

GONIOPHOTOMETERS SYSTEM TEST REPORT

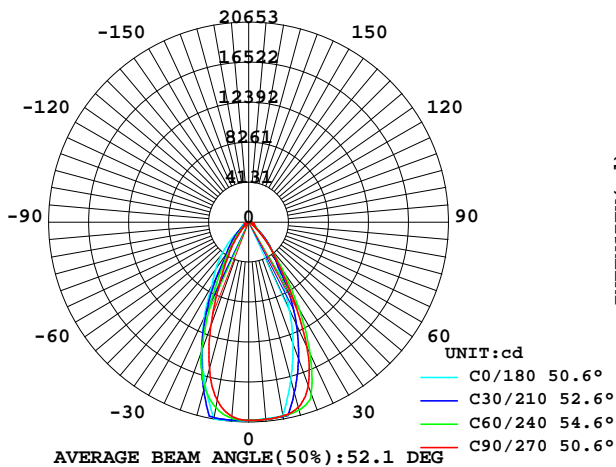
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: FL-B18012401

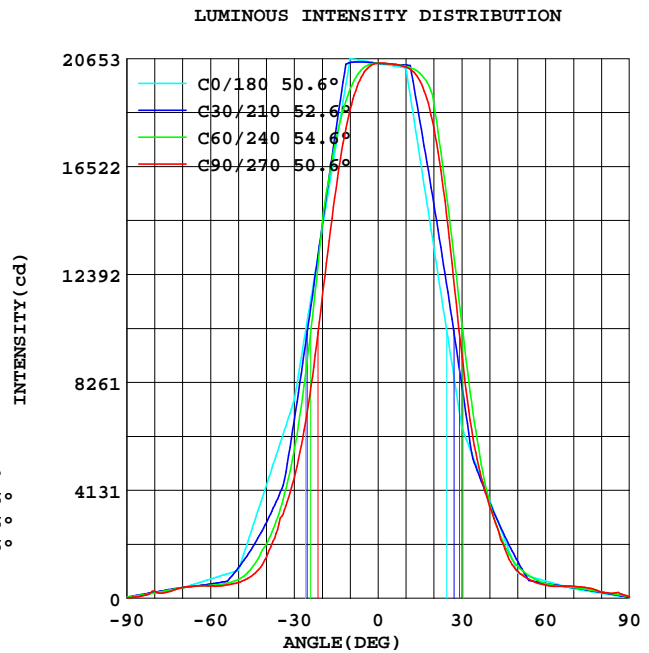
MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401

MODEL:	Philips 3030	I _m max(cd):	20688	Effective Flux(lm):	15972.8
NOMINAL POWER(W):	150	MAXIMUM(C, γ):	10, 10.0	EEI	0.126
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.8
NOMINAL FLUX(lm):	18229.9	η street_up(%):	0.0	Current(A)	0.676
TEST FLUX(lm):	18230	η street_down(%):	43.8	Power(W)	148.1
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.991
TOTAL FLUX(lm):	18230	η house_down(%):	56.2	EFFICIENCY(lm/W)	123.1

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

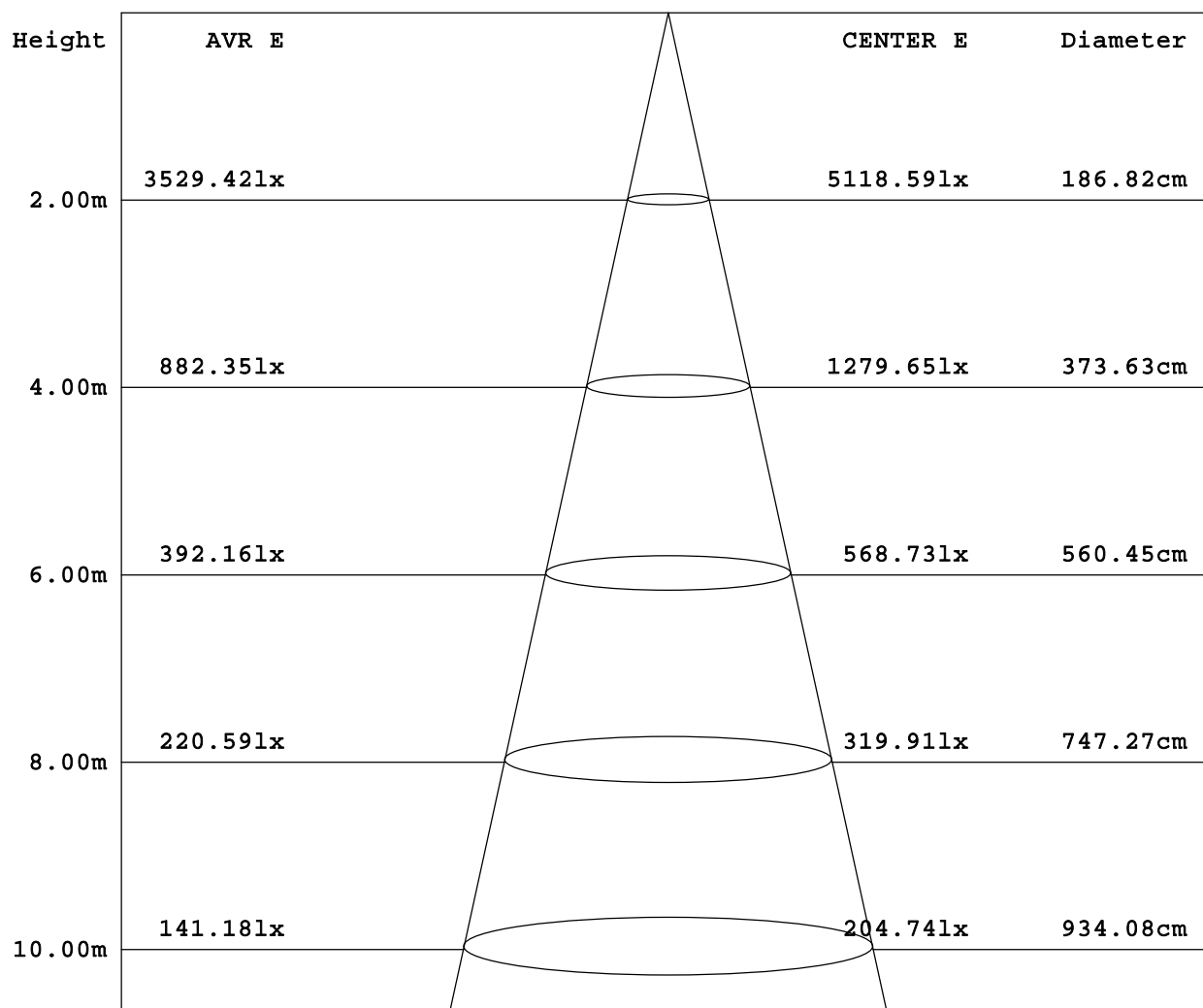
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: FL-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401



Angle:50.1deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2056	2043	2013	2018	2039	2044	2045	2049	0- 5	488.4	488.4
10.0	2065	2005	1868	1936	2030	2039	2032	2044	5- 10	1446	1934
15.0	1738	1852	1569	1741	1686	1975	1981	1985	10- 15	2267	4201
20.0	1412	1434	1151	1333	1342	1681	1801	1702	15- 20	2716	6917
25.0	1085	1010	734.2	931.7	997.7	1335	1424	1366	20- 25	2739	9656
30.0	757.7	646.0	460.5	597.5	653.7	958.9	937.6	991.7	25- 30	2365	12022
35.0	595.0	382.9	306.5	351.6	514.3	599.0	558.1	627.5	30- 35	1793	13814
40.0	432.3	218.8	157.6	200.6	374.9	323.0	351.4	346.5	35- 40	1312	15126
45.0	269.6	148.2	87.92	136.8	235.5	221.5	202.3	243.9	40- 45	926.6	16053
50.0	107.0	100.5	60.64	93.00	96.19	142.0	103.5	151.2	45- 50	595.7	16649
55.0	90.32	68.06	49.58	63.91	81.27	88.18	67.54	91.83	50- 55	364.5	17013
60.0	73.63	48.08	47.21	46.91	66.36	52.96	50.48	54.56	55- 60	280.6	17294
65.0	56.94	42.62	47.05	41.07	51.45	45.72	45.97	46.45	60- 65	245.5	17540
70.0	40.26	37.91	41.48	35.19	36.54	39.13	45.99	39.31	65- 70	219.8	17760
75.0	30.90	33.15	24.98	29.00	28.01	33.48	40.27	33.39	70- 75	186.0	17946
80.0	21.55	23.80	26.97	20.29	19.50	24.41	23.69	24.20	75- 80	141.2	18087
85.0	12.20	13.98	7.910	11.59	10.98	14.81	21.00	14.63	80- 85	95.08	18182
90.0	2.850	4.230	1.760	3.140	2.460	5.160	5.420	5.090	85- 90	47.89	18230
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: $\times 10\text{cd}$									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

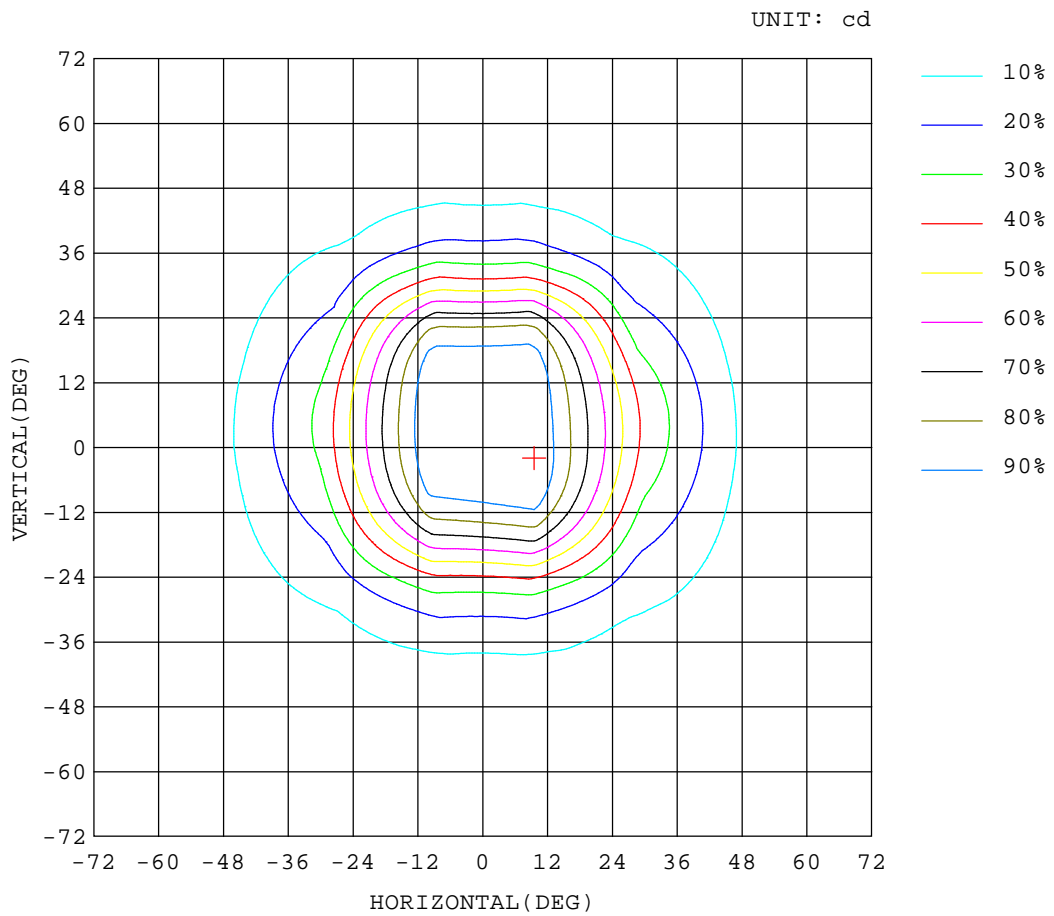
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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

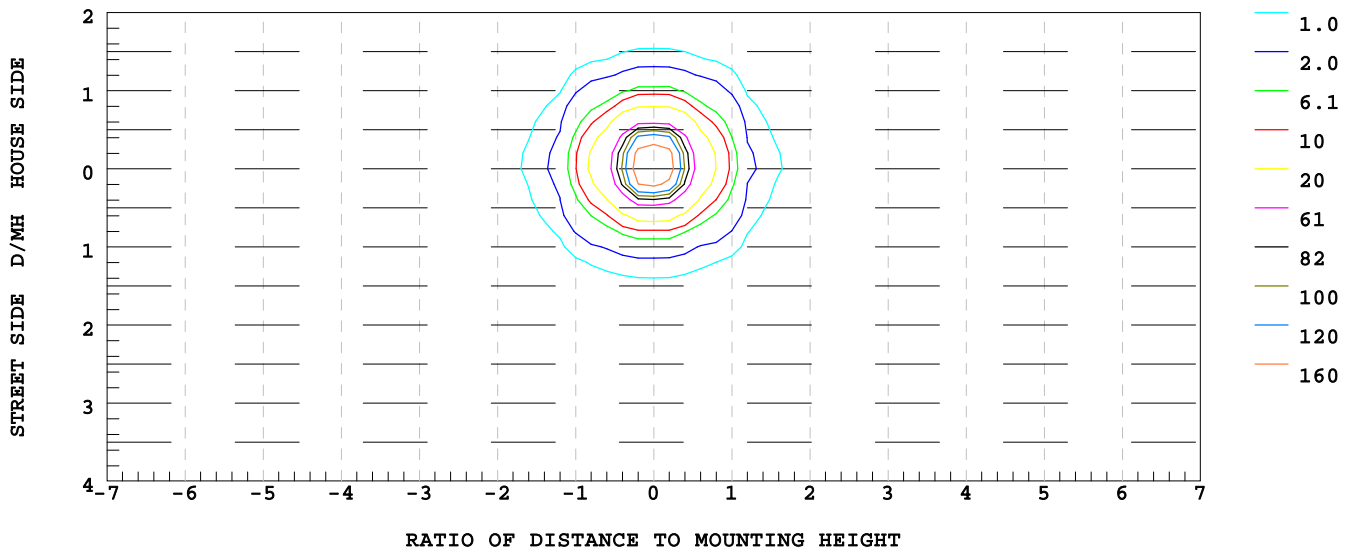
GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401

ILLUMINANCE AT MH=10 m,Enadir = 204.74 lx



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

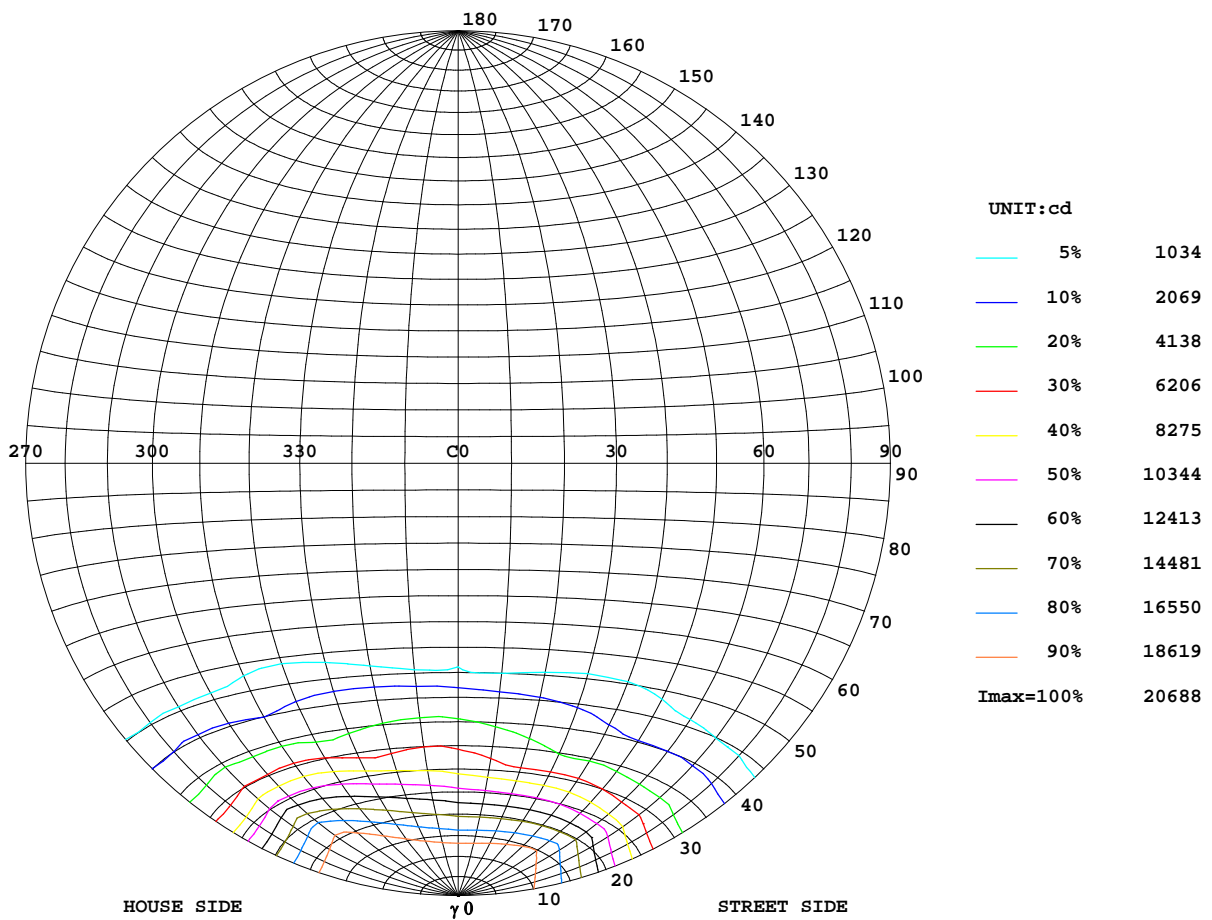
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401



Test System:HOPPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

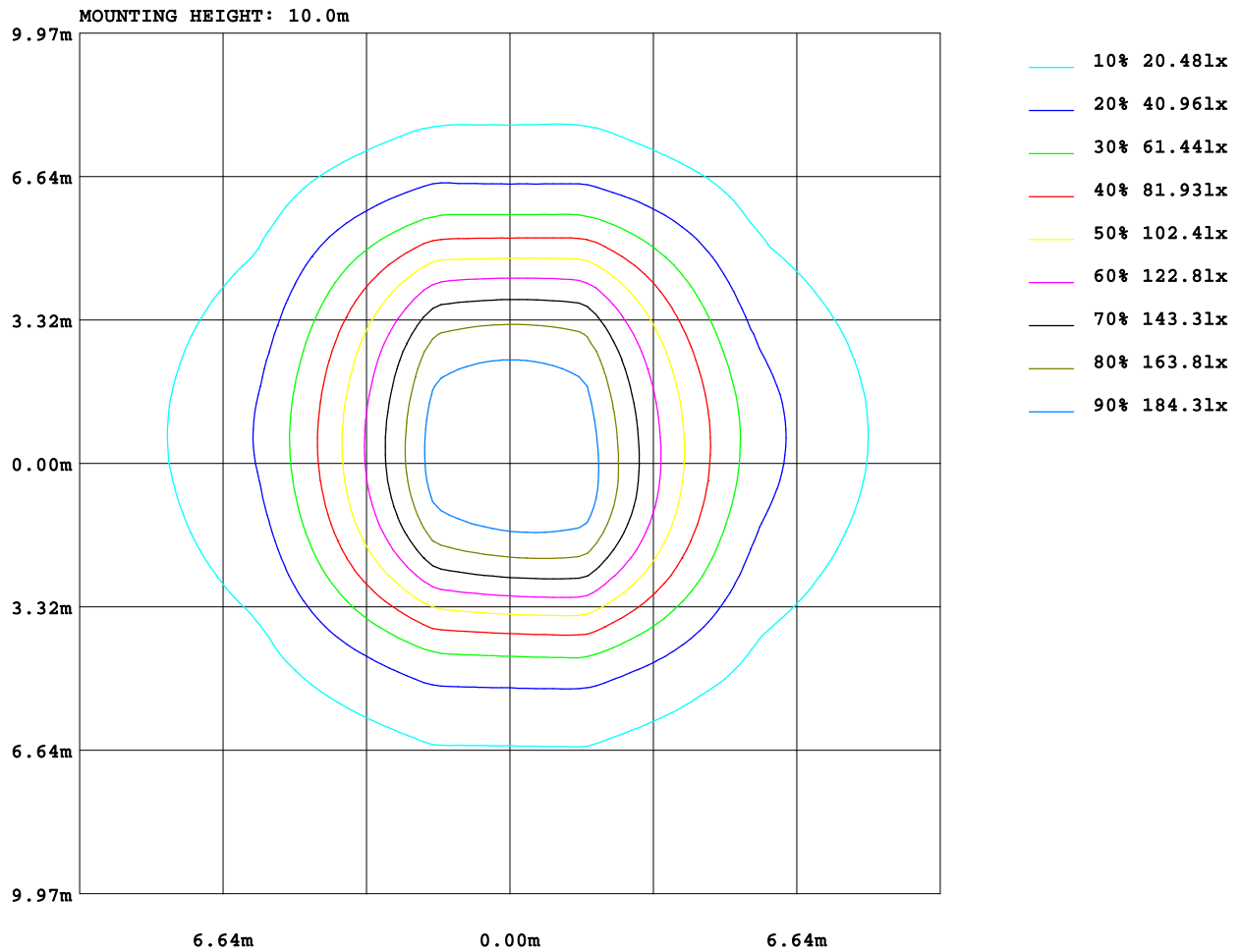
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

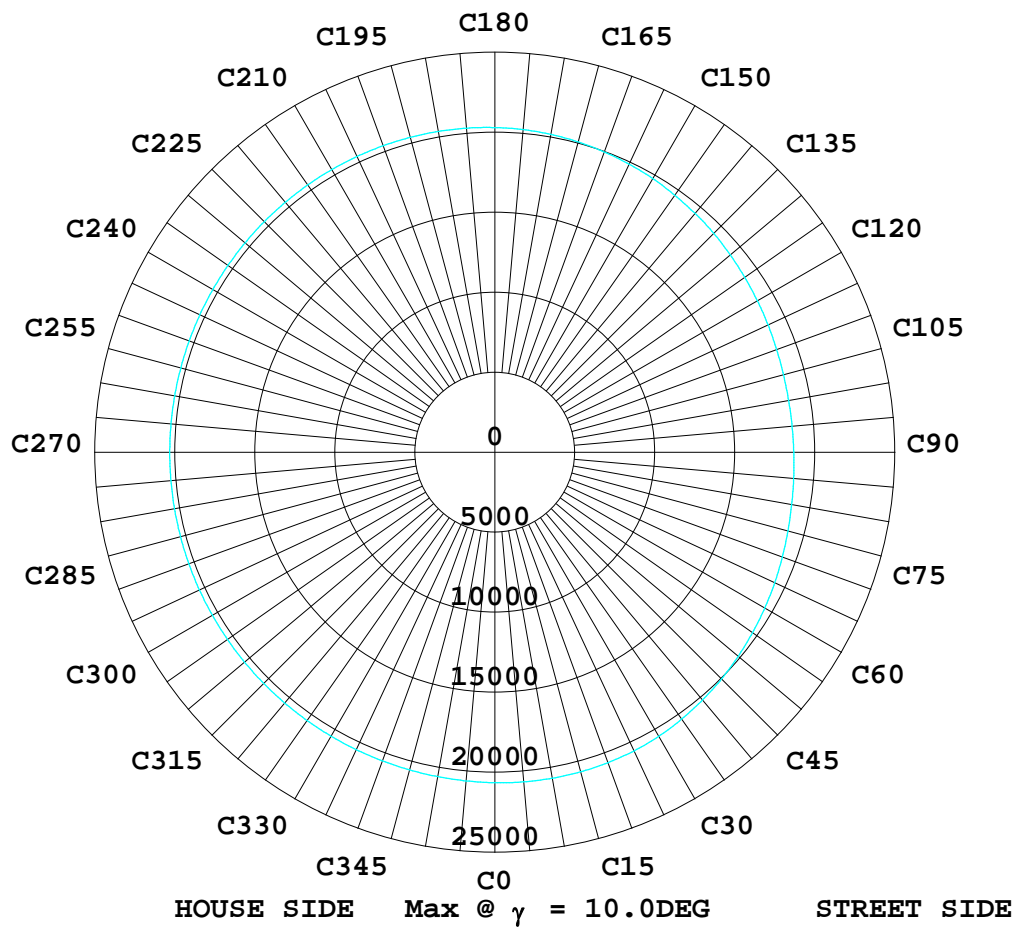
Test Set: 5.0deg/s A-Alpha (TYPE A)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm	Φ t	Φ a													
	1.25	2.32	3.54	4.75	5.75	6.92	7.88	8.53	8.85	8.91	8.41	7.94	7.04	5.74	4.76	3.64	2.45	1.38	100	0.00													
64	1.55	2.93	4.45	5.73	6.82	8.31	9.21	9.78	10.0	10.1	9.61	9.03	8.38	6.92	5.84	4.60	3.08	1.69	118	0.00													
56	1.81	3.43	5.22	6.77	8.94	12.5	14.4	16.5	17.5	17.5	16.2	13.7	12.2	9.10	7.05	5.47	3.62	1.96	174	0.00													
48	2.02	3.86	6.04	8.07	14.5	22.2	30.5	41.5	46.1	46.3	41.6	30.4	22.6	15.3	8.56	6.47	4.15	2.17	353	138													
40	2.24	4.31	6.87	11.3	25.4	39.0	64.1	92.3	103	103	92.5	65.7	41.8	27.3	12.2	7.59	4.74	2.37	706	590													
32	2.50	4.81	7.74	17.5	40.5	67.1	130	197	222	223	200	134	71.8	44.0	19.5	8.78	5.35	2.64	1399	1326													
24	2.82	5.42	8.70	25.8	57.3	101	199	306	346	347	310	205	110	64.0	29.2	9.96	6.02	2.97	2136	2078													
	3.12	6.15	10.3	33.5	71.7	129	236	351	391	392	354	245	142	82.1	38.4	11.6	6.75	3.30	2507	2451													
	3.18	6.50	11.5	37.3	77.7	140	247	359	397	398	364	258	156	89.8	42.7	12.8	7.17	3.46	2610	2556													
	3.05	6.08	10.6	34.6	72.1	131	237	348	389	395	362	252	146	83.3	40.0	12.1	6.86	3.37	2532	2479													
	2.79	5.41	9.02	28.1	58.4	105	199	298	337	346	317	215	118	66.7	32.3	10.4	6.18	3.08	2157	2099													
-24	2.59	4.98	7.85	20.5	42.4	71.7	133	196	221	228	211	145	79.3	47.7	23.4	9.14	5.64	2.84	1453	1382													
-32	2.42	4.58	6.98	13.6	27.9	42.4	70.8	99.9	111	113	104	75.3	46.3	30.9	15.4	8.02	5.13	2.62	781	672													
-40	2.29	4.22	6.21	9.18	17.1	23.6	34.4	47.3	52.4	53.2	49.1	36.8	25.7	18.5	10.1	6.94	4.63	2.44	405	200													
-48	2.13	3.84	5.48	7.21	10.5	12.9	15.3	18.8	20.1	20.3	19.5	16.7	14.3	11.2	7.64	5.99	4.14	2.26	199	0.00													
-56	1.90	3.40	4.80	6.15	7.59	8.95	9.51	10.4	11.0	11.0	10.7	10.0	9.33	7.77	6.49	5.22	3.67	2.03	130	0.00													
-64	1.60	2.83	4.06	5.15	6.58	7.99	8.37	8.92	9.25	9.15	8.99	8.54	8.04	6.69	5.55	4.51	3.10	1.75	111	0.00													
-72	1.26	2.17	3.16	4.15	5.15	6.56	7.45	7.80	8.44	8.41	8.11	7.64	6.77	5.61	4.70	3.59	2.44	1.41	94.9	0.00													
	-72	-64	-56	-48	-40	-32	-24	-16	HORIZONTAL (DEG)																	16	24	32	40	48	56	64	72
Φ t	40.6	77.3	123	280	557	936	1654	2417	2700	2729	2487	1737	1026	623	314	137	85.2	43.8	18230														
Φ a	0.00	0.00	0.00	117	423	807	1540	2310	2593	2622	2381	1623	900	495	161	0.00	0.00	0.00		15973													

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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

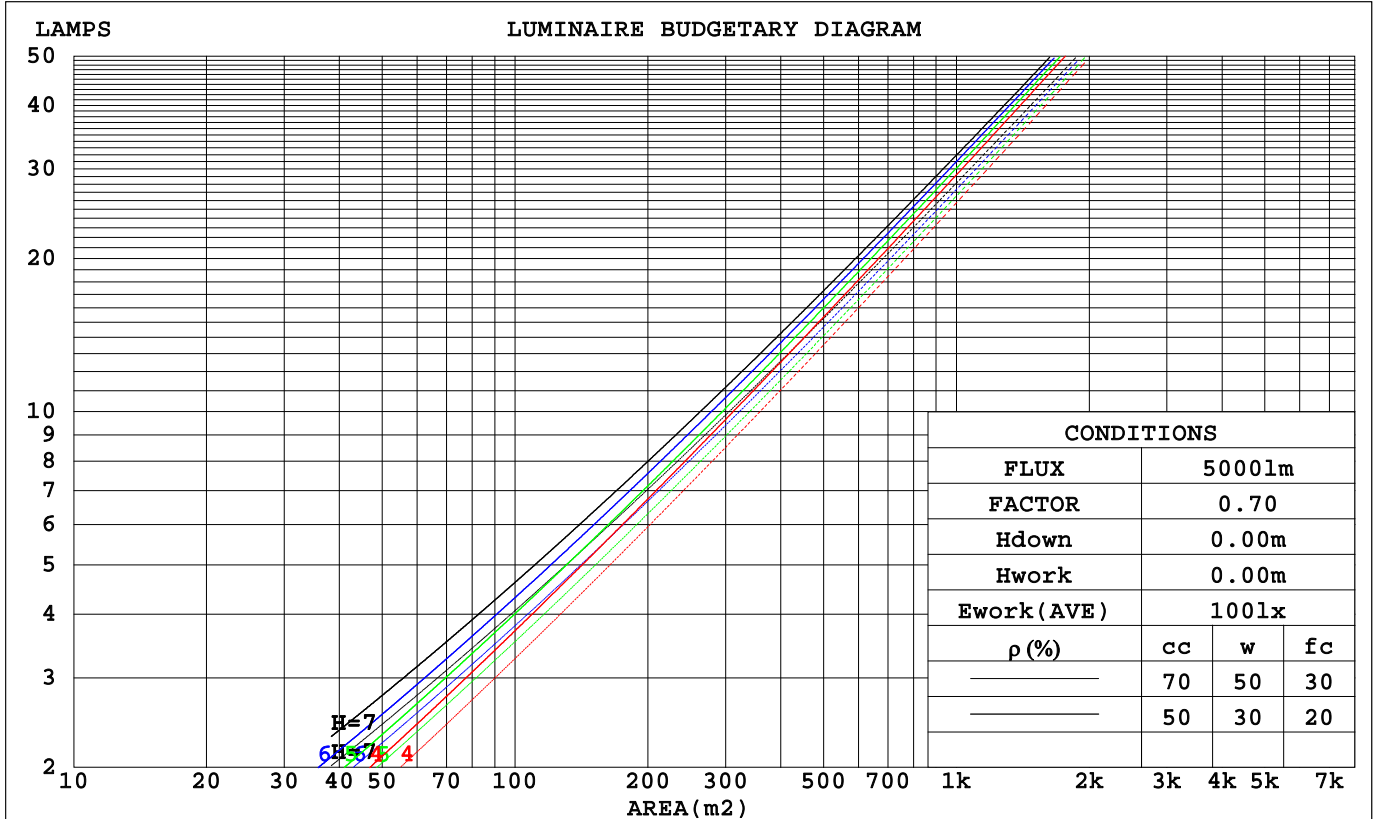
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: FL-B18012401

MANUFACTURER: Feilong lighting				Address:			
NAME: FL-SDD-YY1-3-150W				TYPE:LED tunnel light		WEIGHT:	
SPECIFICATION:				DIMENSION:		SERIAL No.:FL-C18012401	

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	1.09	1.06	1.04	1.07	1.05	1.02	1.03	1.01	.99	.99	.98	.96	.96	.95	.93	.91
2.0	1.01	.96	.92	.99	.95	.91	.96	.92	.89	.93	.90	.87	.90	.88	.86	.84
3.0	.93	.88	.83	.92	.87	.83	.89	.85	.81	.87	.83	.80	.84	.81	.79	.77
4.0	.87	.81	.76	.85	.80	.75	.83	.78	.75	.81	.77	.74	.79	.76	.73	.71
5.0	.81	.74	.70	.80	.74	.69	.78	.73	.69	.76	.72	.68	.75	.71	.68	.66
6.0	.76	.69	.65	.75	.69	.64	.73	.68	.64	.72	.67	.63	.70	.66	.63	.61
7.0	.71	.65	.60	.70	.64	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.57
8.0	.67	.60	.56	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.59	.55	.54
9.0	.63	.57	.53	.63	.57	.53	.62	.56	.52	.61	.56	.52	.60	.55	.52	.51
10.0	.60	.54	.50	.59	.53	.49	.58	.53	.49	.58	.53	.49	.57	.52	.49	.48



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C18012401

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.205	.117	.037	.198	.113	.036	.185	.106	.034	.174	.100	.032	.163	.094	.030	
2.0	.193	.106	.032	.187	.103	.032	.176	.098	.030	.166	.093	.029	.157	.089	.028	
3.0	.181	.096	.029	.176	.094	.028	.167	.090	.027	.158	.087	.027	.150	.083	.026	
4.0	.170	.089	.026	.166	.087	.026	.158	.084	.025	.151	.081	.024	.144	.078	.024	
5.0	.161	.082	.024	.157	.081	.023	.150	.078	.023	.143	.076	.023	.137	.073	.022	
6.0	.152	.076	.022	.149	.075	.022	.143	.073	.021	.137	.071	.021	.131	.069	.021	
7.0	.144	.071	.020	.141	.070	.020	.136	.069	.020	.131	.067	.019	.126	.065	.019	
8.0	.137	.067	.019	.134	.066	.019	.130	.065	.018	.125	.063	.018	.121	.062	.018	
9.0	.130	.063	.018	.128	.062	.018	.124	.061	.017	.120	.060	.017	.116	.059	.017	
10.0	.125	.060	.017	.122	.059	.017	.119	.058	.016	.115	.057	.016	.111	.056	.016	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.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	.136	.114	.095	.093	.079	.066	.054	.046	.039	.017	.015	.013	
3.0	.147	.114	.087	.126	.098	.075	.087	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.070	.118	.086	.061	.081	.060	.043	.047	.035	.025	.015	.011	.008	
5.0	.129	.088	.058	.111	.076	.050	.076	.053	.035	.044	.031	.021	.014	.010	.007	
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.115	.071	.041	.099	.062	.035	.068	.043	.025	.040	.025	.015	.013	.008	.005	
8.0	.109	.065	.035	.094	.056	.030	.065	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.104	.060	.030	.089	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.099	.055	.027	.085	.048	.023	.059	.034	.017	.034	.020	.010	.011	.007	.003	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting						Address:					
NAME: FL-SDD-YY1-3-150W						TYPE:LED tunnel light			WEIGHT:		
SPECIFICATION:						DIMENSION:			SERIAL No.:FL-C18012401		
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	19.8	20.9	20.1	21.0	21.2	17.0	18.1	17.3	18.3	18.4	
3H	20.4	21.4	20.7	21.6	21.8	18.5	19.4	18.7	19.6	19.8	
4H	20.7	21.6	21.0	21.9	22.1	19.0	20.0	19.3	20.2	20.4	
6H	21.1	21.9	21.4	22.2	22.4	19.6	20.4	19.9	20.7	20.9	
8H	21.2	22.0	21.5	22.3	22.6	20.0	20.8	20.3	21.1	21.4	
12H	21.4	22.1	21.7	22.4	22.7	20.2	21.0	20.5	21.2	21.5	
4H 2H	19.9	20.8	20.1	21.0	21.2	17.4	18.4	17.7	18.6	18.8	
3H	20.7	21.5	21.1	21.8	22.1	19.2	20.0	19.5	20.2	20.5	
4H	21.3	22.0	21.6	22.3	22.6	20.0	20.7	20.3	21.0	21.3	
6H	21.8	22.4	22.2	22.8	23.1	20.6	21.3	21.0	21.6	22.0	
8H	22.0	22.6	22.4	23.0	23.3	21.1	21.7	21.5	22.1	22.4	
12H	22.2	22.8	22.6	23.1	23.5	21.4	22.0	21.8	22.3	22.7	
8H 4H	21.5	22.1	21.9	22.4	22.8	20.4	21.0	20.8	21.3	21.7	
6H	22.2	22.7	22.7	23.1	23.5	21.2	21.7	21.7	22.1	22.5	
8H	22.6	23.0	23.0	23.4	23.9	21.8	22.2	22.2	22.6	23.1	
12H	22.9	23.3	23.4	23.8	24.2	22.2	22.6	22.7	23.1	23.5	
12H 4H	21.5	22.1	21.9	22.4	22.8	20.4	21.0	20.8	21.3	21.7	
6H	22.3	22.7	22.8	23.2	23.6	21.4	21.8	21.8	22.2	22.7	
8H	22.7	23.1	23.2	23.6	24.0	22.0	22.4	22.5	22.8	23.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 1.3 / - 0.9					+ 0.5 / - 0.5					
1.5H	+ 2.4 / - 1.3					+ 0.7 / - 0.5					
2.0H	+ 2.7 / - 0.8					+ 0.2 / - 0.4					

CIE Pub.117 Corrected 18230 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.1)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:		
NAME: FL-SDD-YY1-3-150W	TYPE:LED tunnel light	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C18012401	

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	81	74	69	80	73	69	80	73	69	65
0.80	89	82	78	88	82	77	87	81	77	73
1.00	94	88	83	93	87	83	92	87	82	78
1.25	99	93	88	98	92	88	96	91	87	82
1.50	102	96	92	101	96	92	98	94	91	86
2.00	106	101	97	104	100	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	114	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:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C18012401

UNIT: ×10cd

γ (DEG) \ C (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047
5.0	2056	2057	2057	2056	2055	2054	2052	2050	2047	2043	2040	2036	2031	2028	2024
10.0	2065	2068	2069	2068	2065	2059	2050	2036	2021	2005	1985	1966	1948	1931	1913
15.0	1738	1741	1748	1759	1772	1783	1798	1815	1833	1852	1856	1805	1760	1712	1670
20.0	1412	1409	1410	1413	1416	1420	1425	1431	1434	1434	1430	1430	1428	1366	1290
25.0	1085	1073	1064	1056	1051	1048	1045	1040	1028	1010	985	964	940	923	881
30.0	758	734	713	696	686	683	682	677	665	646	621	594	567	550	545
35.0	595	571	539	507	473	440	406	380	388	383	362	354	341	334	332
40.0	432	412	388	364	340	315	290	266	243	219	213	211	207	206	195
45.0	270	255	242	232	220	208	194	180	163	148	135	122	119	111	103
50.0	107	101	102	109	114	117	117	110	107	101	91.3	81.0	72.1	68.4	66.4
55.0	90.3	81.9	77.3	75.0	71.8	68.0	63.5	63.0	68.1	68.0	63.5	58.9	55.3	53.0	52.0
60.0	73.6	66.4	63.3	62.0	60.4	58.1	54.9	52.4	50.9	48.0	48.8	49.3	49.3	47.7	46.5
65.0	56.9	51.3	49.4	49.6	50.0	49.3	47.5	46.2	44.4	42.6	43.2	45.8	46.6	45.1	46.0
70.0	40.2	36.4	35.8	37.7	40.2	41.3	41.0	40.1	38.8	37.9	38.3	39.5	40.7	42.4	41.1
75.0	30.9	28.0	27.6	29.3	31.4	32.6	33.1	33.0	33.4	33.1	32.3	30.9	31.0	31.7	31.4
80.0	21.5	19.7	19.7	21.1	22.6	23.3	23.5	23.4	23.6	23.8	23.1	21.8	20.4	20.3	20.3
85.0	12.2	11.5	11.8	12.9	13.7	14.0	14.0	13.9	13.9	13.9	13.5	13.0	11.9	11.9	12.8
90.0	2.85	3.23	3.92	4.60	4.75	4.75	4.46	4.39	4.33	4.23	4.34	4.31	4.20	4.14	4.05

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C18012401

UNIT: ×10cd

γ (DEG)	C(DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047
5.0	2020	2017	2015	2013	2011	2010	2009	2009	2010	2011	2013	2015	2018	2020	2023
10.0	1897	1884	1875	1868	1865	1865	1868	1875	1885	1895	1907	1921	1936	1948	1961
15.0	1632	1602	1581	1569	1566	1572	1586	1610	1638	1673	1705	1744	1741	1726	1714
20.0	1233	1192	1165	1151	1150	1163	1188	1227	1280	1323	1327	1326	1333	1335	1333
25.0	821	775	746	734	738	756	788	831	861	875	896	914	932	948	958
30.0	520	488	468	461	465	480	506	527	527	540	556	575	598	611	618
35.0	334	321	313	307	305	311	328	324	324	327	337	345	352	354	342
40.0	187	177	163	158	162	176	185	182	193	196	198	198	201	220	241
45.0	98.0	95.9	90.2	87.9	89.2	94.6	95.3	98.0	104	108	109	123	137	150	162
50.0	64.6	63.5	61.7	60.6	61.3	62.5	62.7	63.4	63.6	64.2	72.2	82.6	93.0	99.6	103
55.0	51.1	50.8	50.0	49.5	50.4	50.8	50.2	50.1	50.1	52.5	55.2	59.0	63.9	64.8	58.8
60.0	47.1	46.6	46.5	47.2	47.4	47.0	46.7	45.3	46.3	48.3	49.2	48.4	46.9	49.0	49.5
65.0	46.9	46.4	46.9	47.0	47.6	46.0	45.4	45.5	44.7	46.1	46.4	43.1	41.0	42.0	43.1
70.0	40.7	41.2	41.1	41.4	41.4	39.5	38.3	39.8	42.3	39.7	37.8	36.2	35.1	35.4	36.5
75.0	28.3	26.8	25.0	24.9	24.9	24.9	26.8	28.1	30.3	28.3	27.8	27.8	29.0	29.1	29.3
80.0	18.0	20.6	23.0	26.9	24.1	21.2	18.0	19.0	18.5	16.5	17.9	19.2	20.2	20.3	20.5
85.0	14.2	13.5	10.4	7.91	10.2	11.7	12.2	12.2	10.9	9.76	10.3	11.1	11.5	11.6	11.7
90.0	3.90	3.48	2.44	1.76	1.54	2.08	2.72	3.13	3.15	3.15	3.17	3.19	3.14	3.07	3.08

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C18012401

UNIT: ×10cd

γ (DEG) \ C (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047
5.0	2026	2029	2031	2033	2036	2037	2039	2040	2041	2042	2042	2043	2043	2044	2044
10.0	1976	1987	1998	2009	2018	2025	2030	2034	2037	2038	2040	2040	2040	2040	2039
15.0	1702	1691	1684	1679	1678	1680	1686	1696	1710	1731	1756	1788	1826	1870	1919
20.0	1330	1328	1326	1325	1327	1332	1342	1355	1373	1397	1427	1464	1508	1559	1618
25.0	962	964	966	968	974	984	998	1015	1035	1060	1090	1127	1172	1223	1278
30.0	619	615	612	614	623	636	654	674	695	717	743	775	815	860	910
35.0	364	391	417	444	469	493	514	528	535	535	530	519	504	495	550
40.0	260	280	300	319	337	355	375	385	391	389	386	378	367	355	340
45.0	176	185	194	202	210	219	236	242	247	246	249	249	247	242	232
50.0	104	103	98.5	93.5	88.2	85.2	96.1	98.4	102	107	120	132	142	147	147
55.0	57.2	59.6	61.8	64.3	67.1	70.0	81.2	81.3	75.8	70.5	69.4	67.9	66.4	69.9	80.4
60.0	50.1	51.9	53.2	54.1	55.6	57.7	66.3	67.0	61.4	58.2	57.7	57.6	56.9	54.9	53.1
65.0	43.5	44.8	45.3	44.7	44.3	45.6	51.4	52.5	47.7	46.0	46.8	48.0	48.2	47.1	46.4
70.0	37.4	38.1	37.8	35.6	33.2	33.6	36.5	38.0	34.6	34.1	36.4	39.1	40.3	40.0	39.8
75.0	29.7	30.0	29.5	27.5	25.5	25.8	28.0	29.0	26.4	26.0	28.0	30.5	31.9	32.5	33.1
80.0	20.8	21.0	20.7	19.4	18.0	18.1	19.5	20.1	18.5	18.4	19.9	21.7	22.7	23.1	23.6
85.0	11.9	12.0	11.8	11.2	10.4	10.3	10.9	11.3	10.6	10.8	11.7	12.8	13.4	13.7	14.3
90.0	3.13	3.17	3.02	2.94	2.86	2.65	2.46	2.54	2.84	3.18	3.46	3.82	4.20	4.41	4.92

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C18012401

UNIT: ×10cd

γ (DEG) \ C (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047
5.0	2044	2044	2044	2044	2044	2044	2044	2044	2044	2045	2045	2045	2045	2046	2046
10.0	2039	2038	2037	2036	2035	2034	2033	2032	2032	2032	2033	2034	2035	2036	2038
15.0	1975	2021	2016	2010	2002	1995	1988	1984	1981	1981	1982	1985	1991	1998	2006
20.0	1681	1749	1818	1892	1885	1854	1830	1813	1803	1801	1807	1819	1839	1866	1898
25.0	1335	1392	1450	1502	1555	1559	1506	1460	1432	1424	1436	1468	1519	1577	1578
30.0	959	1001	1035	1052	1060	1074	1034	980	948	938	949	984	1044	1091	1078
35.0	599	631	642	643	634	631	634	592	567	558	566	590	630	627	636
40.0	323	345	357	364	366	370	378	375	357	351	359	379	382	373	369
45.0	222	205	197	210	217	222	223	224	207	202	207	218	226	223	219
50.0	142	138	131	123	124	120	114	110	106	104	106	111	112	117	118
55.0	88.1	89.9	86.7	80.5	72.8	70.4	70.0	70.5	69.3	67.5	69.3	69.9	68.8	67.9	68.8
60.0	52.9	56.9	58.4	56.8	54.0	51.8	51.7	51.5	51.2	50.4	51.5	51.3	50.5	49.9	52.6
65.0	45.7	43.9	44.6	46.6	46.9	45.5	46.2	45.9	45.3	45.9	46.4	45.9	45.3	44.9	47.1
70.0	39.1	38.6	39.5	41.4	43.0	42.7	44.1	44.6	45.3	45.9	45.7	43.6	43.3	42.9	44.3
75.0	33.4	33.5	33.8	33.5	34.7	36.9	37.2	38.7	39.4	40.2	38.8	36.1	36.1	37.2	34.1
80.0	24.4	25.3	26.0	24.6	24.6	25.0	26.6	24.8	24.8	23.6	23.5	23.6	22.6	23.4	22.0
85.0	14.8	15.4	16.0	15.7	15.6	14.9	15.3	16.5	18.3	21.0	18.7	16.3	14.0	12.8	12.8
90.0	5.16	5.58	6.38	6.98	7.82	8.44	8.41	9.28	7.42	5.42	3.67	4.41	4.36	5.15	5.36

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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-B18012401

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-YY1-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C18012401

UNIT: ×10cd

γ (DEG)	C(DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047	2047
5.0	2047	2047	2048	2049	2050	2050	2051	2052	2053	2054	2055	2056
10.0	2039	2040	2042	2044	2045	2047	2049	2051	2053	2056	2059	2062
15.0	2014	2021	2027	1985	1933	1887	1847	1813	1786	1764	1750	1741
20.0	1905	1833	1765	1702	1644	1592	1547	1509	1477	1452	1433	1419
25.0	1526	1475	1419	1366	1313	1265	1223	1188	1160	1136	1116	1099
30.0	1072	1058	1029	992	949	908	875	849	829	814	799	780
35.0	657	662	654	628	586	542	559	585	604	616	619	611
40.0	369	373	368	347	367	386	404	423	438	446	451	444
45.0	213	204	219	244	249	261	270	277	282	282	283	277
50.0	120	132	143	151	159	158	155	147	137	124	116	110
55.0	76.7	84.9	91.3	91.8	86.0	74.7	72.7	76.3	79.2	81.1	85.2	90.0
60.0	55.7	57.8	57.0	54.5	55.9	58.0	61.2	63.6	65.0	65.9	68.3	73.3
65.0	47.5	45.7	44.8	46.4	48.2	49.2	51.1	52.0	51.8	51.0	52.0	56.3
70.0	42.5	39.9	38.8	39.3	40.7	41.5	42.1	41.3	39.2	36.4	36.2	39.1
75.0	32.9	33.2	33.0	33.3	33.4	33.5	33.3	32.0	30.2	28.0	27.7	29.8
80.0	22.6	24.4	24.6	24.2	23.9	24.0	23.9	23.1	21.9	20.3	19.7	20.8
85.0	13.8	14.6	14.9	14.6	14.5	14.5	14.5	14.1	13.6	12.5	11.7	11.9
90.0	5.48	5.53	5.30	5.09	5.26	5.08	5.13	5.10	5.16	4.80	3.77	3.08

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-01-24

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