

## LAMP PHOTOMETRIC REPORT

MODEL:

POWER: 298W

VOLTAGE: 220V

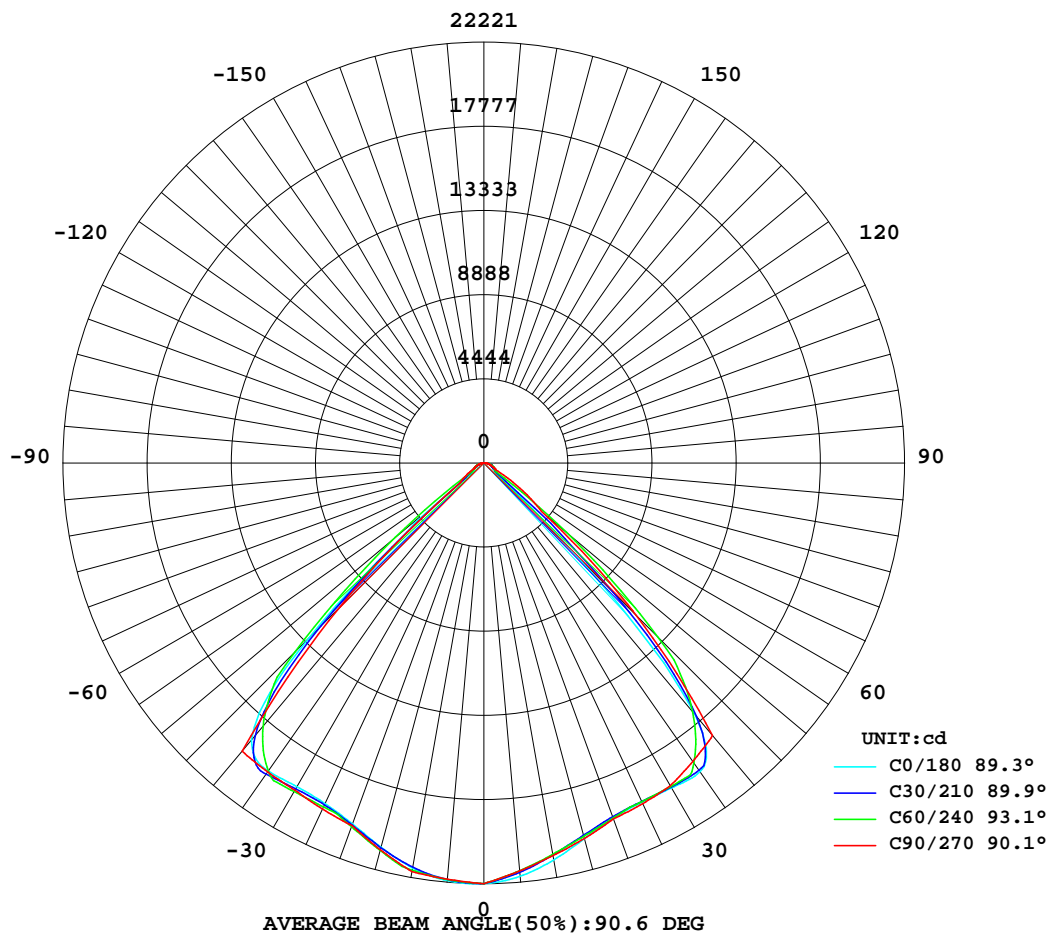
WORKING VOLTAGE: 219.3V

MANUFACTURER: LI TIAN

TOTAL FLUX: 39882 lm

Efficiency: 134.87 lm/W

Test: U: 219.3V I: 1.401A P: 295.7W PF: 0.962



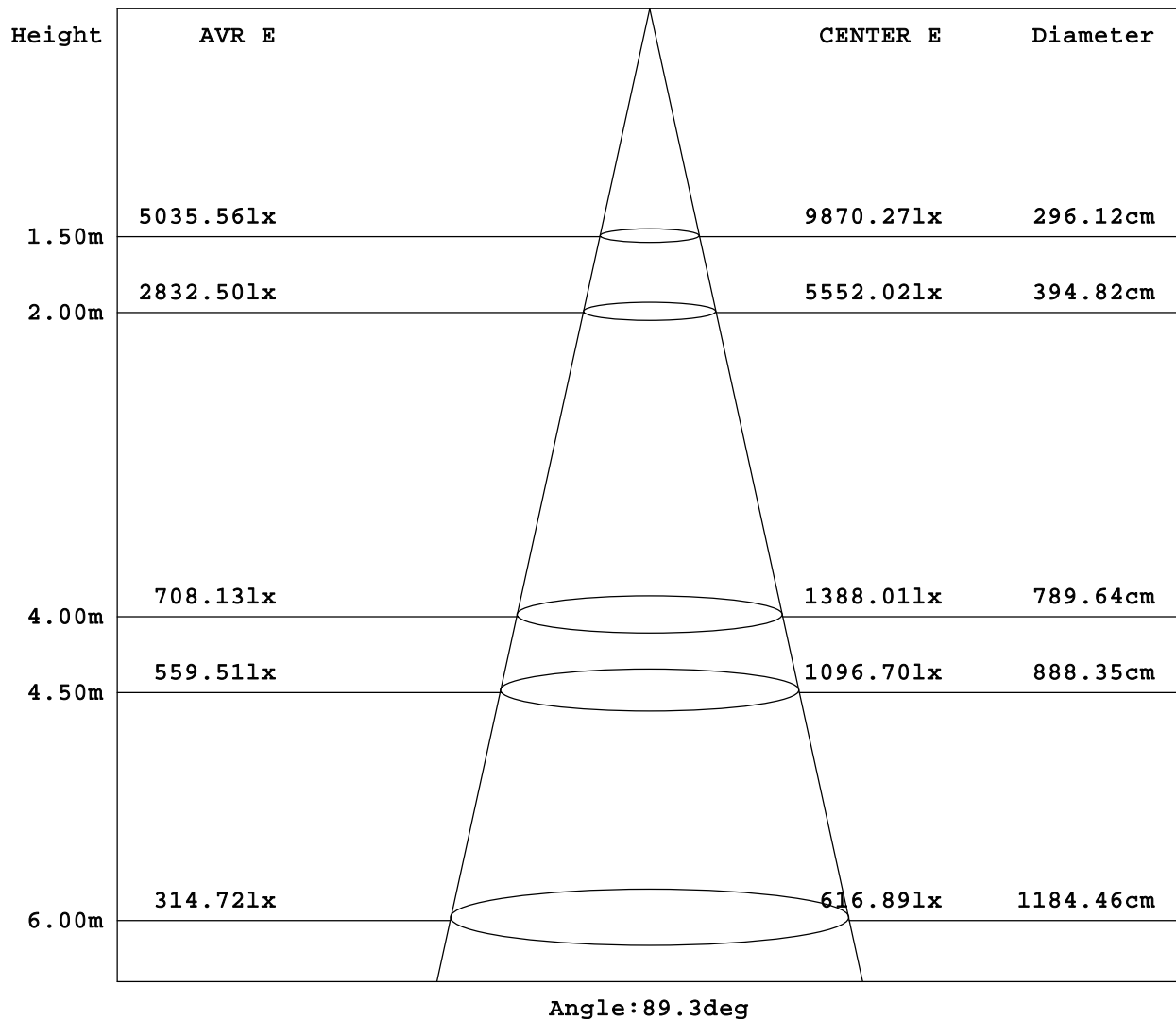
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

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25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							
	0.01	0.03	0.06	0.13	0.25	0.41	0.58	0.68	0.78	0.85	0.76	0.66	0.51	0.34	0.24	0.18	0.12	0.04	6.65	0.00								
90	0.01	0.54	2.35	4.79	6.83	8.65	9.86	9.97	8.93	8.72	9.20	8.61	6.73	4.67	2.98	1.27	0.24	0.01	94.4	0.00								
80	0.07	1.35	4.19	7.08	9.49	11.5	14.3	15.3	14.8	14.9	15.1	13.8	11.0	8.33	5.36	2.95	0.88	0.04	151	0.00								
70	0.12	1.77	4.78	7.54	10.3	14.3	18.2	21.5	26.1	26.7	23.0	18.4	14.2	10.3	6.90	3.74	1.47	0.13	210	0.00								
60	0.23	2.36	5.23	8.31	12.3	19.5	24.9	62.2	147	156	74.7	26.9	20.4	12.7	8.07	4.28	1.65	0.18	588	392								
50	0.21	2.36	5.43	9.12	15.2	44.8	384	711	791	793	737	505	116	16.8	9.70	5.00	1.96	0.28	4149	4049								
40	0.35	2.66	5.76	10.8	34.2	425	663	625	614	611	610	616	451	47.6	11.2	5.30	2.00	0.26	4736	4669								
30	0.27	2.59	5.93	11.4	90.7	497	553	578	606	611	586	549	537	237	12.9	5.88	2.19	0.35	4887	4825								
-30	0.39	2.76	6.18	12.6	217	510	544	596	646	651	606	546	492	227	13.2	5.77	2.12	0.29	5079	5028								
	0.26	2.64	6.08	12.3	149	484	546	609	676	687	630	552	497	321	16.3	6.14	2.24	0.36	5197	5144								
	0.32	2.72	6.15	12.2	177	487	548	604	654	652	599	546	492	176	11.6	5.55	2.08	0.27	4975	4927								
	0.13	2.49	5.77	10.8	23.8	398	549	574	592	594	577	550	480	130	11.3	5.44	2.09	0.29	4507	4455								
-40	0.19	2.45	5.58	10.0	9.85	199	532	590	600	601	593	551	241	4.51	9.22	4.71	1.80	0.16	3956	3903								
-50	0.08	1.95	5.12	8.31	11.7	1.42	101	451	586	598	516	205	4.60	11.0	7.57	4.31	1.70	0.16	2513	2450								
-60	0.10	1.80	4.73	7.59	10.0	13.6	1.45	0.50	1.75	1.80	0.42	0.63	8.69	9.19	6.46	3.45	1.22	0.06	73.6	0.00								
-70	0.04	1.01	3.85	6.58	8.70	9.74	12.2	11.7	6.93	6.87	11.1	12.7	10.0	7.83	5.05	2.70	0.89	0.04	118	0.00								
-80	0.01	0.55	2.46	4.87	6.96	8.13	9.21	9.45	7.77	7.22	8.47	8.36	6.51	4.67	2.93	1.39	0.21	0.01	89.2	0.00								
-90	0.01	0.04	0.34	1.12	2.00	2.72	3.21	3.08	2.70	2.43	2.39	2.06	1.41	0.85	0.41	0.09	0.00	0.00	24.9	0.00								
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)												20	30	40	50	60	70	80	90
Φ t	2.81	32.1	80.0	146	795	3136	4515	5473	5982	6023	5599	4712	3391	1230	142	68.2	24.9	2.92	39882									
Φ a	0.00	0.00	0.00	0.00	641	3022	4416	5374	5912	5953	5507	4617	3295	1105	0.44	0.00	0.00	0.00		38152								

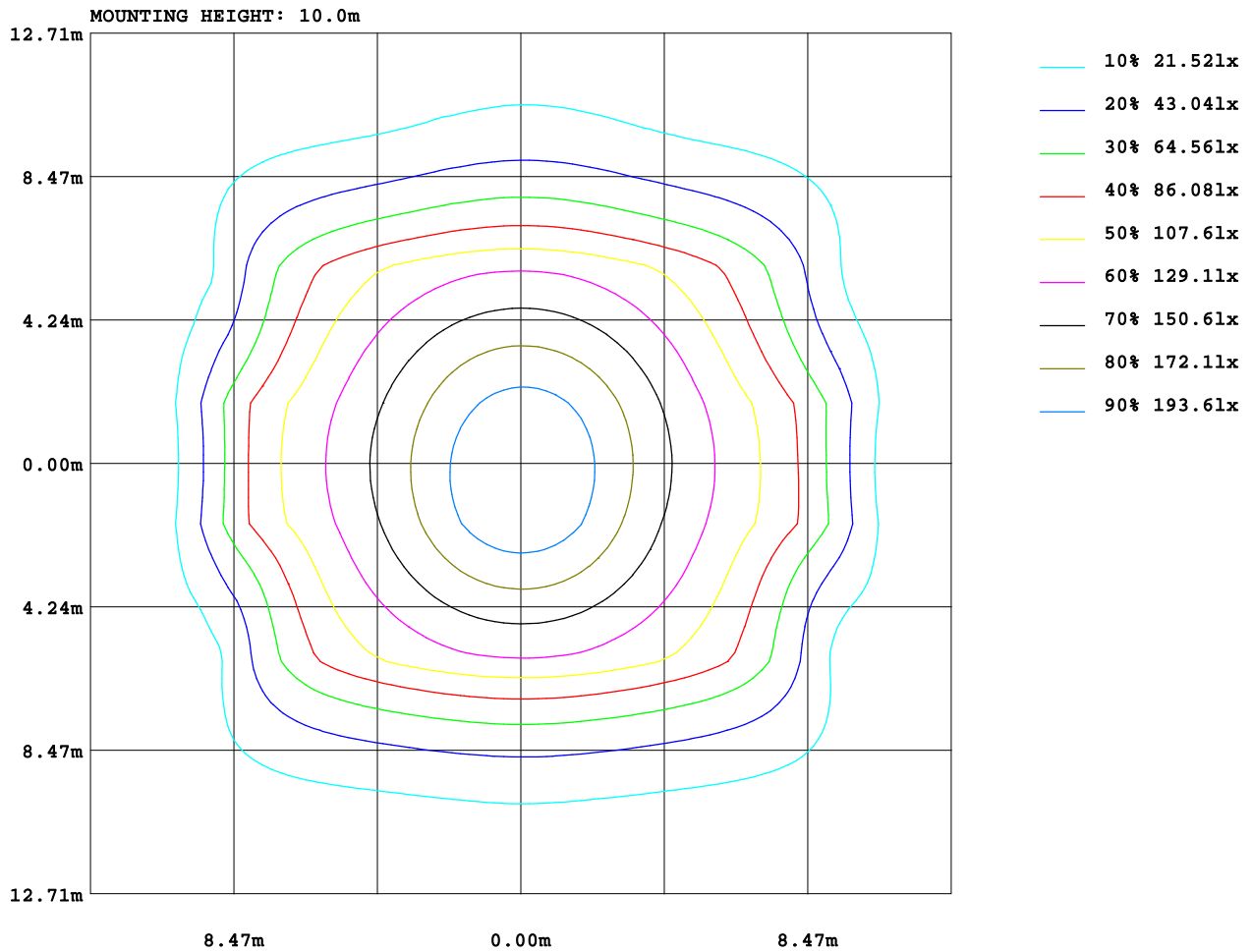
Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25日

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.:



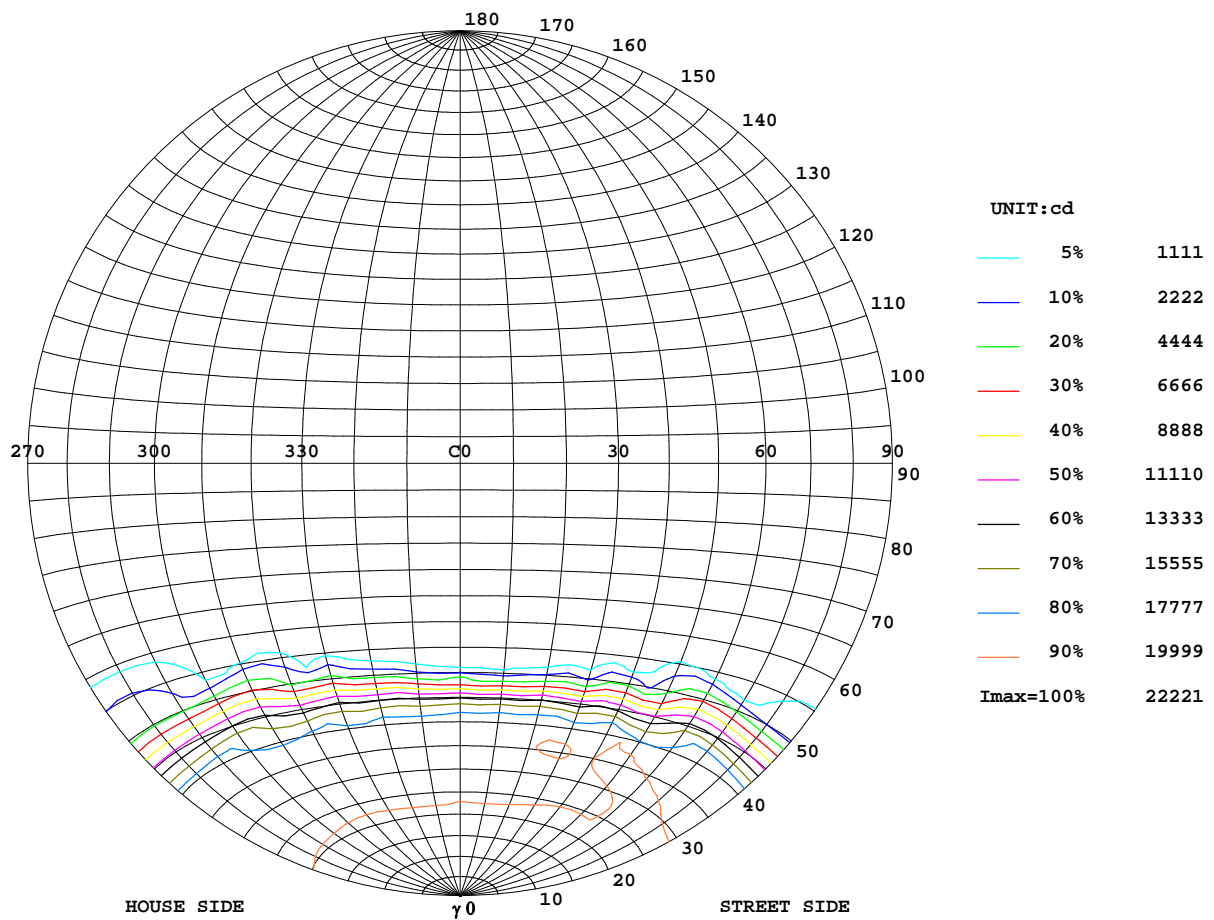
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

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.:



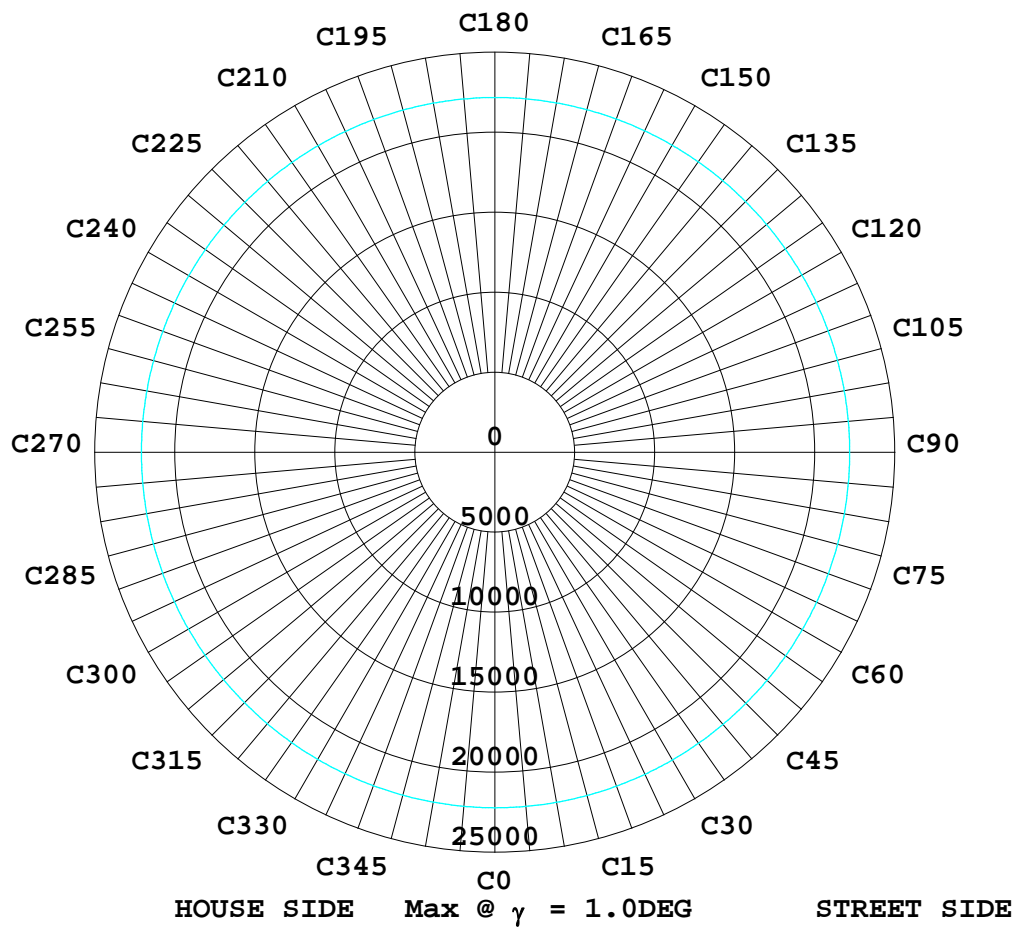
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2017年07月25日

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

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Report number:

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



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Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: ×10cd

H(°) \ V(°)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	0.35	0.33	0.32	0.33	0.33	0.34	0.50	0.69	0.93	1.15	1.35	1.75	2.65	3.43	4.01
-85.0	0.35	0.33	0.32	0.33	0.33	0.34	0.50	0.69	0.93	1.15	1.35	1.75	2.65	3.43	4.01
-80.0	0.41	0.40	0.47	2.32	5.45	8.69	11.7	14.8	17.2	18.4	19.2	19.9	20.9	21.4	21.3
-75.0	0.41	0.40	0.47	2.32	5.45	8.69	11.7	14.8	17.2	18.4	19.2	19.9	20.9	21.4	21.3
-70.0	0.28	0.23	2.69	8.95	17.6	23.5	27.9	32.2	35.0	36.5	37.5	38.1	39.1	40.8	41.8
-65.0	0.28	0.23	2.69	8.95	17.6	23.5	27.9	32.2	35.0	36.5	37.5	38.1	39.1	40.8	41.8
-60.0	0.55	0.74	5.13	15.6	25.6	32.6	37.7	40.5	42.8	44.8	46.9	49.2	52.8	55.7	57.3
-55.0	0.55	0.74	5.13	15.6	25.6	32.6	37.7	40.5	42.8	44.8	46.9	49.2	52.8	55.7	57.3
-50.0	0.32	2.08	8.95	23.8	33.0	38.0	42.3	46.1	49.9	53.6	57.7	72.3	75.8	76.9	83.3
-45.0	0.32	2.08	8.95	23.8	33.0	38.0	42.3	46.1	49.9	53.6	57.7	72.3	75.8	76.9	83.3
-40.0	0.71	2.11	10.2	27.0	36.1	40.9	46.0	51.5	57.1	70.3	72.1	88.1	228	771	1351
-35.0	0.71	2.11	10.2	27.0	36.1	40.9	46.0	51.5	57.1	70.3	72.1	88.1	228	771	1351
-30.0	0.37	2.90	17.6	31.9	38.0	43.4	50.5	57.4	71.8	79.6	309	1096	1766	1975	2004
-25.0	0.37	2.90	17.6	31.9	38.0	43.4	50.5	57.4	71.8	79.6	309	1096	1766	1975	2004
-20.0	0.74	2.54	17.8	32.8	39.2	44.6	53.3	64.3	74.3	134	973	1809	1992	1989	1980
-15.0	0.74	2.54	17.8	32.8	39.2	44.6	53.3	64.3	74.3	134	973	1809	1992	1989	1980
-10.0	0.36	2.87	23.9	34.1	39.8	47.0	56.3	71.1	91.8	661	1703	1990	1987	1980	1999
-5.0	0.36	2.87	23.9	34.1	39.8	47.0	56.3	71.1	91.8	661	1703	1990	1987	1980	1999
0.0	0.77	2.73	22.1	33.9	40.0	46.1	55.9	72.4	88.0	587	1661	1985	1983	1976	1993
5.0	0.77	2.73	22.1	33.9	40.0	46.1	55.9	72.4	88.0	587	1661	1985	1983	1976	1993
10.0	0.35	6.55	24.0	34.1	39.7	46.6	55.2	69.5	91.5	660	1686	1978	1982	1972	1977
15.0	0.35	6.55	24.0	34.1	39.7	46.6	55.2	69.5	91.5	660	1686	1978	1982	1972	1977
20.0	0.77	4.68	20.4	32.9	39.0	44.3	51.9	63.3	73.8	143	1057	1806	1976	1978	1970
25.0	0.77	4.68	20.4	32.9	39.0	44.3	51.9	63.3	73.8	143	1057	1806	1976	1978	1970
30.0	0.36	5.59	21.8	32.0	37.9	42.9	48.7	55.4	66.8	82.2	426	1224	1767	1939	1974
35.0	0.36	5.59	21.8	32.0	37.9	42.9	48.7	55.4	66.8	82.2	426	1224	1767	1939	1974
40.0	0.69	2.95	16.3	28.2	35.9	40.8	45.1	49.5	54.8	68.2	73.1	105	390	968	1430
45.0	0.69	2.95	16.3	28.2	35.9	40.8	45.1	49.5	54.8	68.2	73.1	105	390	968	1430
50.0	0.37	3.23	14.5	26.3	33.3	38.2	41.6	44.9	48.3	52.4	59.8	72.2	71.2	78.7	95.4
55.0	0.37	3.23	14.5	26.3	33.3	38.2	41.6	44.9	48.3	52.4	59.8	72.2	71.2	78.7	95.4
60.0	0.58	0.83	8.05	19.2	26.8	33.5	37.4	39.9	41.8	44.2	46.8	51.0	55.9	58.5	60.4
65.0	0.58	0.83	8.05	19.2	26.8	33.5	37.4	39.9	41.8	44.2	46.8	51.0	55.9	58.5	60.4
70.0	0.35	0.29	4.86	11.8	20.2	26.0	30.1	33.3	35.1	36.6	37.5	38.6	40.8	43.0	43.3
75.0	0.35	0.29	4.86	11.8	20.2	26.0	30.1	33.3	35.1	36.6	37.5	38.6	40.8	43.0	43.3
80.0	0.42	0.42	0.56	4.30	8.27	11.9	15.9	18.4	20.1	21.4	22.4	23.5	24.4	24.4	24.2
85.0	0.42	0.42	0.56	4.30	8.27	11.9	15.9	18.4	20.1	21.4	22.4	23.5	24.4	24.4	24.2
90.0	0.25	0.22	0.22	0.22	0.22	0.21	0.25	0.42	0.62	0.82	1.02	1.25	1.51	1.70	1.82

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25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:

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

UNIT: ×10cd

H(°) \ V(°)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	4.65	4.82	4.31	3.55	3.31	3.12	2.80	1.96	1.48	1.00	0.89	0.75	0.64	0.54	0.42
-85.0	4.65	4.82	4.31	3.55	3.31	3.12	2.80	1.96	1.48	1.00	0.89	0.75	0.64	0.54	0.42
-80.0	20.6	19.7	18.4	17.6	17.5	17.7	18.3	18.4	17.8	16.6	14.8	12.9	11.4	10.0	7.98
-75.0	20.6	19.7	18.4	17.6	17.5	17.7	18.3	18.4	17.8	16.6	14.8	12.9	11.4	10.0	7.98
-70.0	41.2	39.5	37.6	36.6	36.6	37.5	38.9	39.7	39.2	36.7	34.0	31.3	28.2	24.8	22.1
-65.0	41.2	39.5	37.6	36.6	36.6	37.5	38.9	39.7	39.2	36.7	34.0	31.3	28.2	24.8	22.1
-60.0	58.6	60.2	62.1	63.4	62.9	60.8	58.7	57.3	56.1	54.1	49.9	45.2	41.2	37.0	32.9
-55.0	58.6	60.2	62.1	63.4	62.9	60.8	58.7	57.3	56.1	54.1	49.9	45.2	41.2	37.0	32.9
-50.0	92.7	121	150	167	154	124	99.6	83.1	74.8	72.8	71.8	57.1	50.7	45.7	40.5
-45.0	92.7	121	150	167	154	124	99.6	83.1	74.8	72.8	71.8	57.1	50.7	45.7	40.5
-40.0	1715	1888	1960	1985	1985	1953	1860	1628	1164	501	124	78.6	68.7	55.4	47.8
-35.0	1715	1888	1960	1985	1985	1953	1860	1628	1164	501	124	78.6	68.7	55.4	47.8
-30.0	2000	1996	1995	1995	1998	2002	2011	2023	2012	1870	1330	360	81.9	68.0	54.9
-25.0	2000	1996	1995	1995	1998	2002	2011	2023	2012	1870	1330	360	81.9	68.0	54.9
-20.0	1985	2004	2026	2037	2033	2016	1995	1984	1989	2006	1981	1657	609	85.2	67.1
-15.0	1985	2004	2026	2037	2033	2016	1995	1984	1989	2006	1981	1657	609	85.2	67.1
-10.0	2052	2118	2170	2191	2175	2126	2059	2003	1979	1985	1996	1837	964	102	69.5
-5.0	2052	2118	2170	2191	2175	2126	2059	2003	1979	1985	1996	1837	964	102	69.5
0.0	2046	2120	2186	2219	2216	2177	2108	2035	1988	1974	1985	1927	1409	329	76.8
5.0	2046	2120	2186	2219	2216	2177	2108	2035	1988	1974	1985	1927	1409	329	76.8
10.0	2008	2048	2086	2105	2101	2076	2036	1995	1971	1970	1965	1782	960	108	69.7
15.0	2008	2048	2086	2105	2101	2076	2036	1995	1971	1970	1965	1782	960	108	69.7
20.0	1968	1977	1989	1999	2001	1995	1983	1969	1962	1961	1908	1609	730	92.4	66.7
25.0	1968	1977	1989	1999	2001	1995	1983	1969	1962	1961	1908	1609	730	92.4	66.7
30.0	1975	1973	1970	1969	1967	1965	1963	1957	1922	1774	1365	591	89.9	68.3	59.1
35.0	1975	1973	1970	1969	1967	1965	1963	1957	1922	1774	1365	591	89.9	68.3	59.1
40.0	1686	1807	1862	1879	1871	1833	1750	1578	1273	787	291	81.9	66.7	62.6	50.4
45.0	1686	1807	1862	1879	1871	1833	1750	1578	1273	787	291	81.9	66.7	62.6	50.4
50.0	154	267	354	399	376	295	188	108	82.3	74.0	73.1	63.4	52.6	47.6	42.1
55.0	154	267	354	399	376	295	188	108	82.3	74.0	73.1	63.4	52.6	47.6	42.1
60.0	62.6	67.1	71.0	72.7	72.3	70.1	66.2	61.6	58.0	54.6	49.9	45.5	42.1	38.4	34.5
65.0	62.6	67.1	71.0	72.7	72.3	70.1	66.2	61.6	58.0	54.6	49.9	45.5	42.1	38.4	34.5
70.0	42.6	41.1	39.4	38.6	39.3	40.7	41.6	41.7	40.8	38.3	35.7	33.2	30.8	27.4	24.0
75.0	42.6	41.1	39.4	38.6	39.3	40.7	41.6	41.7	40.8	38.3	35.7	33.2	30.8	27.4	24.0
80.0	23.4	21.6	20.2	19.6	19.8	20.6	21.6	21.9	21.5	20.3	18.3	16.1	14.6	13.2	11.5
85.0	23.4	21.6	20.2	19.6	19.8	20.6	21.6	21.9	21.5	20.3	18.3	16.1	14.6	13.2	11.5
90.0	1.85	1.99	2.07	2.32	2.26	2.15	1.95	1.87	1.72	1.47	1.22	0.90	0.63	0.46	0.32

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25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:

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

UNIT: ×10cd

H(°) \ V(°)	60	65	70	75	80	85	90
-90.0	0.32	0.30	0.29	0.28	0.26	0.25	0.23
-85.0	0.32	0.30	0.29	0.28	0.26	0.25	0.23
-80.0	6.00	3.57	1.89	0.29	0.24	0.22	0.23
-75.0	6.00	3.57	1.89	0.29	0.24	0.22	0.23
-70.0	19.0	15.2	10.3	5.38	1.37	0.57	0.45
-65.0	19.0	15.2	10.3	5.38	1.37	0.57	0.45
-60.0	27.9	23.6	19.0	12.9	5.50	0.60	0.28
-55.0	27.9	23.6	19.0	12.9	5.50	0.60	0.28
-50.0	35.3	29.3	23.0	17.8	8.54	1.57	0.60
-45.0	35.3	29.3	23.0	17.8	8.54	1.57	0.60
-40.0	41.5	35.0	28.0	21.7	13.6	2.61	0.34
-35.0	41.5	35.0	28.0	21.7	13.6	2.61	0.34
-30.0	46.1	38.2	30.5	22.9	15.6	3.32	0.72
-25.0	46.1	38.2	30.5	22.9	15.6	3.32	0.72
-20.0	52.3	42.4	33.1	26.3	18.4	6.12	0.39
-15.0	52.3	42.4	33.1	26.3	18.4	6.12	0.39
-10.0	55.3	43.7	33.5	26.0	18.6	6.60	0.79
-5.0	55.3	43.7	33.5	26.0	18.6	6.60	0.79
0.0	61.8	45.6	34.2	27.7	19.5	8.80	0.38
5.0	61.8	45.6	34.2	27.7	19.5	8.80	0.38
10.0	55.7	43.8	33.4	26.1	18.7	7.21	0.79
15.0	55.7	43.8	33.4	26.1	18.7	7.21	0.79
20.0	53.7	43.1	33.1	26.4	18.7	8.21	0.40
25.0	53.7	43.1	33.1	26.4	18.7	8.21	0.40
30.0	47.6	38.9	30.8	23.6	16.7	5.41	0.75
35.0	47.6	38.9	30.8	23.6	16.7	5.41	0.75
40.0	42.9	35.6	28.5	22.2	15.3	4.98	0.39
45.0	42.9	35.6	28.5	22.2	15.3	4.98	0.39
50.0	36.4	30.2	24.1	18.8	11.2	2.70	0.63
55.0	36.4	30.2	24.1	18.8	11.2	2.70	0.63
60.0	29.5	24.9	20.1	14.7	7.79	1.45	0.34
65.0	29.5	24.9	20.1	14.7	7.79	1.45	0.34
70.0	21.1	17.4	12.6	7.66	2.64	0.60	0.46
75.0	21.1	17.4	12.6	7.66	2.64	0.60	0.46
80.0	9.03	6.51	3.99	1.87	0.28	0.26	0.29
85.0	9.03	6.51	3.99	1.87	0.28	0.26	0.29
90.0	0.24	0.21	0.21	0.21	0.20	0.19	0.20

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2017年07月25日

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