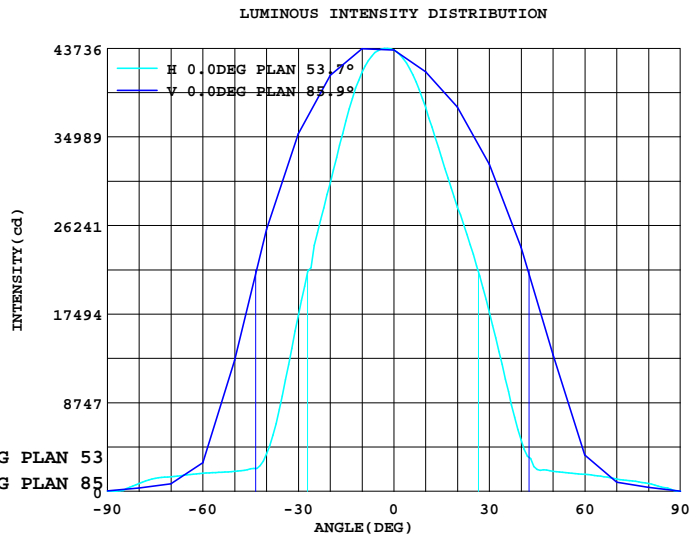
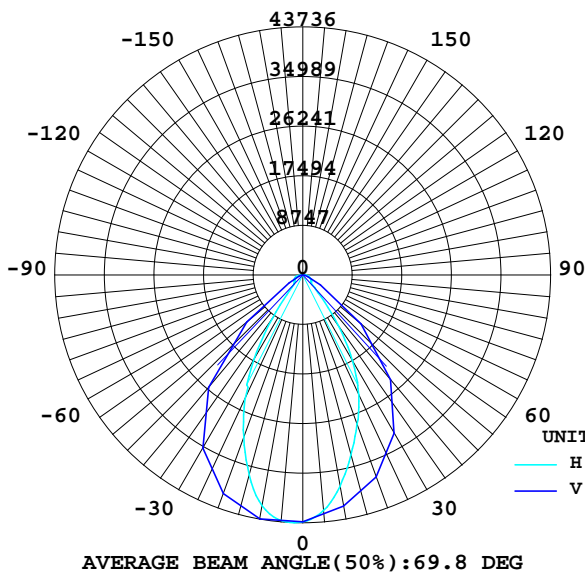


## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	398	Imax(cd):	43865	Voltage(V)	219.1
RATED VOLTAGE(V):	220	AVAILABILITY(%):	91.2	Current(A)	1.846
NOMINAL FLUX(lm):	52236	Avai. FLUX(lm):	47622	Power(W)	395.2
TEST FLUX(lm):	52236	EFFICIENCY(%):	100.0	Power Factor(PF)	0.977
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	52236	EFFICIENCY(lm/W)	132.2
Effective Flux(lm) :	47622.0	$\theta$ @50%(H, V):	51.9,85.7DEG	EEL:	0.113



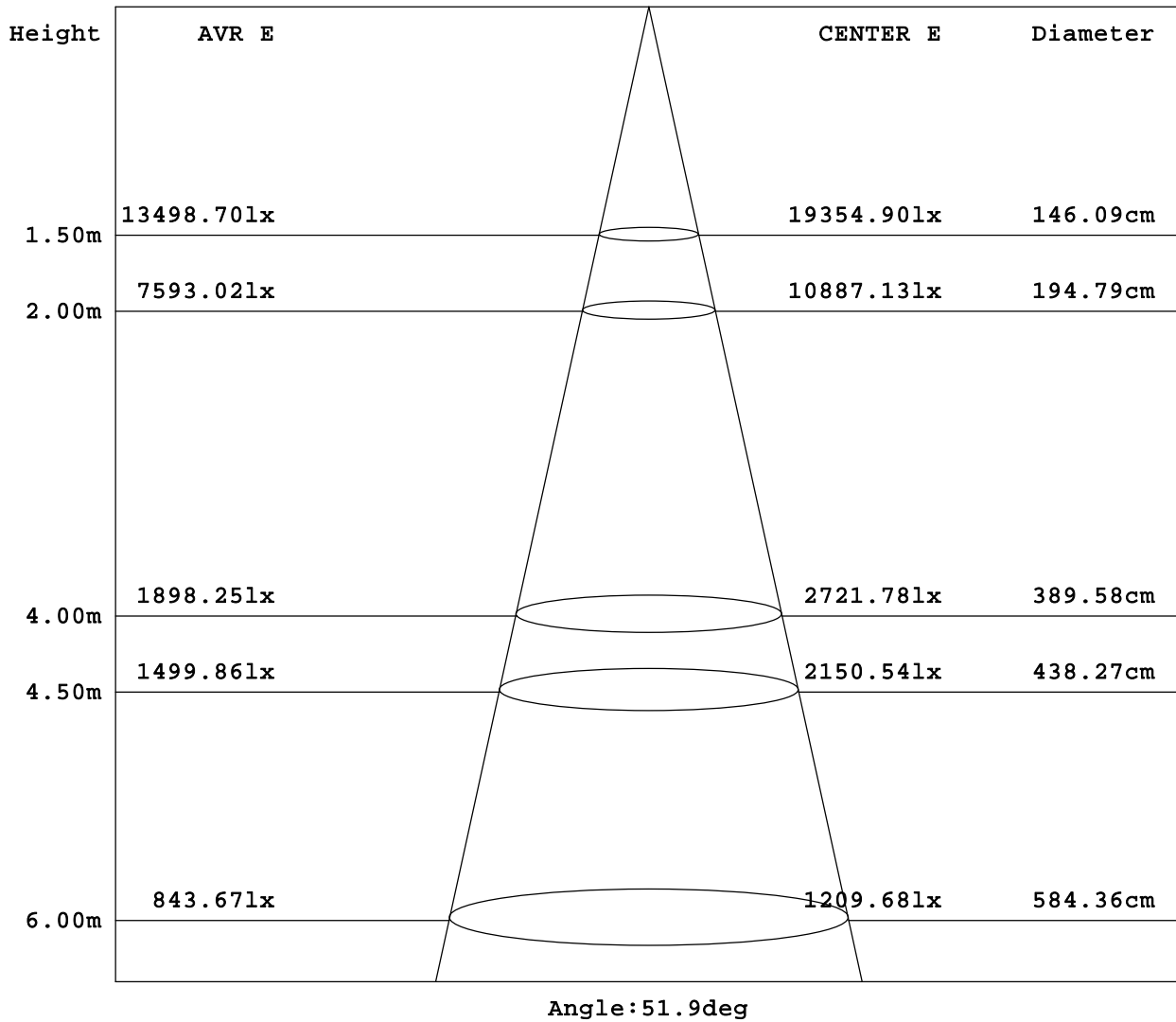
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System: HOP00 HPG1900  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity: 65.0%  
 Test Distance: 10.500 m  
 Remarks:

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER: LI TIAN	Address:		
NAME: LT-T-115A	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a				
	0.02	0.05	0.08	0.16	0.32	0.52	0.75	0.90	0.91	0.96	0.96	0.99	0.90	0.66	0.39	0.14	0.06	0.02	8.78	0.00						
90	0.02	1.05	3.52	6.61	10.0	13.1	16.2	18.1	17.2	17.6	19.1	16.5	12.1	8.84	6.23	3.12	1.08	0.04	171	0.00						
80	0.12	2.21	7.20	12.4	16.9	21.9	28.2	32.7	34.8	36.6	35.0	30.3	23.6	17.3	11.3	6.81	2.52	0.27	321	0.00						
70	0.31	4.01	10.9	16.3	21.4	28.6	47.3	87.8	138	133	77.9	43.7	29.8	22.1	15.4	8.88	3.88	0.42	690	164						
60	0.46	5.83	13.8	20.7	26.5	46.4	149	368	534	517	337	135	45.5	27.5	20.1	12.2	5.35	0.75	2266	1962						
50	0.59	7.62	16.7	24.9	34.0	91.0	341	674	872	843	627	333	97.7	35.2	24.1	14.9	6.53	0.94	4045	3783						
40	0.75	8.60	18.1	27.3	41.2	165	530	902	1093	1050	819	502	181	44.8	26.9	16.7	7.51	1.17	5434	5196						
30	0.92	9.51	19.6	29.9	47.9	221	640	1020	1227	1179	936	616	252	55.3	29.0	17.8	7.74	1.32	6311	6077						
-30	0.96	9.72	20.5	31.7	50.8	255	689	1078	1300	1244	968	641	284	57.5	31.3	19.1	8.21	1.40	6691	6457						
	1.00	10.1	21.4	33.7	50.2	254	674	1090	1340	1287	986	658	293	60.2	32.6	19.6	8.16	1.34	6821	6584						
	0.92	9.76	21.4	33.9	50.0	212	636	1045	1310	1256	950	603	241	52.7	32.7	19.6	8.21	1.24	6483	6231						
	0.56	9.46	20.9	32.5	45.3	137	497	917	1180	1142	868	506	163	48.0	30.1	18.2	7.67	0.99	5623	5350						
-40	0.42	8.17	19.4	29.7	39.3	80.3	319	701	950	925	656	320	87.3	39.2	27.0	16.7	7.16	0.69	4227	3933						
-50	0.34	6.79	17.6	26.7	32.8	36.3	128	378	604	594	376	137	40.2	29.6	22.2	13.8	5.54	0.47	2450	2148						
-60	0.20	4.60	13.7	20.2	23.7	22.3	21.1	82.8	174	170	79.2	25.2	21.9	20.4	15.7	9.82	4.01	0.27	710	404						
-70	0.18	2.79	9.18	13.3	16.0	17.9	12.2	6.89	9.82	11.7	9.70	13.5	16.8	14.1	9.65	5.82	2.32	0.10	172	0.00						
-80	0.01	1.09	3.92	7.04	9.54	12.3	14.0	10.8	5.18	4.64	8.78	13.1	11.9	8.51	5.49	3.24	0.93	0.04	121	0.00						
-90	0.01	0.10	0.65	1.34	2.54	3.72	4.38	4.54	4.22	3.97	4.36	3.67	2.51	2.23	1.30	0.43	0.06	0.00	40.1	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	7.80	102	239	369	519	1619	4748	8418	10796	10415	7759	4599	1803	545	342	207	86.9	11.4	52236							
Φ a	0.00	0.00	0.00	0.00	0.00	1204	4530	8233	10650	10255	7574	4376	1449	19.2	0.00	0.00	0.00	0.00		47622						

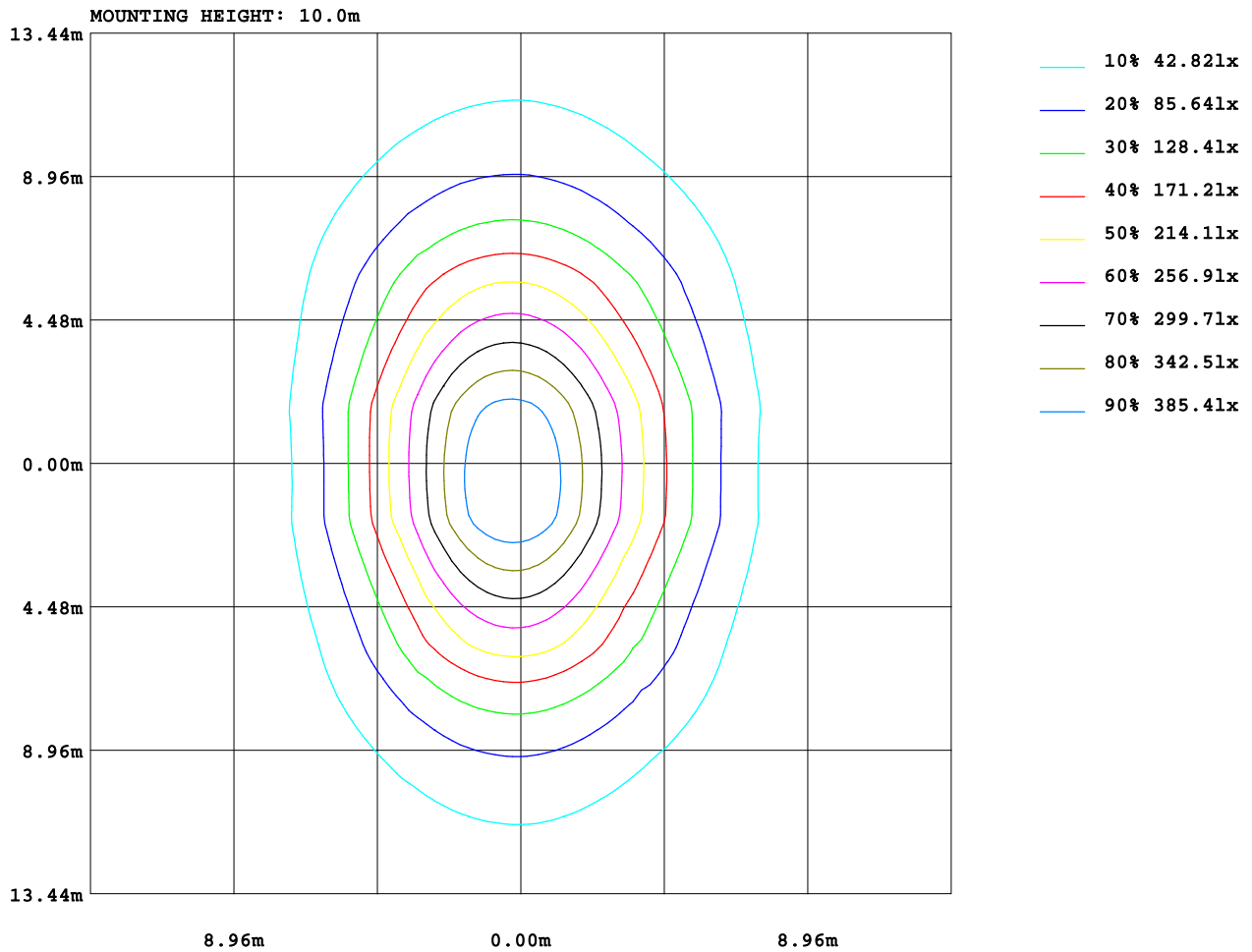
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



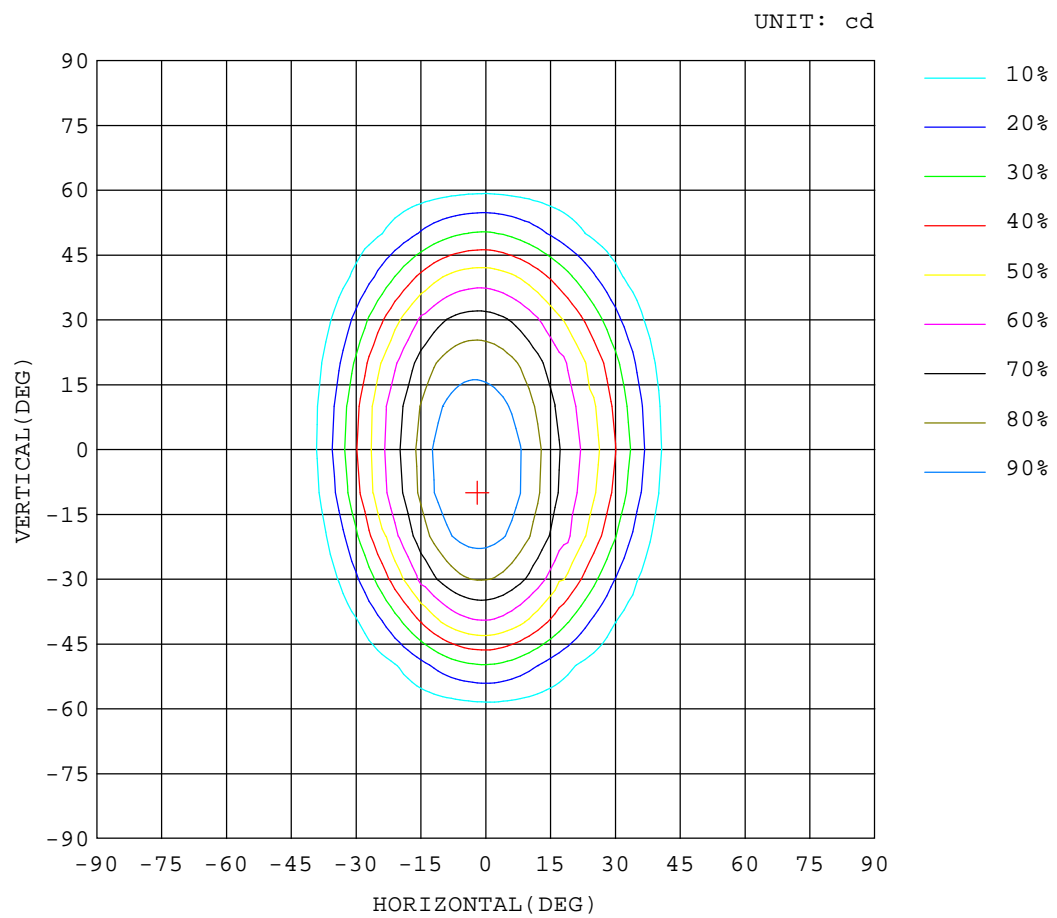
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	Zone	total
5.0	4172	4253	4362	4373	4350	4295	4248	4174	0- 5	1031	1031
10.0	3789	4032	4369	4288	4136	4147	4140	3899	5- 10	2995	4025
15.0	3292	3692	4238	4039	3658	3884	3967	3554	10- 15	4673	8699
20.0	2803	3254	4107	3580	3043	3490	3793	3148	15- 20	5913	14611
25.0	2340	2836	3817	3046	2429	3026	3511	2776	20- 25	6681	21292
30.0	1769	2343	3528	2443	1730	2501	3228	2325	25- 30	6884	28176
35.0	1107	1744	3058	1768	940.1	1910	2818	1804	30- 35	6427	34603
40.0	511.7	1152	2588	1124	369.8	1316	2409	1277	35- 40	5324	39927
45.0	217.4	642.7	1939	593.9	222.2	751.3	1878	764.4	40- 45	3999	43926
50.0	198.1	310.1	1291	273.0	196.3	357.1	1347	376.7	45- 50	2819	46744
55.0	181.9	188.6	786.5	172.0	186.5	197.3	852.8	210.9	50- 55	1881	48626
60.0	167.7	127.8	282.4	127.9	178.6	126.9	358.6	131.7	55- 60	1205	49831
65.0	148.9	99.41	178.3	104.5	162.8	100.8	224.8	106.0	60- 65	772.5	50604
70.0	121.8	77.75	74.27	83.45	143.2	82.91	91.13	86.23	65- 70	598.2	51202
75.0	102.5	58.22	53.52	63.20	128.7	66.22	64.63	67.36	70- 75	456.6	51659
80.0	76.60	36.94	32.77	40.93	76.42	44.78	38.13	42.74	75- 80	333.3	51992
85.0	36.72	17.81	18.36	19.95	8.092	22.77	20.28	20.77	80- 85	185.7	52178
90.0	0.628	1.201	3.946	1.488	1.256	1.113	2.425	2.778	85- 90	58.38	52236
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

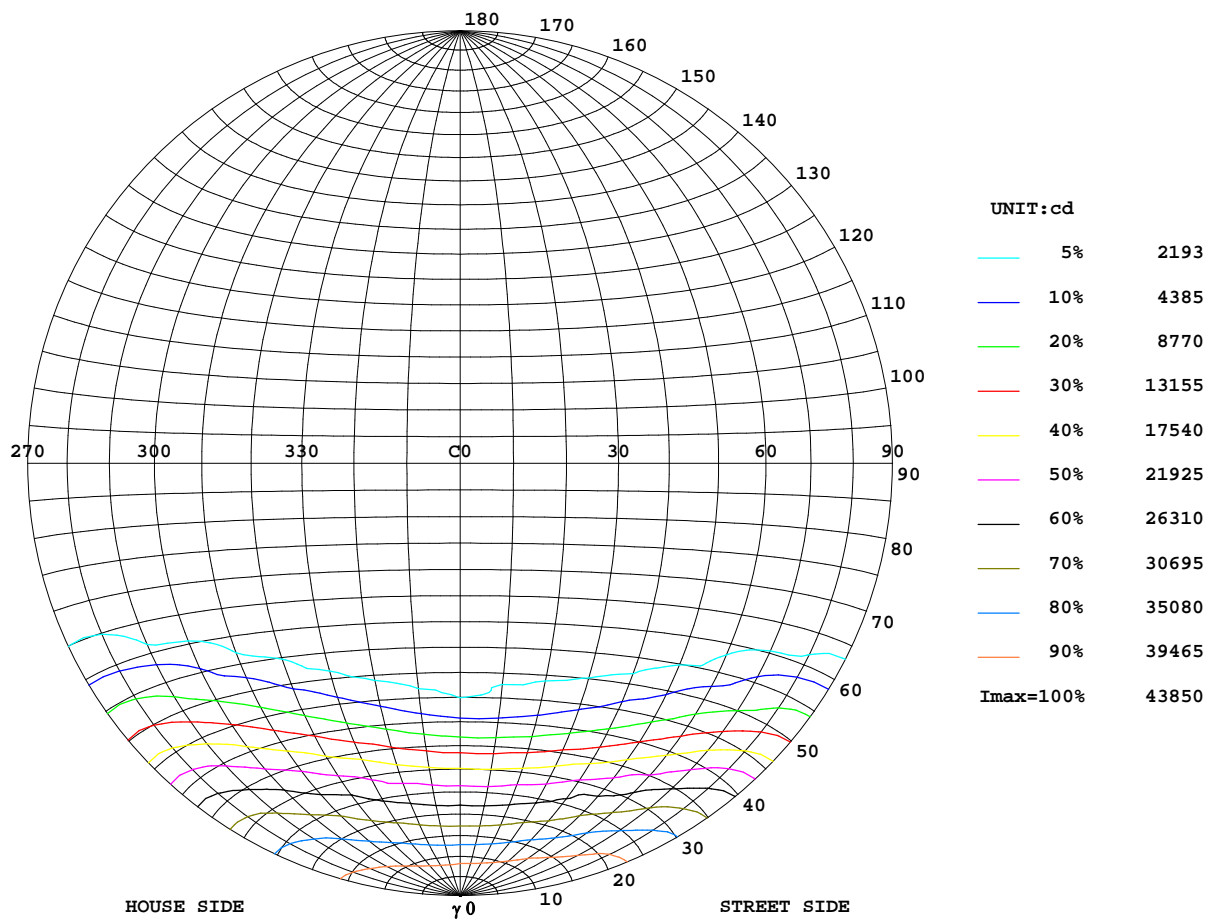
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.500 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月24日

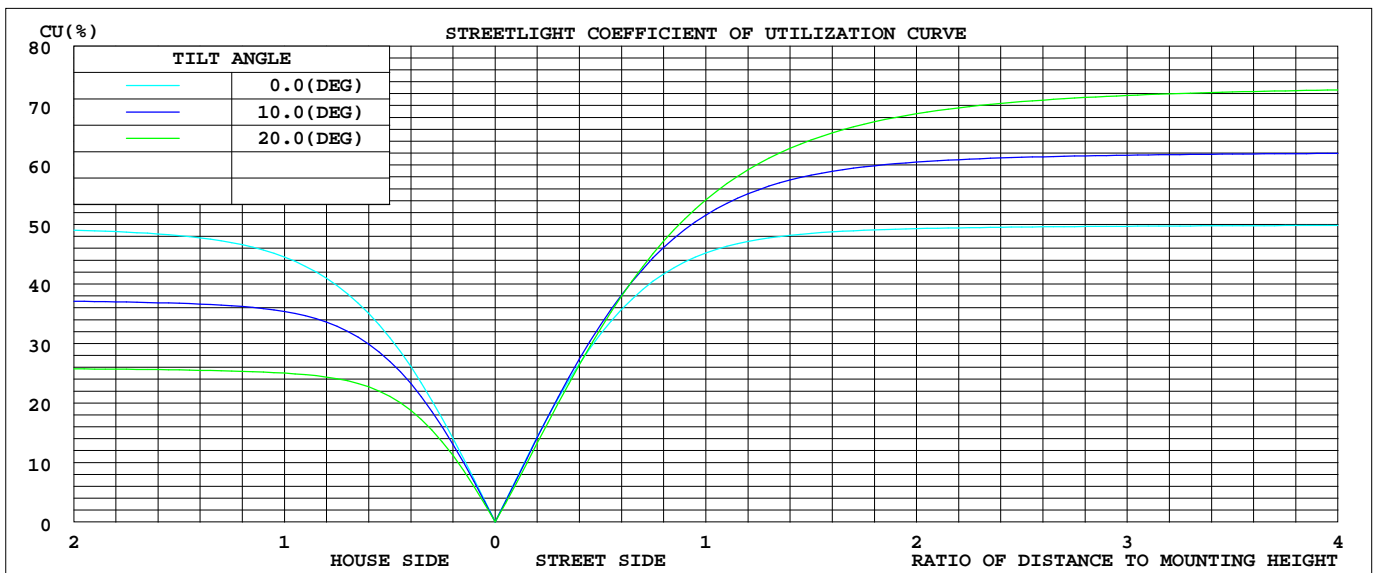
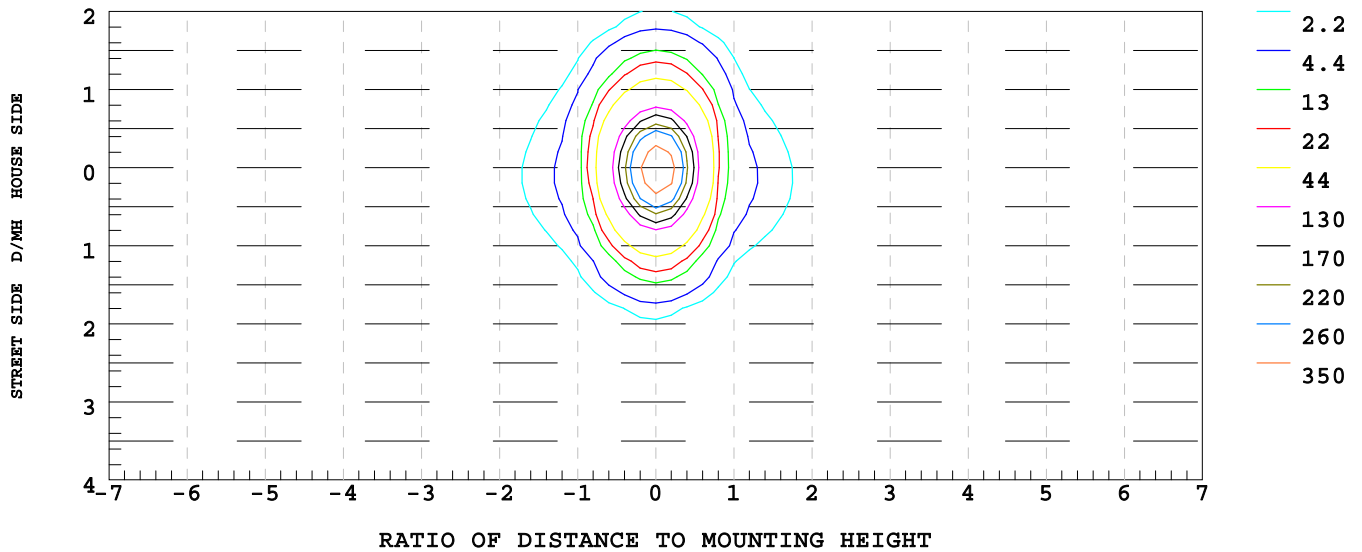
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 435.49 lx



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月24日

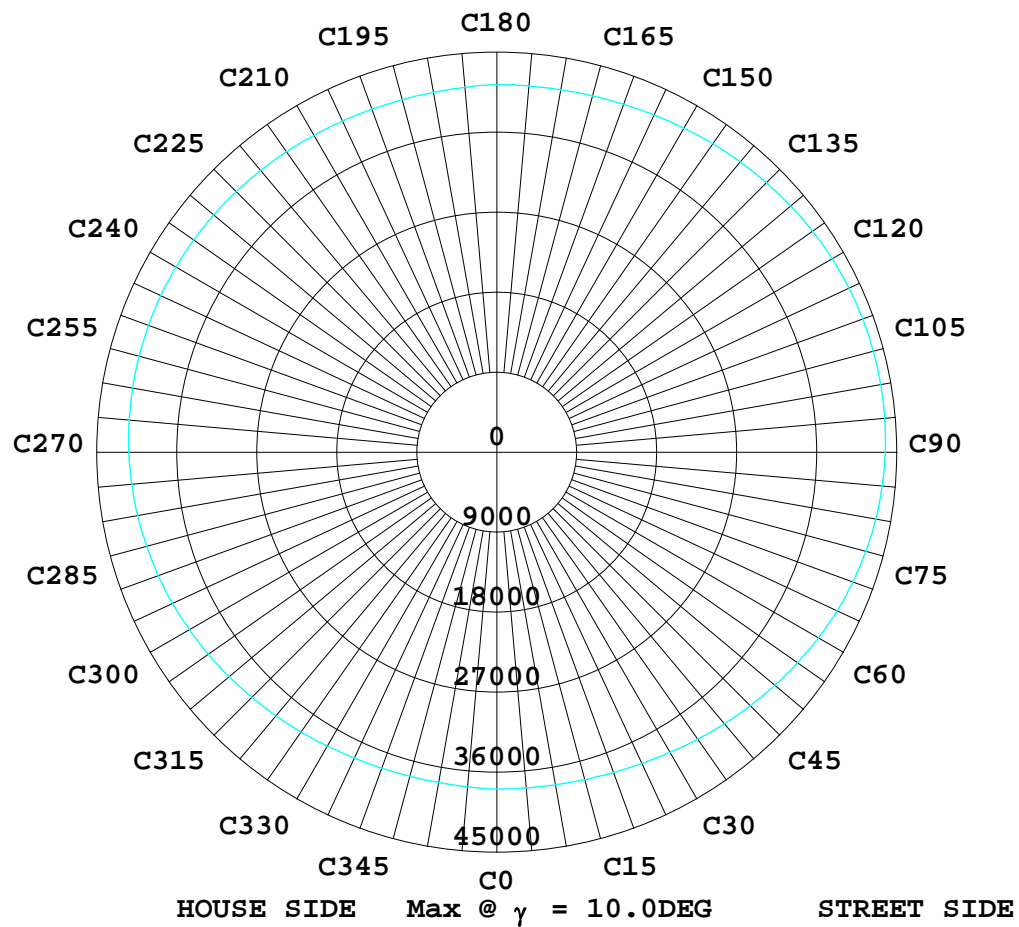
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:



# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月24日

Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
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Remarks: