

LAMP PHOTOMETRIC REPORT

MODEL:

POWER: 198W

VOLTAGE: 220V

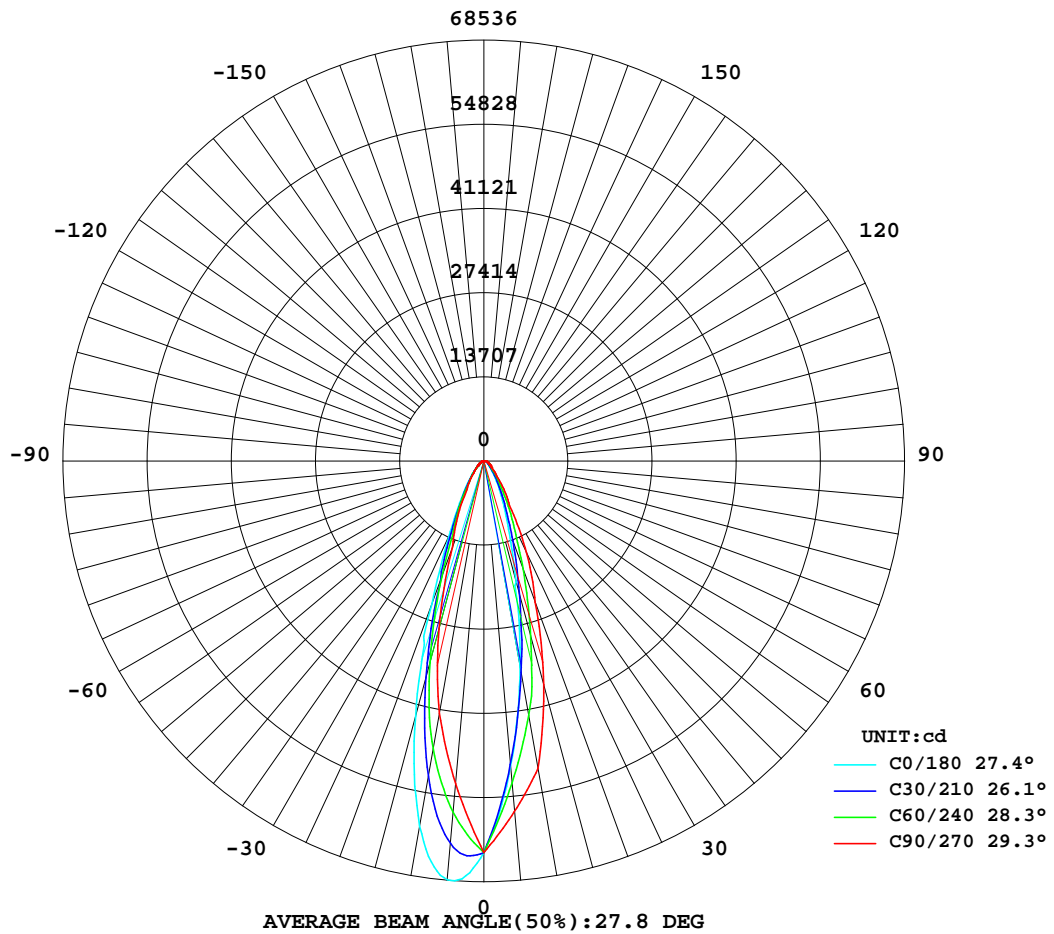
WORKING VOLTAGE: 219.3V

MANUFACTURER: LI TIAN

TOTAL FLUX: 25702 lm

Efficiency: 131.39 lm/W

Test: U: 219.5V I: 0.912A P: 195.6W PF: 0.977



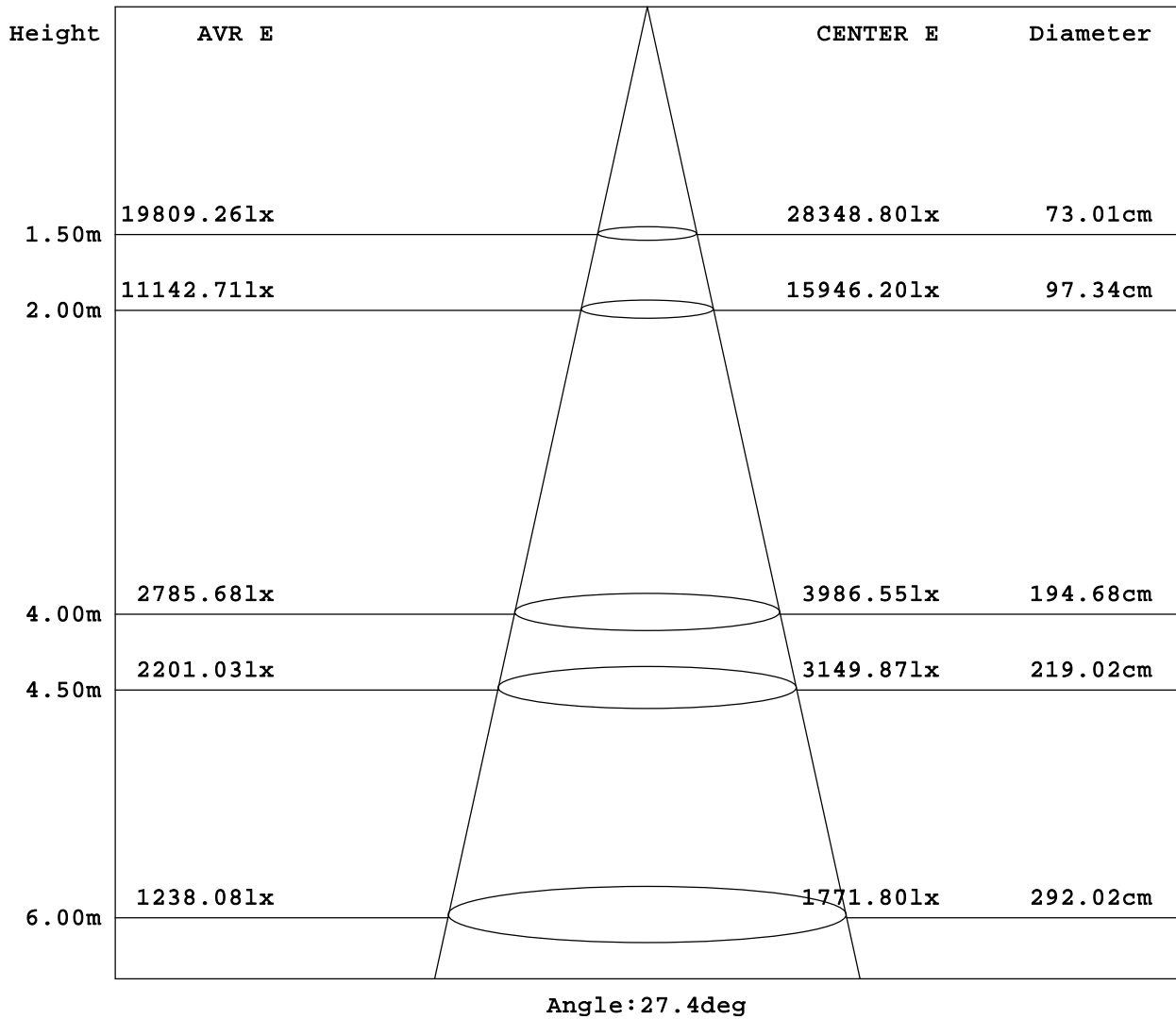
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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				
	5.63	6.94	8.22	9.48	10.8	12.4	14.0	15.5	16.6	16.6	15.9	14.7	13.1	11.4	9.88	8.46	7.15	5.83	203	0.00						
45																										
40	5.68	7.16	9.08	11.5	14.4	17.8	21.6	25.2	27.9	29.1	28.5	26.1	22.8	18.9	15.3	12.0	9.37	7.20	310	0.00						
35	6.04	7.70	9.99	12.9	16.7	21.0	25.9	30.5	33.9	35.7	34.9	32.0	27.8	22.8	18.1	14.0	10.7	8.10	369	0.00						
30	7.55	10.5	14.9	21.1	29.4	40.0	51.9	63.7	72.2	74.3	69.3	58.8	46.5	34.7	25.0	17.6	12.4	8.61	659	380						
25	8.36	12.0	17.4	25.3	35.8	49.5	64.8	80.1	91.1	93.7	86.9	73.1	57.0	41.8	29.4	20.3	13.9	9.36	810	573						
20	7.98	11.6	17.9	27.6	42.7	64.8	98.0	144	192	222	215	175	123	80.0	51.6	33.0	21.0	13.3	1542	1366						
15	8.31	12.3	19.6	31.1	49.4	76.6	119	180	244	285	277	225	156	99.6	63.2	39.7	24.7	15.4	1925	1764						
	10.4	17.1	27.3	44.3	72.7	124	210	318	418	459	415	304	181	100	57.0	34.0	20.6	12.2	2825	2676						
	11.5	19.5	31.4	51.6	86.0	150	259	395	518	566	507	366	211	112	61.4	35.7	21.3	12.2	3415	3274						
	8.91	13.6	22.2	36.0	59.3	99.4	174	297	426	528	539	448	301	159	83.8	47.3	27.7	17.0	3289	3149						
	8.50	12.6	20.9	34.1	56.6	94.8	169	304	449	577	608	518	355	186	95.4	53.0	30.6	19.0	3592	3450						
-15	9.88	15.5	24.3	37.9	59.0	92.0	143	214	272	296	259	183	105	67.8	43.4	27.7	17.7	10.9	1880	1707						
-20	10.1	16.1	24.9	38.3	58.3	88.2	129	183	216	213	161	91.2	38.2	36.4	29.5	21.0	14.2	8.82	1377	1158						
-25	6.87	9.40	12.9	18.5	25.9	34.1	41.9	47.2	54.2	60.3	64.4	64.0	58.7	46.3	34.1	23.8	16.4	11.0	631	307						
-30	5.73	7.06	8.50	10.8	12.5	10.5	5.03	0.66	0.00	0.00	1.21	7.62	26.4	31.4	27.6	20.9	15.3	10.6	202	0.00						
-35	6.51	8.45	10.9	13.9	17.8	21.8	25.3	27.5	27.7	26.1	24.1	22.1	19.9	17.0	13.9	11.1	8.61	6.56	310	0.00						
-40	6.14	7.61	9.31	10.6	11.8	12.1	10.1	6.01	2.67	0.94	0.55	0.83	1.81	3.24	4.59	5.47	5.22	4.69	104	0.00						
-45	4.96	5.88	6.85	7.85	8.86	9.90	11.0	12.0	13.0	13.7	13.7	13.3	12.5	11.3	9.98	8.54	7.13	5.83	177	0.00						
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)										10	15	20	25	30	35	40	45
Φ t	139	202	297	444	669	1019	1574	2345	3074	3494	3322	2624	1758	1081	674	434	285	187	25702							
Φ a	0.00	0.00	0.00	60.1	422	816	1414	2207	2940	3361	3189	2488	1566	835	414	92.6	0.00	0.00		18944						

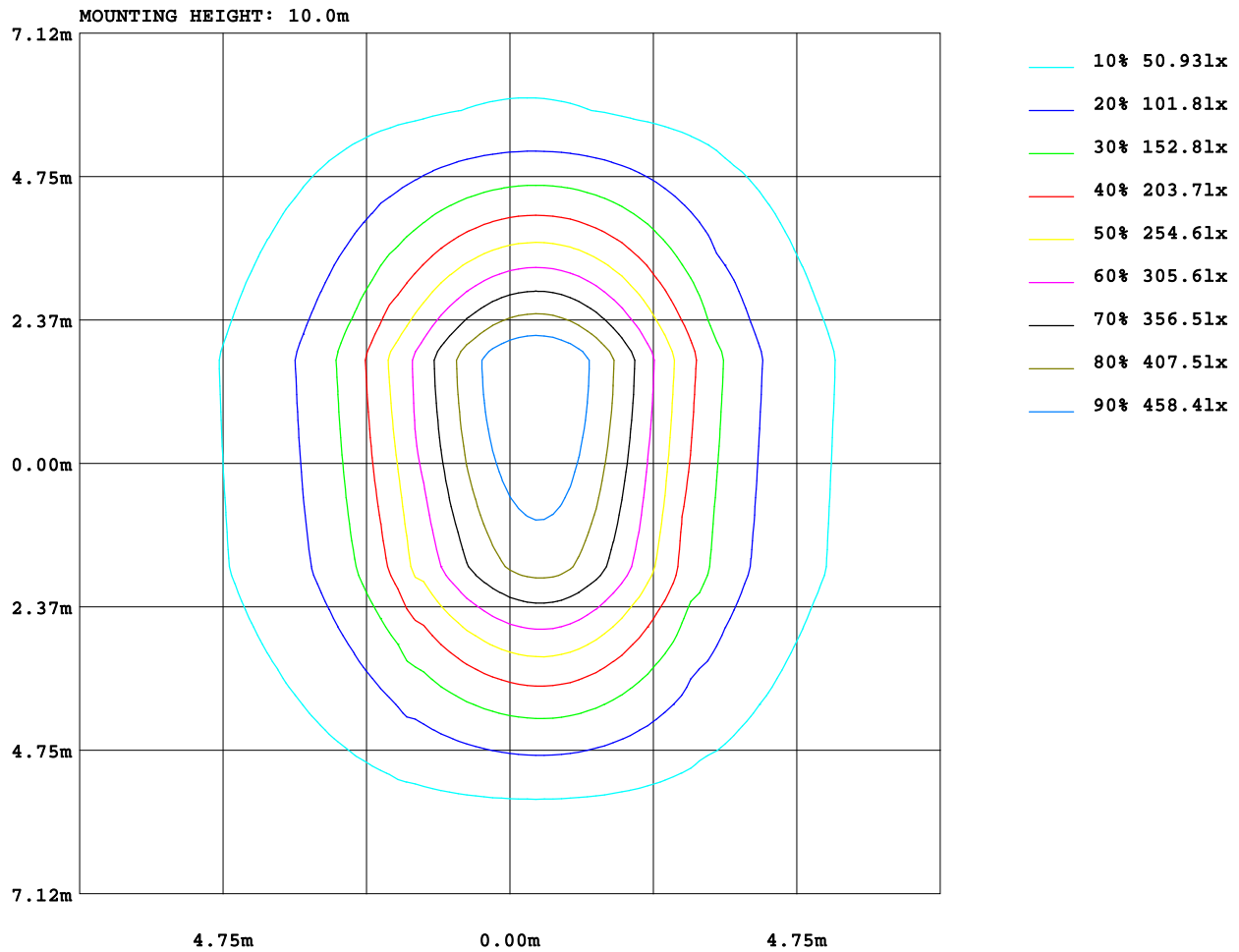
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2017年07月26日

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.:



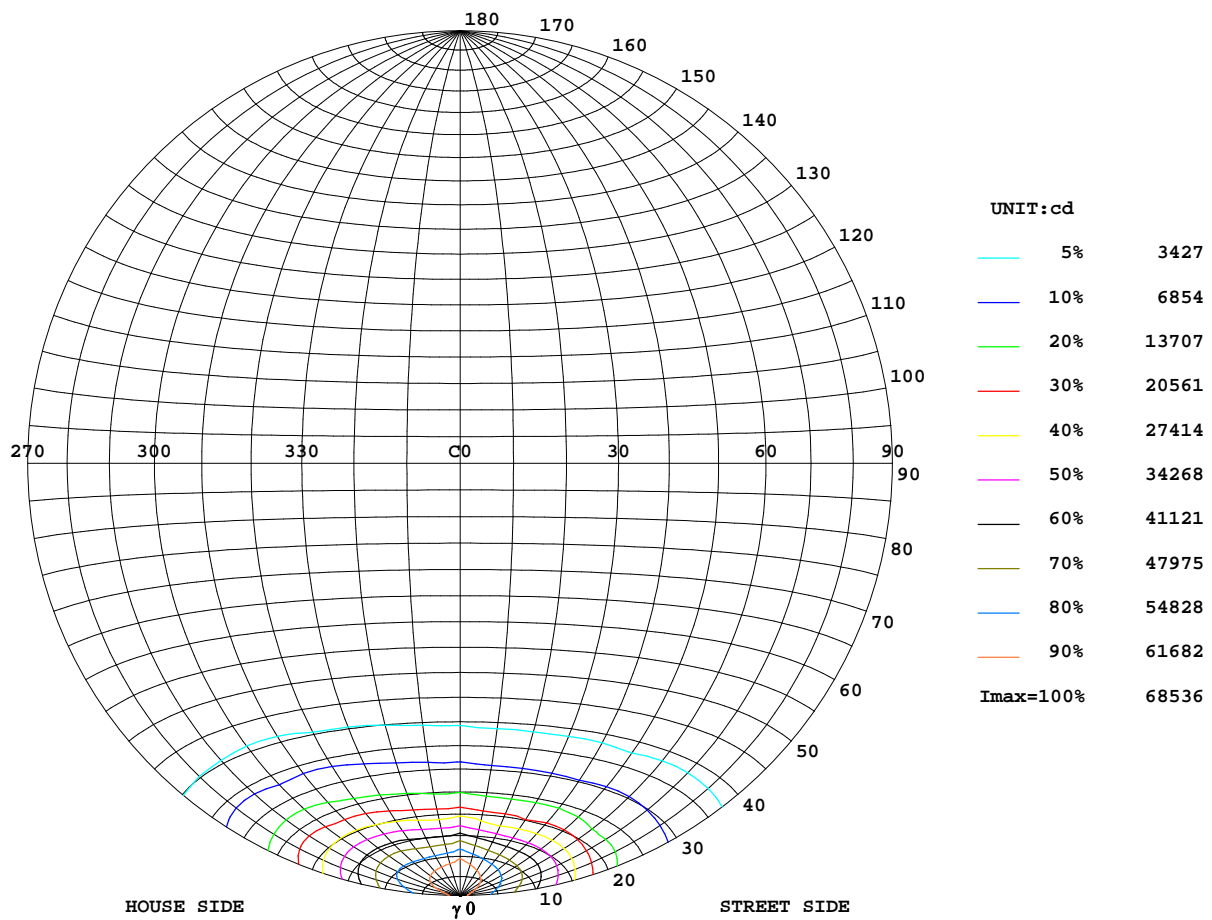
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Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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

Report number:

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



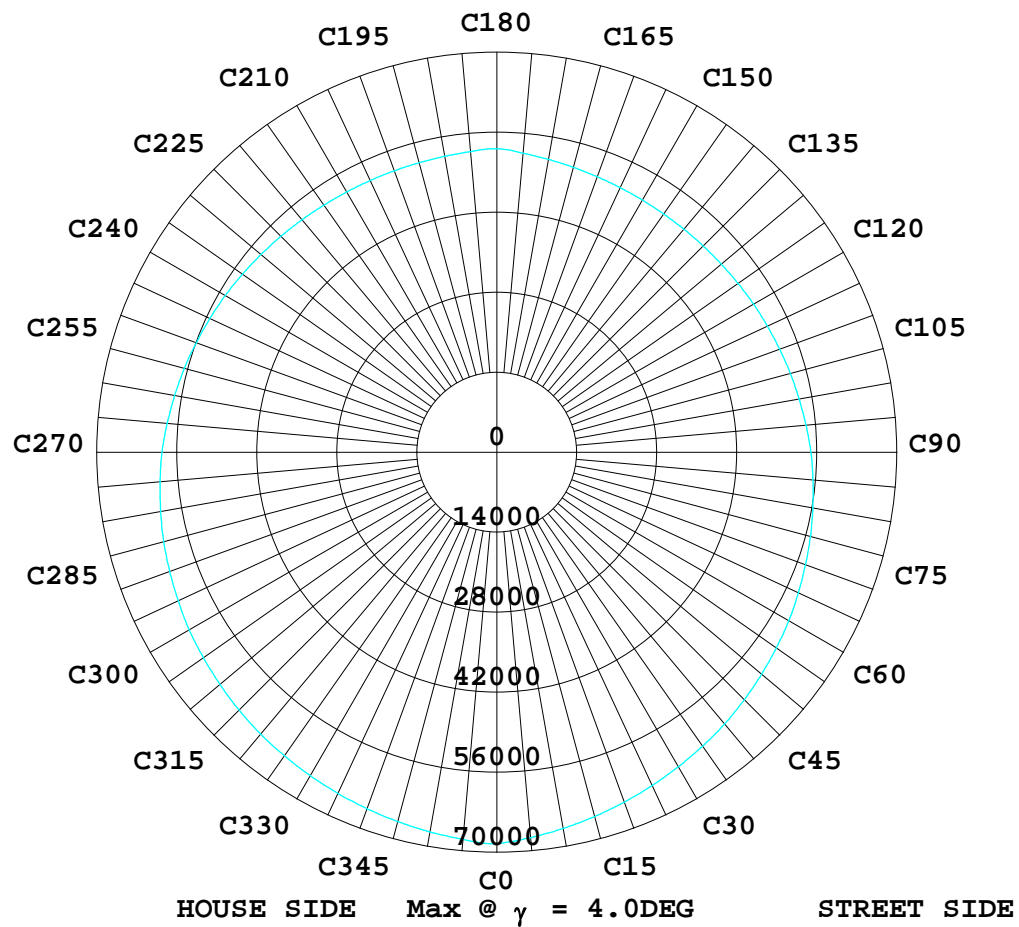
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2017年07月26日

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

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
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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
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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	0.24	0.26	0.28	0.26	0.26	0.26	0.28	0.32	0.66	1.84	3.20	4.80	6.41	7.17	7.90
-85.0	0.24	0.26	0.28	0.26	0.26	0.26	0.28	0.32	0.66	1.84	3.20	4.80	6.41	7.17	7.90
-80.0	0.41	0.52	0.65	5.50	12.3	17.8	23.4	27.0	29.2	30.8	32.6	34.2	34.7	34.6	34.1
-75.0	0.41	0.52	0.65	5.50	12.3	17.8	23.4	27.0	29.2	30.8	32.6	34.2	34.7	34.6	34.1
-70.0	0.25	0.31	10.8	21.6	27.8	31.4	34.7	38.1	41.2	43.8	45.3	47.0	50.3	52.8	52.3
-65.0	0.25	0.31	10.8	21.6	27.8	31.4	34.7	38.1	41.2	43.8	45.3	47.0	50.3	52.8	52.3
-60.0	0.63	0.89	12.2	26.5	32.1	37.5	44.2	49.5	53.7	57.5	62.8	69.3	74.1	77.3	79.7
-55.0	0.63	0.89	12.2	26.5	32.1	37.5	44.2	49.5	53.7	57.5	62.8	69.3	74.1	77.3	79.7
-50.0	0.31	4.78	23.9	32.3	39.6	47.2	54.9	61.6	68.7	75.8	84.6	94.7	102	108	115
-45.0	0.31	4.78	23.9	32.3	39.6	47.2	54.9	61.6	68.7	75.8	84.6	94.7	102	108	115
-40.0	0.67	1.55	17.1	33.4	42.2	50.4	59.0	68.3	77.0	88.4	100	115	130	149	171
-35.0	0.67	1.55	17.1	33.4	42.2	50.4	59.0	68.3	77.0	88.4	100	115	130	149	171
-30.0	0.30	6.96	31.0	39.5	48.2	57.3	67.9	78.6	92.4	109	132	164	206	261	329
-25.0	0.30	6.96	31.0	39.5	48.2	57.3	67.9	78.6	92.4	109	132	164	206	261	329
-20.0	0.74	2.27	29.0	38.1	47.8	57.3	67.9	81.1	96.6	118	150	204	279	390	544
-15.0	0.74	2.27	29.0	38.1	47.8	57.3	67.9	81.1	96.6	118	150	204	279	390	544
-10.0	0.32	5.89	33.6	42.5	52.2	62.5	75.9	90.6	114	148	206	304	455	681	1031
-5.0	0.32	5.89	33.6	42.5	52.2	62.5	75.9	90.6	114	148	206	304	455	681	1031
0.0	0.75	2.31	30.4	39.7	50.1	59.7	72.1	89.8	107	139	191	289	436	679	1086
5.0	0.75	2.31	30.4	39.7	50.1	59.7	72.1	89.8	107	139	191	289	436	679	1086
10.0	0.33	6.95	34.2	42.7	52.2	62.5	76.8	91.6	115	151	211	318	484	743	1175
15.0	0.33	6.95	34.2	42.7	52.2	62.5	76.8	91.6	115	151	211	318	484	743	1175
20.0	0.76	2.51	29.1	38.5	48.4	57.1	67.8	82.7	98.0	122	159	216	317	461	674
25.0	0.76	2.51	29.1	38.5	48.4	57.1	67.8	82.7	98.0	122	159	216	317	461	674
30.0	0.32	6.71	31.5	40.0	49.1	57.1	67.6	80.2	95.0	115	142	185	244	322	425
35.0	0.32	6.71	31.5	40.0	49.1	57.1	67.6	80.2	95.0	115	142	185	244	322	425
40.0	0.69	1.42	15.5	35.0	43.2	51.2	58.7	68.4	78.6	91.2	105	124	146	174	207
45.0	0.69	1.42	15.5	35.0	43.2	51.2	58.7	68.4	78.6	91.2	105	124	146	174	207
50.0	0.32	4.37	26.0	34.1	41.3	48.7	55.9	63.4	71.1	79.6	91.0	101	111	121	132
55.0	0.32	4.37	26.0	34.1	41.3	48.7	55.9	63.4	71.1	79.6	91.0	101	111	121	132
60.0	0.63	0.90	12.6	28.2	34.1	40.3	47.3	52.9	57.6	62.6	68.3	74.3	80.3	86.0	90.3
65.0	0.63	0.90	12.6	28.2	34.1	40.3	47.3	52.9	57.6	62.6	68.3	74.3	80.3	86.0	90.3
70.0	0.30	0.43	13.5	24.6	29.9	34.5	39.1	44.5	47.6	49.0	51.3	54.8	59.5	62.7	63.6
75.0	0.30	0.43	13.5	24.6	29.9	34.5	39.1	44.5	47.6	49.0	51.3	54.8	59.5	62.7	63.6
80.0	0.46	0.60	0.87	11.2	18.0	24.6	28.7	32.2	34.6	36.2	37.5	38.4	38.6	39.0	40.1
85.0	0.46	0.60	0.87	11.2	18.0	24.6	28.7	32.2	34.6	36.2	37.5	38.4	38.6	39.0	40.1
90.0	0.25	0.25	0.25	0.25	0.26	0.30	0.30	0.29	0.50	0.96	1.47	2.20	2.86	3.32	3.80

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	7.58	6.46	5.13	4.12	4.99	5.72	6.15	5.21	4.12	3.04	2.34	1.69	0.97	0.44	0.35
-85.0	7.58	6.46	5.13	4.12	4.99	5.72	6.15	5.21	4.12	3.04	2.34	1.69	0.97	0.44	0.35
-80.0	33.4	31.7	29.8	30.4	30.6	31.1	32.8	34.2	35.2	36.0	36.5	35.7	34.4	32.2	30.9
-75.0	33.4	31.7	29.8	30.4	30.6	31.1	32.8	34.2	35.2	36.0	36.5	35.7	34.4	32.2	30.9
-70.0	49.7	47.3	46.6	46.7	46.3	46.9	48.9	50.6	50.1	46.8	42.3	40.1	39.2	38.6	38.0
-65.0	49.7	47.3	46.6	46.7	46.3	46.9	48.9	50.6	50.1	46.8	42.3	40.1	39.2	38.6	38.0
-60.0	81.1	82.2	85.0	90.4	89.0	83.5	81.5	80.7	78.9	75.5	70.6	63.6	56.2	49.7	44.4
-55.0	81.1	82.2	85.0	90.4	89.0	83.5	81.5	80.7	78.9	75.5	70.6	63.6	56.2	49.7	44.4
-50.0	122	130	138	141	139	134	127	119	112	105	96.9	86.0	74.1	64.2	55.1
-45.0	122	130	138	141	139	134	127	119	112	105	96.9	86.0	74.1	64.2	55.1
-40.0	195	219	241	257	260	251	234	211	186	161	139	119	101	86.5	71.8
-35.0	195	219	241	257	260	251	234	211	186	161	139	119	101	86.5	71.8
-30.0	406	481	543	578	574	532	464	386	310	244	193	150	119	96.7	79.7
-25.0	406	481	543	578	574	532	464	386	310	244	193	150	119	96.7	79.7
-20.0	736	977	1244	1463	1541	1423	1173	892	649	466	330	235	169	126	96.9
-15.0	736	977	1244	1463	1541	1423	1173	892	649	466	330	235	169	126	96.9
-10.0	1613	2502	3511	4292	4398	3649	2475	1512	930	595	392	260	177	129	96.4
-5.0	1613	2502	3511	4292	4398	3649	2475	1512	930	595	392	260	177	129	96.4
0.0	1811	3094	4700	6138	6854	6274	4703	3022	1508	879	543	347	225	155	112
5.0	1811	3094	4700	6138	6854	6274	4703	3022	1508	879	543	347	225	155	112
10.0	1955	3072	4310	5209	5252	4370	2962	1748	1026	639	414	272	182	132	97.5
15.0	1955	3072	4310	5209	5252	4370	2962	1748	1026	639	414	272	182	132	97.5
20.0	972	1409	1947	2388	2538	2273	1749	1212	818	557	380	263	183	133	101
25.0	972	1409	1947	2388	2538	2273	1749	1212	818	557	380	263	183	133	101
30.0	548	675	787	849	838	756	633	505	387	292	220	168	129	103	83.3
35.0	548	675	787	849	838	756	633	505	387	292	220	168	129	103	83.3
40.0	244	282	315	337	341	326	298	262	223	188	158	131	110	92.3	76.7
45.0	244	282	315	337	341	326	298	262	223	188	158	131	110	92.3	76.7
50.0	143	154	164	170	168	160	149	138	126	115	105	94.3	81.7	69.6	59.2
55.0	143	154	164	170	168	160	149	138	126	115	105	94.3	81.7	69.6	59.2
60.0	93.4	96.0	98.4	102	104	98.5	94.1	91.5	88.5	84.3	78.5	71.5	63.7	55.7	48.7
65.0	93.4	96.0	98.4	102	104	98.5	94.1	91.5	88.5	84.3	78.5	71.5	63.7	55.7	48.7
70.0	62.4	59.7	57.9	58.3	57.5	56.3	57.1	58.7	58.5	56.1	51.5	45.9	41.5	39.0	37.9
75.0	62.4	59.7	57.9	58.3	57.5	56.3	57.1	58.7	58.5	56.1	51.5	45.9	41.5	39.0	37.9
80.0	39.9	37.3	34.8	33.2	32.9	33.7	35.3	36.9	38.0	36.9	35.9	35.6	35.9	36.0	35.7
85.0	39.9	37.3	34.8	33.2	32.9	33.7	35.3	36.9	38.0	36.9	35.9	35.6	35.9	36.0	35.7
90.0	3.96	4.07	4.13	4.34	4.09	3.95	4.02	3.73	3.61	3.18	2.59	1.86	1.04	0.54	0.26

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	0.29	0.25	0.24	0.22	0.22	0.21	0.15
-85.0	0.29	0.25	0.24	0.22	0.22	0.21	0.15
-80.0	28.8	22.2	14.5	6.76	1.34	0.22	0.19
-75.0	28.8	22.2	14.5	6.76	1.34	0.22	0.19
-70.0	37.3	35.0	32.0	20.9	10.3	0.90	0.52
-65.0	37.3	35.0	32.0	20.9	10.3	0.90	0.52
-60.0	40.3	38.4	36.2	33.9	28.7	7.75	0.33
-55.0	40.3	38.4	36.2	33.9	28.7	7.75	0.33
-50.0	46.7	39.8	37.4	35.4	29.8	5.89	0.65
-45.0	46.7	39.8	37.4	35.4	29.8	5.89	0.65
-40.0	60.0	48.8	39.4	36.3	33.6	17.8	0.75
-35.0	60.0	48.8	39.4	36.3	33.6	17.8	0.75
-30.0	64.0	50.9	40.9	36.9	34.9	9.98	0.67
-25.0	64.0	50.9	40.9	36.9	34.9	9.98	0.67
-20.0	78.6	60.9	47.5	37.9	34.6	30.4	1.01
-15.0	78.6	60.9	47.5	37.9	34.6	30.4	1.01
-10.0	79.1	59.5	46.0	37.0	35.4	9.23	0.46
-5.0	79.1	59.5	46.0	37.0	35.4	9.23	0.46
0.0	87.1	67.3	51.1	39.6	34.6	30.6	1.11
5.0	87.1	67.3	51.1	39.6	34.6	30.6	1.11
10.0	79.2	59.7	46.1	36.8	34.7	11.9	0.49
15.0	79.2	59.7	46.1	36.8	34.7	11.9	0.49
20.0	80.1	62.5	48.3	38.2	34.1	30.5	1.35
25.0	80.1	62.5	48.3	38.2	34.1	30.5	1.35
30.0	66.7	52.9	41.8	35.9	33.6	14.0	0.69
35.0	66.7	52.9	41.8	35.9	33.6	14.0	0.69
40.0	63.3	51.3	40.9	35.3	33.0	22.7	0.96
45.0	63.3	51.3	40.9	35.3	33.0	22.7	0.96
50.0	49.9	41.3	36.3	34.0	31.0	9.43	0.67
55.0	49.9	41.3	36.3	34.0	31.0	9.43	0.67
60.0	42.5	37.7	35.1	32.8	29.7	12.8	0.35
65.0	42.5	37.7	35.1	32.8	29.7	12.8	0.35
70.0	36.3	35.2	33.4	29.4	18.3	2.66	0.60
75.0	36.3	35.2	33.4	29.4	18.3	2.66	0.60
80.0	34.2	33.1	27.8	19.3	8.90	0.32	0.29
85.0	34.2	33.1	27.8	19.3	8.90	0.32	0.29
90.0	0.24	0.22	0.20	0.20	0.20	0.20	0.19

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: