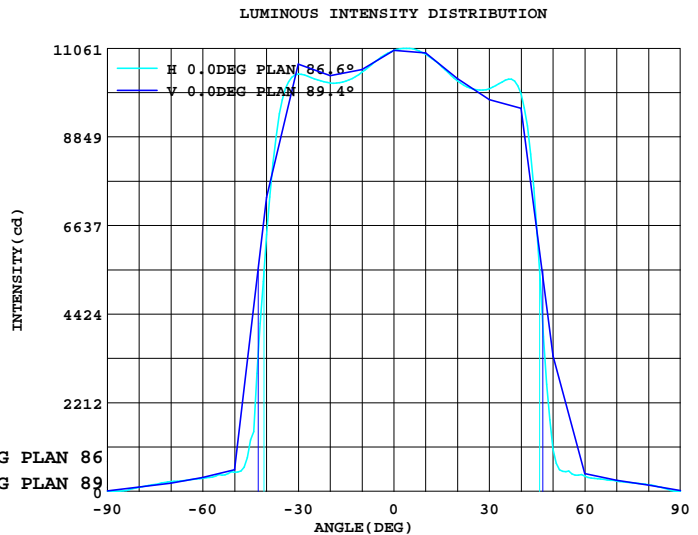
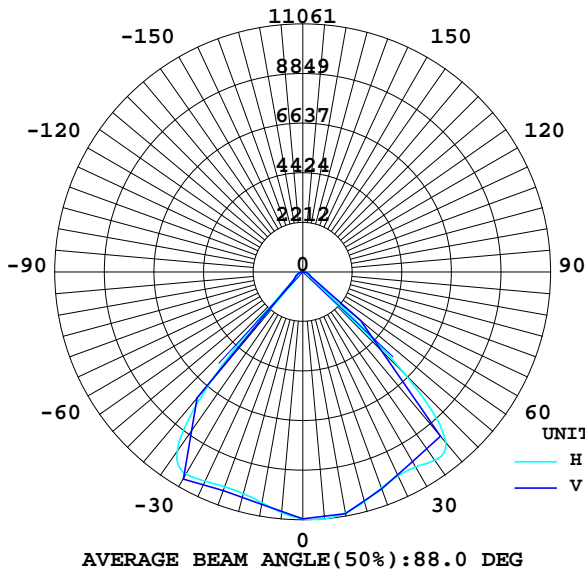


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

MODEL:					
NOMINAL POWER(W):	148	Imax(cd):	11061	Voltage(V)	219.6
RATED VOLTAGE(V):	220	AVAILABILITY(%):	94.6	Current(A)	0.689
NOMINAL FLUX(lm):	19563	Avai. FLUX(lm):	18501	Power(W)	145.8
TEST FLUX(lm):	19563	EFFICIENCY(%):	100.0	Power Factor(PF)	0.963
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	19563	EFFICIENCY(lm/W)	134.1
Effective Flux(lm) :	18500.7	θ @50%(H, V):	86.6,89.5DEG	EEL:	0.107



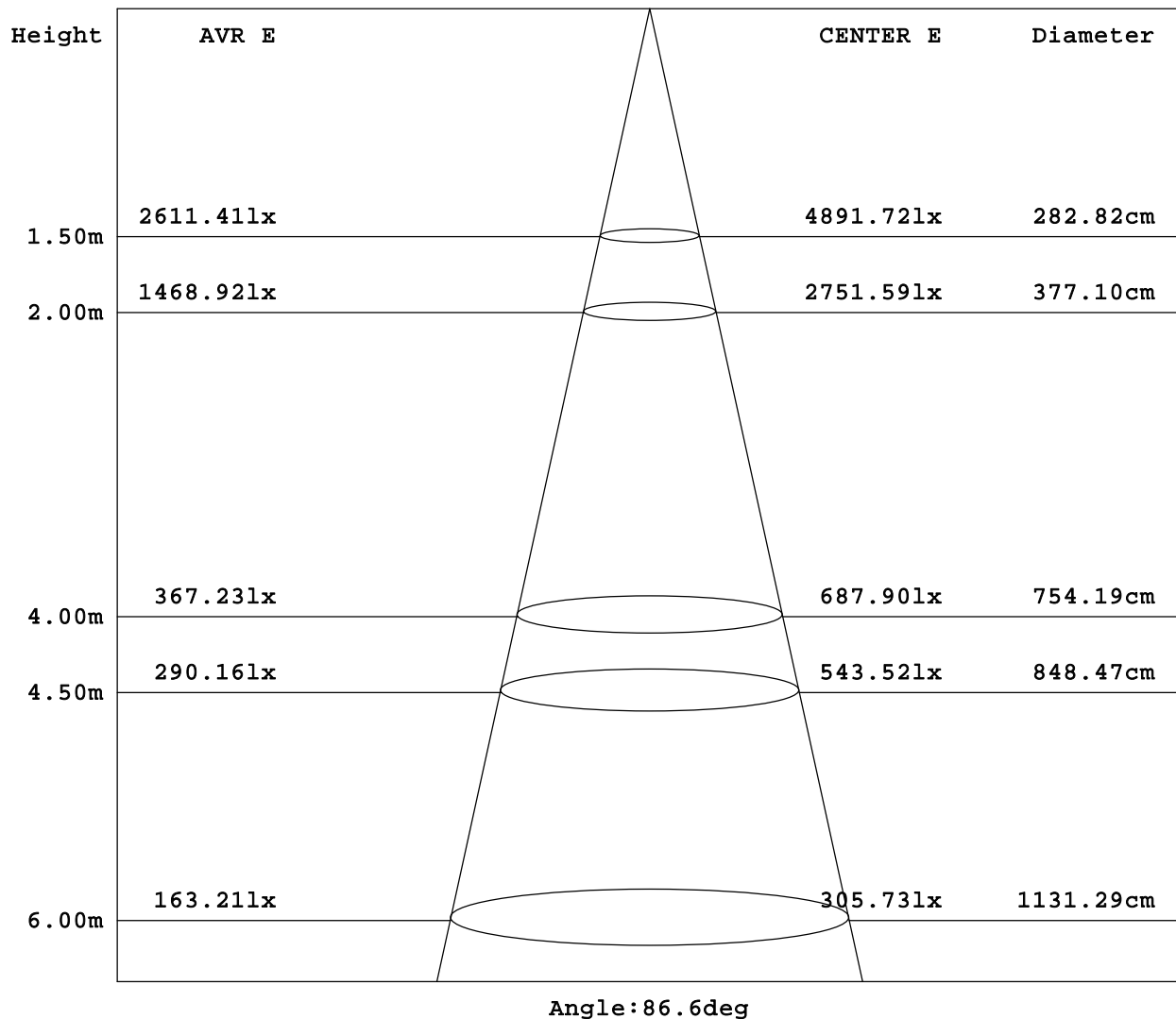
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月31日

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				
	0.00	0.01	0.01	0.02	0.07	0.24	0.41	0.50	0.51	0.53	0.56	0.46	0.27	0.09	0.02	0.01	0.00	0.00	3.71	0.00						
90																										
80	0.01	0.19	1.04	2.52	4.31	6.09	7.10	7.31	6.82	6.78	7.09	7.04	6.24	4.92	3.38	1.60	0.44	0.02	72.9	0.00						
70	0.01	0.54	1.93	4.10	6.16	7.50	9.08	9.91	10.1	10.2	9.91	9.05	7.41	5.86	4.35	2.69	0.98	0.10	100	0.00						
60	0.05	0.84	2.74	5.00	6.62	8.63	11.0	14.1	16.0	15.9	15.5	12.0	9.45	6.93	4.82	2.92	1.27	0.13	134	0.00						
50	0.05	0.99	3.10	5.07	7.19	11.2	15.2	42.0	120	144	79.8	21.2	12.7	8.85	5.66	3.30	1.53	0.21	482	380						
40	0.09	1.24	3.41	5.58	9.16	22.0	212	370	387	386	387	312	83.6	10.5	6.16	3.50	1.55	0.22	2201	2143						
30	0.09	1.26	3.38	6.02	10.5	167	317	307	303	298	291	302	272	40.2	7.46	3.89	1.73	0.29	2331	2288						
	0.13	1.45	3.62	6.72	30.3	241	286	296	316	319	297	270	268	119	8.15	3.88	1.66	0.28	2470	2432						
	0.10	1.35	3.48	6.80	52.4	242	283	303	333	342	314	276	255	138	9.05	4.16	1.79	0.32	2564	2531						
	0.13	1.47	3.68	7.17	47.7	237	286	302	327	336	314	280	255	138	8.80	3.94	1.69	0.28	2549	2516						
	0.09	1.31	3.44	6.44	30.0	211	291	303	310	313	301	283	255	94.0	7.93	4.01	1.78	0.31	2415	2380						
-30	0.10	1.34	3.56	6.19	6.84	122	286	313	315	312	304	291	222	31.2	6.50	3.62	1.62	0.24	2225	2190						
-40	0.06	1.07	3.24	5.22	7.08	11.6	174	301	327	327	312	252	71.7	4.23	6.02	3.57	1.63	0.23	1809	1773						
-50	0.06	0.99	3.13	5.14	7.29	4.73	2.39	45.5	145	171	105	16.7	1.32	6.48	5.02	3.14	1.37	0.15	525	477						
-60	0.01	0.65	2.43	4.63	5.84	7.62	6.00	1.05	0.72	0.61	0.76	1.60	8.08	6.38	4.72	2.93	1.23	0.12	55.4	0.00						
-70	0.02	0.46	1.66	3.95	5.65	6.40	7.11	7.20	7.18	7.82	7.36	7.36	6.23	5.12	3.86	2.31	0.76	0.04	80.5	0.00						
-80	0.00	0.11	0.64	1.68	3.59	5.10	5.87	5.94	4.65	4.00	4.82	5.52	4.83	4.07	2.77	1.39	0.33	0.02	55.3	0.00						
-90	0.01	0.00	0.08	0.28	0.53	0.90	1.51	1.60	1.64	1.65	1.68	1.67	1.51	1.06	0.51	0.12	0.01	0.00	14.7	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	1.00	15.3	44.6	82.6	242	1312	2199	2630	2931	2994	2753	2348	1741	626	95.2	51.0	21.4	2.94	19563							
Φ a	0.00	0.00	0.00	0.00	134	1238	2133	2570	2883	2946	2704	2283	1677	544	0.00	0.00	0.00	0.00		18501						

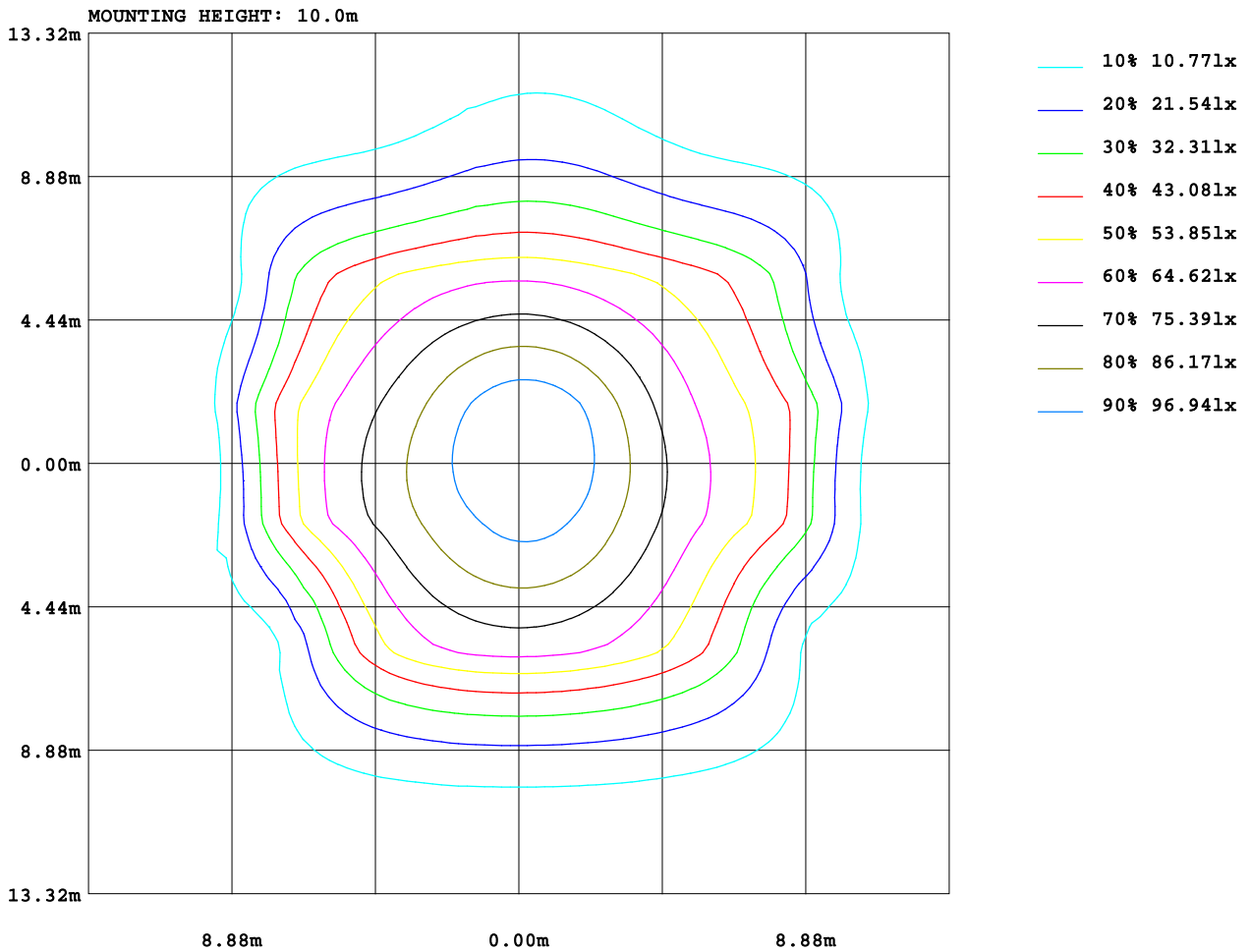
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月31日

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.:



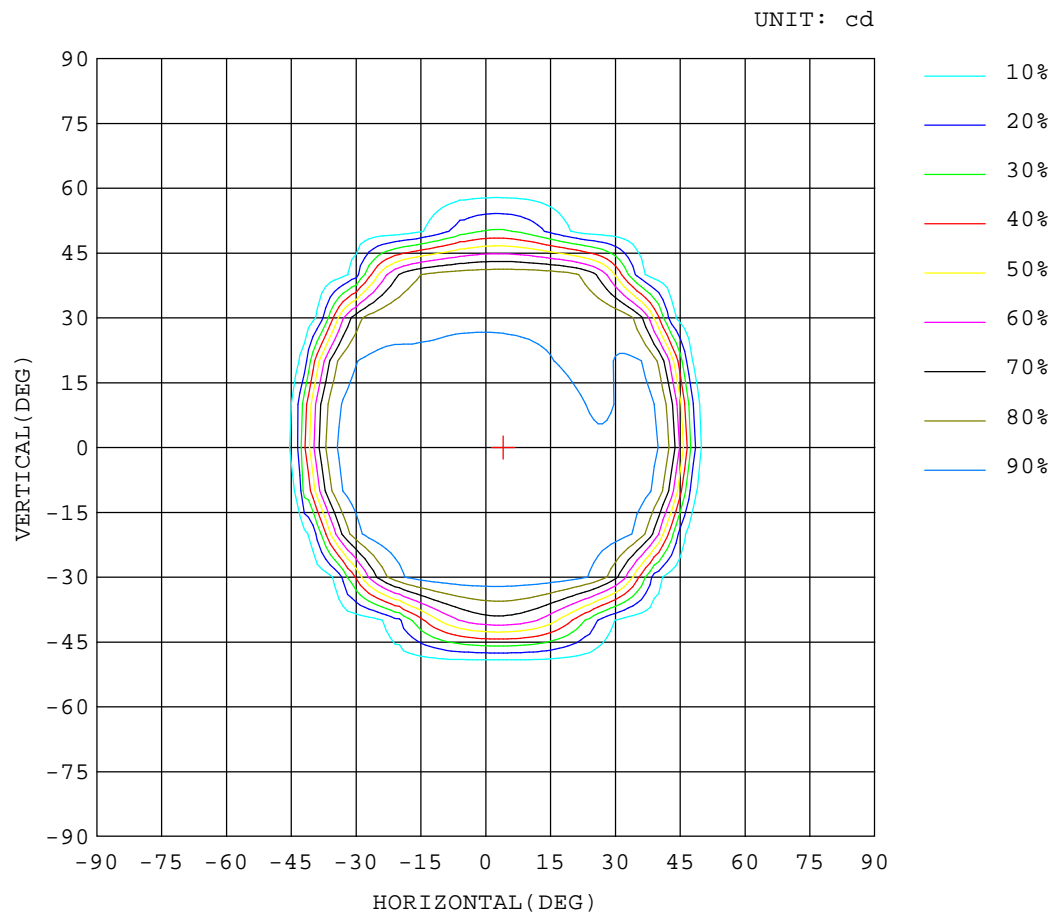
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月31日

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	1106	1089	1077	1072	1078	1085	1098	1103	0- 5	261.2	261.2
10.0	1091	1069	1053	1044	1046	1063	1095	1095	5- 10	771.0	1032
15.0	1060	1048	1045	1030	1024	1039	1063	1072	10- 15	1254	2287
20.0	1025	1037	1038	1037	1019	1013	1030	1030	15- 20	1709	3996
25.0	1004	1034	1052	1052	1030	1002	1004	996.1	20- 25	2148	6144
30.0	1005	1036	1067	1037	1042	998.9	977.8	981.2	25- 30	2584	8728
35.0	1026	1009	900.4	917.4	977.3	980.2	966.9	986.1	30- 35	2952	11680
40.0	992.7	867.2	734.0	629.8	640.7	888.0	955.9	973.6	35- 40	3011	14691
45.0	644.1	437.2	393.9	242.5	127.8	482.4	647.0	746.7	40- 45	2397	17088
50.0	104.4	66.84	53.89	48.67	47.36	86.23	338.0	342.5	45- 50	1209	18297
55.0	50.40	47.93	44.43	40.76	41.67	48.56	191.0	108.1	50- 55	417.7	18714
60.0	37.81	38.79	34.97	32.56	32.50	38.37	44.06	42.00	55- 60	226.5	18941
65.0	30.50	31.52	27.79	29.41	27.39	31.46	35.80	36.33	60- 65	167.6	19108
70.0	25.26	26.40	20.61	26.24	24.23	27.94	27.54	28.68	65- 70	147.1	19256
75.0	21.47	22.50	15.55	21.72	17.26	24.54	21.39	24.10	70- 75	126.3	19382
80.0	16.76	15.15	10.48	13.14	9.702	17.77	15.25	18.69	75- 80	98.16	19480
85.0	7.717	7.647	5.898	5.634	0.893	9.564	8.505	11.00	80- 85	61.46	19542
90.0	0.265	0.595	1.311	0.209	0.573	0.320	1.752	0.408	85- 90	21.06	19563
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	

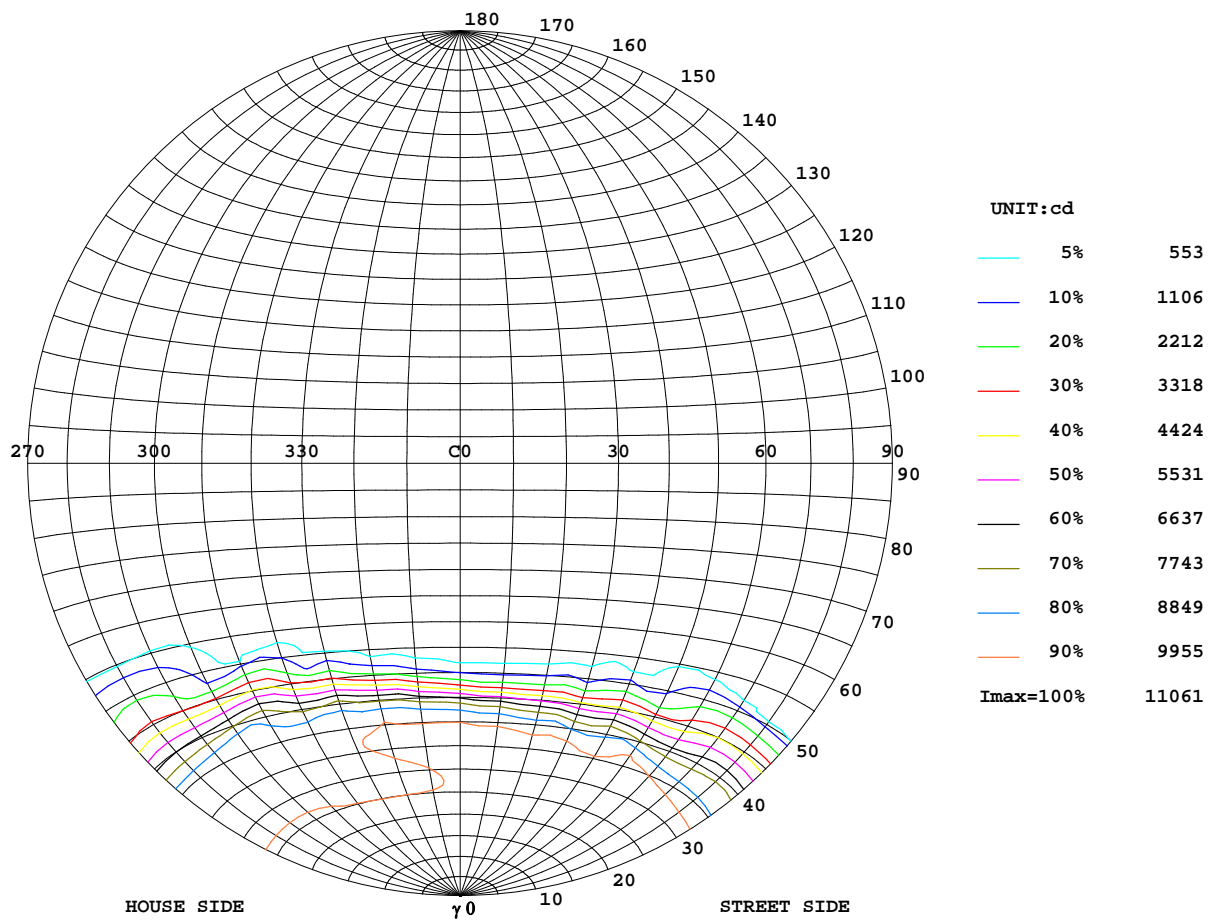
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月31日

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

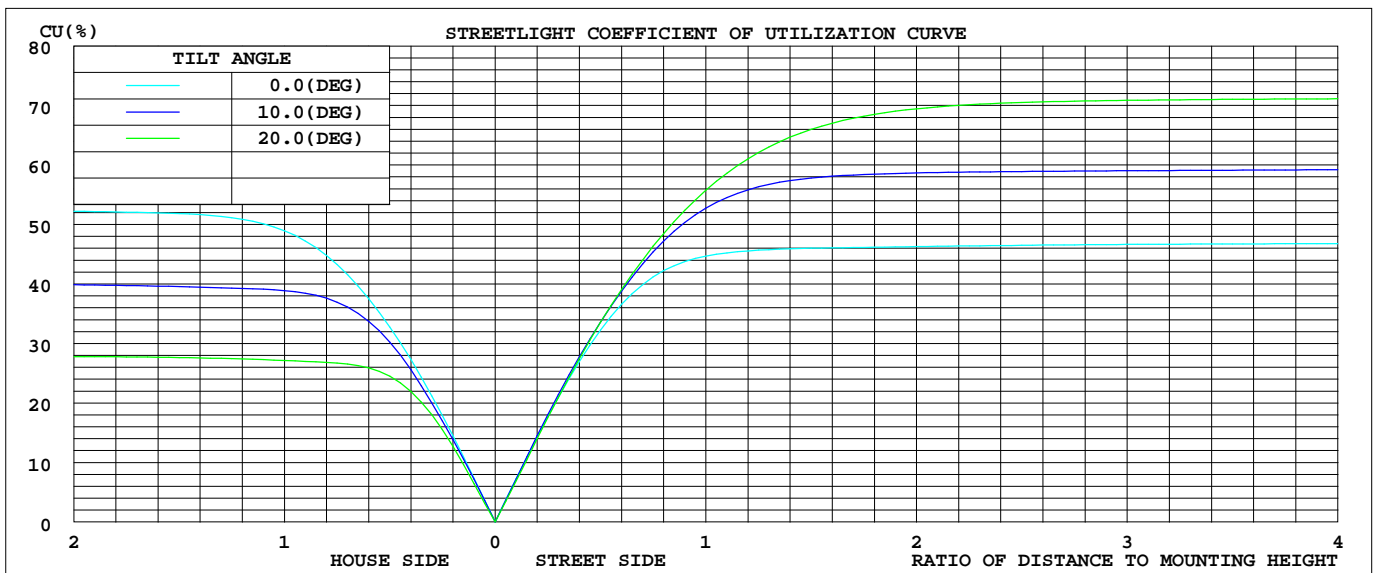
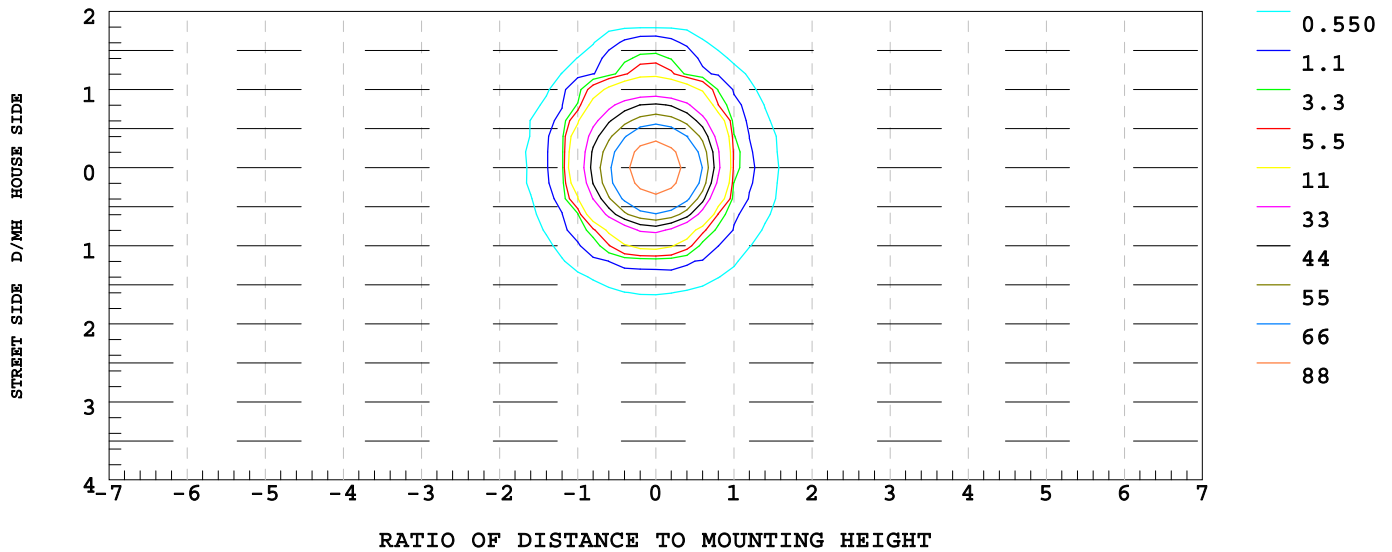
Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.500 m
Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 110.06 lx



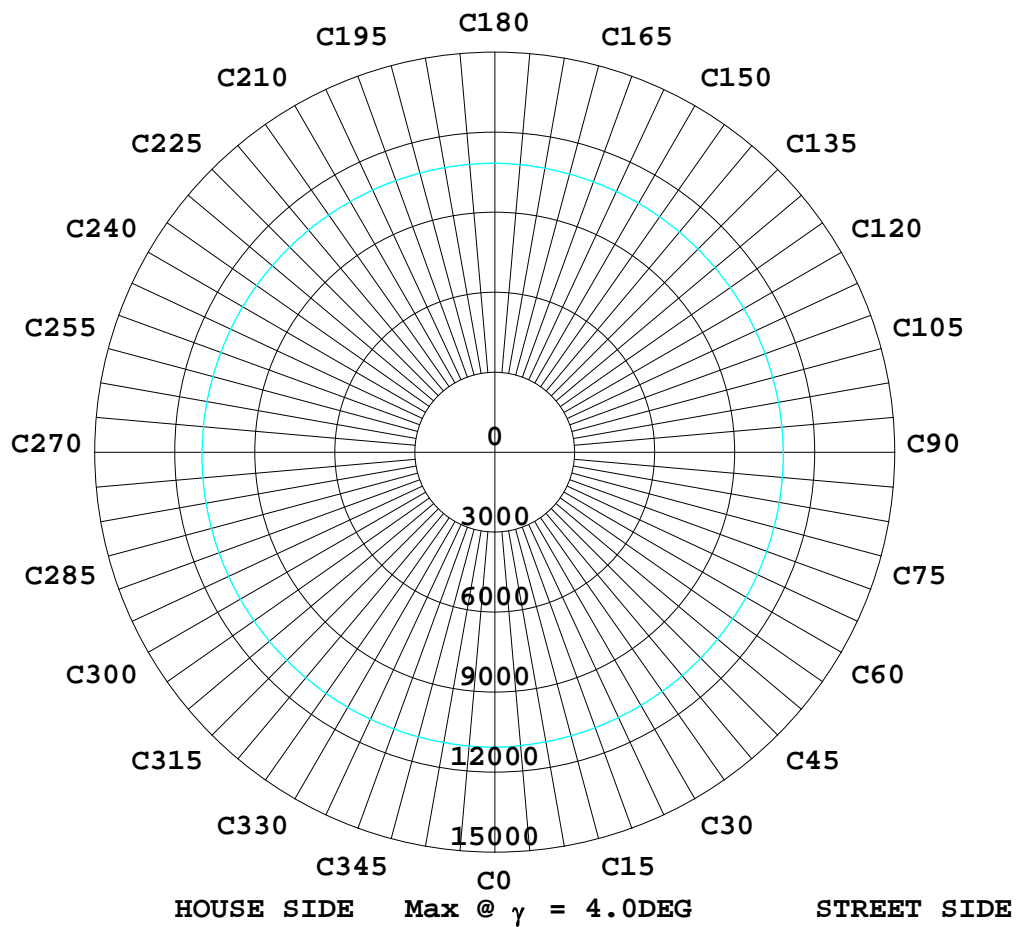
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月31日

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)
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