

Measured Parameters	U:229.0 v, I:2012.0 mA, P:449.2 W, PF:0.98, Measured Flux: 46699.33 lm				
Name	HBL1000	Description	HBL1000	Weight (kg)	
Profile Size		Model	HBL1000	Test ID	201401100603
Manufacturer:		Luminescence		Protection Angle(°)	

Light Source Data		Photometric Data			
Model	HBL1000	Peak Value(cd)	27506.21	η Roadside Upwards (%)	0.00
Nominal Power(w)	460	Total Flux(lm)	46699.33	η Roadside Downwards (%)	51.70
Rated Voltage(v)	AC220V	Peak Value Positon(C, γ)	90.0, 10.0	η Houseside Upwards (%)	0.00
Rated Flux(lm)	46699.33	Upward Ratio(%)	0.00	η Houseside Downwards (%)	48.30
Source Number	1	Downward Ratio(%)	100.00	Aver Lux(lx)	825.8
Measured Voltage(v)	AC220V	Light efficient(lm/w)		103.4 / 101.4	

Glare Evaluation		γ=90° (cd/klm)	0.5	γ=80° (cd/klm)	0.8
Peak Light γ:(C0)	0.0	Peak Light(cd)Overall	27506.2	Lamps Type	No match

Test Area: Hemispherical

Distance(m): 3

C interval(°): 90

γ interval(°): 5.0

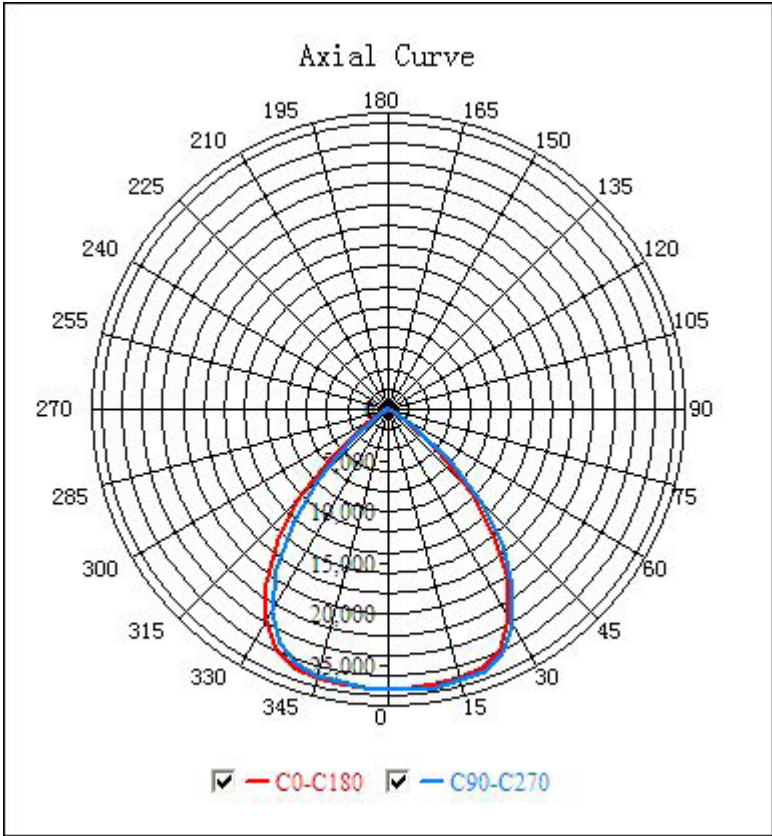
Temperature(°C): 18

Humidity(%): 41

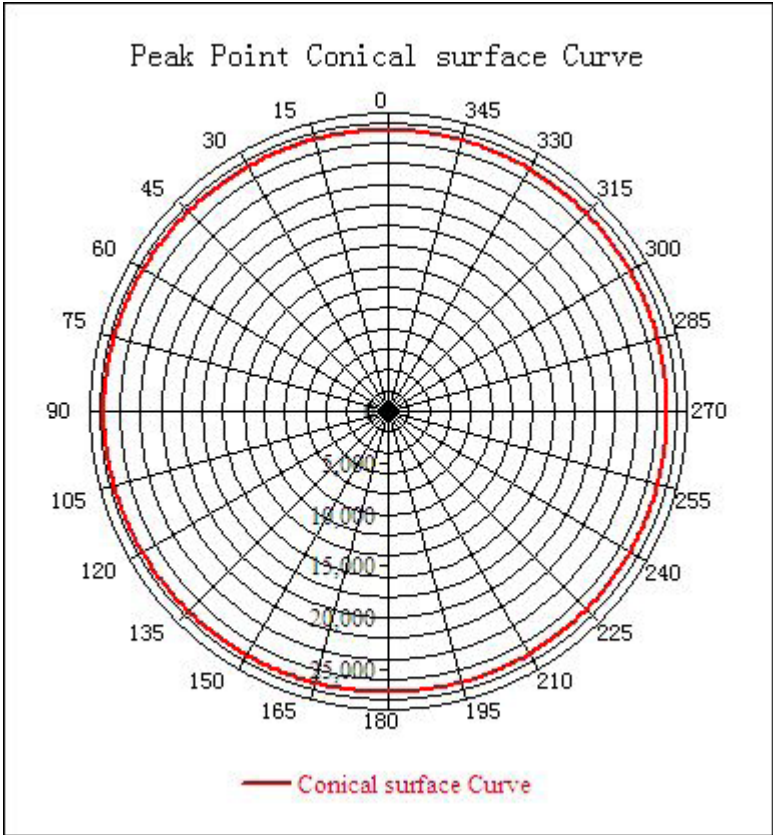
Tester:

Date: 2014-11-6 14:05:23

Remark:



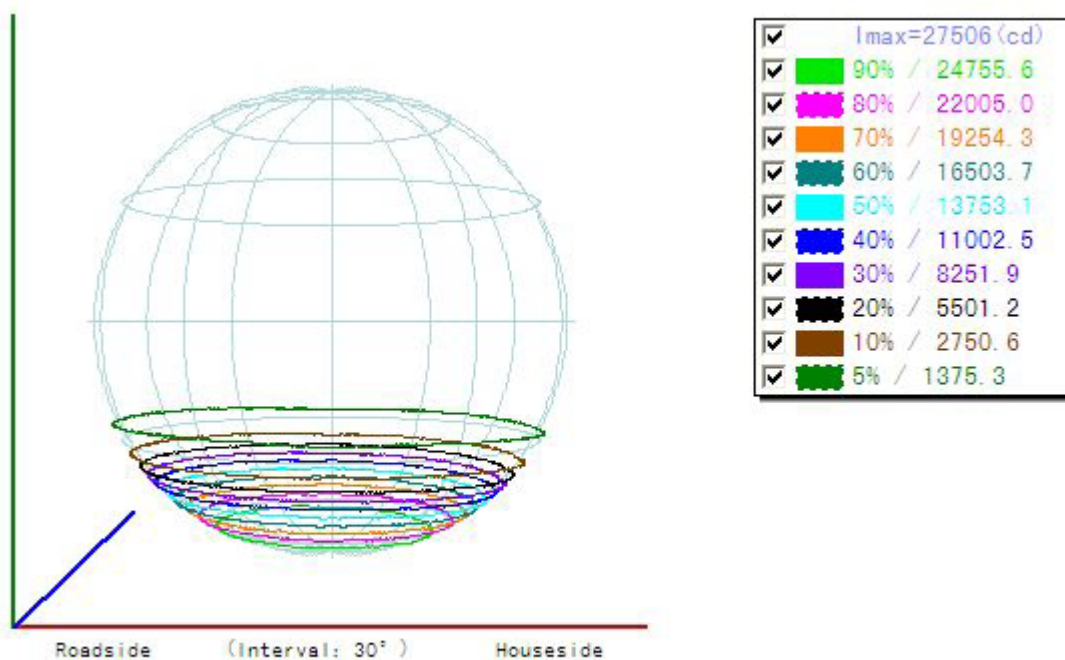
Vertical beam angle(50%): 86.1 Horizontal beam angle(50%): 84.8



C-plane : 90.0 γ Angle: 10.0

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-6 14:05:23
Remark:			

Equivalent Light Intensity Curve



Test Area: Hemispherical

Distance(m): 3

C interval(°): 90

 γ interval(°): 5.0

Temperature(° C): 18

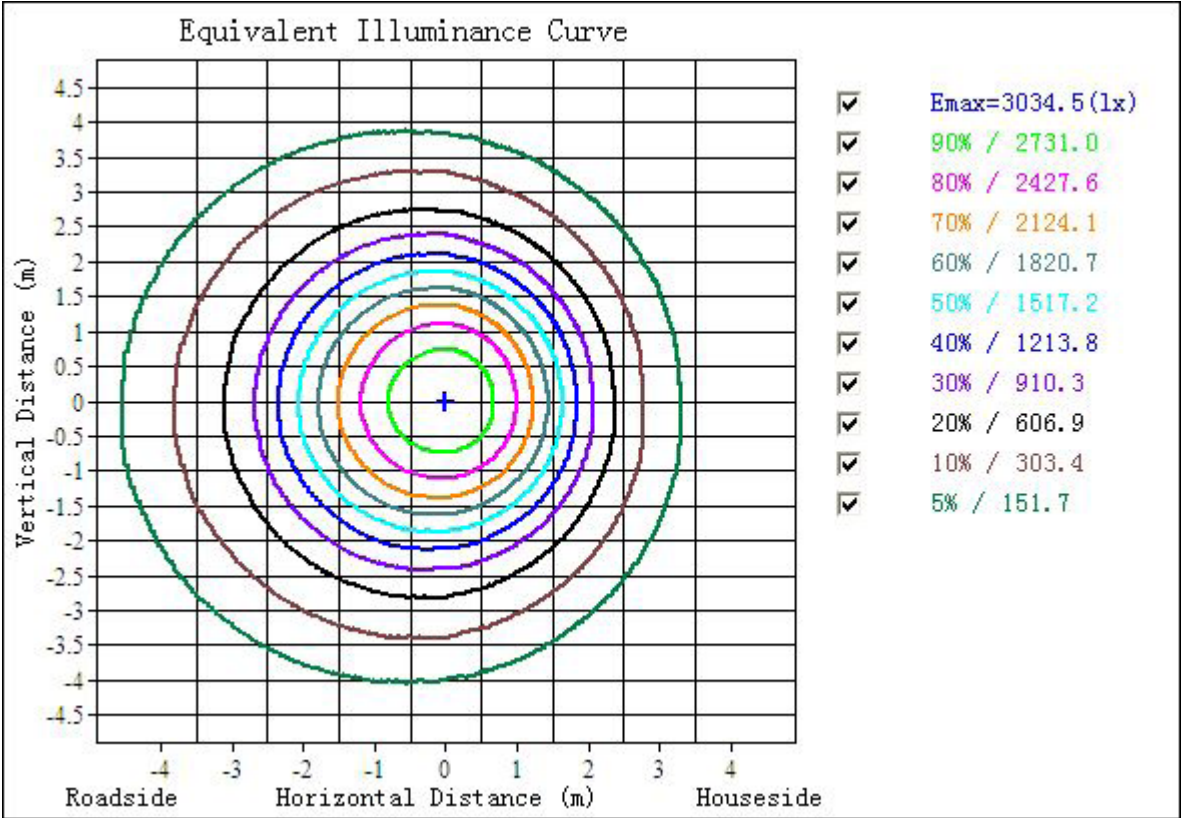
Humidity(%): 41

Tester:

Date: 2014-11-6 14:05:23

Remark:

Plane Equivalent Illuminance Cuve

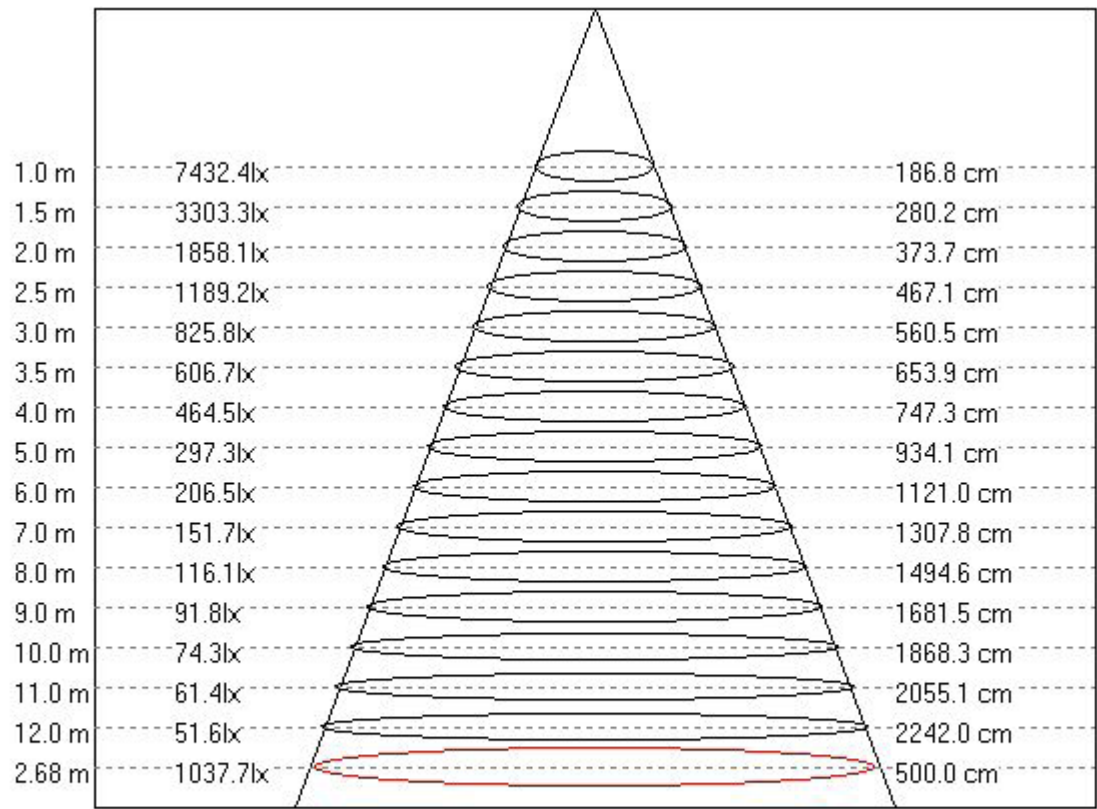


Fixed Height(m): 3

Fixed Angle(°): 5

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-6 14:05:23
Remark:			

Aver Lux

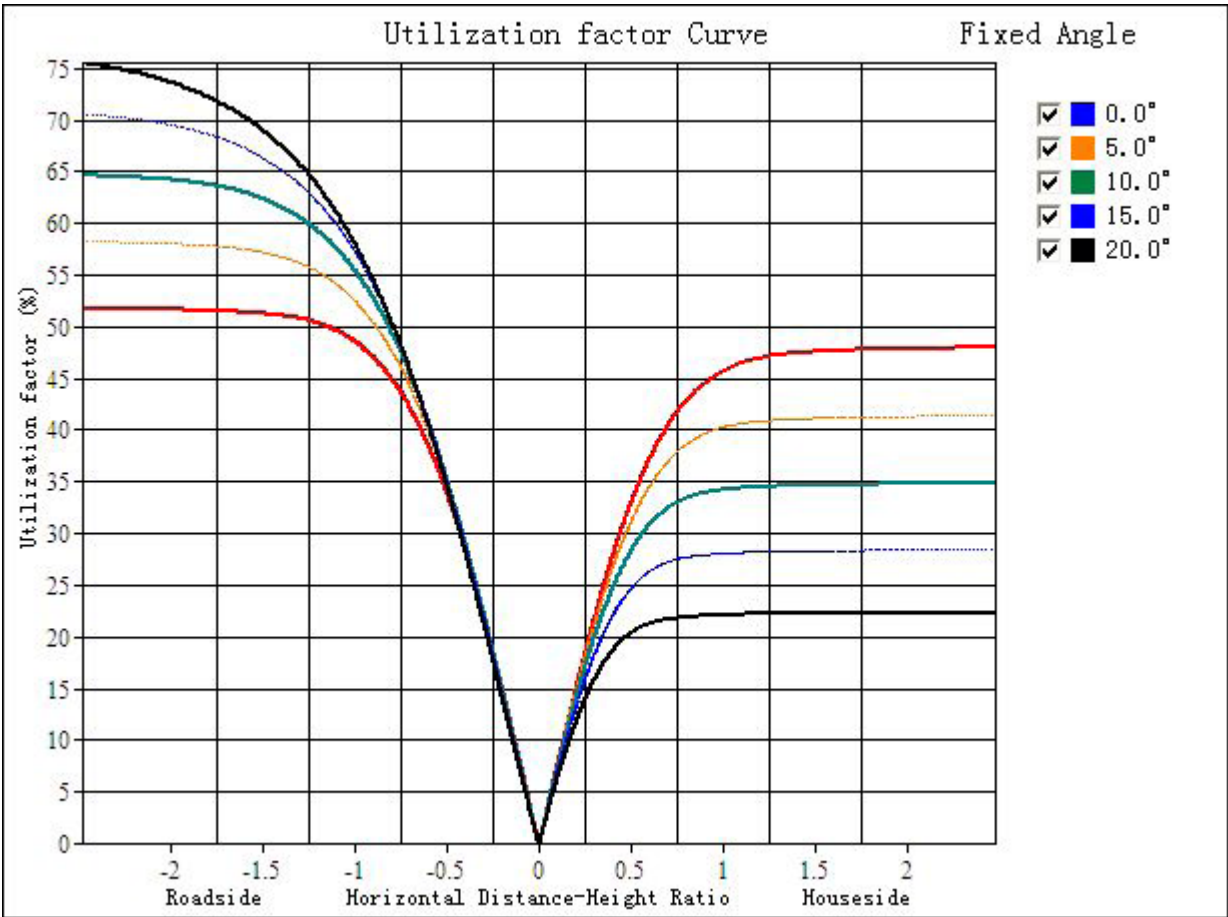


Height(M) Lux(lx) Vertical beam angle(50%): Horizontal beam angle(50%): Spot Diameter(cm)

86.1 ° 84.8 °

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-6 14:05:23
Remark:			

Lamps Utilization factor Curve



Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-6 14:05:23
Remark:			

Lamps Circular Ring-shaped Flux

$\gamma / I(\text{cd}) \backslash C(^{\circ})$	0	45	90	135	180	225	270	315	γ Range	ϕ Ring (lm)
5	27288	27359	27430	27355	27280	27295	27309	27299	0-5	653.69
10	27207	27357	27506	27357	27207	27109	27011	27109	5-10	1951.40
15	26999	27171	27342	27184	27025	26950	26874	26937	10-15	3219.95
20	26802	26973	27145	26953	26762	26603	26443	26623	15-20	4436.81
25	25761	26053	26345	26144	25942	25523	25103	25432	20-25	5510.53
30	23490	23922	24353	24049	23744	23221	22697	23094	25-30	6238.56
35	20309	20740	21172	20951	20730	19849	18969	19639	30-35	6448.54
40	15796	16484	17173	16919	16666	15496	14325	15061	35-40	6040.21
45	11214	12132	13049	12871	12693	11109	9525	10370	40-45	5099.46
50	6114	7006	7897	7699	7500	6025	4549	5332	45-50	3650.83
55	1863	2369	2875	2840	2806	2213	1619	1741	50-55	1904.42
60	780	959	1138	1054	970	898	825	803	55-60	741.12
65	503	578	654	622	589	556	522	512	60-65	362.83
70	298	348	398	382	366	324	282	290	65-70	228.25
75	142	171	200	195	189	142	95.2	119	70-75	128.55
80	36.1	44.8	53.6	50.5	47.4	40.5	33.5	34.8	75-80	53.25
85	22.6	24.4	26.2	26.4	26.6	24.8	23.1	22.8	80-85	18.27
90	21.8	20.1	18.4	20.5	22.6	23.2	23.8	22.8	85-90	12.67
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	

Test Area: Hemispherical

Distance(m): 3

C interval($^{\circ}$): 90 γ interval($^{\circ}$): 5.0Temperature($^{\circ}$ C): 18

Humidity(%): 41

Tester:

Date: 2014-11-6 14:05:23

Remark:

[illegible]

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-6 14:05:23
Remark:			

Lamps Light Intensity Distribution Data

$\gamma / I(\text{cd}) \backslash C(^{\circ})$	0	90	180	270
0	27361	27361	27361	27361
5	27288	27430	27280	27309
10	27207	27506	27207	27011
15	26999	27342	27025	26874
20	26802	27145	26762	26443
25	25761	26345	25942	25103
30	23490	24353	23744	22697
35	20309	21172	20730	18969
40	15796	17173	16666	14325
45	11214	13049	12693	9525
50	6114	7897	7500	4549
55	1863	2875	2806	1619
60	780	1138	970	825
65	503	654	589	522
70	298	398	366	282
75	142	200	189	95.2
80	36.1	53.6	47.4	33.5
85	22.6	26.2	26.6	23.1
90	21.8	18.4	22.6	23.8

Test Area: Hemispherical

Distance(m): 3

C interval($^{\circ}$): 90 γ interval($^{\circ}$): 5.0Temperature($^{\circ}$ C): 18

Humidity(%): 41

Tester:

Date: 2014-11-6 14:05:23

Remark: