

GONIOPHOTOMETERS SYSTEM TEST REPORT

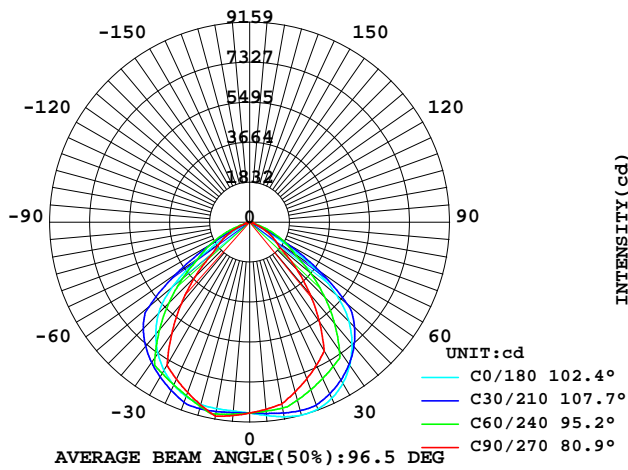
STREETLIGHT PHOTOMETRIC TEST REPORT

Report number: FL-B180515-01

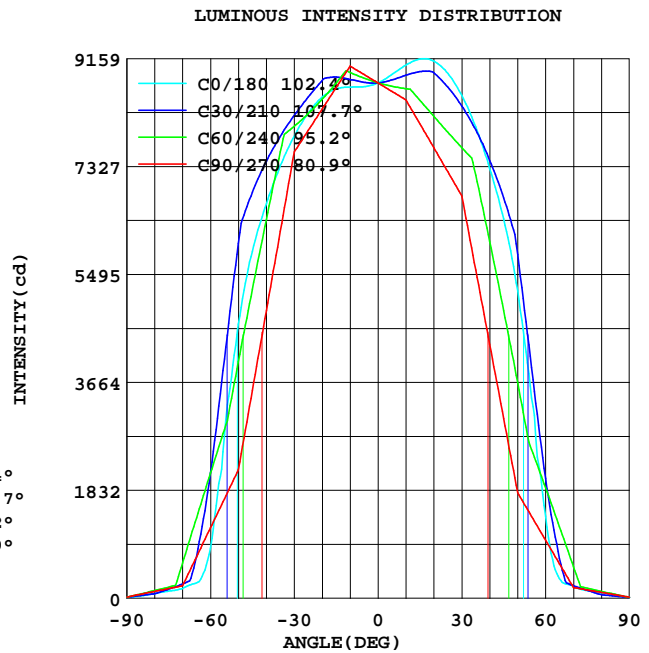
MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01

MODEL:	Philips 3030	I _{max} (cd):	9378	Effective Flux(lm):	19109.7
NOMINAL POWER(W):	150	MAXIMUM(C, γ):	150, 19.5	EEI	0.103
RATED VOLTAGE(V):	222	EFFICIENCY(%):	100.0	Voltage(V)	221.1
NOMINAL FLUX(lm):	19677.7	η street_up(%):	0.0	Current(A)	0.658
TEST FLUX(lm):	19678	η street_down(%):	51.7	Power(W)	144.1
LAMPS QUANTITY:	1	η house_up(%):	0.0	Power Factor	0.990
TOTAL FLUX(lm):	19678	η house_down(%):	48.3	EFFICIENCY(lm/W)	136.5

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Test System:HOPPO HPG1900
Temperature:25.3DEG
Operators:hu
Test Date:2018-05-15

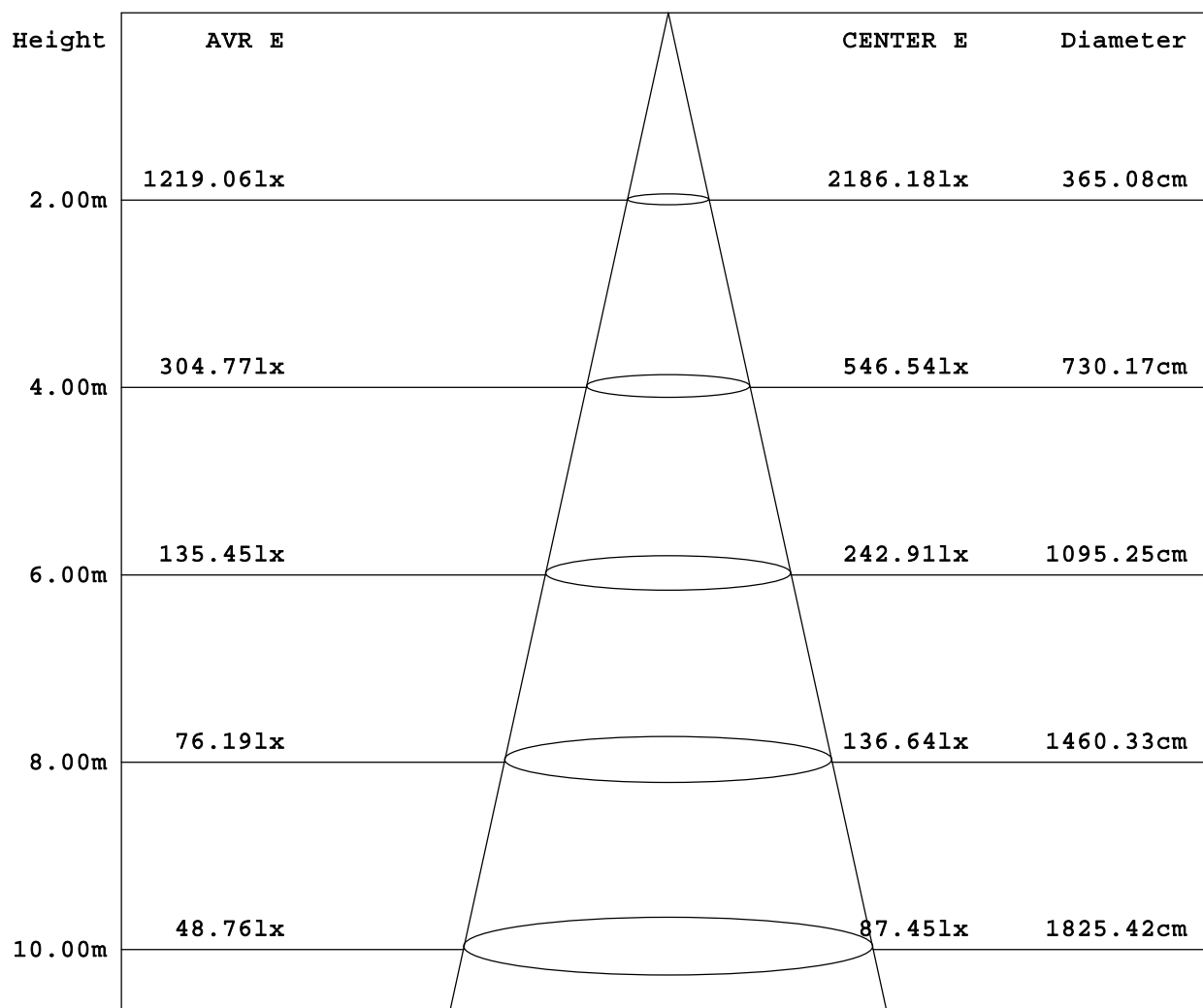
Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01



Angle:84.8deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	8683	8792	8888	8942	8888	8743	8601	8594	0- 5	209.3	209.3
10.0	8675	8866	9031	9147	9050	8765	8458	8487	5- 10	628.9	838.2
15.0	8645	8879	8667	9262	9151	8752	8051	8373	10- 15	1040	1879
20.0	8507	8648	8304	9063	9116	8563	7644	8130	15- 20	1419	3298
25.0	8233	8423	7940	8850	8905	8351	7236	7884	20- 25	1757	5055
30.0	7840	8212	7576	8618	8535	8112	6829	7641	25- 30	2047	7102
35.0	7341	8009	6227	8381	8002	7850	5570	7402	30- 35	2255	9358
40.0	6693	7652	4878	7972	7291	7418	4311	7023	35- 40	2317	11674
45.0	5888	6393	3530	6620	6440	6155	3051	5854	40- 45	2234	13909
50.0	4655	5024	2181	5142	5220	4759	1792	4581	45- 50	1992	15901
55.0	2777	3489	1689	3546	3396	3221	1390	3180	50- 55	1583	17484
60.0	850.8	1991	1197	1969	1394	1671	987.2	1755	55- 60	1070	18554
65.0	261.6	1202	705.0	1249	332.1	980.9	585.0	1063	60- 65	582.3	19137
70.0	168.1	601.7	213.0	660.7	201.5	479.1	182.6	537.0	65- 70	283.9	19421
75.0	122.2	164.6	165.1	197.4	132.0	131.3	141.8	162.4	70- 75	123.3	19544
80.0	81.25	86.32	117.2	105.9	95.80	69.61	101.0	89.14	75- 80	69.72	19614
85.0	40.54	50.78	69.37	60.45	51.20	41.12	60.22	50.58	80- 85	43.39	19657
90.0	16.25	17.70	21.50	17.70	21.09	14.50	19.40	14.70	85- 90	20.42	19678
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:hu
 Test Date:2018-05-15

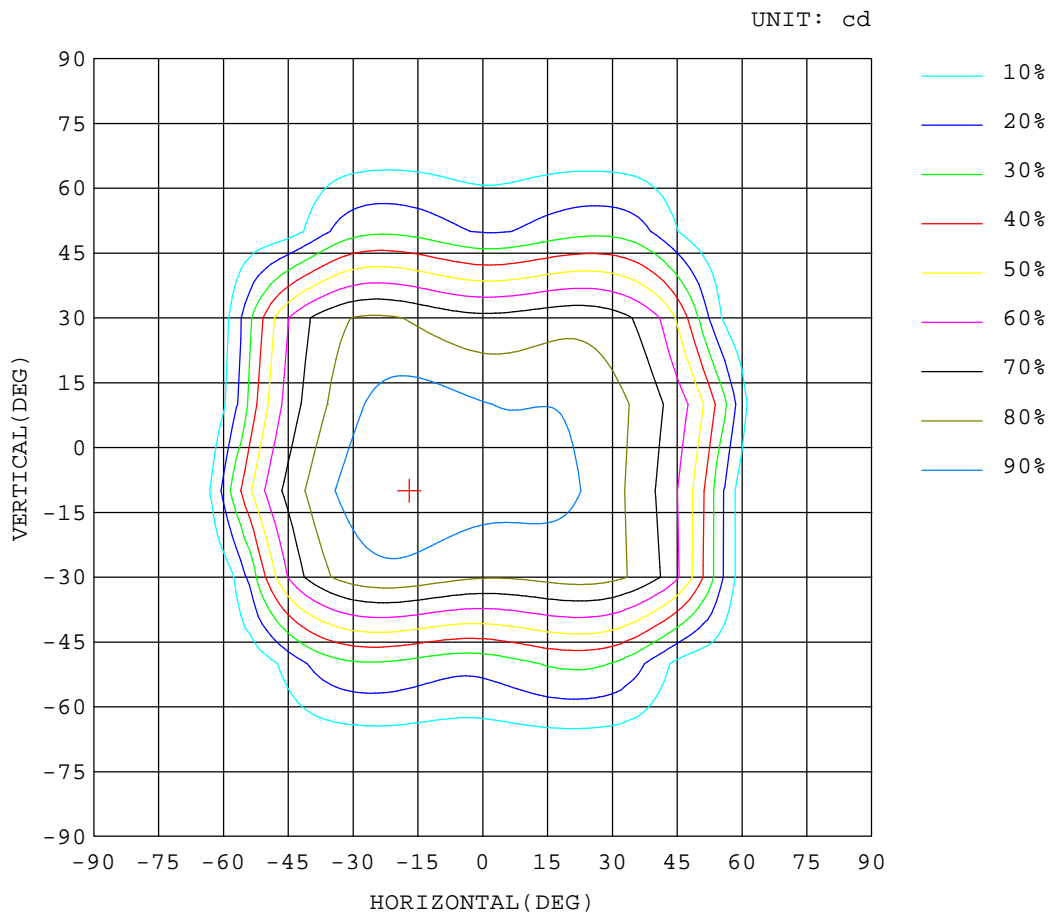
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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

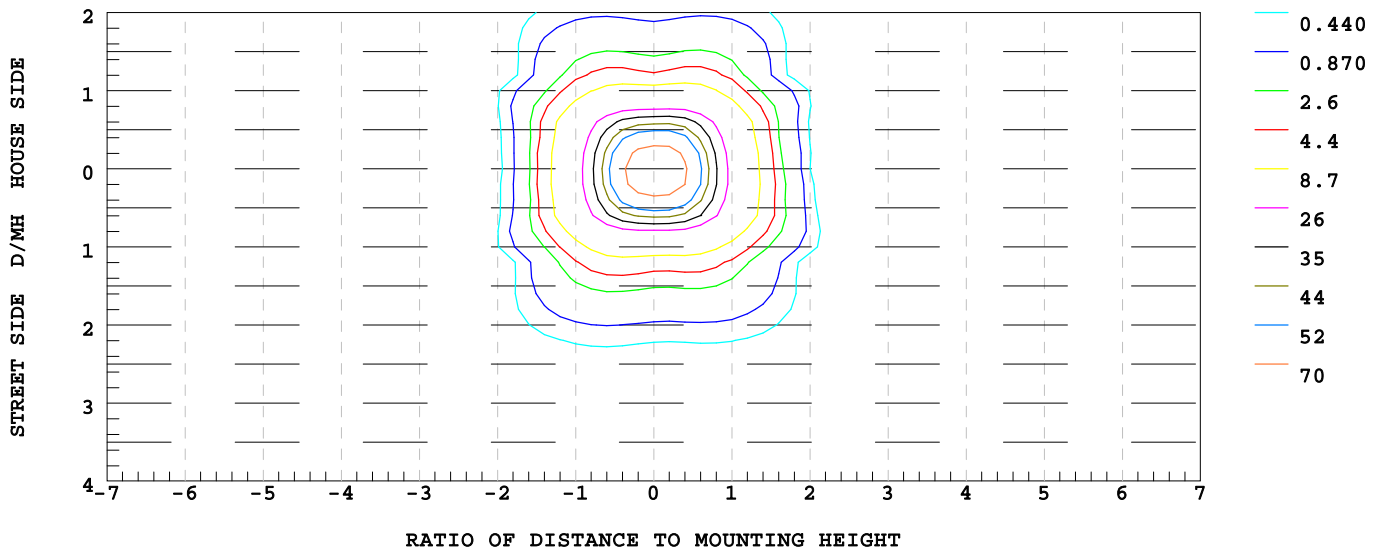
GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01

ILLUMINANCE AT MH=10 m,Enadir = 87.45 lx



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

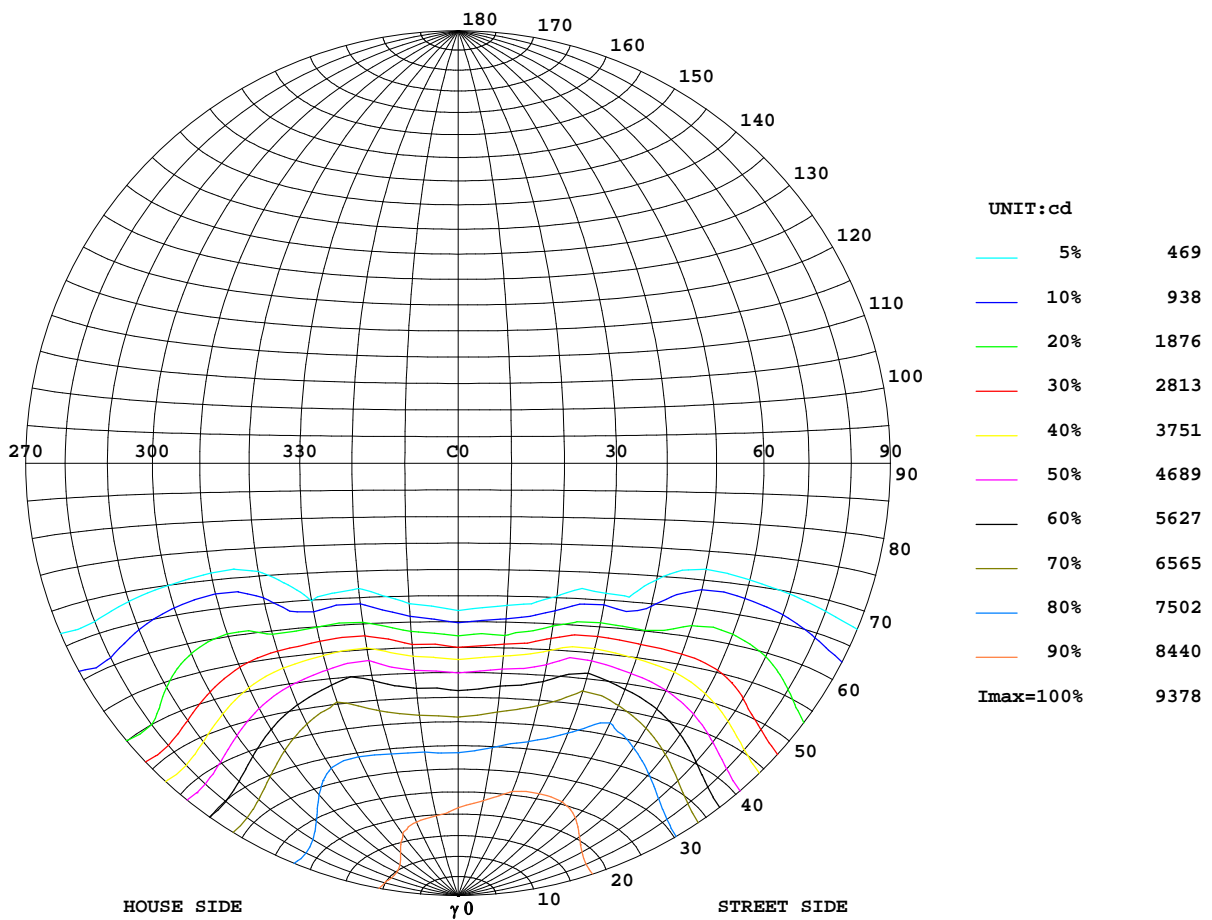
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

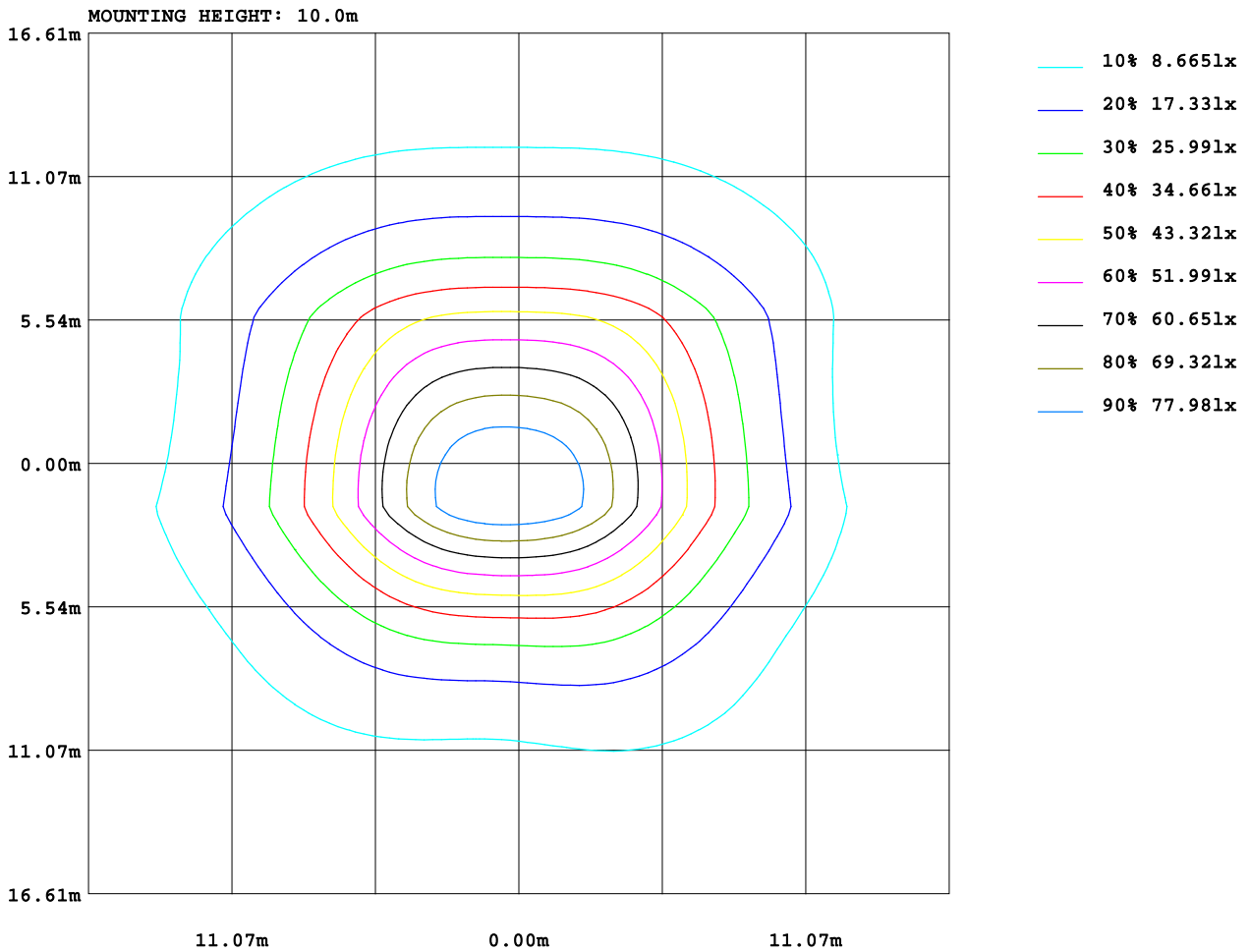
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

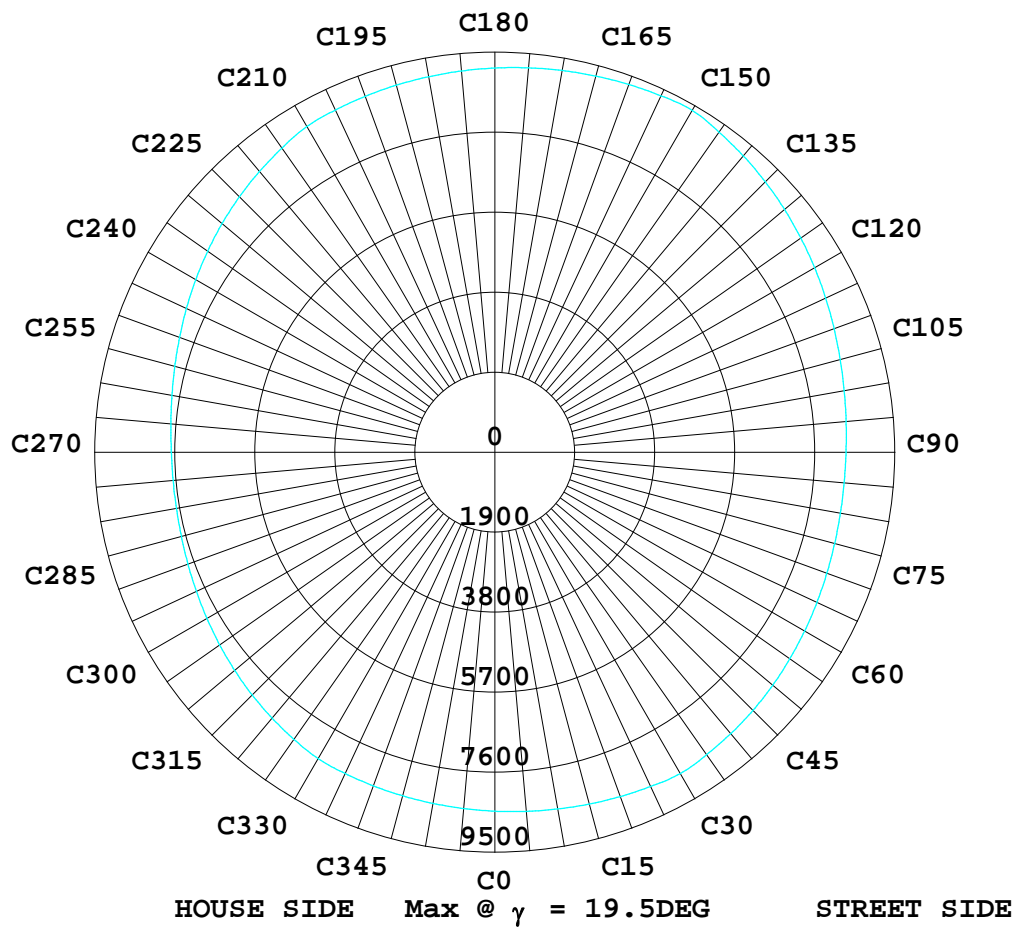
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90		
90	0.03	0.10	0.17	0.23	0.29	0.36	0.44	0.54	0.58	0.56	0.53	0.43	0.36	0.30	0.24	0.18	0.12	0.04	5.49	0.00	
80	0.03	0.09	0.15	0.20	0.26	0.32	0.38	0.48	0.51	0.50	0.46	0.38	0.32	0.26	0.21	0.16	0.10	0.03	4.85	0.00	
70	0.06	0.33	0.84	1.51	2.64	5.16	7.58	8.50	7.09	7.60	8.89	7.77	5.32	2.86	1.72	0.97	0.39	0.06	69.3	0.00	
60	0.07	0.42	1.10	2.01	3.57	7.07	10.4	11.6	9.68	10.4	12.2	10.7	7.30	3.88	2.30	1.28	0.50	0.07	94.7	0.00	
50	0.09	0.65	2.26	4.91	15.5	57.8	88.2	88.1	73.3	68.7	80.5	85.9	68.7	26.8	5.98	2.79	0.77	0.12	672	640	
40	0.11	0.80	2.88	6.38	20.8	79.3	121	121	100	93.7	110	118	94.4	36.7	7.81	3.57	0.94	0.15	918	885	
30	0.18	1.09	4.56	49.5	146	211	244	251	247	246	245	230	188	116	25.7	3.28	0.87	0.12	2211	2195	
20	0.21	1.30	5.60	67.6	199	276	313	323	322	322	317	293	241	154	33.9	3.63	0.95	0.12	2875	2860	
10	0.15	1.03	4.39	48.6	130	193	244	273	276	267	257	232	190	139	67.8	6.96	1.10	0.17	2331	2320	
0	0.15	1.05	4.54	51.8	134	199	258	297	302	291	276	245	201	155	86.3	8.50	1.21	0.19	2512	2501	
-10	0.21	1.27	11.6	79.3	152	212	256	278	280	275	262	229	180	118	35.4	2.87	0.93	0.12	2373	2362	
-20	0.24	1.36	14.5	92.2	162	221	264	284	287	283	267	230	178	113	26.3	1.60	0.88	0.10	2427	2417	
-30	0.14	0.93	2.13	24.7	114	181	218	227	223	220	222	215	183	123	39.6	3.92	0.92	0.15	1999	1986	
-40	0.11	0.81	1.03	10.6	101	171	204	208	201	200	207	210	185	124	39.4	4.08	0.91	0.15	1867	1856	
-50	0.12	0.73	2.17	1.74	8.80	28.4	37.2	31.5	26.1	34.4	48.2	47.3	24.5	3.01	0.86	1.63	0.57	0.08	298	247	
-60	0.11	0.63	1.61	0.06	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.32	0.05	0.00	0.00	0.77	0.43	0.06	6.13	0.00	
-70	0.05	0.25	0.44	0.50	0.31	0.44	0.68	0.79	0.71	0.68	0.73	0.60	0.45	0.56	0.77	0.61	0.32	0.07	8.95	0.00	
-80	0.02	0.05	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	0.13	0.19	0.06	0.44	0.00	
-90	0.02	0.05	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	0.13	0.19	0.06	0.44	0.00	
Φ t	2.08	12.9	60.1	442	1190	1843	2267	2405	2357	2321	2316	2155	1747	1117	375	47.0	12.1	1.87	19678		
Φ a	0.00	0.00	19.8	420	1163	1825	2243	2378	2333	2297	2287	2130	1729	1099	338	7.01	0.00	0.00		19110	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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

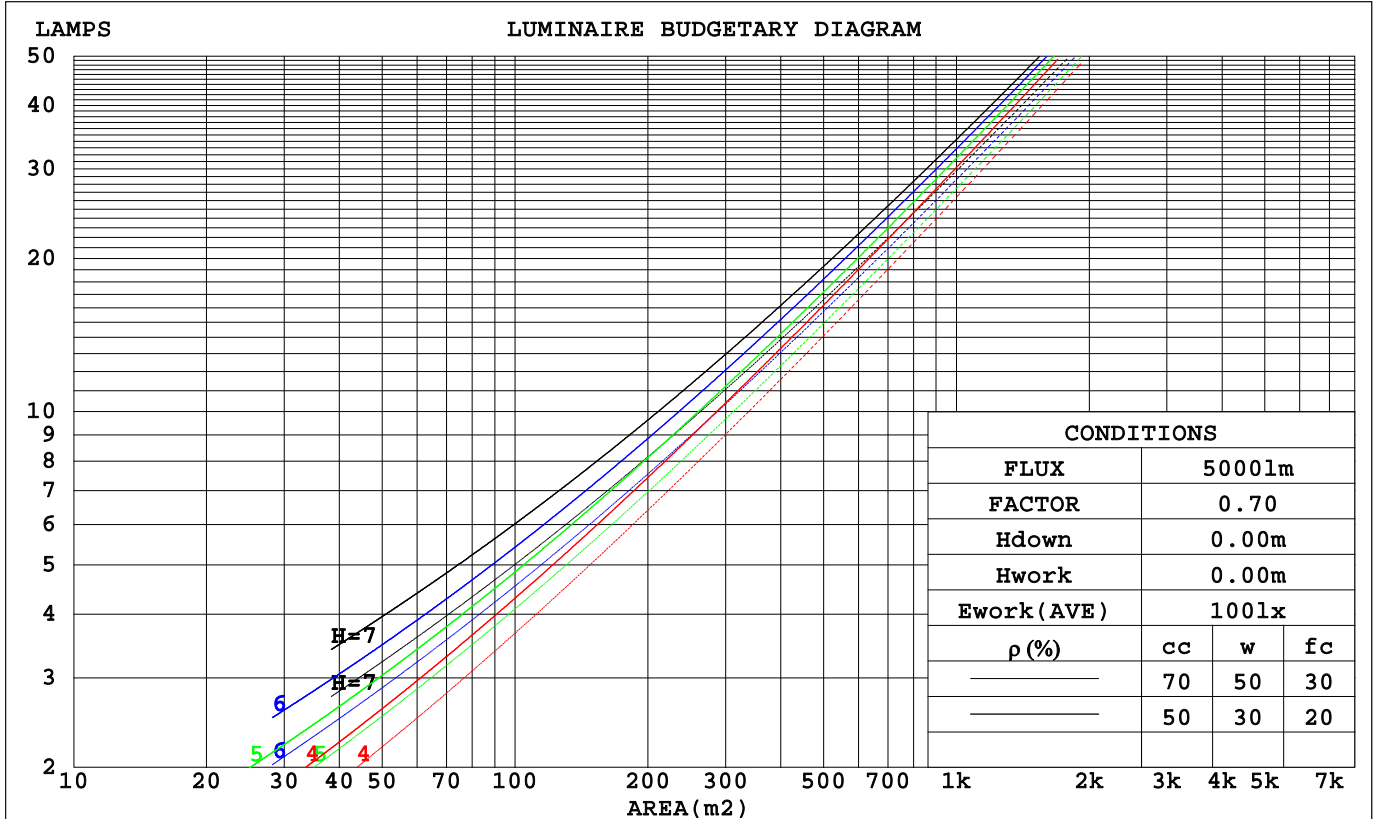
GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number: FL-B180515-01

MANUFACTURER: Feilong lighting				Address:			
NAME: FL-SDD-2C-3-150W				TYPE:LED tunnel light		WEIGHT:	
SPECIFICATION:				DIMENSION:		SERIAL No.:FL-C180515-01	

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	1.08	1.04	1.01	1.05	1.02	.90	1.01	.99	.97	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.91	.86	.95	.90	.85	.91	.87	.83	.88	.85	.82	.85	.82	.80	.78
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.64	.74	.68	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.57	.69	.62	.57	.67	.61	.56	.66	.60	.55	.64	.59	.55	.53
6.0	.64	.56	.50	.63	.56	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.58	.51	.45	.58	.50	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.42
8.0	.54	.46	.40	.53	.45	.40	.52	.45	.40	.50	.44	.40	.49	.44	.40	.38
9.0	.49	.42	.37	.49	.41	.37	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
10.0	.46	.38	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.33	.31



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01

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	.238	.136	.043	.231	.132	.042	.219	.125	.040	.207	.119	.038	.196	.113	.037	
2.0	.233	.128	.039	.227	.125	.039	.216	.120	.037	.206	.116	.036	.196	.111	.035	
3.0	.223	.119	.036	.218	.117	.035	.208	.113	.034	.199	.109	.033	.191	.106	.033	
4.0	.212	.110	.032	.207	.108	.032	.199	.105	.031	.191	.102	.031	.183	.099	.030	
5.0	.200	.102	.030	.196	.101	.029	.189	.098	.029	.181	.096	.028	.175	.093	.028	
6.0	.189	.095	.027	.186	.094	.027	.179	.092	.027	.172	.090	.026	.166	.088	.026	
7.0	.179	.088	.025	.176	.087	.025	.169	.086	.025	.164	.084	.024	.158	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.161	.080	.023	.156	.079	.023	.151	.077	.023	
9.0	.160	.077	.022	.157	.077	.022	.153	.075	.021	.148	.074	.021	.143	.073	.021	
10.0	.152	.073	.020	.149	.072	.020	.145	.071	.020	.141	.070	.020	.137	.069	.020	

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	.175	.157	.140	.150	.135	.121	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.164	.132	.105	.141	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.155	.114	.081	.133	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.148	.100	.064	.127	.087	.055	.087	.060	.039	.050	.035	.023	.016	.012	.008	
5.0	.141	.089	.052	.121	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
6.0	.134	.081	.043	.115	.070	.037	.079	.049	.026	.046	.029	.016	.015	.009	.005	
7.0	.128	.074	.036	.110	.064	.031	.076	.045	.022	.044	.026	.013	.014	.009	.004	
8.0	.122	.068	.031	.105	.059	.027	.073	.041	.019	.042	.024	.011	.014	.008	.004	
9.0	.117	.063	.027	.101	.055	.023	.070	.038	.017	.041	.023	.010	.013	.007	.003	
10.0	.112	.059	.024	.096	.051	.021	.067	.036	.015	.039	.021	.009	.013	.007	.003	

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting					Address:					
NAME: FL-SDD-2C-3-150W					TYPE:LED tunnel light			WEIGHT:		
SPECIFICATION:					DIMENSION:			SERIAL No.:FL-C180515-01		
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	26.8	28.2	27.1	28.3	28.5	25.3	26.7	25.6	26.9	27.1
3H	26.7	27.9	27.0	28.1	28.3	25.4	26.6	25.7	26.8	27.1
4H	26.6	27.7	26.9	28.0	28.2	25.3	26.5	25.6	26.7	27.0
6H	26.5	27.6	26.8	27.8	28.1	25.3	26.4	25.6	26.6	26.9
8H	26.4	27.5	26.8	27.7	28.0	25.3	26.3	25.6	26.6	26.8
12H	26.4	27.4	26.7	27.7	28.0	25.2	26.2	25.6	26.5	26.8
4H 2H	26.9	28.0	27.2	28.2	28.5	25.7	26.9	26.0	27.1	27.3
3H	26.7	27.7	27.1	28.0	28.3	25.9	26.8	26.2	27.1	27.4
4H	26.7	27.5	27.0	27.9	28.2	25.8	26.7	26.2	27.0	27.3
6H	26.6	27.4	27.0	27.7	28.1	25.8	26.6	26.2	26.9	27.3
8H	26.6	27.3	27.0	27.6	28.0	25.8	26.5	26.2	26.9	27.2
12H	26.5	27.2	26.9	27.5	27.9	25.8	26.4	26.2	26.8	27.2
8H 4H	26.6	27.3	27.0	27.6	28.0	25.7	26.4	26.1	26.8	27.2
6H	26.5	27.1	26.9	27.5	27.9	25.7	26.3	26.2	26.7	27.1
8H	26.5	27.0	26.9	27.4	27.9	25.7	26.3	26.2	26.7	27.1
12H	26.4	26.9	26.9	27.3	27.8	25.8	26.2	26.2	26.6	27.1
12H 4H	26.5	27.2	26.9	27.6	27.9	25.7	26.3	26.1	26.7	27.1
6H	26.5	27.0	26.9	27.4	27.8	25.7	26.2	26.1	26.6	27.1
8H	26.4	26.9	26.9	27.3	27.8	25.7	26.1	26.2	26.6	27.1
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 2.0					+ 1.3 / - 1.6				
1.5H	+ 0.9 / - 1.5					+ 1.2 / - 3.2				
2.0H	+ 2.4 / - 6.3					+ 1.5 / - 3.3				

CIE Pub.117 Corrected 19678 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.4)

Test System:HOPPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE:LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:FL-C180515-01

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	65	55	49	65	55	49	64	54	49	43
0.80	76	66	60	75	66	60	73	65	59	53
1.00	85	75	69	83	75	69	81	76	69	63
1.25	91	83	77	90	82	77	88	81	76	70
1.50	96	88	83	94	87	82	92	85	81	75
2.00	101	95	90	100	94	89	97	92	88	81
2.50	104	98	94	102	97	93	99	94	91	84
3.00	107	102	97	105	100	96	101	97	94	87
4.00	110	105	102	107	104	100	103	100	98	90
5.00	111	108	104	109	106	103	105	102	100	91
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180515-01

UNIT: cd

γ (DEG)	C (DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745
5.0	8683	8695	8707	8719	8732	8744	8756	8768	8780	8792	8804	8816	8827	8838	8849
10.0	8675	8697	8719	8741	8763	8785	8806	8826	8847	8866	8885	8903	8922	8940	8958
15.0	8645	8675	8706	8740	8775	8810	8845	8878	8910	8879	8830	8784	8743	8706	8678
20.0	8507	8543	8586	8634	8688	8747	8786	8745	8698	8648	8590	8529	8469	8412	8362
25.0	8233	8276	8332	8403	8481	8515	8506	8491	8464	8423	8370	8303	8225	8145	8069
30.0	7840	7887	7957	8052	8128	8158	8196	8219	8227	8212	8170	8100	8010	7904	7798
35.0	7341	7391	7473	7584	7658	7746	7837	7929	7986	8009	7990	7928	7574	7215	6893
40.0	6693	6753	6867	6975	7099	7247	7416	7578	7717	7652	7229	6822	6427	6055	5695
45.0	5888	5962	6119	6212	6381	6623	6888	7160	6783	6393	6010	5626	5243	4865	4491
50.0	4655	4770	4923	5022	5314	5720	6023	5647	5311	5024	4708	4373	4018	3655	3283
55.0	2777	2971	3088	3246	3689	4137	4060	3876	3681	3489	3330	3065	2867	2674	2463
60.0	851	1003	1130	1265	1697	2106	2129	2017	1900	1991	2217	2224	2124	1973	1799
65.0	262	279	317	358	490	736	719	526	873	1202	1401	1447	1365	1247	1119
70.0	168	181	192	219	249	260	244	273	419	602	706	689	602	505	420
75.0	122	124	118	135	164	169	155	148	161	165	153	174	190	203	212
80.0	81.2	79.3	86.2	87.5	87.9	87.8	78.3	77.8	77.8	86.3	105	120	131	141	148
85.0	40.5	44.5	44.8	43.9	45.4	45.9	47.4	47.1	47.3	50.7	60.4	68.7	74.9	80.3	85.0
90.0	16.2	16.4	16.5	16.7	16.9	16.9	17.0	17.1	17.2	17.7	18.1	18.7	19.5	20.5	21.6

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180515-01

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745
5.0	8860	8870	8880	8888	8898	8907	8916	8923	8929	8934	8937	8940	8942	8943	8941
10.0	8977	8996	9014	9031	9052	9071	9087	9103	9118	9128	9138	9144	9147	9149	9146
15.0	8658	8650	8653	8667	8699	8740	8794	8855	8927	9005	9088	9174	9262	9328	9318
20.0	8323	8299	8292	8304	8338	8390	8459	8544	8641	8743	8849	8957	9063	9166	9265
25.0	8005	7959	7936	7940	7975	8038	8127	8234	8355	8485	8613	8737	8850	8948	9032
30.0	7703	7628	7584	7576	7610	7682	7792	7926	8079	8233	8383	8514	8618	8697	8755
35.0	6622	6413	6276	6227	6274	6417	6645	6950	7320	7738	8163	8292	8381	8427	8437
40.0	5383	5131	4955	4878	4916	5069	5321	5654	6050	6491	6961	7455	7972	8126	8071
45.0	4147	3853	3638	3530	3556	3715	3986	4340	4750	5193	5655	6128	6620	7132	7641
50.0	2911	2583	2324	2181	2193	2356	2640	3004	3418	3845	4278	4707	5142	5586	6066
55.0	2205	1980	1797	1689	1687	1786	1962	2180	2401	2604	2834	3199	3546	3890	4257
60.0	1604	1424	1280	1197	1199	1282	1428	1606	1787	1948	2057	2079	1969	2055	2344
65.0	979	856	759	705	709	771	877	1007	1146	1271	1356	1369	1249	991	680
70.0	338	277	233	213	218	252	312	390	488	586	671	714	661	510	337
75.0	204	192	176	165	164	175	192	204	214	209	197	181	197	198	162
80.0	144	136	125	117	117	125	136	144	150	145	136	124	106	86.7	79.9
85.0	83.6	79.5	73.6	69.3	69.1	73.8	79.8	83.0	85.5	82.2	76.8	70.0	60.4	50.7	48.0
90.0	22.7	22.7	22.5	21.5	21.5	22.7	23.0	22.3	21.2	20.1	19.0	18.0	17.7	17.2	16.7

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180515-01

UNIT: cd

γ (DEG)	C(DEG)														
	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745
5.0	8938	8933	8926	8918	8909	8899	8888	8875	8861	8846	8831	8815	8798	8780	8762
10.0	9140	9130	9120	9106	9090	9071	9050	9026	9000	8972	8942	8910	8877	8842	8805
15.0	9303	9283	9262	9236	9209	9181	9151	9119	9087	9053	9017	8978	8937	8893	8844
20.0	9357	9341	9292	9244	9198	9155	9116	9080	9047	9017	8989	8962	8915	8803	8685
25.0	9104	9169	9168	9092	9018	8956	8905	8866	8840	8825	8814	8764	8675	8579	8471
30.0	8793	8818	8842	8783	8680	8598	8535	8493	8471	8458	8404	8355	8294	8215	
35.0	8419	8384	8351	8319	8186	8077	8002	7960	7952	7973	7954	7946	7949	7942	7915
40.0	7971	7859	7748	7651	7537	7383	7291	7258	7282	7290	7310	7361	7430	7509	7554
45.0	7436	7213	7004	6839	6727	6546	6440	6411	6459	6438	6497	6624	6793	6968	6566
50.0	6594	6392	6015	5732	5569	5377	5220	5203	5231	5216	5356	5638	5831	5424	5069
55.0	4660	4969	4515	4053	3832	3631	3396	3420	3416	3443	3735	4055	3912	3643	3403
60.0	2618	2733	2413	2046	1766	1642	1394	1424	1417	1414	1788	2090	2033	1822	1614
65.0	903	983	860	536	443	391	332	348	385	381	536	758	678	392	654
70.0	264	267	275	256	239	212	202	211	211	219	238	241	214	223	310
75.0	154	158	165	163	158	134	132	129	120	138	154	150	135	125	125
80.0	79.8	87.9	93.9	89.3	89.9	103	95.8	87.3	80.5	77.6	77.8	72.6	61.4	63.5	63.5
85.0	47.8	47.4	47.3	46.9	46.8	50.2	51.2	42.6	36.1	32.3	35.1	36.7	37.2	38.4	38.6
90.0	16.6	16.6	16.9	16.9	16.6	16.6	21.0	13.1	14.1	14.0	13.7	13.7	13.9	14.0	14.2

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180515-01

UNIT: cd

C (DEG) \ γ (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745
5.0	8743	8723	8704	8687	8670	8654	8638	8624	8612	8601	8594	8589	8584	8582	8581
10.0	8765	8727	8687	8646	8610	8573	8538	8507	8479	8458	8445	8435	8430	8430	8435
15.0	8752	8649	8547	8448	8356	8270	8198	8133	8084	8051	8037	8038	8054	8083	8125
20.0	8563	8434	8304	8178	8053	7937	7835	7751	7685	7644	7631	7641	7672	7724	7790
25.0	8351	8214	8066	7909	7755	7607	7475	7367	7284	7236	7228	7251	7305	7381	7475
30.0	8112	7982	7827	7648	7462	7282	7115	6979	6882	6829	6828	6867	6946	7054	7179
35.0	7850	7742	7588	7178	6763	6388	6068	5817	5646	5570	5596	5713	5909	6173	6489
40.0	7418	6958	6503	6057	5628	5225	4874	4587	4393	4311	4350	4498	4734	5039	5387
45.0	6155	5739	5315	4884	4458	4048	3670	3355	3141	3051	3107	3286	3561	3898	4268
50.0	4759	4423	4058	3658	3253	2848	2458	2123	1886	1792	1866	2079	2388	2749	3126
55.0	3221	3014	2736	2522	2317	2087	1845	1621	1456	1390	1440	1587	1794	2020	2242
60.0	1671	1932	1970	1879	1722	1544	1353	1175	1041	987	1029	1151	1318	1499	1674
65.0	981	1220	1276	1212	1097	971	840	716	621	585	615	704	822	949	1077
70.0	479	600	606	538	452	376	309	247	198	183	198	248	309	380	460
75.0	131	130	153	171	186	195	192	174	150	142	150	175	194	202	201
80.0	69.6	87.9	105	118	128	136	135	124	107	101	107	124	136	141	138
85.0	41.1	49.9	59.5	66.6	72.2	77.0	77.6	72.3	63.6	60.2	63.4	71.9	77.4	78.8	77.0
90.0	14.5	14.7	15.2	16.1	16.9	18.6	20.2	20.7	20.2	19.4	19.7	19.7	18.6	17.1	16.2

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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: FL-B180515-01

MANUFACTURER: Feilong lighting	Address:	
NAME: FL-SDD-2C-3-150W	TYPE: LED tunnel light	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: FL-C180515-01

UNIT: cd

γ (DEG)	C(DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745	8745
5.0	8582	8584	8588	8594	8600	8608	8617	8627	8637	8648	8659	8671
10.0	8443	8456	8470	8487	8505	8525	8546	8567	8588	8609	8631	8653
15.0	8177	8237	8303	8373	8436	8462	8489	8515	8540	8564	8590	8616
20.0	7868	7952	8040	8130	8215	8298	8376	8403	8415	8430	8450	8476
25.0	7580	7686	7790	7884	7966	8039	8103	8160	8187	8185	8188	8204
30.0	7310	7436	7549	7641	7710	7757	7789	7813	7843	7835	7816	7817
35.0	6847	7209	7326	7402	7440	7450	7428	7406	7385	7377	7337	7324
40.0	5770	6176	6593	7023	7141	7085	6999	6904	6826	6769	6729	6685
45.0	4658	5058	5458	5854	6259	6645	6463	6274	6113	6016	5984	5896
50.0	3509	3887	4243	4581	4892	5235	5614	5404	5077	4852	4779	4686
55.0	2445	2663	2950	3180	3366	3575	3789	3895	3477	3091	3063	2899
60.0	1832	1940	1948	1755	1692	1841	1991	1965	1627	1244	1072	947
65.0	1195	1275	1259	1063	745	458	668	702	479	357	316	267
70.0	547	623	640	537	365	250	224	239	240	235	222	180
75.0	190	175	156	162	151	140	144	158	158	141	128	118
80.0	130	120	106	89.1	76.4	76.0	76.0	85.6	86.5	77.9	79.4	85.8
85.0	72.3	66.8	59.1	50.5	45.2	45.2	45.2	45.3	45.6	45.0	43.2	41.9
90.0	15.6	15.0	14.8	14.7	14.7	14.8	15.0	15.2	15.5	15.7	15.5	12.7

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:hu
 Test Date:2018-05-15

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