

GONIOPHOTOMETERS SYSTEM TEST REPORT

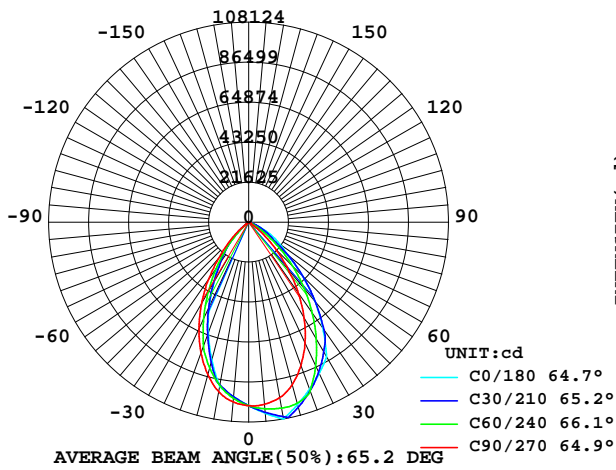
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: FL-B180115-01

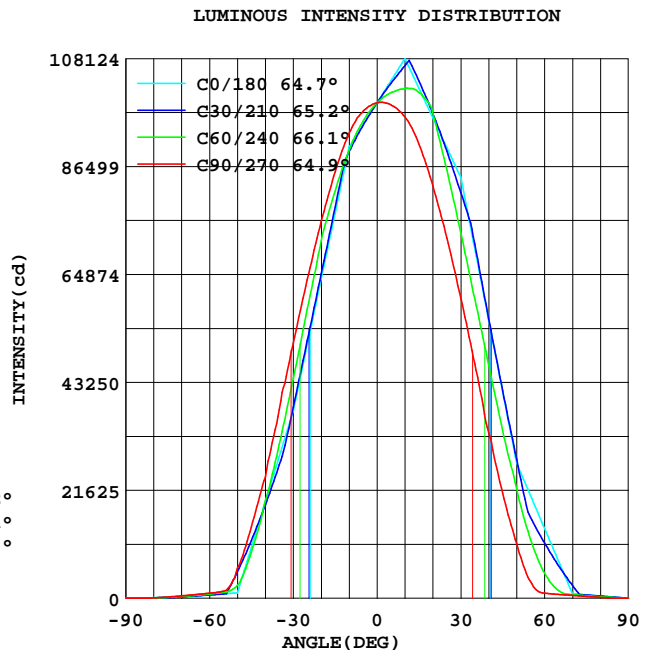
MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

MODEL:	Philips 3030	I _m max(cd):	108177	Effective Flux(lm):	116219.4
NOMINAL POWER(W):	1000	MAXIMUM(C, γ):	185, 10.0	EEI	0.113
RATED VOLTAGE(V):	218	EFFICIENCY(%):	100.0	Voltage(V)	218.8
NOMINAL FLUX(lm):	121771.4	η street_up(%):	0.0	Current(A)	4.455
TEST FLUX(lm):	121771	η street_down(%):	46.8	Power(W)	964.2
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.989
TOTAL FLUX(lm):	121771	η house_down(%):	53.2	EFFICIENCY(lm/W)	126.3

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test System:HOPPO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018-01-15

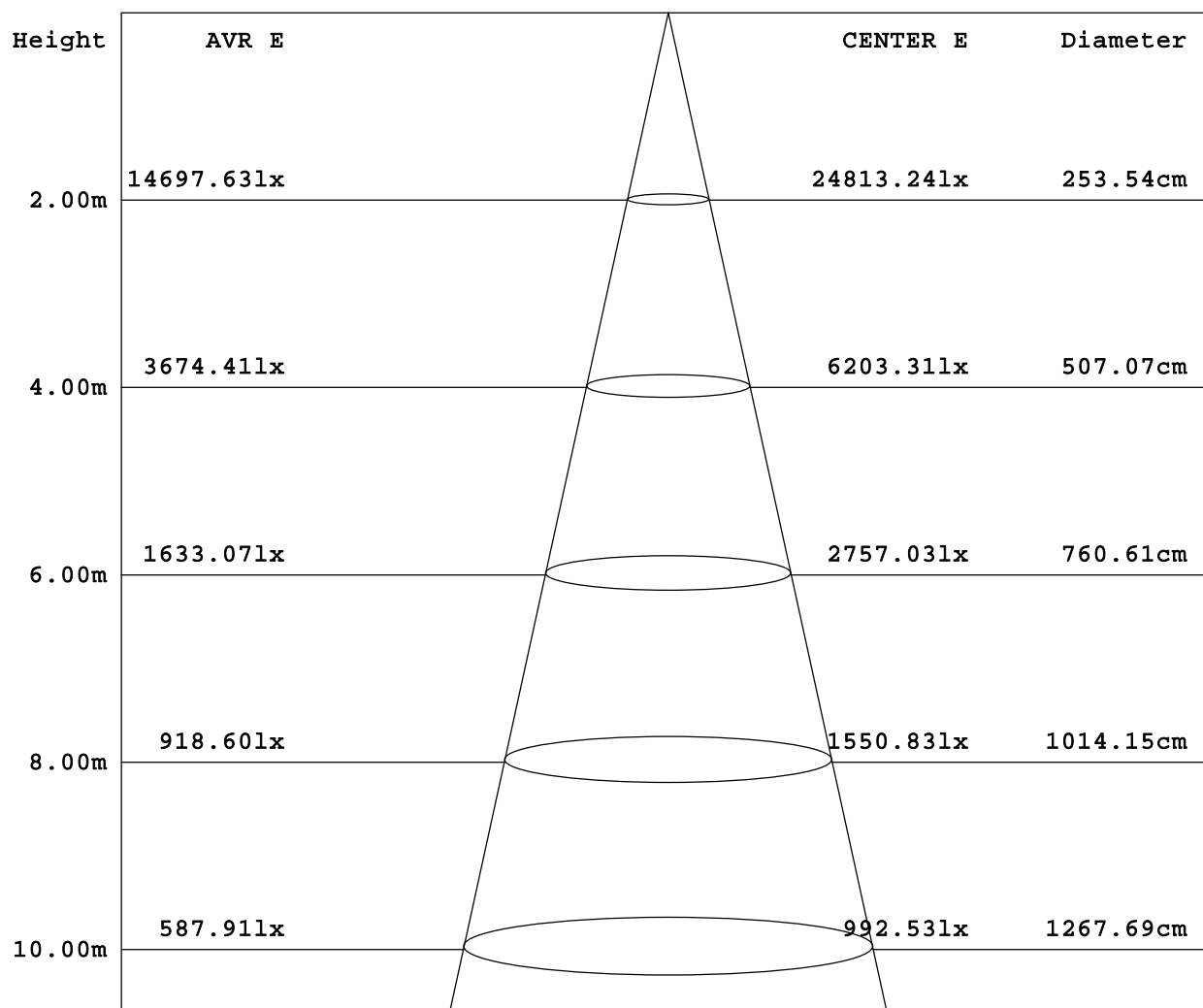
Test Set: 5.0deg/s A-Alpha (TYPE A)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01



Angle:64.7deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	948.1	950.4	975.7	1015	1037	1023	988.4	960.0	0- 5	2367	2367
10.0	903.8	893.7	931.7	1031	1081	1047	964.1	914.5	5- 10	7006	9373
15.0	771.7	808.9	854.3	1013	1022	1050	910.2	842.6	10- 15	11152	20525
20.0	639.7	673.9	755.1	910.3	962.3	970.2	826.2	712.9	15- 20	14128	34652
25.0	507.6	536.9	637.6	799.2	902.8	873.1	721.4	577.9	20- 25	15825	50478
30.0	375.6	404.2	510.9	684.6	843.4	768.8	601.6	441.9	25- 30	16243	66720
35.0	284.4	277.2	377.7	568.8	700.2	662.8	469.6	311.6	30- 35	15384	82104
40.0	193.2	168.1	243.2	451.2	557.1	545.9	332.7	192.8	35- 40	13304	95408
45.0	102.0	106.6	143.4	310.8	414.0	396.2	210.4	124.8	40- 45	10390	105798
50.0	10.89	58.38	60.16	193.2	270.8	259.8	108.8	70.83	45- 50	7063	112861
55.0	8.788	25.36	14.13	91.85	205.4	141.0	33.56	30.73	50- 55	4042	116903
60.0	6.678	7.486	10.27	21.04	139.9	50.26	10.39	7.167	55- 60	2283	119185
65.0	4.568	5.442	7.556	12.20	74.55	30.46	7.789	5.210	60- 65	1348	120533
70.0	2.458	3.433	4.931	8.463	9.115	12.91	5.787	3.236	65- 70	697.3	121231
75.0	1.872	1.504	2.506	5.307	6.891	6.143	3.675	1.317	70- 75	265.8	121496
80.0	1.286	0.907	0.840	3.440	4.668	3.921	1.806	0.767	75- 80	156.4	121653
85.0	0.701	0.503	0.180	1.769	2.445	2.033	0.402	0.426	80- 85	86.26	121739
90.0	0.115	0.111	0.170	0.150	0.222	0.168	0.174	0.108	85- 90	32.27	121771
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:×100cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

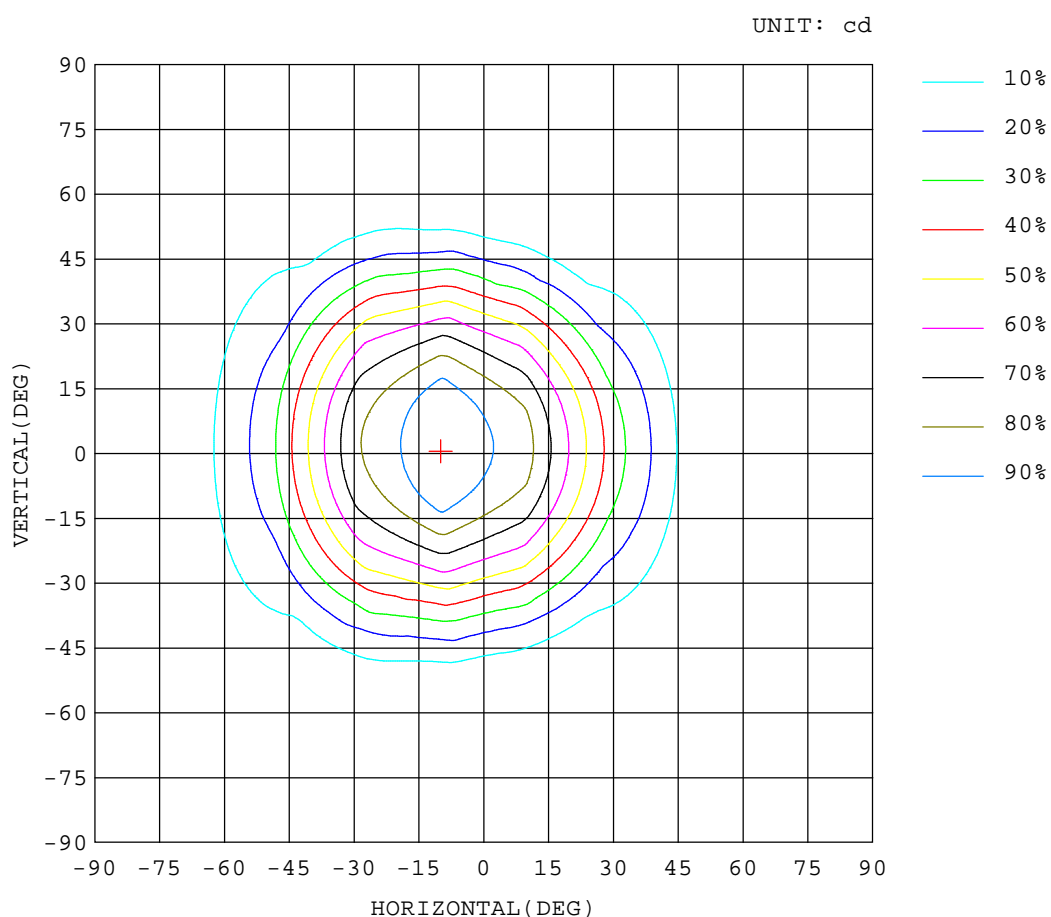
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

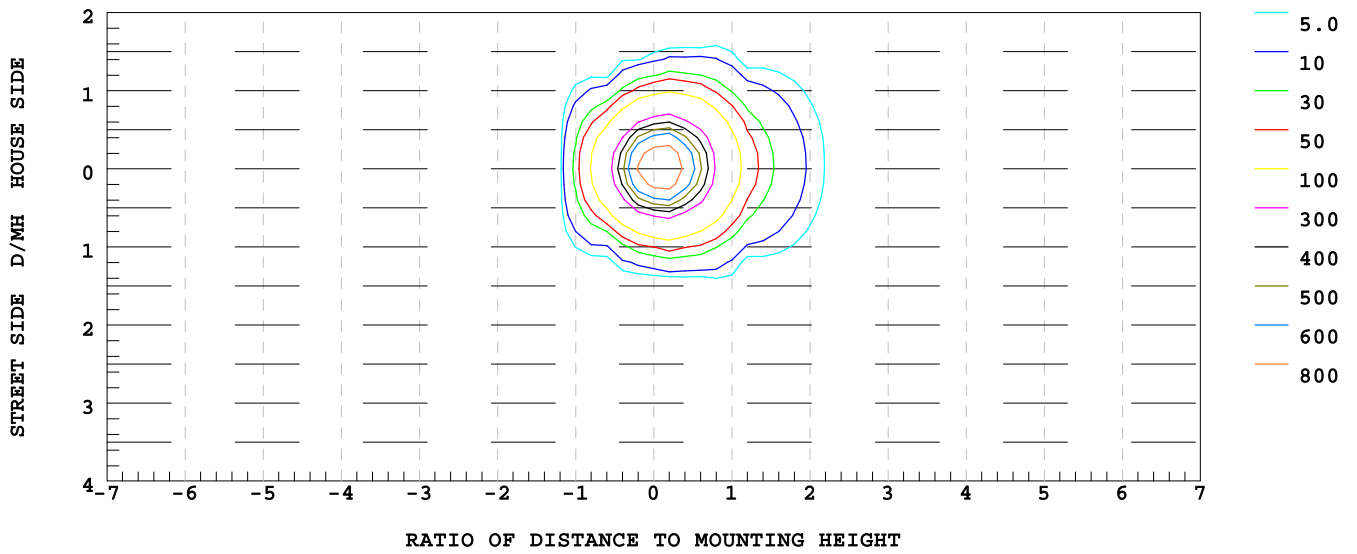
GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

ILLUMINANCE AT MH=10 m,Enadir = 992.53 lx



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

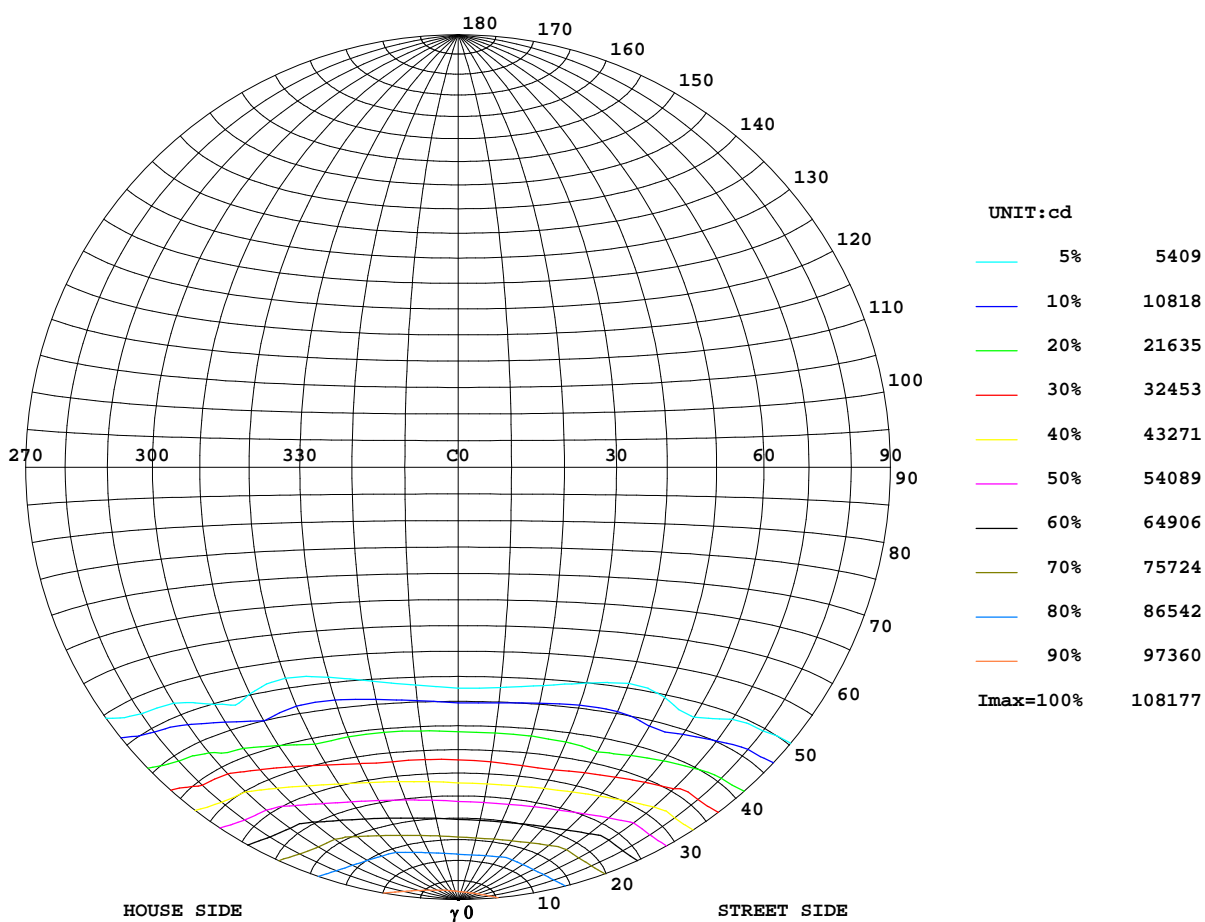
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

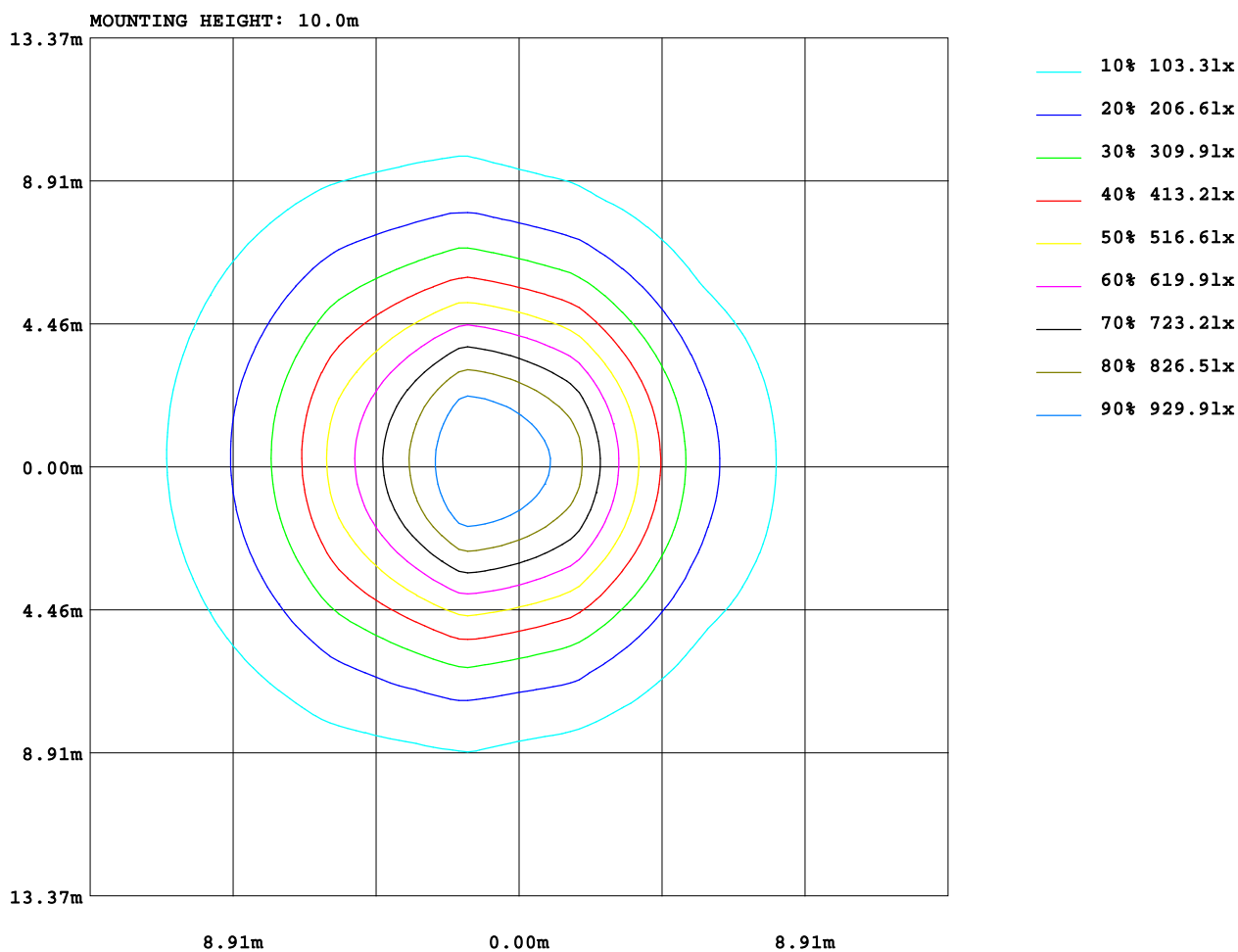
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

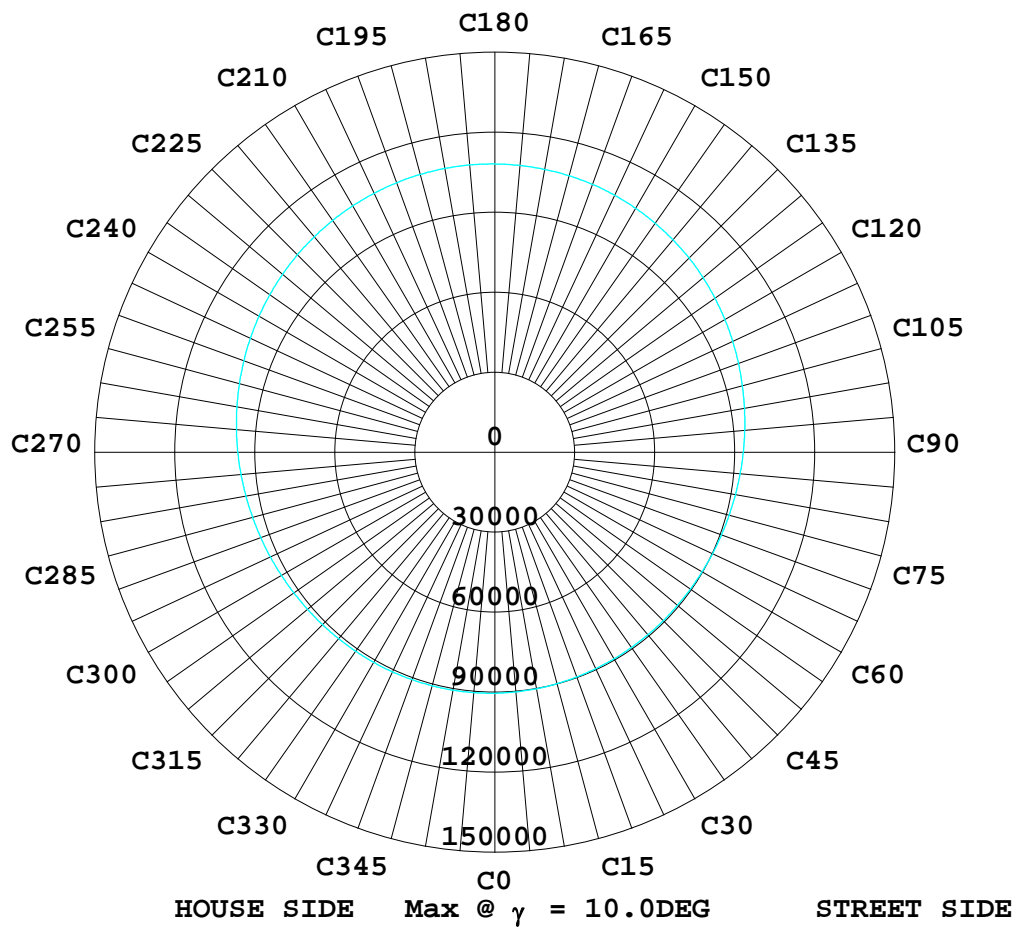
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a					
	0.13	0.63	1.41	2.33	3.18	3.72	3.77	3.25	2.59	1.28	0.76	0.49	0.62	0.71	0.61	0.41	0.21	0.05	26.1	0.00						
90	0.13	0.63	1.41	2.33	3.18	3.72	3.77	3.25	2.59	1.28	0.76	0.49	0.62	0.71	0.61	0.41	0.21	0.05	26.1	0.00						
80	0.26	1.53	3.70	6.37	8.96	10.9	12.5	13.4	12.6	9.80	6.91	4.60	2.48	1.76	1.47	0.96	0.44	0.08	99.0	0.00						
70	0.39	2.40	5.93	10.9	22.6	21.6	27.5	26.5	25.2	22.6	18.2	13.6	9.15	4.69	2.45	1.51	0.66	0.12	217	0.00						
60	0.51	3.22	8.08	37.0	81.9	90.8	180	186	166	102	60.3	28.9	19.9	9.83	4.44	2.07	0.87	0.15	983	164						
50	0.61	3.95	14.9	104	200	377	624	740	749	571	342	153	82.8	15.6	7.39	2.75	1.06	0.17	3988	3298						
40	0.70	4.57	36.2	185	388	816	1258	1504	1557	1298	906	471	234	41.9	10.1	3.73	1.23	0.20	8716	8378						
30	0.77	5.06	63.6	265	607	1245	1857	2240	2334	2038	1513	862	427	103	12.5	4.73	1.36	0.22	13581	13375						
	0.81	5.40	86.9	329	795	1576	2289	2779	2903	2590	1994	1202	604	174	14.2	5.51	1.46	0.23	17347	17183						
	0.84	5.58	99.3	360	890	1739	2479	2990	3125	2847	2241	1381	700	218	15.2	5.95	1.51	0.24	19099	18943						
	0.84	5.58	97.6	351	867	1697	2427	2948	3086	2802	2202	1357	688	215	15.3	5.98	1.51	0.24	18768	18608						
	0.81	5.40	82.3	304	732	1459	2127	2601	2726	2437	1880	1133	571	167	14.5	5.57	1.47	0.23	16249	16074						
-30	0.77	5.05	58.2	233	525	1086	1618	1962	2058	1814	1359	776	389	96.8	12.8	4.82	1.38	0.22	12000	11770						
-40	0.70	4.55	32.6	153	301	647	1001	1200	1252	1067	755	395	204	39.6	10.5	3.84	1.25	0.20	7066	6595						
-50	0.61	3.92	13.9	80.1	131	252	428	498	508	395	246	110	67.7	16.1	7.75	2.87	1.09	0.18	2763	1827						
-60	0.50	3.18	7.97	28.0	45.5	52.7	95.0	85.0	77.4	56.1	43.2	26.3	18.6	10.3	4.74	2.19	0.90	0.15	558	0.00						
-70	0.38	2.36	5.82	10.2	16.0	20.0	24.0	24.9	24.5	21.6	18.3	13.6	9.37	5.14	2.69	1.61	0.68	0.12	202	0.00						
-80	0.26	1.49	3.60	6.05	7.93	9.29	10.5	10.4	9.07	7.70	6.21	4.50	2.83	2.08	1.64	1.02	0.45	0.08	85.2	0.00						
-90	0.12	0.60	1.34	2.18	2.78	2.89	2.29	1.54	1.00	0.78	0.67	0.60	0.78	0.82	0.67	0.44	0.21	0.05	19.8	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	9.99	64.5	624	2469	5625	11105	16463	19814	20616	18079	13591	7934	4031	1124	139	56.0	17.7	2.90	121771							
Φ a	0.00	0.00	115	1937	5127	10738	16094	19481	20283	17735	13204	7498	3498	507	0.00	0.00	0.00	0.00		116219						

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

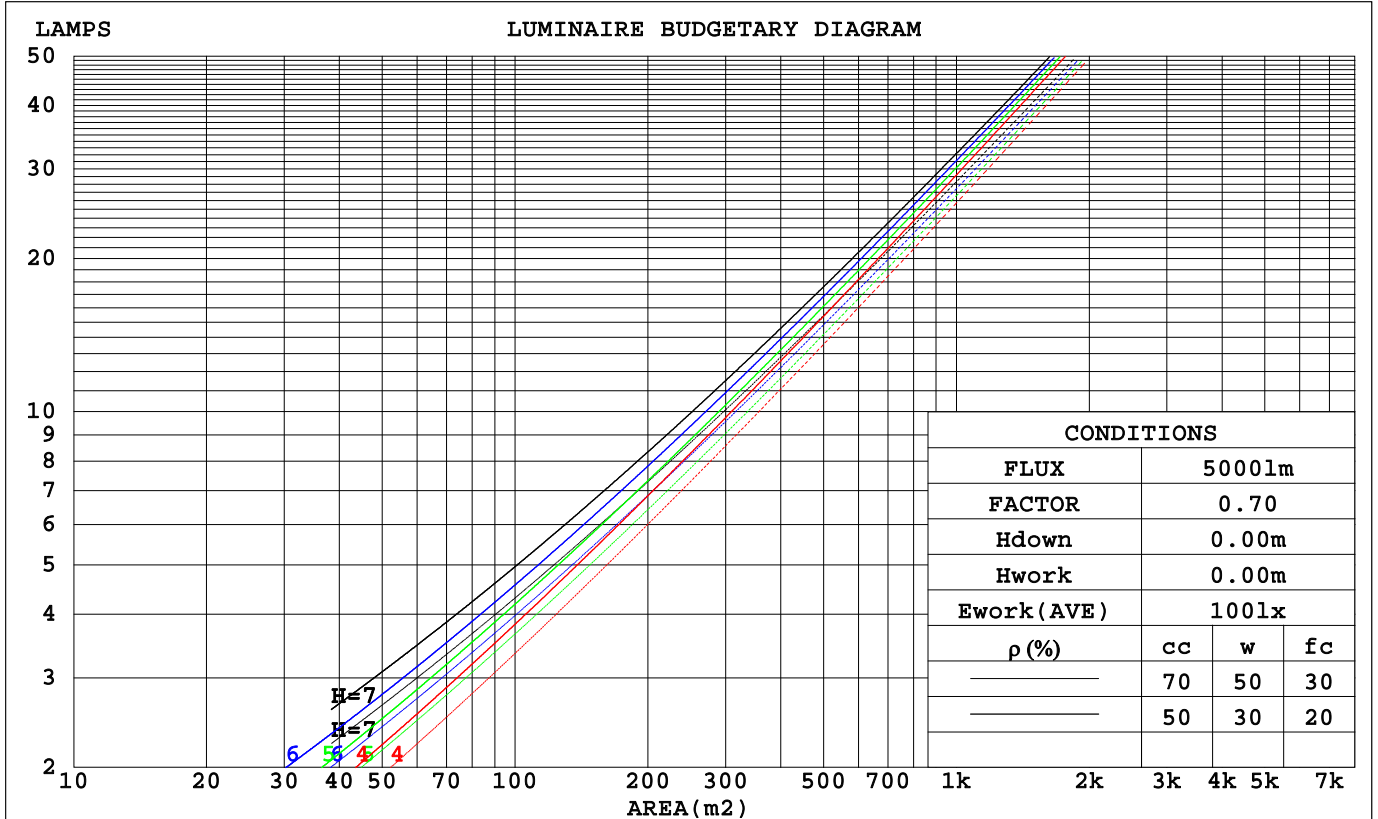
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting				Address:hu							
NAME: FL-TGD-BF-1000W				TYPE:LED flood light				WEIGHT:			
SPECIFICATION:				DIMENSION:				SERIAL No.:FL-C180115-01			

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															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	.00														
1.0	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.99	.98	.96	.96	.95	.94	.92														
2.0	1.00	.96	.92	.99	.94	.91	.95	.92	.89	.92	.89	.87	.90	.87	.85	.83														
3.0	.92	.86	.82	.91	.86	.81	.88	.84	.80	.86	.82	.79	.83	.80	.77	.76														
4.0	.85	.79	.74	.84	.78	.73	.81	.76	.72	.79	.75	.71	.77	.74	.71	.69														
5.0	.78	.72	.67	.77	.71	.66	.75	.70	.66	.74	.69	.65	.72	.68	.65	.63														
6.0	.73	.66	.61	.72	.65	.61	.70	.64	.60	.69	.64	.60	.67	.63	.59	.58														
7.0	.67	.61	.56	.67	.60	.56	.65	.60	.55	.64	.59	.55	.63	.58	.55	.53														
8.0	.63	.56	.51	.62	.56	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.49														
9.0	.59	.52	.48	.58	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.47	.45														
10.0	.55	.48	.44	.55	.48	.44	.54	.48	.44	.53	.48	.44	.52	.47	.44	.42														



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu					
NAME: FL-TGD-BF-1000W	TYPE:LED flood light			WEIGHT:		
SPECIFICATION:	DIMENSION:			SERIAL No.:FL-C180115-01		

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	.202	.115	.036	.195	.111	.035	.182	.105	.033	.171	.098	.032	.160	.093	.030	
2.0	.196	.107	.033	.190	.105	.032	.179	.100	.031	.169	.095	.030	.160	.091	.029	
3.0	.188	.100	.030	.183	.098	.029	.173	.094	.029	.165	.090	.028	.157	.087	.027	
4.0	.179	.093	.027	.174	.091	.027	.166	.088	.026	.159	.085	.026	.152	.082	.025	
5.0	.170	.087	.025	.166	.085	.025	.159	.083	.024	.152	.080	.024	.146	.078	.023	
6.0	.162	.081	.023	.158	.080	.023	.152	.078	.023	.146	.076	.022	.141	.074	.022	
7.0	.154	.076	.022	.151	.075	.021	.145	.073	.021	.140	.072	.021	.135	.070	.021	
8.0	.147	.072	.020	.144	.071	.020	.139	.069	.020	.134	.068	.020	.130	.067	.019	
9.0	.140	.068	.019	.138	.067	.019	.133	.066	.019	.129	.064	.018	.125	.063	.018	
10.0	.134	.064	.018	.131	.063	.018	.127	.062	.018	.123	.061	.017	.120	.060	.017	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.173	.157	.143	.148	.135	.123	.101	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.159	.132	.110	.137	.114	.095	.094	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.149	.114	.086	.127	.098	.075	.087	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.099	.069	.120	.086	.060	.082	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.113	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.047	.107	.069	.041	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.102	.062	.034	.070	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.113	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.108	.061	.029	.093	.053	.025	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.103	.057	.026	.089	.049	.022	.062	.035	.016	.036	.020	.009	.012	.007	.003	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting					Address:hu					
NAME: FL-TGD-BF-1000W					TYPE:LED flood light			WEIGHT:		
SPECIFICATION:					DIMENSION:			SERIAL No.:FL-C180115-01		
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	23.7	24.8	23.9	25.0	25.2	24.8	25.9	25.0	26.1	26.3
3H	23.5	24.6	23.8	24.8	25.0	24.7	25.7	24.9	25.9	26.1
4H	23.5	24.4	23.7	24.6	24.9	24.6	25.5	24.9	25.8	26.0
6H	23.4	24.3	23.7	24.5	24.8	24.5	25.4	24.8	25.6	25.9
8H	23.3	24.2	23.7	24.5	24.7	24.4	25.3	24.8	25.6	25.8
12H	23.3	24.1	23.6	24.4	24.7	24.4	25.2	24.7	25.5	25.8
4H 2H	23.5	24.4	23.7	24.6	24.9	24.5	25.5	24.8	25.7	26.0
3H	23.3	24.1	23.6	24.4	24.7	24.4	25.2	24.7	25.5	25.8
4H	23.2	24.0	23.6	24.3	24.6	24.3	25.1	24.7	25.4	25.7
6H	23.2	23.8	23.5	24.1	24.5	24.3	24.9	24.6	25.2	25.6
8H	23.1	23.7	23.5	24.1	24.4	24.2	24.8	24.6	25.2	25.5
12H	23.1	23.6	23.5	24.0	24.4	24.2	24.7	24.6	25.1	25.5
8H 4H	23.1	23.7	23.5	24.1	24.4	24.2	24.8	24.6	25.2	25.5
6H	23.0	23.5	23.5	23.9	24.3	24.1	24.6	24.6	25.0	25.4
8H	23.0	23.4	23.4	23.8	24.3	24.1	24.5	24.5	24.9	25.4
12H	23.0	23.3	23.4	23.8	24.2	24.0	24.4	24.5	24.8	25.3
12H 4H	23.0	23.6	23.5	24.0	24.4	24.2	24.7	24.6	25.1	25.5
6H	23.0	23.4	23.4	23.8	24.3	24.1	24.5	24.5	24.9	25.4
8H	23.0	23.3	23.4	23.8	24.2	24.0	24.4	24.5	24.8	25.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / -10.2					+ 3.4 / - 9.7				
1.5H	+ 4.0 / -10.7					+ 4.9 / - 9.9				
2.0H	+ 6.3 / - 6.7					+ 7.7 / - 7.1				

CIE Pub.117 Corrected 121771 lm Total Lamp Luminous Flux.(8log(F/F0) = 16.7)

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

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	78	70	65	77	69	65	76	69	65	60
0.80	87	79	74	86	79	74	84	78	74	69
1.00	93	86	81	92	85	81	90	86	81	76
1.25	98	92	87	97	91	87	95	90	86	81
1.50	102	96	92	100	95	91	98	93	90	85
2.00	106	101	97	104	99	96	101	97	94	89
2.50	108	103	99	106	102	99	103	99	97	90
3.00	110	106	102	108	104	101	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	113	111	108	111	109	107	107	105	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address: hu	
NAME: FL-TGD-BF-1000W	TYPE: LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180115-01

UNIT: ×100cd

γ (DEG)	C (DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993
5.0	948	948	947	947	947	947	948	948	949	950	952	954	956	958	961
10.0	904	902	901	899	897	896	895	894	893	894	894	895	898	901	905
15.0	772	771	771	772	775	779	784	790	799	809	818	817	816	818	822
20.0	640	638	638	639	641	644	650	656	664	674	684	699	715	718	718
25.0	508	506	505	506	508	511	516	521	528	537	547	562	579	598	608
30.0	376	374	374	375	377	380	382	389	395	404	414	426	440	457	474
35.0	284	283	281	279	276	272	267	262	269	277	287	298	309	322	337
40.0	193	192	192	192	191	190	187	182	176	168	173	182	196	200	211
45.0	102	102	104	108	111	114	116	115	112	107	95.7	83.3	92.7	101	110
50.0	10.8	12.7	18.1	26.1	35.2	45.0	53.1	59.0	61.3	58.3	50.3	39.3	26.0	34.3	45.9
55.0	8.78	8.80	8.82	8.83	8.80	8.85	8.90	12.9	22.2	25.3	22.7	15.4	11.6	11.6	16.7
60.0	6.67	6.69	6.72	6.74	6.75	6.82	6.88	7.06	7.28	7.48	9.02	8.33	8.45	8.65	9.04
65.0	4.56	4.59	4.62	4.67	4.72	4.81	4.89	5.05	5.26	5.44	5.63	5.75	5.91	6.13	6.48
70.0	2.45	2.48	2.53	2.61	2.72	2.81	2.90	3.08	3.27	3.43	3.61	3.71	3.77	3.85	4.09
75.0	1.87	1.87	1.86	1.85	1.82	1.75	1.64	1.59	1.47	1.50	1.69	1.86	1.96	2.06	2.08
80.0	1.28	1.28	1.28	1.27	1.25	1.19	1.12	1.08	0.99	0.91	0.76	0.65	0.48	0.62	0.77
85.0	0.70	0.70	0.70	0.69	0.68	0.65	0.62	0.60	0.54	0.50	0.42	0.36	0.28	0.21	0.15
90.0	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

UNIT: ×100cd

γ (DEG)	C(DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993
5.0	964	968	972	976	980	984	989	993	998	1002	1007	1011	1015	1019	1023
10.0	910	916	924	932	941	951	961	973	985	996	1008	1019	1031	1040	1049
15.0	826	834	843	854	868	883	901	920	941	963	984	1007	1013	1014	1015
20.0	723	731	741	755	772	792	815	842	872	897	900	905	910	918	926
25.0	608	614	623	638	657	681	711	745	763	768	776	786	799	814	828
30.0	484	487	496	511	533	561	596	620	623	632	646	665	685	706	728
35.0	368	367	366	378	401	431	465	472	483	497	518	541	569	600	628
40.0	224	233	234	243	264	299	319	328	343	364	401	422	451	467	484
45.0	120	131	133	143	162	190	194	204	218	244	275	298	311	329	344
50.0	49.2	47.7	54.3	60.1	71.6	87.3	91.8	104	122	145	161	176	193	205	218
55.0	13.9	13.0	13.6	14.1	16.1	20.0	26.3	32.0	46.5	67.0	81.4	85.8	91.8	99.1	103
60.0	9.26	9.46	9.85	10.2	11.1	11.4	11.8	12.6	14.1	24.2	31.8	27.3	21.0	40.1	61.0
65.0	6.84	6.89	7.21	7.55	8.31	8.38	8.89	9.27	9.81	10.5	10.7	11.2	12.2	21.9	35.1
70.0	4.33	4.48	4.62	4.93	5.46	5.63	6.08	6.59	7.21	7.49	7.69	7.98	8.46	10.8	16.3
75.0	2.19	2.41	2.43	2.50	2.91	3.16	3.67	4.12	4.48	4.73	4.93	5.08	5.30	5.63	6.01
80.0	0.76	0.74	0.83	0.84	1.00	1.33	1.68	1.88	2.07	2.30	2.75	3.09	3.44	3.75	4.02
85.0	0.14	0.16	0.15	0.18	0.20	0.28	0.27	0.57	0.87	1.14	1.39	1.59	1.76	1.93	2.07
90.0	0.11	0.12	0.12	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.16	0.16

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

UNIT: ×100cd

γ (DEG)	C(DEG)														
	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993
5.0	1026	1029	1031	1033	1035	1036	1037	1037	1037	1036	1035	1034	1032	1029	1027
10.0	1057	1064	1070	1074	1077	1080	1081	1082	1081	1079	1076	1072	1067	1061	1055
15.0	1016	1016	1017	1018	1019	1020	1022	1024	1026	1028	1030	1033	1036	1041	1045
20.0	934	941	947	952	956	959	962	965	967	968	969	970	971	972	971
25.0	843	858	871	881	891	898	903	906	907	907	904	901	896	889	881
30.0	749	771	791	809	824	836	843	848	847	843	836	825	813	799	784
35.0	642	653	664	675	685	694	700	706	709	711	712	711	710	706	685
40.0	496	509	520	532	542	551	557	562	565	567	566	563	560	558	553
45.0	359	370	381	391	400	408	414	418	421	422	421	419	416	413	406
50.0	229	237	245	252	259	265	271	274	278	279	279	279	278	276	269
55.0	122	145	163	178	191	200	205	207	205	199	190	177	162	148	145
60.0	81.4	98.1	111	122	130	136	140	141	141	137	130	122	111	93.3	72.6
65.0	47.1	56.7	63.2	67.4	70.6	72.8	74.5	75.5	76.2	75.9	74.2	71.1	65.4	55.3	41.8
70.0	19.4	19.8	18.0	15.1	12.1	9.94	9.11	9.97	12.4	16.1	20.1	23.7	25.7	24.5	20.1
75.0	6.28	6.43	6.61	6.70	6.82	6.87	6.89	6.87	6.83	6.79	6.67	6.55	6.41	6.30	6.08
80.0	4.20	4.32	4.45	4.52	4.61	4.65	4.66	4.65	4.63	4.60	4.51	4.42	4.32	4.23	4.09
85.0	2.17	2.24	2.31	2.35	2.40	2.43	2.44	2.44	2.43	2.41	2.36	2.31	2.25	2.20	2.12
90.0	0.17	0.17	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.23	0.22	0.21	0.20	0.19	0.17

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address:hu	
NAME: FL-TGD-BF-1000W	TYPE:LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180115-01

UNIT: ×100cd

γ (DEG)	C (DEG)														
	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993
5.0	1023	1020	1017	1013	1009	1005	1001	997	992	988	985	981	977	974	971
10.0	1047	1039	1030	1021	1012	1002	992	982	973	964	956	948	941	935	929
15.0	1050	1051	1033	1014	995	976	958	940	925	910	898	887	877	870	864
20.0	970	969	970	972	949	919	892	868	846	826	810	797	786	779	774
25.0	873	866	861	858	857	841	806	773	745	721	703	689	681	674	657
30.0	769	755	743	732	725	723	698	660	628	602	582	568	560	546	518
35.0	663	640	619	600	588	580	578	536	499	470	449	436	428	402	380
40.0	546	522	493	467	446	432	424	403	361	333	311	290	280	267	249
45.0	396	384	369	336	310	294	281	275	237	210	194	185	167	152	135
50.0	260	248	232	219	196	175	161	155	132	109	95.3	88.9	79.8	67.0	51.6
55.0	141	133	125	118	103	82.6	67.1	58.1	48.8	33.5	23.4	20.9	26.6	22.7	11.3
60.0	50.2	45.1	50.0	50.4	38.2	18.1	15.8	12.3	11.2	10.3	10.0	9.58	9.14	8.48	8.30
65.0	30.4	12.3	10.5	15.4	11.1	9.57	9.07	8.50	8.20	7.78	7.68	7.04	6.72	6.29	6.01
70.0	12.9	8.36	7.76	7.44	7.37	7.07	6.90	6.70	6.22	5.78	5.50	4.88	4.53	4.22	3.98
75.0	6.14	5.77	5.47	5.25	5.11	5.01	4.74	4.62	4.11	3.67	3.21	2.73	2.48	2.31	2.13
80.0	3.92	3.71	3.47	3.19	3.04	2.85	2.63	2.47	2.37	1.80	1.30	0.97	0.93	0.83	0.56
85.0	2.03	1.91	1.78	1.64	1.49	1.25	0.96	0.81	0.67	0.40	0.22	0.20	0.13	0.13	0.16
90.0	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.11	0.11	0.11	0.11	0.11

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018-01-15

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number: FL-B180115-01

MANUFACTURER: Feilong lighting	Address: hu	
NAME: FL-TGD-BF-1000W	TYPE: LED flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180115-01

UNIT: ×100cd

C (DEG) γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	993	993	993	993	993	993	993	993	993	993	993	993
5.0	968	965	962	960	958	956	955	953	952	951	950	949
10.0	924	920	917	915	912	911	910	909	908	907	906	905
15.0	860	856	855	843	828	816	805	796	789	783	778	774
20.0	769	747	729	713	699	686	675	665	657	651	646	642
25.0	632	611	594	578	564	553	543	533	525	519	514	510
30.0	496	476	457	442	429	418	409	401	393	387	382	378
35.0	360	343	326	312	298	286	288	290	290	289	288	286
40.0	233	218	202	193	199	203	204	204	202	200	197	195
45.0	122	107	118	125	128	129	127	123	118	112	107	104
50.0	43.9	55.3	65.0	70.8	70.6	66.2	58.2	48.1	37.1	26.7	18.2	12.7
55.0	14.7	25.4	30.1	30.7	24.9	13.2	8.60	8.55	8.57	8.63	8.69	8.75
60.0	8.30	9.41	10.6	7.16	6.95	6.76	6.60	6.56	6.55	6.59	6.62	6.65
65.0	5.92	5.73	5.48	5.21	4.99	4.81	4.65	4.60	4.56	4.55	4.55	4.55
70.0	3.83	3.67	3.45	3.23	3.02	2.88	2.73	2.65	2.60	2.54	2.49	2.46
75.0	1.95	1.75	1.51	1.31	1.25	1.42	1.52	1.63	1.73	1.79	1.83	1.86
80.0	0.35	0.47	0.62	0.77	0.85	0.97	1.04	1.11	1.19	1.23	1.26	1.27
85.0	0.21	0.28	0.35	0.43	0.47	0.53	0.57	0.61	0.65	0.67	0.69	0.70
90.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11

Test System: HOPOO HPG1900
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-01-15

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