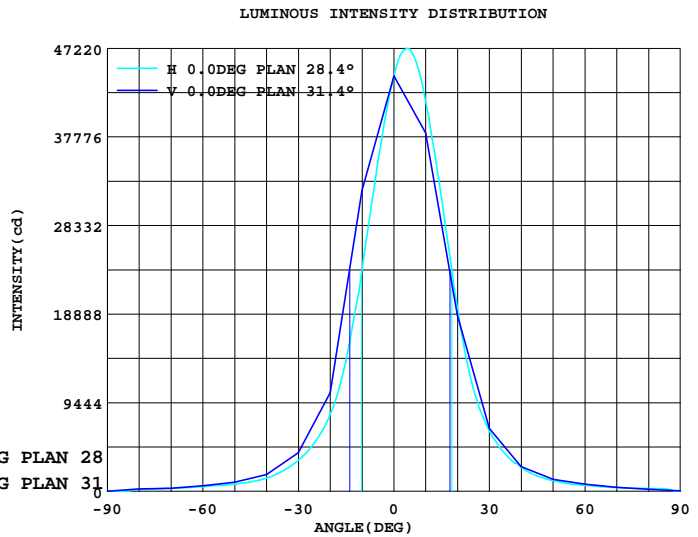
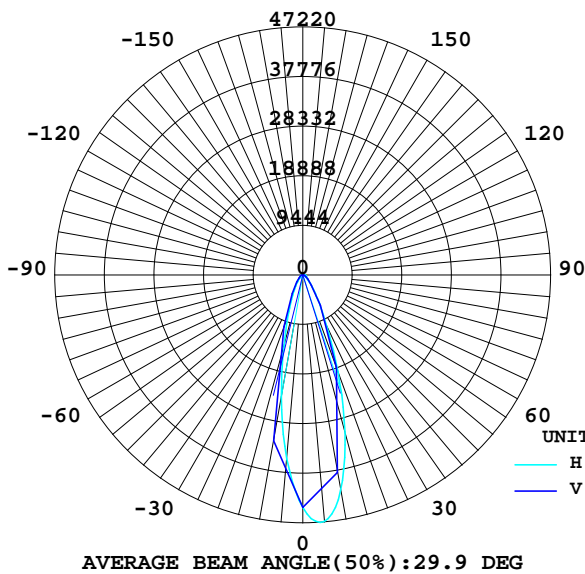


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

MODEL:					
NOMINAL POWER(W):	146	Imax(cd):	47220	Voltage(V)	219.6
RATED VOLTAGE(V):	220	AVAILABILITY(%):	74.9	Current(A)	0.689
NOMINAL FLUX(lm):	18884	Avai. FLUX(lm):	14136	Power(W)	145.8
TEST FLUX(lm):	18884	EFFICIENCY(%):	100.0	Power Factor(PF)	0.963
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	18884	EFFICIENCY(lm/W)	129.5
Effective Flux(lm) :	14136.0	θ @50%(H, V):	28.4,31.8DEG	EEL:	0.140



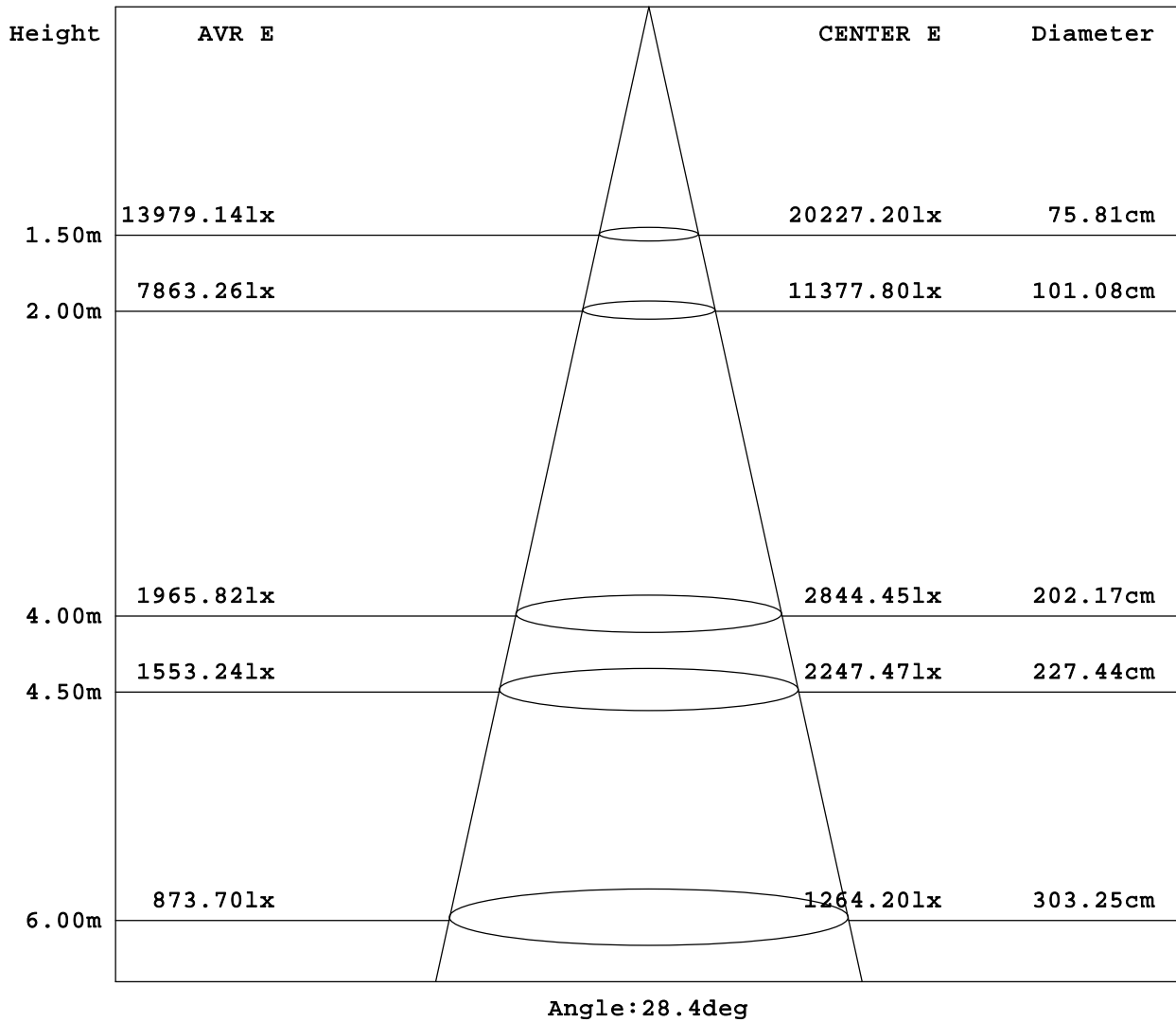
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月31日

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.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	4.11	5.02	5.94	6.90	8.03	9.33	10.6	11.8	12.6	12.6	12.1	11.1	9.94	8.70	7.48	6.37	5.34	4.34	153	0.00		
45																						
40	4.10	5.23	6.71	8.63	11.0	13.7	16.8	19.6	21.8	22.9	22.4	20.5	17.7	14.6	11.7	9.16	7.07	5.40	240	0.00		
35	4.36	5.65	7.43	9.82	12.8	16.3	20.2	23.8	26.7	28.1	27.6	25.2	21.7	17.7	13.9	10.7	8.09	6.07	287	0.00		
30	5.49	7.80	11.2	15.9	22.5	30.8	40.1	49.6	56.8	59.2	55.5	47.0	36.9	27.3	19.2	13.5	9.39	6.47	515	338		
25	6.10	8.91	13.2	19.1	27.5	38.1	50.2	62.5	71.8	74.8	69.9	58.6	45.3	32.9	22.7	15.5	10.5	7.04	635	482		
20	5.85	8.81	13.5	21.2	32.8	49.8	75.8	112	150	176	176	146	102	64.5	40.5	25.2	16.3	9.98	1227	1111		
15	6.12	9.44	14.8	24.0	37.8	58.9	92.0	139	191	226	227	188	130	80.5	49.7	30.2	19.3	11.5	1535	1430		
	7.68	12.5	20.6	33.3	54.6	93.5	157	239	304	334	303	225	143	78.6	43.7	25.7	15.2	9.28	2101	2002		
	8.47	14.1	23.7	38.6	64.3	113	193	295	374	407	364	265	166	87.5	46.8	27.0	15.4	9.30	2512	2417		
	6.52	10.2	16.6	27.2	44.8	75.8	137	225	314	368	357	289	196	111	60.7	34.6	20.4	12.1	2308	2211		
	6.21	9.66	15.6	25.9	42.9	72.6	136	231	332	396	391	323	222	126	68.1	38.3	22.6	13.3	2473	2379		
-15	7.13	11.2	17.9	27.9	43.4	68.7	109	166	210	216	177	117	72.0	46.6	30.7	19.9	12.6	8.09	1362	1247		
-20	7.31	11.5	18.2	27.9	42.5	65.2	98.1	143	172	161	112	55.3	27.5	23.6	20.2	14.8	9.95	6.70	1017	868		
-25	4.92	6.79	9.58	13.5	18.9	24.8	29.7	32.6	36.7	41.8	45.4	45.6	40.3	32.2	23.8	16.9	11.5	7.88	444	223		
-30	4.07	5.06	6.31	7.78	8.95	6.92	2.60	0.15	0.00	0.00	1.18	7.99	18.8	21.8	19.0	14.7	10.5	7.52	144	0.00		
-35	4.58	5.97	7.80	10.0	12.6	15.7	18.0	19.5	19.5	18.6	17.5	16.2	14.4	12.1	9.96	7.91	6.25	4.80	222	0.00		
-40	4.27	5.30	6.43	7.45	8.14	8.43	6.58	3.75	1.58	0.67	0.59	0.93	1.74	2.53	3.44	3.84	3.94	3.49	73.1	0.00		
-45	3.45	4.11	4.80	5.52	6.23	6.90	7.66	8.35	8.99	9.53	9.61	9.32	8.72	7.93	6.97	6.00	5.07	4.21	123	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)				10	15	20	25	30	35	40	45		
Φ t	101	148	221	331	500	769	1201	1783	2303	2552	2370	1853	1274	797	499	321	210	138	18884			
Φ a	0.00	0.00	0.00	72.9	341	636	1099	1683	2205	2453	2269	1750	1154	628	323	94.7	0.00	0.00		14136		

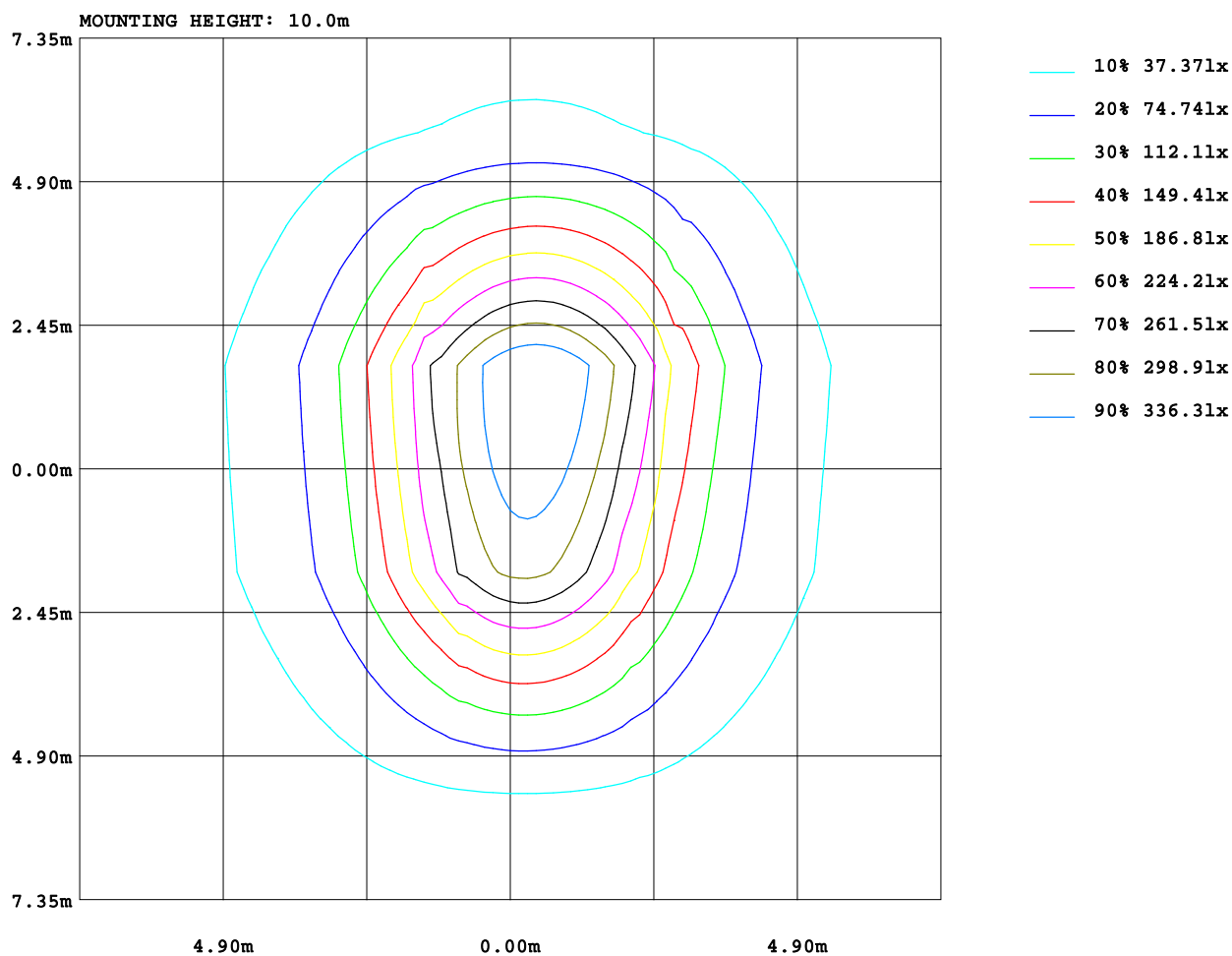
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月31日

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.:



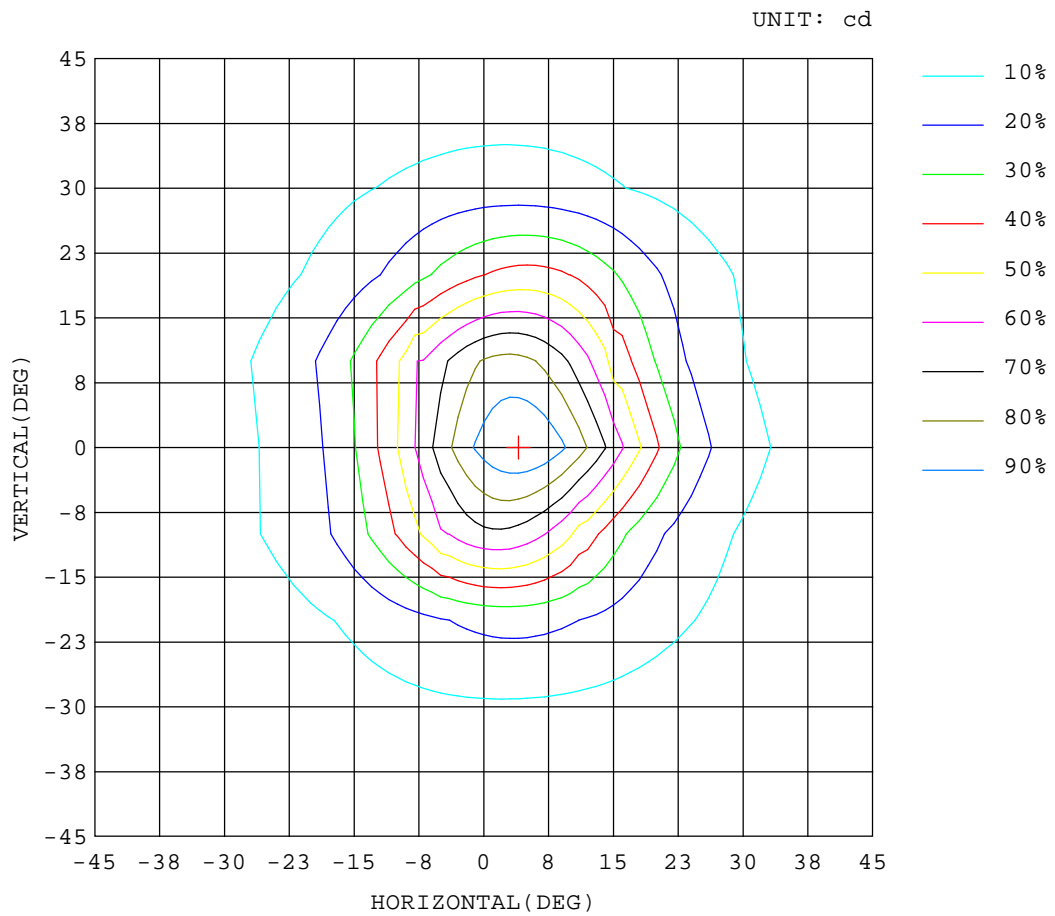
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月31日

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.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	4662	4185	3851	3591	3714	3746	4138	4436	0- 5	1010	1010
10.0	3985	3393	3152	2534	2601	2942	3726	3973	5- 10	2582	3592
15.0	2873	2373	2111	1613	1564	1971	2830	3221	10- 15	3252	6844
20.0	1739	1431	1070	950.6	901.9	1212	1934	2144	15- 20	2984	9827
25.0	984.5	804.4	739.7	568.1	564.6	741.4	1299	1284	20- 25	2317	12144
30.0	582.8	495.2	409.6	365.7	360.3	477.3	664.7	756.8	25- 30	1714	13858
35.0	361.3	319.9	295.6	240.2	233.2	307.9	464.9	453.3	30- 35	1213	15071
40.0	234.5	203.0	181.5	159.0	153.1	201.1	265.2	273.7	35- 40	890.5	15962
45.0	151.5	144.4	140.0	116.7	107.3	141.3	196.5	185.4	40- 45	648.0	16610
50.0	106.5	101.3	98.46	87.64	80.20	101.1	127.9	123.7	45- 50	499.1	17109
55.0	78.29	81.73	79.82	72.53	64.67	80.93	101.8	95.42	50- 55	396.3	17505
60.0	62.88	66.12	61.17	59.33	52.46	66.02	75.84	74.29	55- 60	332.1	17838
65.0	48.35	52.70	47.10	48.34	42.11	54.10	59.17	59.46	60- 65	278.8	18117
70.0	38.87	41.15	33.04	39.32	34.87	43.23	42.51	46.44	65- 70	231.7	18348
75.0	32.40	32.58	28.57	32.27	28.42	33.60	33.11	35.48	70- 75	191.2	18540
80.0	29.65	30.69	24.10	27.55	21.49	28.11	23.72	31.36	75- 80	163.1	18703
85.0	23.09	21.60	13.59	17.54	1.686	17.81	13.54	21.31	80- 85	129.2	18832
90.0	0.309	1.631	3.087	0.276	0.684	0.562	3.362	1.069	85- 90	52.33	18884
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	

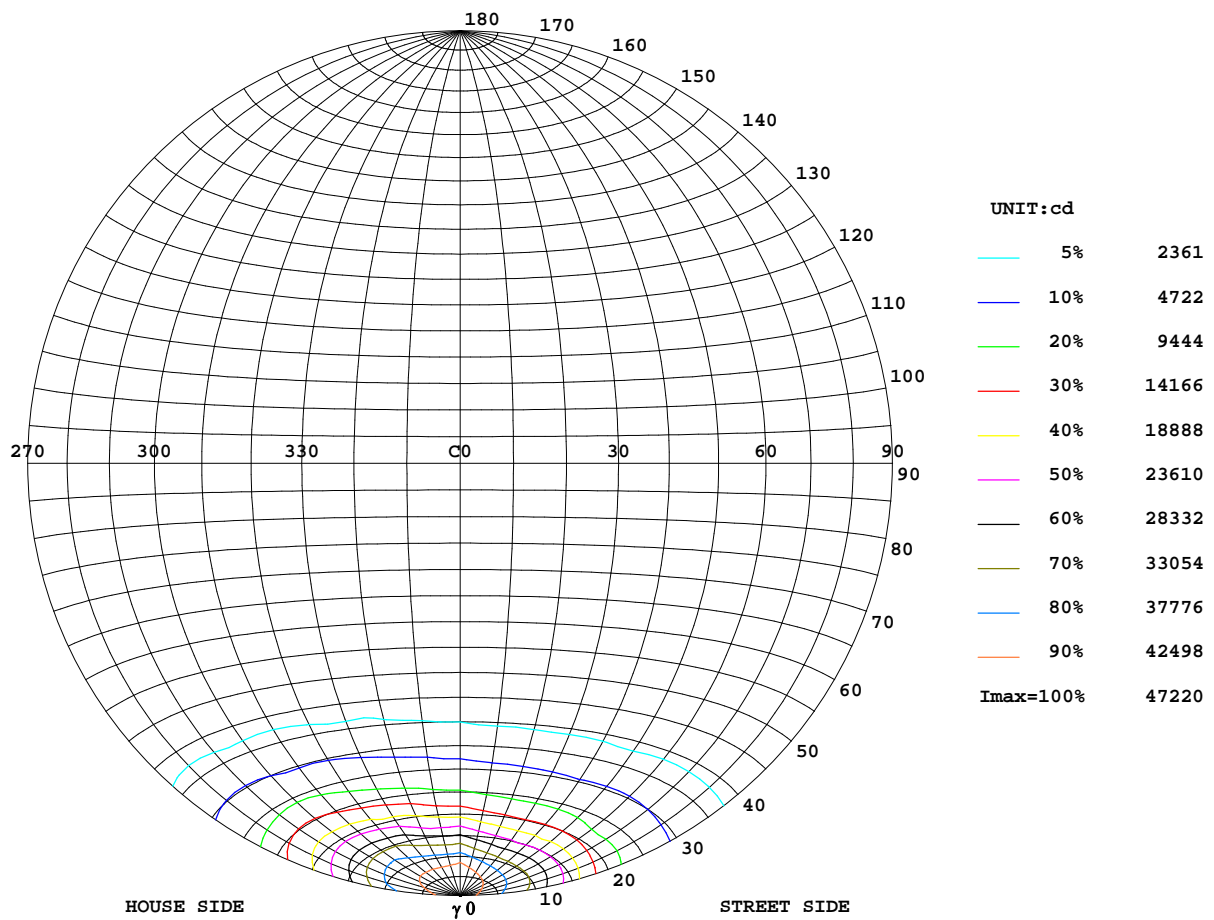
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月31日

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

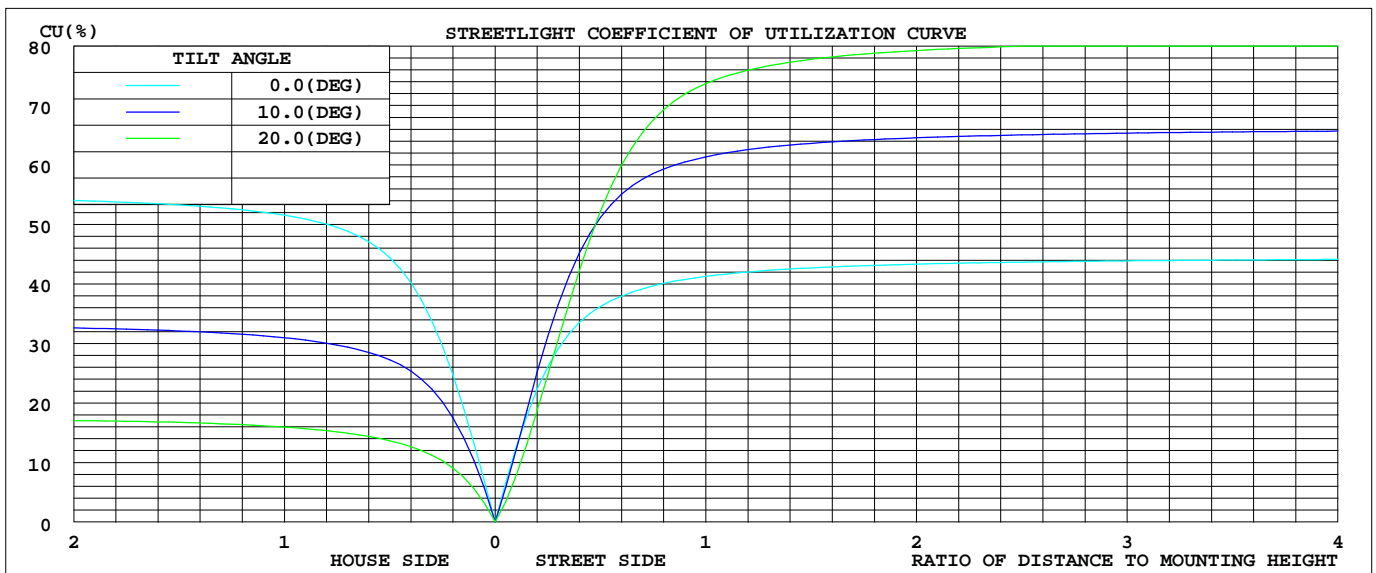
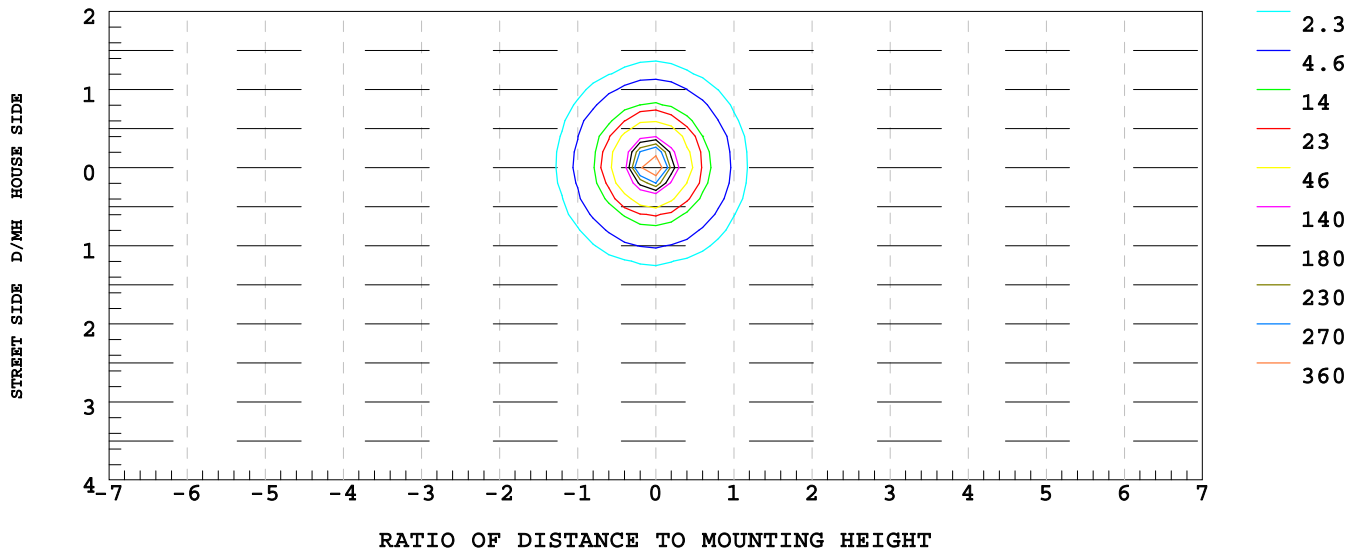
Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m,Enadir = 455.11 lx



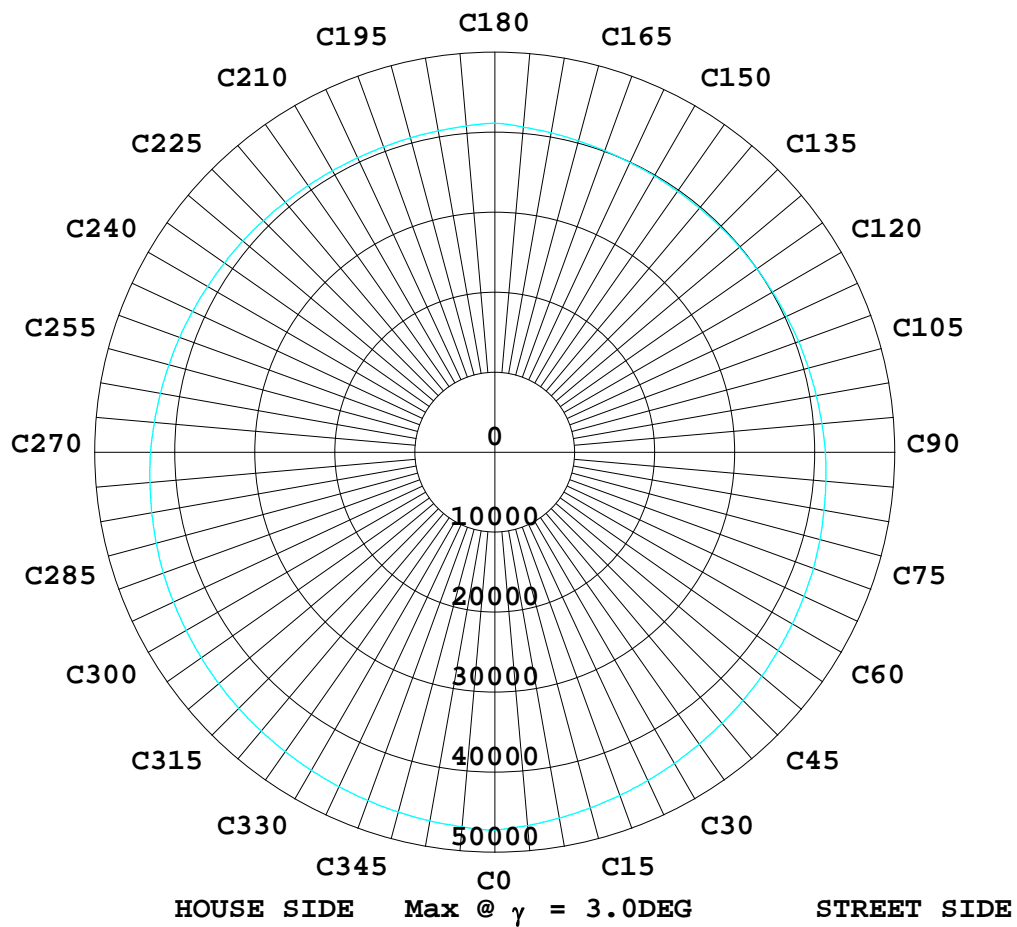
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月31日

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

Report number:

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



Test System:HOP00 HPG1900
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