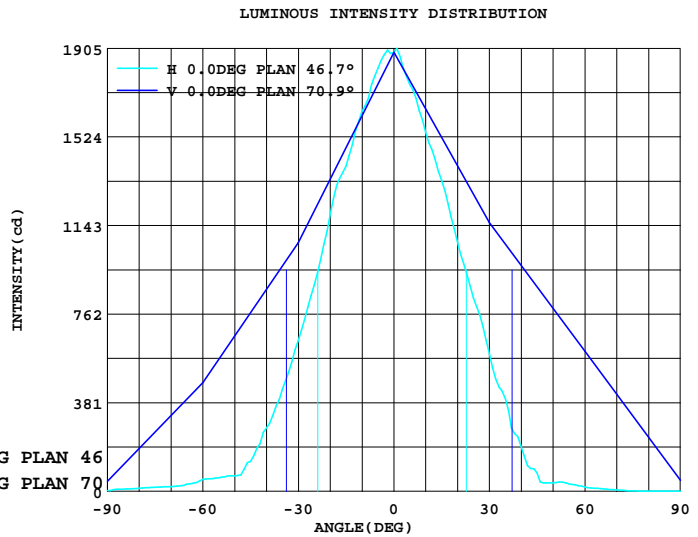
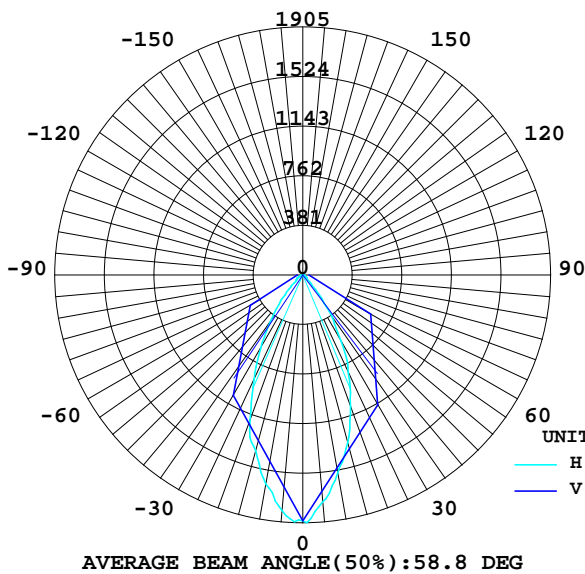


LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-ALP-20W-MA	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	20	Imax(cd):	1905	Voltage(V)	119.6
RATED VOLTAGE(V):	120	AVAILABILITY(%):	92.6	Current(A)	0.321
NOMINAL FLUX(lm):	2205	Avail. FLUX(lm):	2041	Power(W)	20.00
TEST FLUX(lm):	2205	EFFICIENCY(%):	100.0	Power Factor(PF)	0.519
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	2205	EFFICIENCY(lm/W)	110.2
Effective Flux(lm) :	2041.4	θ @50%(H, V):	46.7,70.1DEG	EEL:	0.133



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年07月27日

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

Color Temperature Data List

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-ALP-20W-MA	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

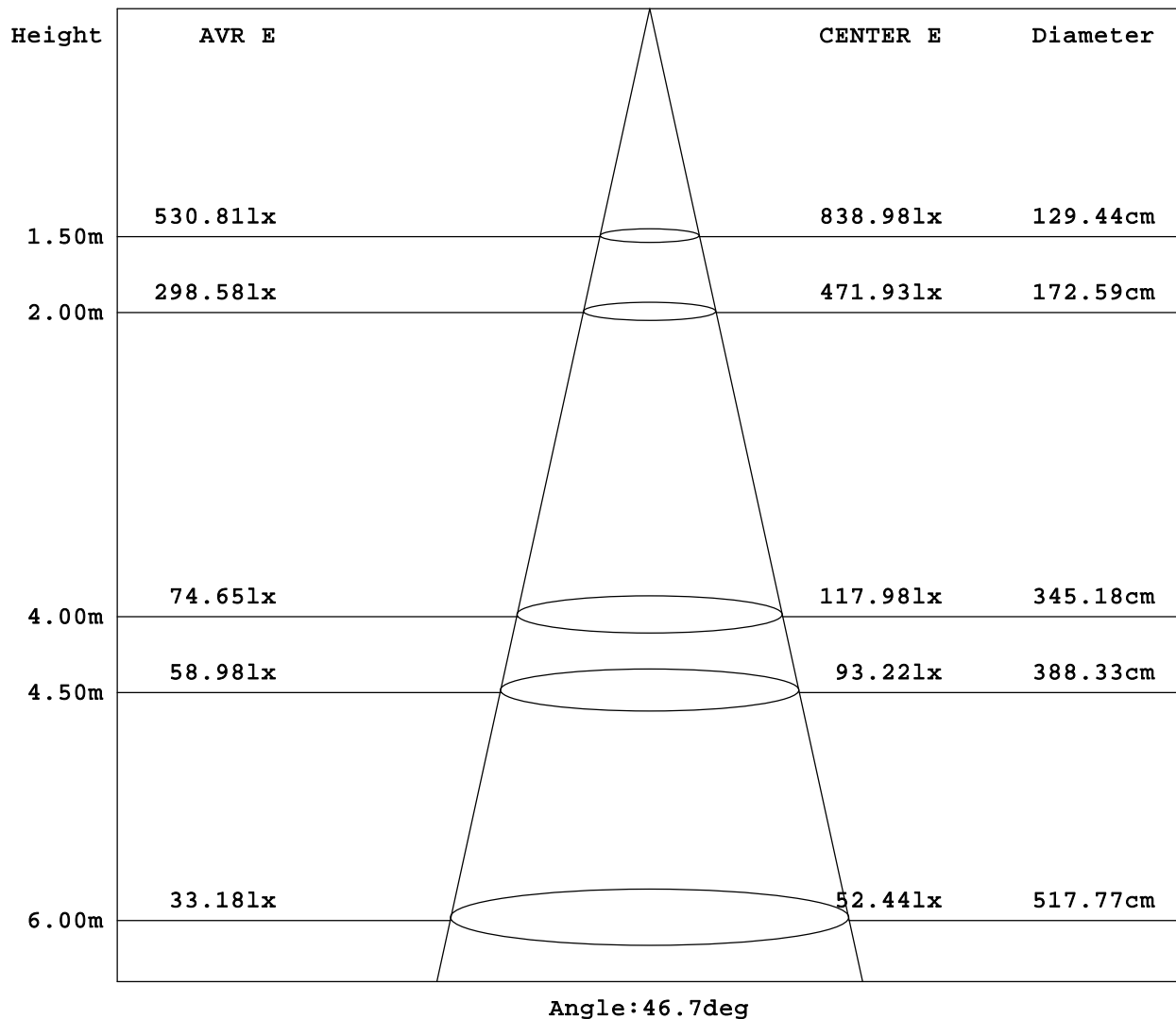
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年07月27日

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: LITIAN	Address:	
NAME: LT-ALP-20W-MA	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System: HOP00 HPG1900
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018年07月27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: LITIAN	Address:		
NAME: LT-ALP-20W-MA	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a				
	0.05	0.64	2.18	4.68	7.95	11.5	15.2	18.5	20.6	20.6	18.6	15.7	12.4	8.71	5.30	2.62	0.86	0.10	167	158						
90																										
80	0.12	1.78	6.33	13.7	23.4	34.3	44.9	53.7	59.1	59.5	55.0	47.1	37.0	26.1	15.9	7.86	2.56	0.29	489	488						
70	0.19	2.94	10.4	22.8	39.0	57.1	74.6	88.9	97.5	98.4	91.4	78.5	61.7	43.4	26.5	13.1	4.27	0.48	812	811						
60	0.02	0.12	0.27	0.49	1.25	5.35	11.0	17.8	21.2	19.1	13.2	6.26	1.08	0.32	0.15	0.04	0.00	0.00	98.0	91.1						
50	0.03	0.13	0.32	0.59	1.55	6.83	14.1	22.6	26.9	24.2	16.8	8.02	1.37	0.40	0.19	0.05	0.01	0.00	124	119						
40	0.03	0.15	0.37	0.69	1.86	8.31	17.1	27.5	32.6	29.4	20.5	9.77	1.66	0.48	0.23	0.06	0.01	0.00	151	145						
30	0.02	0.11	0.36	0.80	3.43	8.17	18.0	28.4	37.5	35.1	25.4	14.5	5.47	1.10	0.48	0.15	0.03	0.01	179	173						
	0.02	0.11	0.39	0.90	4.10	9.19	20.4	32.2	42.9	40.4	29.4	17.1	6.77	1.34	0.57	0.18	0.04	0.01	206	200						
	0.02	0.11	0.42	1.00	4.77	10.2	22.8	35.9	48.4	45.7	33.4	19.7	8.06	1.57	0.67	0.21	0.05	0.01	233	227						
	0.03	0.15	0.42	1.09	3.18	11.6	26.1	44.2	57.7	56.5	41.5	24.8	10.2	1.85	0.59	0.16	0.02	0.00	281	275						
	0.03	0.16	0.45	1.18	3.21	12.8	28.8	49.3	64.3	63.4	46.7	28.2	11.8	2.09	0.64	0.16	0.02	0.00	314	307						
-30	0.03	0.17	0.47	1.28	3.23	13.9	31.5	54.3	70.8	70.3	51.9	31.5	13.4	2.34	0.69	0.17	0.02	0.00	346	340						
-40	0.02	0.10	0.28	0.65	1.60	5.41	13.0	21.5	27.7	26.1	18.6	10.7	5.13	1.55	0.46	0.13	0.04	0.01	133	124						
-50	0.01	0.08	0.25	0.53	1.15	3.78	9.68	15.7	20.0	18.3	12.8	7.22	3.88	1.50	0.43	0.12	0.05	0.01	95.8	86.4						
-60	0.01	0.07	0.21	0.42	0.76	2.16	6.31	10.0	12.4	10.6	7.03	3.66	2.63	1.45	0.40	0.11	0.05	0.01	58.4	44.7						
-70	0.01	0.07	0.16	0.31	0.24	1.34	4.18	8.51	10.9	10.1	7.42	3.87	0.90	0.14	0.12	0.03	0.00	0.00	48.4	38.2						
-80	0.01	0.07	0.13	0.20	0.08	0.19	1.21	3.95	5.02	4.53	3.38	1.41	0.14	0.06	0.03	0.01	0.00	0.00	20.4	5.82						
-90	0.01	0.06	0.09	0.09	0.03	0.00	0.01	0.38	0.42	0.31	0.32	0.07	0.00	0.02	0.00	0.00	0.00	0.00	1.79	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)										20	30	40	50	60	70	80	90
Φ t	0.67	7.00	23.5	51.5	101	203	360	534	657	633	494	329	184	94.5	53.4	25.1	8.03	0.92	2205							
Φ a	0.00	4.28	18.2	40.7	81.3	193	353	531	653	630	488	318	168	79.1	47.2	22.9	6.97	0.36		2041						

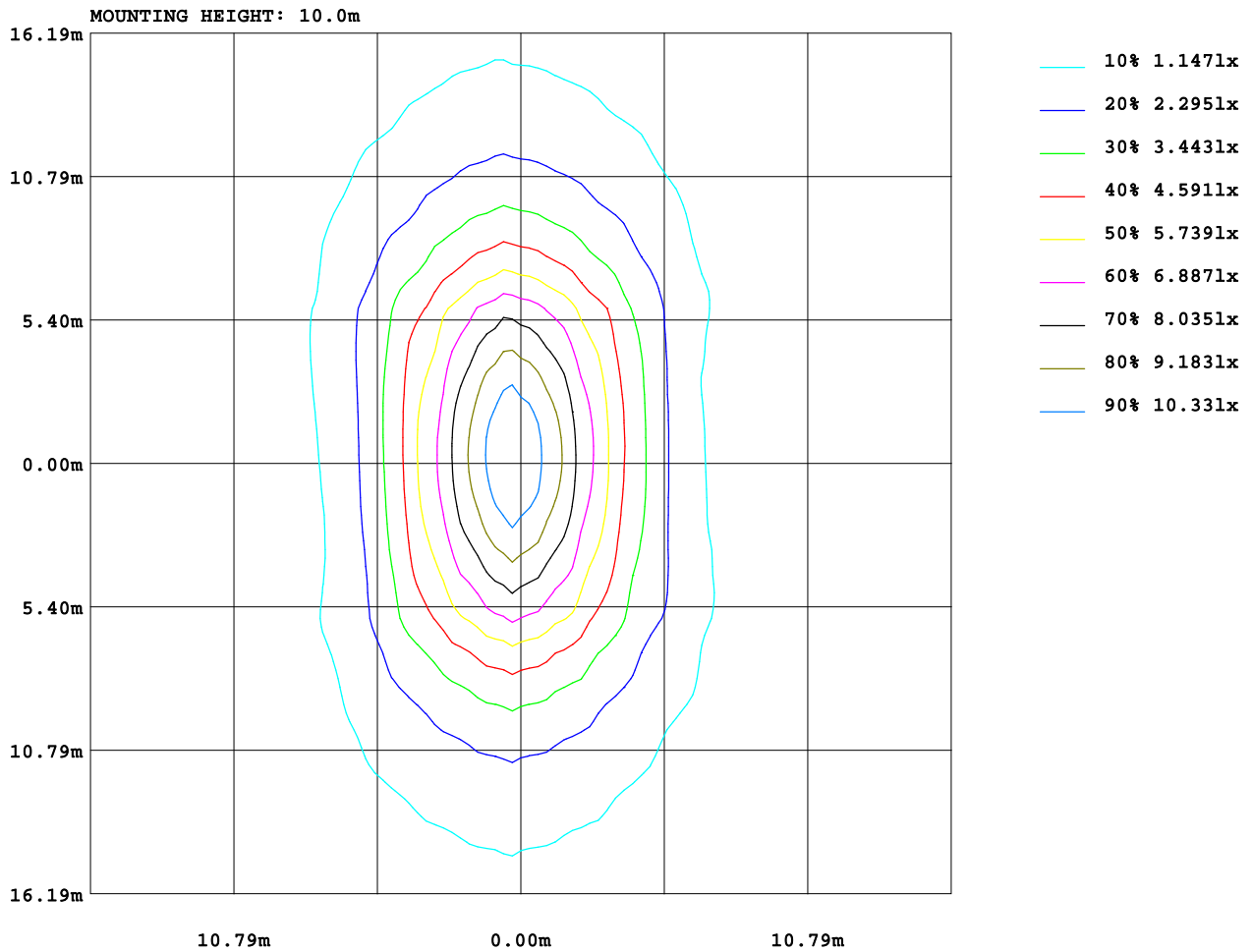
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年07月27日

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: LITIAN	Address:	
NAME: LT-ALP-20W-MA	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年07月27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: LITIAN						Address:				
NAME: LT-ALP-20W-MA						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	9.3	10.6	9.6	10.8	11.0	20.0	21.3	20.3	21.5	21.7
3H	9.2	10.4	9.5	10.6	10.8	22.0	23.2	22.3	23.4	23.6
4H	9.1	10.3	9.4	10.5	10.7	23.0	24.1	23.3	24.3	24.6
6H	9.1	10.1	9.4	10.4	10.6	24.0	25.0	24.3	25.3	25.5
8H	9.0	10.0	9.3	10.3	10.6	24.4	25.4	24.7	25.7	26.0
12H	9.0	9.9	9.3	10.2	10.5	24.8	25.8	25.2	26.1	26.4
4H 2H	10.7	11.8	11.0	12.1	12.3	19.8	20.9	20.1	21.2	21.4
3H	10.6	11.6	10.9	11.9	12.1	21.9	22.9	22.2	23.2	23.5
4H	10.5	11.4	10.9	11.7	12.0	23.1	24.0	23.4	24.3	24.6
6H	10.4	11.2	10.8	11.6	11.9	24.2	25.0	24.6	25.4	25.7
8H	10.4	11.1	10.8	11.5	11.9	24.8	25.6	25.2	25.9	26.3
12H	10.3	11.0	10.8	11.4	11.8	25.4	26.1	25.8	26.5	26.9
8H 4H	11.5	12.2	11.9	12.6	12.9	22.9	23.7	23.3	24.0	24.4
6H	11.4	12.0	11.8	12.4	12.8	24.2	24.8	24.6	25.2	25.6
8H	11.4	11.9	11.8	12.3	12.8	24.9	25.4	25.3	25.8	26.3
12H	11.3	11.8	11.8	12.2	12.7	25.6	26.0	26.0	26.5	27.0
12H 4H	11.9	12.6	12.3	13.0	13.4	22.9	23.6	23.3	23.9	24.3
6H	11.9	12.4	12.3	12.8	13.3	24.1	24.7	24.6	25.1	25.6
8H	11.8	12.3	12.3	12.8	13.2	24.8	25.3	25.3	25.7	26.2
Variations with the observer position at spacings:										
S = 1.0H	+ 1.5 / - 2.7					+ 0.2 / - 0.1				
1.5H	+ 1.6 / - 2.2					+ 0.6 / - 0.6				
2.0H	+ 2.2 / - 2.8					+ 1.1 / - 1.2				

CIE Pub.117 Corrected 2205 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.7)

Test System:HOP00 HPG1900
 Temperature:25.3DEG
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Test Set: 5.0deg/s B-Beta (TYPE B)
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