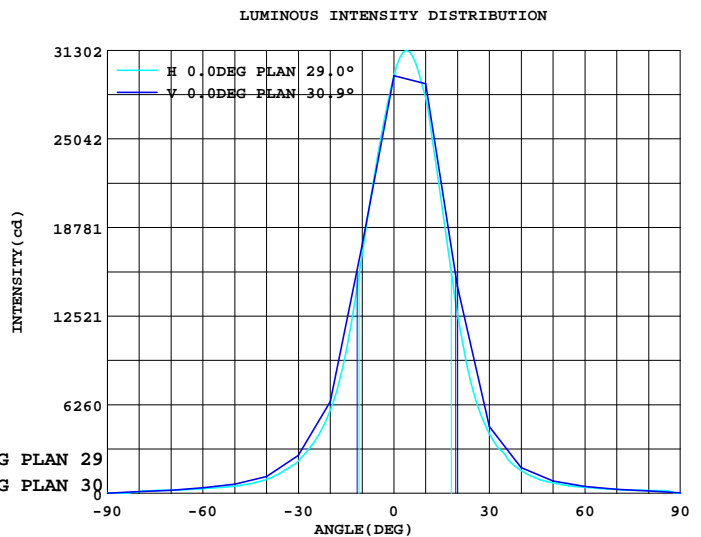
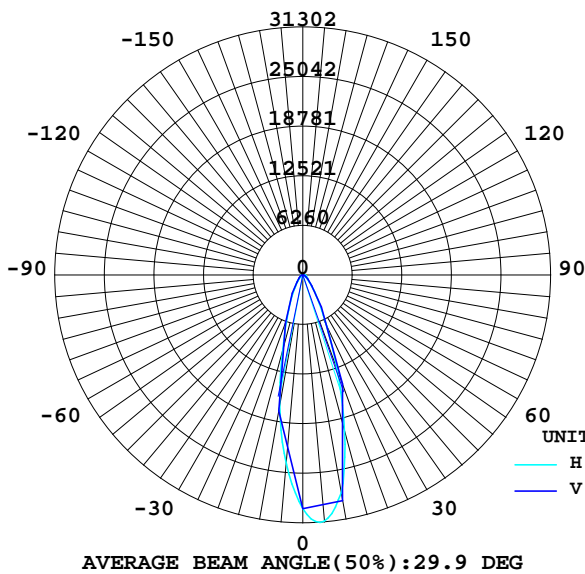


## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: litian	Address:	
NAME: LT-T-115A-100w-30度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:	3030				
NOMINAL POWER(W):	100	Imax(cd):	31302	Voltage(V)	219.6
RATED VOLTAGE(V):	220	AVAILABILITY(%):	75.6	Current(A)	0.452
NOMINAL FLUX(lm):	12744	Avai. FLUX(lm):	9632	Power(W)	97.72
TEST FLUX(lm):	12744	EFFICIENCY(%):	100.0	Power Factor(PF)	0.984
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	12744	EFFICIENCY(lm/W)	130.4
Effective Flux(lm) :	9632.2	$\theta$ @50%(H, V):	29.0,31.4DEG	EEl:	0.138



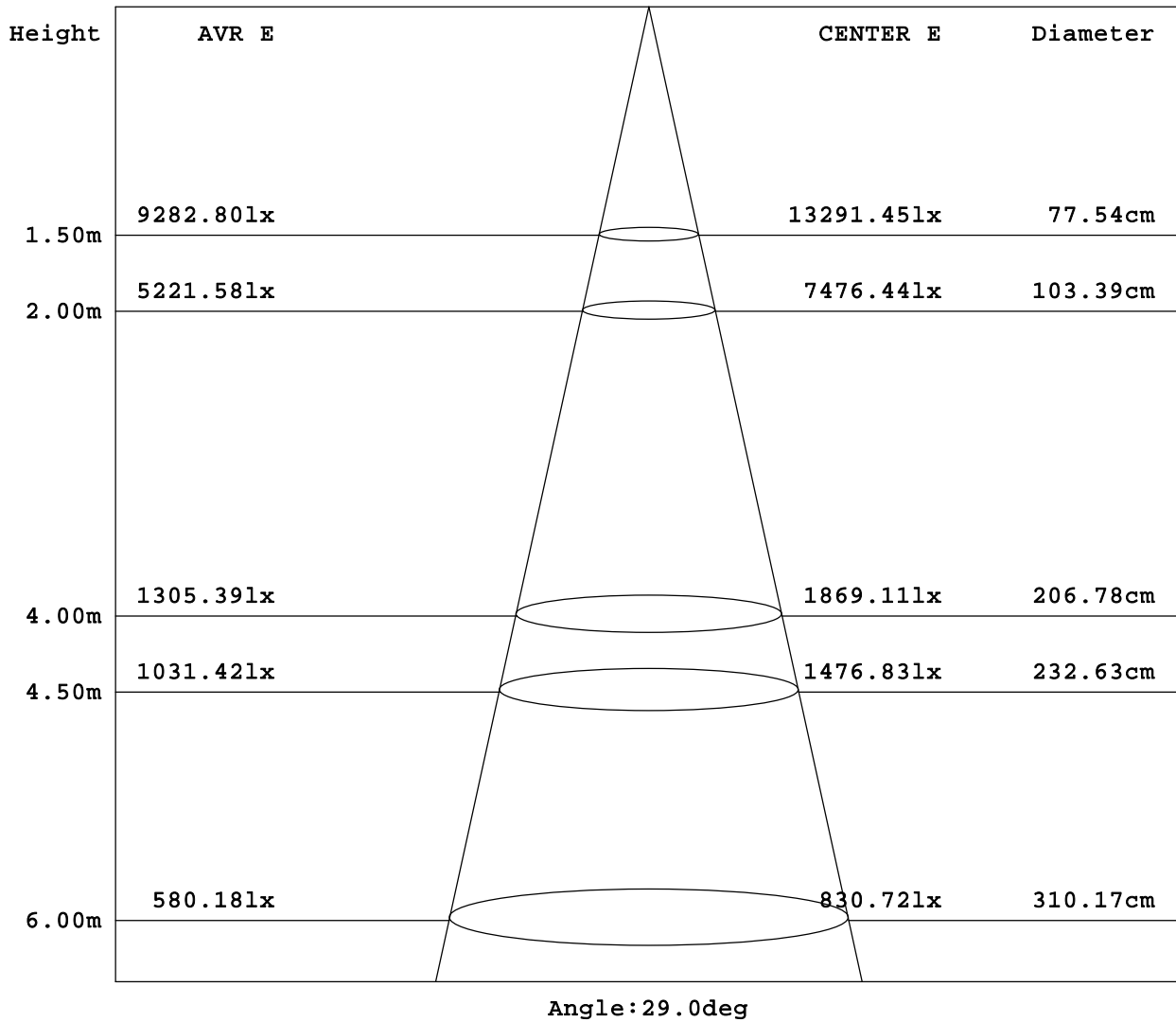
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年08月02日

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-100w-30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-100w-30度	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	2.58	3.22	3.89	4.60	5.39	6.27	7.16	7.99	8.57	8.70	8.33	7.62	6.72	5.80	4.96	4.22	3.56	2.96	103	0.00		
45																						
40	2.74	3.56	4.68	6.08	7.78	9.75	11.8	13.7	15.1	15.7	15.1	13.6	11.7	9.55	7.53	5.84	4.49	3.43	163	0.00		
35	2.96	3.91	5.27	7.00	9.15	11.6	14.3	16.8	18.6	19.3	18.6	16.8	14.2	11.5	8.92	6.78	5.09	3.80	195	0.00		
30	3.58	5.17	7.52	10.7	15.3	21.3	28.0	35.0	40.0	41.3	38.3	32.4	25.4	18.6	13.2	9.19	6.33	4.37	356	245		
25	3.96	5.89	8.77	12.8	18.6	26.3	35.0	44.1	50.6	52.2	48.3	40.5	31.4	22.7	15.8	10.7	7.18	4.82	440	341		
20	4.11	6.30	9.93	15.2	24.2	37.8	59.3	90.1	120	133	122	93.2	63.1	40.6	25.9	16.4	10.0	6.23	878	806		
15	4.40	6.89	11.1	17.4	28.4	45.4	73.2	114	155	172	157	119	79.4	50.2	31.4	19.6	11.7	7.07	1104	1036		
	5.00	8.18	13.3	22.4	37.0	65.2	117	184	236	249	220	162	100	55.3	31.4	18.1	10.9	6.51	1542	1479		
	5.41	9.06	14.9	25.7	43.0	77.6	143	226	289	303	267	195	118	63.1	34.7	19.4	11.5	6.78	1853	1796		
	4.60	7.37	11.8	19.5	32.2	54.6	96.6	153	204	238	233	190	127	72.3	39.1	22.6	12.9	7.58	1526	1466		
	4.53	7.23	11.5	19.0	31.4	52.9	93.6	149	202	245	247	208	141	80.7	42.8	24.7	13.8	8.06	1582	1523		
	4.55	7.18	11.3	17.5	26.7	39.7	58.0	82.5	104	112	104	80.8	55.5	35.5	22.9	14.2	9.06	5.70	791	714		
-15	4.51	7.08	11.0	16.6	24.4	33.4	42.0	53.6	62.9	63.0	54.6	40.7	29.9	22.4	17.1	11.2	7.71	5.04	508	409		
-20	3.36	4.75	6.79	9.60	13.1	17.6	21.5	24.3	27.1	29.1	29.7	28.3	25.1	20.2	15.2	10.5	7.21	4.90	299	139		
-25	2.88	3.75	4.93	6.25	7.24	7.59	4.65	1.66	0.78	0.67	1.27	3.39	8.01	11.5	11.1	8.52	6.20	4.45	94.9	0.00		
-30	2.88	3.75	4.87	6.27	8.00	9.79	11.5	12.7	13.2	12.9	12.2	11.1	9.97	8.46	6.83	5.46	4.28	3.31	148	0.00		
-35	2.59	3.16	3.73	4.28	4.75	4.61	3.92	2.70	1.60	0.93	0.71	0.91	1.42	2.13	2.61	3.01	2.90	2.58	48.6	0.00		
-40	2.28	2.72	3.19	3.66	4.15	4.65	5.14	5.60	6.00	6.22	6.14	5.90	5.50	5.00	4.42	3.84	3.27	2.72	80.5	0.00		
-45																						
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
Φ t	67.0	99.2	149	225	341	527	827	1216	1554	1703	1583	1250	854	536	336	215	138	90.4	12744			
Φ a	0.00	0.00	0.00	53.3	239	440	756	1148	1484	1632	1513	1182	781	433	221	73.0	0.00	0.00		9632		

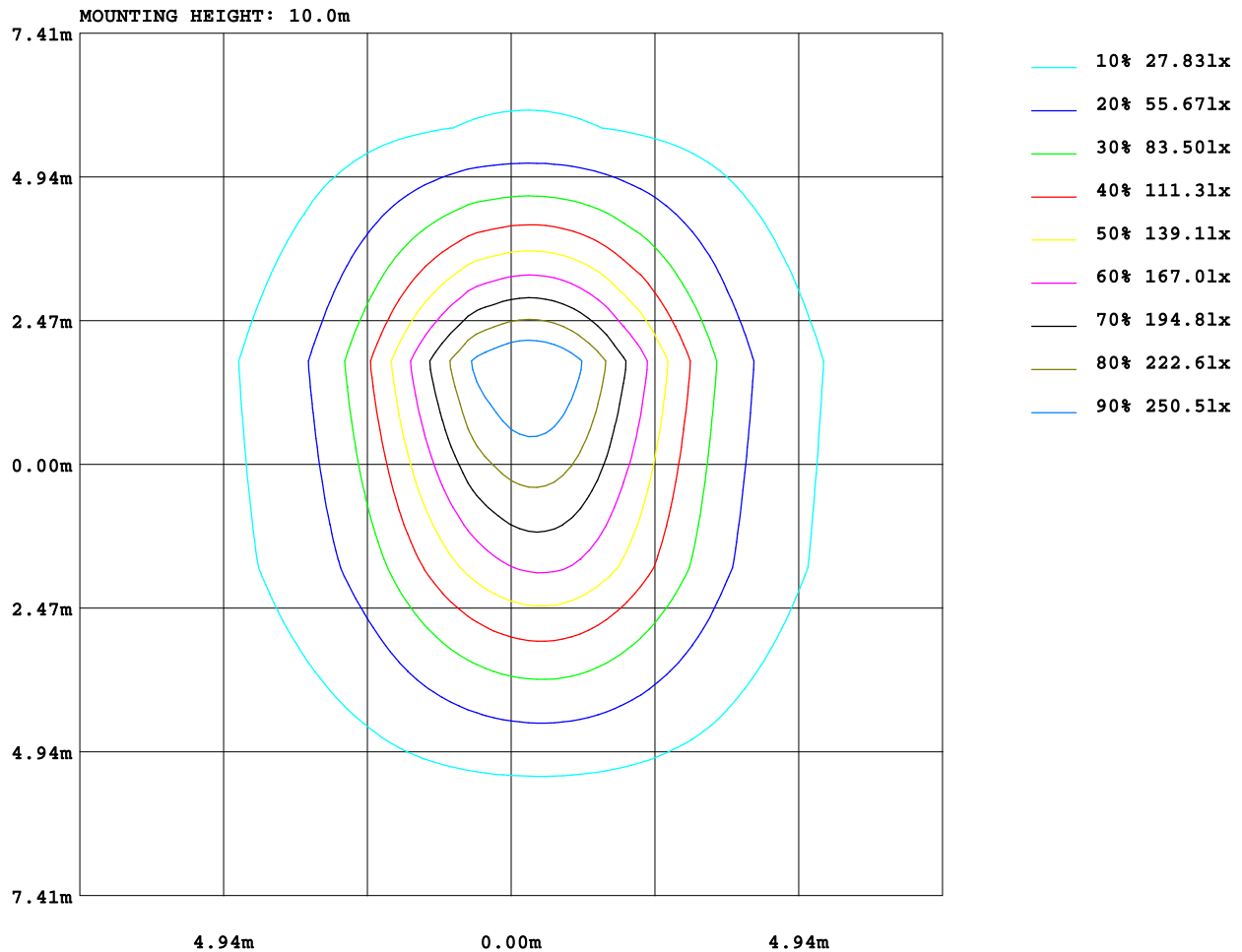
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年08月02日

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-100w-30度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



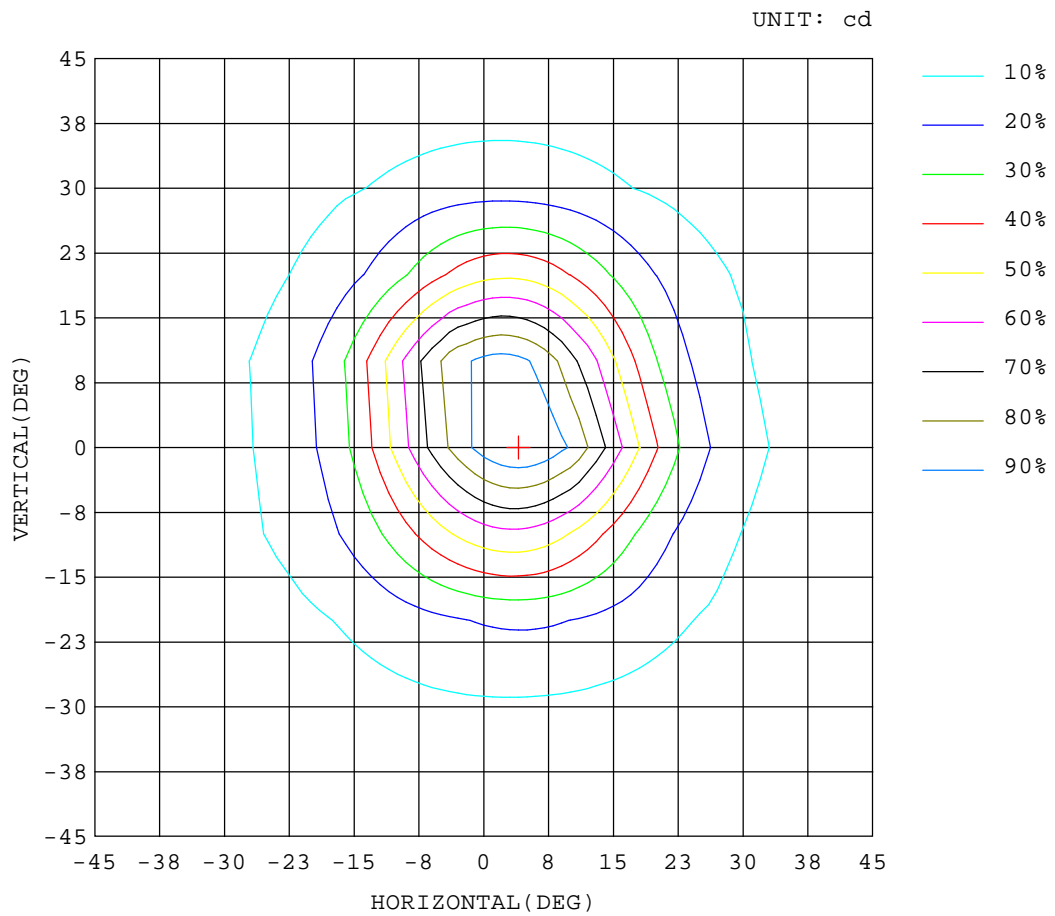
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年08月02日

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-100w-30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-100w-30度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	3107	2663	2361	2250	2463	2639	2934	3057	0- 5	668.2	668.2
10.0	2764	2108	1731	1541	1759	2157	2877	2801	5- 10	1730	2398
15.0	1968	1479	1192	958.3	1051	1563	2177	2207	10- 15	2206	4604
20.0	1202	949.7	652.5	589.7	616.1	911.4	1478	1433	15- 20	2039	6644
25.0	675.0	549.3	459.6	366.8	381.5	539.0	973.5	836.7	20- 25	1588	8232
30.0	400.8	336.2	266.7	239.5	243.7	339.0	468.9	499.2	25- 30	1168	9400
35.0	245.2	214.6	192.6	158.1	159.3	215.7	325.3	299.0	30- 35	822.3	10222
40.0	155.1	134.4	118.6	104.4	103.1	139.3	181.7	182.0	35- 40	599.4	10821
45.0	100.0	95.07	91.63	76.47	71.66	97.54	133.9	121.7	40- 45	432.9	11254
50.0	70.04	66.92	64.63	56.90	52.58	68.66	86.25	80.80	45- 50	330.9	11585
55.0	51.96	54.39	52.46	46.89	41.52	53.68	67.69	62.34	50- 55	261.3	11847
60.0	42.44	44.34	40.28	38.18	33.50	42.81	49.13	48.87	55- 60	218.3	12065
65.0	33.00	35.18	30.76	30.51	27.22	34.71	38.36	39.61	60- 65	182.9	12248
70.0	27.07	27.16	21.24	24.30	22.43	27.75	27.59	31.15	65- 70	151.7	12400
75.0	21.86	21.09	17.24	19.91	20.56	22.01	21.90	23.61	70- 75	124.7	12525
80.0	19.92	18.16	13.25	15.70	14.07	20.78	16.20	20.88	75- 80	105.3	12630
85.0	18.32	11.98	7.414	9.343	0.937	14.25	9.426	14.37	80- 85	80.90	12711
90.0	0.254	0.838	1.576	0.154	0.562	0.110	2.646	1.179	85- 90	33.50	12744
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	

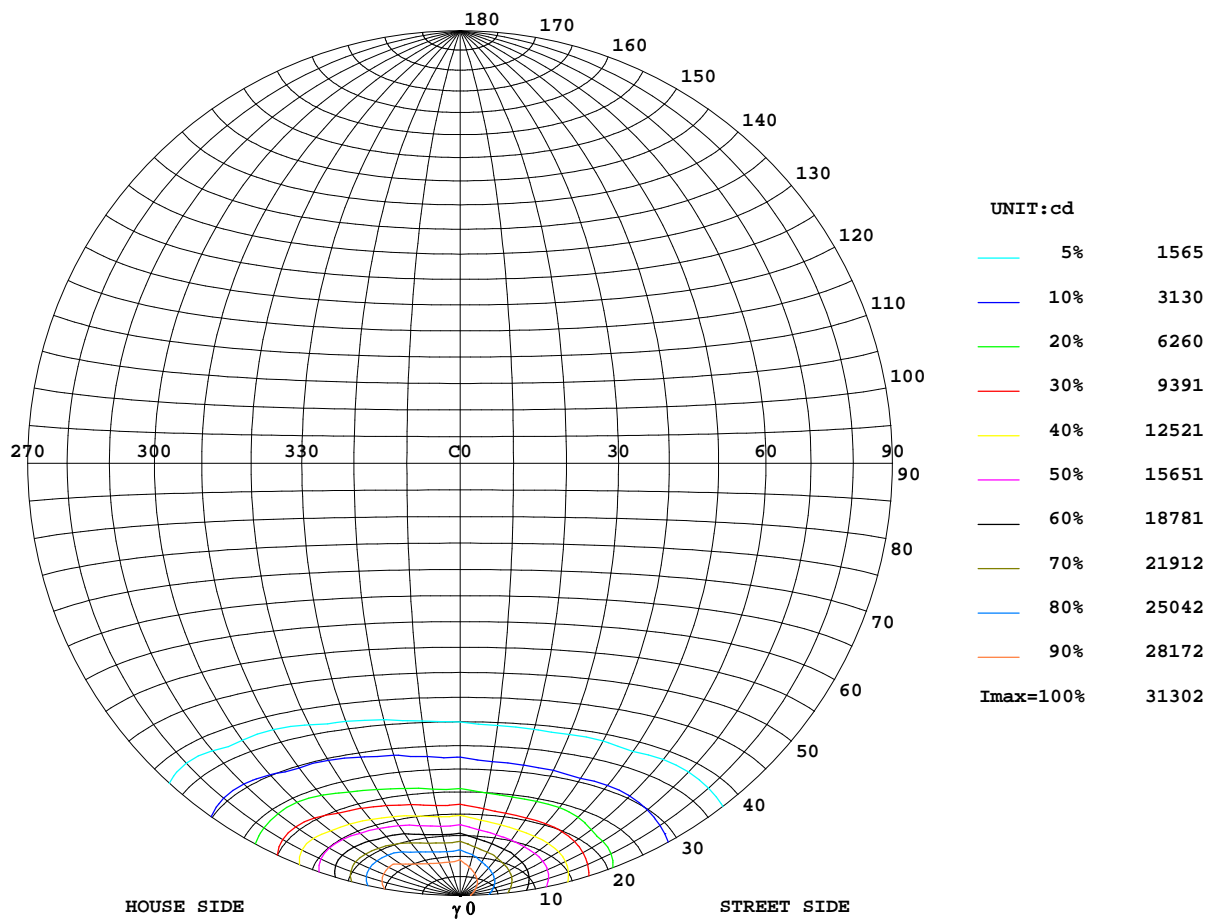
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年08月02日

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-100w-30度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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

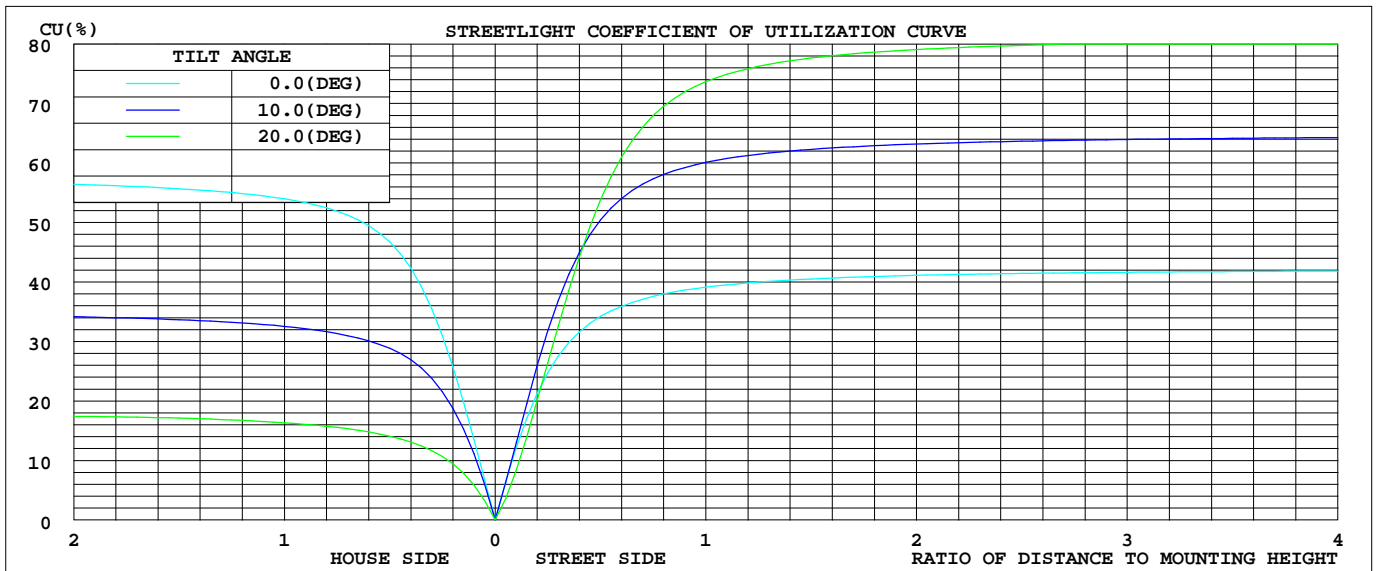
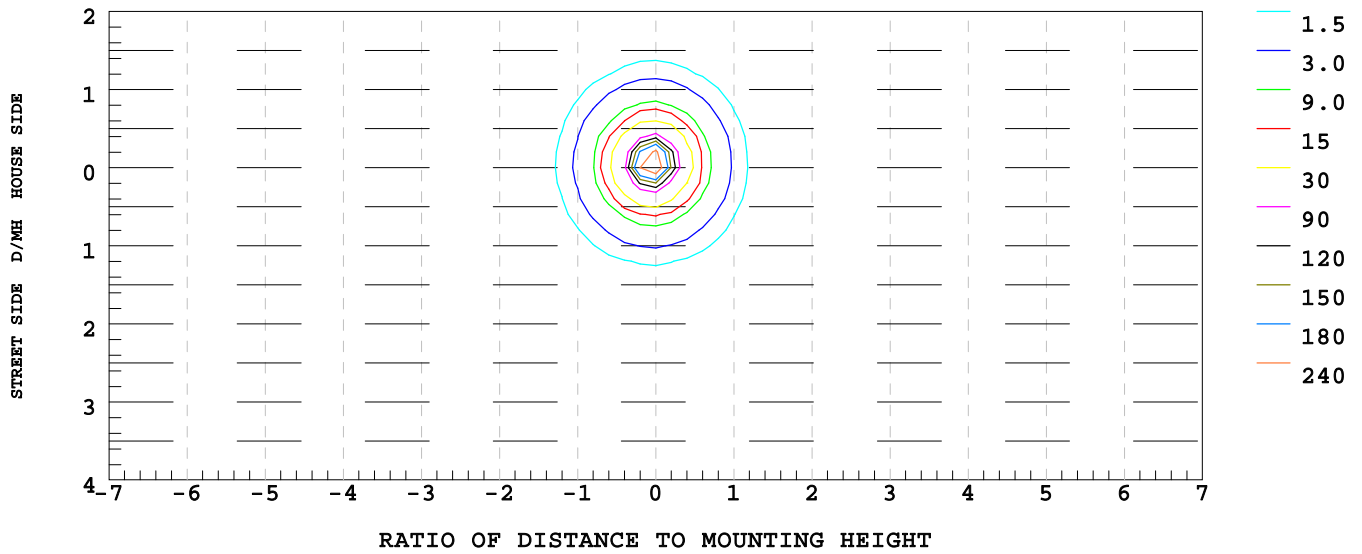
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: litian	Address:	
NAME: LT-T-115A-100w-30度	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 299.06 lx



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

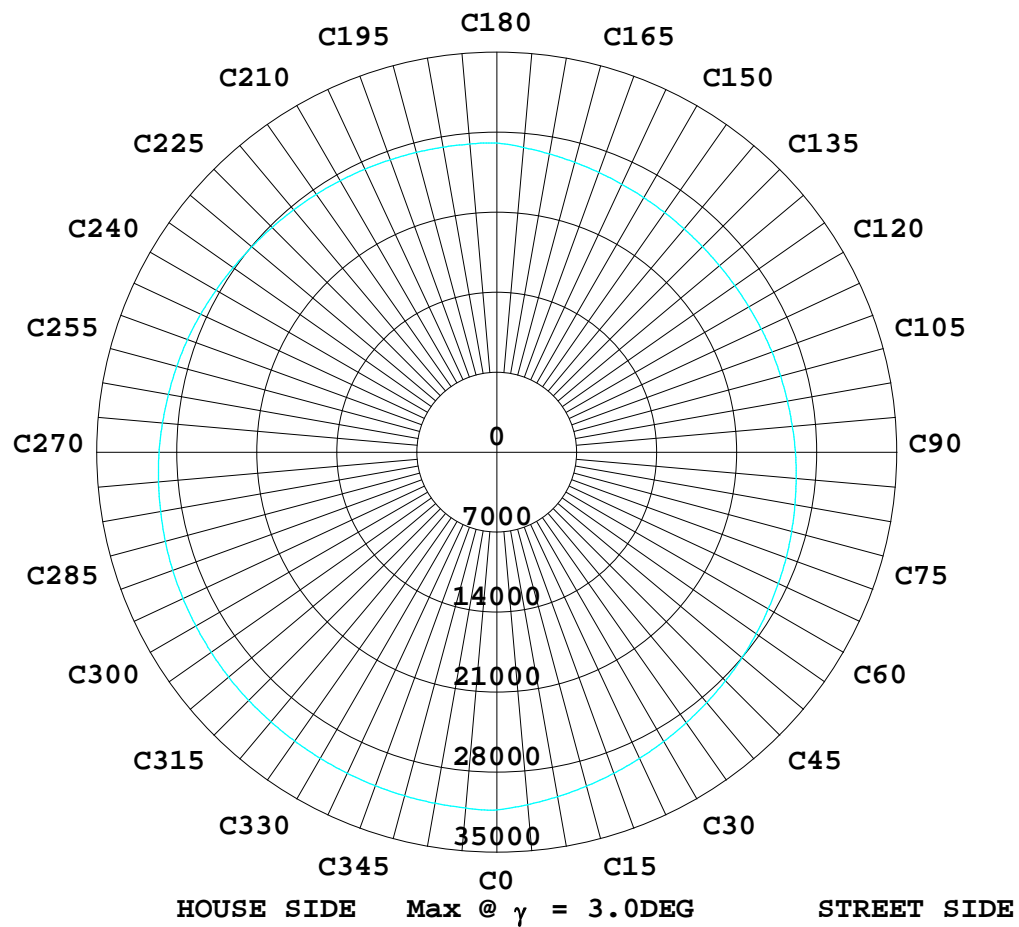
Test Set: 5.0deg/s B-Beta (TYPE B)  
Humidity:65.0%  
Test Distance:10.500 m  
Remarks:



# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: litian	Address:	
NAME: LT-T-115A-100w-30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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