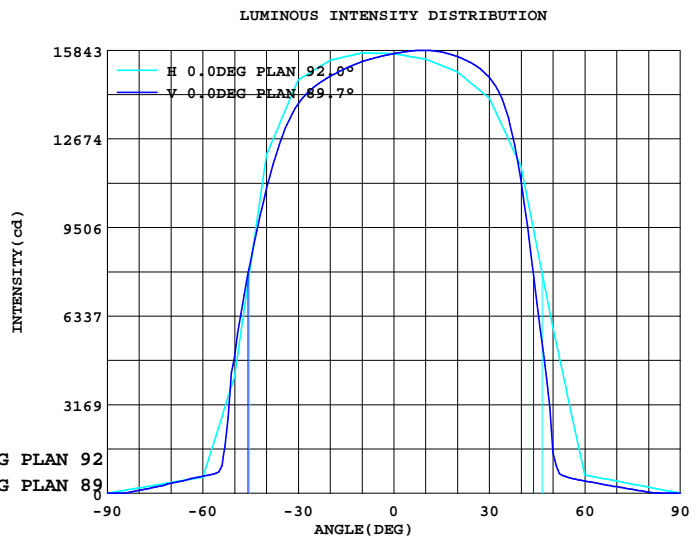
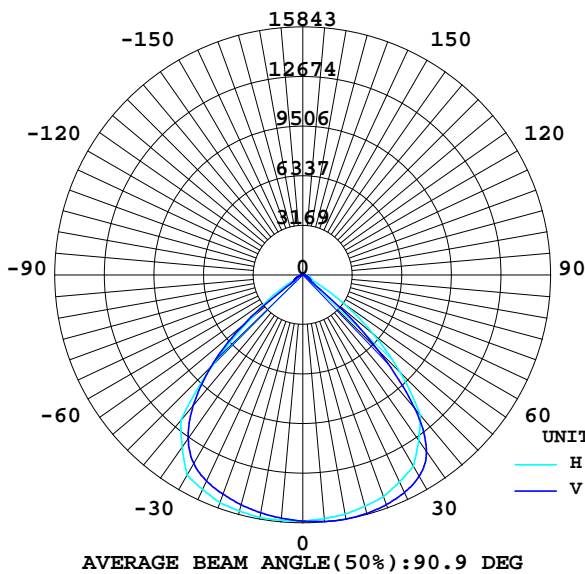


## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: LTOK-200W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	192	Imax(cd):	15843	Voltage(V)	219.5
RATED VOLTAGE(V):	220	AVAILABILITY(%):	95.3	Current(A)	0.879
NOMINAL FLUX(lm):	29536	Avail. FLUX(lm):	28144	Power(W)	190.6
TEST FLUX(lm):	29536	EFFICIENCY(%):	100.0	Power Factor(PF)	0.987
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	29536	EFFICIENCY(lm/W)	155.0
Effective Flux(lm) :	28143.9	$\theta$ @50%(H, V):	90.4,89.7DEG	EEL:	0.092



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年11月18日

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

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## Color Temperature Data List

Report number:

MANUFACTURER: LI TIAN	Address:	
NAME: L TOK-200W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

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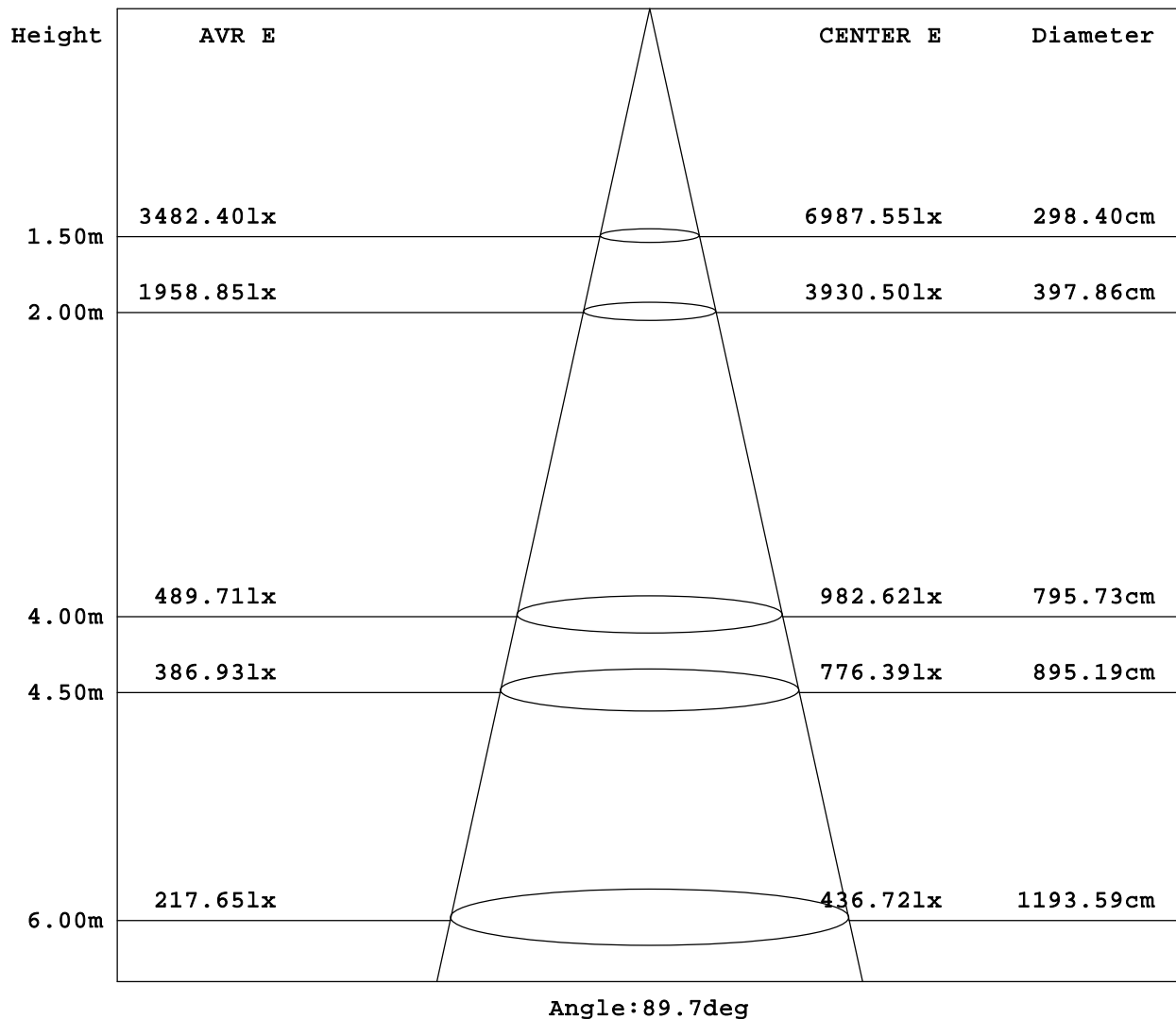
Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2018年11月18日

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: LTOK-200W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年11月18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: LTOK-200W	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm			Φ t	Φ a				
	0.04	0.23	0.69	1.45	1.81	1.41	1.17	0.60	0.36	0.38	0.76	1.30	1.43	1.49	1.34	0.71	0.26	0.04	15.5	0.00						
90																										
80	0.10	0.63	1.92	4.20	5.71	4.62	4.07	4.08	4.21	4.26	4.39	4.48	4.42	4.73	3.94	2.01	0.71	0.11	58.6	0.00						
70	0.15	1.00	3.00	6.69	10.3	10.8	9.87	9.77	10.1	10.1	9.93	9.48	9.09	8.94	6.47	3.21	1.13	0.17	120	0.00						
60	0.20	1.34	3.85	8.60	15.1	21.7	23.1	19.8	19.3	19.2	18.8	20.6	19.7	14.2	8.63	4.24	1.52	0.23	221	0.00						
50	0.24	1.65	4.50	9.71	20.3	44.7	93.9	155	198	196	154	98.3	52.0	21.2	10.3	5.06	1.87	0.28	1067	948						
40	0.28	1.91	5.07	11.1	36.6	142	274	365	405	400	354	270	158	48.7	14.6	5.76	2.17	0.32	2496	2432						
30	0.31	2.11	5.58	17.4	83.5	253	375	437	463	459	425	359	255	109	27.4	6.35	2.41	0.35	3279	3235						
	0.33	2.26	5.97	30.1	141	315	410	457	477	474	447	393	303	161	44.7	6.80	2.58	0.38	3669	3639						
	0.35	2.35	6.22	40.4	173	335	418	460	479	476	451	403	321	187	56.6	7.07	2.67	0.39	3819	3791						
	0.35	2.37	6.31	41.1	172	330	413	455	473	469	445	398	318	187	57.3	7.12	2.68	0.39	3777	3749						
	0.34	2.33	6.25	32.8	143	304	394	441	460	457	431	379	295	163	46.8	6.96	2.61	0.38	3566	3536						
-30	0.32	2.22	6.10	21.7	93.8	251	355	414	438	433	401	341	250	115	30.0	6.58	2.46	0.36	3164	3126						
-40	0.29	2.05	5.94	14.6	43.6	154	271	347	380	375	337	267	168	56.7	16.0	5.99	2.24	0.33	2447	2384						
-50	0.25	1.83	5.60	11.7	21.0	52.1	118	197	240	238	197	128	65.2	21.3	10.1	5.20	1.94	0.28	1314	1216						
-60	0.21	1.54	4.84	9.47	13.3	17.2	20.9	30.7	42.3	43.5	34.8	26.0	20.0	12.9	8.12	4.25	1.58	0.23	292	83.4						
-70	0.16	1.18	3.68	6.66	8.05	9.04	11.2	13.2	14.5	14.8	14.1	12.7	10.6	8.43	5.95	3.16	1.17	0.17	139	0.00						
-80	0.10	0.75	2.29	3.87	4.35	4.73	5.12	5.91	6.65	6.90	6.72	6.19	5.67	4.87	3.59	1.95	0.73	0.11	70.5	0.00						
-90	0.04	0.27	0.80	1.29	1.42	1.54	1.45	0.97	0.86	1.02	1.35	1.78	1.84	1.61	1.22	0.69	0.26	0.04	18.5	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	4.05	28.0	78.6	273	989	2253	3199	3813	4112	4076	3733	3120	2258	1127	354	83.1	31.0	4.56	29536							
Φ a	0.00	0.00	0.00	133	856	2152	3115	3736	4038	4003	3657	3034	2167	1015	235	0.00	0.00	0.00		28144						

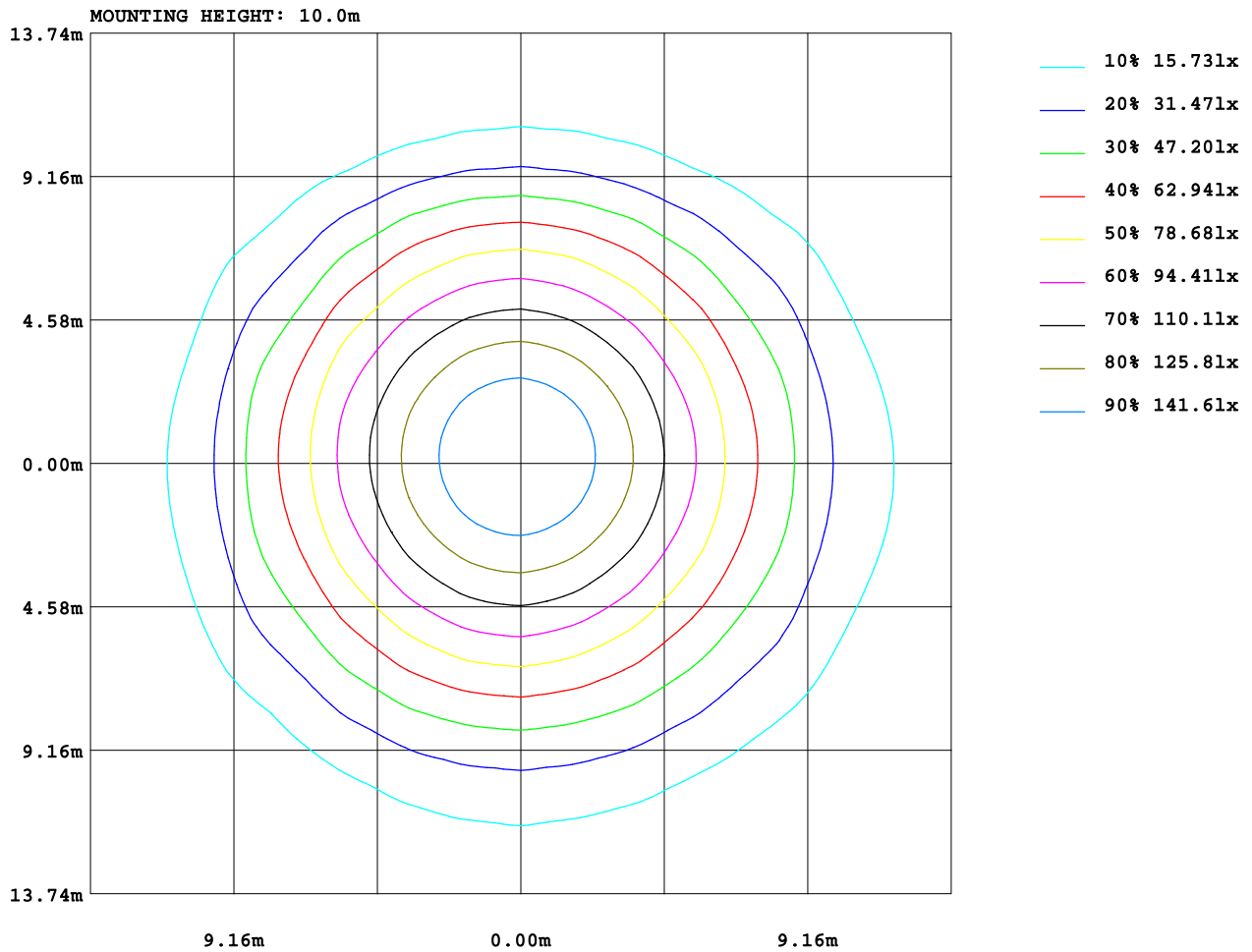
Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年11月18日

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: LTOK-200W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2018年11月18日

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

## Uncorrected UGR Table

Report number:

MANUFACTURER: LI TIAN						Address:				
NAME: LTOK-200W						TYPE:			WEIGHT:	
SPECIFICATION:						DIMENSION:			SERIAL No.:	
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	26.5	27.7	26.7	27.9	28.1	25.6	26.8	25.8	27.0	27.1
3H	26.4	27.5	26.7	27.7	27.9	25.5	26.6	25.7	26.8	27.0
4H	26.3	27.4	26.6	27.6	27.9	25.4	26.4	25.7	26.7	26.9
6H	26.3	27.3	26.6	27.6	27.8	25.3	26.3	25.6	26.6	26.8
8H	26.3	27.2	26.6	27.5	27.8	25.3	26.2	25.6	26.5	26.8
12H	26.3	27.2	26.6	27.5	27.7	25.2	26.1	25.6	26.4	26.7
4H 2H	26.3	27.3	26.6	27.5	27.8	25.4	26.4	25.7	26.7	26.9
3H	26.2	27.1	26.6	27.4	27.7	25.3	26.2	25.7	26.5	26.8
4H	26.2	27.1	26.6	27.4	27.7	25.3	26.1	25.7	26.4	26.7
6H	26.3	27.0	26.7	27.3	27.7	25.3	26.0	25.7	26.3	26.7
8H	26.3	26.9	26.7	27.3	27.7	25.2	25.9	25.6	26.3	26.6
12H	26.3	26.9	26.7	27.3	27.7	25.2	25.8	25.6	26.2	26.6
8H 4H	26.2	26.8	26.6	27.2	27.6	25.2	25.9	25.6	26.3	26.6
6H	26.2	26.8	26.7	27.2	27.6	25.2	25.8	25.7	26.2	26.6
8H	26.3	26.8	26.7	27.2	27.6	25.2	25.7	25.7	26.1	26.6
12H	26.3	26.7	26.8	27.2	27.6	25.2	25.6	25.7	26.0	26.5
12H 4H	26.1	26.7	26.5	27.1	27.5	25.2	25.8	25.6	26.2	26.6
6H	26.2	26.7	26.7	27.1	27.5	25.2	25.7	25.7	26.1	26.6
8H	26.3	26.7	26.7	27.1	27.6	25.2	25.6	25.7	26.1	26.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.8 / - 2.8					+ 2.3 / - 5.7				
1.5H	+ 1.1 / - 4.2					+ 1.6 / - 5.3				
2.0H	+ 4.1 / - 5.8					+ 5.3 / - 5.7				

CIE Pub.117 Corrected 29536 lm Total Lamp Luminous Flux.(8log(F/F0) = 11.8)

Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年11月18日

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