

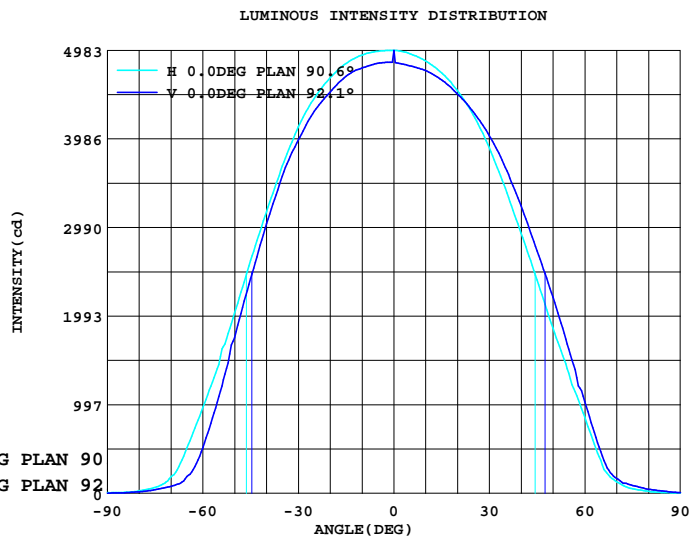
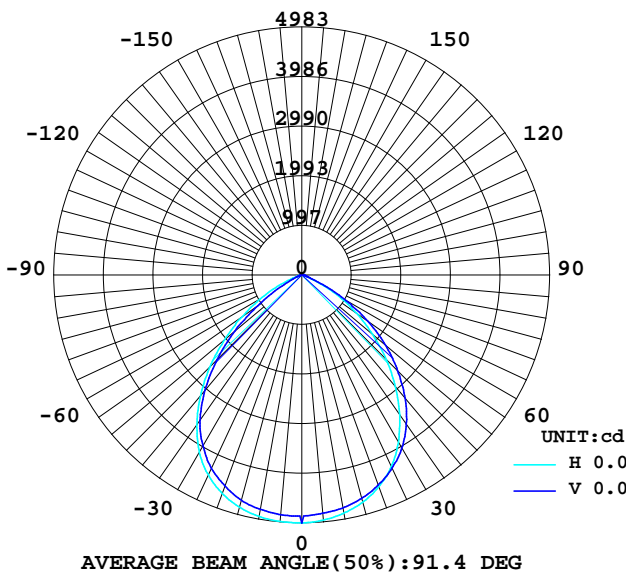
# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## 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>

<b>MODEL:</b>					
<b>NOMINAL POWER(W):</b>	104	<b>Imax(cd):</b>	4983	<b>Voltage(V)</b>	219.3
<b>RATED VOLTAGE(V):</b>	220	<b>AVAILABILITY(%):</b>	97.3	<b>Current(A)</b>	0.504
<b>NOMINAL FLUX(lm):</b>	9750	<b>Avai. FLUX(lm):</b>	9490	<b>Power(W)</b>	104.3
<b>TEST FLUX(lm):</b>	9750	<b>EFFICIENCY(%):</b>	100.0	<b>Power Factor(PF)</b>	0.943
<b>LAMPS QUANTITY :</b>	1	<b>TOTAL FLUX(lm):</b>	9750	<b>EFFICIENCY(lm/W)</b>	93.5
<b>Effective Flux(lm) :</b>	9489.7	<b>θ @50%(H, V):</b>	90.6,92.1DEG	<b>EEl:</b>	0.150



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2015年03月09日

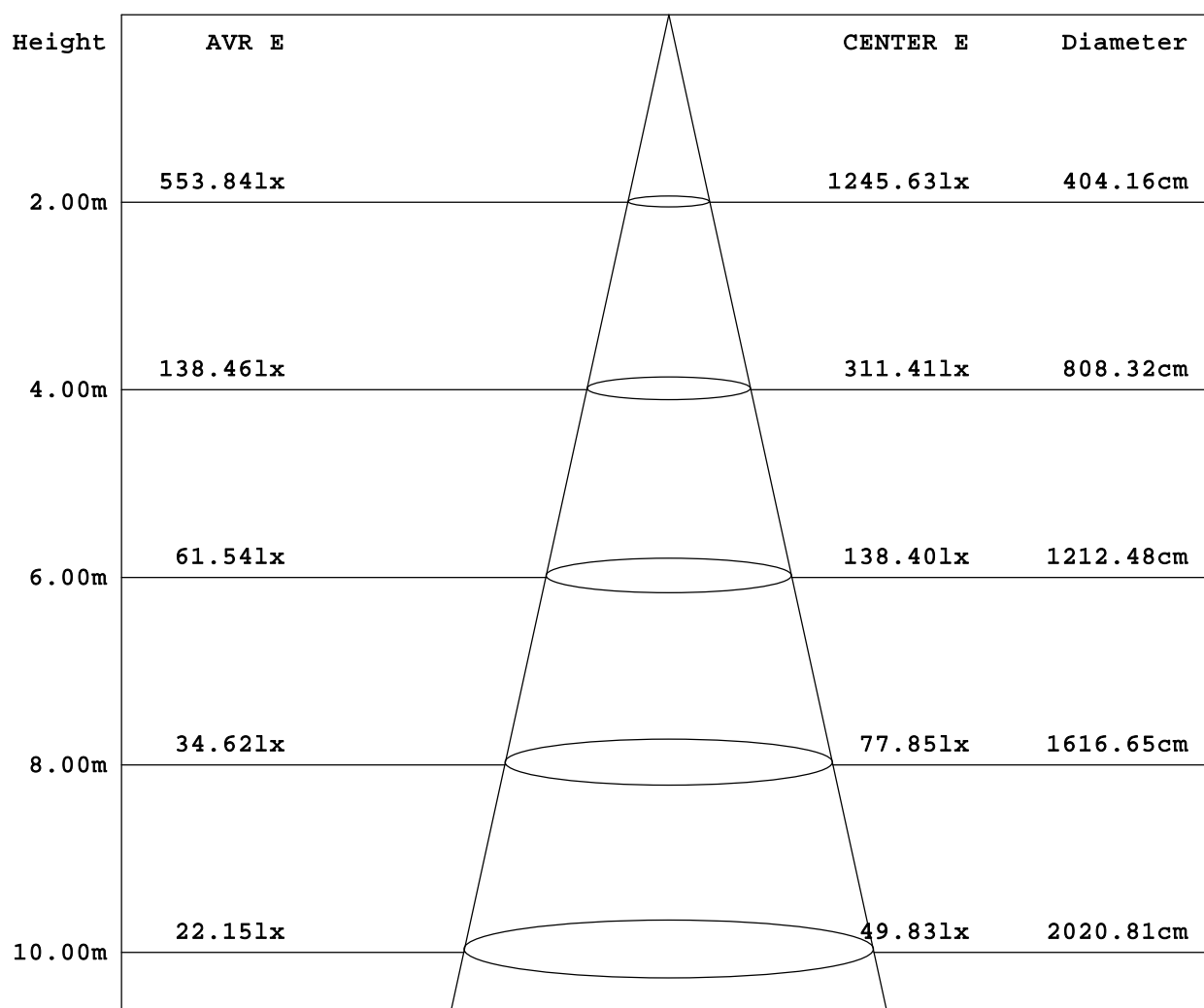
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

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



Angle: 90.6deg

Test System: HOPOO HPG1900  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2015年03月09日

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

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AREA LUMINOUS FLUX

Report number:

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

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a					
	0.02	0.07	0.15	0.24	0.33	0.43	0.54	0.64	0.72	0.74	0.68	0.60	0.50	0.41	0.32	0.19	0.08	0.02	6.68	0.00						
90	0.02	0.10	0.27	0.55	0.95	1.42	1.89	2.37	2.73	2.78	2.49	2.04	1.55	1.06	0.64	0.32	0.12	0.02	21.3	0.00						
80	0.02	0.14	0.50	1.28	2.52	4.71	8.23	12.3	15.0	15.4	13.3	9.40	5.46	2.80	1.42	0.54	0.15	0.03	93.4	43.9						
70	0.03	0.21	0.92	2.95	9.24	20.1	32.2	42.2	48.0	48.7	44.2	35.1	22.9	10.9	3.31	0.95	0.21	0.03	323	304						
60	0.03	0.31	1.58	7.94	22.5	40.4	58.5	73.1	81.4	82.2	75.4	61.9	44.7	26.1	9.14	1.55	0.29	0.03	588	578						
50	0.03	0.42	2.87	14.6	34.8	59.1	82.8	101	110	110	101	84.7	62.7	39.1	16.1	2.73	0.38	0.03	823	816						
40	0.04	0.52	4.65	20.2	45.0	74.8	102	121	129	128	119	101	75.9	47.3	21.2	4.26	0.45	0.03	995	989						
30	0.04	0.61	6.17	24.1	52.4	85.4	114	133	141	139	129	111	83.1	51.6	24.0	5.38	0.51	0.03	1100	1095						
20	0.04	0.67	6.96	25.9	56.0	90.7	121	140	147	144	135	116	85.7	52.6	24.4	5.71	0.53	0.03	1152	1147						
10	0.04	0.65	6.68	25.2	55.0	89.5	119	137	145	147	138	116	84.8	51.2	23.3	5.36	0.51	0.03	1145	1139						
0	0.04	0.56	5.42	21.9	49.5	81.6	110	129	140	141	132	110	79.6	47.3	20.9	4.44	0.45	0.03	1074	1069						
-10	0.03	0.45	3.71	16.6	40.0	68.8	96.7	117	128	129	118	97.1	68.5	39.5	16.4	3.07	0.37	0.03	944	936						
-20	0.03	0.34	2.13	10.2	27.5	51.7	76.1	95.5	106	106	95.8	76.3	52.1	28.4	10.4	1.80	0.28	0.03	741	732						
-30	0.03	0.24	1.12	4.38	14.6	30.8	48.5	63.5	71.8	72.0	64.2	49.9	32.2	15.9	4.63	1.02	0.21	0.02	475	462						
-40	0.02	0.15	0.59	1.66	4.79	12.0	21.1	28.8	33.1	33.5	29.8	22.3	12.8	5.15	1.73	0.53	0.14	0.02	209	181						
-50	0.02	0.09	0.29	0.70	1.57	2.88	4.61	6.13	6.73	6.72	6.04	4.31	2.65	1.51	0.68	0.28	0.09	0.02	45.3	0.00						
-60	0.02	0.05	0.12	0.27	0.53	0.90	1.25	1.39	1.38	1.34	1.29	1.13	0.83	0.52	0.29	0.15	0.06	0.02	11.5	0.00						
-70	0.02	0.04	0.06	0.08	0.14	0.21	0.26	0.27	0.26	0.26	0.28	0.28	0.24	0.17	0.11	0.07	0.04	0.01	2.78	0.00						
-80	0.02	0.04	0.06	0.08	0.14	0.21	0.26	0.27	0.26	0.26	0.28	0.28	0.24	0.17	0.11	0.07	0.04	0.01	2.78	0.00						
-90	0.02	0.04	0.06	0.08	0.14	0.21	0.26	0.27	0.26	0.26	0.28	0.28	0.24	0.17	0.11	0.07	0.04	0.01	2.78	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	0.52	5.63	44.2	179	418	716	999	1204	1308	1308	1205	999	717	422	179	38.4	4.87	0.47	9750							
Φ a	0.00	0.00	20.0	161	401	699	982	1188	1291	1292	1189	984	701	406	161	14.4	0.00	0.00		9490						

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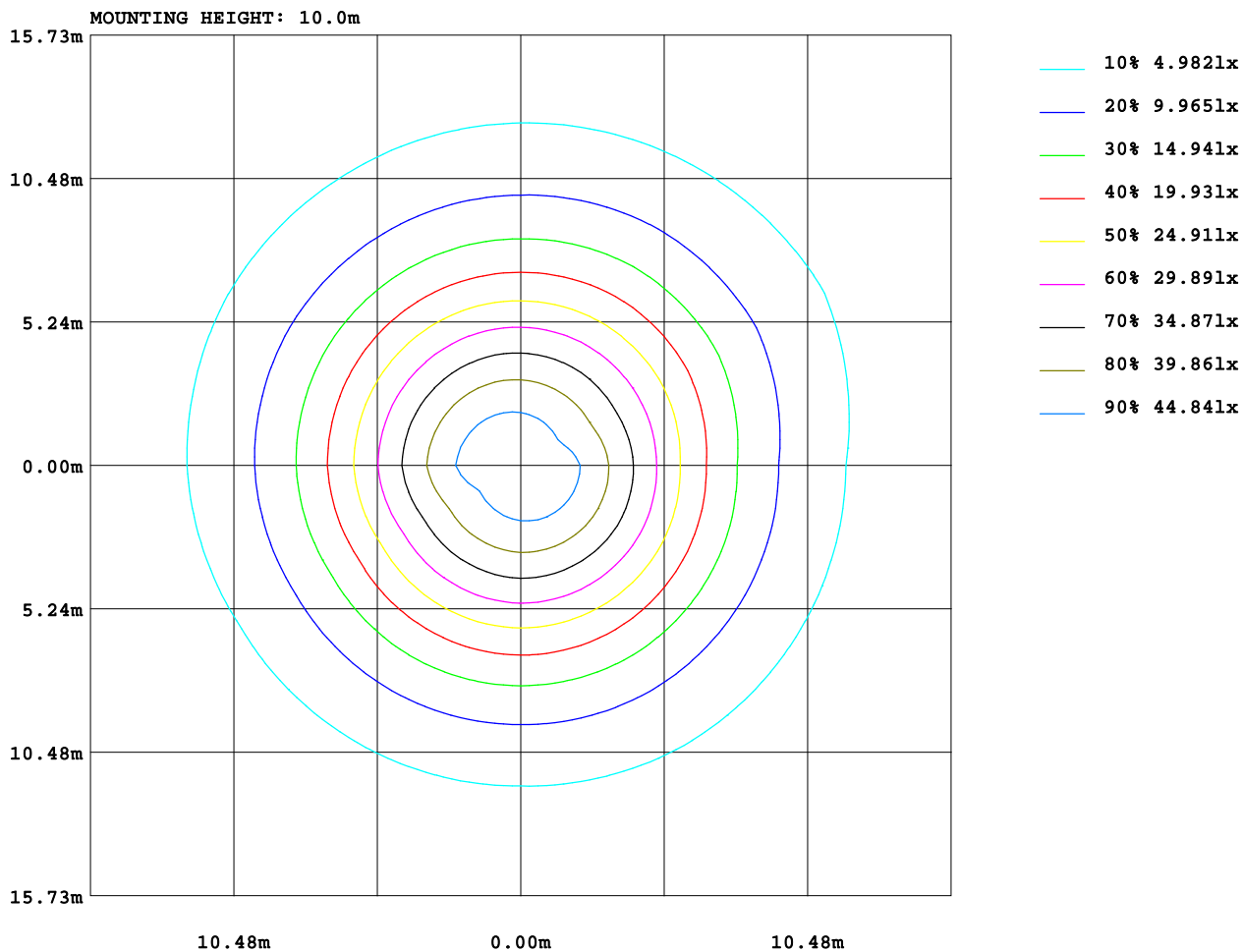
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## ISOLUX DIAGRAM

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MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
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