

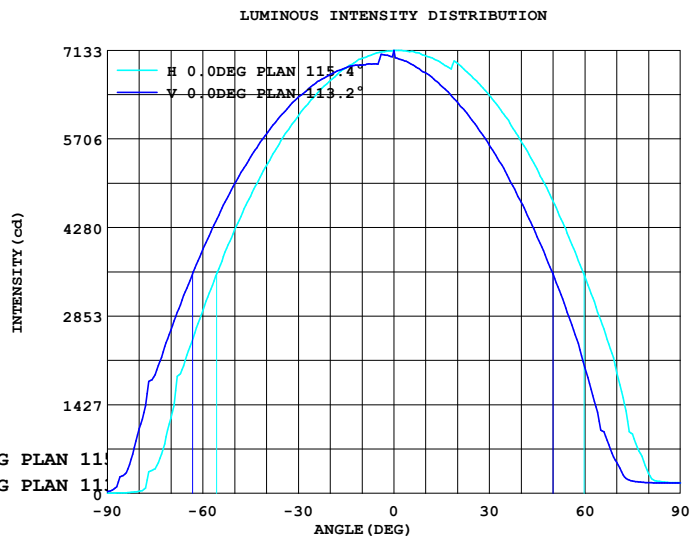
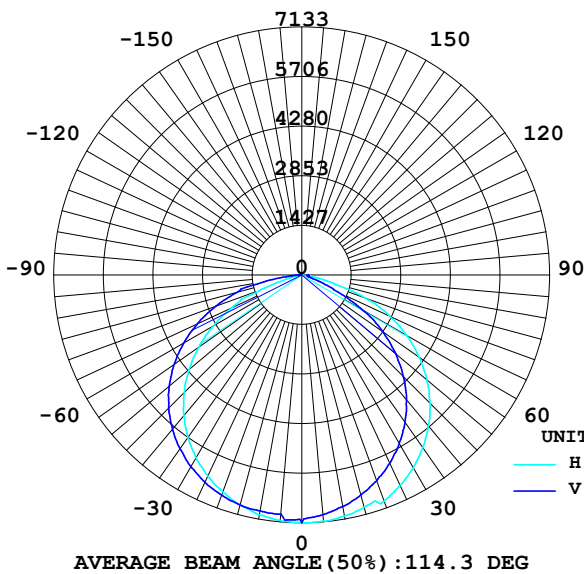
# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: SAMPLE 1

MANUFACTURER: Ledino	Address:	
NAME: Buckow 200	TYPE:	WEIGHT:
SPECIFICATION: 200W	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	190	Imax (cd):	7238	Voltage(V)	229.6
RATED VOLTAGE(V):	230	AVAILABILITY(%):	97.2	Current(A)	0.831
NOMINAL FLUX(lm):	19763	Avai. FLUX(lm):	19217	Power(W)	189.8
TEST FLUX(lm):	19763	EFFICIENCY(%):	100.0	Power Factor(PF)	0.996
LAMPS QUANTITY:	1	TOTAL FLUX(lm):	19763	EFFICIENCY(lm/W)	104.1
Effective Flux(lm):	19217.0	$\theta$ @50%(H, V):	114.5, 113.1DEG	EEL:	0.135



Test System: HOPOO HPG1900  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2018年04月02日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 8.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

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## Color Temperature Data List

Report number: SAMPLE 1

MANUFACTURER:	Address:	
NAME: YT-NP-FL16 200W	TYPE:	WEIGHT:
SPECIFICATION:200W	DIMENSION:	SERIAL No.:

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Test System:HOPOO HPG1900  
Temperature:25.3DEG  
Operators:  
Test Date:2018年04月02日

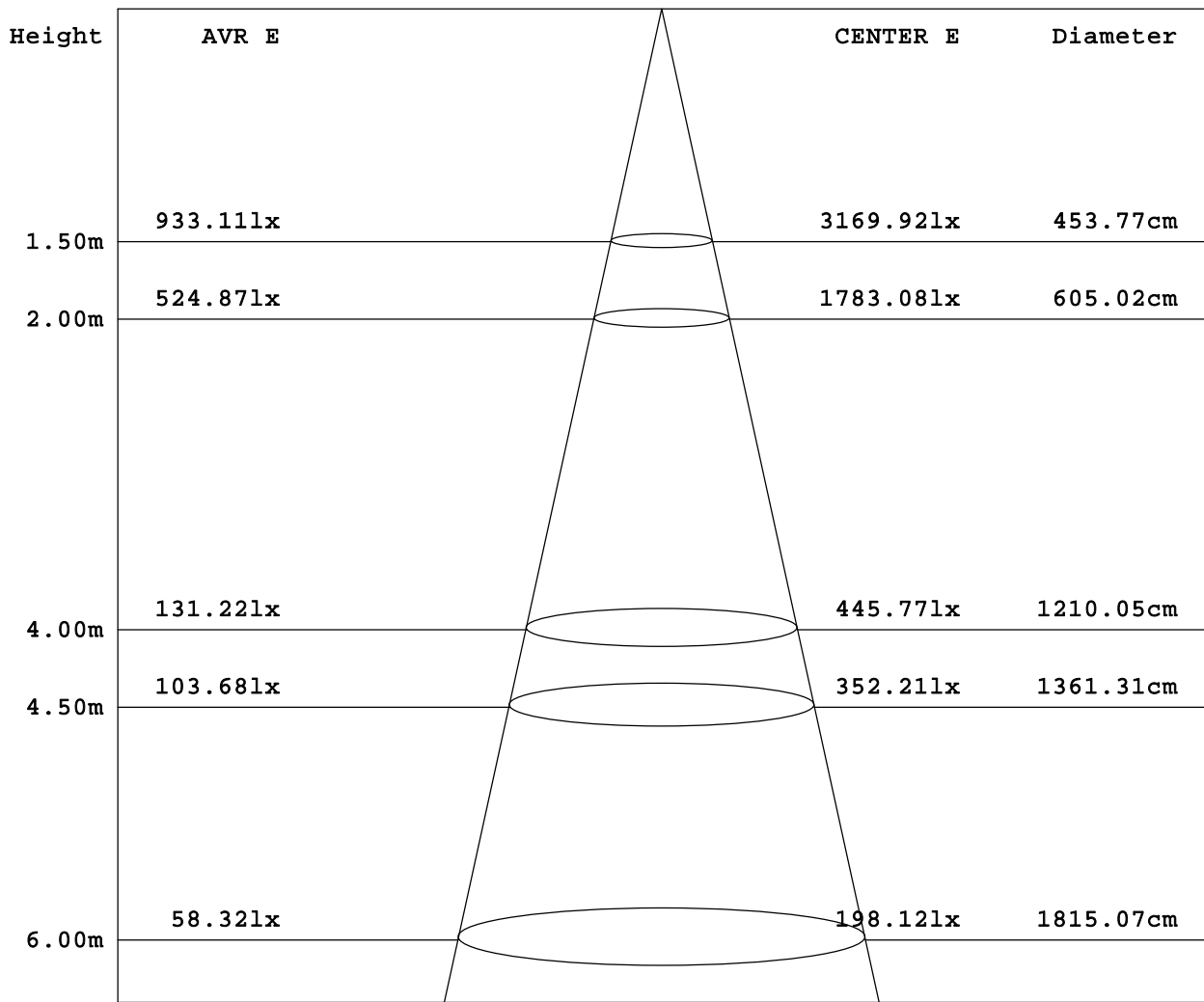
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Humidity:65.0%  
Test Distance:8.150 m  
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: SAMPLE 1

MANUFACTURER:	Address:	
NAME: YT-NP-FL16 200W	TYPE:	WEIGHT:
SPECIFICATION:200W	DIMENSION:	SERIAL No.:



Angle:113.1deg

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年04月02日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:8.150 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number: SAMPLE 1

MANUFACTURER:		Address:			
NAME: YT-NP-FL16 200W		TYPE:		WEIGHT:	
SPECIFICATION:200W		DIMENSION:		SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.10	0.69	1.80	2.42	1.82	0.75	0.82	2.48	4.23	4.25	2.53	0.89	0.87	1.98	2.57	2.24	1.35	0.45	32.3	0.00
90	0.10	0.69	1.80	2.42	1.82	0.75	0.82	2.48	4.23	4.25	2.53	0.89	0.87	1.98	2.57	2.24	1.35	0.45	32.3	0.00
80	0.10	0.69	1.82	2.66	2.26	1.37	1.26	3.54	6.13	7.59	7.20	5.43	5.42	5.67	4.50	2.58	1.40	0.46	60.1	0.00
70	0.10	0.69	2.03	4.57	7.94	10.9	13.8	23.8	32.6	38.4	40.1	36.6	30.5	22.8	13.9	5.54	1.57	0.46	287	222
60	0.10	0.72	3.99	14.0	28.5	39.2	50.7	69.9	82.6	87.3	84.5	75.6	64.0	48.6	30.2	11.1	2.35	0.47	694	679
50	0.09	1.13	8.59	29.9	52.2	73.5	92.8	111	123	126	120	108	90.9	69.4	44.6	18.5	3.77	0.48	1074	1066
40	0.08	1.85	15.3	42.4	72.0	100	123	141	154	157	149	135	114	86.3	54.9	25.6	5.24	0.50	1377	1371
30	0.07	2.71	21.4	51.6	86.1	120	147	165	178	180	171	156	131	98.3	62.9	30.7	6.75	0.52	1612	1607
20	0.06	3.56	25.6	58.3	95.9	133	165	186	196	197	189	172	143	106	68.4	34.1	7.96	0.54	1781	1777
10	0.05	4.13	28.1	62.3	102	140	174	199	210	208	201	181	149	111	71.5	35.8	8.61	0.55	1887	1883
0	0.04	4.16	28.3	62.4	101	139	172	194	207	214	204	183	151	112	72.2	36.2	8.79	0.56	1890	1886
-10	0.04	3.64	26.2	58.6	95.4	131	162	188	204	211	203	179	147	109	70.4	35.1	8.52	0.55	1832	1828
-20	0.03	2.78	22.4	52.3	85.9	120	154	182	197	203	197	173	140	103	66.1	32.4	7.67	0.53	1740	1736
-30	0.03	1.83	16.9	43.6	74.0	109	143	168	182	187	183	162	130	94.0	59.2	28.1	6.40	0.50	1590	1585
-40	0.02	0.94	9.87	33.2	61.1	93.9	125	147	161	166	162	145	115	82.0	49.9	22.6	4.71	0.46	1380	1374
-50	0.02	0.21	4.40	18.8	45.8	73.6	100	120	132	137	134	121	95.8	66.4	38.6	16.1	2.97	0.41	1109	1099
-60	0.01	0.10	0.90	6.85	23.3	47.3	69.5	85.7	96.7	101	99.0	89.7	69.2	45.7	24.7	8.20	1.69	0.38	771	755
-70	0.01	0.05	0.15	1.29	6.61	15.7	28.8	42.5	53.6	57.0	52.1	43.1	31.1	18.6	8.64	2.69	0.91	0.37	364	328
-80	0.01	0.02	0.04	0.60	2.06	4.08	6.15	8.12	10.0	11.2	11.3	10.9	8.26	4.27	1.35	0.59	0.72	0.36	80.2	13.3
-90	0.01	0.02	0.04	0.60	2.06	4.08	6.15	8.12	10.0	11.2	11.3	10.9	8.26	4.27	1.35	0.59	0.72	0.36	80.2	13.3
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.96	29.9	218	547	944	1355	1729	2038	2230	2293	2211	1977	1616	1187	745	349	81.4	8.54	19763	
Φ a	0.00	7.53	194	523	921	1335	1709	2017	2208	2272	2190	1960	1598	1167	726	328	53.3	0.00		19217

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2018年04月02日

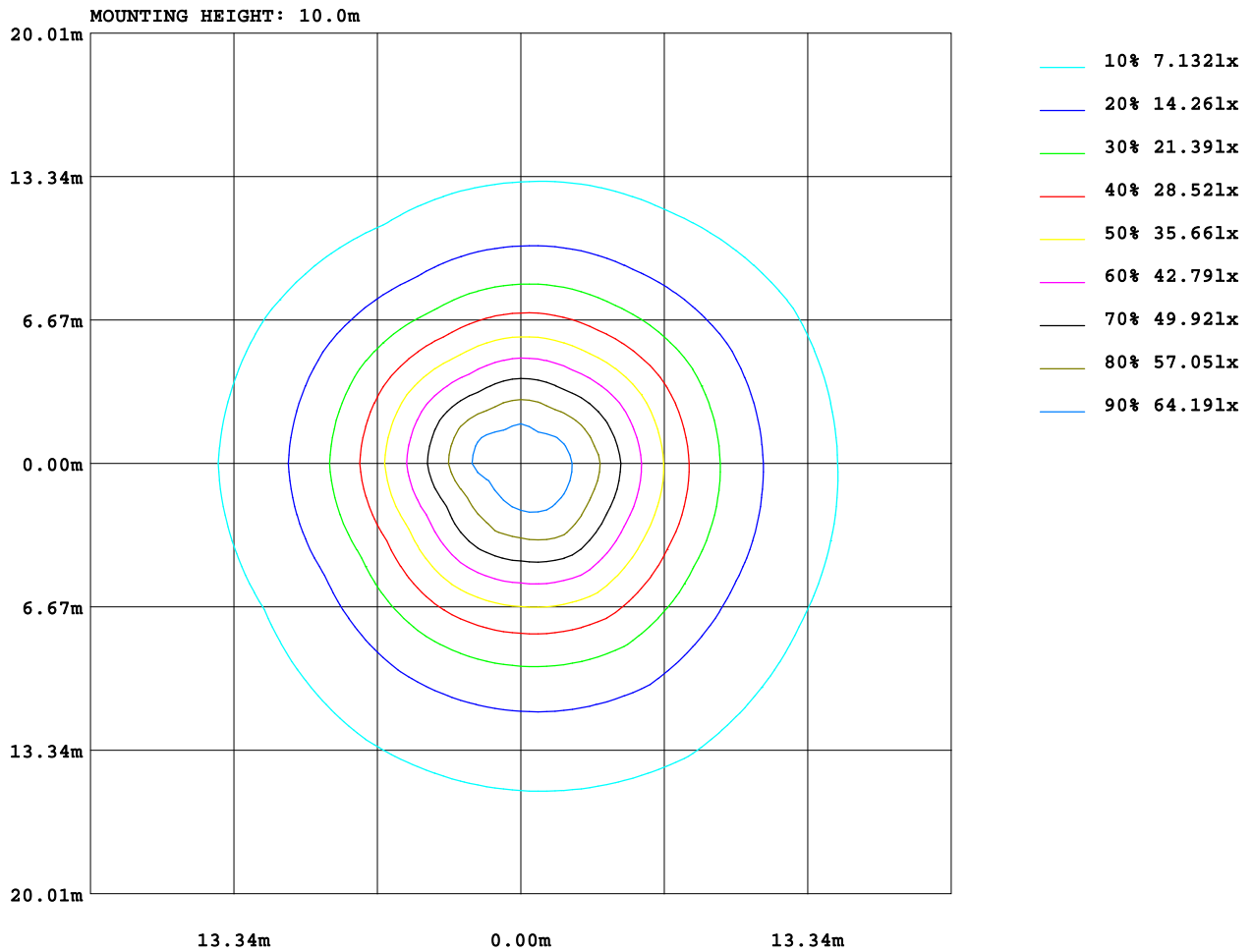
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 Humidity:65.0%  
 Test Distance:8.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number: SAMPLE 1

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: YT-NP-FL16 200W</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:200W</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
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