

GONIOPHOTOMETERS SYSTEM TEST REPORT

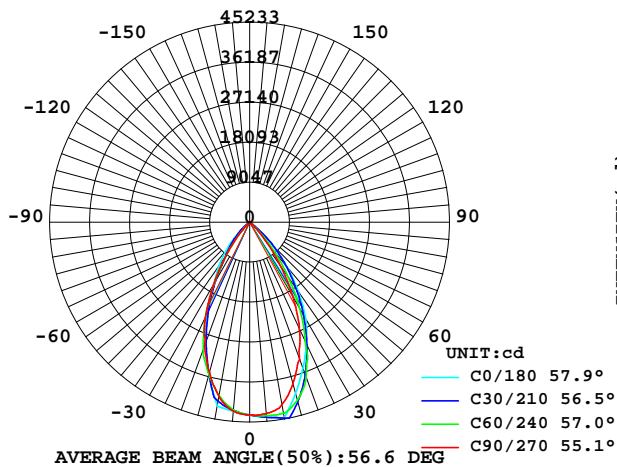
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: FL-B170621-01

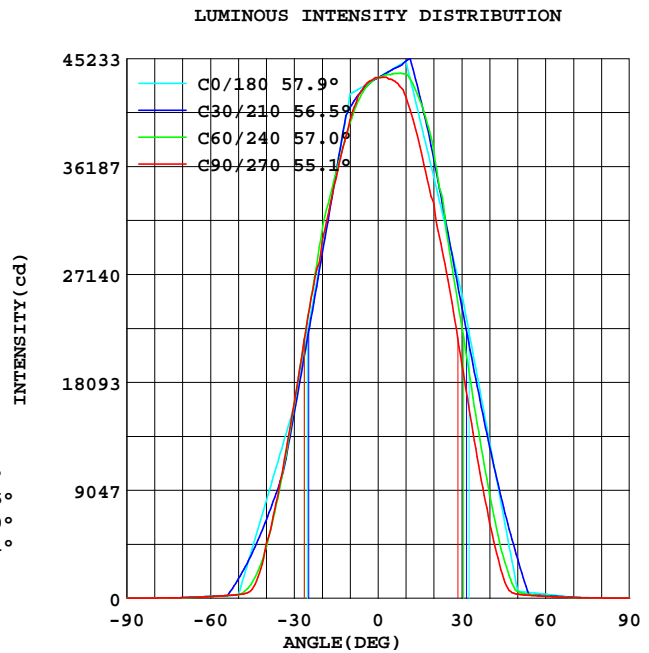
MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01

MODEL:	CREE	I _{max} (cd):	45233	Effective Flux(lm):	36988.6
NOMINAL POWER(W):	400	MAXIMUM(C, γ):	210, 11.5	EEI	0.149
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	38619.4	η street_up(%):	0.0	Current(A)	1.924
TEST FLUX(lm):	38619	η street_down(%):	47.9	Power(W)	404.3
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.977
TOTAL FLUX(lm):	38619	η house_down(%):	52.1	EFFICIENCY(lm/W)	95.5

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

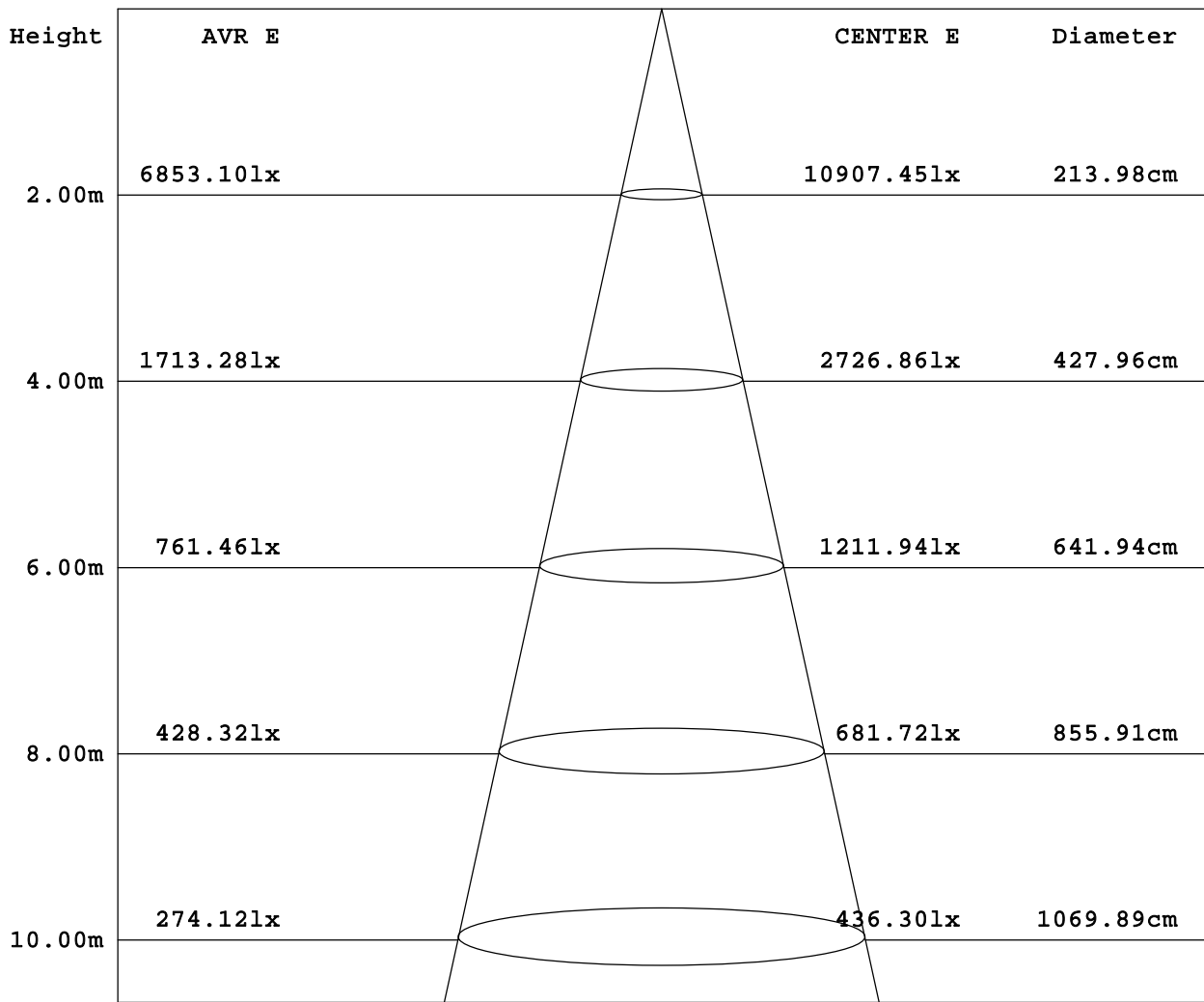
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01



Angle:56.3deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	4294	4264	4287	4389	4432	4413	4348	4305	0- 5	1041	1041
10.0	4225	4042	4010	4373	4501	4464	4199	4163	5- 10	3074	4115
15.0	3572	3633	3520	4126	4013	4345	3791	3811	10- 15	4804	8919
20.0	2918	2935	2992	3430	3526	3698	3310	3103	15- 20	5831	14751
25.0	2265	2236	2367	2737	3039	2987	2669	2402	20- 25	6158	20909
30.0	1611	1567	1639	2044	2551	2313	1969	1713	25- 30	5801	26711
35.0	1215	938.2	981.3	1441	1928	1650	1256	1060	30- 35	4824	31534
40.0	819.4	412.8	464.3	850.8	1306	1029	629.1	491.8	35- 40	3504	35038
45.0	423.5	188.2	78.34	466.3	682.9	602.6	163.6	246.0	40- 45	2113	37151
50.0	27.52	73.78	31.18	228.5	60.19	291.0	36.45	99.12	45- 50	929.4	38081
55.0	21.73	26.49	22.10	71.30	46.92	102.4	23.94	30.95	50- 55	254.0	38335
60.0	15.93	13.14	14.46	19.73	33.65	20.08	16.92	13.70	55- 60	107.8	38443
65.0	10.13	9.011	8.309	13.90	20.38	14.14	9.590	9.355	60- 65	71.59	38514
70.0	4.340	5.753	5.390	8.851	7.120	8.955	5.925	5.788	65- 70	44.58	38559
75.0	3.420	2.962	3.565	4.383	5.567	4.380	3.970	2.791	70- 75	25.61	38585
80.0	2.500	2.035	2.425	2.914	4.015	2.924	2.685	1.896	75- 80	17.05	38602
85.0	1.580	1.348	1.430	1.872	2.462	1.914	1.755	1.256	80- 85	11.36	38613
90.0	0.660	0.670	1.315	0.870	0.910	0.940	1.305	0.640	85- 90	6.482	38619
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:×10cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

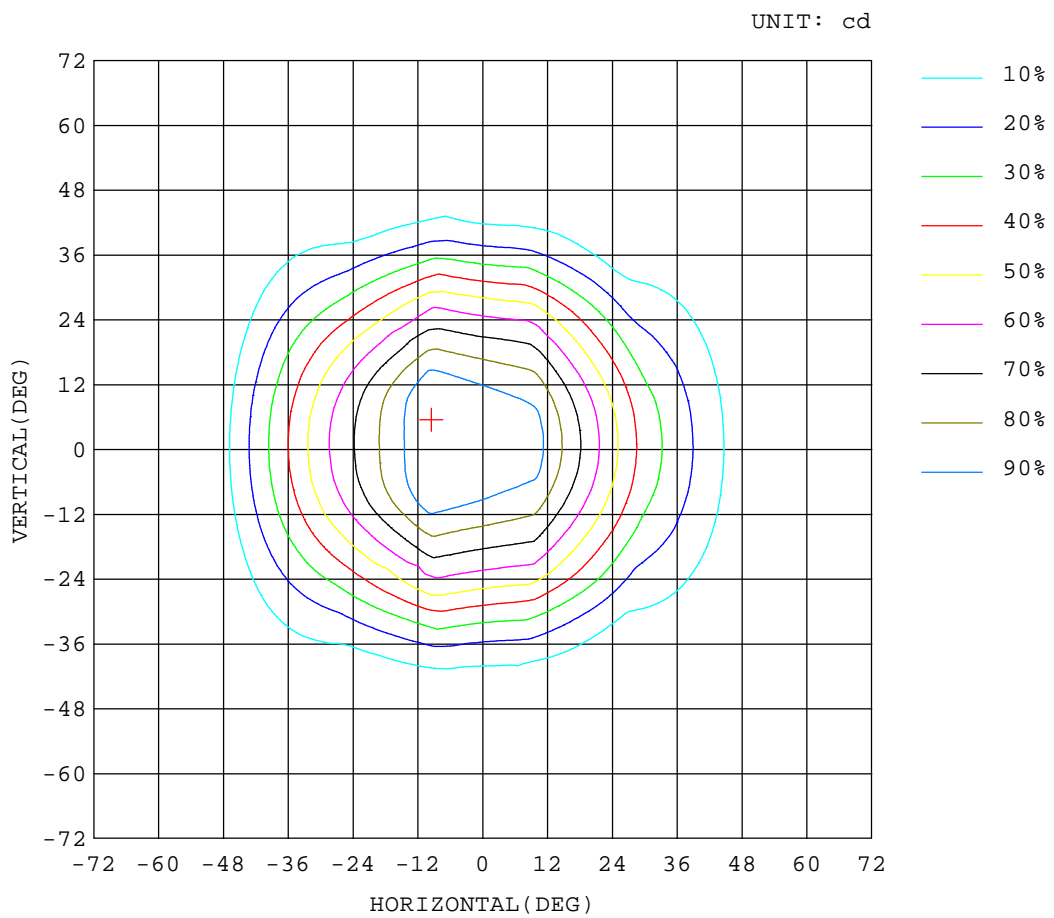
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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

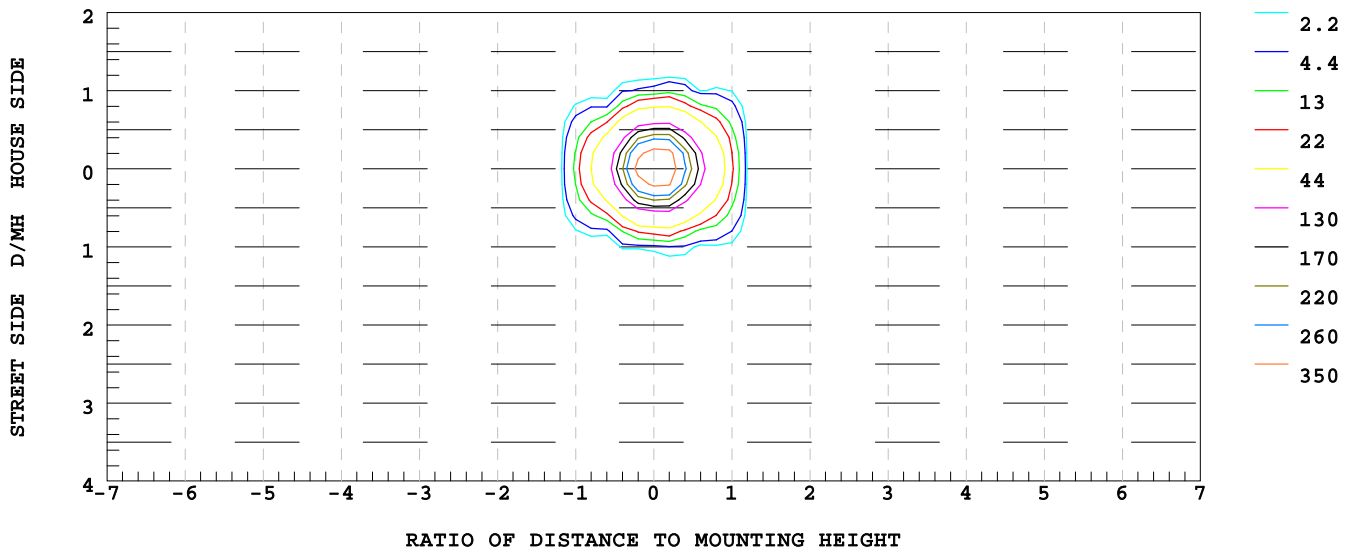
GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01

ILLUMINANCE AT MH=10 m,Enadir = 436.30 lx



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

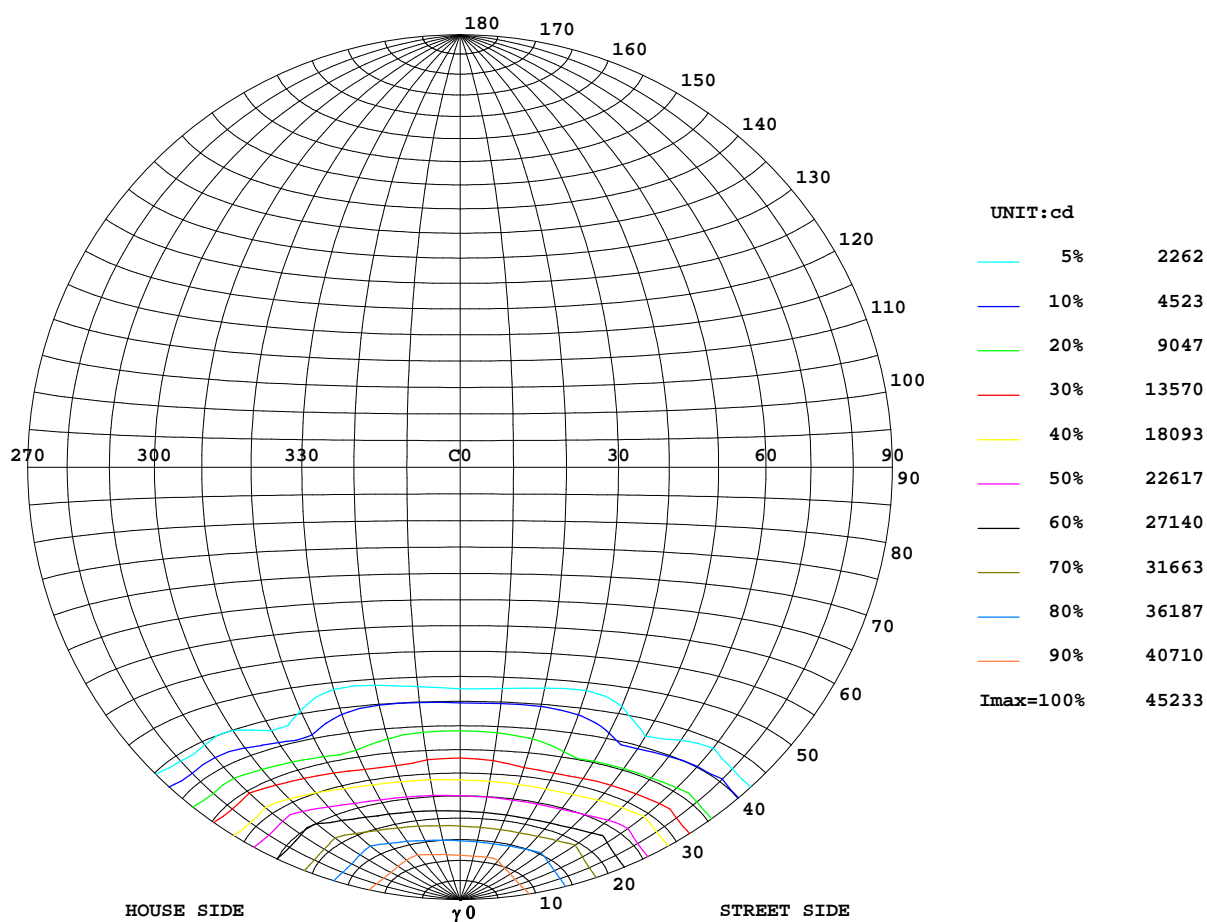
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

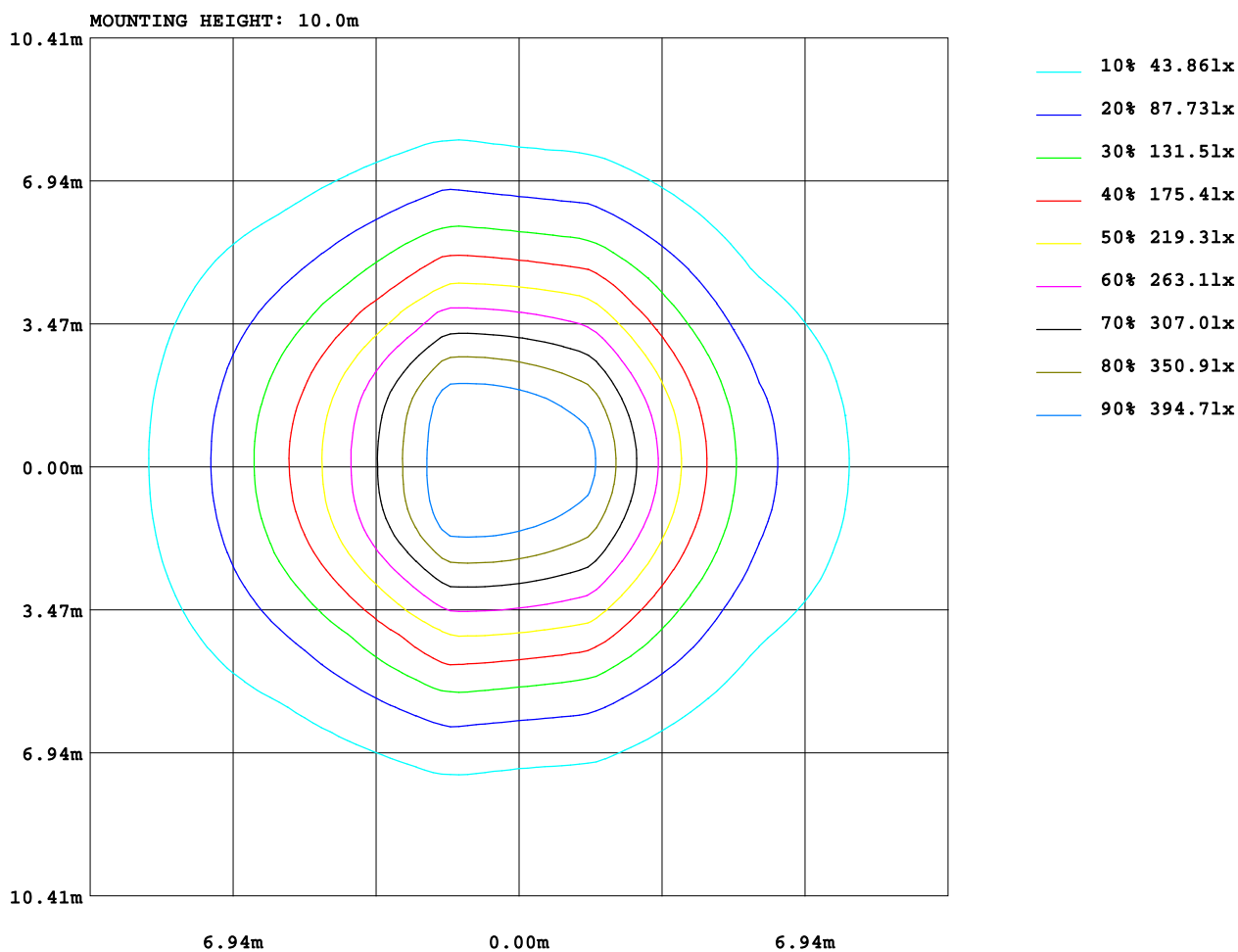
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

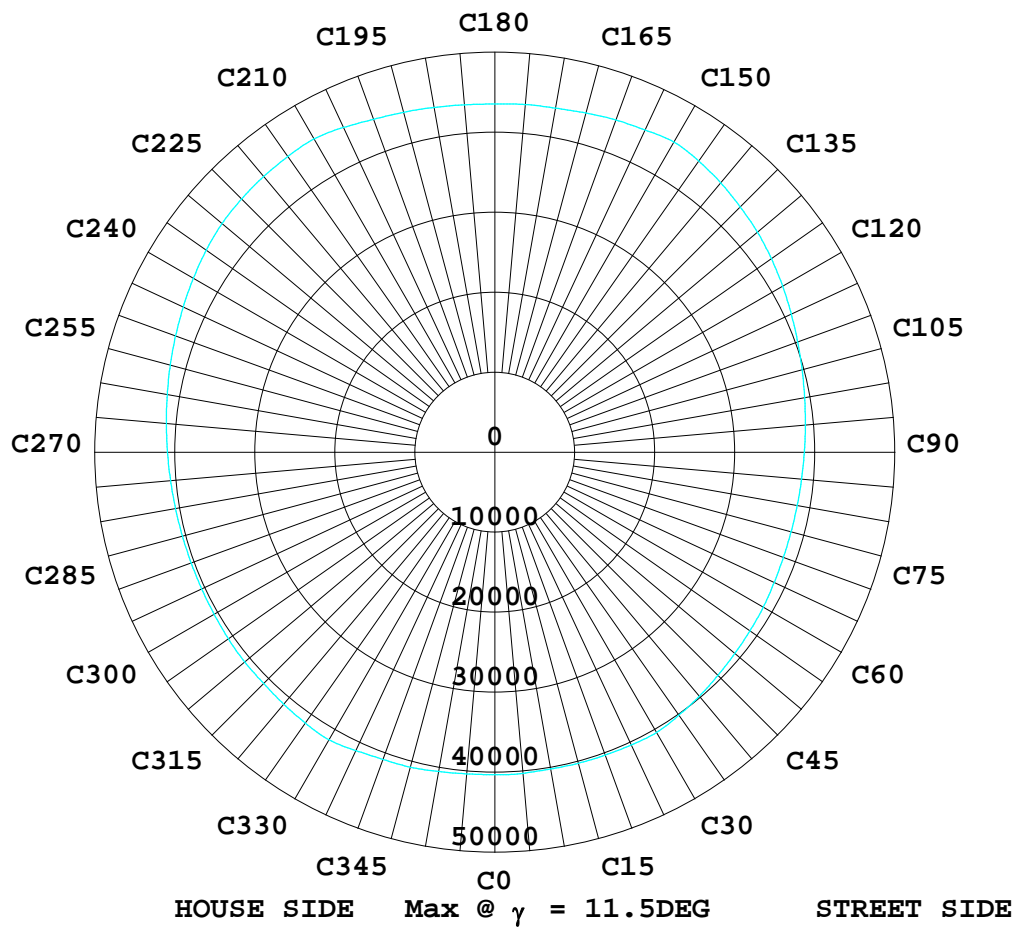
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm	Φ t	Φ a		
	0.23	0.36	0.49	0.71	0.99	1.10	1.36	1.55	1.43	1.44	1.14	0.98	0.81	0.66	0.46	0.31	0.23	0.15	14.4	0.00	
72	0.23	0.36	0.49	0.71	0.99	1.10	1.36	1.55	1.43	1.44	1.14	0.98	0.81	0.66	0.46	0.31	0.23	0.15	14.4	0.00	
64	0.29	0.46	0.79	1.41	1.88	2.31	3.07	3.32	3.29	3.29	2.70	2.16	1.59	1.22	0.94	0.52	0.29	0.18	29.7	0.00	
56	0.35	0.63	1.37	2.26	3.82	5.08	5.90	6.69	6.23	5.92	5.31	4.10	2.99	2.18	1.57	0.94	0.40	0.22	56.0	0.00	
48	0.40	0.96	2.03	3.68	19.1	26.5	35.9	60.9	62.5	49.4	40.3	19.6	7.25	6.78	2.44	1.40	0.62	0.25	340	85.5	
40	0.47	1.39	2.73	12.5	62.4	102	152	219	235	212	169	91.9	40.5	28.7	7.01	1.84	0.89	0.29	1340	1160	
32	0.60	1.88	3.53	35.7	126	214	317	428	455	426	358	227	116	68.2	20.2	2.25	1.12	0.36	2803	2707	
24	0.75	2.41	4.72	67.7	196	332	475	619	650	618	534	362	204	114	40.1	2.70	1.32	0.43	4223	4162	
	0.88	2.91	7.41	96.6	252	424	599	772	805	765	669	470	279	155	59.0	3.98	1.47	0.48	5361	5310	
	0.97	3.23	10.0	113	282	468	644	817	858	832	741	527	320	176	69.7	5.30	1.55	0.51	5869	5823	
	0.97	3.23	9.99	111	278	462	638	811	849	820	730	520	315	175	69.0	5.29	1.55	0.52	5800	5753	
	0.89	2.89	7.29	93.3	242	405	568	728	760	724	636	448	268	149	57.3	3.97	1.48	0.49	5095	5042	
-24	0.75	2.37	4.60	63.3	180	302	430	561	592	567	493	334	188	106	38.0	2.74	1.34	0.43	3868	3803	
-32	0.60	1.85	3.48	32.1	110	183	273	370	392	366	308	197	102	61.0	18.7	2.29	1.14	0.36	2423	2310	
-40	0.48	1.39	2.70	11.0	50.7	78.2	117	169	181	165	133	73.1	31.9	24.0	6.44	1.88	0.91	0.30	1048	828	
-48	0.41	0.97	2.01	3.51	14.1	16.7	22.6	36.9	36.6	30.5	27.3	15.3	6.58	5.67	2.38	1.42	0.64	0.25	224	5.53	
-56	0.35	0.64	1.37	2.24	3.32	4.11	4.73	5.51	5.66	5.14	4.76	4.21	3.16	2.13	1.54	0.96	0.41	0.22	50.5	0.00	
-64	0.30	0.47	0.80	1.40	1.85	2.16	2.53	2.82	3.06	2.69	2.49	2.22	1.60	1.18	0.93	0.53	0.30	0.19	27.5	0.00	
-72	0.23	0.37	0.50	0.71	0.99	1.11	1.20	1.22	1.36	1.19	1.18	1.00	0.79	0.66	0.48	0.33	0.24	0.15	13.7	0.00	
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)				16	24	32	40	48	56	64	72	
Φ t	9.91	28.4	65.9	653	1826	3029	4289	5612	5898	5594	4856	3300	1890	1078	397	38.7	15.9	5.77	38619		
Φ a	0.00	0.00	0.00	490	1700	2920	4194	5518	5815	5512	4760	3191	1770	929	189	0.00	0.00	0.00		36989	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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

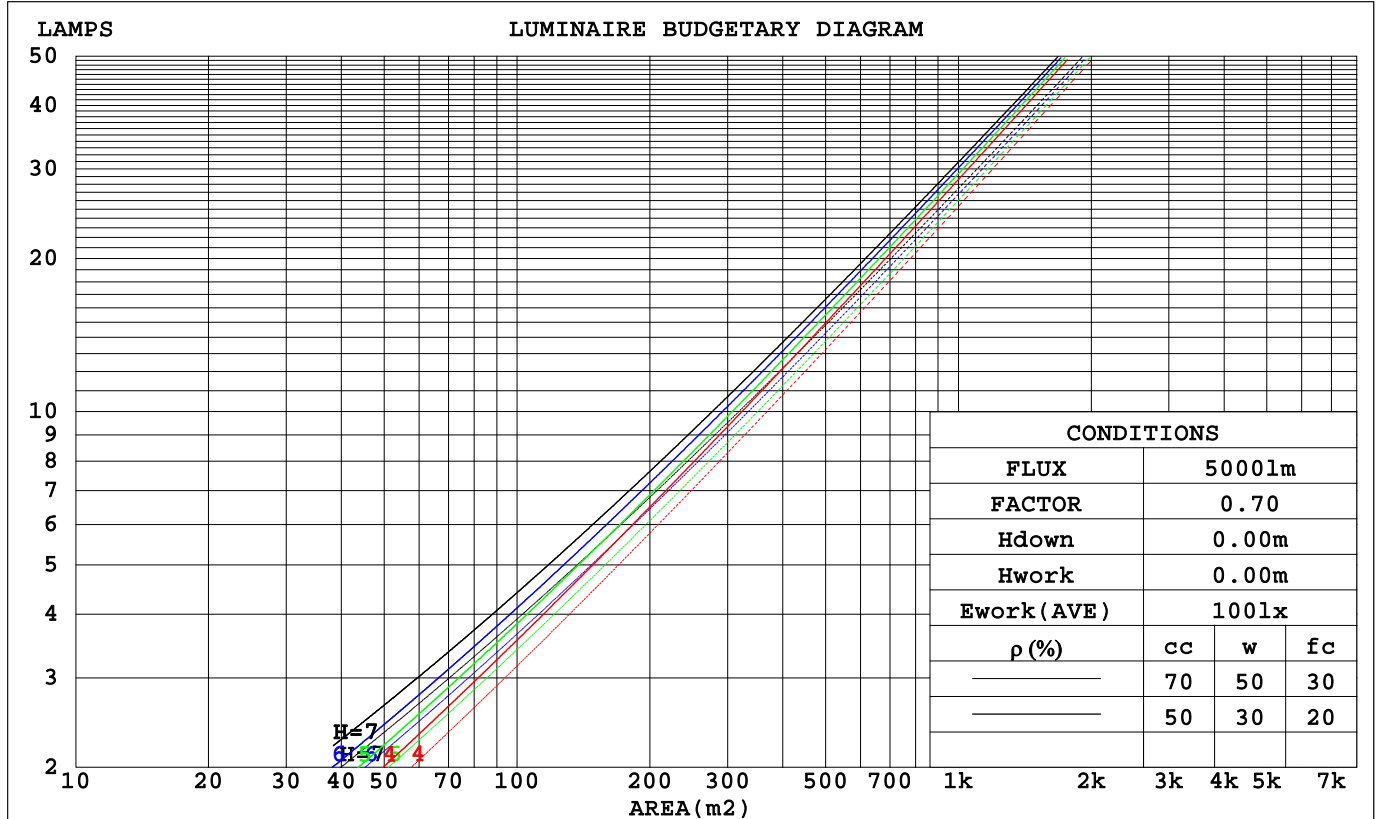
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: FL-B170621-01

MANUFACTURER: Feilong lighting				Address:			
NAME: led flood light				TYPE:led flood light		WEIGHT:	
SPECIFICATION:				DIMENSION:		SERIAL No.:FL-C170621-01	

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	1.00
1.0	1.11	1.08	1.06	1.09	1.06	1.04	1.04	1.03	1.01	1.01	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.87
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.81
4.0	.89	.84	.80	.88	.83	.79	.86	.82	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.73	.83	.77	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.70
6.0	.78	.72	.68	.78	.72	.68	.76	.71	.67	.75	.70	.67	.73	.70	.66	.65
7.0	.74	.68	.63	.73	.67	.63	.72	.67	.63	.71	.66	.63	.69	.65	.62	.61
8.0	.69	.63	.59	.69	.63	.59	.68	.63	.59	.67	.62	.59	.66	.61	.58	.57
9.0	.65	.59	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.53
10.0	.62	.56	.52	.61	.56	.52	.61	.55	.52	.60	.55	.52	.59	.55	.52	.50



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01

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	.179	.102	.032	.173	.098	.031	.160	.092	.029	.148	.086	.027	.138	.080	.026	
2.0	.172	.094	.029	.167	.092	.028	.156	.087	.027	.146	.082	.026	.137	.078	.024	
3.0	.164	.087	.026	.160	.085	.026	.150	.082	.025	.142	.078	.024	.134	.074	.023	
4.0	.157	.081	.024	.153	.080	.024	.145	.077	.023	.137	.074	.022	.131	.071	.022	
5.0	.150	.076	.022	.146	.075	.022	.139	.072	.021	.133	.070	.021	.127	.068	.020	
6.0	.143	.072	.021	.140	.071	.020	.134	.069	.020	.128	.067	.020	.123	.065	.019	
7.0	.137	.068	.019	.134	.067	.019	.128	.065	.019	.123	.063	.018	.119	.062	.018	
8.0	.131	.064	.018	.128	.063	.018	.124	.062	.018	.119	.060	.017	.115	.059	.017	
9.0	.125	.061	.017	.123	.060	.017	.119	.059	.017	.115	.058	.016	.111	.056	.016	
10.0	.120	.058	.016	.118	.057	.016	.114	.056	.016	.111	.055	.016	.107	.054	.015	

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	.171	.157	.145	.147	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.108	.076	.051	.074	.053	.036	.043	.031	.022	.014	.010	.007	
6.0	.118	.078	.049	.102	.068	.043	.070	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.112	.071	.042	.096	.061	.036	.067	.043	.026	.039	.025	.015	.012	.008	.005	
8.0	.106	.064	.036	.092	.056	.031	.063	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.101	.059	.031	.087	.051	.027	.060	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.083	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting						Address:					
NAME: led flood light						TYPE:led flood light			WEIGHT:		
SPECIFICATION:						DIMENSION:			SERIAL No.:FL-C170621-01		
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	20.9	21.9	21.1	22.0	22.2	19.1	20.0	19.3	20.2	20.4	
3H	20.7	21.6	21.0	21.8	22.0	18.9	19.8	19.2	20.0	20.2	
4H	20.6	21.5	20.9	21.7	21.9	18.8	19.7	19.1	19.9	20.1	
6H	20.6	21.3	20.8	21.6	21.8	18.7	19.5	19.0	19.8	20.0	
8H	20.5	21.3	20.8	21.5	21.8	18.7	19.4	19.0	19.7	20.0	
12H	20.5	21.2	20.8	21.5	21.7	18.7	19.4	19.0	19.6	19.9	
4H 2H	20.6	21.5	20.9	21.7	21.9	18.8	19.7	19.1	19.9	20.1	
3H	20.5	21.2	20.8	21.5	21.7	18.7	19.4	19.0	19.6	19.9	
4H	20.4	21.0	20.7	21.3	21.6	18.6	19.2	18.9	19.5	19.8	
6H	20.3	20.9	20.7	21.2	21.5	18.5	19.1	18.9	19.4	19.7	
8H	20.2	20.8	20.6	21.1	21.5	18.4	19.0	18.8	19.3	19.7	
12H	20.2	20.7	20.6	21.0	21.4	18.4	18.9	18.8	19.2	19.6	
8H 4H	20.2	20.8	20.6	21.1	21.5	18.4	19.0	18.8	19.3	19.7	
6H	20.1	20.6	20.6	21.0	21.4	18.3	18.8	18.8	19.2	19.6	
8H	20.1	20.5	20.5	20.9	21.3	18.3	18.7	18.7	19.1	19.5	
12H	20.0	20.4	20.5	20.8	21.3	18.2	18.6	18.7	19.0	19.5	
12H 4H	20.2	20.7	20.6	21.0	21.4	18.4	18.9	18.8	19.2	19.6	
6H	20.1	20.5	20.5	20.9	21.3	18.3	18.7	18.7	19.1	19.5	
8H	20.0	20.4	20.5	20.8	21.3	18.2	18.6	18.7	19.0	19.5	
Variations with the observer position at spacings:											
S = 1.0H	+ 3.2 / -14.2					+ 3.5 / -12.2					
1.5H	+ 4.9 / -14.6					+ 6.1 / -10.7					
2.0H	+ 7.4 / -10.3					+ 4.3 / - 3.2					

CIE Pub.117 Corrected 38619 lm Total Lamp Luminous Flux.(8log(F/F0) = 12.7)

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE:led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C170621-01

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	86	79	75	85	79	75	84	79	75	71
0.80	93	87	83	93	87	83	92	86	83	79
1.00	98	93	89	98	92	89	96	92	88	84
1.25	103	97	94	102	97	93	100	95	92	88
1.50	105	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	108	112	109	107	108	106	104	97
5.00	115	112	111	113	111	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE: led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C170621-01

UNIT: ×10cd

γ (DEG)	C(DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363
5.0	4294	4293	4293	4287	4280	4274	4271	4269	4266	4264	4262	4262	4260	4261	4263
10.0	4225	4220	4202	4184	4164	4140	4114	4084	4060	4042	4017	3997	3985	3977	3972
15.0	3572	3566	3559	3558	3558	3559	3570	3581	3607	3633	3649	3609	3574	3542	3518
20.0	2918	2908	2901	2894	2888	2880	2885	2889	2910	2935	2966	3023	3083	3056	3006
25.0	2265	2253	2245	2237	2221	2216	2213	2211	2219	2236	2267	2314	2371	2436	2440
30.0	1611	1601	1596	1586	1574	1569	1551	1544	1553	1567	1591	1609	1620	1652	1679
35.0	1215	1204	1188	1152	1119	1057	982	920	932	938	941	938	943	968	995
40.0	819	812	803	781	758	711	658	596	512	413	390	413	432	455	465
45.0	424	422	426	429	424	407	383	341	275	188	116	69.5	136	182	140
50.0	27.5	35.7	58.2	90.2	123	149	163	155	119	73.7	40.9	33.5	31.8	38.2	33.6
55.0	21.7	21.7	21.6	21.5	21.4	21.1	20.9	29.1	36.7	26.4	22.6	21.8	21.9	22.4	21.7
60.0	15.9	15.9	15.9	15.9	15.8	15.7	15.5	15.1	14.3	13.1	13.1	13.5	14.1	14.6	14.7
65.0	10.1	10.1	10.2	10.3	10.4	10.6	10.5	10.3	9.82	9.01	8.09	7.25	8.06	8.68	8.68
70.0	4.34	4.40	4.59	4.83	5.14	5.53	5.85	6.01	6.00	5.75	5.34	5.03	4.76	4.67	5.13
75.0	3.42	3.42	3.40	3.34	3.27	3.22	3.11	2.99	2.89	2.96	3.10	3.14	3.11	3.04	2.95
80.0	2.50	2.50	2.48	2.44	2.40	2.36	2.28	2.20	2.12	2.03	1.95	1.88	1.80	1.86	1.87
85.0	1.58	1.58	1.57	1.55	1.53	1.51	1.47	1.43	1.39	1.34	1.30	1.26	1.22	1.19	1.13
90.0	0.66	0.67	0.66	0.67	0.67	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE: led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C170621-01

UNIT: ×10cd

γ (DEG)	C(DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363
5.0	4267	4272	4279	4287	4297	4307	4318	4330	4343	4356	4369	4380	4389	4397	4404
10.0	3973	3980	3992	4010	4034	4064	4100	4142	4189	4232	4276	4323	4373	4409	4439
15.0	3500	3495	3501	3520	3553	3599	3659	3732	3814	3907	3995	4101	4126	4127	4118
20.0	2977	2966	2971	2992	3029	3083	3154	3242	3346	3432	3424	3411	3430	3452	3479
25.0	2389	2350	2343	2367	2420	2502	2609	2727	2751	2667	2693	2715	2737	2781	2830
30.0	1682	1634	1618	1639	1697	1792	1926	2015	1989	2002	2020	2034	2044	2130	2198
35.0	1031	983	966	981	1031	1117	1234	1231	1238	1267	1320	1371	1441	1502	1589
40.0	464	464	464	464	488	556	600	611	621	657	706	766	851	967	1064
45.0	107	83.0	75.3	78.3	98.9	144	173	201	214	218	237	382	466	562	635
50.0	30.8	29.9	30.1	31.1	33.5	35.6	36.9	41.5	51.4	40.2	60.1	132	229	270	293
55.0	20.9	20.9	21.2	22.1	23.9	24.2	23.3	23.9	23.9	24.9	28.1	38.8	71.3	80.4	47.2
60.0	13.8	13.5	13.6	14.4	16.4	15.9	15.7	16.1	16.6	17.0	18.1	19.5	19.7	20.4	21.0
65.0	8.54	7.98	7.64	8.30	9.70	9.11	8.85	9.74	10.5	10.8	11.5	12.9	13.9	14.4	14.7
70.0	5.42	5.34	4.85	5.39	6.02	5.32	5.39	5.94	6.35	6.79	7.47	8.27	8.85	8.95	8.84
75.0	3.24	3.66	3.29	3.56	3.71	3.18	3.61	3.96	4.13	4.29	4.45	4.57	4.38	4.31	4.59
80.0	1.88	2.13	2.49	2.42	2.08	2.24	2.38	2.42	2.42	2.40	2.56	2.73	2.91	3.12	3.30
85.0	1.01	1.00	1.23	1.43	1.21	1.23	1.28	1.42	1.51	1.60	1.69	1.78	1.87	1.98	2.07
90.0	0.67	0.67	0.67	1.31	0.83	0.83	0.84	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE: led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C170621-01

UNIT: ×10cd

γ (DEG)	C(DEG)														
	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363
5.0	4410	4415	4421	4429	4433	4433	4432	4432	4432	4432	4432	4431	4429	4426	4420
10.0	4462	4484	4493	4495	4499	4506	4501	4501	4504	4505	4502	4500	4504	4490	4478
15.0	4106	4093	4070	4053	4028	4019	4013	4022	4041	4067	4112	4152	4207	4265	4311
20.0	3516	3531	3544	3543	3535	3526	3526	3538	3555	3585	3617	3650	3674	3682	3684
25.0	2884	2944	2981	3010	3031	3031	3039	3053	3062	3076	3081	3081	3066	3044	3014
30.0	2269	2348	2419	2463	2515	2534	2551	2561	2557	2541	2513	2490	2444	2397	2348
35.0	1683	1757	1822	1864	1896	1917	1928	1938	1943	1926	1917	1879	1839	1775	1705
40.0	1141	1199	1241	1273	1287	1300	1306	1315	1324	1319	1320	1302	1269	1211	1134
45.0	676	700	703	700	689	684	683	693	711	730	750	766	760	737	678
50.0	288	254	203	149	102	70.9	60.1	71.2	104	156	218	280	328	349	340
55.0	28.8	30.4	32.5	35.9	40.7	45.1	46.9	45.2	41.2	37.0	32.9	31.0	29.3	52.7	101
60.0	21.6	22.6	23.9	26.0	29.2	32.4	33.6	32.4	29.6	26.6	24.1	22.8	21.9	21.2	20.6
65.0	14.8	15.2	15.8	16.7	18.2	19.8	20.3	19.7	18.4	16.9	15.9	15.3	15.0	14.8	14.6
70.0	8.58	8.31	8.10	7.83	7.55	7.26	7.12	7.20	7.48	7.72	8.01	8.25	8.53	8.81	8.97
75.0	4.82	5.02	5.26	5.41	5.50	5.55	5.56	5.51	5.43	5.30	5.16	4.93	4.73	4.49	4.21
80.0	3.49	3.62	3.79	3.90	3.96	4.00	4.01	3.97	3.91	3.83	3.73	3.56	3.44	3.26	3.08
85.0	2.18	2.24	2.33	2.39	2.43	2.45	2.46	2.43	2.40	2.37	2.32	2.23	2.18	2.07	1.99
90.0	0.89	0.89	0.89	0.90	0.90	0.90	0.91	0.90	0.90	0.91	0.91	0.91	0.92	0.92	0.93

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE: led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C170621-01

UNIT: ×10cd

γ (DEG) \ C (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363
5.0	4413	4405	4398	4392	4386	4379	4371	4364	4356	4348	4340	4333	4326	4319	4314
10.0	4464	4443	4419	4394	4365	4324	4287	4254	4224	4199	4178	4163	4153	4149	4151
15.0	4345	4351	4258	4171	4089	4012	3938	3877	3828	3791	3764	3748	3741	3742	3756
20.0	3698	3697	3712	3737	3645	3533	3462	3409	3357	3310	3272	3247	3239	3253	3281
25.0	2987	2976	3038	2996	3035	3010	2899	2798	2721	2669	2645	2647	2677	2728	2697
30.0	2313	2275	2269	2280	2303	2352	2269	2130	2031	1969	1943	1950	1988	1989	1919
35.0	1650	1602	1574	1537	1528	1536	1565	1429	1322	1256	1231	1248	1290	1227	1178
40.0	1029	962	912	869	839	821	837	797	688	629	616	644	645	618	580
45.0	603	491	369	337	327	325	353	288	204	164	156	171	167	226	220
50.0	291	209	121	57.9	82.6	72.7	49.0	39.9	38.7	36.4	35.2	35.2	36.5	40.5	50.8
55.0	102	68.2	36.1	29.7	27.4	28.3	25.7	24.7	24.1	23.9	24.6	24.0	22.2	21.6	20.5
60.0	20.0	21.7	19.8	19.0	19.6	20.4	18.7	17.5	17.2	16.9	17.6	16.1	14.6	14.1	14.1
65.0	14.1	13.1	11.5	11.3	12.1	12.4	12.0	10.6	9.73	9.59	10.3	9.17	7.94	8.29	8.57
70.0	8.95	8.38	7.48	6.63	6.22	6.74	7.00	6.72	5.80	5.92	6.22	5.20	4.86	4.92	4.83
75.0	4.38	4.56	4.44	4.23	3.95	3.71	4.00	4.55	3.97	3.97	3.91	3.13	3.13	3.09	3.07
80.0	2.92	2.75	2.59	2.44	2.44	2.37	2.24	2.46	3.00	2.68	2.28	2.04	1.93	1.82	1.73
85.0	1.91	1.83	1.74	1.67	1.59	1.49	1.35	1.21	1.42	1.75	1.17	1.04	0.83	1.00	1.07
90.0	0.94	0.94	0.93	0.95	0.94	0.95	0.95	0.95	0.96	1.30	0.63	0.64	0.64	0.64	0.64

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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-B170621-01

MANUFACTURER: Feilong lighting	Address:	
NAME: led flood light	TYPE: led flood light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C170621-01

UNIT: ×10cd

γ (DEG)	C(DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363	4363
5.0	4309	4305	4303	4305	4307	4308	4305	4304	4301	4298	4296	4295
10.0	4146	4144	4149	4163	4173	4184	4193	4202	4219	4229	4229	4226
15.0	3782	3811	3844	3811	3768	3727	3689	3662	3631	3609	3597	3579
20.0	3305	3223	3166	3103	3072	3037	3010	2991	2973	2953	2938	2926
25.0	2586	2514	2455	2402	2368	2339	2331	2310	2306	2295	2280	2271
30.0	1862	1813	1766	1713	1683	1662	1647	1650	1631	1637	1627	1613
35.0	1147	1112	1088	1060	1029	1005	1064	1120	1164	1195	1211	1213
40.0	548	521	490	492	585	661	716	763	799	809	821	820
45.0	172	88.6	160	246	327	386	425	441	448	443	437	427
50.0	28.4	33.7	46.4	99.1	150	177	180	161	129	92.5	59.0	35.7
55.0	19.9	20.2	23.1	30.9	44.1	31.0	20.5	20.7	21.0	21.1	21.4	21.6
60.0	13.5	13.0	13.2	13.7	14.7	15.1	15.3	15.4	15.6	15.6	15.7	15.8
65.0	8.09	7.55	8.38	9.35	10.0	10.3	10.4	10.3	10.2	10.1	10.0	10.1
70.0	4.88	5.10	5.40	5.78	5.99	5.94	5.68	5.36	5.04	4.71	4.49	4.36
75.0	3.06	3.05	2.97	2.79	2.70	2.82	2.95	3.09	3.21	3.27	3.33	3.38
80.0	1.63	1.72	1.80	1.89	1.99	2.08	2.17	2.27	2.35	2.39	2.43	2.47
85.0	1.12	1.16	1.21	1.25	1.31	1.36	1.41	1.45	1.50	1.52	1.54	1.56
90.0	0.65	0.64	0.65	0.64	0.66	0.65	0.66	0.65	0.66	0.65	0.66	0.66

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2017年06月21日

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