

GONIOPHOTOMETERS SYSTEM TEST REPORT

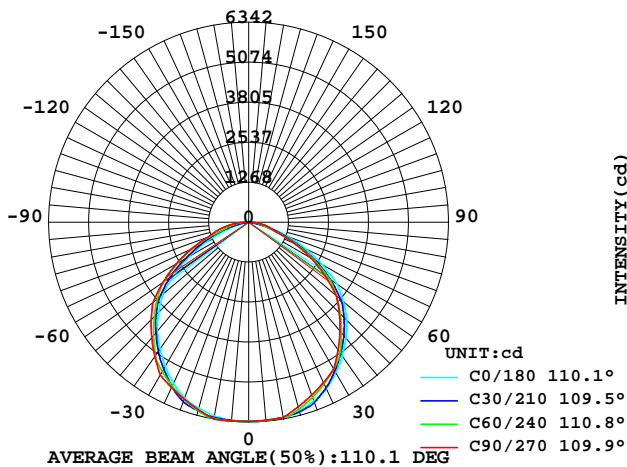
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

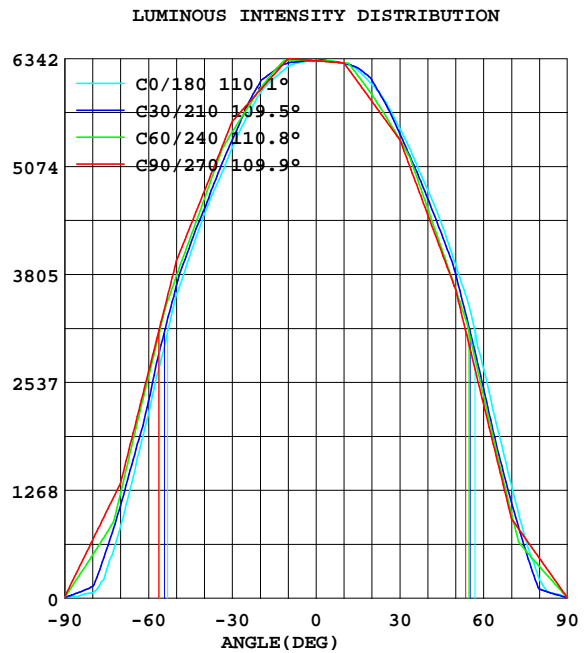
MANUFACTURER:	Address:		
NAME: LED UFO	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01	

MODEL:	普瑞 45mil	I <sub>max</sub> (cd):	6361	Effective Flux(lm):	0.0
NOMINAL POWER(W):	152	MAXIMUM(C, γ):	105, 10.0	EEI	0.000
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.6
NOMINAL FLUX(lm):	16888.8	η street_up(%):	0.0	Current(A)	0.692
TEST FLUX(lm):	16889	η street_down(%):	51.6	Power(W)	151.8
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.994
TOTAL FLUX(lm):	16889	η house_down(%):	48.4	EFFICIENCY(lm/W)	111.2

INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM  
IN C PLANS



Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

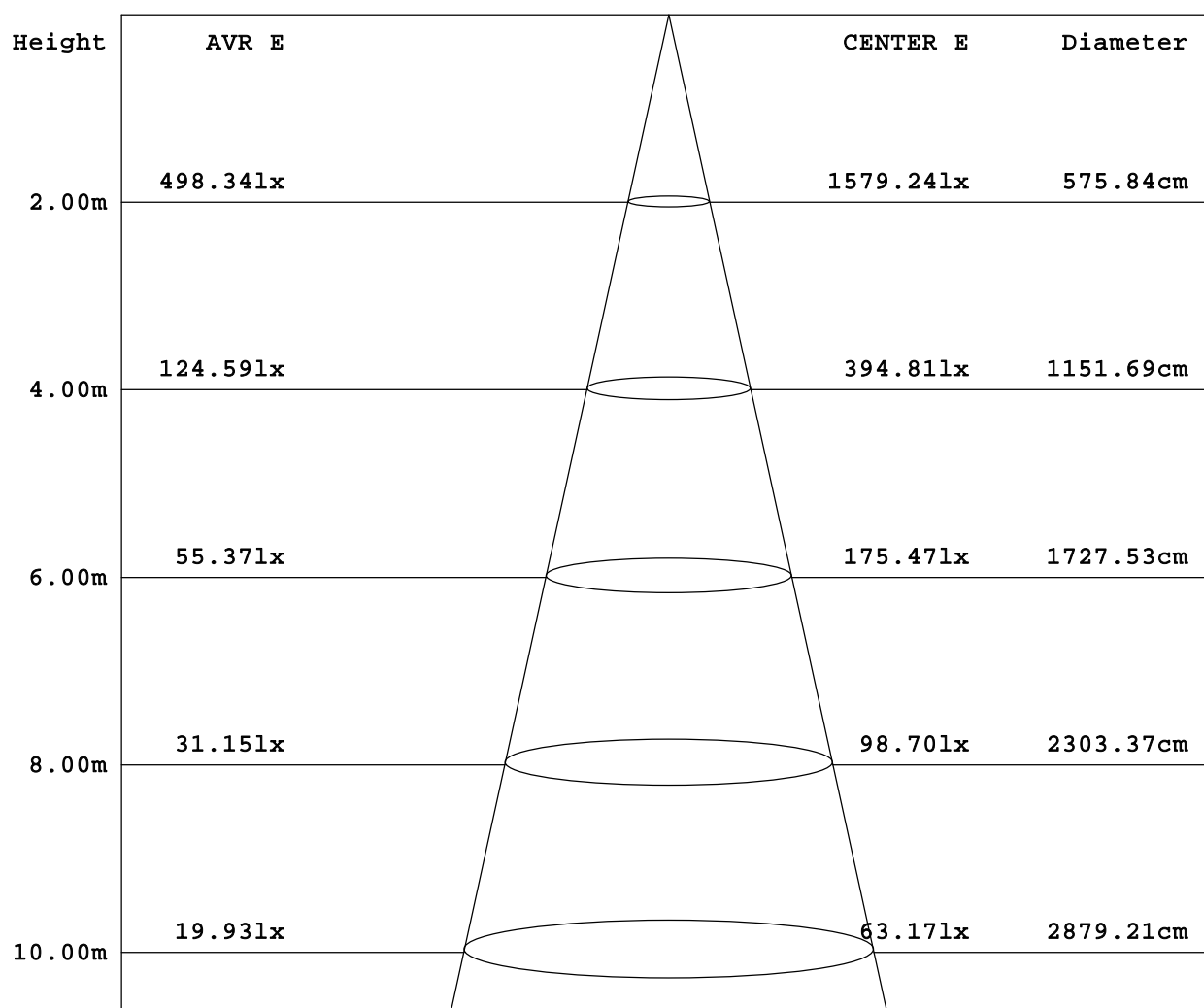
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01



Angle:110.4deg

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		Address:	
NAME: LED UFO		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:FL-C160719-01

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	6300	6320	6330	6333	6312	6310	6304	6301	0- 5	151.0	151.0
10.0	6251	6307	6342	6321	6285	6292	6292	6271	5- 10	451.1	602.2
15.0	6111	6251	6158	6268	6206	6228	6066	6158	10- 15	740.1	1342
20.0	5937	5994	5973	6090	6038	5987	5841	5890	15- 20	1002	2344
25.0	5642	5721	5789	5834	5827	5700	5615	5605	20- 25	1229	3573
30.0	5293	5406	5605	5563	5520	5394	5390	5278	25- 30	1415	4988
35.0	4901	5060	5195	5261	5174	5063	4949	4933	30- 35	1552	6539
40.0	4517	4707	4785	4913	4802	4699	4508	4561	35- 40	1627	8166
45.0	4045	4193	4375	4435	4395	4164	4067	4006	40- 45	1646	9813
50.0	3568	3621	3965	3916	3920	3601	3627	3430	45- 50	1608	11420
55.0	2863	3078	3313	3384	3413	3016	2954	2855	50- 55	1498	12918
60.0	2165	2497	2660	2770	2696	2406	2281	2267	55- 60	1297	14215
65.0	1491	1823	2007	2097	1998	1728	1608	1620	60- 65	1036	15251
70.0	846.7	1179	1355	1427	1323	1079	934.7	1002	65- 70	740.7	15992
75.0	332.0	571.0	1021	782.0	694.6	445.1	703.0	425.0	70- 75	457.2	16449
80.0	64.00	339.6	686.4	479.2	221.7	254.0	471.4	237.4	75- 80	258.5	16708
85.0	23.85	168.4	352.3	239.9	58.29	130.9	239.8	121.8	80- 85	133.9	16842
90.0	16.00	10.80	18.19	15.90	19.99	9.300	8.200	10.20	85- 90	47.09	16889
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:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

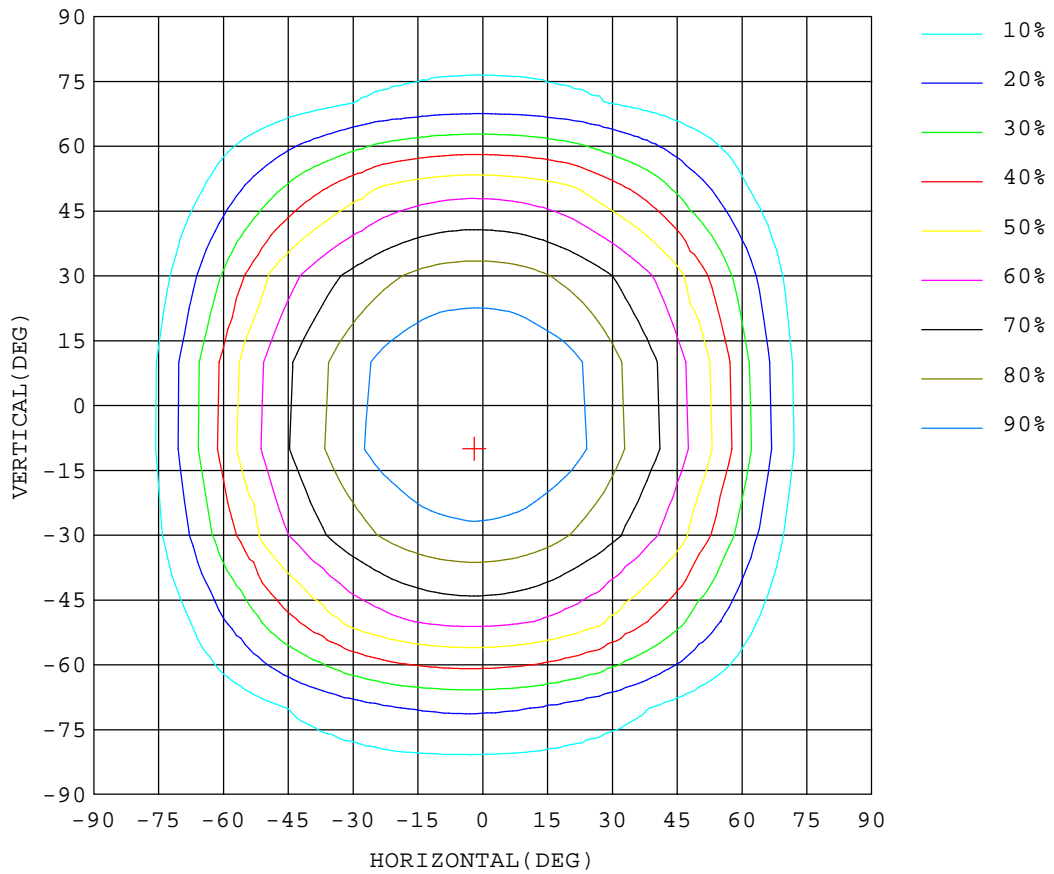
GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01

UNIT: cd



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

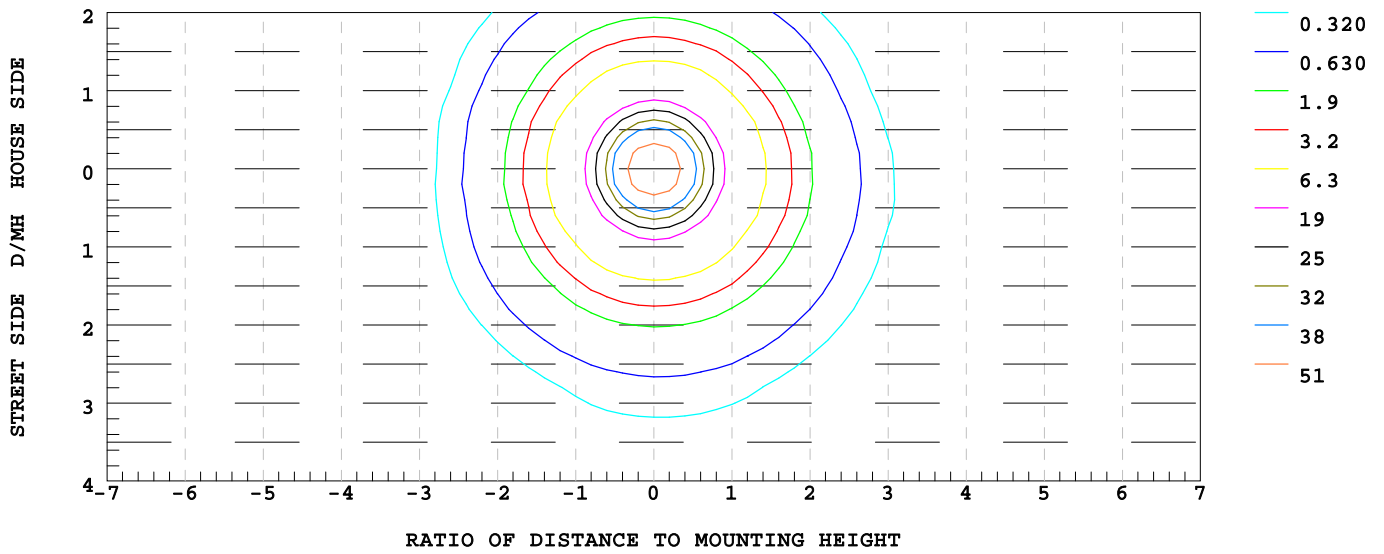
GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01

ILLUMINANCE AT MH=10 m,Enadir = 63.17 lx



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

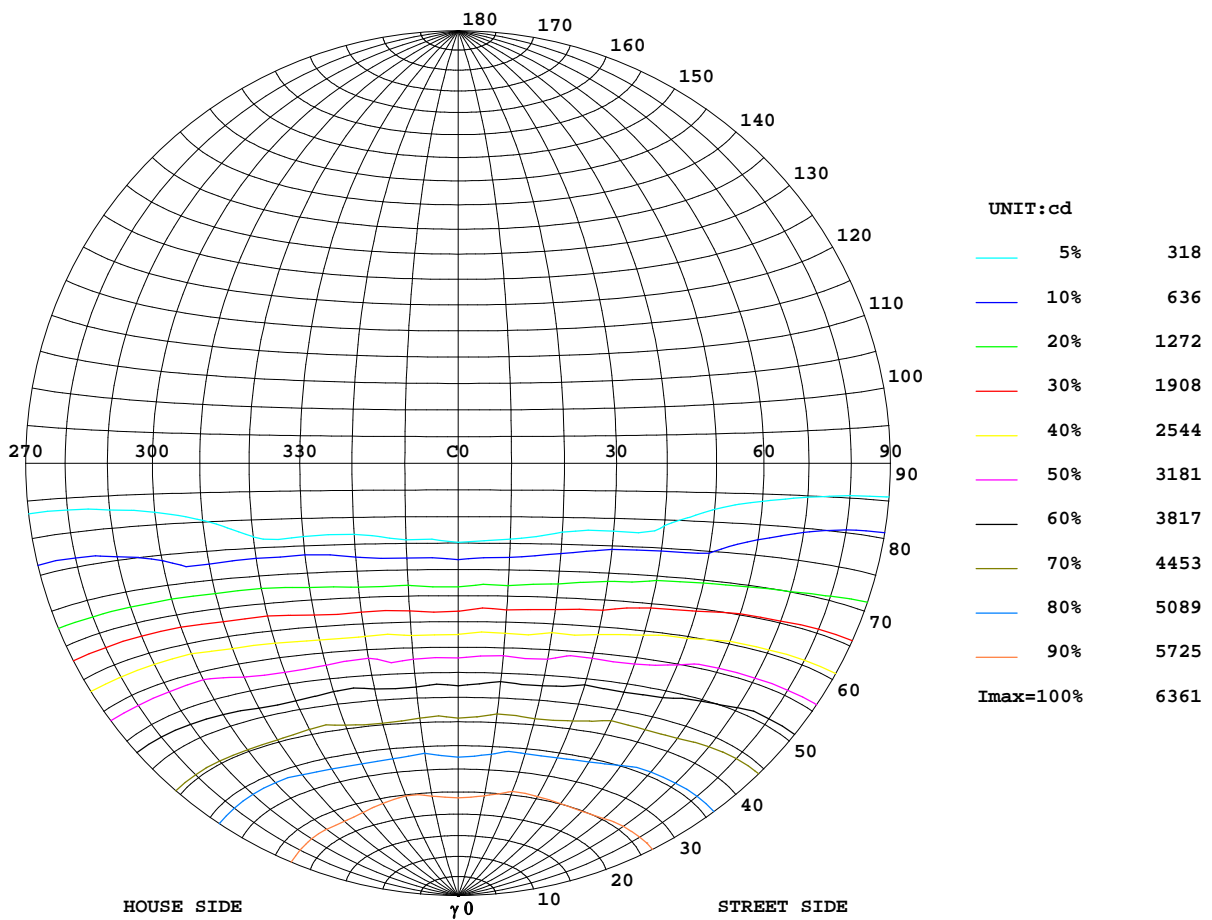
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

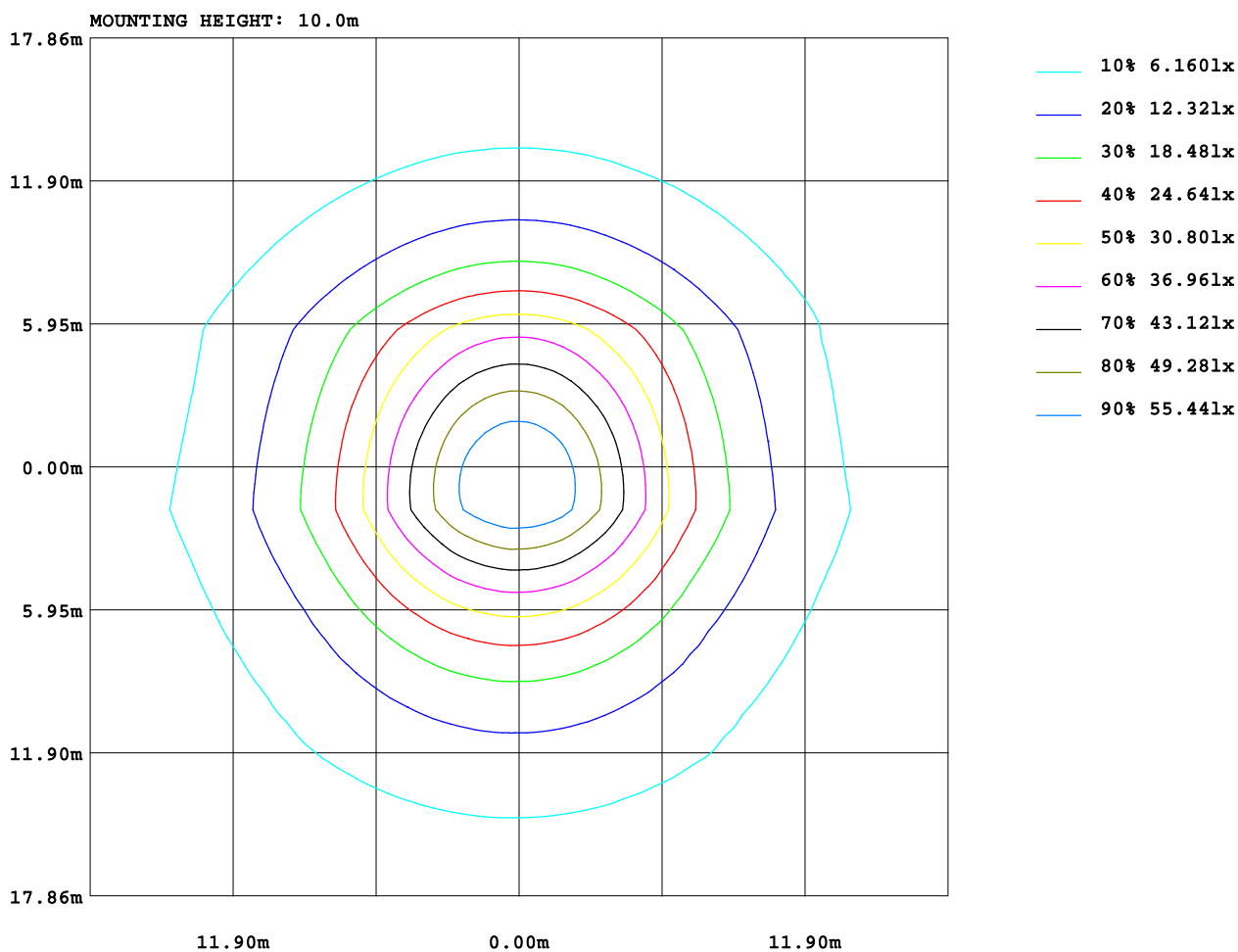
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

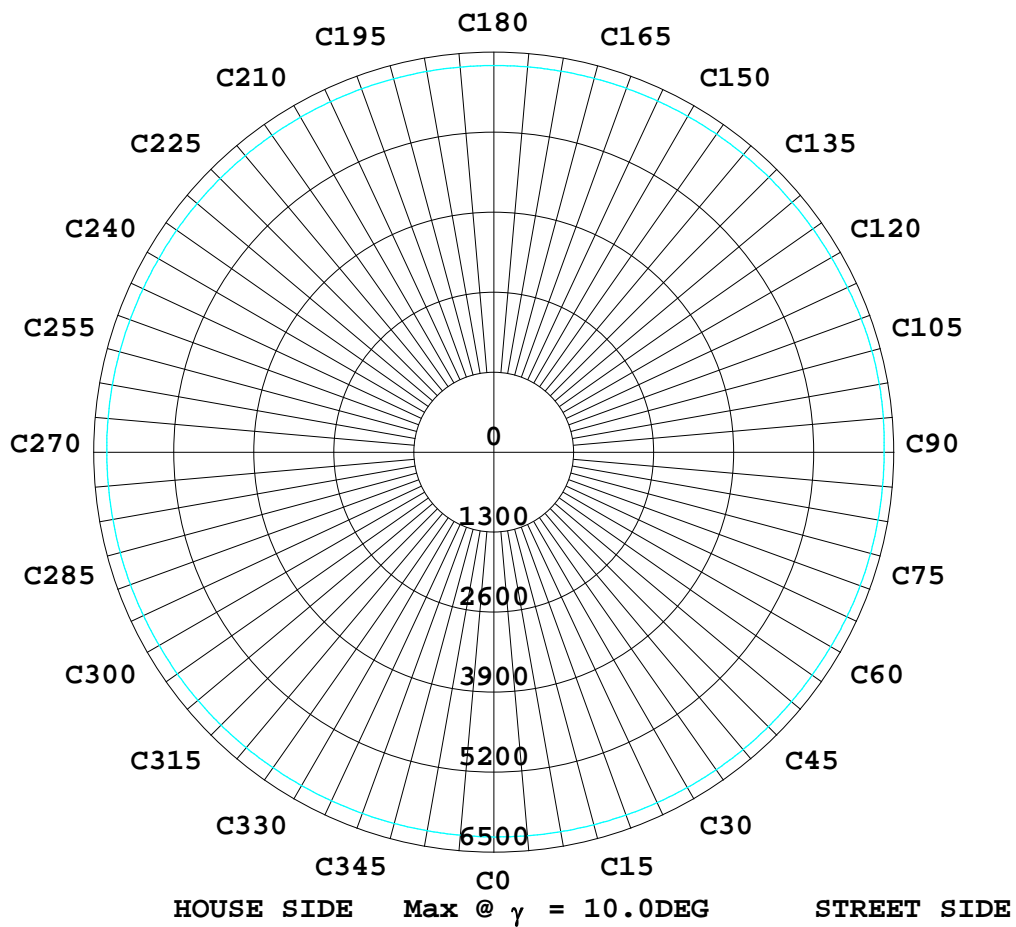
Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01



Test System:HOP00 HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:



GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:	
NAME: LED UFO	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.02	0.06	0.10	0.14	0.19	0.22	0.23	0.24	0.24	0.24	0.25	0.24	0.23	0.21	0.16	0.10	0.06	0.02	2.93	0.00	
90	0.02	0.06	0.10	0.14	0.19	0.22	0.23	0.24	0.24	0.24	0.25	0.24	0.23	0.21	0.16	0.10	0.06	0.02	2.93	0.00	
80	0.02	0.05	0.08	0.12	0.17	0.19	0.21	0.22	0.21	0.21	0.22	0.21	0.20	0.18	0.14	0.09	0.05	0.02	2.59	0.00	
70	0.04	0.34	0.97	3.62	9.16	16.6	24.7	31.0	34.8	34.8	30.9	24.3	16.2	8.71	3.40	1.00	0.35	0.04	241	201	
60	0.04	0.46	1.31	5.01	12.7	23.1	34.5	43.3	48.7	48.6	43.1	33.9	22.5	12.1	4.69	1.35	0.46	0.05	336	308	
50	0.14	1.48	10.1	28.3	52.8	79.1	104	122	130	129	120	99.7	74.4	47.4	23.7	7.21	0.78	0.06	1030	1023	
40	0.19	1.97	13.8	38.5	71.1	105	138	161	171	170	158	132	99.0	63.6	32.1	9.77	0.97	0.07	1365	1359	
30	0.13	4.34	21.1	50.4	86.1	118	145	165	176	175	163	142	113	79.4	44.1	16.7	2.51	0.14	1502	1498	
20	0.13	5.58	26.2	61.2	103	139	168	191	203	202	187	165	133	95.5	53.9	21.0	3.25	0.17	1758	1755	
10	0.30	6.68	27.9	61.8	98.0	133	166	188	198	197	186	161	126	90.4	52.8	20.5	3.33	0.09	1716	1713	
0	0.37	7.87	31.6	68.6	106	144	178	202	211	211	200	173	136	98.0	58.2	22.9	3.80	0.08	1853	1850	
-10	0.24	6.32	26.7	59.9	95.6	130	162	183	192	192	181	157	123	88.2	51.5	20.4	3.42	0.15	1674	1671	
-20	0.23	6.41	27.0	60.5	96.2	131	163	184	193	193	182	158	124	88.8	52.1	20.9	3.55	0.17	1685	1682	
-30	0.24	4.53	19.9	46.2	78.8	109	134	154	164	163	150	128	102	69.8	37.2	13.5	1.80	0.07	1375	1370	
-40	0.23	3.83	17.3	40.8	72.2	100	123	142	152	151	137	117	93.0	62.6	31.6	10.8	1.18	0.05	1258	1252	
-50	0.08	1.34	8.48	23.1	43.8	66.8	87.5	101	108	107	97.9	82.4	59.2	36.8	17.9	5.29	0.67	0.09	847	837	
-60	0.04	0.19	3.36	12.8	28.4	48.3	66.7	77.5	82.9	81.8	74.7	61.8	40.6	22.2	9.17	1.53	0.18	0.09	613	598	
-70	0.08	0.18	0.50	2.06	5.37	9.98	15.2	19.7	21.5	20.6	17.0	11.4	6.79	2.88	0.80	0.14	0.11	0.01	135	84.5	
-80	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	
-90	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	
	Φ t	2.59	51.7	237	564	960	1355	1711	1965	2087	2075	1927	1646	1271	867	474	174	26.5	1.37	16889	
	Φ a	0.00	34.5	225	550	939	1343	1706	1960	2082	2070	1922	1641	1259	846	459	157	9.26	0.00		16508

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

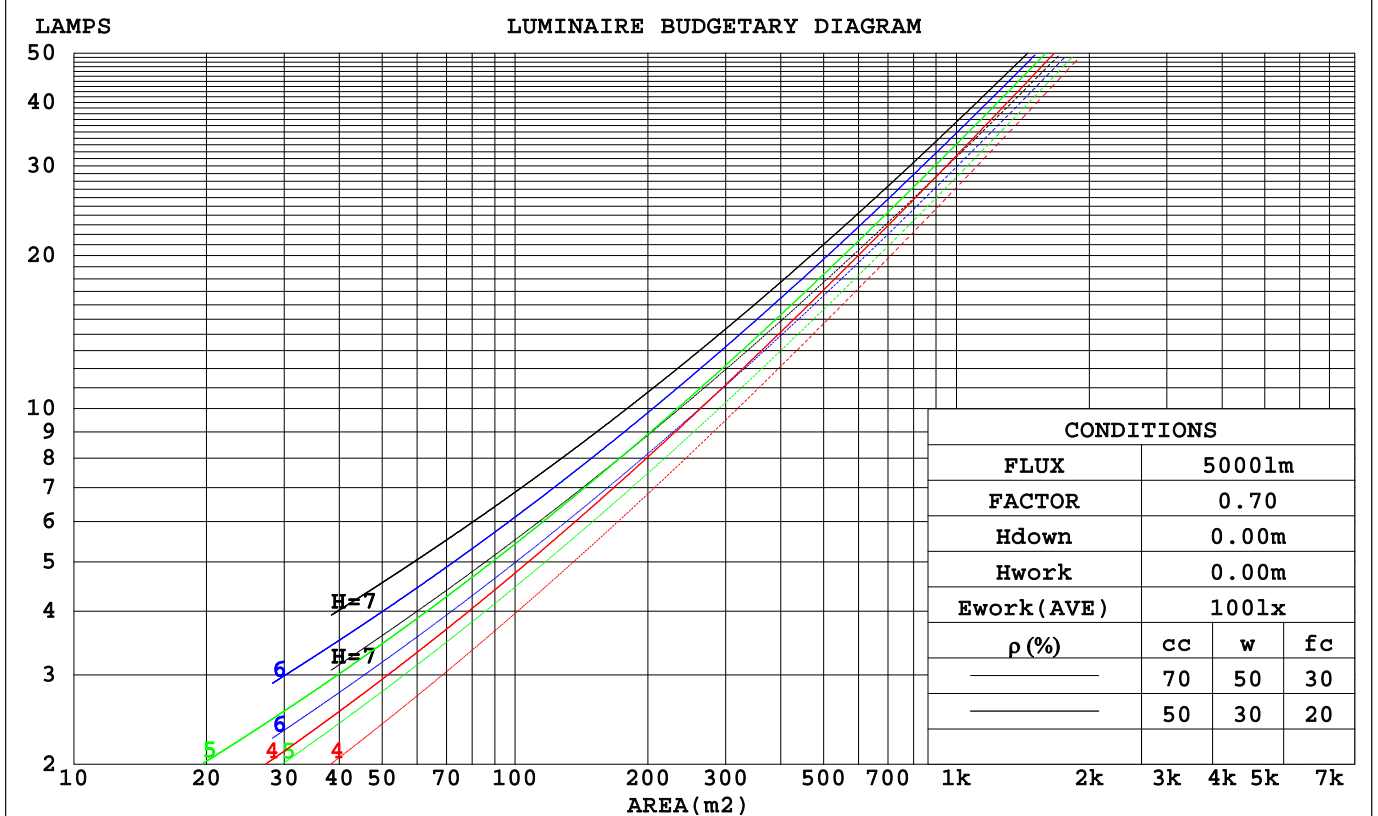
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:			
NAME: LED UFO				TYPE:		WEIGHT:	
SPECIFICATION:				DIMENSION:		SERIAL No.:FL-C160719-01	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.69	.65	.72	.68	.64	.62
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.49	.44	.56	.49	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.39	.51	.44	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.49	.40	.35	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**WEC AND CCEC**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>					
<b>NAME: LED UFO</b>	<b>TYPE:</b>			<b>WEIGHT:</b>		
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>			<b>SERIAL No.:FL-C160719-01</b>		

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.283	.161	.051	.276	.157	.050	.263	.151	.048	.251	.145	.046	.239	.139	.045	
2.0	.271	.149	.046	.265	.146	.045	.254	.141	.044	.243	.136	.043	.233	.132	.042	
3.0	.255	.136	.041	.249	.134	.040	.239	.130	.039	.230	.126	.039	.221	.122	.038	
4.0	.238	.123	.036	.233	.122	.036	.224	.119	.035	.215	.116	.035	.208	.113	.034	
5.0	.221	.113	.033	.217	.111	.032	.209	.109	.032	.202	.106	.032	.195	.104	.031	
6.0	.207	.104	.030	.203	.102	.029	.196	.100	.029	.189	.098	.029	.183	.096	.029	
7.0	.193	.096	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.172	.089	.026	
8.0	.181	.088	.025	.178	.088	.025	.172	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.170	.082	.023	.168	.082	.023	.162	.080	.023	.158	.079	.023	.153	.078	.022	
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.145	.073	.021	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.156	.136	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.145	.114	.087	.100	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.162	.114	.076	.138	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**Uncorrected UGR Table**

Report number:

<b>MANUFACTURER:</b>						<b>Address:</b>					
<b>NAME: LED UFO</b>						<b>TYPE:</b>			<b>WEIGHT:</b>		
<b>SPECIFICATION:</b>						<b>DIMENSION:</b>			<b>SERIAL No.:FL-C160719-01</b>		
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	
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>					
<b>x = 2H y = 2H</b>	26.3	27.8	26.6	28.0	28.2	27.0	28.5	27.3	28.7	28.9	
3H	27.0	28.3	27.3	28.6	28.8	28.1	29.4	28.4	29.7	29.9	
4H	27.0	28.3	27.4	28.6	28.8	28.5	29.8	28.8	30.1	30.3	
6H	27.0	28.2	27.3	28.4	28.7	29.0	30.2	29.3	30.4	30.7	
8H	26.9	28.1	27.3	28.4	28.6	29.1	30.3	29.5	30.6	30.9	
12H	26.9	28.0	27.2	28.3	28.6	29.3	30.4	29.6	30.7	31.0	
4H 2H	26.8	28.1	27.1	28.4	28.6	27.4	28.7	27.7	28.9	29.2	
3H	27.7	28.8	28.0	29.1	29.4	28.6	29.7	28.9	30.0	30.3	
4H	27.8	28.8	28.2	29.1	29.4	29.2	30.2	29.5	30.5	30.8	
6H	27.8	28.6	28.1	29.0	29.4	29.7	30.6	30.1	31.0	31.3	
8H	27.7	28.5	28.1	28.9	29.3	30.0	30.8	30.4	31.2	31.5	
12H	27.7	28.4	28.1	28.8	29.2	30.2	30.9	30.6	31.3	31.7	
8H 4H	27.9	28.7	28.3	29.1	29.5	29.2	30.0	29.6	30.4	30.8	
6H	27.9	28.6	28.3	29.0	29.4	29.9	30.6	30.3	31.0	31.4	
8H	27.9	28.5	28.3	28.9	29.3	30.2	30.8	30.7	31.2	31.7	
12H	27.8	28.4	28.3	28.8	29.3	30.5	31.1	31.0	31.5	32.0	
12H 4H	27.9	28.7	28.3	29.0	29.4	29.1	29.9	29.6	30.3	30.7	
6H	27.9	28.5	28.4	29.0	29.4	29.9	30.5	30.3	30.9	31.3	
8H	27.9	28.4	28.4	28.9	29.4	30.2	30.8	30.7	31.2	31.7	
<b>Variations with the observer position at spacings:</b>											
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.2					
1.5H	+ 0.3 / - 0.6					+ 0.2 / - 0.4					
2.0H	+ 0.7 / - 0.7					+ 0.4 / - 0.5					

CIE Pub.117 Corrected 16889 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.8)

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: LED UFO	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C160719-01	

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	59	48	41	59	48	41	57	47	41	35
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	61	75	68	60	53
1.25	85	76	69	84	75	68	81	73	68	61
1.50	90	81	75	89	80	74	86	79	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	97	92	102	96	91	98	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: LED UFO</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:FL-C160719-01</b>

UNIT: cd

γ (DEG)	C(DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317
5.0	6300	6302	6303	6305	6307	6309	6312	6315	6317	6320	6322	6324	6325	6326	6326
10.0	6251	6255	6260	6267	6274	6282	6290	6298	6304	6307	6311	6315	6321	6330	6336
15.0	6111	6117	6127	6140	6156	6175	6198	6226	6256	6251	6233	6213	6194	6175	6166
20.0	5937	5948	5965	5988	6014	6044	6065	6032	6009	5994	5986	5987	5988	5980	5969
25.0	5642	5655	5680	5717	5770	5780	5759	5744	5729	5721	5720	5726	5737	5755	5763
30.0	5293	5312	5350	5409	5431	5406	5386	5378	5388	5406	5424	5450	5479	5504	5537
35.0	4901	4921	4965	5020	4989	4991	5000	5021	5037	5060	5097	5143	5156	5160	5164
40.0	4517	4542	4596	4598	4565	4562	4576	4632	4685	4707	4682	4682	4693	4716	4735
45.0	4045	4082	4164	4111	4096	4116	4157	4234	4187	4193	4217	4212	4240	4270	4298
50.0	3568	3598	3623	3561	3595	3645	3672	3630	3631	3621	3677	3757	3788	3820	3862
55.0	2863	2926	2949	2932	2934	3019	3038	3020	3033	3078	3158	3262	3278	3282	3281
60.0	2165	2252	2237	2234	2302	2303	2317	2403	2447	2497	2502	2547	2602	2609	2616
65.0	1491	1585	1538	1597	1610	1635	1688	1740	1800	1823	1846	1887	1933	1938	1949
70.0	847	893	899	939	983	1036	1094	1109	1172	1179	1203	1215	1235	1261	1275
75.0	332	356	382	429	474	530	575	576	574	571	619	701	767	824	891
80.0	64.0	66.7	93.4	135	167	155	140	205	287	340	404	462	509	552	596
85.0	23.8	32.5	31.8	33.7	36.3	43.8	68.8	101	137	168	204	234	259	282	304
90.0	16.0	7.90	8.10	8.20	8.90	9.60	10.3	10.9	11.0	10.8	10.9	11.1	11.8	12.9	13.9

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: LED UFO</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.: FL-C160719-01</b>

UNIT: cd

C (DEG) \ γ (DEG)	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317
5.0	6327	6328	6329	6330	6334	6338	6341	6344	6345	6343	6341	6337	6333	6328	6325
10.0	6339	6340	6341	6342	6353	6361	6361	6353	6342	6333	6329	6325	6321	6316	6311
15.0	6164	6160	6157	6158	6172	6182	6181	6182	6195	6210	6225	6243	6268	6292	6286
20.0	5966	5969	5970	5973	5987	5990	5988	5996	6006	6018	6038	6064	6090	6111	6131
25.0	5766	5774	5782	5789	5800	5799	5799	5803	5809	5818	5828	5831	5834	5844	5864
30.0	5558	5576	5592	5605	5611	5609	5605	5605	5597	5588	5577	5567	5563	5567	5575
35.0	5172	5178	5185	5195	5207	5216	5232	5251	5270	5292	5316	5286	5261	5240	5225
40.0	4749	4762	4774	4785	4798	4806	4818	4828	4838	4854	4867	4883	4913	4905	4884
45.0	4326	4345	4363	4375	4389	4395	4400	4404	4405	4409	4401	4411	4435	4472	4518
50.0	3904	3927	3952	3965	3981	3983	3982	3976	3970	3955	3939	3936	3916	3925	3961
55.0	3292	3293	3303	3313	3333	3350	3371	3395	3429	3453	3481	3437	3384	3355	3353
60.0	2634	2638	2649	2660	2679	2695	2712	2735	2760	2775	2809	2787	2770	2754	2750
65.0	1974	1984	1995	2007	2025	2041	2054	2076	2088	2102	2113	2102	2097	2102	2103
70.0	1316	1330	1341	1355	1371	1386	1397	1418	1418	1417	1426	1415	1427	1438	1425
75.0	948	986	1006	1021	1030	1030	1020	1012	968	914	869	807	782	782	791
80.0	632	662	676	686	693	693	686	679	645	609	572	530	479	415	347
85.0	322	339	347	352	356	356	352	349	330	312	291	271	240	209	176
90.0	15.0	16.4	17.2	18.1	18.7	19.6	19.7	20.0	19.7	18.9	17.9	16.9	15.9	14.8	13.7

Test System: HOPOO HPG1900  
 Temperature: 25.3 DEG  
 Operators: 张  
 Test Date: 2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: LED UFO</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:FL-C160719-01</b>

UNIT: cd

γ (DEG)	C(DEG)														
	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317
5.0	6322	6320	6318	6316	6314	6313	6312	6311	6310	6309	6309	6308	6308	6308	6309
10.0	6304	6299	6295	6291	6289	6286	6285	6284	6284	6284	6285	6286	6287	6289	6290
15.0	6277	6263	6250	6235	6223	6213	6206	6202	6202	6206	6213	6221	6231	6241	6250
20.0	6155	6131	6103	6079	6060	6046	6038	6035	6038	6046	6060	6080	6087	6047	6010
25.0	5897	5939	5947	5904	5869	5843	5827	5821	5827	5842	5872	5856	5804	5759	5724
30.0	5588	5612	5637	5624	5573	5538	5520	5518	5531	5559	5548	5500	5459	5431	5412
35.0	5225	5237	5262	5302	5246	5199	5174	5174	5198	5234	5170	5123	5091	5070	5062
40.0	4865	4846	4843	4878	4876	4826	4802	4804	4830	4800	4735	4708	4699	4700	4711
45.0	4462	4442	4426	4448	4509	4432	4395	4398	4439	4351	4301	4274	4277	4307	4225
50.0	4020	3994	3970	3964	4000	3961	3920	3928	3927	3851	3817	3814	3808	3706	3642
55.0	3406	3500	3469	3385	3442	3469	3413	3424	3347	3238	3237	3275	3154	3083	3037
60.0	2759	2778	2785	2752	2750	2775	2696	2724	2618	2594	2573	2487	2466	2422	2422
65.0	2059	2025	2076	2124	2039	2063	1998	2028	1909	1889	1831	1790	1752	1756	1755
70.0	1395	1380	1367	1393	1368	1363	1323	1301	1223	1169	1130	1115	1128	1111	1096
75.0	792	793	757	734	771	738	695	658	601	561	552	576	569	534	487
80.0	278	289	300	300	258	259	222	187	166	182	195	152	109	157	204
85.0	135	101	67.6	55.3	61.9	54.5	58.2	49.6	35.8	36.0	36.7	36.5	53.7	77.4	103
90.0	13.0	12.4	11.8	11.7	11.9	11.6	19.9	6.70	7.40	7.40	7.70	7.80	8.00	8.20	8.70

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:



# GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: LED UFO</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.: FL-C160719-01</b>

UNIT: cd

C (DEG) \ γ (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317
5.0	6310	6312	6313	6314	6315	6314	6311	6309	6307	6304	6303	6301	6301	6301	6301
10.0	6292	6293	6293	6291	6290	6292	6296	6297	6294	6292	6288	6287	6288	6286	6283
15.0	6228	6198	6168	6142	6120	6099	6085	6078	6071	6066	6065	6069	6075	6086	6102
20.0	5987	5960	5936	5918	5896	5877	5861	5851	5846	5841	5839	5840	5844	5852	5854
25.0	5700	5683	5675	5663	5656	5645	5632	5625	5620	5615	5612	5607	5607	5600	5592
30.0	5394	5384	5382	5390	5393	5401	5397	5396	5393	5390	5383	5371	5359	5341	5318
35.0	5063	5068	5080	5051	5031	5007	4990	4970	4958	4949	4944	4943	4943	4942	4945
40.0	4699	4643	4607	4582	4564	4551	4542	4527	4519	4508	4501	4497	4492	4483	4480
45.0	4164	4128	4119	4108	4099	4098	4090	4084	4079	4067	4058	4051	4040	4034	4018
50.0	3601	3587	3599	3630	3634	3637	3637	3640	3639	3627	3615	3606	3588	3576	3557
55.0	3016	3025	3026	3095	3063	3028	2999	2981	2967	2954	2947	2954	2958	2974	2991
60.0	2406	2389	2374	2379	2367	2337	2311	2301	2290	2281	2275	2282	2287	2293	2301
65.0	1728	1702	1686	1679	1670	1647	1629	1621	1612	1608	1603	1612	1617	1616	1625
70.0	1079	1035	1014	999	981	949	949	943	934	935	931	941	944	949	964
75.0	445	453	507	563	610	631	664	690	698	703	695	688	659	635	598
80.0	254	297	333	374	407	424	442	463	468	471	466	461	438	424	396
85.0	131	149	168	191	207	217	224	236	238	240	237	234	222	216	201
90.0	9.30	9.30	9.30	9.09	9.00	8.90	8.80	8.70	8.40	8.20	8.40	8.60	8.90	9.09	9.30

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME: LED UFO</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:FL-C160719-01</b>

UNIT: cd

γ (DEG)	C (DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317	6317
5.0	6302	6302	6302	6301	6300	6300	6299	6299	6298	6299	6299	6300
10.0	6280	6280	6277	6271	6265	6259	6253	6249	6246	6245	6246	6247
15.0	6114	6126	6141	6158	6168	6151	6139	6127	6117	6111	6108	6107
20.0	5858	5861	5871	5890	5918	5955	5999	5990	5969	5951	5939	5934
25.0	5582	5581	5588	5605	5627	5647	5673	5706	5711	5674	5652	5641
30.0	5296	5284	5280	5278	5278	5284	5299	5320	5359	5348	5313	5295
35.0	4953	4969	4950	4933	4919	4907	4901	4904	4922	4969	4932	4904
40.0	4484	4495	4517	4561	4551	4511	4481	4476	4494	4538	4551	4520
45.0	4010	3986	3986	4006	4044	4104	4060	4033	4024	4046	4093	4050
50.0	3511	3454	3432	3430	3459	3503	3580	3557	3506	3469	3559	3581
55.0	2954	2914	2869	2855	2856	2870	2914	2857	2887	2863	2876	2886
60.0	2270	2253	2258	2267	2233	2206	2162	2204	2263	2191	2173	2191
65.0	1618	1603	1614	1620	1578	1528	1532	1526	1527	1566	1488	1519
70.0	956	972	983	1002	991	976	950	891	889	896	874	842
75.0	550	498	441	425	446	474	476	447	390	370	377	337
80.0	365	327	284	237	194	147	104	127	141	99.6	85.9	74.5
85.0	186	165	147	122	96.9	73.3	51.9	38.1	39.8	36.6	28.4	26.9
90.0	9.70	9.90	10.1	10.2	10.0	9.30	8.90	8.60	8.40	8.20	8.10	8.10

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:张  
 Test Date:2016年07月19日

Test Set: 5.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: