	435	435	436	436	436	437	437	437	438	438	438	438	438	438
175	441	441	441	441	442	442	442	442	442	442	441	441	441	441	441	440	440	440	440
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

Table--3

UNIT: cd

C(DEC) g (DEC)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1273	1273	1273	1272	1272	1272	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271	1271
5	1271	1271	1270	1269	1268	1268	1267	1266	1265	1265	1265	1265	1265	1264	1264	1264	1264	1264	1263
10	1250	1249	1248	1247	1246	1244	1243	1242	1242	1241	1241	1241	1241	1241	1241	1241	1241	1240	1240
15	1209	1208	1207	1205	1204	1202	1201	1200	1200	1200	1200	1201	1201	1201	1202	1202	1202	1201	1200
20	1151	1150	1149	1147	1146	1145	1144	1143	1143	1144	1145	1146	1147	1148	1148	1149	1149	1148	1147
25	1079	1078	1077	1076	1075	1074	1073	1072	1073	1075	1077	1078	1080	1081	1083	1084	1084	1083	1082
30	997	996	995	994	994	993	992	992	994	996	999	1001	1003	1005	1007	1008	1009	1008	1006
35	909	908	907	907	906	906	906	906	908	911	914	916	919	921	923	925	926	925	923
40	817	816	816	815	815	815	815	815	818	821	824	827	830	832	834	836	837	836	834
45	724	723	723	722	722	722	722	722	725	729	732	735	738	741	744	746	747	745	743
50	632	631	630	630	629	629	629	629	632	635	637	640	643	646	648	650	651	649	647
55	541	540	539	539	538	538	537	537	540	542	545	547	550	552	553	555	556	554	552
60	452	451	450	449	448	448	447	447	449	451	452	454	456	458	459	460	461	459	457
65	363	362	361	361	360	359	358	358	359	360	361	362	362	363	363	364	363	362	360
70	279	278	277	276	274	273	272	271	271	271	271	272	272	272	272	272	271	270	268
75	197	196	195	194	192	190	189	187	187	186	186	186	185	185	184	184	183	181	180
80	121	120	118	117	115	113	111	109	108	108	107	106	106	105	104	103	102	101	99.8
85	62.6	60.7	58.4	56.0	53.4	50.7	48.0	45.4	44.3	43.3	42.5	41.7	41.0	40.4	39.7	39.1	38.4	37.5	36.6
90	34.2	31.6	28.6	25.4	22.0	18.6	15.2	12.0	10.3	8.78	7.48	6.37	5.42	4.65	4.02	3.54	3.19	3.03	2.97
95	50.8	48.1	45.0	41.7	38.3	34.8	31.3	27.9	25.9	24.1	22.4	20.9	19.6	18.4	17.4	16.6	15.9	15.7	15.5
100	81.0	78.0	74.6	71.0	67.2	63.3	59.5	55.7	53.5	51.6	49.7	48.1	46.6	45.2	44.0	42.8	41.8	40.9	40.1
105	113	110	107	103	99.3	95.3	91.4	87.5	85.4	83.5	81.8	80.2	78.7	77.3	76.1	74.9	73.7	72.5	71.2
110	147	144	140	137	133	129	125	121	119	117	116	114	113	112	111	109	108	107	105
115	180	177	173	170	166	162	159	155	153	152	150	149	148	146	145	144	143	142	140
120	212	209	206	203	199	196	192	189	187	185	184	183	182	181	180	179	178	176	175
125	244	241	238	235	231	228	224	221	220	219	218	217	216	215	214	213	212	211	209
130	274	271	269	266	263	259	256	253	252	251	251	250	249	249	248	247	246	245	243
135	303	301	298	296	293	290	287	284	283	283	282	281	281	280	280	279	278	277	275
140	331	329	327	324	322	319	317	314	313	313	312	312	311	311	310	309	309	307	305
145	356	354	352	350	348	345	343	341	340	340	340	340	339	339	339	338	338	336	334
150	378	377	375	373	371	369	367	365	364	364	364	364	364	364	364	364	363	361	359
155	398	396	394	393	391	389	388	386	386	386	386	386	386	386	386	386	385	384	382
160	416	415	413	411	410	408	406	405	405	405	405	405	405	405	405	405	405	403	401
165	429	429	428	427	426	425	424	424	423	423	423	423	422	422	421	421	420	419	417
170	438	437	437	437	436	436	435	435	435	435	434	434	434	434	433	433	433	432	431
175	440	440	441	441	441	441	442	442	442	442	442	442	441	441	441	441	441	440	440
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422

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:0.1873A P:40.80W PF:0.9650 Freq:50.00Hz Lamp Flux:4284.64x1 lm		
NAME: LLS-BH5470FD1200	TYPE:01	WEIGHT:
SPEC.:LLS-BH5470FD1200	DIM.: 1200*54*70mm	SERIAL No.:
MFR.: COLORS	SUR.:1200*54mm	Shielding Angle:

Table--4

UNIT: cd

C(DEC) g (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1271	1271	1271	1271	1271	1271	1271	1271	1271	1272	1272	1272	1272	1273	1273				
5	1263	1263	1263	1262	1262	1261	1261	1260	1259	1259	1258	1257	1256	1255	1254				
10	1239	1238	1237	1236	1235	1234	1232	1231	1229	1227	1225	1223	1220	1218	1215				
15	1199	1198	1197	1195	1193	1191	1188	1186	1183	1179	1176	1172	1168	1164	1160				
20	1146	1144	1142	1139	1136	1133	1130	1126	1122	1117	1112	1107	1102	1096	1090				
25	1080	1078	1075	1072	1068	1064	1060	1055	1049	1044	1038	1031	1024	1017	1009				
30	1004	1001	998	994	989	985	979	974	968	961	954	947	939	931	922				
35	920	917	914	909	905	899	893	887	881	874	866	858	849	840	831				
40	831	828	824	820	814	809	803	796	790	782	774	766	757	748	738				
45	740	737	733	728	722	716	710	704	697	689	682	673	664	655	645				
50	644	641	637	632	627	622	616	610	603	596	588	580	572	563	554				
55	549	546	542	538	533	528	522	516	510	503	496	489	481	472	463				
60	455	452	448	444	440	435	429	424	418	412	405	398	390	382	374				
65	358	356	353	350	346	342	337	332	327	321	315	309	302	295	287				
70	266	264	262	259	255	252	248	244	239	233	228	222	216	209	202				
75	178	176	174	171	168	165	162	158	154	149	144	139	134	128	123				
80	98.4	96.8	95.0	93.0	90.9	88.5	86.0	83.0	79.8	76.5	72.8	69.0	64.9	60.7	56.1				
85	35.6	34.5	33.3	32.1	30.8	29.4	27.9	26.3	24.5	22.7	20.7	18.6	16.5	14.2	11.9				
90	3.01	3.13	3.30	3.52	3.78	4.05	4.32	4.37	4.41	4.44	4.45	4.44	4.43	4.39	4.35				
95	15.5	15.6	15.7	15.8	15.9	16.0	16.0	15.6	15.2	14.6	14.0	13.3	12.5	11.7	10.7				
100	39.3	38.6	37.9	37.3	36.6	35.9	35.2	34.2	33.2	32.1	31.0	29.9	28.6	27.4	26.1				
105	70.0	68.8	67.6	66.3	65.1	63.8	62.5	61.0	59.4	57.8	56.1	54.4	52.7	50.9	49.0				
110	104	102	101	99.2	97.6	95.9	94.2	92.4	90.6	88.6	86.7	84.7	82.6	80.5	78.3				
115	138	137	135	133	132	130	128	126	124	122	120	118	115	113	111				
120	173	171	170	168	166	164	162	160	158	156	153	151	149	146	144				
125	207	205	204	202	200	197	195	193	191	189	187	185	182	180	177				
130	241	239	237	235	233	231	228	226	224	222	219	217	215	212	210				
135	273	271	269	266	264	262	259	257	255	253	251	249	247	245	243				
140	303	300	298	296	293	291	289	287	285	283	281	279	277	275	273				
145	331	329	327	324	321	319	316	314	312	311	309	307	305	304	302				
150	357	355	352	350	347	344	342	340	338	336	335	333	332	330	329				
155	380	377	375	373	370	368	366	364	362	361	359	358	357	356	355				
160	400	398	396	393	391	389	387	386	384	383	382	381	380	379	378				
165	416	414	413	411	409	408	406	405	404	403	402	401	400	400	399				
170	430	429	428	427	426	425	424	423	423	422	421	420	419	418	417				
175	439	439	438	438	437	437	436	435	435	434	433	432	432	431	430				
180	422	422	422	422	422	422	422	422	422	422	422	422	422	422	422				

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: