

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

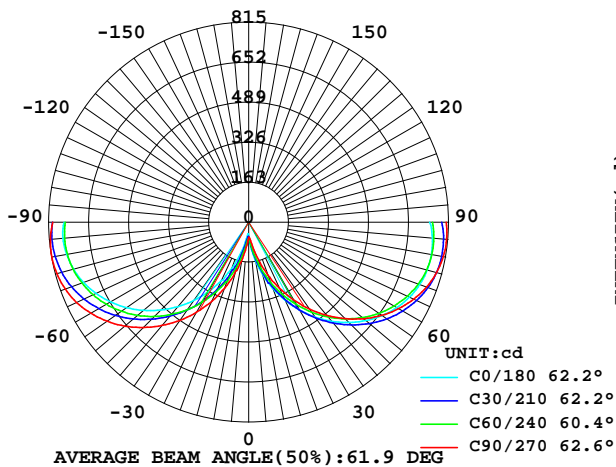
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

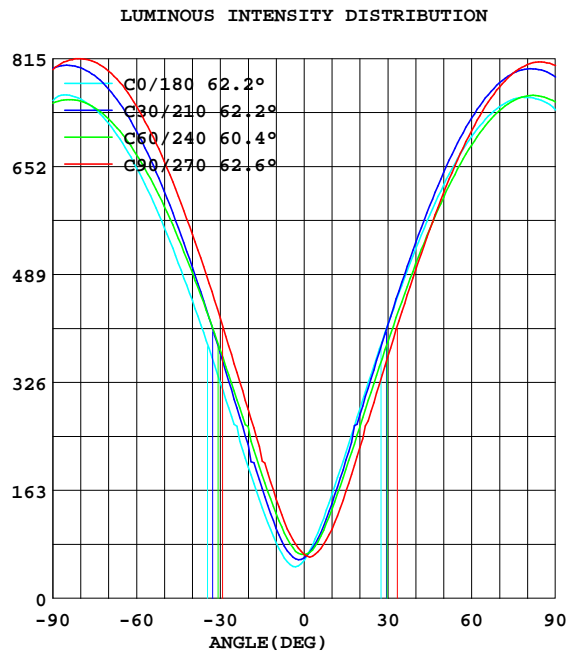
MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

MODEL:		I _{max} (cd):	815.3	Effective Flux(lm):	3916.9
NOMINAL POWER(W):	44	MAXIMUM(C, γ):	90, 81.0	EEI	0.154
RATED VOLTAGE(V):	230	EFFICIENCY(%):	230.5	Voltage(V)	230.8
NOMINAL FLUX(lm):	1700.0	η street_up(%):	0.0	Current(A)	0.204
TEST FLUX(lm):	1000	η street_down(%):	115.9	Power(W)	44.40
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.940
TOTAL FLUX(lm):	3919	η house_down(%):	114.6	EFFICIENCY(lm/W)	88.3

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

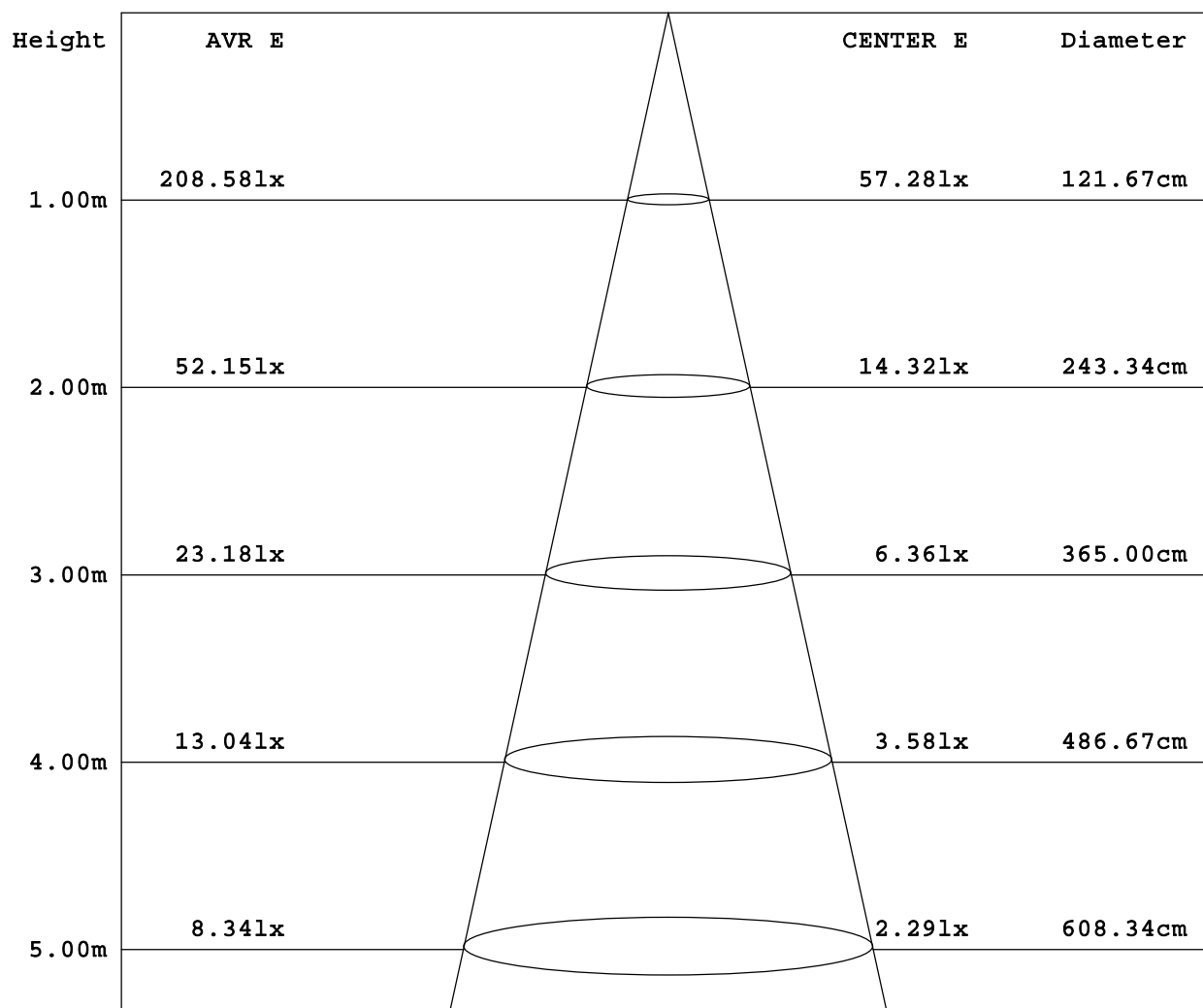
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle: 62.6deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13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:		Address:	
NAME: B22-45W		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	50.96	74.73	96.39	106.3	98.97	87.87	70.47	57.37	0- 5	1.724	1.724
10.0	84.62	116.9	150.2	164.3	157.3	138.8	104.1	89.31	5- 10	7.465	9.189
15.0	136.5	175.5	207.2	228.6	219.7	201.6	161.3	144.2	10- 15	18.67	27.86
20.0	198.3	245.8	285.5	296.2	286.0	268.1	228.0	204.9	15- 20	36.38	64.25
25.0	262.7	306.8	354.2	362.3	351.2	334.8	295.7	276.3	20- 25	60.18	124.4
30.0	325.4	372.2	423.2	426.2	413.0	399.9	365.0	343.9	25- 30	89.22	213.6
35.0	389.0	436.1	489.2	488.0	472.4	462.6	432.7	410.3	30- 35	122.8	336.5
40.0	449.8	495.8	549.7	545.1	528.0	521.2	496.0	472.8	35- 40	159.7	496.3
45.0	505.8	551.7	607.3	597.3	578.4	575.4	556.7	531.9	40- 45	198.6	695.0
50.0	559.5	603.2	660.0	645.3	624.4	624.7	613.2	587.0	45- 50	238.3	933.3
55.0	608.4	648.5	704.5	686.9	664.3	668.2	662.2	635.9	50- 55	277.4	1211
60.0	650.1	687.9	743.3	722.0	697.3	705.2	706.2	679.4	55- 60	314.4	1525
65.0	687.3	720.9	774.9	750.9	723.8	735.0	743.4	716.4	60- 65	348.0	1873
70.0	717.6	746.6	796.1	771.5	742.7	757.9	772.1	745.9	65- 70	376.9	2250
75.0	739.3	765.4	810.2	783.9	754.1	772.6	793.6	768.1	70- 75	400.0	2650
80.0	754.0	776.2	815.2	788.4	756.8	779.2	806.2	781.8	75- 80	416.4	3067
85.0	760.4	779.2	811.3	784.9	752.0	778.1	810.2	787.6	80- 85	425.5	3492
90.0	751.9	774.2	798.6	772.7	737.8	768.7	805.1	785.3	85- 90	426.8	3919
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:2015年01月13日

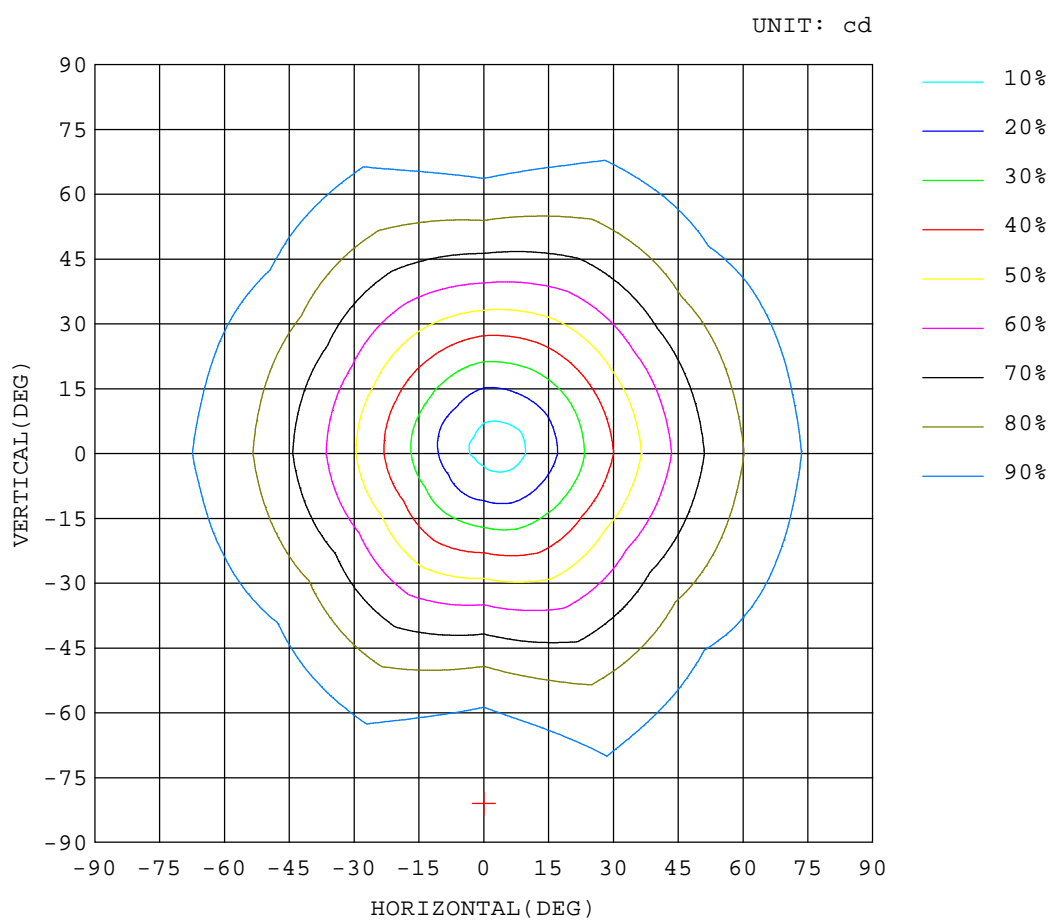
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

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

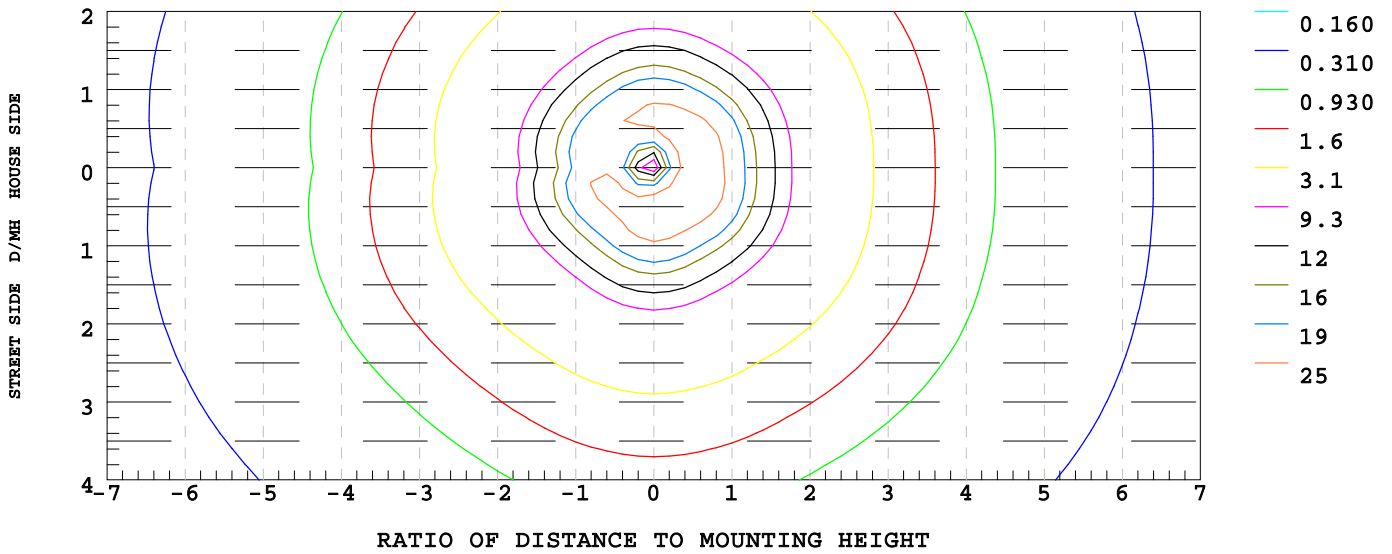
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=3 m, Enadir = 6.36 lx



Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

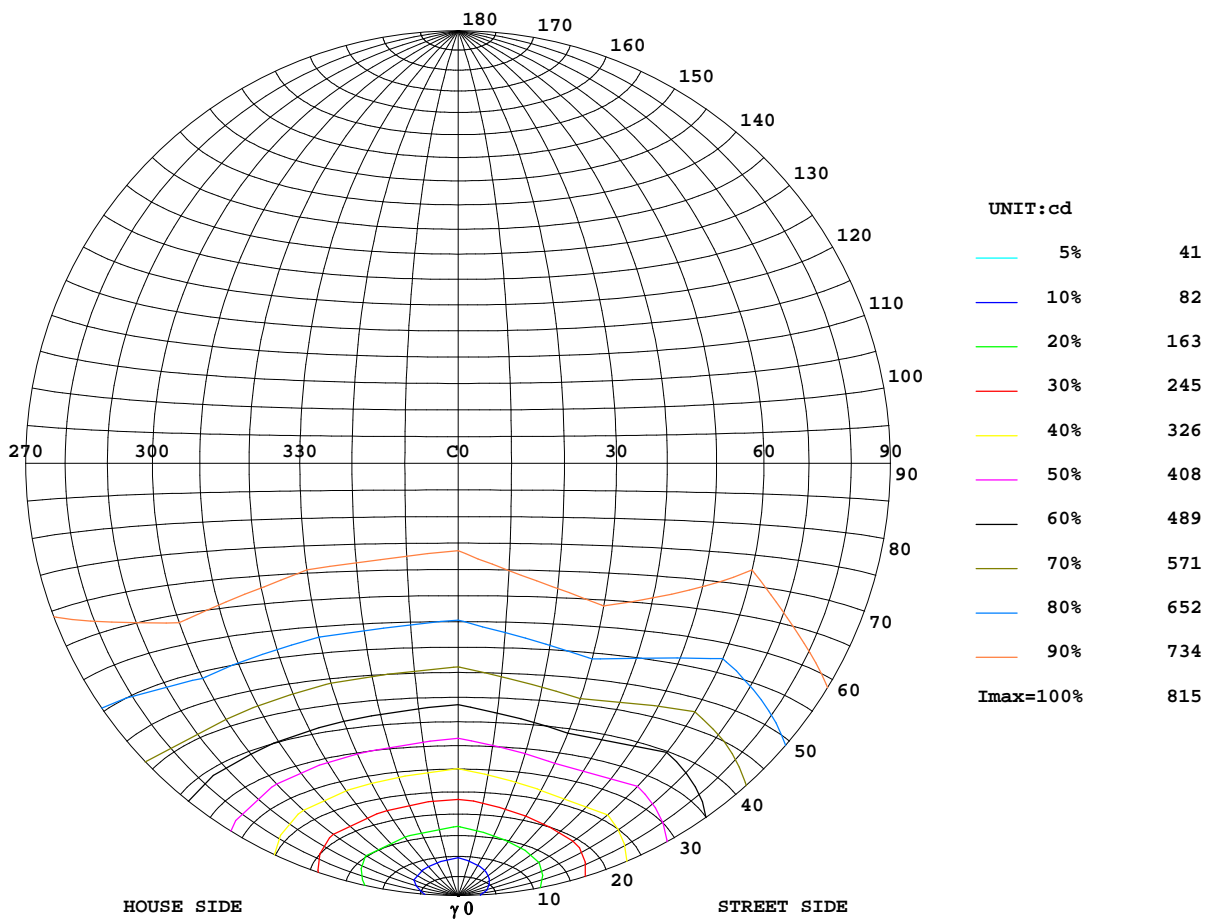
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

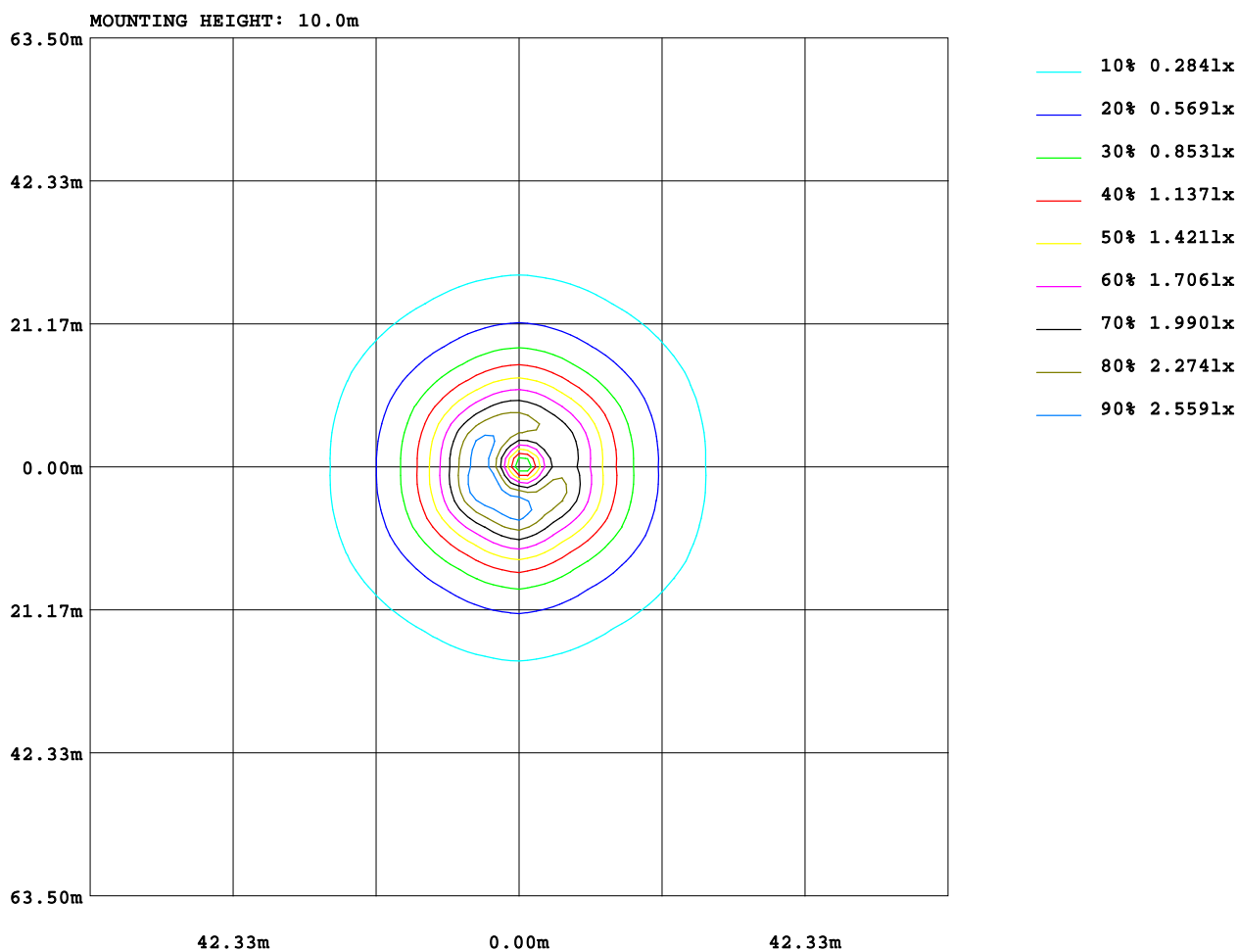
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

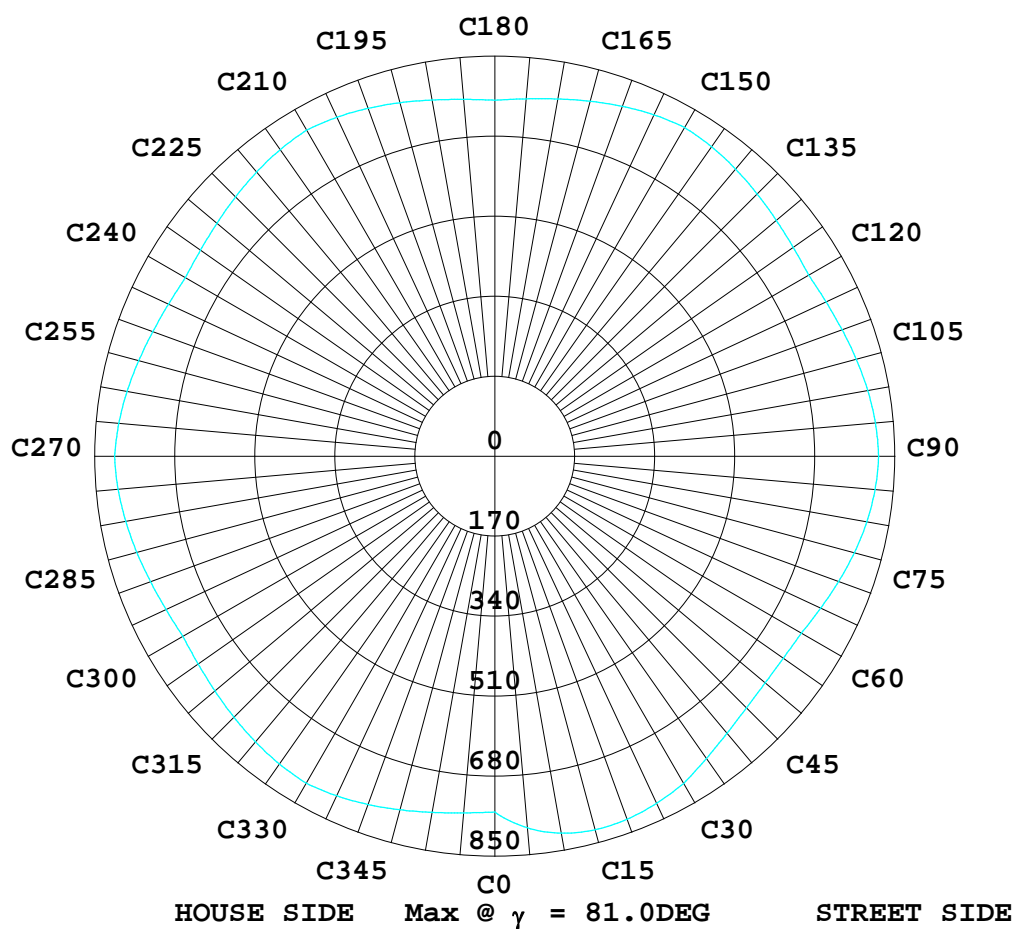
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:7.500 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13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:	Address:					
NAME: B22-45W	TYPE:			WEIGHT:		
SPECIFICATION:	DIMENSION:			SERIAL No.:		

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a					
	1.99	6.04	10.0	13.7	16.6	19.0	21.1	23.0	24.2	24.2	23.1	21.3	19.2	16.9	13.9	10.2	6.15	2.02	273	273						
80	2.00	6.08	10.1	13.8	16.7	19.0	20.9	22.6	23.7	23.7	22.6	20.9	19.0	16.8	13.9	10.2	6.16	2.03	271	271						
70	2.00	6.10	10.1	13.7	16.5	18.5	20.1	21.4	22.3	22.2	21.3	19.8	18.3	16.3	13.6	10.1	6.14	2.03	261	261						
60	2.00	6.09	10.0	13.5	16.0	17.7	18.6	19.5	20.0	19.8	19.1	18.2	17.2	15.6	13.2	9.94	6.10	2.03	245	245						
50	2.01	6.07	9.92	13.1	15.4	16.5	16.8	16.9	16.9	16.7	16.3	16.0	15.7	14.7	12.7	9.71	6.04	2.03	224	224						
40	2.00	6.04	9.74	12.7	14.6	15.2	14.8	14.0	13.3	13.0	13.1	13.7	14.0	13.7	12.1	9.46	5.98	2.02	200	200						
30	2.00	6.00	9.57	12.2	13.7	13.8	12.7	11.0	9.56	9.06	9.82	11.2	12.4	12.5	11.5	9.21	5.92	2.02	175	175						
	2.00	5.96	9.42	11.8	12.9	12.6	10.9	8.40	5.93	5.13	6.63	8.98	10.8	11.6	11.0	9.00	5.86	2.01	151	151						
	2.00	5.93	9.31	11.6	12.5	11.8	9.81	6.69	3.46	2.32	4.43	7.54	9.90	11.0	10.6	8.85	5.81	2.01	136	134						
	2.00	5.93	9.32	11.6	12.5	12.0	10.0	7.15	4.08	2.96	4.91	7.82	10.0	11.1	10.7	8.86	5.81	2.01	139	138						
	2.00	5.98	9.47	11.9	13.2	13.0	11.6	9.22	7.10	6.42	7.54	9.71	11.3	11.8	11.1	9.04	5.86	2.01	159	159						
-30	2.00	6.02	9.64	12.4	14.1	14.4	13.4	11.8	10.9	10.4	10.6	11.9	13.0	12.9	11.6	9.26	5.92	2.02	183	183						
-40	2.01	6.06	9.83	12.9	15.0	15.7	15.4	14.8	14.7	14.4	14.0	14.2	14.5	14.0	12.2	9.52	5.99	2.02	208	208						
-50	2.01	6.10	10.0	13.4	15.8	17.0	17.3	17.8	18.2	18.0	17.1	16.4	16.0	15.0	12.9	9.77	6.05	2.03	231	231						
-60	2.01	6.12	10.1	13.7	16.4	18.1	19.1	20.3	21.1	20.9	19.7	18.3	17.3	15.7	13.4	9.98	6.10	2.03	251	251						
-70	2.00	6.12	10.2	13.9	16.8	18.9	20.5	22.1	23.2	23.0	21.6	19.8	18.2	16.3	13.7	10.1	6.14	2.03	265	265						
-80	2.00	6.10	10.2	13.9	16.9	19.3	21.2	23.1	24.2	24.1	22.7	20.7	18.8	16.6	13.8	10.2	6.16	2.03	273	273						
-90	1.99	6.05	10.1	13.8	16.8	19.2	21.3	23.1	24.3	24.2	22.9	20.9	18.9	16.7	13.8	10.2	6.14	2.02	273	273						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	36.1	109	177	235	273	292	296	294	288	281	278	278	275	260	226	174	108	36.5	3919							
Φ a	36.1	109	177	235	273	292	296	294	287	280	278	278	275	260	226	174	108	36.5			3917					

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

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

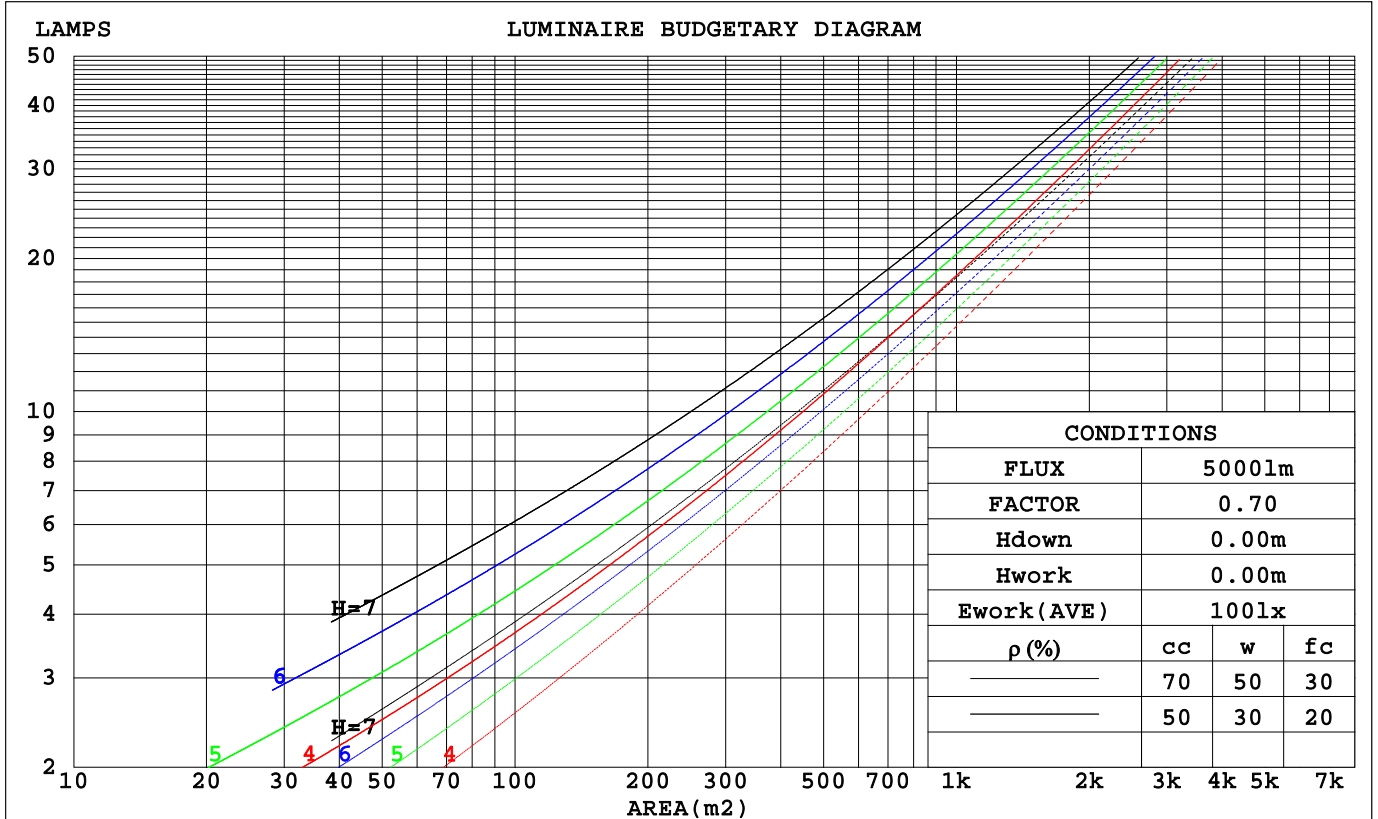
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:			
NAME: B22-45W				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	2.74	2.74	2.74	2.68	2.68	2.68	2.56	2.56	2.56	2.45	2.45	2.45	2.35	2.35	2.35	2.31
1.0	2.03	1.84	1.66	1.98	1.80	1.63	1.87	1.71	1.58	1.76	1.64	1.52	1.67	1.57	1.47	1.41
2.0	1.63	1.37	1.15	1.58	1.34	1.14	1.49	1.28	1.10	1.40	1.23	1.07	1.32	1.18	1.05	.98
3.0	1.35	1.07	.85	1.31	1.05	.84	1.23	1.00	.82	1.16	.96	.80	1.09	.92	.78	.71
4.0	1.15	.87	.65	1.11	.85	.64	1.05	.81	.63	.98	.78	.62	.93	.75	.60	.54
5.0	.99	.72	.51	.97	.70	.51	.91	.68	.50	.86	.65	.49	.81	.63	.48	.42
6.0	.87	.61	.42	.85	.60	.41	.80	.58	.41	.76	.55	.40	.71	.53	.39	.33
7.0	.78	.52	.35	.75	.51	.34	.71	.50	.34	.68	.48	.33	.64	.46	.33	.27
8.0	.70	.46	.29	.68	.45	.29	.64	.44	.29	.61	.42	.28	.58	.41	.28	.23
9.0	.63	.40	.25	.61	.40	.25	.59	.39	.25	.56	.37	.24	.53	.36	.24	.19
10.0	.58	.36	.22	.56	.36	.22	.54	.35	.21	.51	.34	.21	.49	.33	.21	.16



Test System:HOP00 HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13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:	Address:					
NAME: B22-45W	TYPE:			WEIGHT:		
SPECIFICATION:	DIMENSION:			SERIAL No.:		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	1.407	.800	.253	1.388	.792	.252	1.354	.777	.248	1.323	.763	.245	1.294	.750	.242	
2.0	1.107	.606	.186	1.090	.600	.185	1.059	.589	.183	1.031	.578	.181	1.004	.568	.179	
3.0	.927	.494	.148	.913	.489	.147	.885	.480	.146	.860	.471	.144	.836	.463	.143	
4.0	.801	.416	.122	.788	.412	.122	.763	.405	.121	.741	.398	.120	.720	.391	.119	
5.0	.705	.359	.104	.694	.356	.104	.672	.350	.103	.652	.344	.102	.633	.338	.102	
6.0	.630	.316	.090	.620	.313	.090	.601	.308	.090	.583	.303	.089	.567	.298	.089	
7.0	.570	.282	.080	.561	.280	.080	.544	.275	.079	.528	.271	.079	.513	.267	.078	
8.0	.520	.254	.071	.512	.252	.071	.497	.248	.071	.483	.245	.071	.470	.241	.070	
9.0	.478	.231	.065	.471	.230	.064	.458	.226	.064	.445	.223	.064	.433	.220	.064	
10.0	.443	.212	.059	.436	.211	.059	.424	.208	.059	.413	.205	.058	.402	.202	.058	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.439	.439	.439	.375	.375	.375	.256	.256	.256	.147	.147	.147	.047	.047	.047	
1.0	.464	.354	.255	.397	.304	.219	.271	.209	.152	.156	.121	.088	.050	.039	.029	
2.0	.455	.302	.173	.390	.260	.150	.267	.180	.105	.154	.105	.061	.049	.034	.020	
3.0	.438	.266	.128	.375	.229	.111	.258	.159	.078	.149	.093	.046	.048	.030	.015	
4.0	.417	.238	.101	.358	.206	.088	.246	.143	.062	.142	.084	.036	.046	.027	.012	
5.0	.396	.216	.083	.340	.187	.072	.234	.130	.051	.136	.077	.030	.044	.025	.010	
6.0	.375	.197	.070	.322	.171	.061	.222	.120	.043	.129	.070	.026	.042	.023	.009	
7.0	.354	.182	.061	.305	.158	.053	.211	.111	.038	.122	.065	.023	.040	.021	.007	
8.0	.335	.169	.054	.289	.146	.047	.200	.103	.034	.116	.061	.020	.038	.020	.007	
9.0	.317	.157	.049	.273	.136	.043	.189	.096	.030	.110	.057	.018	.036	.019	.006	
10.0	.301	.147	.045	.259	.128	.039	.180	.090	.028	.105	.053	.017	.034	.017	.005	

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13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:						Address:					
NAME: B22-45W						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	21.5	23.5	21.8	23.7	24.0	21.7	23.7	22.0	24.0	24.2	
3H	25.1	27.1	25.5	27.3	27.6	25.4	27.4	25.8	27.6	27.9	
4H	27.2	29.0	27.5	29.3	29.6	27.5	29.4	27.9	29.7	30.0	
6H	29.4	31.2	29.8	31.5	31.8	29.8	31.5	30.1	31.8	32.2	
8H	30.6	32.4	31.0	32.7	33.0	31.0	32.7	31.4	33.0	33.4	
12H	32.0	33.7	32.4	34.0	34.4	32.4	34.1	32.7	34.4	34.7	
4H 2H	22.8	24.6	23.1	24.9	25.2	22.9	24.7	23.2	25.0	25.3	
3H	26.6	28.3	26.9	28.6	28.9	26.7	28.4	27.0	28.7	29.0	
4H	28.7	30.3	29.1	30.7	31.0	28.8	30.4	29.2	30.8	31.1	
6H	31.1	32.5	31.5	32.9	33.3	31.2	32.7	31.7	33.1	33.5	
8H	32.4	33.8	32.8	34.2	34.6	32.6	34.0	33.0	34.4	34.8	
12H	33.8	35.2	34.3	35.6	36.0	34.1	35.4	34.5	35.8	36.2	
8H 4H	29.6	31.0	30.0	31.4	31.8	29.7	31.1	30.1	31.5	31.9	
6H	32.3	33.5	32.7	33.9	34.4	32.3	33.5	32.8	34.0	34.4	
8H	33.8	34.9	34.2	35.3	35.8	33.8	34.9	34.3	35.4	35.9	
12H	35.4	36.5	35.9	36.9	37.4	35.5	36.6	36.0	37.0	37.5	
12H 4H	29.8	31.2	30.3	31.6	32.0	29.9	31.2	30.4	31.7	32.1	
6H	32.6	33.8	33.1	34.2	34.7	32.7	33.8	33.2	34.3	34.7	
8H	34.3	35.3	34.8	35.7	36.2	34.3	35.3	34.8	35.8	36.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4					

CIE Pub.117 Corrected 1700 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.8)

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13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:	Address:		
NAME: B22-45W	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	93	59	39	91	59	39	88	57	38	20
0.80	112	76	54	109	75	53	104	73	52	31
1.00	129	93	69	126	91	68	119	98	67	44
1.25	146	109	84	141	107	83	133	103	81	57
1.50	158	122	97	153	120	96	144	115	93	68
2.00	177	144	119	172	141	117	161	135	114	88
2.50	190	159	135	184	155	133	172	148	128	101
3.00	200	172	148	194	167	146	182	160	141	114
4.00	214	189	168	207	184	165	195	176	159	131
5.00	223	201	182	216	196	178	203	187	172	144
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:2015年01月13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:	Address:	
NAME: B22-45W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	57.2	61.3	66.3	66.5	65.3	63.8	57.2	61.3	66.3	66.5	65.3	63.8
5.0	50.9	66.8	82.6	96.3	104	109	98.9	90.2	85.4	70.4	61.2	53.5
10.0	84.6	105	128	150	160	169	157	143	135	104	96.6	81.9
15.0	137	166	185	207	221	236	220	209	195	161	152	137
20.0	198	232	259	286	286	306	286	278	259	228	207	203
25.0	263	301	313	354	350	374	351	345	325	296	282	271
30.0	325	370	374	423	411	441	413	413	387	365	347	341
35.0	389	437	435	489	471	505	472	478	448	433	411	410
40.0	450	500	492	550	527	563	528	537	505	496	472	474
45.0	506	560	544	607	577	618	578	593	557	528	528	536
50.0	560	615	592	660	624	667	624	644	606	613	580	594
55.0	608	663	634	705	666	708	664	688	649	662	627	644
60.0	650	706	670	743	700	744	697	726	685	706	668	691
65.0	687	741	700	775	730	772	724	756	714	743	703	730
70.0	718	769	724	796	752	792	743	779	737	772	731	761
75.0	739	790	741	810	764	804	754	794	752	794	752	785
80.0	754	802	751	815	770	807	757	800	759	806	764	800
85.0	760	805	753	811	767	802	752	798	758	810	769	807
90.0	752	801	748	799	756	789	738	788	750	805	765	806

Test System:HOPPO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2015年01月13日

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