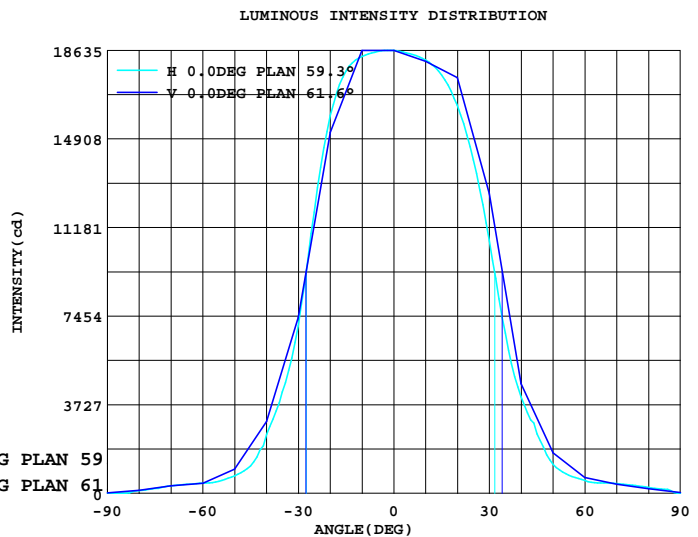
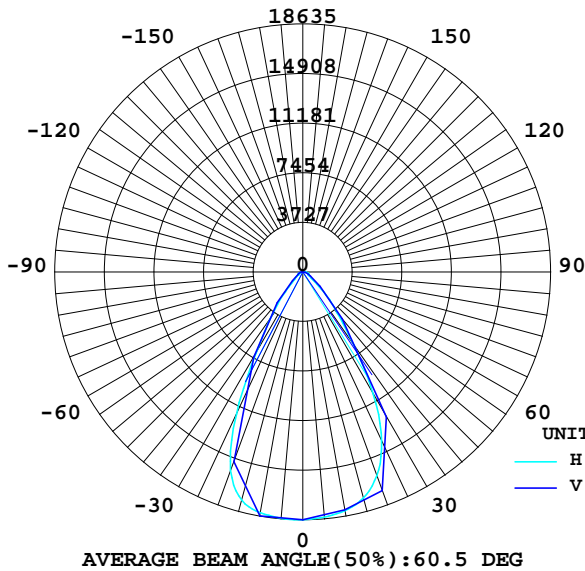


## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:	3030				
NOMINAL POWER(W):	150	Imax(cd):	18664	Voltage(V)	219.5
RATED VOLTAGE(V):	220	AVAILABILITY(%):	90.2	Current(A)	0.692
NOMINAL FLUX(lm):	19596	Avai. FLUX(lm):	17682	Power(W)	146.5
TEST FLUX(lm):	19596	EFFICIENCY(%):	100.0	Power Factor(PF)	0.963
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	19596	EFFICIENCY(lm/W)	133.8
Effective Flux(lm) :	17682.0	$\theta$ @50%(H, V):	54.6,61.5DEG	EEL:	0.113



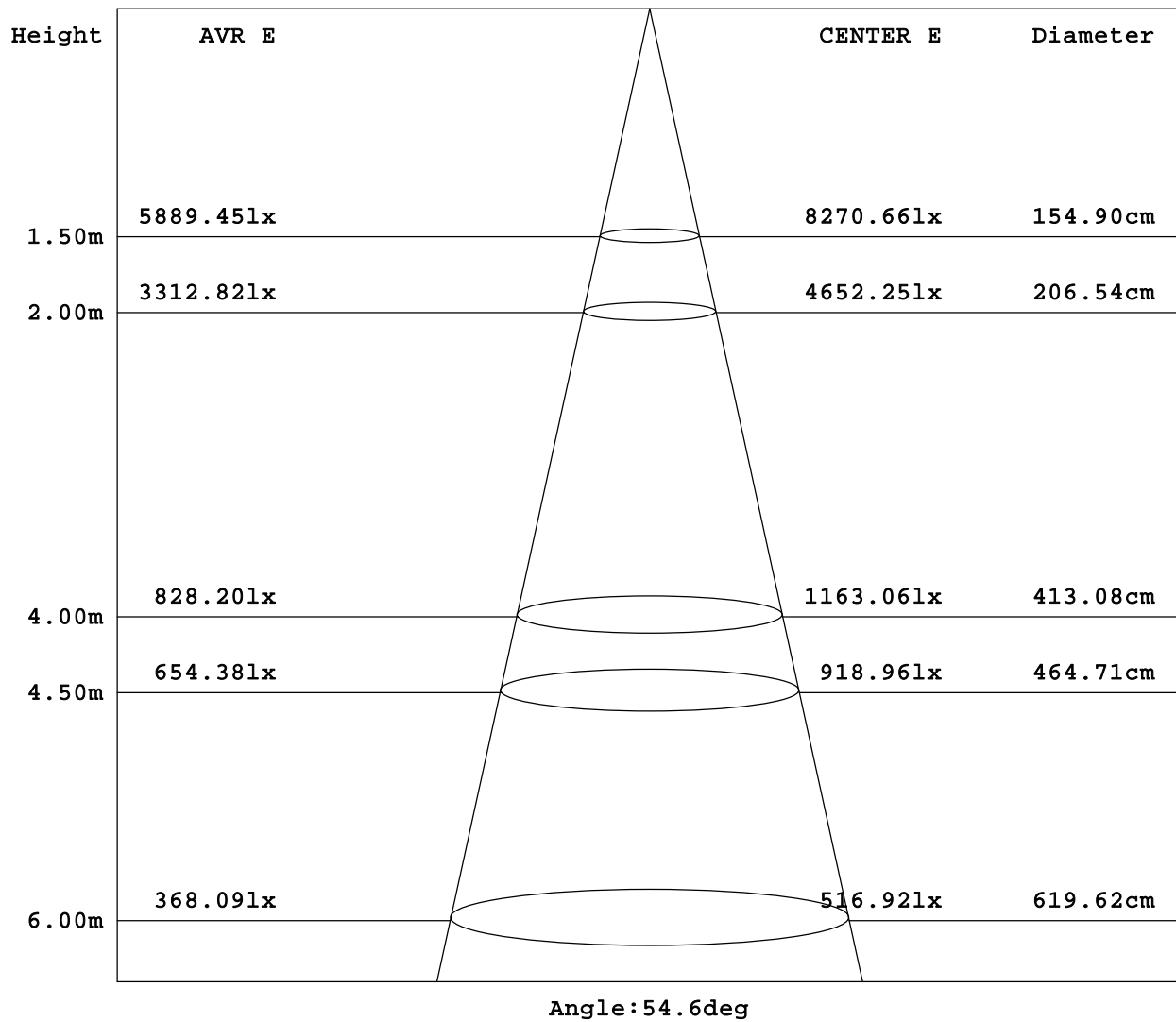
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年08月02日

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: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System: HOP00 HPG1900  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2017年08月02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: LITIAN	Address:					
NAME: LT-T-115A-150w-60度	TYPE:			WEIGHT:		
SPECIFICATION:	DIMENSION:			SERIAL No.:		

72	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	1.04	2.15	3.43	4.42	5.39	6.12	6.43	6.40	7.33	7.27	6.70	6.71	6.37	5.63	4.79	3.88	2.74	1.54	88.4	0.00		
64	1.35	2.79	4.14	5.12	6.05	7.02	7.83	8.71	10.6	11.5	9.87	8.80	7.67	6.51	5.48	4.46	3.27	1.96	113	0.00		
56	1.61	3.14	4.24	5.45	7.31	9.71	12.5	15.7	19.1	21.5	17.8	14.3	10.9	8.17	6.18	4.88	3.66	2.33	169	0.00		
48	2.20	3.37	4.32	6.34	12.8	19.4	26.1	35.6	44.3	44.3	37.7	28.6	20.4	13.1	7.11	4.99	3.72	2.29	317	136		
40	1.99	3.28	4.56	8.42	16.9	33.6	59.0	85.4	106	112	99.5	76.1	50.5	27.0	12.4	6.02	3.84	2.60	710	620		
32	2.24	3.41	5.89	13.2	34.6	69.7	131	205	248	248	206	136	76.4	40.4	16.0	6.77	3.96	2.66	1448	1382		
24	2.37	3.52	6.71	16.4	47.6	105	212	316	361	356	312	229	132	63.4	25.9	8.93	4.27	2.73	2206	2149		
VERTICAL (DEG)	2.35	3.64	7.14	19.1	56.8	142	287	377	396	390	373	320	199	87.7	37.8	11.5	4.68	2.88	2717	2667		
	2.53	3.86	9.54	31.5	86.6	219	348	373	367	357	338	286	181	77.6	28.6	9.74	4.51	3.02	2727	2676		
	2.52	4.31	7.55	18.1	58.3	147	282	345	363	364	349	307	222	107	44.2	13.6	5.77	3.13	2645	2592		
	2.44	3.82	7.76	23.2	64.0	148	269	337	362	359	326	259	160	74.0	29.8	9.93	4.56	2.83	2443	2392		
-24	2.31	3.43	6.68	19.6	51.0	109	196	276	317	315	274	197	104	48.9	20.4	7.80	3.95	2.69	1954	1899		
-32	2.18	3.40	4.56	7.03	20.1	35.3	74.4	156	209	214	182	127	74.8	42.1	20.0	8.18	4.32	2.76	1187	1110		
-40	2.18	3.34	4.87	9.41	18.5	32.8	39.8	43.3	51.9	49.9	35.3	22.2	15.7	10.0	5.70	4.60	3.67	2.47	356	230		
-48	1.76	3.18	4.05	4.65	6.84	8.77	12.6	17.7	22.9	26.1	24.8	20.7	15.3	12.0	8.36	4.86	3.79	2.47	201	55.3		
-56	1.67	3.05	3.95	4.17	4.41	5.65	6.43	6.16	6.18	6.07	5.26	5.64	6.11	5.94	5.15	4.52	3.48	2.13	86.0	0.00		
-64	1.30	2.62	3.76	4.32	4.13	3.79	2.86	2.39	2.48	3.36	2.60	2.60	3.12	3.52	3.90	4.14	3.09	1.82	55.8	0.00		
-72	0.67	1.83	3.12	4.05	4.17	3.36	2.35	1.75	1.75	2.68	2.00	2.43	3.47	4.33	4.53	3.47	2.52	1.48	50.0	0.00		
-72    -64    -56    -48    -40    -32    -24    -16    HORIZONTAL (DEG)    16    24    32    40    48    56    64    72																						
Φ t	34.7	58.2	96.3	205	506	1105	1976	2608	2897	2888	2601	2048	1290	638	287	122	69.8	43.8	19596			
Φ a	0.00	0.00	0.00	54.7	387	1004	1889	2535	2833	2822	2528	1958	1205	545	147	0.38	0.00	0.00		17682		

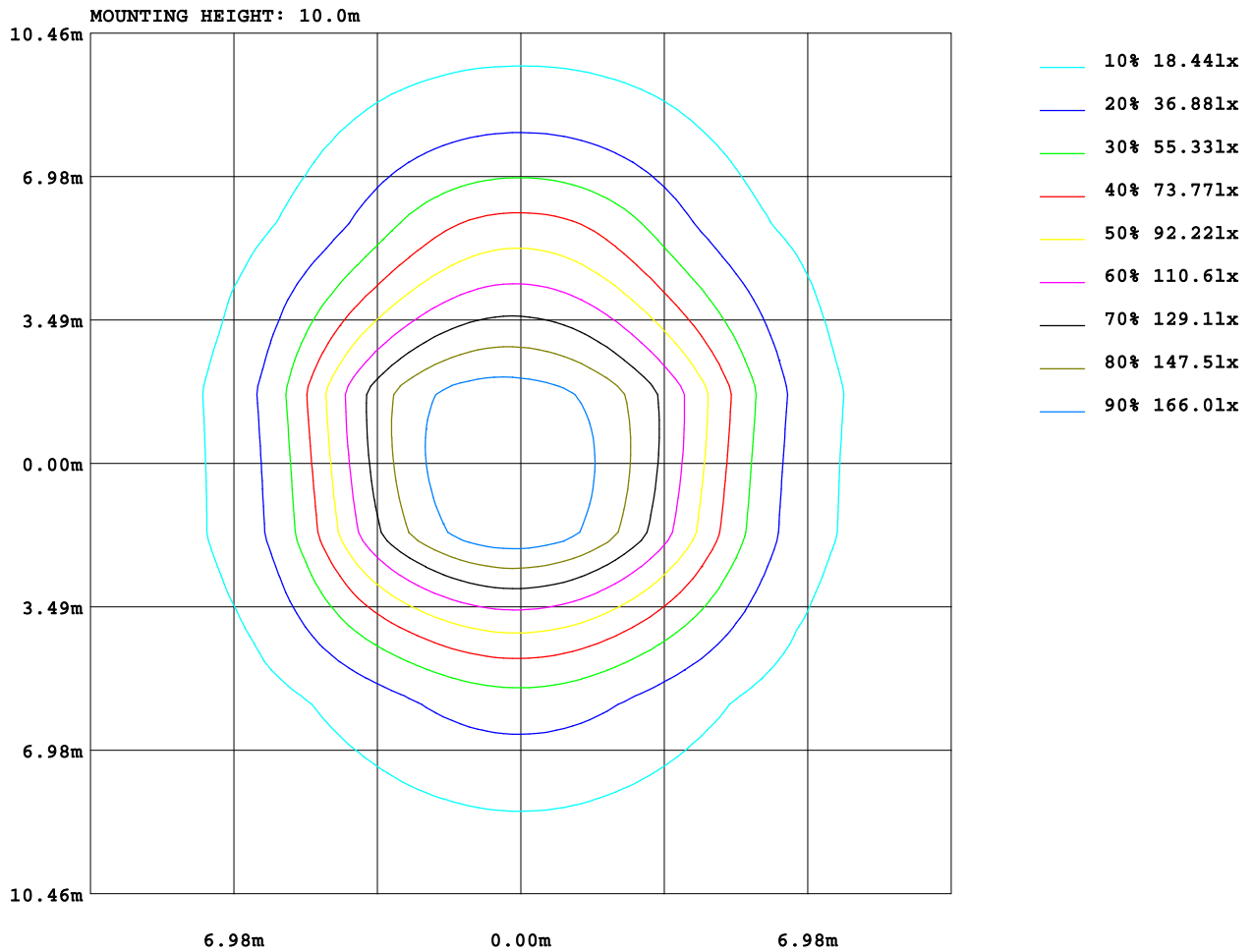
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年08月02日

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

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



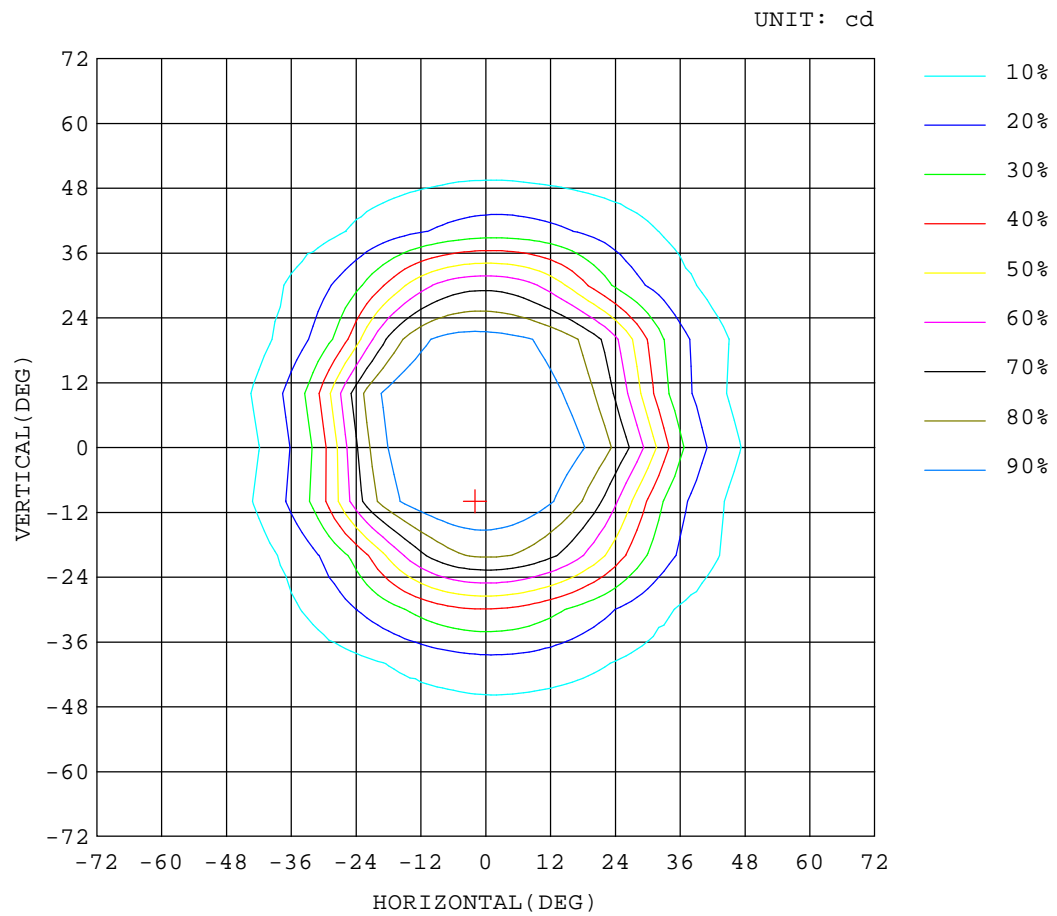
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年08月02日

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

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年08月02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: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	1845	1850	1863	1862	1861	1855	1842	1834	0- 5	443.5	443.5
10.0	1814	1819	1865	1839	1843	1849	1822	1799	5- 10	1317	1760
15.0	1739	1725	1692	1752	1797	1830	1783	1745	10- 15	2127	3888
20.0	1592	1481	1518	1493	1637	1710	1744	1640	15- 20	2766	6654
25.0	1346	1184	1129	1147	1285	1486	1501	1474	20- 25	3071	9725
30.0	977.6	844.1	739.7	764.4	796.2	1082	1259	1162	25- 30	2845	12570
35.0	600.8	539.3	521.7	473.3	465.4	653.9	861.2	764.9	30- 35	2242	14812
40.0	372.3	320.0	303.7	282.0	281.2	375.1	463.7	448.1	35- 40	1585	16397
45.0	221.1	199.7	202.6	172.0	132.7	226.9	316.5	286.7	40- 45	1047	17445
50.0	108.3	112.9	101.6	98.11	79.51	123.5	169.2	162.6	45- 50	668.2	18113
55.0	71.13	76.96	74.03	64.27	54.90	82.68	119.0	102.5	50- 55	414.0	18527
60.0	49.72	49.49	46.40	40.42	43.15	52.87	68.77	62.56	55- 60	282.0	18809
65.0	43.28	40.85	38.91	35.67	39.00	39.14	53.65	44.96	60- 65	207.6	19017
70.0	39.26	34.92	31.43	31.58	32.75	32.94	38.53	36.05	65- 70	182.8	19199
75.0	32.53	28.12	22.26	26.00	20.81	28.75	28.98	31.10	70- 75	160.3	19360
80.0	22.39	19.83	13.09	16.69	12.44	21.09	19.43	23.81	75- 80	125.0	19485
85.0	16.42	10.75	7.535	7.757	1.102	11.60	11.46	13.90	80- 85	80.72	19566
90.0	0.287	0.816	1.973	0.232	0.639	0.430	3.494	0.860	85- 90	30.39	19596
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	

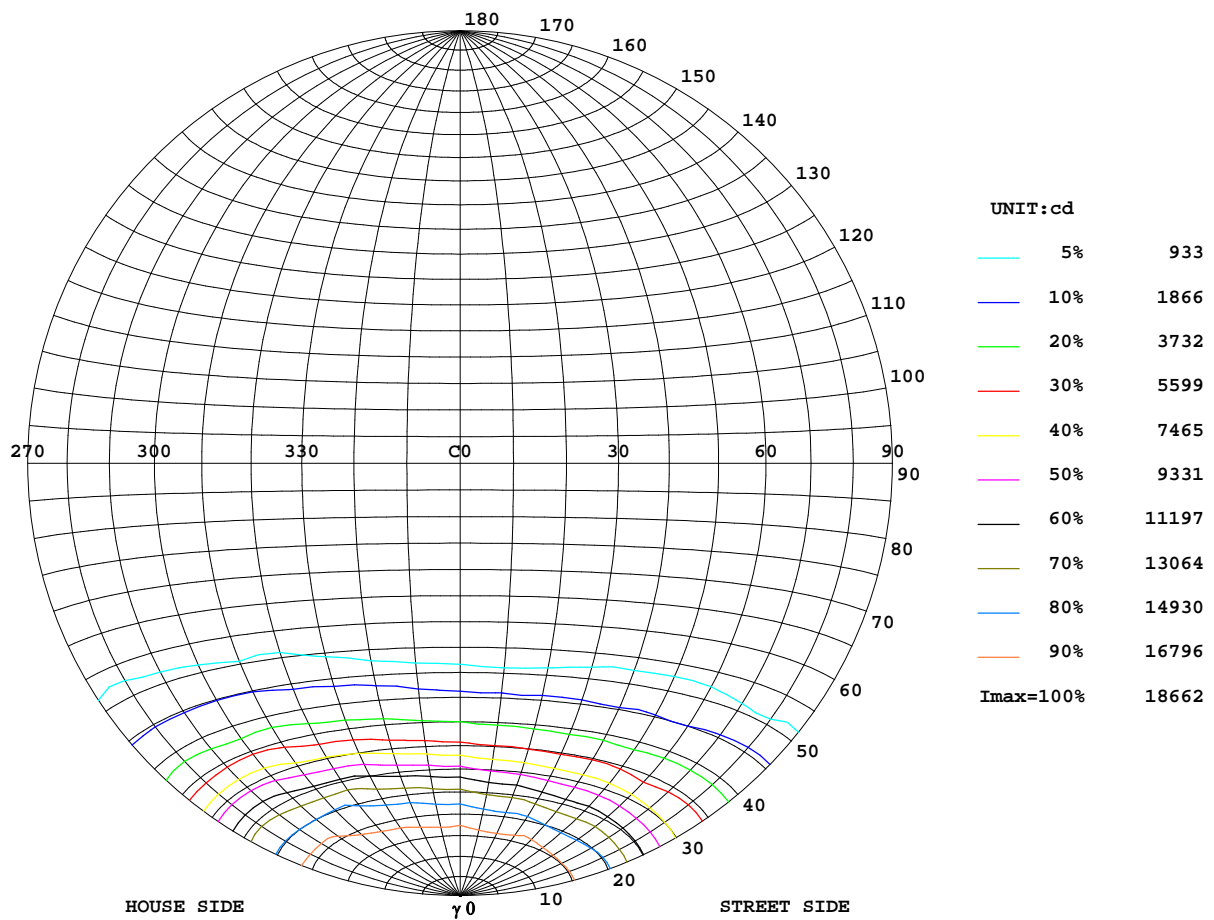
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年08月02日

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

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年08月02日

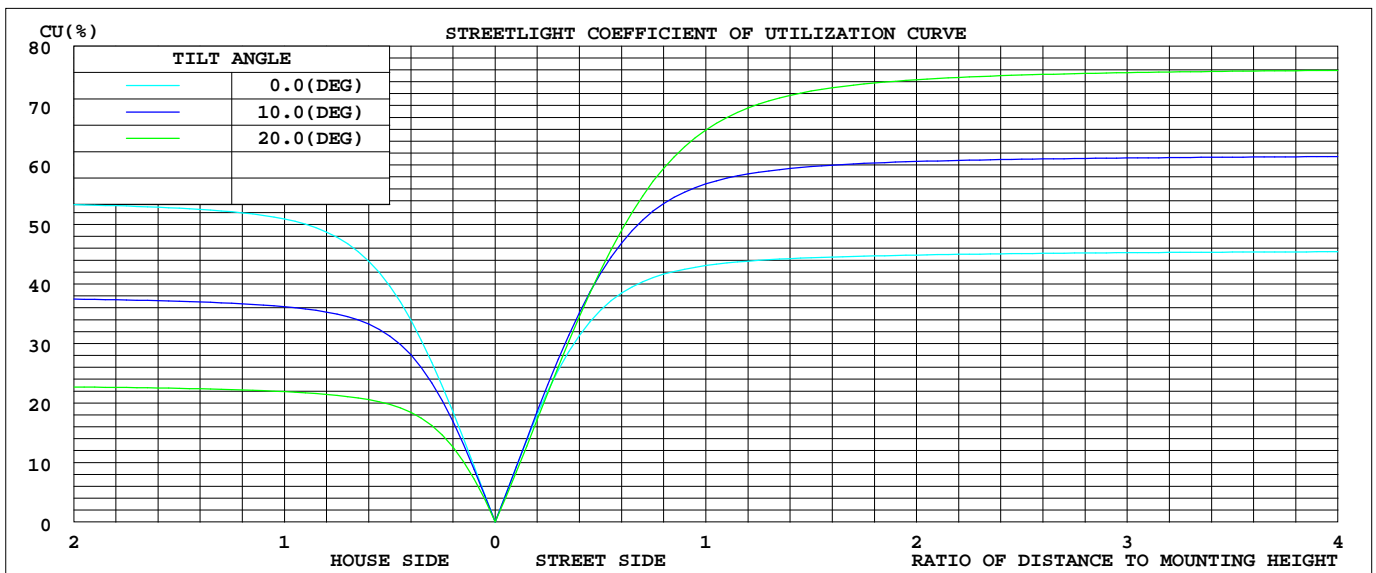
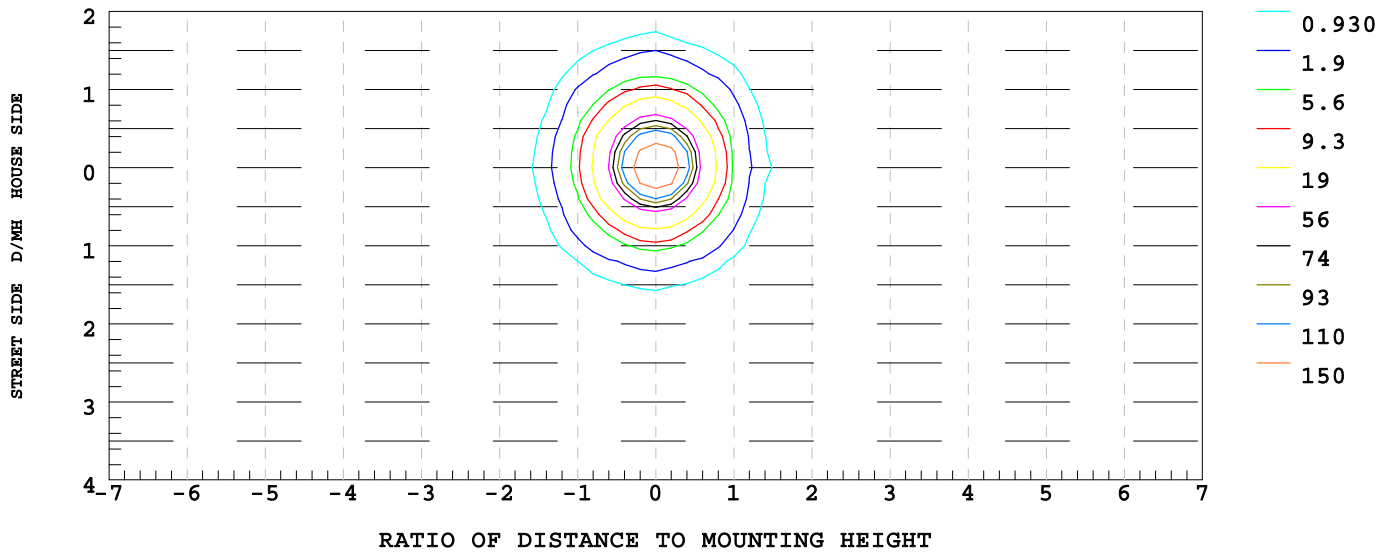
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 186.09 lx



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年08月02日

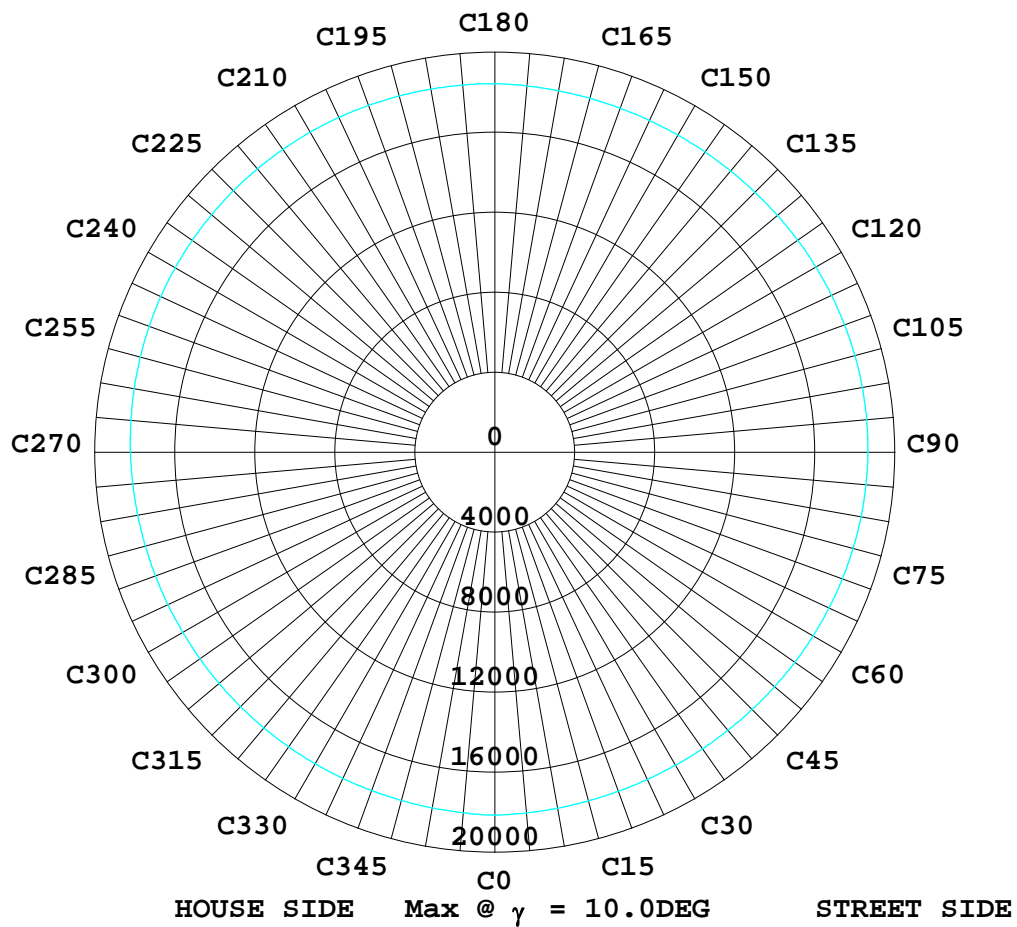
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:



# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-T-115A-150w-60度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
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Test Set: 5.0deg/s B-Beta (TYPE B)  
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