

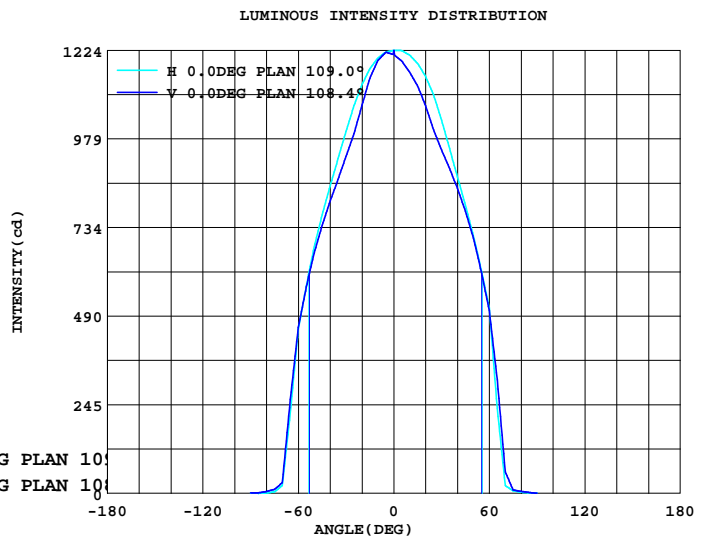
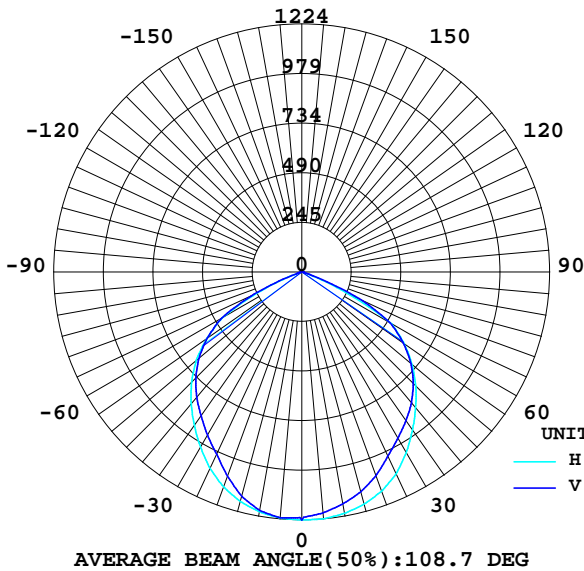
# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

MODEL:					
NOMINAL POWER(W):	32	Imax(cd):	1224	Voltage(V)	220.8
RATED VOLTAGE(V):	220	AVAILABILITY(%):	93.6	Current(A)	0.149
NOMINAL FLUX(lm):	3139	Avai. FLUX(lm):	2937	Power(W)	31.38
TEST FLUX(lm):	3139	EFFICIENCY(%):	95.7	Power Factor(PF)	0.950
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	3003	EFFICIENCY(lm/W)	95.7
Effective Flux(lm) :	2937.4	$\theta$ @50%(H, V):	109.0,108.4DEG	EEL:	0.146



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2014年09月04日

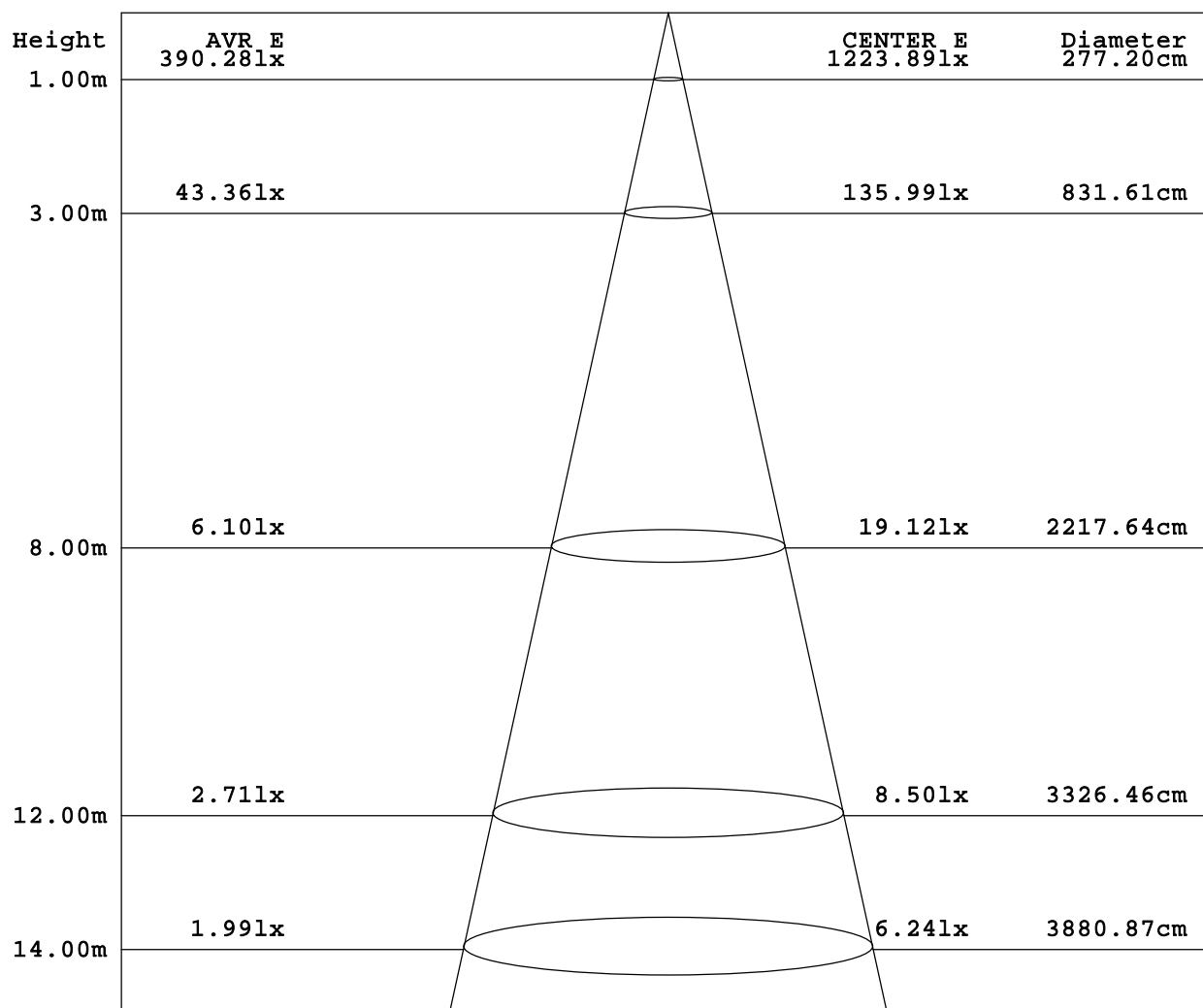
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:108.4deg

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2014年09月04日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
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 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AREA LUMINOUS FLUX

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a						
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90							
90	0.00	0.01	0.02	0.05	0.09	0.10	0.11	0.10	0.09	0.09	0.10	0.10	0.10	0.08	0.05	0.03	0.01	0.00	1.12	0.00						
80	0.00	0.01	0.05	0.13	0.28	0.48	0.83	0.98	0.81	0.77	0.90	0.74	0.42	0.25	0.13	0.05	0.02	0.00	6.83	0.00						
70	0.00	0.02	0.09	0.53	2.77	5.48	7.31	8.61	9.15	9.10	8.44	7.01	5.05	2.45	0.47	0.10	0.03	0.00	66.6	61.8						
60	0.00	0.03	0.29	2.68	7.14	11.1	14.4	16.9	18.2	18.2	16.8	14.2	10.9	6.89	2.44	0.27	0.04	0.00	141	139						
50	0.00	0.04	0.93	4.97	10.3	15.0	18.9	21.8	23.3	23.3	21.8	18.8	14.8	10.4	4.91	0.85	0.05	0.00	191	189						
40	0.00	0.06	1.68	7.06	12.8	18.0	22.6	25.8	27.2	27.2	25.8	22.5	18.0	13.0	7.31	1.62	0.07	0.01	231	230						
30	0.00	0.10	2.38	8.61	14.6	20.4	25.8	29.5	30.7	30.7	29.3	25.8	20.5	14.9	9.09	2.41	0.11	0.01	265	264						
20	0.00	0.11	2.91	9.55	15.8	22.1	28.0	32.2	34.0	33.9	32.1	28.2	22.4	16.2	10.1	3.06	0.12	0.01	292	291						
10	0.00	0.09	3.14	9.97	16.4	22.9	29.2	33.9	36.1	36.0	34.1	29.8	23.5	16.9	10.6	3.39	0.10	0.01	307	306						
0	0.00	0.08	3.12	9.95	16.4	23.0	29.3	34.1	36.5	36.7	34.5	30.0	23.5	16.9	10.6	3.38	0.10	0.01	309	308						
-10	0.00	0.10	2.83	9.48	15.8	22.2	28.4	32.8	34.6	34.6	33.0	28.7	22.5	16.2	10.1	3.02	0.12	0.01	295	294						
-20	0.00	0.08	2.25	8.46	14.5	20.4	26.1	29.7	30.6	30.7	29.7	26.1	20.6	14.9	8.99	2.35	0.10	0.00	266	265						
-30	0.00	0.05	1.49	6.80	12.6	17.9	22.5	25.5	26.6	26.6	25.5	22.5	18.0	12.9	7.13	1.57	0.06	0.00	228	227						
-40	0.00	0.03	0.75	4.56	9.90	14.6	18.5	21.2	22.3	22.3	21.2	18.5	14.7	10.1	4.70	0.81	0.04	0.00	185	183						
-50	0.00	0.02	0.21	2.18	6.39	10.3	13.5	15.9	17.0	17.0	15.9	13.5	10.3	6.52	2.34	0.24	0.03	0.00	132	130						
-60	0.00	0.01	0.06	0.37	2.14	4.47	6.16	7.35	7.79	7.81	7.42	6.30	4.70	2.32	0.41	0.07	0.02	0.00	57.4	51.0						
-70	0.00	0.00	0.02	0.07	0.16	0.32	0.60	0.71	0.57	0.59	0.76	0.64	0.34	0.17	0.08	0.03	0.01	0.00	5.05	0.00						
-80	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.07	0.06	0.05	0.03	0.01	0.01	0.01	0.01	0.00	0.46	0.00						
-90	0.00	0.00	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.07	0.06	0.05	0.03	0.01	0.01	0.01	0.01	0.00	0.46	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	0.02	0.84	22.2	85.5	159	229	293	338	356	356	338	294	231	162	89.7	23.2	1.01	0.08	3003							
Φ a	0.00	0.00	18.0	83.1	157	227	291	335	354	354	335	292	229	160	87.2	19.0	0.00	0.00		2937						

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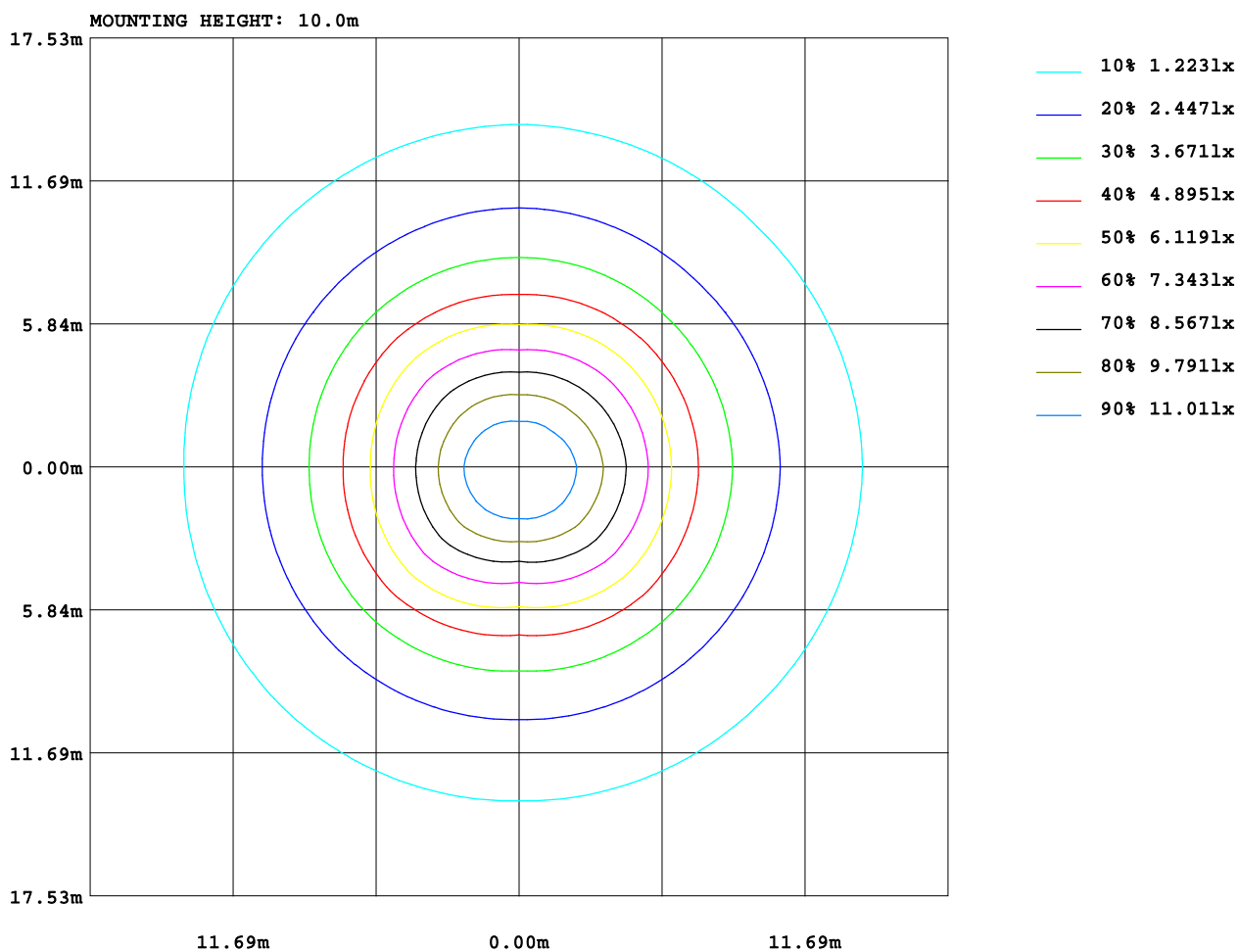
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 Remarks:

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## ISOLUX DIAGRAM

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