

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

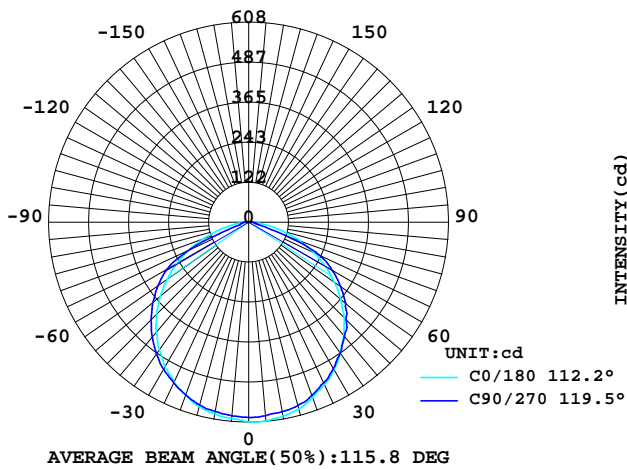
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

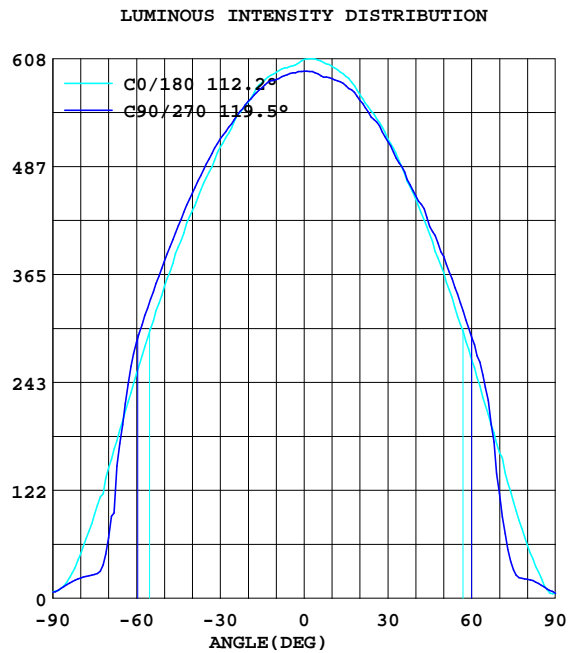
MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:		I _{max} (cd):	608.4	Effective Flux(lm):	1655.5
NOMINAL POWER(W):	18	MAXIMUM(C, γ):	180, 3.0	EEI	0.145
RATED VOLTAGE(V):	220	EFFICIENCY(%):	168.9	Voltage(V)	220.8
NOMINAL FLUX(lm):	1000.0	η street_up(%):	0.0	Current(A)	0.081
TEST FLUX(lm):	1000	η street_down(%):	82.2	Power(W)	17.60
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.974
TOTAL FLUX(lm):	1689	η house_down(%):	86.6	EFFICIENCY(lm/W)	95.9

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

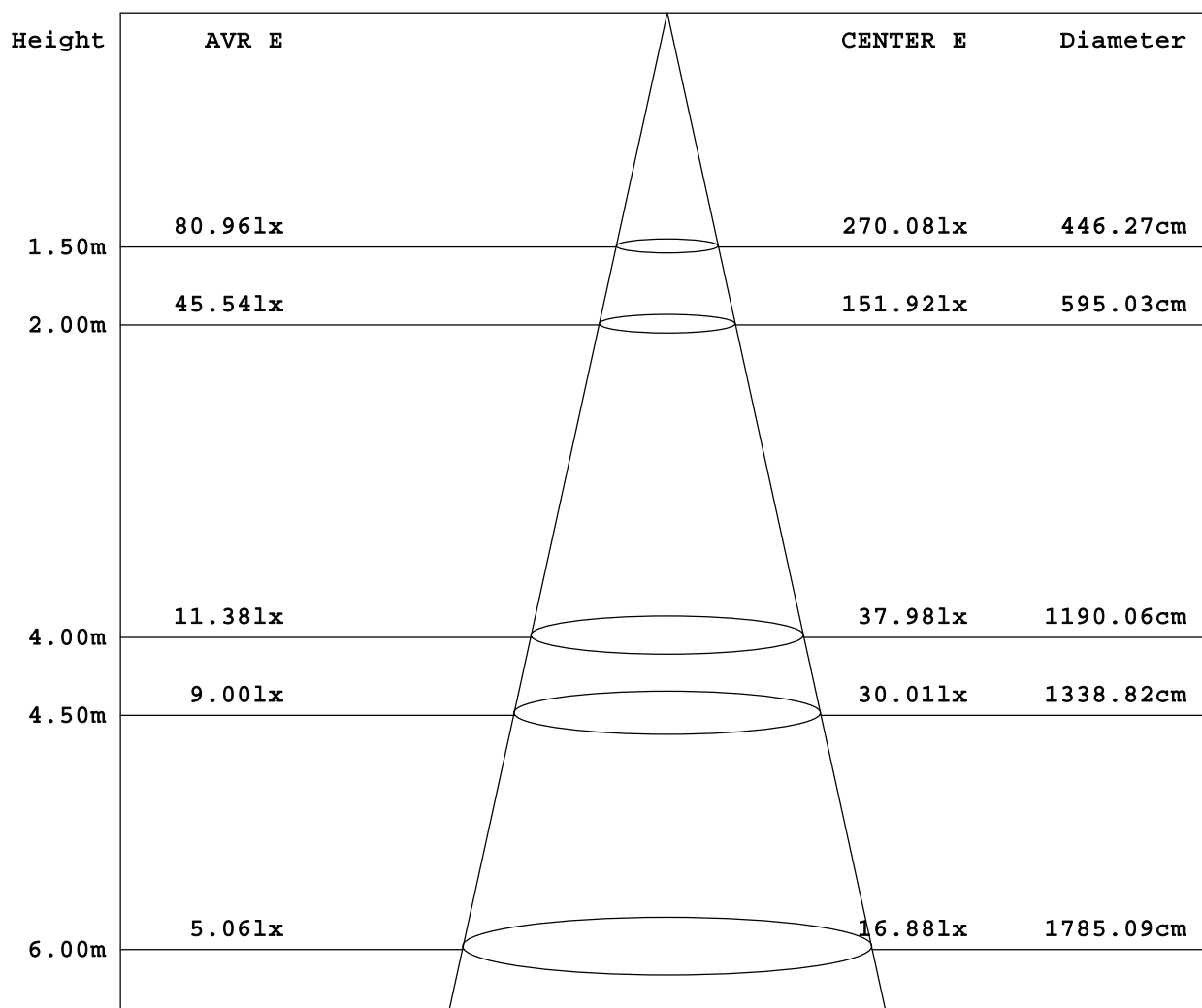
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:112.2deg

Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	599.5	595.8	591.5	585.5	606.8	603.3	591.1	583.2	0- 5	14.25	14.25
10.0	592.8	589.6	584.7	578.1	599.7	597.2	586.0	576.6	5- 10	42.29	56.55
15.0	581.3	577.5	575.7	563.1	588.2	586.0	578.0	567.6	10- 15	69.15	125.7
20.0	559.1	561.2	560.3	544.5	567.9	568.1	561.3	556.4	15- 20	93.72	219.4
25.0	537.2	537.9	539.2	520.5	545.7	544.6	539.8	536.8	20- 25	115.1	334.5
30.0	508.5	511.5	517.8	495.0	518.0	518.7	514.9	510.9	25- 30	132.7	467.3
35.0	474.1	479.6	489.3	466.3	486.3	487.6	486.7	483.8	30- 35	146.1	613.5
40.0	437.1	444.5	457.2	433.0	450.6	446.7	453.9	453.5	35- 40	154.8	768.4
45.0	396.5	407.3	420.3	394.4	410.6	409.5	419.1	417.9	40- 45	158.6	927.0
50.0	351.3	363.9	379.9	354.9	366.8	374.0	385.1	376.3	45- 50	157.3	1084
55.0	303.9	318.9	337.1	311.3	317.8	319.5	342.9	334.3	50- 55	150.5	1235
60.0	253.0	273.3	288.5	265.4	268.8	278.2	294.1	290.5	55- 60	138.5	1373
65.0	200.0	222.8	195.7	216.8	217.3	236.7	237.7	245.9	60- 65	121.5	1495
70.0	146.9	167.9	68.40	135.6	164.4	186.4	118.1	193.4	65- 70	94.16	1589
75.0	94.78	69.13	26.77	32.68	108.3	106.8	31.95	104.9	70- 75	57.10	1646
80.0	50.17	15.58	22.83	16.87	60.18	24.91	21.60	22.89	75- 80	24.72	1671
85.0	17.77	9.618	15.18	11.41	22.38	15.07	14.73	15.24	80- 85	11.98	1683
90.0	7.368	4.781	7.087	4.668	5.681	7.706	5.625	8.831	85- 90	5.476	1689
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

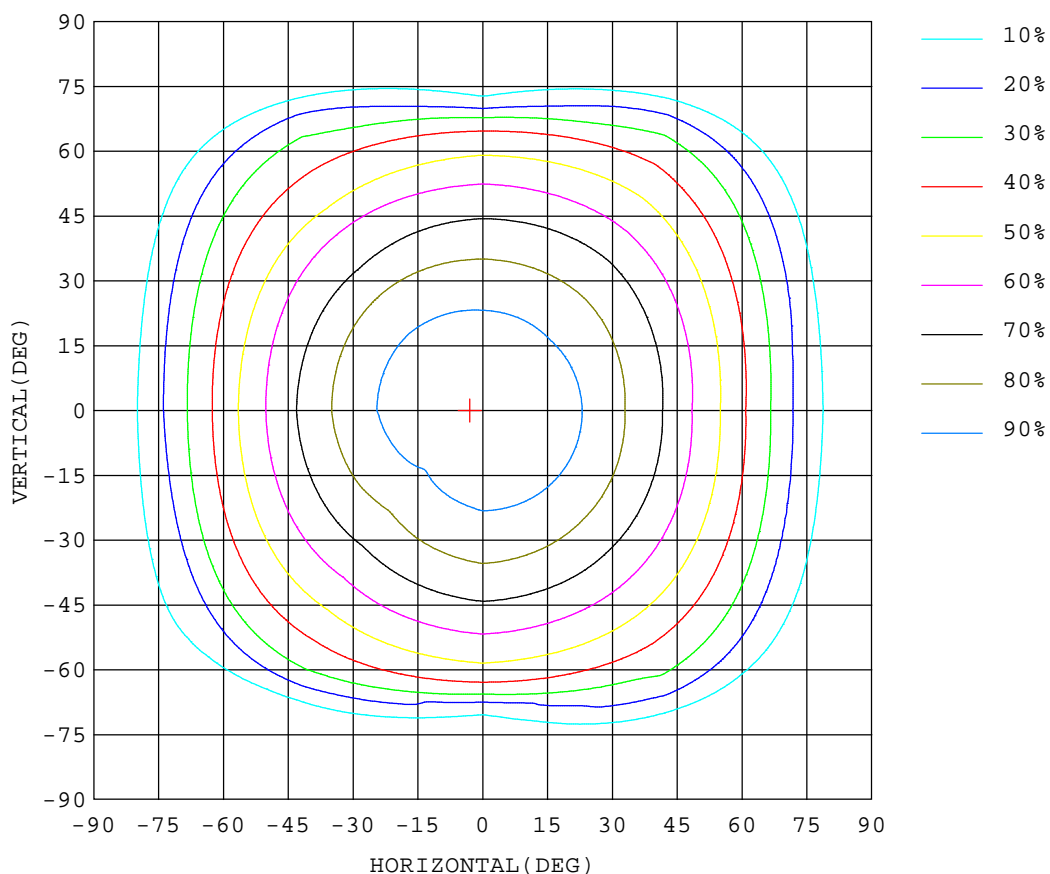
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

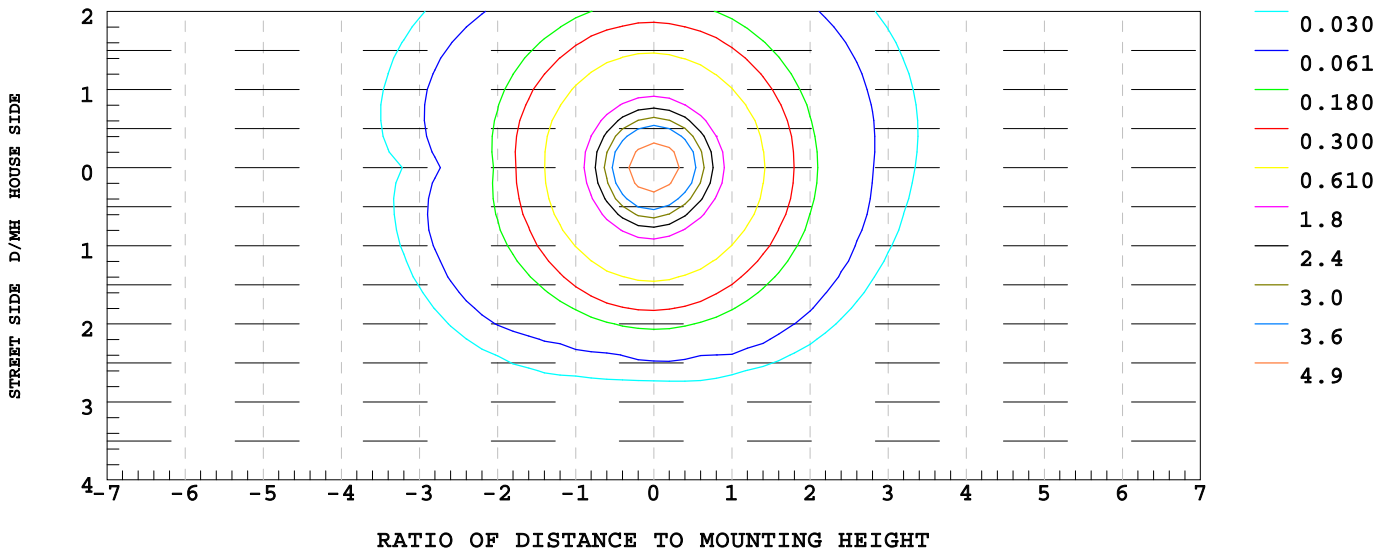
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 6.08 lx



Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

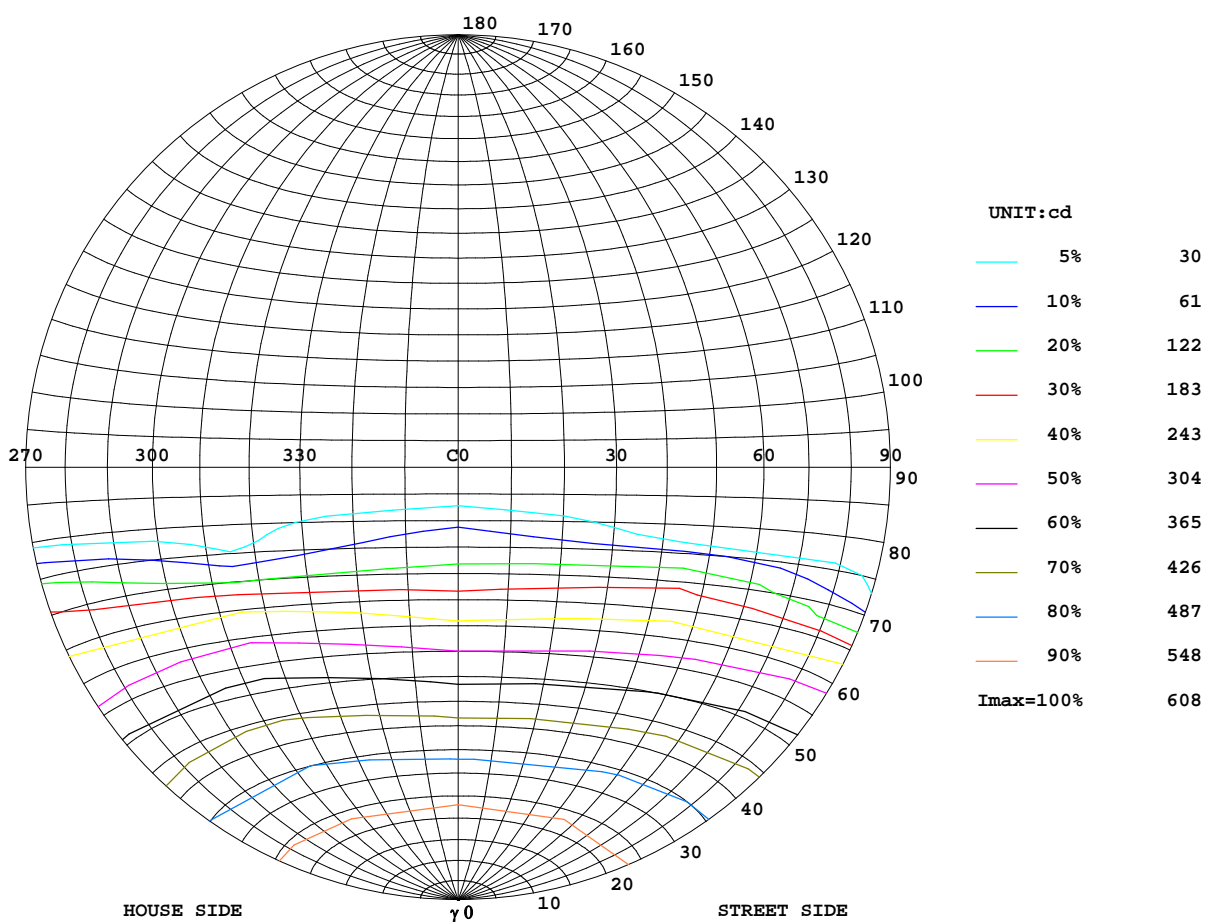
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

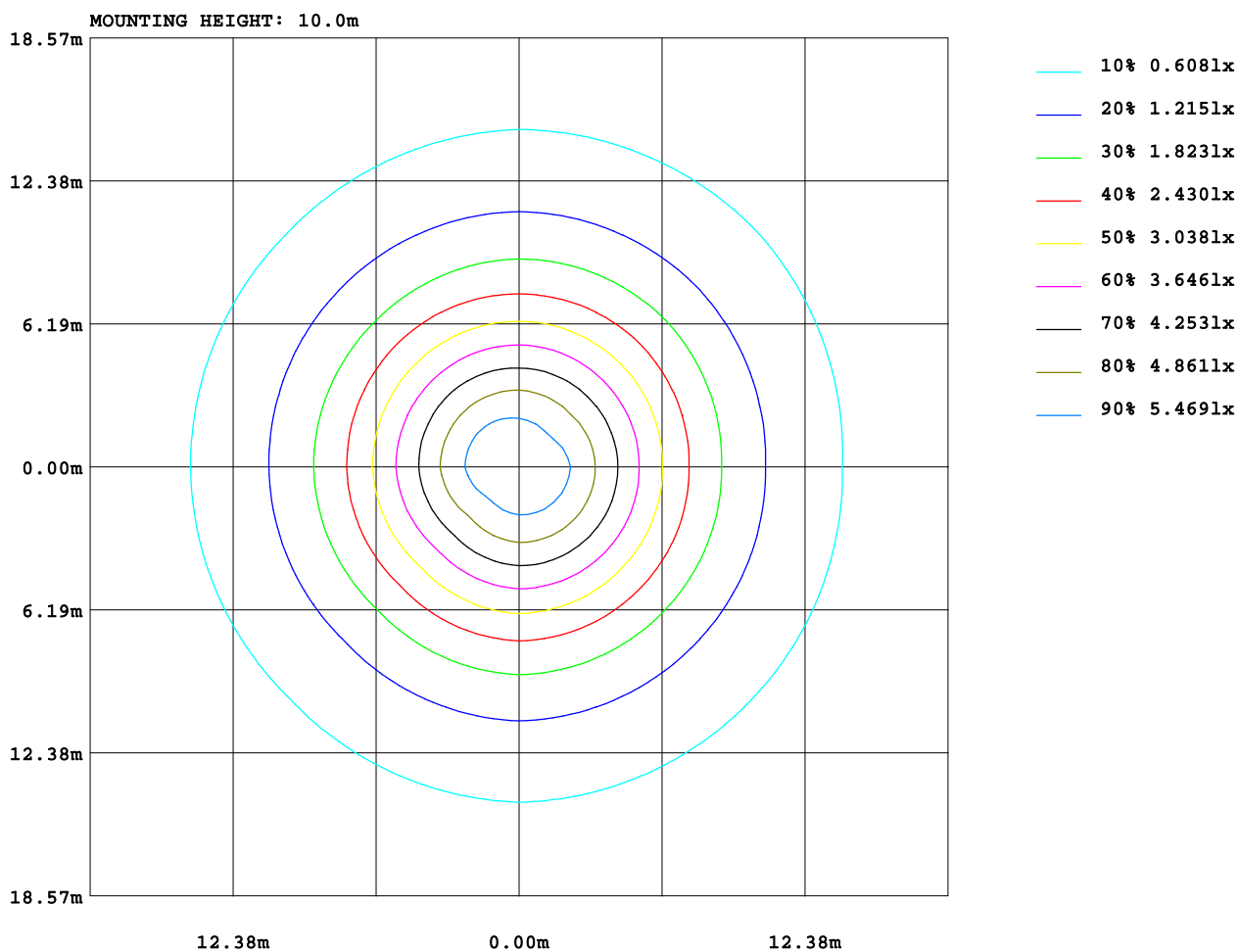
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

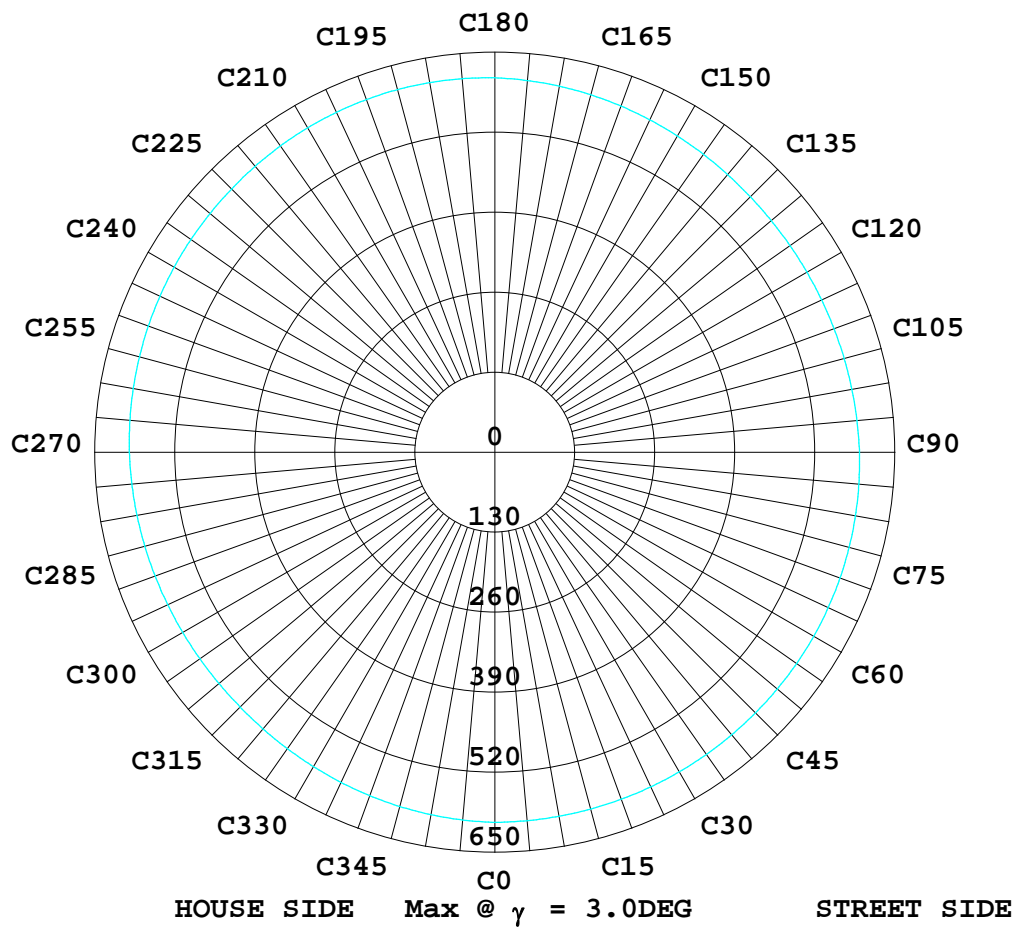
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

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	0.02	0.06	0.13	0.21	0.29	0.34	0.39	0.43	0.44	0.44	0.42	0.39	0.34	0.29	0.22	0.14	0.07	0.02	4.64	0.00	
80	0.02	0.12	0.30	0.51	0.83	1.32	1.67	1.74	1.56	1.56	1.75	1.66	1.30	0.80	0.46	0.26	0.11	0.02	16.0	8.26	
70	0.03	0.22	0.62	1.59	3.16	4.42	5.46	6.33	6.81	6.84	6.42	5.59	4.54	3.18	1.52	0.55	0.18	0.03	57.5	55.7	
60	0.04	0.34	1.23	2.95	4.79	6.53	8.10	9.41	10.2	10.2	9.57	8.37	6.79	4.92	2.90	1.14	0.29	0.04	87.9	87.1	
50	0.05	0.49	1.84	3.80	5.92	8.11	10.2	11.8	12.6	12.6	11.8	10.3	8.39	6.08	3.77	1.72	0.42	0.05	110	110	
40	0.07	0.65	2.26	4.46	6.98	9.69	11.9	13.7	14.6	14.6	13.7	12.1	9.73	7.04	4.41	2.13	0.57	0.06	129	128	
30	0.08	0.78	2.55	4.98	7.91	10.7	13.4	15.3	16.3	16.2	15.1	13.3	10.7	7.80	4.89	2.40	0.69	0.06	144	143	
	0.09	0.87	2.74	5.36	8.48	11.6	14.4	16.5	17.4	17.2	16.1	14.1	11.4	8.31	5.20	2.57	0.76	0.07	154	153	
	0.09	0.91	2.82	5.56	8.78	12.0	14.9	17.1	18.1	17.7	16.8	14.6	11.7	8.53	5.33	2.62	0.79	0.08	159	159	
	0.09	0.89	2.81	5.54	8.74	11.9	14.7	16.8	17.8	17.9	16.9	14.7	11.7	8.50	5.31	2.60	0.78	0.08	158	158	
	0.09	0.82	2.69	5.32	8.36	11.4	14.0	15.9	17.1	17.3	16.3	14.2	11.3	8.23	5.14	2.52	0.73	0.07	152	152	
-30	0.08	0.71	2.46	4.91	7.72	10.5	12.9	14.8	16.1	16.2	15.2	13.2	10.6	7.66	4.78	2.33	0.65	0.06	141	141	
-40	0.07	0.57	2.07	4.33	6.83	9.30	11.5	13.4	14.5	14.6	13.6	11.8	9.47	6.83	4.24	2.02	0.53	0.05	126	126	
-50	0.05	0.44	1.50	3.56	5.72	7.87	9.91	11.5	12.5	12.5	11.6	10.0	8.04	5.77	3.53	1.56	0.39	0.05	107	106	
-60	0.04	0.32	0.88	2.33	4.35	6.14	7.84	9.20	10.0	10.0	9.29	7.97	6.29	4.49	2.58	0.93	0.27	0.04	83.0	81.9	
-70	0.03	0.21	0.51	0.88	1.85	3.25	4.41	5.28	5.71	5.75	5.40	4.69	3.80	2.54	1.10	0.45	0.17	0.03	46.1	43.2	
-80	0.02	0.11	0.27	0.40	0.41	0.58	0.84	1.00	1.01	1.10	1.24	1.14	0.82	0.47	0.36	0.23	0.10	0.02	10.1	2.04	
-90	0.01	0.05	0.10	0.16	0.20	0.26	0.33	0.39	0.44	0.44	0.39	0.32	0.25	0.19	0.15	0.10	0.06	0.02	3.85	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
Φ t	0.95	8.54	27.8	56.9	91.3	126	157	181	194	194	182	159	128	91.6	55.9	26.3	7.55	0.84	1689		
Φ a	0.00	6.35	25.7	54.9	89.6	124	155	179	191	191	180	157	126	90.0	54.1	24.3	5.12	0.00		1655	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

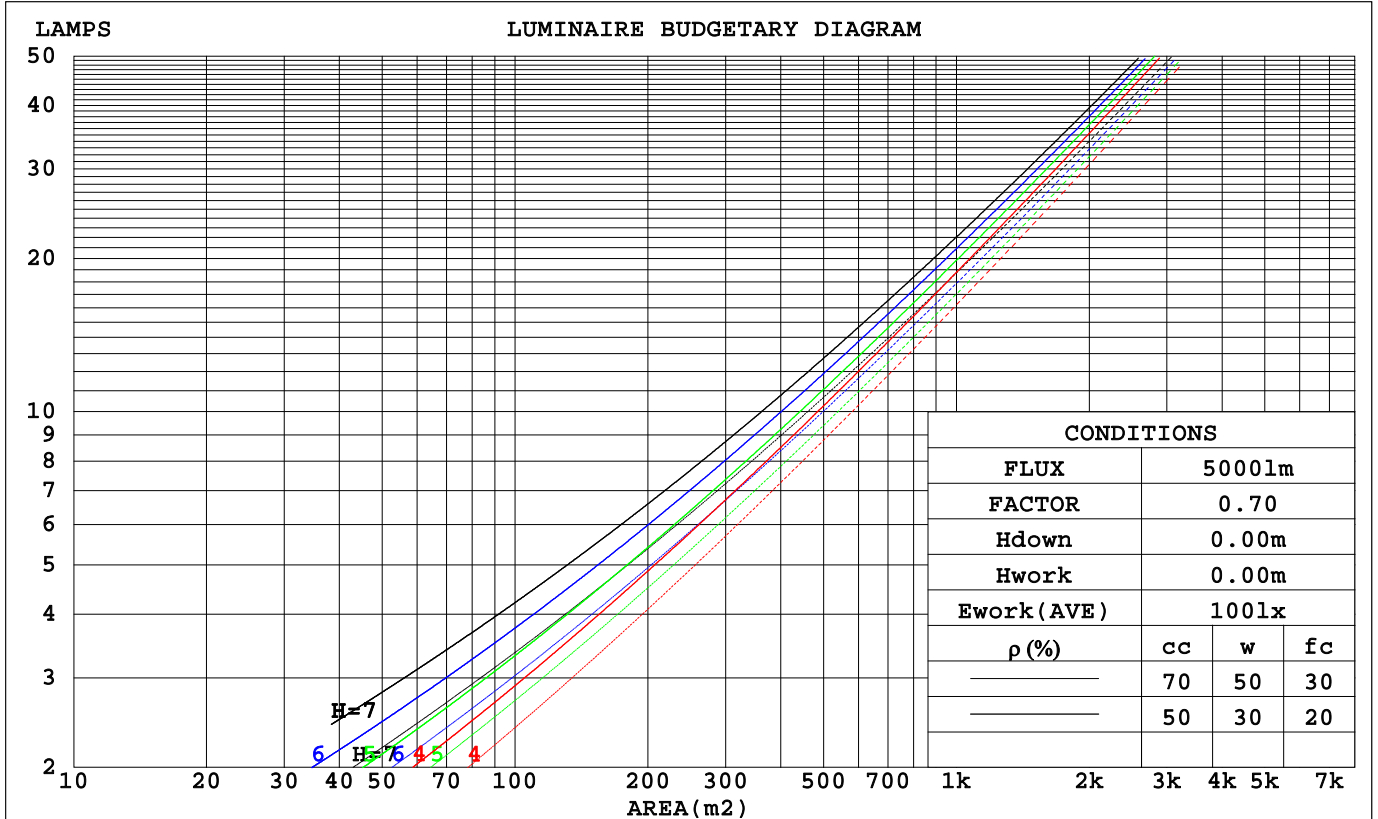
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: PUFA				Address:			
NAME: HL-2G11-17W-180-830				TYPE:		WEIGHT:	
SPECIFICATION:				DIMENSION:		SERIAL No.:	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	2.01	2.01	2.01	1.96	1.96	1.96	1.88	1.88	1.88	1.80	1.80	1.80	1.72	1.72	1.72	1.69
1.0	1.77	1.70	1.64	1.73	1.67	1.61	1.66	1.61	1.56	1.59	1.55	1.51	1.53	1.50	1.47	1.43
2.0	1.55	1.44	1.34	1.52	1.41	1.33	1.46	1.37	1.29	1.40	1.33	1.27	1.35	1.29	1.24	1.20
3.0	1.36	1.22	1.12	1.33	1.21	1.11	1.28	1.18	1.09	1.24	1.14	1.07	1.19	1.12	1.05	1.01
4.0	1.20	1.06	.95	1.18	1.04	.94	1.14	1.02	.93	1.10	.90	.91	1.06	.97	.90	.86
5.0	1.07	.92	.81	1.06	.91	.81	1.02	.89	.80	.99	.88	.79	.95	.86	.78	.75
6.0	.97	.82	.71	.95	.81	.70	.92	.79	.70	.89	.78	.69	.86	.76	.69	.65
7.0	.87	.73	.62	.86	.72	.62	.84	.71	.62	.81	.70	.61	.79	.69	.61	.57
8.0	.80	.65	.56	.79	.65	.55	.76	.64	.55	.74	.63	.55	.72	.62	.54	.51
9.0	.73	.59	.50	.72	.59	.50	.70	.58	.50	.68	.57	.49	.67	.56	.49	.46
10.0	.67	.54	.45	.67	.54	.45	.65	.53	.45	.63	.52	.45	.62	.52	.44	.42



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER: PUFA	Address:					
NAME: HL-2G11-17W-180-830	TYPE:			WEIGHT:		
SPECIFICATION:	DIMENSION:			SERIAL No.:		

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.493	.281	.089	.482	.275	.087	.459	.263	.084	.439	.253	.081	.420	.243	.078	
2.0	.474	.260	.080	.463	.255	.079	.444	.247	.077	.426	.239	.075	.409	.231	.073	
3.0	.444	.236	.071	.434	.233	.070	.417	.226	.069	.401	.220	.067	.386	.214	.066	
4.0	.412	.214	.063	.404	.212	.063	.389	.206	.062	.375	.201	.061	.361	.196	.060	
5.0	.383	.195	.057	.376	.193	.056	.362	.189	.056	.350	.184	.055	.338	.180	.054	
6.0	.357	.179	.051	.350	.177	.051	.338	.173	.050	.327	.170	.050	.316	.166	.049	
7.0	.333	.165	.047	.327	.163	.046	.316	.160	.046	.306	.157	.046	.296	.154	.045	
8.0	.311	.152	.043	.306	.151	.043	.296	.148	.042	.287	.146	.042	.279	.143	.042	
9.0	.292	.141	.039	.288	.140	.039	.279	.138	.039	.271	.136	.039	.263	.133	.039	
10.0	.275	.132	.037	.271	.131	.036	.263	.129	.036	.255	.127	.036	.248	.125	.036	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.322	.322	.322	.275	.275	.275	.188	.188	.188	.108	.108	.108	.034	.034	.034	
1.0	.302	.264	.229	.259	.226	.197	.177	.156	.136	.102	.090	.079	.033	.029	.026	
2.0	.288	.223	.168	.247	.192	.145	.169	.133	.101	.098	.077	.059	.031	.025	.019	
3.0	.275	.193	.127	.236	.166	.110	.162	.116	.077	.094	.068	.046	.030	.022	.015	
4.0	.263	.170	.100	.226	.147	.087	.155	.103	.061	.090	.060	.036	.029	.020	.012	
5.0	.251	.153	.080	.215	.132	.070	.148	.092	.049	.086	.054	.029	.028	.018	.010	
6.0	.239	.139	.067	.205	.120	.058	.142	.084	.041	.082	.049	.024	.027	.016	.008	
7.0	.228	.127	.056	.196	.110	.049	.135	.077	.035	.079	.045	.021	.025	.015	.007	
8.0	.217	.117	.049	.187	.102	.042	.129	.071	.030	.075	.042	.018	.024	.014	.006	
9.0	.207	.109	.043	.178	.094	.037	.123	.066	.026	.072	.039	.016	.023	.013	.005	
10.0	.197	.102	.038	.170	.088	.033	.118	.062	.024	.069	.037	.014	.022	.012	.005	

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER: PUFA						Address:					
NAME: HL-2G11-17W-180-830						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	18.8	20.3	19.0	20.5	20.7	19.2	20.7	19.4	20.9	21.1	
3H	20.1	21.5	20.4	21.8	22.0	19.8	21.2	20.1	21.5	21.7	
4H	20.5	21.9	20.9	22.1	22.4	19.8	21.1	20.1	21.4	21.7	
6H	20.7	22.0	21.1	22.2	22.5	19.8	21.0	20.1	21.3	21.6	
8H	20.8	22.0	21.1	22.3	22.5	19.8	21.0	20.1	21.3	21.5	
12H	20.8	21.9	21.1	22.2	22.5	19.8	20.9	20.1	21.2	21.5	
4H 2H	19.4	20.8	19.8	21.0	21.3	19.7	21.0	20.0	21.3	21.6	
3H	21.0	22.1	21.3	22.4	22.7	20.6	21.7	20.9	22.0	22.3	
4H	21.4	22.4	21.8	22.8	23.1	20.6	21.7	21.0	22.0	22.3	
6H	21.6	22.6	22.0	22.9	23.3	20.6	21.5	21.0	21.9	22.3	
8H	21.7	22.5	22.1	22.9	23.3	20.6	21.5	21.0	21.8	22.2	
12H	21.7	22.5	22.1	22.9	23.3	20.6	21.4	21.1	21.8	22.2	
8H 4H	21.4	22.3	21.8	22.7	23.0	20.7	21.6	21.1	21.9	22.3	
6H	21.7	22.4	22.1	22.8	23.2	20.7	21.4	21.2	21.8	22.3	
8H	21.8	22.4	22.3	22.8	23.3	20.8	21.4	21.2	21.8	22.3	
12H	21.9	22.4	22.3	22.8	23.3	20.8	21.4	21.3	21.8	22.3	
12H 4H	21.4	22.2	21.8	22.6	23.0	20.7	21.5	21.1	21.9	22.3	
6H	21.7	22.3	22.1	22.7	23.2	20.7	21.3	21.2	21.8	22.2	
8H	21.8	22.3	22.3	22.8	23.2	20.8	21.3	21.2	21.7	22.2	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4					
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.6					
2.0H	+ 0.3 / - 0.4					+ 0.5 / - 1.0					

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux. (8log(F/F0) = 0.0)

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: PUFA	Address:		
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	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	98	78	66	96	78	66	94	77	66	55
0.80	115	96	83	113	95	83	110	93	82	71
1.00	130	111	99	128	110	99	124	112	98	86
1.25	142	124	113	139	123	112	135	121	111	98
1.50	150	134	123	148	133	122	142	130	120	107
2.00	162	148	138	159	146	136	153	142	134	121
2.50	168	156	146	165	154	145	159	149	141	128
3.00	174	163	154	170	160	152	164	156	149	135
4.00	181	172	164	177	169	162	170	163	157	143
5.00	185	177	170	181	174	168	173	168	163	147
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: PUFA	Address:	
NAME: HL-2G11-17W-180-830	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C(DEG)							
	0	45	90	135	180	225	270	315
0.0	608	603	594	588	608	603	594	588
5.0	600	596	592	586	607	603	591	583
10.0	593	590	585	578	600	597	586	577
15.0	581	578	576	563	588	586	578	568
20.0	559	561	560	545	568	568	561	556
25.0	537	538	539	521	546	545	540	537
30.0	509	512	518	495	518	519	515	511
35.0	474	480	489	466	486	488	487	484
40.0	437	445	457	433	451	447	454	454
45.0	397	407	420	394	411	410	419	418
50.0	351	364	380	355	367	374	385	376
55.0	304	319	337	311	318	320	343	334
60.0	253	273	289	265	269	278	294	291
65.0	200	223	196	217	217	237	238	246
70.0	147	168	68.4	136	164	186	118	193
75.0	94.7	69.1	26.7	32.6	108	107	31.9	105
80.0	50.1	15.5	22.8	16.8	60.1	24.9	21.6	22.8
85.0	17.7	9.61	15.1	11.4	22.3	15.0	14.7	15.2
90.0	7.36	4.78	7.08	4.66	5.68	7.70	5.62	8.83

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2014年09月17日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks: