

LAMP PHOTOMETRIC REPORT

MODEL:

POWER: 198W

VOLTAGE: 220V

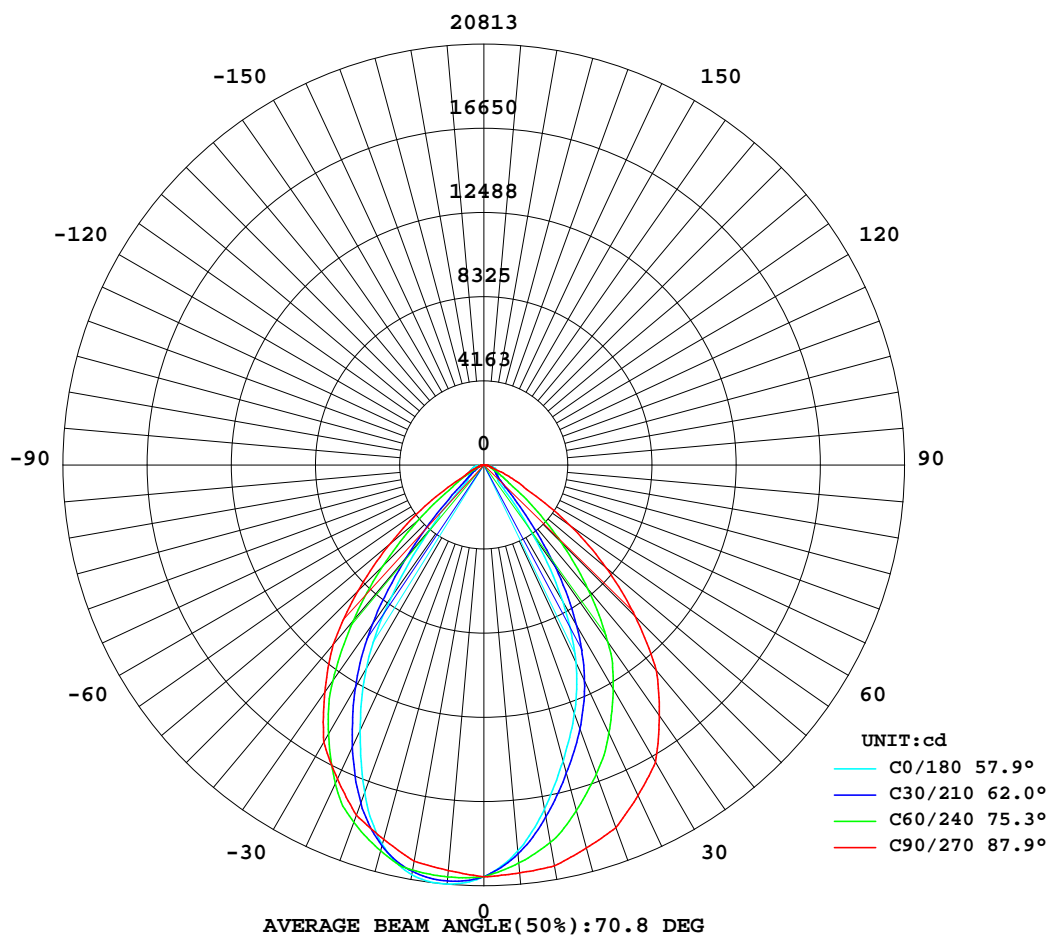
WORKING VOLTAGE: 219.4V

MANUFACTURER: LI TIAN

TOTAL FLUX: 26561 lm

Efficiency: 136.13 lm/W

Test: U: 219.5V I: 0.909A P: 195.1W PF: 0.977



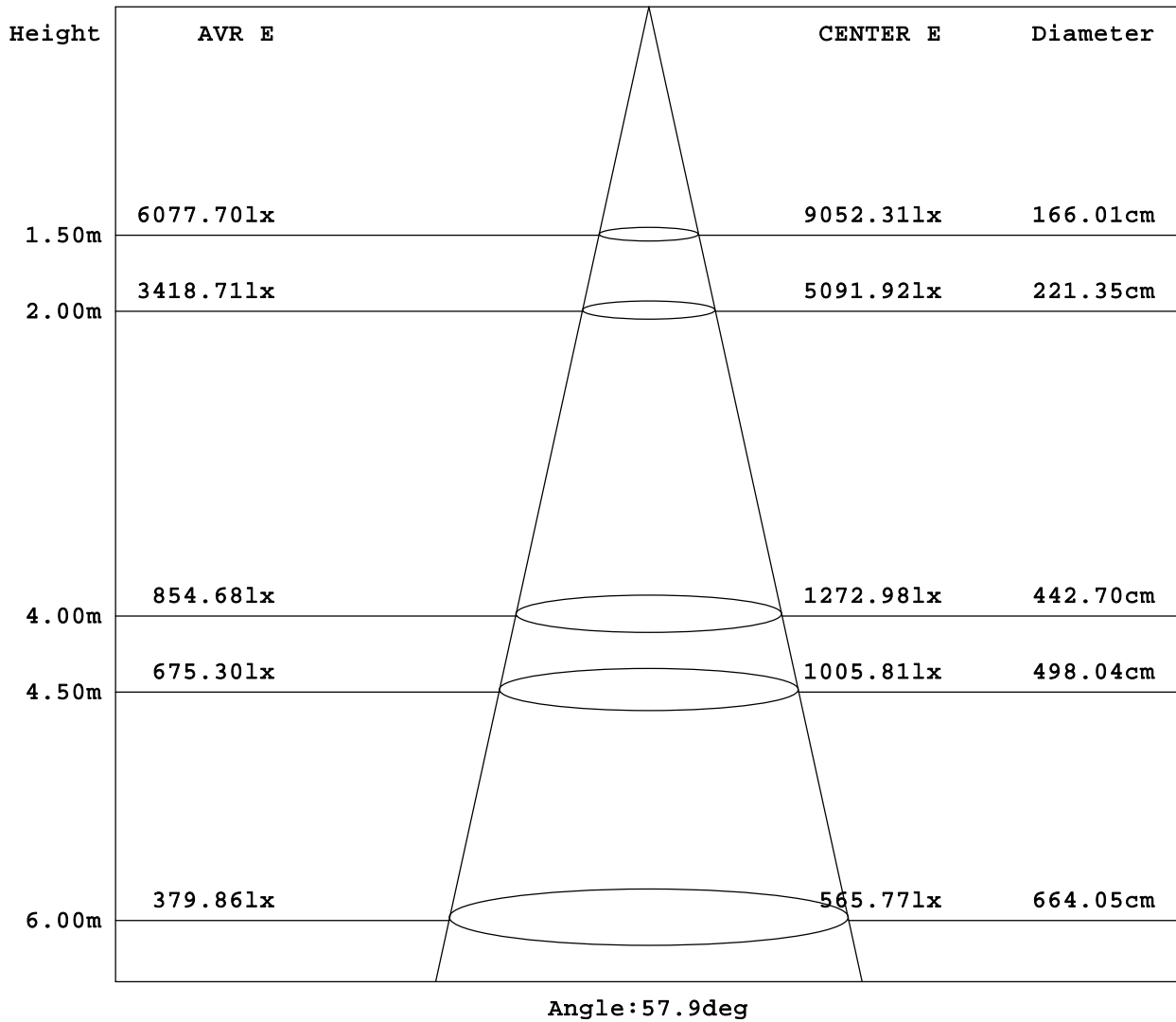
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a					
	0.01	0.02	0.02	0.04	0.17	0.38	0.62	0.78	0.82	0.80	0.67	0.53	0.35	0.16	0.04	0.02	0.01	0.00	5.43	0.00						
90	0.01	0.44	1.49	2.96	4.65	6.19	7.74	9.03	8.50	7.87	8.31	7.52	5.61	3.93	3.00	1.97	0.83	0.04	80.1	0.00						
80	0.08	1.07	2.83	5.02	6.90	8.60	11.1	14.2	16.7	16.3	14.7	11.4	8.52	6.60	5.02	3.79	1.75	0.17	135	0.00						
70	0.10	1.64	4.68	7.13	8.95	11.3	19.3	41.0	83.7	110	74.1	28.1	13.4	9.79	8.05	5.61	2.81	0.36	430	247						
60	0.19	2.79	6.90	10.0	12.5	19.8	58.4	170	289	324	250	111	28.0	14.4	11.4	7.89	3.51	0.39	1321	1179						
50	0.17	3.12	8.13	12.7	17.0	33.8	128	293	433	494	431	259	85.5	21.1	13.8	9.30	4.36	0.68	2247	2115						
40	0.31	3.96	8.43	13.3	20.0	71.3	242	415	541	582	506	325	122	25.6	14.9	9.53	4.39	0.55	2904	2786						
30	0.21	3.69	8.56	14.2	21.2	81.3	265	425	560	621	575	414	203	40.2	16.3	10.2	4.71	0.88	3264	3151						
-30	0.40	4.07	8.87	14.4	22.8	133	318	464	595	636	563	387	183	32.7	16.5	10.1	4.51	0.61	3394	3286						
	0.20	3.66	8.44	13.9	20.5	100	286	438	573	630	580	422	226	50.0	16.4	10.2	4.63	0.85	3385	3280						
	0.36	3.80	8.21	12.9	21.7	119	295	449	570	603	526	362	156	25.2	14.7	9.16	4.15	0.54	3182	3079						
-40	0.15	3.12	7.50	11.5	16.3	51.6	207	371	495	543	488	339	146	31.1	12.8	8.19	3.90	0.67	2736	2636						
-50	0.23	2.92	6.92	10.5	14.7	43.3	159	306	418	442	360	201	52.4	13.8	10.6	6.89	3.21	0.32	2052	1947						
-60	0.07	1.81	5.19	8.20	10.1	8.71	40.2	148	251	287	228	114	29.3	11.1	8.14	5.54	2.57	0.36	1160	1056						
-70	0.11	1.39	3.62	6.02	8.30	9.45	8.68	37.2	86.8	93.2	50.4	13.0	5.29	6.58	5.20	3.32	1.39	0.12	340	218						
-80	0.03	0.78	2.30	4.70	6.84	8.15	5.86	2.51	3.17	3.81	2.91	3.45	5.83	5.50	3.45	1.79	0.78	0.10	62.0	0.00						
-90	0.02	0.39	1.03	2.17	3.98	5.55	6.75	5.98	2.70	1.79	2.91	4.49	4.42	3.16	1.87	0.92	0.24	0.01	48.4	0.00						
	0.01	0.04	0.21	0.57	0.88	1.32	2.14	2.49	2.26	2.12	2.07	1.74	1.14	0.89	0.50	0.16	0.02	0.00	18.5	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	2.63	38.7	93.4	151	218	713	2061	3591	4929	5397	4664	3004	1276	302	163	105	47.8	6.65	26561							
Φ a	0.00	0.00	0.00	0.00	0.00	524	1959	3500	4873	5353	4606	2930	1156	79.6	0.00	0.00	0.00	0.00		24550						

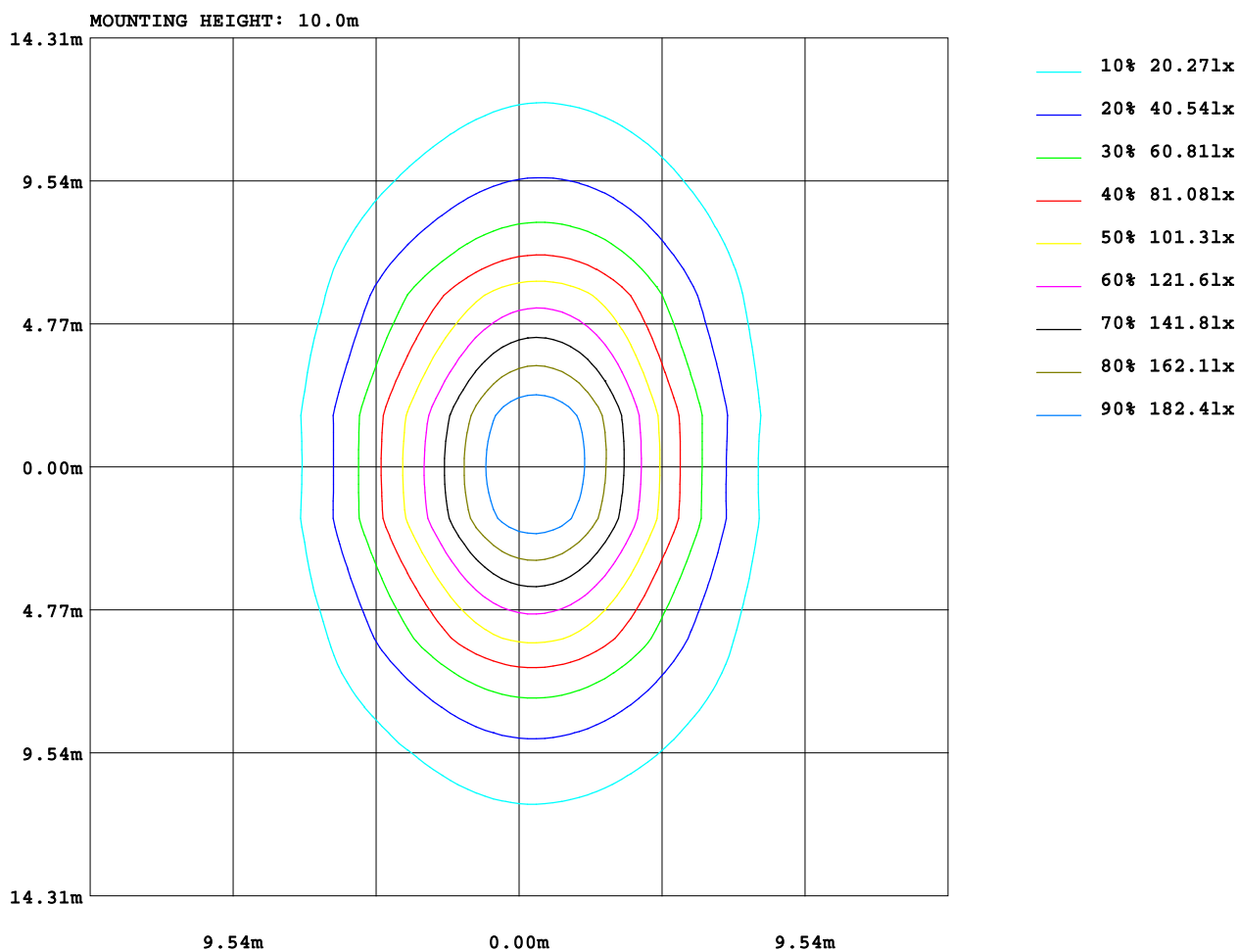
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月26日

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.:



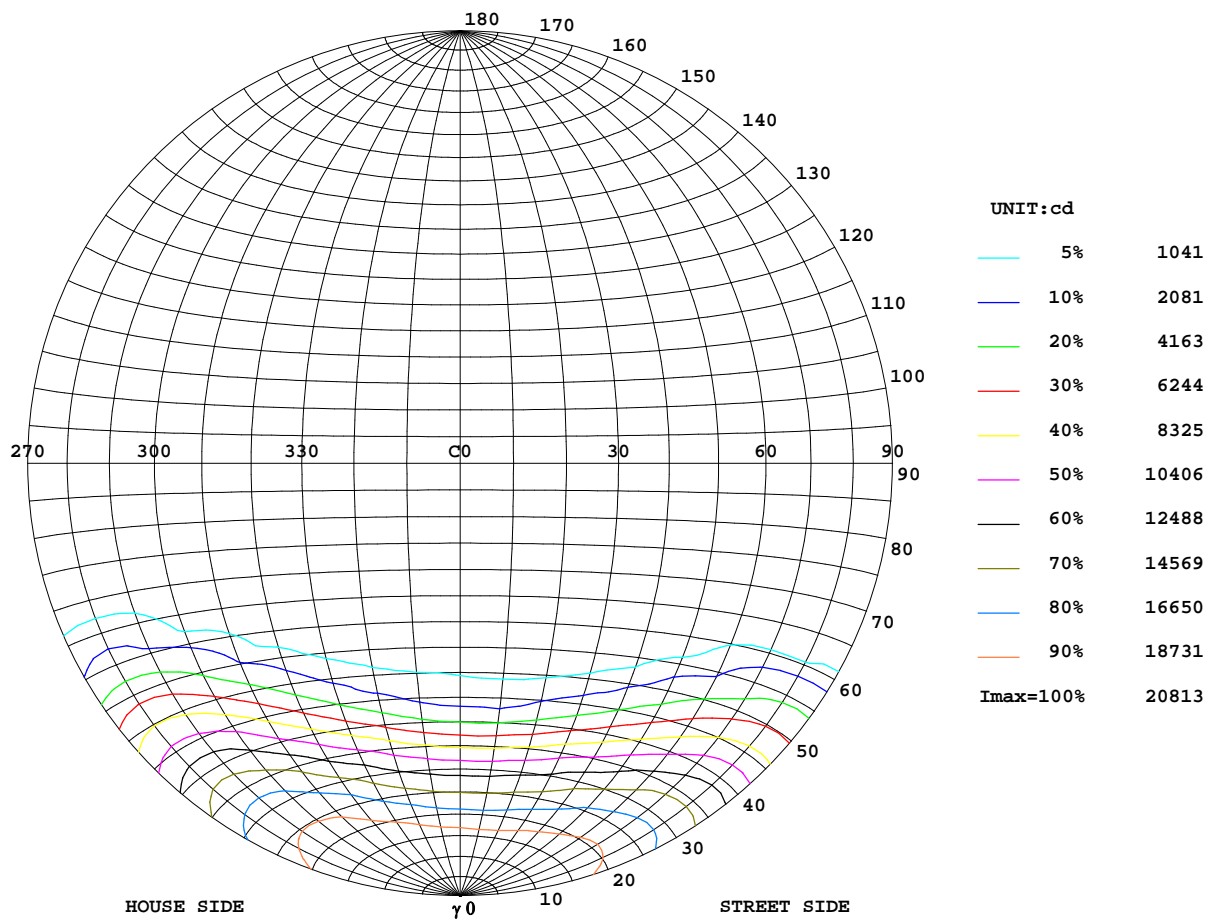
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Operators:
Test Date:2017年07月26日

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ISOCANDELA DIAGRAM

Report number:

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



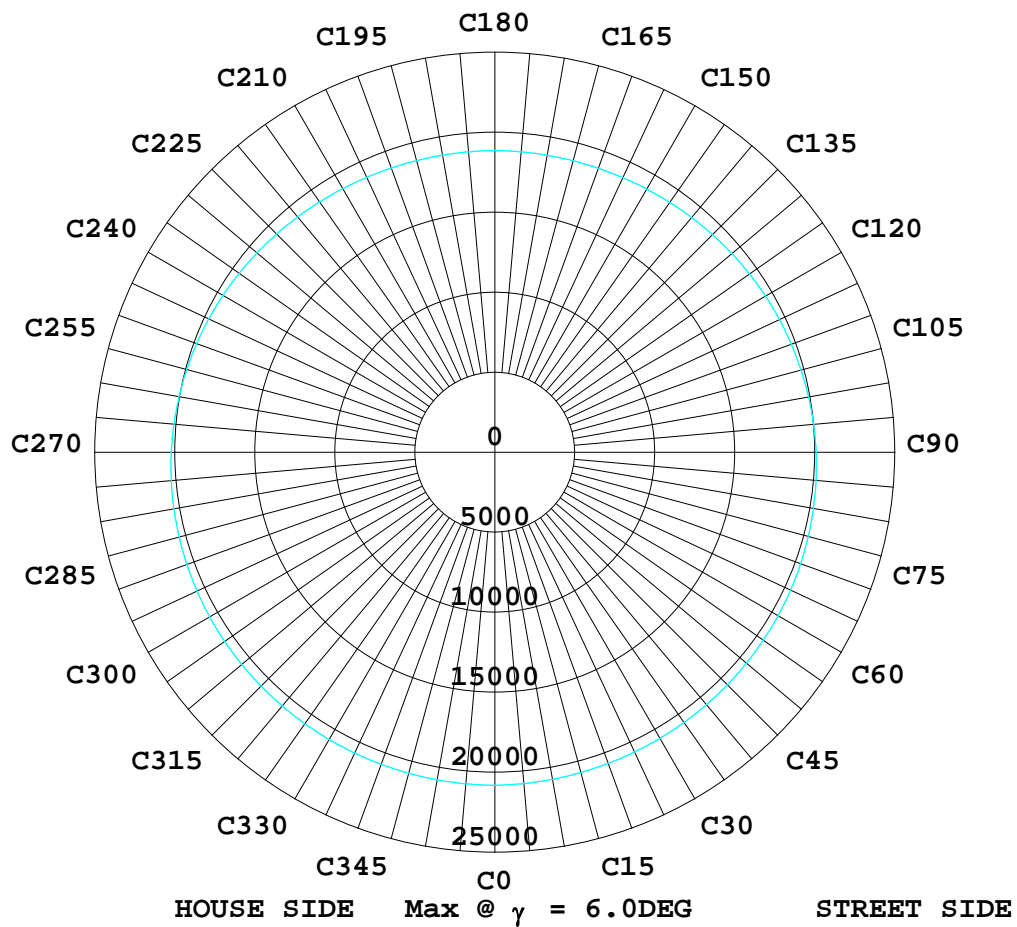
Test System:HOP00 HPG1900
Temperature:25.3DEG
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Test Date:2017年07月26日

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Report number:

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



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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	0.29	0.30	0.32	0.33	0.33	0.32	0.31	0.30	0.31	0.54	0.83	1.20	1.55	1.80	2.05
-85.0	0.29	0.30	0.32	0.33	0.33	0.32	0.31	0.30	0.31	0.54	0.83	1.20	1.55	1.80	2.05
-80.0	0.29	0.34	0.41	1.89	3.75	5.03	6.39	8.46	9.45	10.5	11.7	12.6	14.2	16.1	17.0
-75.0	0.29	0.34	0.41	1.89	3.75	5.03	6.39	8.46	9.45	10.5	11.7	12.6	14.2	16.1	17.0
-70.0	0.22	0.21	3.29	7.50	10.6	12.7	15.8	18.6	21.6	24.5	26.6	28.1	29.6	32.5	34.7
-65.0	0.22	0.21	3.29	7.50	10.6	12.7	15.8	18.6	21.6	24.5	26.6	28.1	29.6	32.5	34.7
-60.0	0.54	0.68	5.38	13.8	18.2	22.8	28.0	31.4	33.9	36.0	37.6	39.7	43.4	48.0	54.4
-55.0	0.54	0.68	5.38	13.8	18.2	22.8	28.0	31.4	33.9	36.0	37.6	39.7	43.4	48.0	54.4
-50.0	0.29	1.09	11.2	20.6	27.6	34.4	37.7	40.5	42.5	44.2	46.8	53.5	67.0	103	190
-45.0	0.29	1.09	11.2	20.6	27.6	34.4	37.7	40.5	42.5	44.2	46.8	53.5	67.0	103	190
-40.0	0.71	1.42	13.0	27.5	38.1	45.7	50.0	52.6	53.9	55.3	61.4	80.0	150	308	513
-35.0	0.71	1.42	13.0	27.5	38.1	45.7	50.0	52.6	53.9	55.3	61.4	80.0	150	308	513
-30.0	0.36	1.80	20.0	38.4	49.6	55.8	60.7	63.6	65.5	71.4	92.4	188	402	668	920
-25.0	0.36	1.80	20.0	38.4	49.6	55.8	60.7	63.6	65.5	71.4	92.4	188	402	668	920
-20.0	0.78	1.62	18.8	42.8	54.0	60.1	66.0	69.6	72.8	81.0	111	268	553	859	1123
-15.0	0.78	1.62	18.8	42.8	54.0	60.1	66.0	69.6	72.8	81.0	111	268	553	859	1123
-10.0	0.36	1.81	28.3	48.5	56.2	64.5	71.5	75.7	81.3	94.7	162	436	776	1066	1305
-5.0	0.36	1.81	28.3	48.5	56.2	64.5	71.5	75.7	81.3	94.7	162	436	776	1066	1305
0.0	0.80	1.52	22.4	48.2	57.5	65.8	74.7	80.0	85.9	98.1	137	402	751	1052	1289
5.0	0.80	1.52	22.4	48.2	57.5	65.8	74.7	80.0	85.9	98.1	137	402	751	1052	1289
10.0	0.36	3.27	29.4	50.4	58.1	67.5	76.0	80.9	87.1	101	157	431	774	1065	1300
15.0	0.36	3.27	29.4	50.4	58.1	67.5	76.0	80.9	87.1	101	157	431	774	1065	1300
20.0	0.81	2.41	21.4	46.7	57.8	64.6	73.1	78.5	82.8	91.6	118	267	566	879	1148
25.0	0.81	2.41	21.4	46.7	57.8	64.6	73.1	78.5	82.8	91.6	118	267	566	879	1148
30.0	0.37	3.19	23.3	45.6	56.1	62.3	68.9	72.6	75.6	82.8	107	205	423	703	975
35.0	0.37	3.19	23.3	45.6	56.1	62.3	68.9	72.6	75.6	82.8	107	205	423	703	975
40.0	0.77	1.97	14.9	35.8	50.0	57.2	62.6	65.4	66.9	68.9	77.2	103	184	355	580
45.0	0.77	1.97	14.9	35.8	50.0	57.2	62.6	65.4	66.9	68.9	77.2	103	184	355	580
50.0	0.39	2.19	13.3	29.9	39.3	46.1	48.9	50.3	50.5	50.7	53.1	63.9	89.5	150	275
55.0	0.39	2.19	13.3	29.9	39.3	46.1	48.9	50.3	50.5	50.7	53.1	63.9	89.5	150	275
60.0	0.63	0.80	7.27	16.6	24.6	29.7	33.8	34.8	35.7	36.4	37.3	39.2	45.1	56.7	75.5
65.0	0.63	0.80	7.27	16.6	24.6	29.7	33.8	34.8	35.7	36.4	37.3	39.2	45.1	56.7	75.5
70.0	0.35	0.30	5.14	10.3	13.7	17.2	20.1	23.2	24.8	26.2	27.5	28.6	30.2	33.4	36.4
75.0	0.35	0.30	5.14	10.3	13.7	17.2	20.1	23.2	24.8	26.2	27.5	28.6	30.2	33.4	36.4
80.0	0.36	0.39	0.52	3.69	5.67	7.64	9.54	11.2	13.2	14.6	16.0	16.9	18.4	19.5	20.5
85.0	0.36	0.39	0.52	3.69	5.67	7.64	9.54	11.2	13.2	14.6	16.0	16.9	18.4	19.5	20.5
90.0	0.24	0.24	0.22	0.21	0.19	0.18	0.18	0.17	0.47	0.82	1.20	1.62	2.03	2.34	2.67

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	2.14	2.33	2.50	2.24	2.16	2.10	2.07	1.96	1.74	1.55	1.29	0.99	0.66	0.29	0.26
-85.0	2.14	2.33	2.50	2.24	2.16	2.10	2.07	1.96	1.74	1.55	1.29	0.99	0.66	0.29	0.26
-80.0	17.5	17.0	15.9	15.0	14.8	15.2	15.3	14.9	14.0	12.6	11.0	10.0	9.44	8.51	6.96
-75.0	17.5	17.0	15.9	15.0	14.8	15.2	15.3	14.9	14.0	12.6	11.0	10.0	9.44	8.51	6.96
-70.0	35.3	34.7	33.1	31.0	30.7	31.3	31.7	31.3	29.6	26.9	24.6	22.6	20.1	17.6	15.6
-65.0	35.3	34.7	33.1	31.0	30.7	31.3	31.7	31.3	29.6	26.9	24.6	22.6	20.1	17.6	15.6
-60.0	64.1	78.8	97.2	113	113	100	83.4	67.9	55.4	45.3	38.0	33.5	31.0	28.4	25.7
-55.0	64.1	78.8	97.2	113	113	100	83.4	67.9	55.4	45.3	38.0	33.5	31.0	28.4	25.7
-50.0	312	441	548	606	600	541	435	304	184	104	65.8	47.7	41.4	39.3	37.4
-45.0	312	441	548	606	600	541	435	304	184	104	65.8	47.7	41.4	39.3	37.4
-40.0	717	904	1059	1154	1173	1118	990	799	579	354	175	88.7	61.7	54.9	53.4
-35.0	717	904	1059	1154	1173	1118	990	799	579	354	175	88.7	61.7	54.9	53.4
-30.0	1145	1346	1501	1589	1605	1544	1400	1184	911	616	331	144	84.0	70.5	66.8
-25.0	1145	1346	1501	1589	1605	1544	1400	1184	911	616	331	144	84.0	70.5	66.8
-20.0	1348	1555	1726	1836	1876	1847	1731	1533	1281	969	609	295	123	85.0	77.6
-15.0	1348	1555	1726	1836	1876	1847	1731	1533	1281	969	609	295	123	85.0	77.6
-10.0	1516	1725	1895	1996	2028	1987	1852	1634	1370	1069	690	315	127	94.8	87.1
-5.0	1516	1725	1895	1996	2028	1987	1852	1634	1370	1069	690	315	127	94.8	87.1
0.0	1494	1708	1901	2028	2078	2062	1958	1750	1477	1196	842	446	152	104	92.7
5.0	1494	1708	1901	2028	2078	2062	1958	1750	1477	1196	842	446	152	104	92.7
10.0	1507	1716	1906	2020	2056	2024	1900	1667	1378	1082	710	329	122	101	92.5
15.0	1507	1716	1906	2020	2056	2024	1900	1667	1378	1082	710	329	122	101	92.5
20.0	1367	1574	1768	1900	1952	1935	1835	1627	1341	1035	667	337	129	96.8	88.8
25.0	1367	1574	1768	1900	1952	1935	1835	1627	1341	1035	667	337	129	96.8	88.8
30.0	1213	1417	1593	1706	1742	1697	1557	1320	1027	706	397	172	98.6	85.1	80.9
35.0	1213	1417	1593	1706	1742	1697	1557	1320	1027	706	397	172	98.6	85.1	80.9
40.0	806	1014	1195	1320	1366	1326	1199	978	720	464	239	113	80.7	73.7	71.9
45.0	806	1014	1195	1320	1366	1326	1199	978	720	464	239	113	80.7	73.7	71.9
50.0	418	573	708	795	809	754	634	465	290	151	81.8	62.3	56.7	56.2	56.8
55.0	418	573	708	795	809	754	634	465	290	151	81.8	62.3	56.7	56.2	56.8
60.0	104	146	199	246	262	237	183	118	75.6	54.4	44.4	39.6	38.3	38.4	38.3
65.0	104	146	199	246	262	237	183	118	75.6	54.4	44.4	39.6	38.3	38.4	38.3
70.0	39.3	42.1	43.8	43.0	41.8	41.7	40.3	37.1	33.8	30.6	27.7	26.0	24.4	23.4	23.0
75.0	39.3	42.1	43.8	43.0	41.8	41.7	40.3	37.1	33.8	30.6	27.7	26.0	24.4	23.4	23.0
80.0	21.7	21.2	19.5	18.4	18.1	18.7	19.7	20.1	18.8	17.3	15.5	13.4	12.2	11.8	11.6
85.0	21.7	21.2	19.5	18.4	18.1	18.7	19.7	20.1	18.8	17.3	15.5	13.4	12.2	11.8	11.6
90.0	2.84	2.88	2.84	2.80	2.80	2.67	2.41	2.18	2.06	1.79	1.50	1.12	0.77	0.41	0.17

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 Temperature:25.3DEG
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Test Set: 5.0deg/s B-Beta (TYPE B)
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 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	0.23	0.22	0.21	0.21	0.20	0.17
-85.0	0.24	0.23	0.22	0.21	0.21	0.20	0.17
-80.0	5.56	4.22	2.80	1.55	0.27	0.18	0.16
-75.0	5.56	4.22	2.80	1.55	0.27	0.18	0.16
-70.0	13.5	11.6	8.89	6.59	3.78	0.53	0.35
-65.0	13.5	11.6	8.89	6.59	3.78	0.53	0.35
-60.0	22.9	20.3	17.2	14.4	9.61	2.42	0.23
-55.0	22.9	20.3	17.2	14.4	9.61	2.42	0.23
-50.0	35.8	33.4	29.4	23.8	15.5	3.65	0.63
-45.0	35.8	33.4	29.4	23.8	15.5	3.65	0.63
-40.0	51.2	48.3	43.3	35.9	26.3	7.12	0.35
-35.0	51.2	48.3	43.3	35.9	26.3	7.12	0.35
-30.0	62.6	58.5	51.4	44.3	30.3	7.84	0.81
-25.0	62.6	58.5	51.4	44.3	30.3	7.84	0.81
-20.0	73.0	66.8	58.7	51.3	38.6	15.7	0.47
-15.0	73.0	66.8	58.7	51.3	38.6	15.7	0.47
-10.0	81.6	73.5	63.1	55.0	39.9	14.3	0.86
-5.0	81.6	73.5	63.1	55.0	39.9	14.3	0.86
0.0	86.8	78.9	68.3	57.8	44.6	20.8	0.49
5.0	86.8	78.9	68.3	57.8	44.6	20.8	0.49
10.0	86.2	78.0	67.0	57.6	42.2	14.6	0.88
15.0	86.2	78.0	67.0	57.6	42.2	14.6	0.88
20.0	83.6	76.8	67.5	57.5	44.3	19.2	0.61
25.0	83.6	76.8	67.5	57.5	44.3	19.2	0.61
30.0	76.8	71.7	62.7	53.4	38.5	11.4	0.87
35.0	76.8	71.7	62.7	53.4	38.5	11.4	0.87
40.0	69.9	66.4	58.8	49.6	36.1	12.0	0.39
45.0	69.9	66.4	58.8	49.6	36.1	12.0	0.39
50.0	56.3	53.2	47.5	39.3	25.2	7.03	0.76
55.0	56.3	53.2	47.5	39.3	25.2	7.03	0.76
60.0	38.3	37.0	34.2	29.6	19.4	5.66	0.35
65.0	38.3	37.0	34.2	29.6	19.4	5.66	0.35
70.0	22.9	23.3	21.8	17.1	9.81	1.56	0.48
75.0	22.9	23.3	21.8	17.1	9.81	1.56	0.48
80.0	10.7	10.4	9.44	7.00	3.07	0.24	0.26
85.0	10.7	10.4	9.44	7.00	3.07	0.24	0.26
90.0	0.15	0.15	0.15	0.15	0.17	0.18	0.17

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: