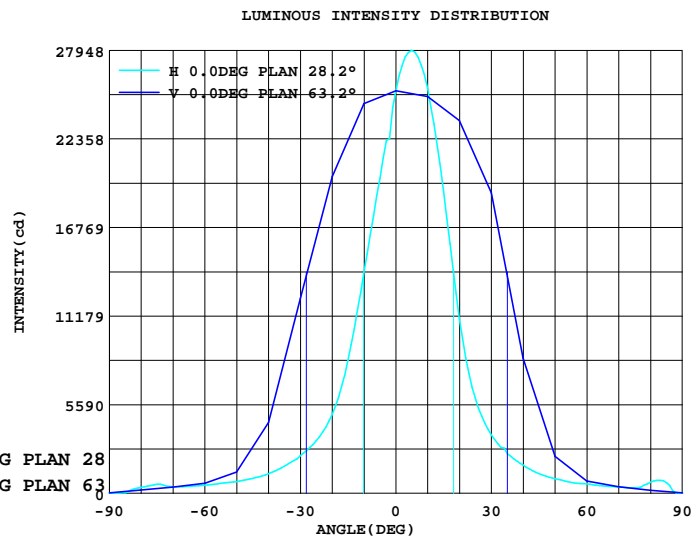
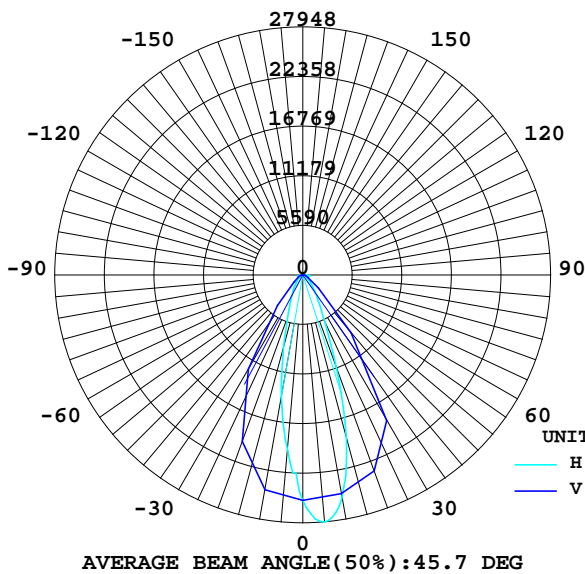


## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

MODEL:					
NOMINAL POWER(W):	148	Imax(cd):	27948	Voltage(V)	219.6
RATED VOLTAGE(V):	220	AVAILABILITY(%):	82.7	Current(A)	0.690
NOMINAL FLUX(lm):	19003	Avail. FLUX(lm):	15707	Power(W)	146.1
TEST FLUX(lm):	19003	EFFICIENCY(%):	100.0	Power Factor(PF)	0.963
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	19003	EFFICIENCY(lm/W)	130.1
Effective Flux(lm) :	15707.3	$\theta$ @50%(H, V):	28.2,64.0DEG	EEl:	0.128



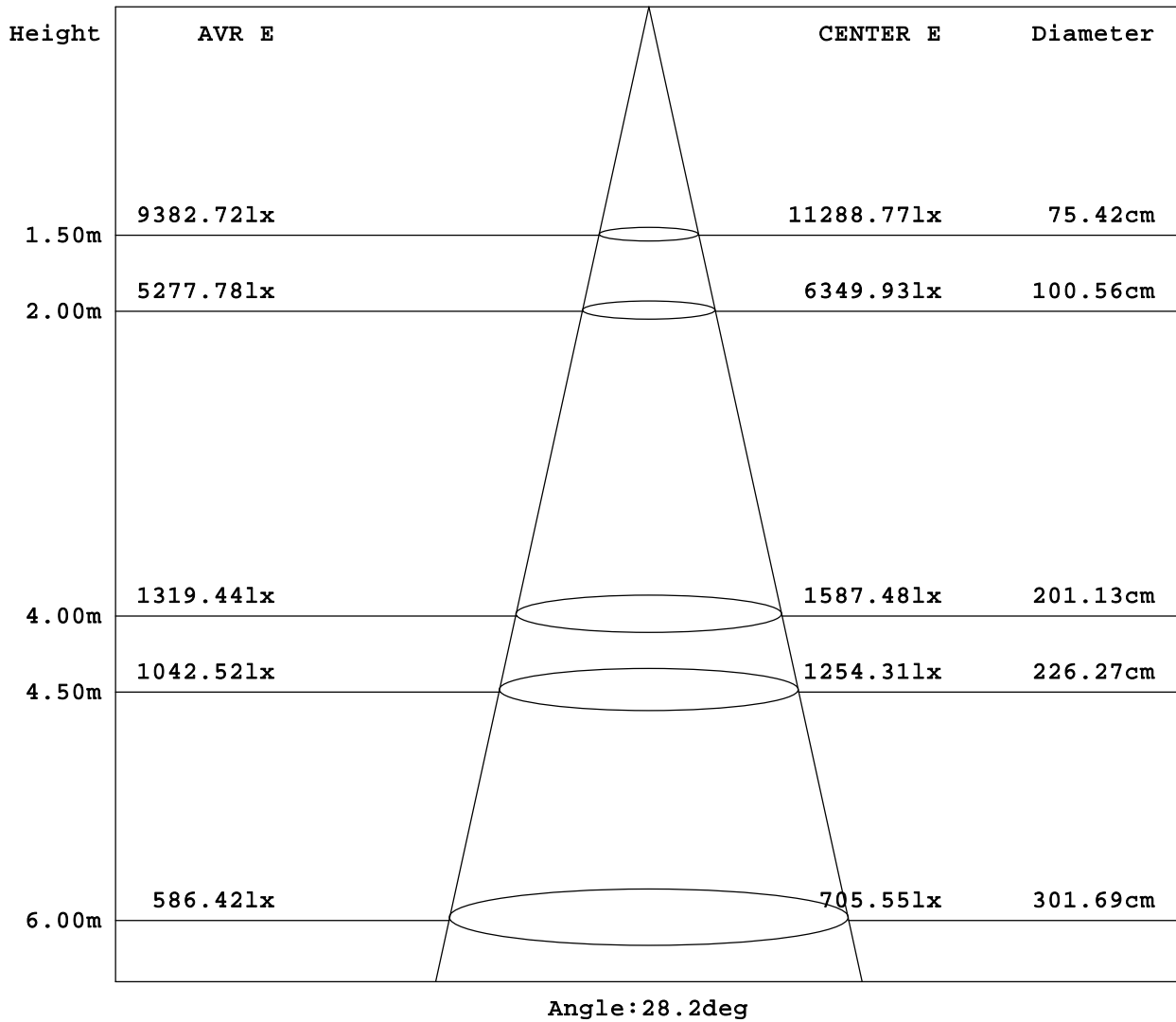
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月31日

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31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.:	

72	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a			
	1.85	2.64	3.47	4.27	5.22	6.43	7.61	8.24	8.59	8.75	8.46	8.06	7.05	5.58	4.45	3.56	2.84	2.66	99.8	0.00					
64	2.24	2.93	3.95	5.25	6.88	9.13	11.4	13.0	13.8	14.0	13.4	12.4	10.4	7.68	5.51	3.98	2.68	2.55	141	0.00					
56	2.66	3.32	4.66	6.60	9.32	13.2	18.4	23.5	26.5	27.0	25.3	21.4	16.0	10.9	7.26	4.92	3.22	2.14	227	0.00					
48	2.73	3.44	5.37	7.88	12.0	19.6	32.1	48.3	60.4	63.0	55.5	40.7	26.1	15.7	9.50	5.98	3.84	2.20	415	157					
40	2.58	3.99	6.12	9.49	15.7	29.3	56.3	111	186	213	158	86.6	43.5	22.1	11.8	6.97	4.26	2.50	970	811					
32	2.61	4.27	6.68	10.9	19.1	37.2	76.0	175	328	401	295	140	58.7	28.3	14.4	8.17	4.76	2.77	1613	1468					
24	2.79	4.60	7.30	12.3	22.4	43.0	89.9	219	416	530	408	188	71.8	33.7	16.8	9.18	5.21	3.00	2084	1933					
VERTICAL(°)	3.05	4.98	7.95	13.7	25.0	46.1	95.3	231	421	552	453	215	79.4	37.0	18.6	9.86	5.57	3.15	2223	2081					
	3.08	5.11	8.37	14.1	25.8	47.6	95.2	228	418	538	428	203	77.7	37.8	19.4	10.3	5.99	3.26	2169	2027					
	3.12	5.15	8.57	14.3	26.0	47.5	95.3	224	408	537	448	213	80.1	38.6	19.2	10.0	5.71	3.15	2187	2045					
	3.05	5.01	8.11	13.7	25.0	46.6	96.2	221	396	518	432	215	79.8	37.0	18.5	9.79	5.47	3.14	2134	1988					
	3.11	4.98	7.83	13.0	22.9	43.1	88.8	199	350	445	362	187	73.3	33.7	17.0	9.30	5.31	3.18	1868	1722					
	3.33	5.05	7.78	12.1	20.0	36.4	70.8	149	258	309	237	126	58.7	28.8	14.8	8.64	5.28	3.23	1355	1201					
	3.48	4.61	6.88	10.2	15.9	27.7	48.3	80.9	131	146	104	61.9	38.2	21.9	12.2	7.73	5.01	3.10	729	531					
	3.50	4.32	6.15	8.69	12.5	18.6	26.8	32.5	31.7	30.6	30.0	29.9	23.2	14.9	9.62	6.44	4.37	2.73	297	56.7					
	3.33	4.06	5.34	7.08	9.41	12.2	14.1	11.2	7.78	6.88	8.07	11.2	12.8	10.3	7.63	5.53	3.90	2.55	144	0.00					
	2.85	3.78	4.64	5.67	6.88	7.94	7.37	5.19	4.82	4.88	4.62	5.09	6.99	7.05	5.85	4.59	3.36	2.36	94.0	0.00					
2.16	3.34	4.00	4.54	5.03	5.56	5.56	4.56	3.98	4.08	3.86	4.45	5.21	5.02	4.32	3.63	2.79	2.21	74.3	0.00						
-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL(°)										16	24	32	40	48	56	64	72
Φ t	51.6	75.6	113	174	286	498	936	1985	3470	4348	3473	1770	770	397	217	129	79.6	49.9	19003						
Φ a	0.00	0.00	0.00	0.00	0.00	136	762	1856	3378	4263	3372	1627	584	43.5	0.00	0.00	0.00	0.00		15707					

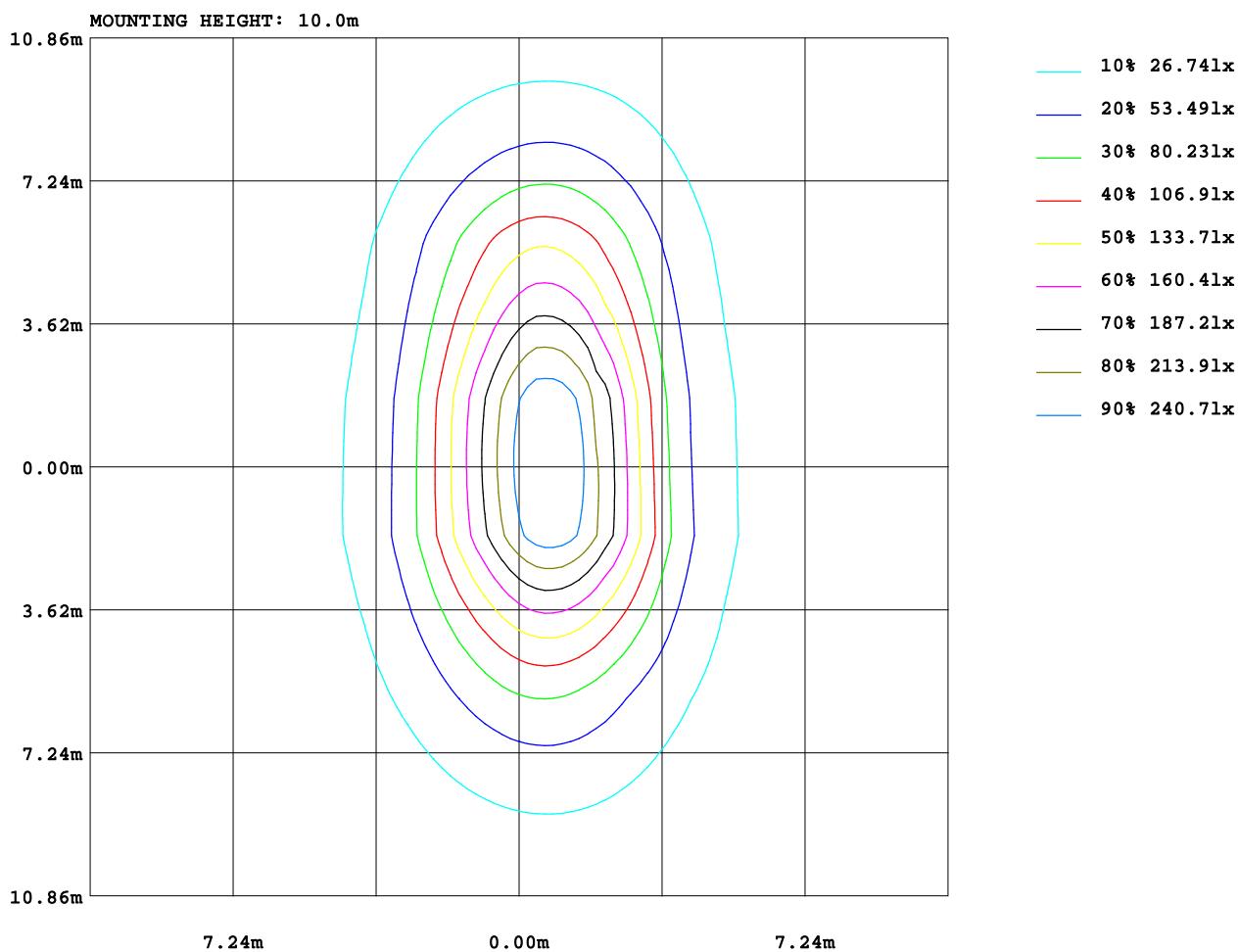
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月31日

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.:



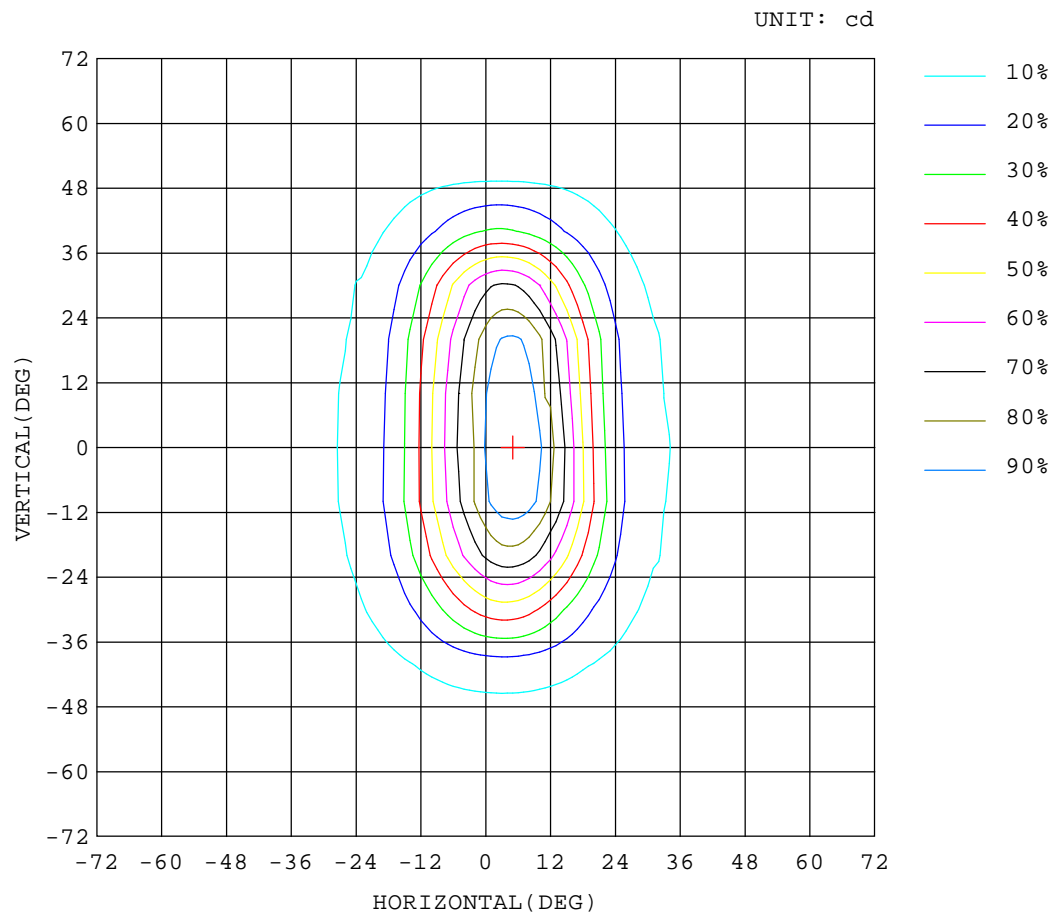
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月31日

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31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	2795	2736	2500	2137	1986	2152	2522	2743	0- 5	593.1	593.1
10.0	2553	2684	2460	1706	1394	1725	2503	2682	5- 10	1663	2256
15.0	1901	2370	2229	1289	839.4	1303	2428	2310	10- 15	2393	4649
20.0	1100	1801	1999	880.4	496.9	903.5	2352	1880	15- 20	2667	7316
25.0	600.6	1227	1613	583.8	332.2	603.5	2124	1342	20- 25	2575	9892
30.0	368.3	763.9	1227	394.1	236.3	410.8	1896	847.4	25- 30	2264	12156
35.0	250.3	462.8	837.6	273.3	170.5	299.8	1374	515.2	30- 35	1863	14019
40.0	178.4	297.7	447.9	196.9	123.6	210.4	852.2	333.3	35- 40	1400	15419
45.0	124.0	200.0	291.0	140.8	94.40	149.2	542.3	222.3	40- 45	993.2	16412
50.0	92.19	134.9	134.1	102.3	73.51	106.1	232.5	150.5	45- 50	701.0	17113
55.0	69.30	95.91	99.20	77.91	63.51	77.71	155.2	103.7	50- 55	482.7	17596
60.0	59.10	69.33	64.25	60.32	51.63	58.85	77.90	72.46	55- 60	365.5	17961
65.0	47.45	53.05	51.65	48.44	44.30	46.35	59.92	53.03	60- 65	280.9	18242
70.0	39.91	40.68	39.05	39.29	40.61	36.47	41.95	39.05	65- 70	230.3	18473
75.0	35.09	31.71	29.99	31.54	57.93	28.08	30.57	29.24	70- 75	190.8	18663
80.0	69.30	24.25	20.93	24.23	37.18	21.17	19.19	22.27	75- 80	161.7	18825
85.0	67.51	14.30	12.28	14.41	3.605	12.36	11.23	13.22	80- 85	129.9	18955
90.0	0.331	0.893	3.627	0.342	0.794	0.606	3.274	0.684	85- 90	47.50	19003
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: $\times 10\text{cd}$									UNIT:lm	

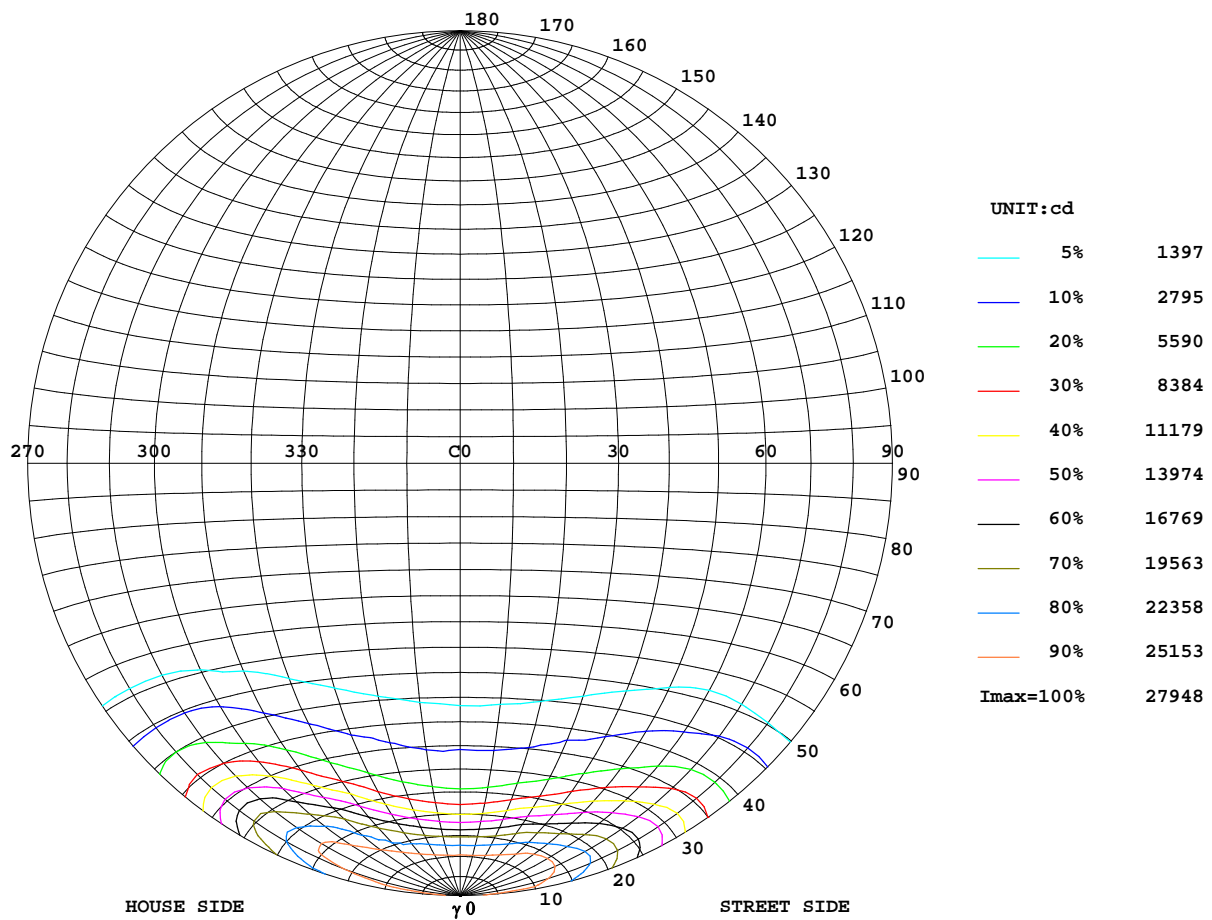
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月31日

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31日

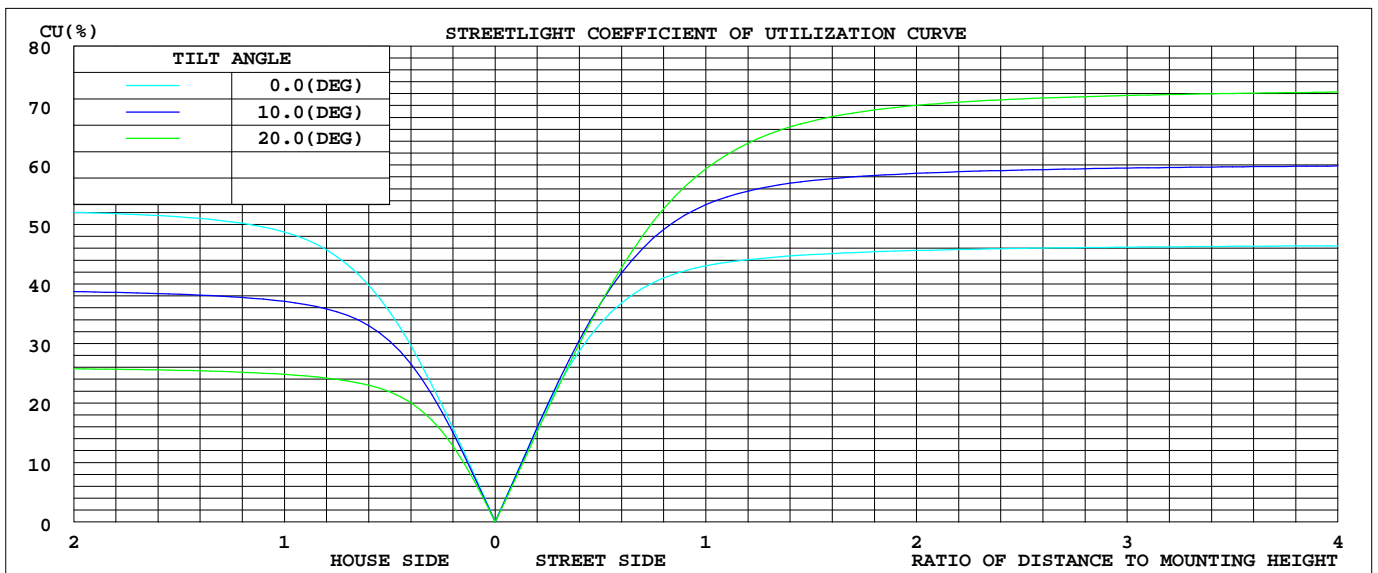
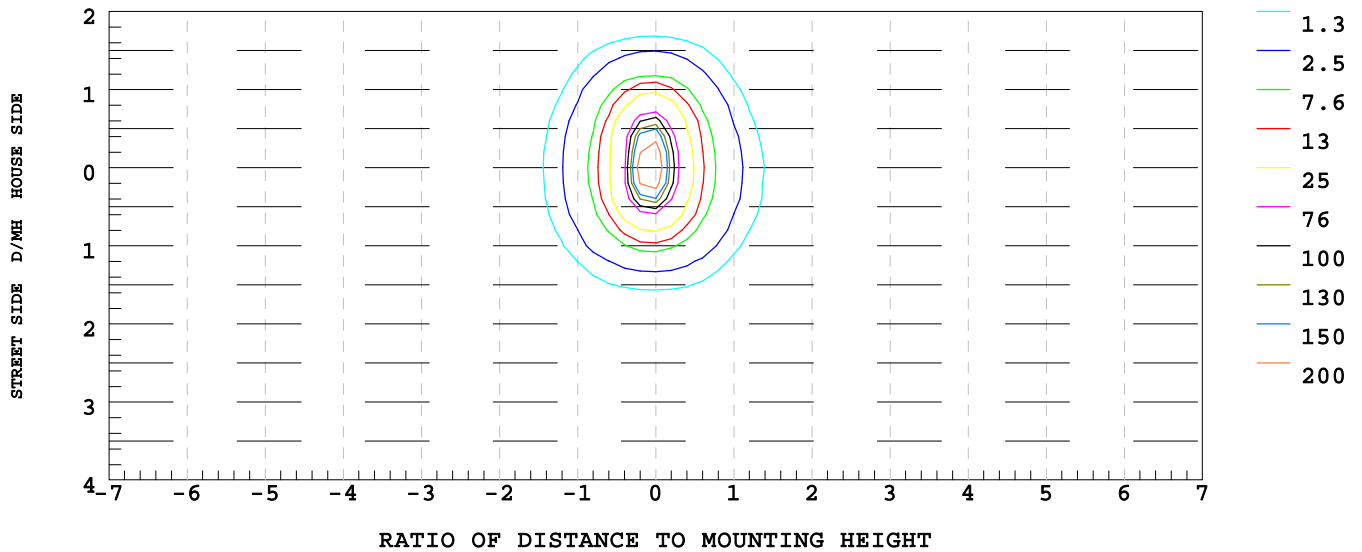
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m,Enadir = 254.00 lx



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月31日

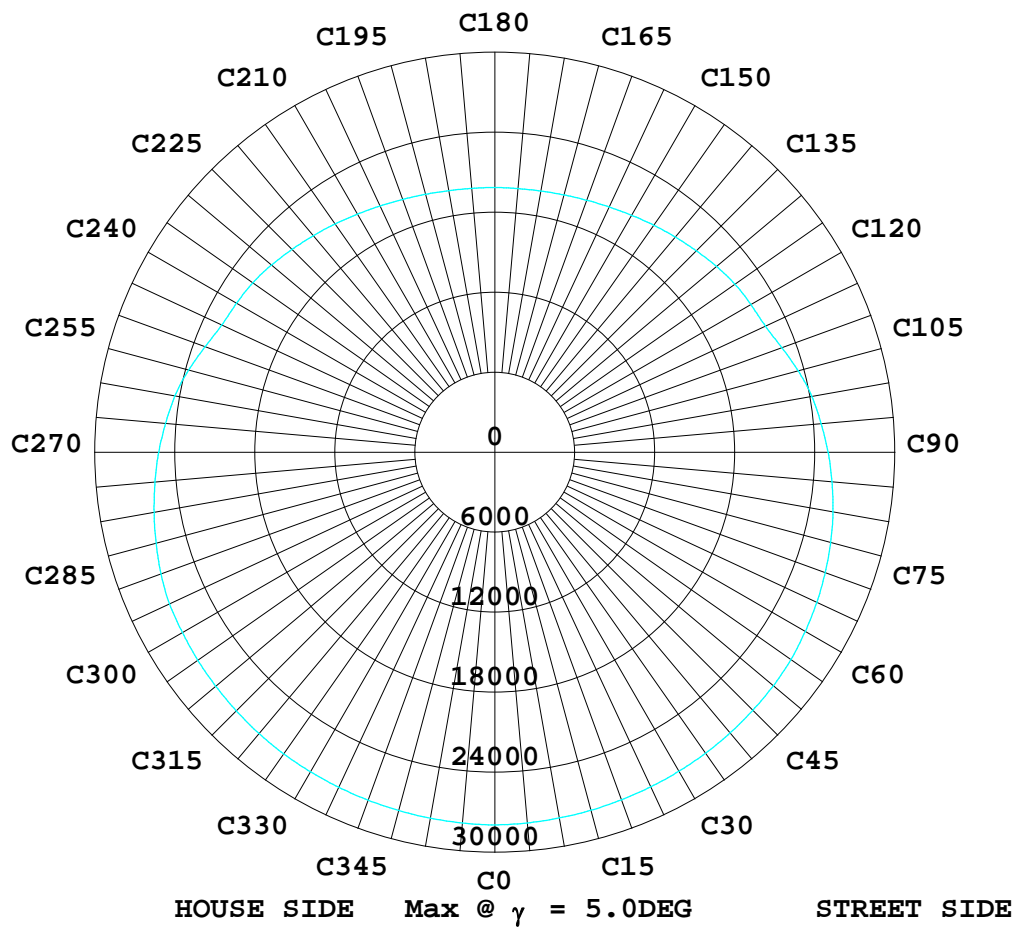
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:



## 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31日

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