

LAMP PHOTOMETRIC REPORT

MODEL:

POWER: 198W

VOLTAGE: 220V

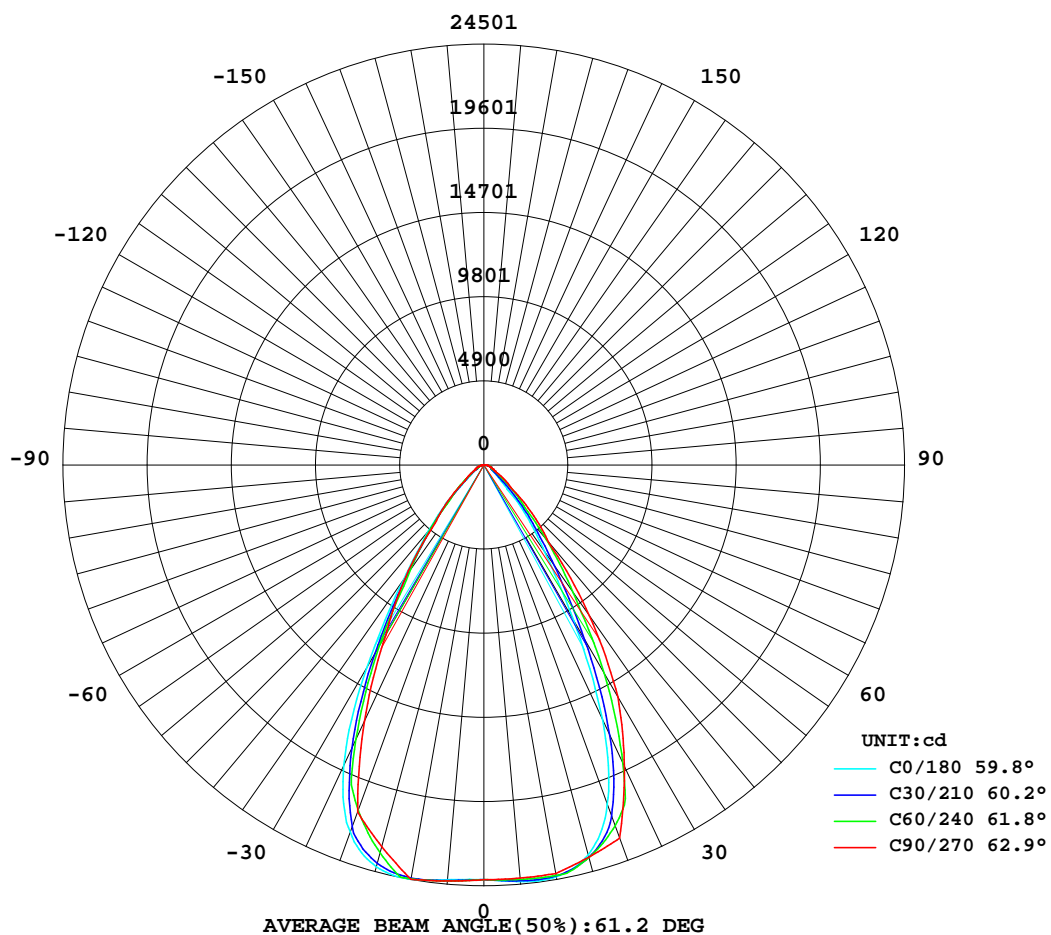
WORKING VOLTAGE: 219.4V

MANUFACTURER: LI TIAN

TOTAL FLUX: 26277 lm

Efficiency: 134.89 lm/W

Test: U: 219.5V I: 0.909A P: 194.8W PF: 0.976



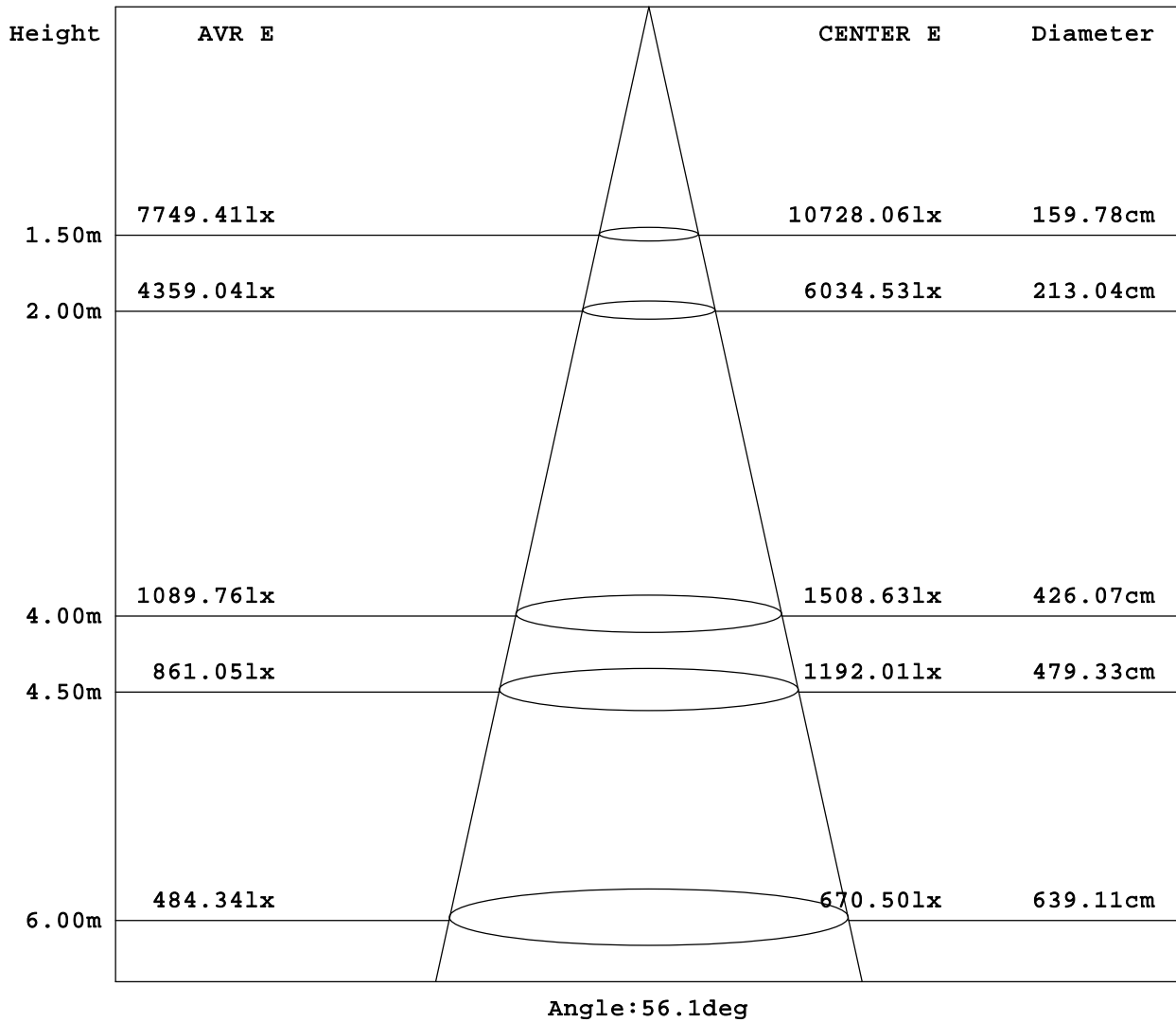
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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26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			
	1.46	2.93	4.48	5.70	6.87	7.81	8.21	8.06	8.66	9.26	7.95	7.83	7.43	6.32	5.01	3.81	2.58	1.39	106	0.00					
64	1.82	3.67	5.37	6.62	7.72	8.90	9.79	10.6	12.2	14.3	11.4	10.1	8.88	7.51	6.04	4.69	3.26	1.86	135	0.00					
56	2.14	4.08	5.56	7.09	9.37	12.5	15.9	19.5	22.6	25.8	20.9	16.8	12.9	9.55	6.95	5.35	3.81	2.30	204	0.00					
48	2.83	4.48	5.67	8.09	16.6	26.5	35.2	45.5	54.9	54.7	47.0	36.4	26.2	16.3	8.35	5.41	3.93	2.27	401	143					
40	2.64	4.35	5.97	11.2	22.8	43.1	75.3	110	135	143	128	96.7	61.9	33.7	16.1	6.99	4.18	2.66	904	784					
32	3.00	4.51	7.91	17.8	45.6	90.8	163	250	306	309	257	171	98.9	51.1	20.4	7.87	4.28	2.68	1812	1726					
24	3.16	4.60	9.05	22.1	63.7	136	262	392	458	462	408	300	173	82.8	33.5	10.6	4.70	2.77	2826	2756					
VERTICAL (DEG)	3.13	4.76	9.60	26.2	77.2	180	355	484	526	533	521	438	260	117	49.4	14.0	5.24	2.96	3608	3545					
	3.49	5.47	13.2	44.6	114	274	443	493	488	483	474	410	249	105	36.5	11.4	4.71	2.90	3655	3591					
	3.22	5.18	9.99	25.7	79.4	195	364	455	474	470	471	438	321	148	59.4	16.8	6.80	3.57	3545	3483					
	3.15	4.82	10.5	33.1	87.3	201	357	447	475	475	456	382	234	103	39.4	12.2	5.11	2.99	3329	3267					
	3.02	4.52	9.18	27.9	71.1	151	271	378	433	442	405	302	154	68.7	26.8	9.50	4.19	2.65	2763	2696					
	2.87	4.42	6.07	9.86	31.3	52.8	119	236	316	330	287	198	111	58.7	26.7	9.77	4.66	2.74	1807	1712					
	2.89	4.36	6.58	13.4	27.8	48.1	59.1	78.3	103	95.9	57.5	28.7	20.3	13.0	6.01	4.82	3.73	2.40	576	426					
	2.35	4.25	5.18	6.15	8.90	12.6	19.4	26.0	31.4	34.4	32.9	29.7	21.0	15.5	10.1	5.40	3.94	2.40	272	92.8					
	2.24	4.04	5.15	5.37	6.07	7.86	8.62	8.30	8.80	7.99	6.82	7.18	7.80	7.11	5.77	4.79	3.54	1.99	110	0.00					
	1.79	3.47	4.94	5.57	5.47	4.83	3.42	3.08	3.27	4.04	3.14	3.13	3.56	3.74	4.03	4.29	3.04	1.64	66.5	0.00					
1.03	2.49	4.06	5.23	5.06	3.81	2.58	2.04	2.16	2.75	2.12	2.55	3.41	4.55	4.87	3.60	2.39	1.35	56.1	0.00						
-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)										16	24	32	40	48	56	64	72
Φ t	46.3	76.4	129	282	686	1457	2572	3446	3857	3898	3595	2878	1773	852	366	142	74.1	43.6	26277						
Φ a	0.00	0.00	0.00	87.7	536	1330	2460	3350	3776	3811	3502	2769	1669	733	198	0.00	0.00	0.00		23898					

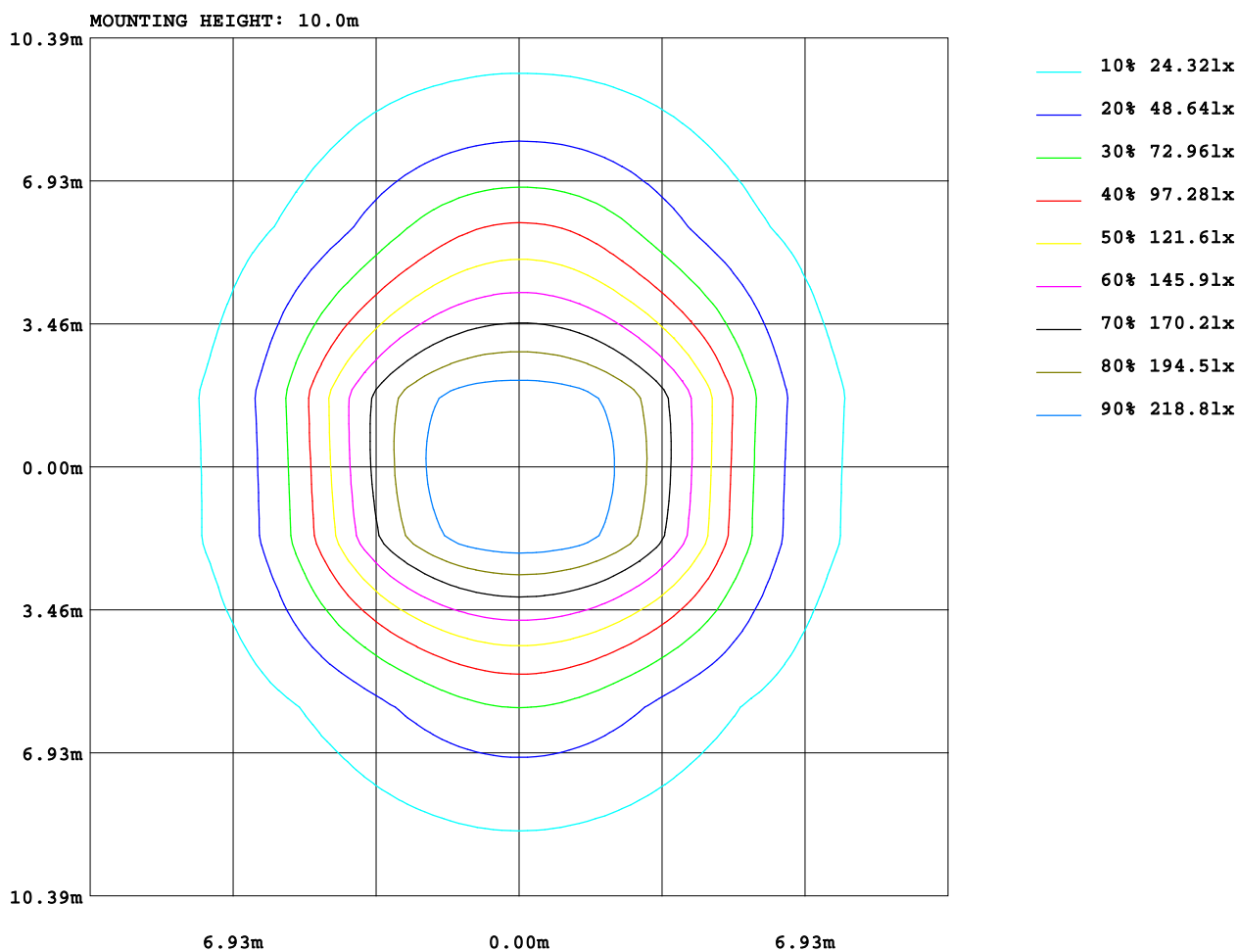
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月26日

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.:



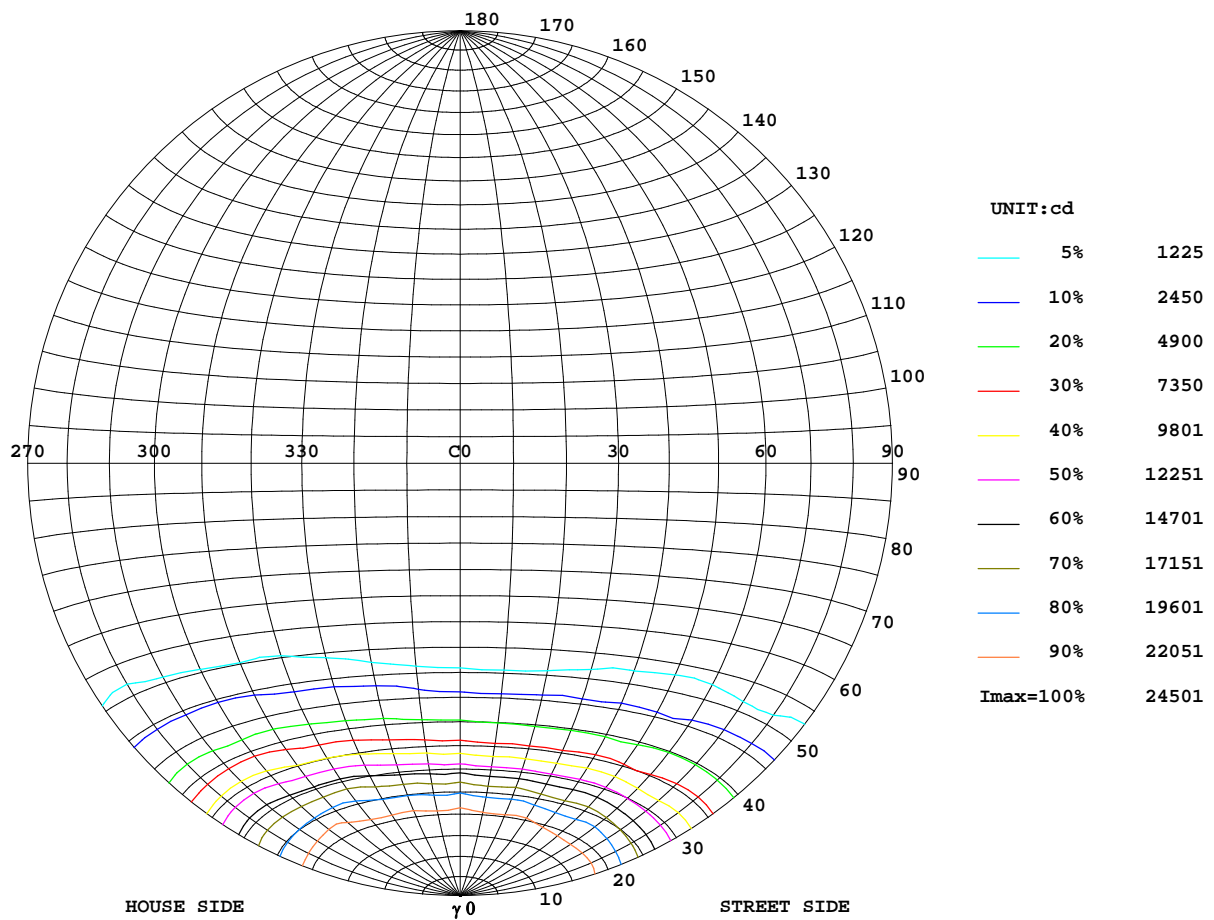
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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

ISOCANDELA DIAGRAM

Report number:

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



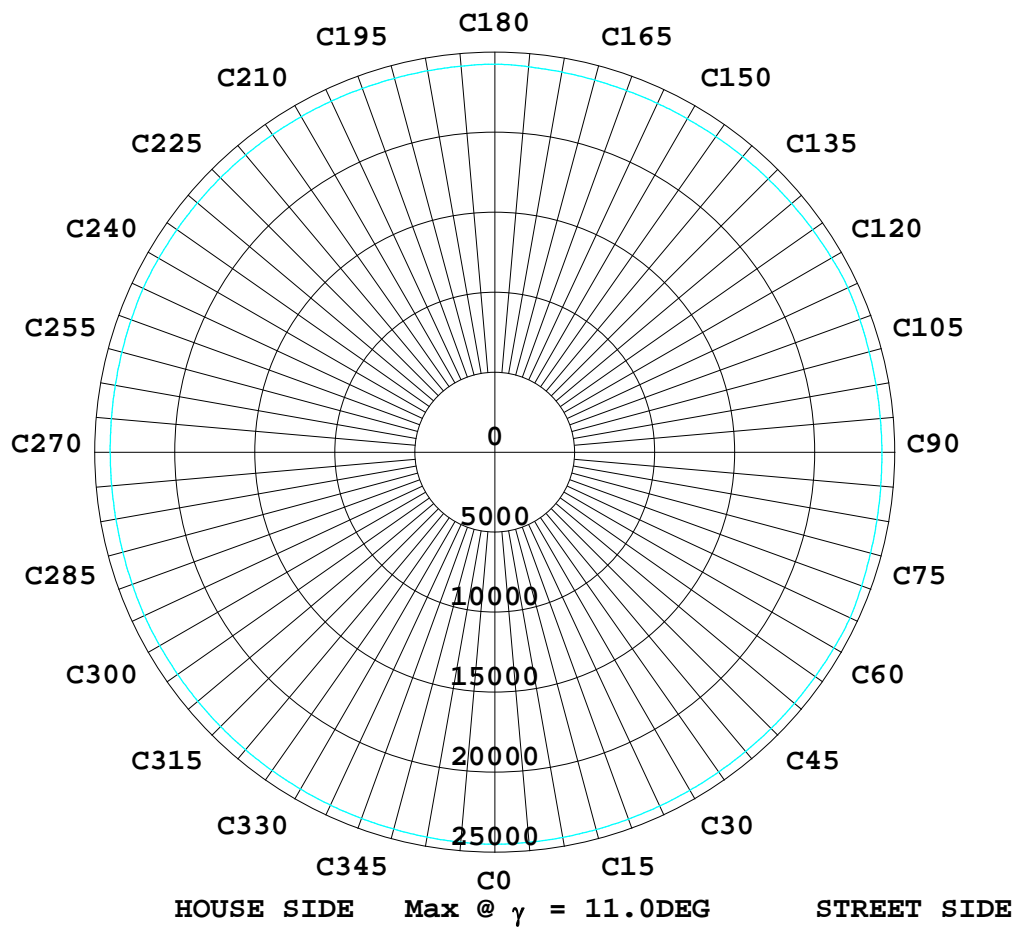
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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

ISOCANDELA DIAGRAM

Report number:

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NAME: LT-T-115A	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	0.24	0.26	0.30	0.31	0.30	0.29	0.29	0.29	0.36	1.11	2.10	3.16	4.01	4.54	5.03
-85.0	0.24	0.26	0.30	0.31	0.30	0.29	0.29	0.29	0.36	1.11	2.10	3.16	4.01	4.54	5.03
-80.0	0.31	0.36	0.44	3.40	7.41	9.71	11.1	12.5	13.4	14.7	16.4	17.6	18.6	20.0	21.2
-75.0	0.31	0.36	0.44	3.40	7.41	9.71	11.1	12.5	13.4	14.7	16.4	17.6	18.6	20.0	21.2
-70.0	0.20	0.21	5.66	9.73	13.4	17.2	22.2	26.5	29.5	32.1	33.7	35.6	37.6	38.8	37.9
-65.0	0.20	0.21	5.66	9.73	13.4	17.2	22.2	26.5	29.5	32.1	33.7	35.6	37.6	38.8	37.9
-60.0	0.51	0.65	6.41	13.8	17.9	26.0	32.9	38.4	40.8	42.8	44.5	44.9	45.2	45.9	46.3
-55.0	0.51	0.65	6.41	13.8	17.9	26.0	32.9	38.4	40.8	42.8	44.5	44.9	45.2	45.9	46.3
-50.0	0.24	2.39	12.6	18.7	27.8	37.0	41.7	44.4	45.8	47.6	53.6	66.7	80.3	94.9	108
-45.0	0.24	2.39	12.6	18.7	27.8	37.0	41.7	44.4	45.8	47.6	53.6	66.7	80.3	94.9	108
-40.0	0.61	1.06	11.7	20.4	29.7	40.0	44.3	46.6	48.6	58.3	80.6	116	153	199	259
-35.0	0.61	1.06	11.7	20.4	29.7	40.0	44.3	46.6	48.6	58.3	80.6	116	153	199	259
-30.0	0.28	3.20	16.3	28.0	37.8	43.1	45.7	49.2	65.2	96.8	163	256	368	498	648
-25.0	0.28	3.20	16.3	28.0	37.8	43.1	45.7	49.2	65.2	96.8	163	256	368	498	648
-20.0	0.65	1.37	15.8	26.0	38.0	44.2	46.9	52.5	74.0	116	203	372	554	812	1198
-15.0	0.65	1.37	15.8	26.0	38.0	44.2	46.9	52.5	74.0	116	203	372	554	812	1198
-10.0	0.29	2.34	18.7	31.3	41.1	45.5	47.0	66.3	106	201	385	607	980	1506	1974
-5.0	0.29	2.34	18.7	31.3	41.1	45.5	47.0	66.3	106	201	385	607	980	1506	1974
0.0	0.68	1.46	16.5	27.9	41.2	48.7	51.9	66.4	99.7	165	344	569	947	1510	2032
5.0	0.68	1.46	16.5	27.9	41.2	48.7	51.9	66.4	99.7	165	344	569	947	1510	2032
10.0	0.29	3.56	18.7	32.0	42.6	48.5	50.1	71.5	111	203	397	630	1054	1618	2079
15.0	0.29	3.56	18.7	32.0	42.6	48.5	50.1	71.5	111	203	397	630	1054	1618	2079
20.0	0.66	1.60	15.9	26.4	39.2	44.6	46.2	54.2	81.1	124	239	413	629	983	1466
25.0	0.66	1.60	15.9	26.4	39.2	44.6	46.2	54.2	81.1	124	239	413	629	983	1466
30.0	0.29	3.96	16.8	28.1	38.4	43.5	45.3	52.4	74.3	108	185	305	445	617	852
35.0	0.29	3.96	16.8	28.1	38.4	43.5	45.3	52.4	74.3	108	185	305	445	617	852
40.0	0.63	1.03	13.5	20.8	31.0	39.8	44.2	45.7	50.6	66.7	94.4	135	185	254	334
45.0	0.63	1.03	13.5	20.8	31.0	39.8	44.2	45.7	50.6	66.7	94.4	135	185	254	334
50.0	0.30	2.82	14.0	20.5	28.8	37.7	42.1	44.7	45.3	49.7	63.7	87.7	109	125	141
55.0	0.30	2.82	14.0	20.5	28.8	37.7	42.1	44.7	45.3	49.7	63.7	87.7	109	125	141
60.0	0.54	0.68	8.02	15.5	20.2	28.4	36.2	39.8	42.4	44.2	44.5	45.9	48.6	52.0	55.3
65.0	0.54	0.68	8.02	15.5	20.2	28.4	36.2	39.8	42.4	44.2	44.5	45.9	48.6	52.0	55.3
70.0	0.25	0.25	7.47	12.2	15.5	21.3	27.1	31.9	34.8	36.2	37.7	39.4	40.3	40.6	39.7
75.0	0.25	0.25	7.47	12.2	15.5	21.3	27.1	31.9	34.8	36.2	37.7	39.4	40.3	40.6	39.7
80.0	0.36	0.41	0.55	5.65	8.33	11.0	14.0	16.2	18.8	21.0	22.7	24.5	26.0	27.6	28.8
85.0	0.36	0.41	0.55	5.65	8.33	11.0	14.0	16.2	18.8	21.0	22.7	24.5	26.0	27.6	28.8
90.0	0.22	0.22	0.21	0.21	0.20	0.21	0.20	0.20	0.54	1.05	1.62	2.40	3.14	3.75	4.29

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月26日

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: ×10cd

H(°) \ V(°)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	5.00	4.44	3.49	2.81	2.93	3.18	3.68	3.31	2.80	2.28	1.76	1.25	0.60	0.32	0.29
-85.0	5.00	4.44	3.49	2.81	2.93	3.18	3.68	3.31	2.80	2.28	1.76	1.25	0.60	0.32	0.29
-80.0	19.8	17.7	16.8	16.4	16.4	16.7	17.5	19.1	18.6	17.1	15.9	14.8	13.9	12.7	10.9
-75.0	19.8	17.7	16.8	16.4	16.4	16.7	17.5	19.1	18.6	17.1	15.9	14.8	13.9	12.7	10.9
-70.0	35.5	35.1	37.0	41.1	36.7	35.1	35.7	37.5	37.6	35.4	32.5	29.8	27.5	25.6	22.5
-65.0	35.5	35.1	37.0	41.1	36.7	35.1	35.7	37.5	37.6	35.4	32.5	29.8	27.5	25.6	22.5
-60.0	47.0	48.7	49.1	62.1	54.9	48.3	47.2	46.6	46.0	45.4	43.7	42.7	41.0	37.8	34.0
-55.0	47.0	48.7	49.1	62.1	54.9	48.3	47.2	46.6	46.0	45.4	43.7	42.7	41.0	37.8	34.0
-50.0	120	129	142	145	139	127	118	109	98.4	84.4	68.9	52.6	45.4	42.8	40.7
-45.0	120	129	142	145	139	127	118	109	98.4	84.4	68.9	52.6	45.4	42.8	40.7
-40.0	320	373	418	441	439	405	359	305	241	186	144	111	76.0	53.0	43.5
-35.0	320	373	418	441	439	405	359	305	241	186	144	111	76.0	53.0	43.5
-30.0	823	985	1102	1144	1106	993	830	659	503	366	254	162	100	67.2	48.0
-25.0	823	985	1102	1144	1106	993	830	659	503	366	254	162	100	67.2	48.0
-20.0	1584	1885	2068	2145	2145	2064	1888	1583	1180	797	532	346	200	106	69.2
-15.0	1584	1885	2068	2145	2145	2064	1888	1583	1180	797	532	346	200	106	69.2
-10.0	2260	2392	2438	2449	2447	2418	2304	2049	1587	1040	638	399	197	110	69.2
-5.0	2260	2392	2438	2449	2447	2418	2304	2049	1587	1040	638	399	197	110	69.2
0.0	2314	2426	2438	2417	2420	2446	2434	2320	2019	1491	920	551	329	151	91.8
5.0	2314	2426	2438	2417	2420	2446	2434	2320	2019	1491	920	551	329	151	91.8
10.0	2326	2415	2425	2414	2419	2411	2325	2102	1666	1103	678	423	194	114	69.7
15.0	2326	2415	2425	2414	2419	2411	2325	2102	1666	1103	678	423	194	114	69.7
20.0	1877	2136	2263	2309	2307	2255	2118	1843	1417	957	624	406	243	116	71.3
25.0	1877	2136	2263	2309	2307	2255	2118	1843	1417	957	624	406	243	116	71.3
30.0	1128	1360	1511	1565	1524	1381	1143	881	647	473	327	209	115	71.7	50.7
35.0	1128	1360	1511	1565	1524	1381	1143	881	647	473	327	209	115	71.7	50.7
40.0	415	490	549	583	584	551	495	420	336	257	187	132	87.4	58.6	46.4
45.0	415	490	549	583	584	551	495	420	336	257	187	132	87.4	58.6	46.4
50.0	160	179	200	208	207	186	167	146	126	107	86.6	63.9	49.7	43.6	40.7
55.0	160	179	200	208	207	186	167	146	126	107	86.6	63.9	49.7	43.6	40.7
60.0	58.2	61.1	63.9	75.5	81.3	65.7	62.8	57.8	53.5	49.7	46.0	43.4	41.0	39.3	36.4
65.0	58.2	61.1	63.9	75.5	81.3	65.7	62.8	57.8	53.5	49.7	46.0	43.4	41.0	39.3	36.4
70.0	38.2	37.4	39.0	48.1	40.6	38.4	37.6	38.4	38.9	38.3	36.6	34.1	31.6	29.4	26.9
75.0	38.2	37.4	39.0	48.1	40.6	38.4	37.6	38.4	38.9	38.3	36.6	34.1	31.6	29.4	26.9
80.0	27.7	24.3	22.7	22.7	22.8	22.3	22.7	24.8	25.9	24.4	22.0	19.9	18.5	17.0	15.7
85.0	27.7	24.3	22.7	22.7	22.8	22.3	22.7	24.8	25.9	24.4	22.0	19.9	18.5	17.0	15.7
90.0	4.42	4.05	3.70	3.59	3.61	3.72	3.90	4.02	3.78	3.20	2.65	1.78	1.06	0.49	0.21

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月26日

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: ×10cd

H(°) \ V(°)	60	65	70	75	80	85	90
-90.0	0.24	0.22	0.21	0.20	0.19	0.19	0.15
-85.0	0.24	0.22	0.21	0.20	0.19	0.19	0.15
-80.0	10.1	9.17	6.60	3.43	0.39	0.18	0.15
-75.0	10.1	9.17	6.60	3.43	0.39	0.18	0.15
-70.0	19.5	16.0	11.7	8.56	4.96	0.60	0.39
-65.0	19.5	16.0	11.7	8.56	4.96	0.60	0.39
-60.0	30.5	27.0	20.6	14.7	9.95	4.07	0.24
-55.0	30.5	27.0	20.6	14.7	9.95	4.07	0.24
-50.0	36.4	31.3	24.1	17.8	11.8	3.24	0.54
-45.0	36.4	31.3	24.1	17.8	11.8	3.24	0.54
-40.0	41.2	36.9	31.1	23.8	16.6	8.14	0.32
-35.0	41.2	36.9	31.1	23.8	16.6	8.14	0.32
-30.0	42.2	38.5	32.3	24.3	16.5	5.62	0.65
-25.0	42.2	38.5	32.3	24.3	16.5	5.62	0.65
-20.0	47.4	40.9	36.8	30.1	20.8	11.3	0.52
-15.0	47.4	40.9	36.8	30.1	20.8	11.3	0.52
-10.0	46.3	41.9	36.9	28.7	18.9	9.01	0.64
-5.0	46.3	41.9	36.9	28.7	18.9	9.01	0.64
0.0	61.5	49.8	43.0	32.9	22.3	12.4	0.52
5.0	61.5	49.8	43.0	32.9	22.3	12.4	0.52
10.0	46.7	41.8	37.0	29.0	19.2	10.0	0.62
15.0	46.7	41.8	37.0	29.0	19.2	10.0	0.62
20.0	48.5	40.7	37.0	30.5	21.4	12.1	0.55
25.0	48.5	40.7	37.0	30.5	21.4	12.1	0.55
30.0	42.6	38.9	32.9	25.4	17.5	8.13	0.67
35.0	42.6	38.9	32.9	25.4	17.5	8.13	0.67
40.0	41.0	37.6	31.8	25.2	17.8	10.0	0.43
45.0	41.0	37.6	31.8	25.2	17.8	10.0	0.43
50.0	37.6	32.7	26.2	19.8	13.0	4.86	0.56
55.0	37.6	32.7	26.2	19.8	13.0	4.86	0.56
60.0	33.0	29.0	23.5	17.2	11.6	6.80	0.29
65.0	33.0	29.0	23.5	17.2	11.6	6.80	0.29
70.0	23.6	19.7	14.8	10.6	8.33	1.06	0.43
75.0	23.6	19.7	14.8	10.6	8.33	1.06	0.43
80.0	13.2	10.9	8.72	7.56	4.00	0.24	0.23
85.0	13.2	10.9	8.72	7.56	4.00	0.24	0.23
90.0	0.19	0.18	0.17	0.17	0.17	0.17	0.13

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月26日

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