

Measured Parameters	U:232.5 v, I:2003.0 mA, P:453.6 W, PF:0.97, Measured Flux: 46505.81 lm				
Name	HBL1000	Description	HBL1000	Weight (kg)	
Profile Size		Model	HBL1000	Test ID	201401100701
Manufacturer:		Luminescence		Protection Angle(°)	

Light Source Data		Photometric Data			
Model	HBL1000	Peak Value(cd)	51338.92	η Roadside Upwards (%)	0.00
Nominal Power (w)	460	Total Flux(lm)	46505.81	η Roadside Downwards (%)	49.94
Rated Voltage(v)	AC220V	Peak Value Positon(C, γ)	180.0, 5.0	η Houseside Upwards (%)	0.00
Rated Flux(lm)	46505.81	Upward Ratio(%)	0.00	η Houseside Downwards (%)	50.06
Source Number	1	Downward Ratio(%)	100.00	Aver Lux(lx)	822.4
Measured Voltage(v)	AC220V	Light efficient(lm/w)		103.0 / 99.9	

Glare Evaluation		$\gamma=90^\circ$ (cd/klm)	0.4	$\gamma=80^\circ$ (cd/klm)	0.6
Peak Light γ : (C0)	0.0	Peak Light(cd)Overall	51338.9	Lamps Type	No match

Test Area: Hemispherical

Distance(m): 3

C interval(°): 90

 γ interval(°): 5.0

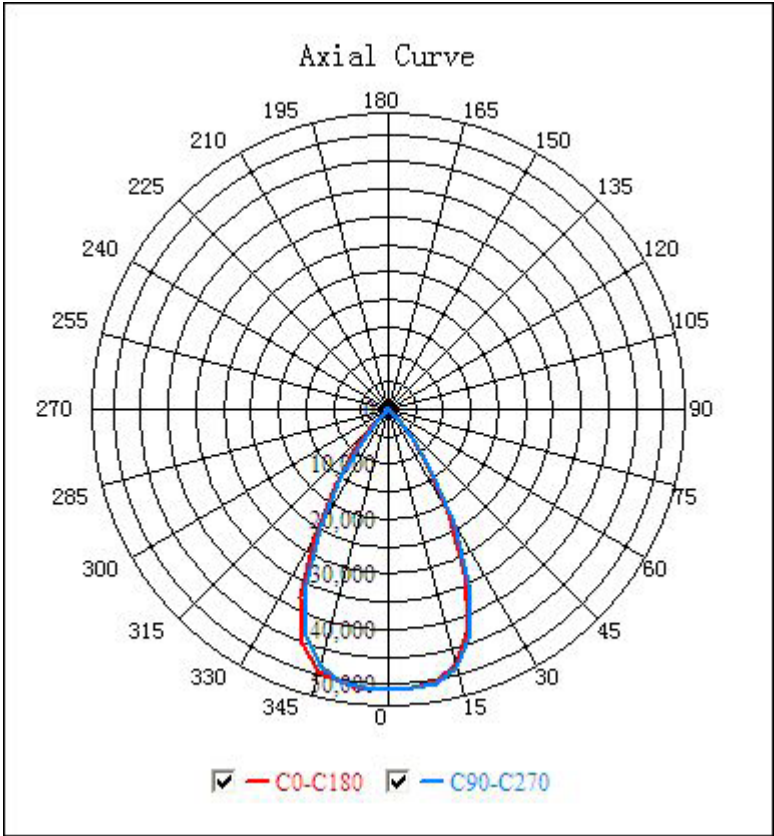
Temperature(°C): 18

Humidity(%): 41

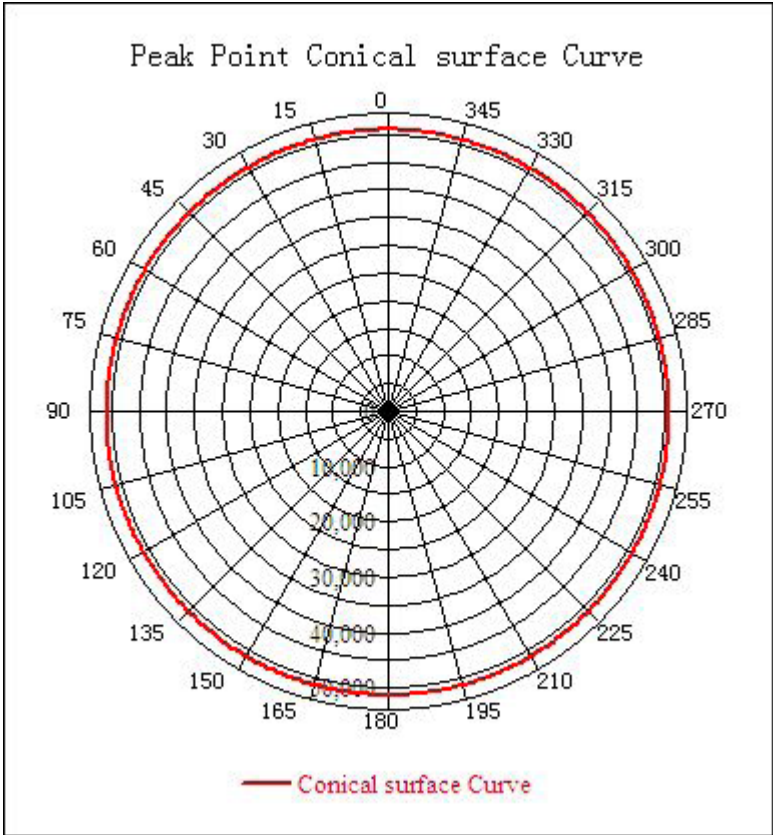
Tester:

Date: 2014-11-7 9:51:49

Remark:



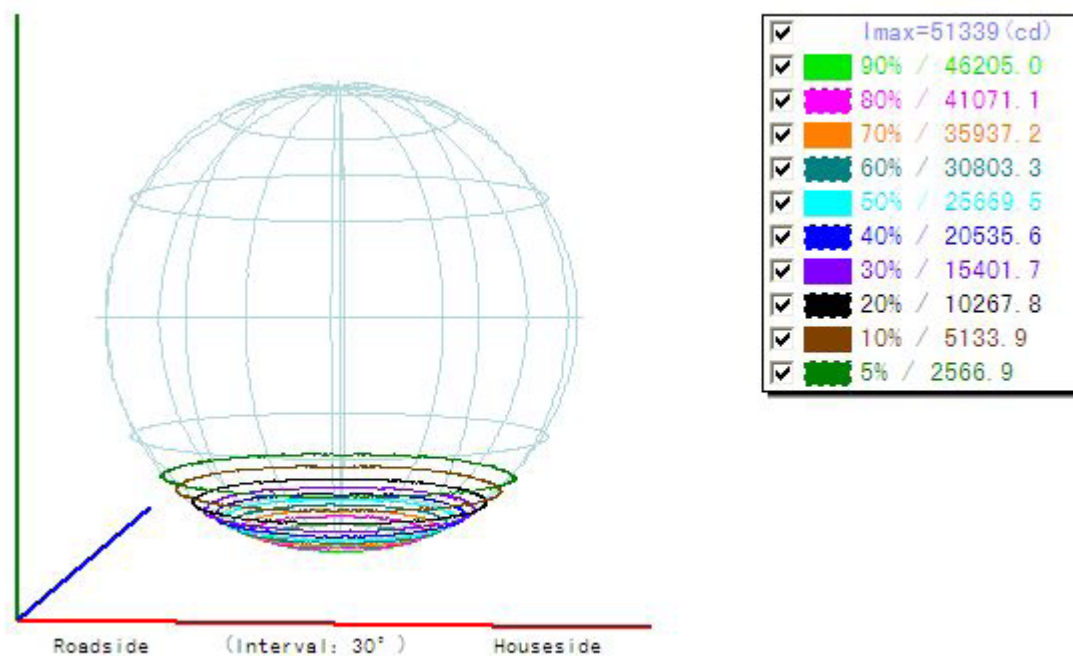
Vertical beam angle(50%): 59.0 Horizontal beam angle(50%): 59.0



C-plane : 180.0 γ Angle: 5.0

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-7 9:51:49
Remark:			

Equivalent Light Intensity Curve



Test Area: Hemispherical

Distance(m): 3

C interval(°): 90

γ interval(°): 5.0

Temperature(° C): 18

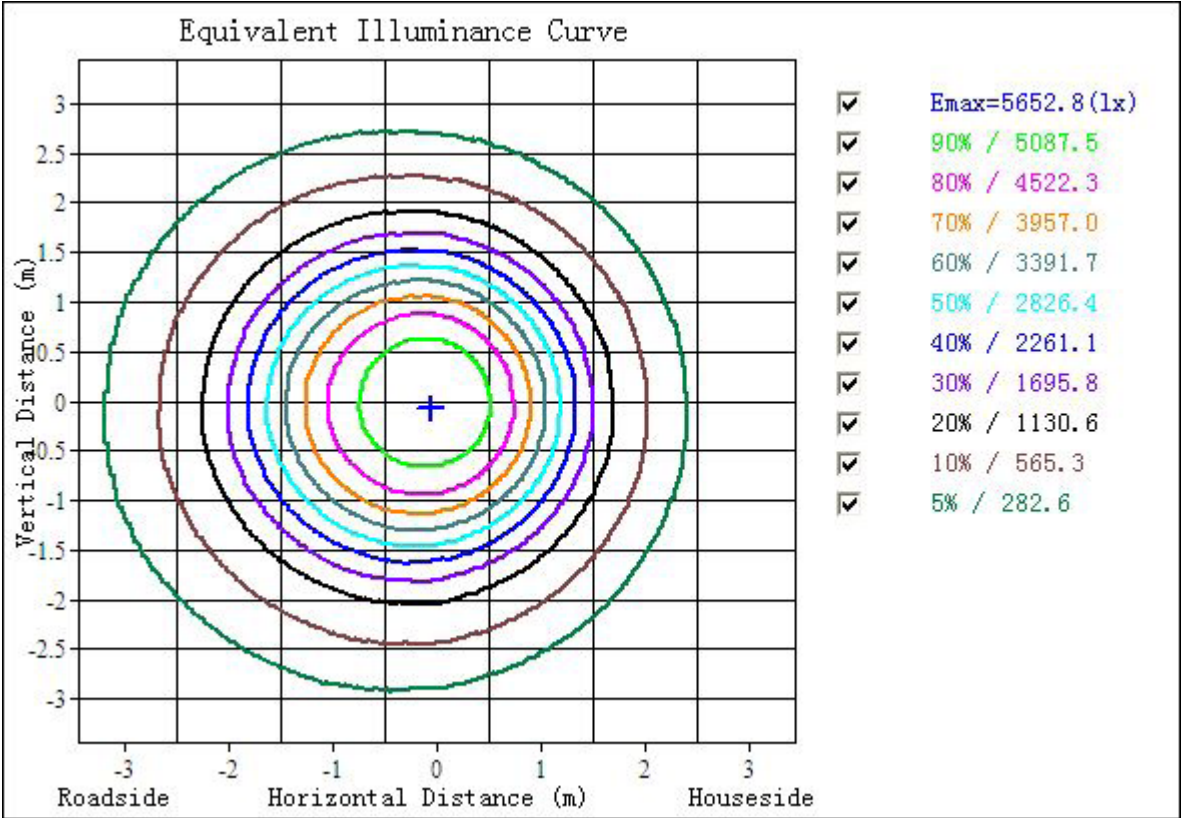
Humidity(%): 41

Tester:

Date: 2014-11-7 9:51:49

Remark:

Plane Equivalent Illuminance Cuve

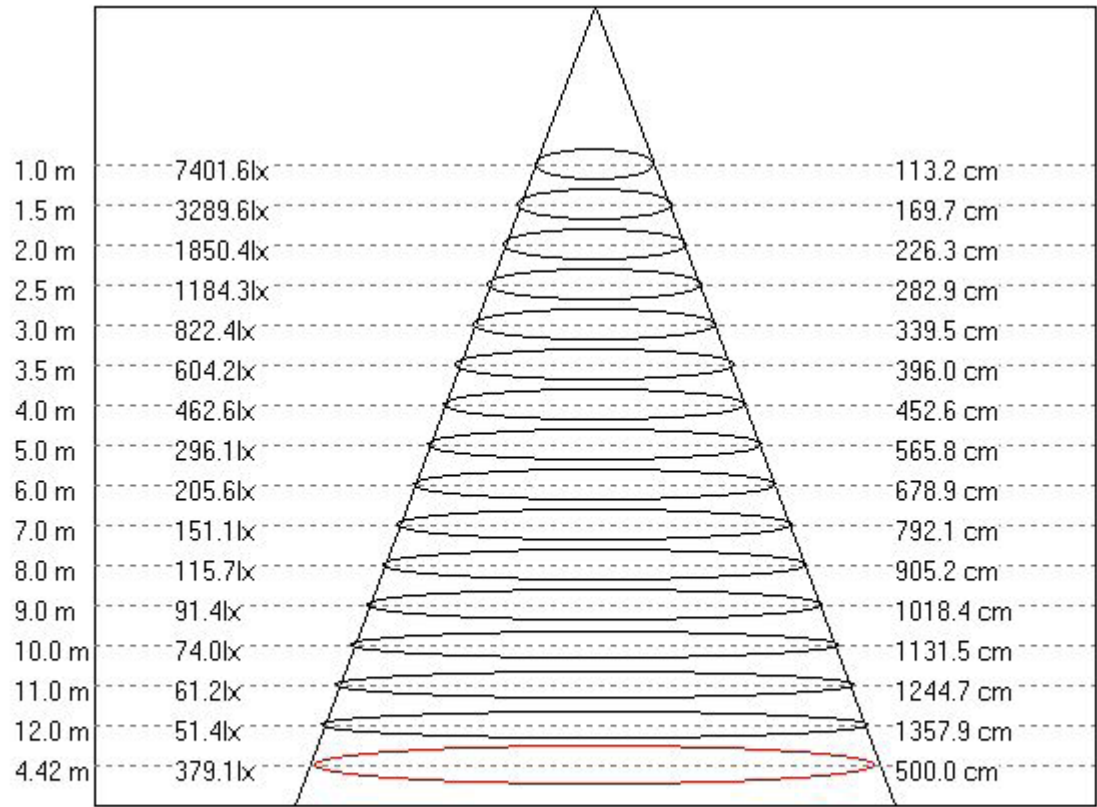


Fixed Height(m): 3

Fixed Angle(°): 5

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-7 9:51:49
Remark:			

Aver Lux

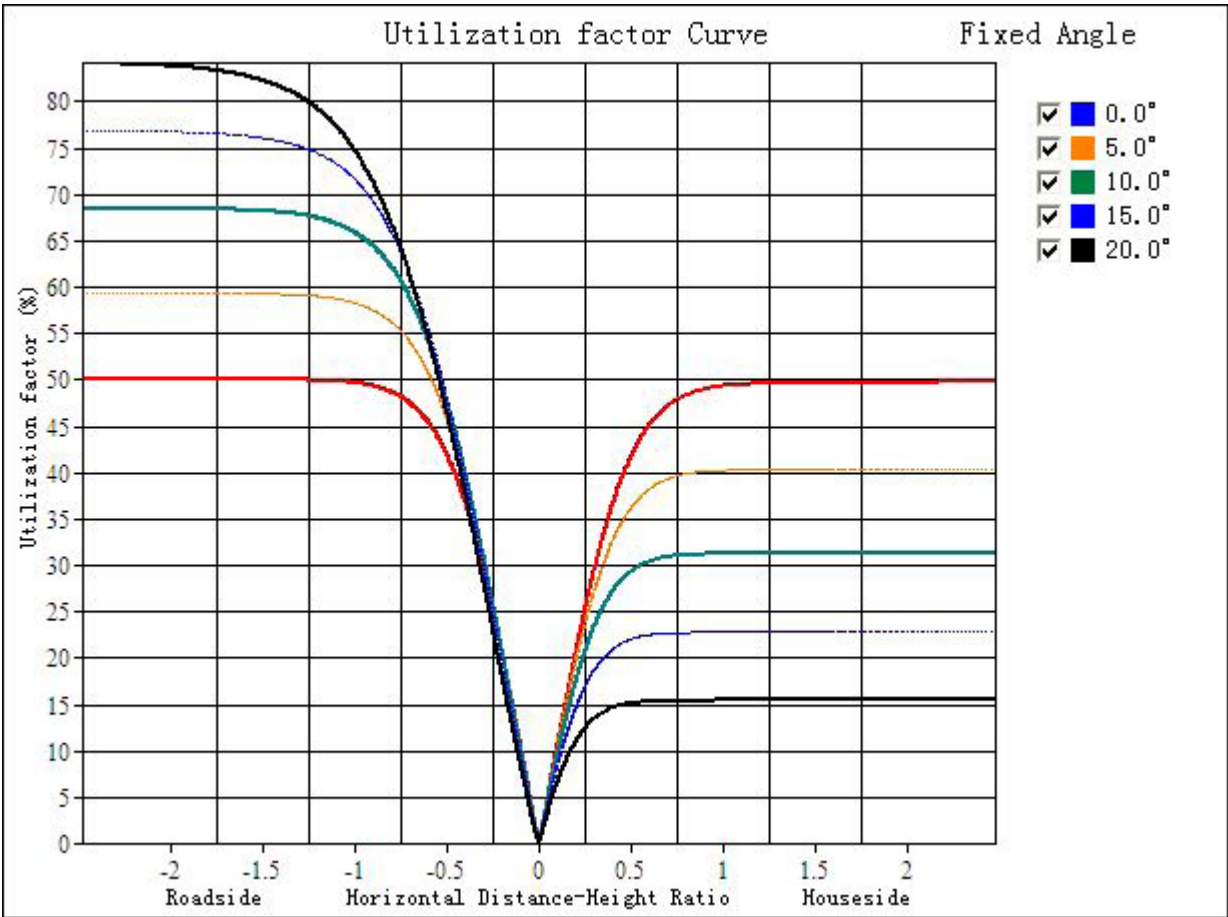


Height(M) Lux(lx) Vertical beam angle(50%): Horizontal beam angle(50%): Spot Diameter(cm)

59.0 59.0

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-7 9:51:49
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:	2014-11-7 9:51:49
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	50874	50852	50831	51085	51339	51068	50798	50836	0-5	1219.66
10	50152	50366	50579	50460	50340	50285	50229	50191	5-10	3620.79
15	47973	48236	48500	48933	49366	48885	48404	48189	10-15	5858.98
20	42135	42757	43379	44413	45446	44546	43645	42890	15-20	7580.91
25	32944	33895	34845	36366	37886	36564	35243	34093	20-25	8242.14
30	21757	22956	24154	25621	27088	25890	24692	23225	25-30	7510.83
35	12091	12802	13512	14972	16431	15373	14315	13203	30-35	5636.14
40	5975	6717	7458	8475	9492	8268	7045	6510	35-40	3579.60
45	2387	2741	3095	3754	4413	3576	2738	2562	40-45	1959.32
50	437	514	591	846	1101	836	571	504	45-50	767.81
55	268	286	303	343	383	348	313	290	50-55	214.76
60	168	177	186	211	235	213	190	179	55-60	118.04
65	97.1	102	107	127	147	128	108	102	60-65	75.15
70	63.9	66.4	68.9	77.5	86.2	77.7	69.3	66.6	65-70	47.23
75	42.0	43.7	45.3	50.4	55.5	50.4	45.4	43.7	70-75	31.10
80	26.1	27.6	29.1	31.9	34.8	31.7	28.6	27.4	75-80	20.51
85	17.2	18.2	19.1	20.2	21.3	20.0	18.7	18.0	80-85	13.24
90	17.0	15.9	14.8	15.1	15.5	15.9	16.4	16.7	85-90	9.58
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: 2014-11-7 9:51:49

Remark:

[illegible]

Test Area:	Hemispherical	Distance(m):	3
C interval(°):	90	γ interval(°):	5.0
Temperature(° C):	18	Humidity(%):	41
Tester:		Date:	2014-11-7 9:51:49
Remark:			

Lamps Light Intensity Distribution Data

γ / I(cd) \ C(°)	0	90	180	270
0	51106	51106	51106	51106
5	50874	50831	51339	50798
10	50152	50579	50340	50229
15	47973	48500	49366	48404
20	42135	43379	45446	43645
25	32944	34845	37886	35243
30	21757	24154	27088	24692
35	12091	13512	16431	14315
40	5975	7458	9492	7045
45	2387	3095	4413	2738
50	437	591	1101	571
55	268	303	383	313
60	168	186	235	190
65	97.1	107	147	108
70	63.9	68.9	86.2	69.3
75	42.0	45.3	55.5	45.4
80	26.1	29.1	34.8	28.6
85	17.2	19.1	21.3	18.7
90	17.0	14.8	15.5	16.4

Test Area: Hemispherical

Distance(m): 3

C interval(°): 90

 γ interval(°): 5.0

Temperature(° C): 18

Humidity(%): 41

Tester:

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