

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

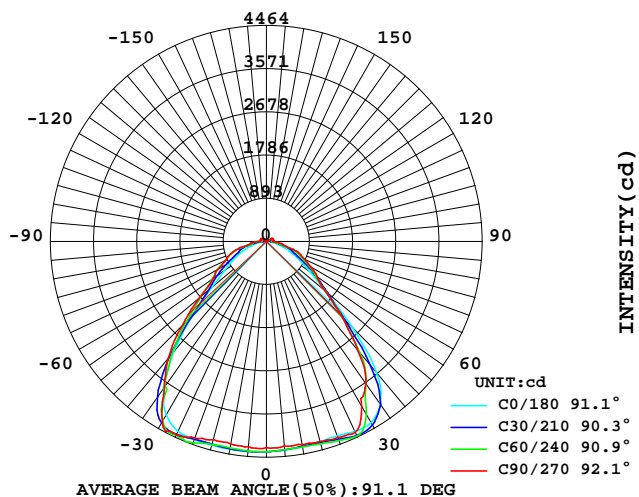
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

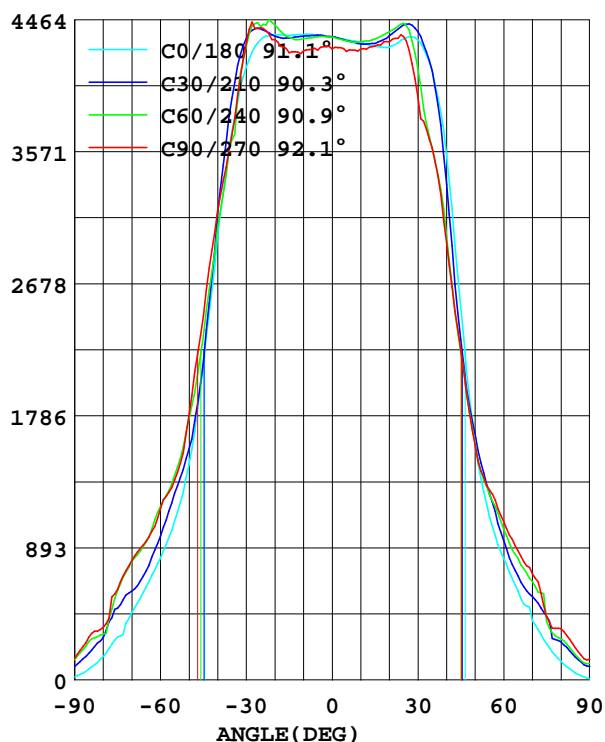
MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

DATA OF LAMP		I <sub>max</sub> (cd)	4464	S/MH(C0/180)	1.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.33
NOMINAL POWER(W)	72	TOTAL FLUX(lm)	10646	Voltage(V)	219.6
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	147.9	Current(A)	0.342
NOMINAL FLUX(lm)	10646.4	h up(%)	2.6	Power(W)	71.95
LAMPS QUANTITY	1	h down(%)	97.4	Power Factor(PF)	0.955
TEST VOLTAGE(V)	219.7	Effective Flux(lm)	9983.9	EEI	0.098

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

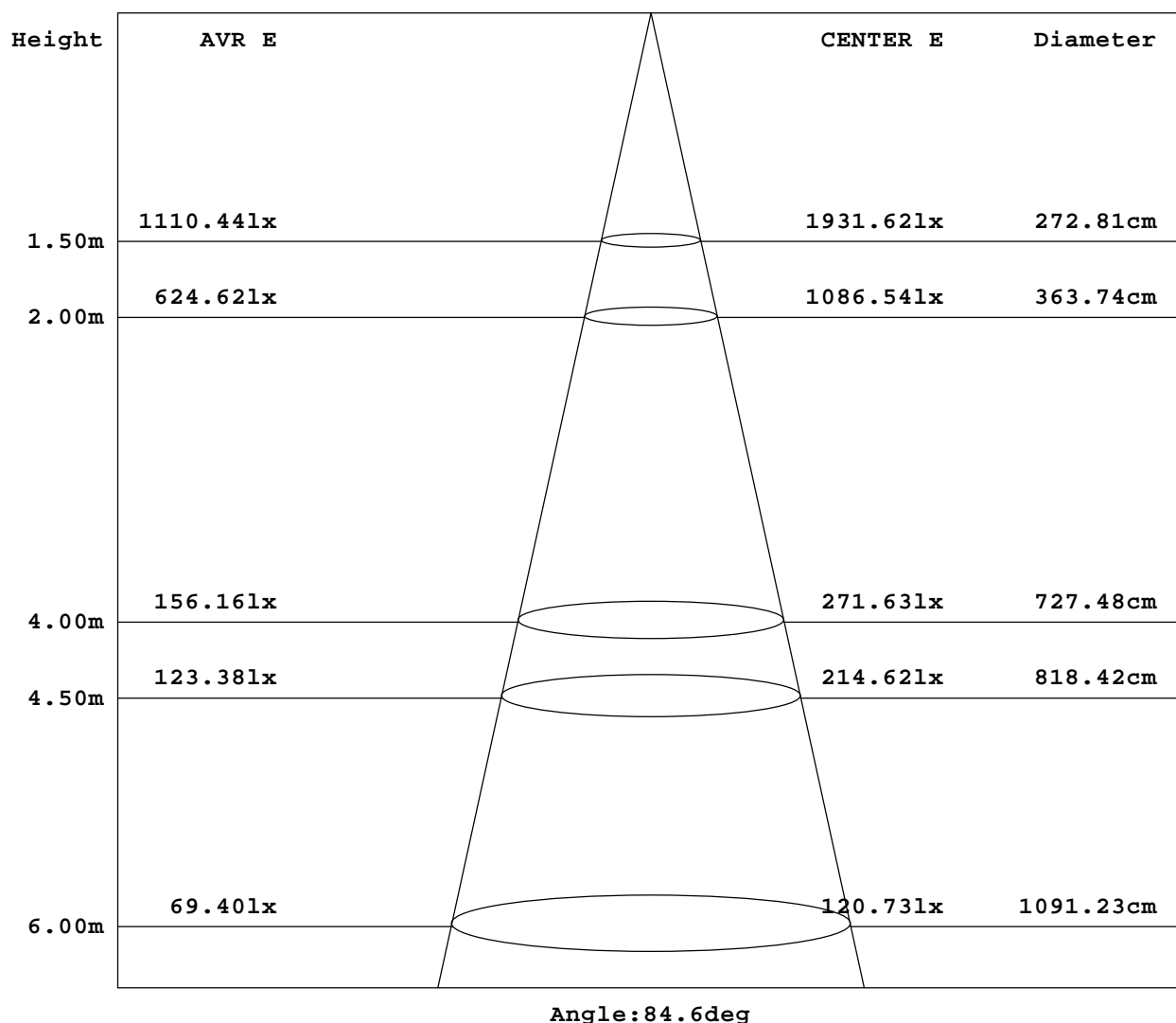
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:



Test System: HOPOO HPG1800  
Temperature: 25.3DEG  
Operators:  
Test Date: 2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 11.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tStal
5.0	4360	4354	4258	4338	4329	4322	4248	4338	0- 5	103.5	103.5
10.0	4364	4344	4252	4322	4306	4307	4264	4336	5- 10	309.1	412.6
15.0	4357	4342	4240	4311	4284	4318	4286	4348	10- 15	511.9	924.5
20.0	4362	4390	4328	4345	4278	4368	4313	4382	15- 20	714.4	1639
25.0	4329	4408	4408	4377	4333	4433	4350	4394	20- 25	918.0	2557
30.0	4143	4309	4302	4286	4327	4259	3943	4108	25- 30	1097	3654
35.0	3705	3791	3684	3905	4116	3855	3594	3676	30- 35	1180	4833
40.0	3001	3099	3165	3410	3540	3173	2953	2968	35- 40	1168	6001
45.0	2128	2240	2459	2564	2521	2258	2236	2171	40- 45	1014	7015
50.0	1456	1663	1791	1771	1617	1631	1587	1529	45- 50	788.4	7803
55.0	1073	1323	1352	1282	1101	1255	1284	1176	50- 55	612.9	8416
60.0	825.4	1072	1158	1014	822.9	982.0	1072	937.8	55- 60	513.9	8930
65.0	629.5	834.1	937.8	795.0	599.6	763.9	871.9	755.9	60- 65	426.3	9356
70.0	454.1	700.7	806.7	659.8	402.3	613.9	718.3	590.4	65- 70	353.9	9710
75.0	291.1	545.4	614.0	480.3	244.9	413.2	429.1	363.4	70- 75	283.7	9994
80.0	158.9	298.7	356.2	282.6	128.3	268.3	346.7	276.6	75- 80	183.0	10177
85.0	74.72	219.7	288.8	211.3	47.02	162.2	216.4	161.9	80- 85	122.4	10299
90.0	21.61	114.1	145.3	104.6	8.421	103.1	138.4	97.41	85- 90	71.67	10371
95.0	10.84	98.74	141.1	95.72	2.250	113.2	162.4	106.4	90- 95	51.51	10423
100.0	5.759	97.71	136.5	89.43	0	96.38	137.8	91.06	95-100	47.78	10470
105.0	4.549	99.23	129.0	85.61	0	102.9	134.1	89.18	100-105	45.54	10516
110.0	4.670	99.89	122.5	80.90	0.073	105.3	131.8	87.91	105-110	43.94	10560
115.0	5.517	98.38	129.0	83.26	2.492	99.59	134.5	84.22	110-115	42.71	10603
120.0	5.638	92.45	127.3	78.84	5.880	97.65	136.1	81.86	115-120	40.05	10643
125.0	0	0	0	0	0	0	0	0	120-125	3.845	10646
130.0	0	0	0	0	0	0	0	0	125-130	0	10646
135.0	0	0	0	0	0	0	0	0	130-135	0	10646
140.0	0	0	0	0	0	0	0	0	135-140	0	10646
145.0	0	0	0	0	0	0	0	0	140-145	0	10646
150.0	0	0	0	0	0	0	0	0	145-150	0	10646
155.0	0	0	0	0	0	0	0	0	150-155	0	10646
160.0	0	0	0	0	0	0	0	0	155-160	0	10646
165.0	0	0	0	0	0	0	0	0	160-165	0	10646
170.0	0	0	0	0	0	0	0	0	165-170	0	10646
175.0	0	0	0	0	0	0	0	0	170-175	0	10646
180.0	0	0	0	0	0	0	0	0	175-180	0	10646
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

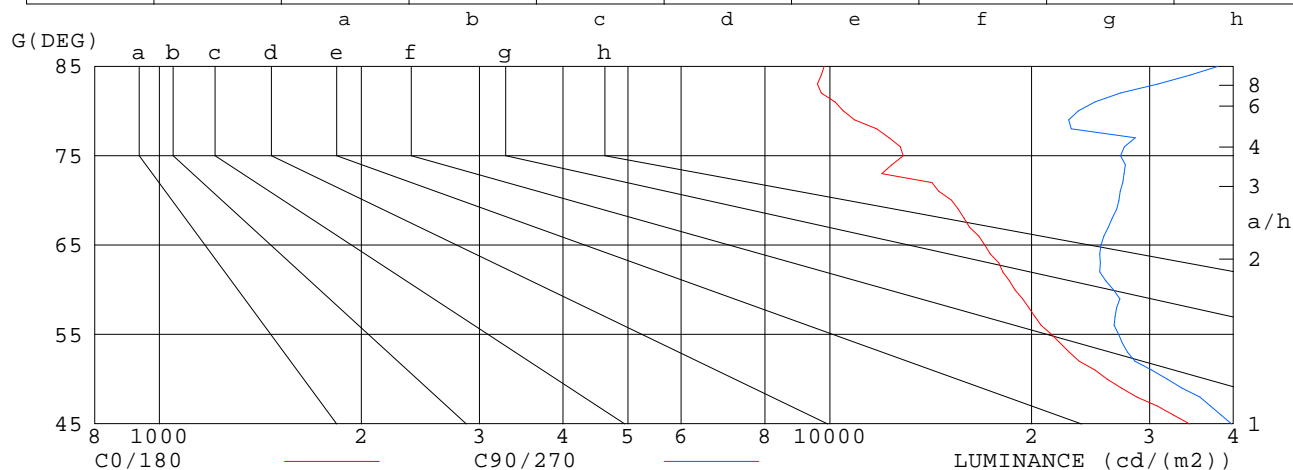
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G( DEG)	C0/180	C90/270
85	9809	37921
80	10471	23473
75	12871	27140
70	15192	26985
65	17040	25386
60	18885	26493
55	21410	26963
50	25918	31879
45	34424	39776

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

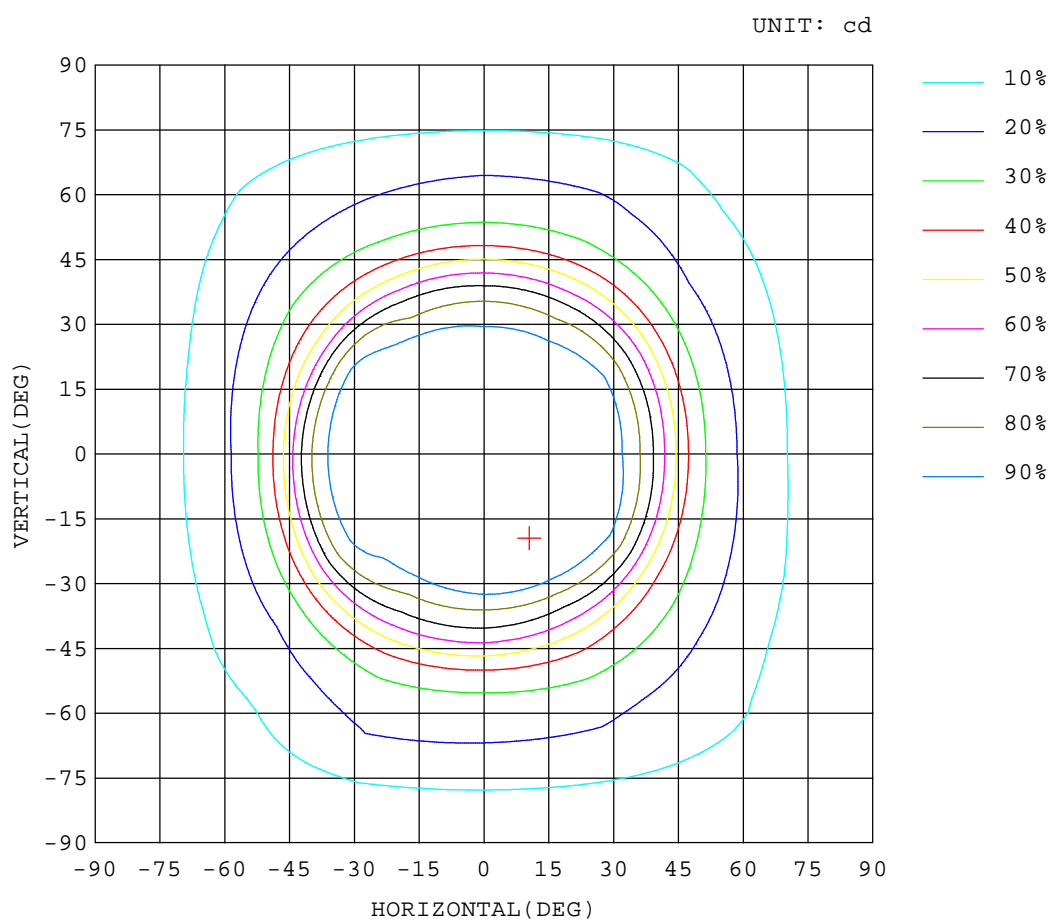
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年04月08日

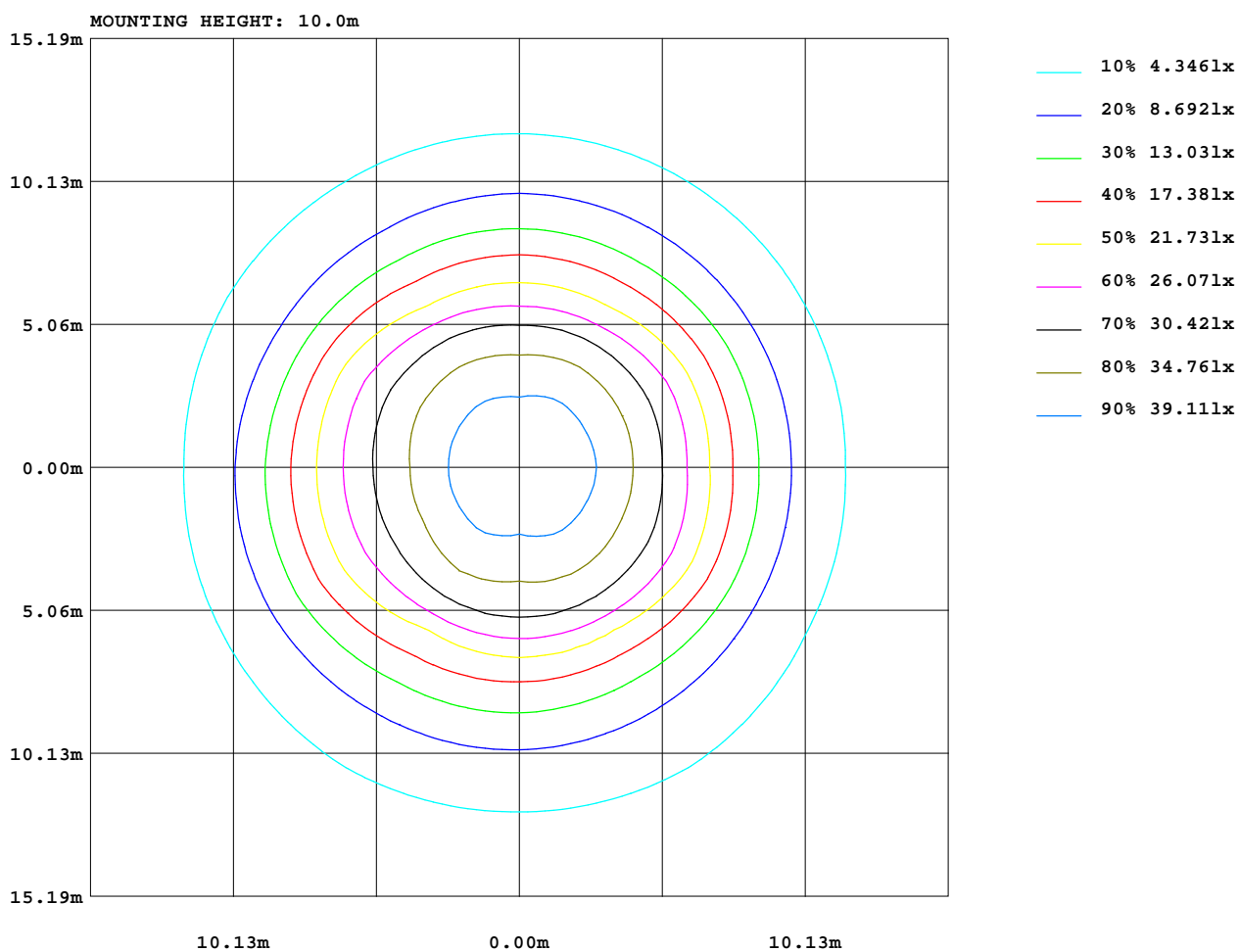
Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER:																				
Address:																				
NAME: 72W										TYPE:							WEIGHT:			
SPECIFICATION:										DIMENSION: 1452*67mm							SERIAL No.:			

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.08	0.47	1.23	2.16	3.04	3.93	4.87	5.83	6.57	6.72	6.25	5.51	4.36	3.01	1.86	1.00	0.43	0.09	57.4	0.00		
90																						
80	0.10	0.70	2.09	4.01	5.88	8.31	10.9	13.0	14.4	14.5	13.6	11.8	8.81	5.98	3.61	1.80	0.67	0.12	121	45.5		
70	0.12	0.99	2.96	6.53	11.2	16.0	20.4	23.9	26.1	26.3	24.5	21.3	16.2	10.4	5.69	2.80	0.97	0.15	217	195		
60	0.15	1.26	4.29	9.43	15.2	22.5	29.9	35.4	38.7	38.7	35.6	30.2	22.3	14.7	8.27	3.87	1.29	0.18	312	299		
50	0.17	1.52	5.57	11.5	20.7	32.1	44.7	57.9	66.5	66.2	57.2	43.4	30.2	18.9	10.8	5.06	1.63	0.21	475	465		
40	0.19	1.83	6.46	14.3	27.7	47.4	75.2	95.9	106	106	94.4	72.2	44.6	24.6	13.3	6.23	1.91	0.23	739	731		
30	0.20	2.04	7.24	17.0	35.8	72.1	107	123	130	129	120	101	66.1	32.5	15.8	7.22	2.14	0.25	969	963		
	0.21	2.15	7.81	19.1	45.7	92.8	120	129	131	131	129	116	83.3	40.9	17.9	7.89	2.32	0.27	1077	1072		
	0.20	2.14	8.03	20.1	53.4	100	120	127	131	131	128	119	90.6	46.1	19.1	8.23	2.40	0.27	1106	1101		
	0.20	2.12	7.96	20.0	54.4	100	119	126	131	131	128	119	91.4	46.3	19.4	8.33	2.45	0.27	1108	1103		
	0.20	2.06	7.59	18.6	48.2	95.0	119	128	131	131	129	119	85.4	41.3	18.8	8.18	2.47	0.28	1085	1080		
-30	0.19	1.90	6.88	16.1	37.2	78.9	108	125	133	133	126	105	67.8	33.7	17.2	7.67	2.38	0.27	1001	995		
-40	0.17	1.66	5.96	13.2	26.6	52.6	82.5	100	111	111	97.7	75.3	46.8	27.5	14.8	6.91	2.22	0.25	777	769		
-50	0.15	1.38	4.85	10.4	19.6	33.2	50.3	65.8	74.3	73.2	62.9	48.0	33.7	21.8	12.1	6.13	1.93	0.23	521	512		
-60	0.13	1.07	3.59	8.22	15.2	24.2	33.4	38.9	41.9	41.9	38.8	33.4	25.1	16.6	10.2	5.18	1.53	0.20	340	328		
-70	0.10	0.78	2.46	5.70	11.5	18.5	24.5	27.4	28.8	28.7	27.0	23.8	18.6	13.1	8.08	3.67	1.19	0.17	245	227		
-80	0.08	0.52	1.52	3.42	6.56	10.8	14.9	17.1	18.1	17.9	16.5	14.0	10.7	7.44	4.67	2.43	0.87	0.14	148	94.7		
-90	0.05	0.31	0.81	1.89	3.79	6.09	7.66	8.12	8.27	8.04	7.45	6.61	5.43	4.01	2.64	1.45	0.58	0.11	73.3	0.00		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)													
Φ t	2.68	24.9	87.4	202	442	816	1093	1247	1328	1327	1242	1065	752	410	205	94.1	29.4	3.70	10646			
Φ a	0.00	0.00	55.9	178	420	794	1071	1224	1305	1304	1219	1043	730	388	181	64.7	0.00	0.00			9984	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

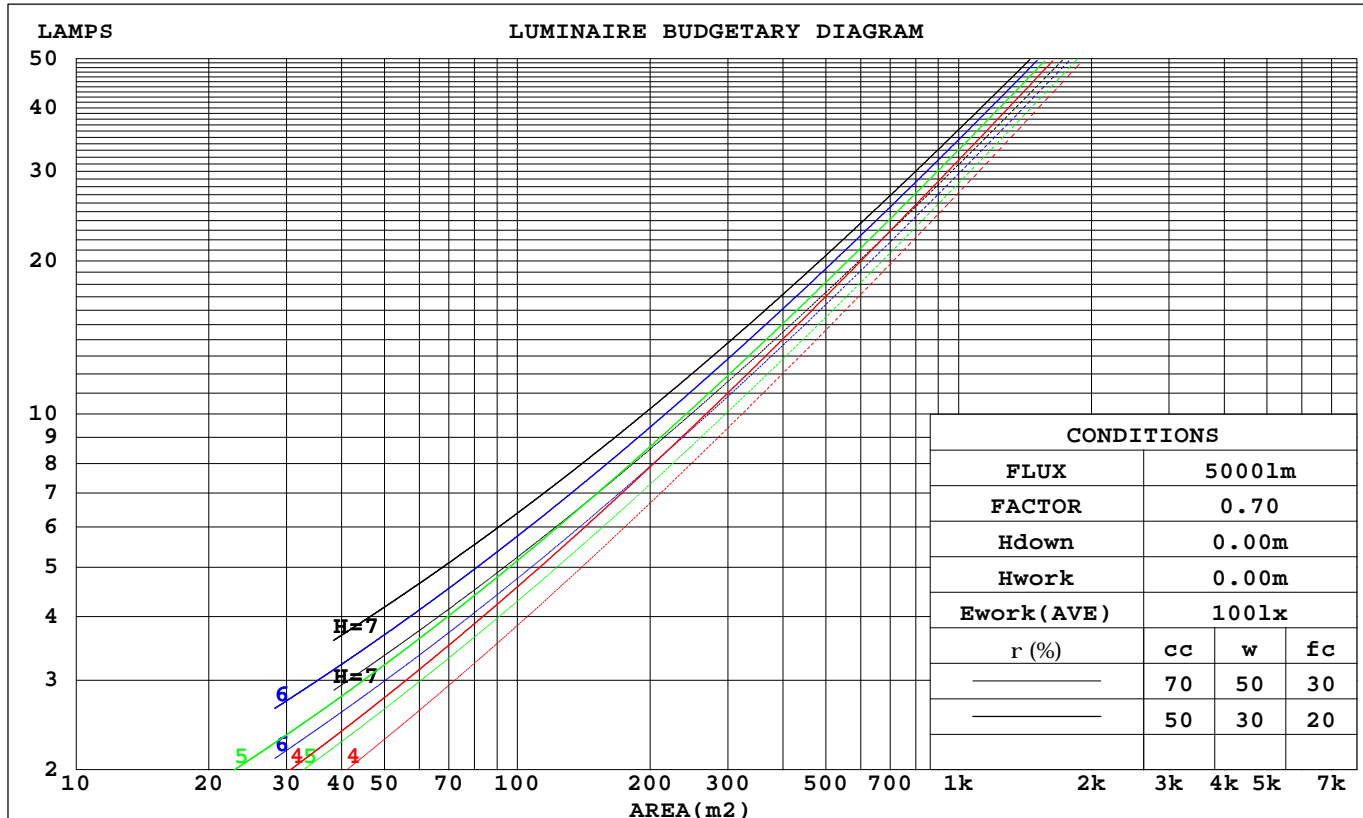
# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

rcc	80%			70%			50%			30%			10%			0														
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
rfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Coefficients of Utilization(CU)														
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97														
1.0	1.05	1.01	.98	1.03	.99	.96	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84														
2.0	.93	.87	.82	.91	.86	.81	.87	.83	.79	.84	.80	.77	.80	.77	.74	.72														
3.0	.83	.76	.70	.82	.75	.69	.78	.73	.68	.75	.70	.66	.72	.68	.65	.63														
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55														
5.0	.68	.59	.53	.66	.59	.53	.64	.57	.52	.62	.56	.51	.60	.55	.51	.49														
6.0	.61	.53	.47	.60	.53	.47	.58	.52	.46	.57	.50	.46	.55	.49	.45	.43														
7.0	.56	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.50	.45	.41	.39														
8.0	.51	.44	.38	.51	.43	.38	.49	.42	.38	.48	.42	.37	.46	.41	.37	.35														
9.0	.47	.40	.35	.47	.39	.34	.45	.39	.34	.44	.38	.34	.43	.38	.33	.32														
10.0	.44	.36	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29														



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:



# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: 72W						TYPE:			WEIGHT:		
SPECIFICATION:						DIMENSION: 1452*67mm			SERIAL No.:		

rcc	80%			70%			50%			30%			10%			0														
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
rfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.275	.157	.050	.268	.153	.048	.253	.145	.046	.240	.138	.044	.227	.132	.042															
2.0	.258	.142	.043	.252	.139	.043	.239	.133	.041	.227	.127	.040	.216	.122	.039															
3.0	.241	.128	.038	.235	.126	.038	.224	.121	.037	.213	.117	.036	.203	.113	.035															
4.0	.224	.117	.034	.219	.115	.034	.209	.111	.033	.200	.107	.032	.191	.104	.032															
5.0	.209	.107	.031	.204	.105	.031	.195	.102	.030	.187	.099	.029	.179	.096	.029															
6.0	.196	.098	.028	.191	.097	.028	.183	.094	.027	.176	.091	.027	.169	.089	.026															
7.0	.183	.091	.026	.180	.090	.026	.172	.087	.025	.166	.085	.025	.159	.083	.024															
8.0	.173	.084	.024	.169	.083	.024	.163	.081	.023	.157	.079	.023	.151	.077	.023															
9.0	.163	.079	.022	.160	.078	.022	.154	.076	.022	.148	.074	.021	.143	.073	.021															
10.0	.154	.074	.020	.151	.073	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020															

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.210	.210	.210	.180	.180	.180	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.198	.176	.157	.169	.151	.135	.116	.104	.093	.067	.060	.054	.021	.019	.018	
2.0	.188	.152	.122	.161	.131	.105	.110	.091	.074	.064	.053	.043	.020	.017	.014	
3.0	.179	.134	.099	.153	.116	.085	.105	.080	.060	.061	.047	.035	.020	.015	.012	
4.0	.171	.121	.082	.147	.104	.071	.101	.073	.050	.058	.043	.030	.019	.014	.010	
5.0	.163	.110	.071	.140	.095	.061	.097	.066	.043	.056	.039	.026	.018	.013	.008	
6.0	.156	.102	.062	.134	.088	.054	.093	.062	.038	.054	.036	.023	.017	.012	.008	
7.0	.150	.095	.056	.129	.082	.049	.089	.057	.034	.052	.034	.020	.017	.011	.007	
8.0	.144	.089	.051	.124	.077	.044	.086	.054	.031	.050	.032	.019	.016	.010	.006	
9.0	.138	.084	.047	.119	.073	.041	.083	.051	.029	.048	.030	.017	.016	.010	.006	
10.0	.133	.080	.044	.115	.069	.038	.080	.049	.027	.046	.029	.016	.015	.009	.005	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: 72W					TYPE:			WEIGHT:			
SPECIFICATION:					DIMENSION: 1452*67mm			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	2H	23.0	24.3	23.3	24.5	24.8	23.9	25.3	24.2	25.5	25.7
	3H	23.8	25.0	24.1	25.3	25.6	25.3	26.6	25.6	26.8	27.1
	4H	24.1	25.2	24.4	25.5	25.8	26.0	27.2	26.4	27.5	27.8
	6H	24.3	25.4	24.6	25.7	26.0	26.5	27.6	26.9	27.9	28.2
	8H	24.3	25.4	24.7	25.7	26.0	26.7	27.8	27.1	28.1	28.4
	12H	24.4	25.4	24.7	25.7	26.1	27.0	28.1	27.4	28.4	28.8
4H	2H	23.5	24.6	23.8	24.9	25.2	24.3	25.4	24.6	25.7	26.0
	3H	24.6	25.6	24.9	25.9	26.3	26.0	27.0	26.4	27.3	27.7
	4H	25.1	26.0	25.5	26.4	26.8	26.9	27.8	27.3	28.2	28.6
	6H	25.4	26.3	25.9	26.7	27.1	27.4	28.3	27.9	28.7	29.1
	8H	25.5	26.3	26.0	26.7	27.1	27.8	28.5	28.2	28.9	29.4
	12H	25.6	26.3	26.1	26.7	27.2	28.2	28.9	28.6	29.3	29.8
8H	4H	25.5	26.3	26.0	26.7	27.2	27.1	27.9	27.5	28.3	28.7
	6H	26.1	26.7	26.6	27.2	27.6	27.8	28.4	28.3	28.9	29.3
	8H	26.3	26.9	26.8	27.3	27.8	28.2	28.8	28.7	29.2	29.8
	12H	26.5	27.0	27.0	27.4	28.0	28.8	29.3	29.3	29.8	30.3
12H	4H	25.6	26.3	26.0	26.7	27.2	27.1	27.8	27.5	28.2	28.7
	6H	26.2	26.8	26.7	27.2	27.7	27.8	28.4	28.3	28.9	29.4
	8H	26.5	27.0	27.0	27.5	28.0	28.3	28.8	28.8	29.3	29.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.3					
1.5H	+ 0.4 / - 0.5					+ 0.1 / - 0.2					
2.0H	+ 0.6 / - 0.6					+ 0.4 / - 0.3					

CIE Pub.117 Corrected 10646 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.2)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	54	48	64	54	48	63	53	48	42
0.80	74	64	57	73	63	57	71	63	57	51
1.00	82	72	66	80	71	65	78	72	65	58
1.25	88	79	73	86	78	72	84	77	71	65
1.50	92	84	78	91	83	77	88	81	76	69
2.00	98	91	85	96	89	84	93	87	82	75
2.50	101	94	89	99	93	88	95	90	86	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	107	102	98	105	100	97	100	97	94	85
5.00	109	105	102	107	103	100	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

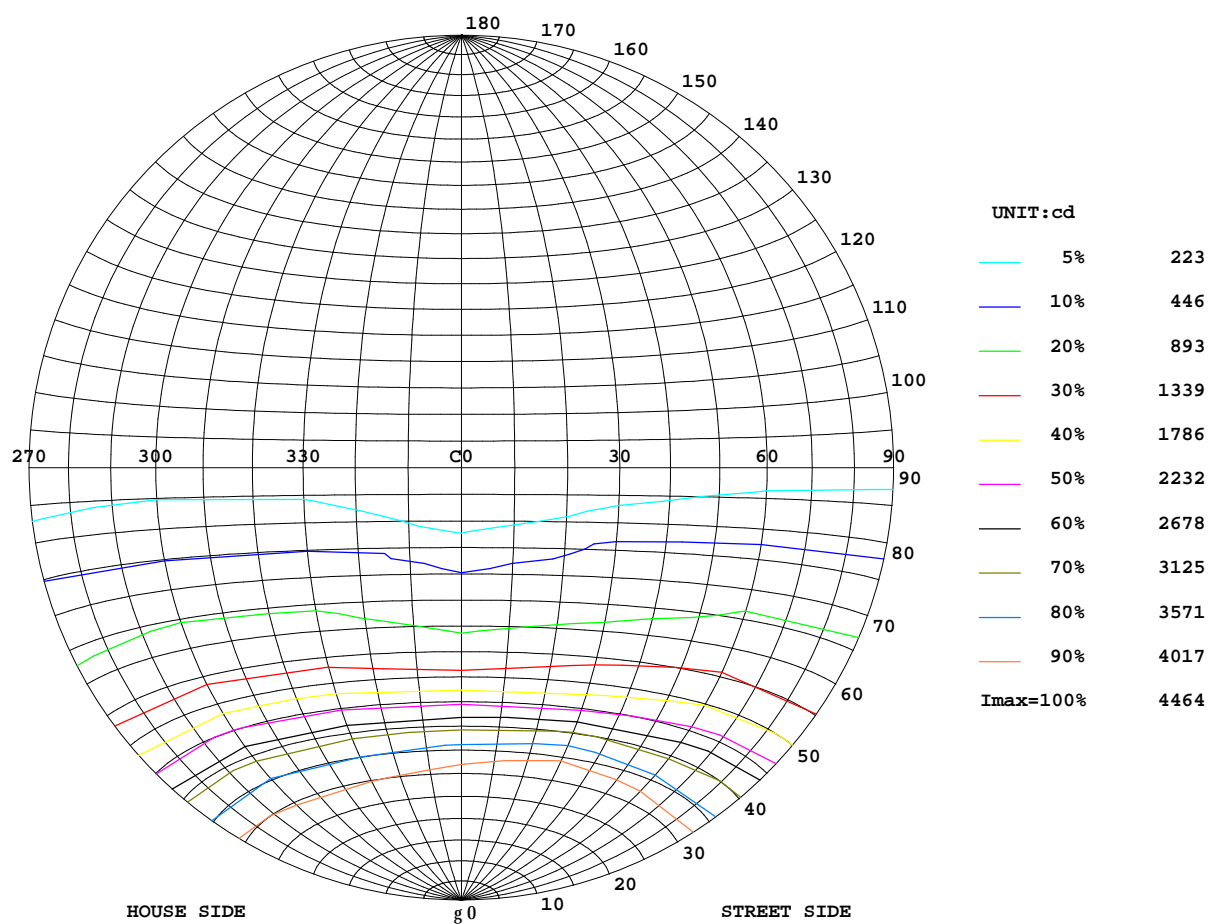
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

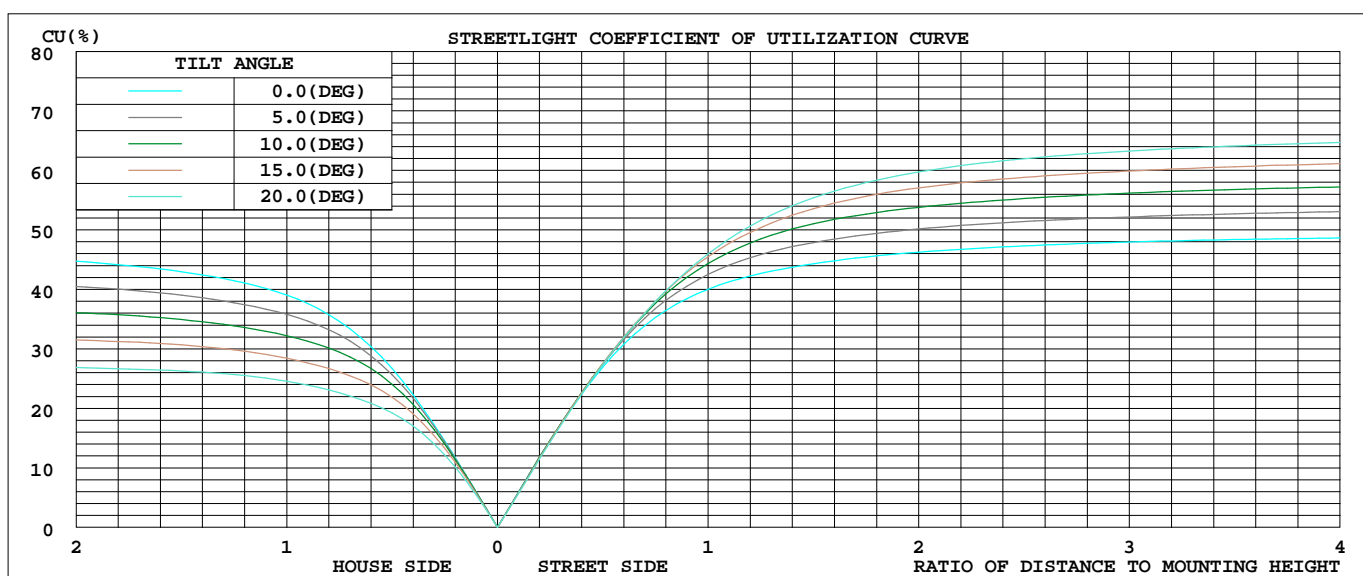
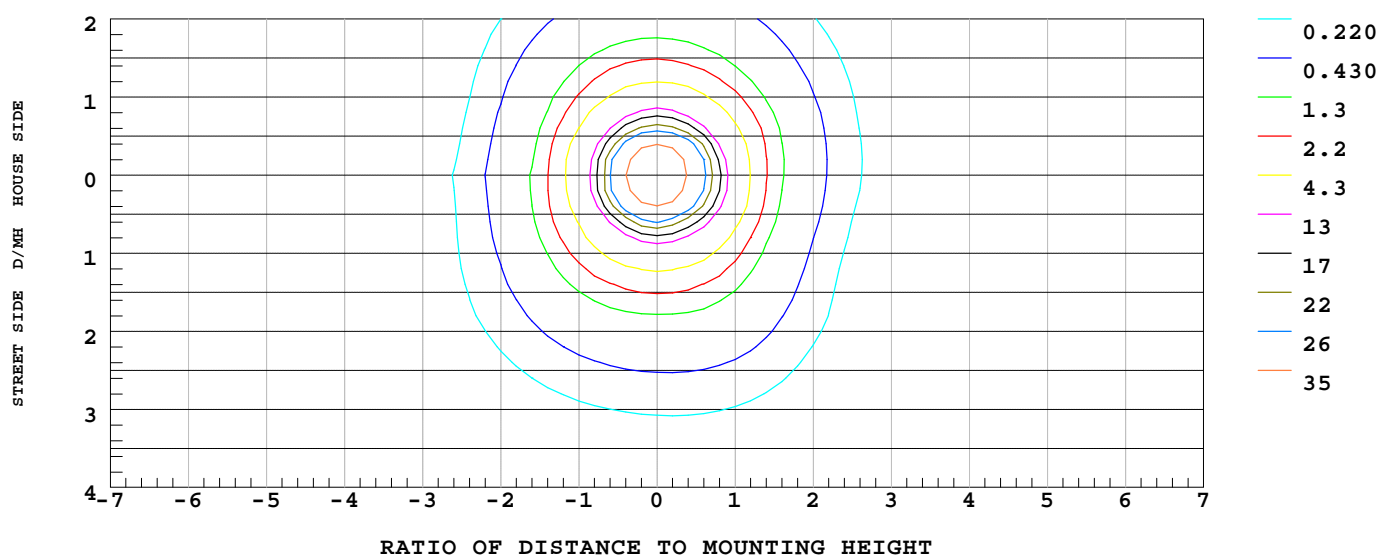
# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 43.46 lx



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2021年04月08日

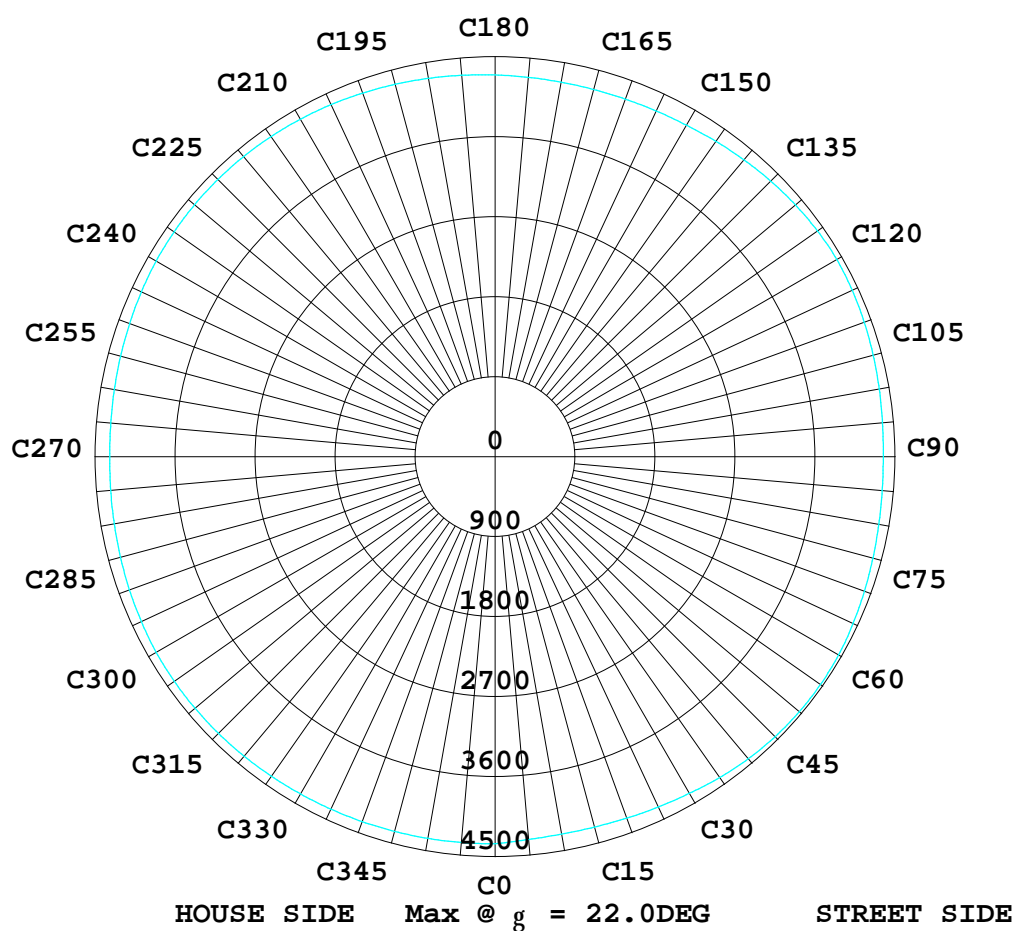
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:11.000 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2021年04月08日

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:11.000 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address:		
NAME: 72W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1452*67mm	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	4346	4349	4345	4265	4353	4339	4346	4349	4345	4265	4353	4339
5.0	4360	4359	4349	4258	4346	4330	4329	4323	4322	4248	4335	4341
10.0	4364	4353	4335	4252	4328	4316	4306	4300	4314	4264	4335	4337
15.0	4357	4340	4344	4240	4332	4290	4284	4303	4334	4286	4357	4339
20.0	4362	4353	4427	4328	4402	4288	4278	4355	4380	4313	4393	4370
25.0	4329	4400	4415	4408	4421	4333	4333	4427	4439	4350	4412	4377
30.0	4143	4335	4282	4302	4257	4314	4327	4383	4134	3943	3989	4227
35.0	3705	3930	3652	3684	3692	4118	4116	4116	3594	3594	3571	3782
40.0	3001	3147	3050	3165	3205	3614	3540	3351	2994	2953	2913	3023
45.0	2128	2153	2327	2459	2511	2618	2521	2300	2216	2236	2191	2150
50.0	1456	1561	1765	1791	1833	1710	1617	1660	1603	1587	1553	1505
55.0	1073	1263	1384	1352	1380	1185	1101	1259	1252	1284	1261	1090
60.0	825	972	1172	1158	1190	839	823	944	1021	1072	1047	829
65.0	630	737	931	938	963	627	600	705	823	872	851	661
70.0	454	600	802	807	831	489	402	563	665	718	696	485
75.0	291	485	606	614	640	320	245	430	397	429	412	315
80.0	159	288	310	356	368	197	128	258	279	347	331	223
85.0	74.7	180	260	289	313	110	47.0	154	170	216	198	126
90.0	21.6	91.7	137	145	162	47.0	8.42	91.7	115	138	132	62.7
95.0	10.8	72.4	125	141	151	40.0	2.25	91.9	135	162	155	57.9
100.0	5.75	70.1	125	137	145	33.8	0.00	78.1	115	138	132	50.0
105.0	4.54	78.3	120	129	135	35.8	0.00	88.7	117	134	130	48.8
110.0	4.67	83.0	117	123	128	33.7	0.07	89.7	121	132	128	47.7
115.0	5.51	75.9	121	129	135	31.8	2.49	79.2	120	135	131	37.3
120.0	5.63	63.1	122	127	131	26.3	5.88	74.6	121	136	135	28.3
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
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