



STC Test Report

Date : 2013-04-30

Page 1 of 10

No. : DE109526

Applicant (SZS005) : SHEN ZHEN SCREENTECH LIGHTING CO., LTD.
5/F, Bldg A, Qiaohongsheng Industrial Park, Yin Tian
Manufacturing District, Xixiang Town, Bao'an Area,
Shenzhen, China

Description of Sample(s) : Submitted sample(s) said to be
Product: flood light
Brand name: S-Tech Lighting
Model No.: FLA-SC150W (5000K)
Electrical rating: 100-240Va.c. 50/60Hz
Quantity submitted: 1 piece
Country of origin: Shen Zhen(China)
Country of destination: Not provided
Manufacturer: SHEN ZHEN SCREENTECH LIGHTING
CO., LTD.

Date Sample(s) Received : 2013-04-17

Date Tested : 2013-04-17

Investigation Requested : Photometric Measurements

Test Method : Referred to IES LM-79-08 Electrical And Photometric
Measurements of Solid-State Lighting Products.

Conclusion(s) : See the test data in following pages

Remark(s) : Testing voltage and frequency: 240V~ 50Hz



Li Chang Jun, Ricky
Authorized Signatory

Electrical Safety Department
For and on behalf of

STC (Dongguan) Company Limited

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, Guangdong, China (Zip Code: 523770)

TEL: (86)400 886 8338 FAX: (86 769)8111 6222 Email: dgstc@dgstc.org Website: www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Website.



STC Test Report

Date : 2013-04-30

Page 2 of 10

No. : DE109526

TEST DATA

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	384.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	138.8V x 138.4H
	At 50% of Imax	108.3V x 106.7H
	At 90% of Imax	42.8V x 67.4H

Beam Flux	Total	1000.0 lumens per klm.
	To 10% of Imax	984.6 lumens per klm.
	To 50% of Imax	826.2 lumens per klm.
	To 90% of Imax	260.6 lumens per klm.

Upward LOR	0.3 %
Downward LOR	99.7 %

Luminaire Efficiency (Light Output Ratio)	100.0 %
---	---------

STC (Dongguan) Company Limited

88 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)

Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

Date : 2013-04-30

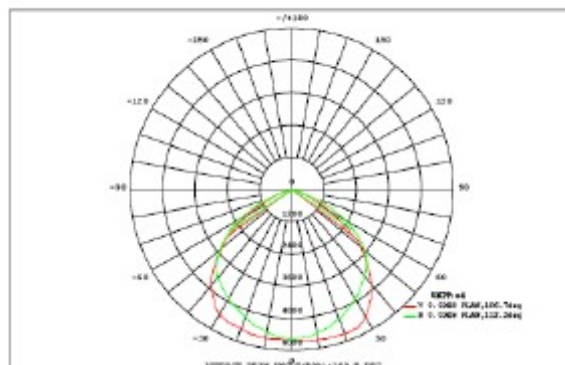
Page 3 of 10

No. : DE109526

TEST DATA

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.0V I:0.6789A P:153.8W PF:0.9440 Lamp Flux:14893.5x1 lm		
NAME: LED flood light	TYPE:	WEIGHT:--
DIM.: 378*332*121mm	SPEC.:FLA-SC150W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:330mm	PROTECTION ANGLE:--



DATA OF LAMP		Eff:96.84lm/W	
MODEL	--	Imax(cd)	5732
NOMINAL POWER(W)	150	AVAILABILITY(%)	98.5
RATED VOLTAGE(V)	100-240	Avai. FLUX(lm)	14667
NOMINAL FLUX(lm)	14893.5	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	14893
TEST VOLTAGE(V)	239.9	θ @50% (H,V)	107,108DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		φ t	φ a
	0.01	0.03	0.07	0.11	0.16	0.19	0.20	0.21	0.21	0.21	0.20	0.17	0.14	0.11	0.07	0.04	0.02	0.01	2.16	0.00
90	0.01	0.06	0.16	0.31	0.90	2.02	3.53	4.82	5.06	4.92	4.49	3.03	1.41	0.54	0.24	0.11	0.04	0.01	31.7	0.35
80	0.01	0.10	0.31	2.38	10.2	22.2	34.5	42.9	45.1	44.6	41.4	31.5	18.0	7.03	1.32	0.23	0.07	0.01	302	278
70	0.02	0.14	1.42	10.8	30.9	55.3	73.9	85.9	89.9	90.1	86.1	71.8	50.0	25.1	7.50	0.61	0.11	0.01	680	670
60	0.02	0.20	4.72	20.7	50.0	79.8	101	113	118	119	115	101	76.4	44.8	16.7	2.78	0.15	0.02	963	956
50	0.03	0.41	8.31	30.5	64.8	96.3	119	130	135	136	133	121	95.3	60.8	25.7	6.01	0.20	0.02	1162	1157
40	0.03	0.87	11.6	39.1	75.4	109	133	144	150	151	148	136	110	72.9	34.5	8.95	0.35	0.02	1324	1320
30	0.03	1.31	13.9	45.0	83.2	119	143	155	161	162	158	147	120	81.3	41.0	11.1	0.57	0.02	1443	1440
20	0.03	1.55	15.0	47.6	87.3	124	149	162	168	169	165	154	125	85.4	44.0	12.2	0.71	0.03	1511	1507
10	0.03	1.54	15.0	47.5	86.9	124	148	161	166	168	165	154	126	85.5	44.2	12.2	0.72	0.03	1506	1502
0	0.03	1.30	13.9	44.7	82.1	117	141	153	159	161	157	147	120	81.7	41.7	11.4	0.59	0.02	1432	1428
-10	0.03	0.85	11.5	38.7	74.2	108	132	143	148	150	147	136	110	73.9	35.7	9.25	0.37	0.02	1319	1315
-20	0.03	0.40	8.15	30.2	63.6	95.5	120	132	137	138	135	123	96.8	62.4	27.0	6.27	0.21	0.02	1175	1170
-30	0.02	0.20	4.58	20.2	48.8	78.3	101	116	120	121	118	103	77.8	46.1	17.5	3.02	0.16	0.02	976	969
-40	0.02	0.14	1.35	10.4	29.6	54.0	73.9	86.8	89.9	89.8	86.3	72.4	51.0	26.1	8.13	0.68	0.11	0.01	681	671
-50	0.01	0.09	0.31	2.38	10.1	22.1	35.5	44.0	45.0	44.0	41.0	31.5	18.7	7.90	1.53	0.26	0.08	0.01	305	281
-60	0.01	0.06	0.14	0.30	0.90	2.13	3.83	5.25	5.35	5.10	4.69	3.30	1.70	0.67	0.28	0.13	0.04	0.01	33.9	2.28
-70	0.01	0.02	0.05	0.09	0.12	0.16	0.20	0.24	0.27	0.28	0.27	0.23	0.18	0.13	0.08	0.04	0.02	0.01	2.39	0.00
-80	0.01	0.02	0.05	0.09	0.12	0.16	0.20	0.24	0.27	0.28	0.27	0.23	0.18	0.13	0.08	0.04	0.02	0.01	2.39	0.00
-90	0.01	0.02	0.05	0.09	0.12	0.16	0.20	0.24	0.27	0.28	0.27	0.23	0.18	0.13	0.08	0.04	0.02	0.01	2.39	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
φ t	0.37	9.26	110	391	799	1209	1512	1680	1743	1754	1706	1536	1198	762	347	85.3	4.50	0.29	14847	---
φ a	0.00	0.00	93.5	378	787	1198	1503	1671	1734	1744	1697	1526	1186	750	334	65.7	0.00	0.00	---	14667

one-half-peak spread: U:54.5,D:54.3 , L:28.2,R:27.8

NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

88 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

Date : 2013-04-30

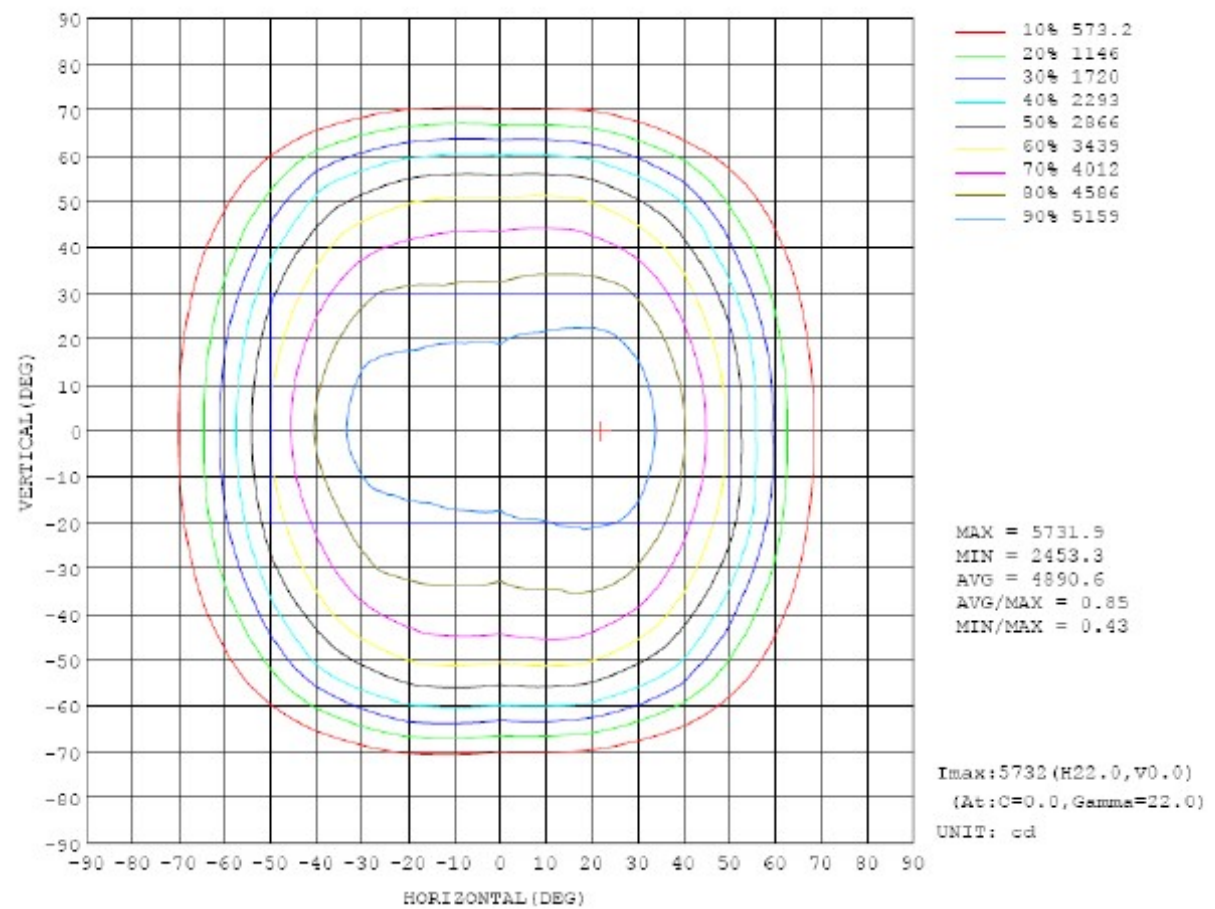
Page 4 of 10

No. : DE109526

TEST DATA

ISOCANDELA DIAGRAM

Test:U:240.0V I:0.6789A P:153.8W PF:0.9440 Lamp Flux:14893.5x1 lm		
NAME: LED flood light	TYPE:	WEIGHT:--
DIM.: 378*332*121mm	SPEC.: FLA-SC150W	SERIAL No.:--
MFR.: Shenzhen Screentech Lighting Co., Ltd	SUR.: 330mm	PROTECTION ANGLE:--



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 6222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

Date : 2013-04-30

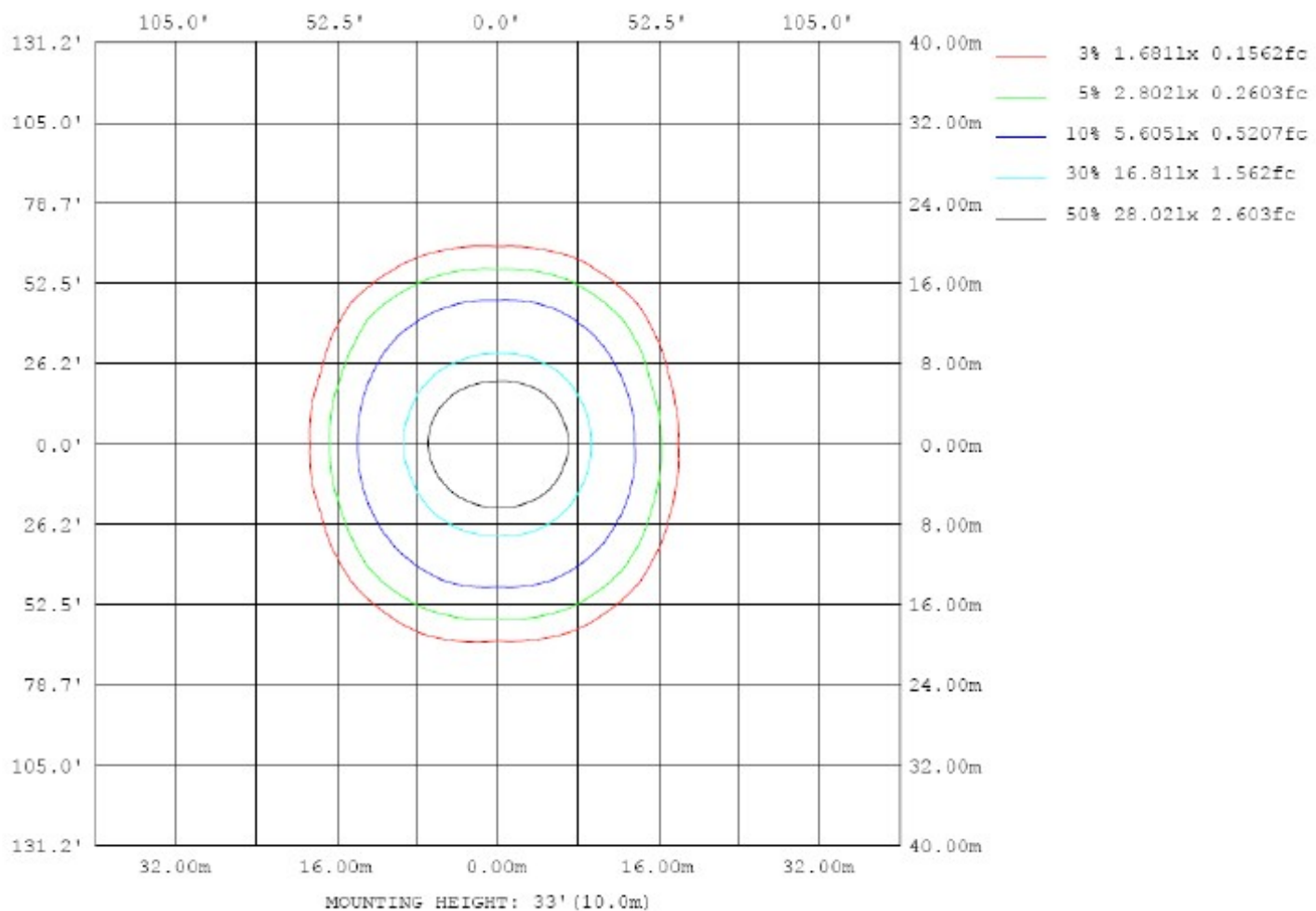
Page 5 of 10

No. : DE109526

TEST DATA

ISOLUX DIAGRAM

Test:U:240.0V I:0.6789A P:153.8W PF:0.9440 Lamp Flux:14893.5x1 lm		
NAME: LED flood light	TYPE:	WEIGHT:--
DIM.: 378*332*121mm	SPEC.:FLA-SC150W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:330mm	PROTECTION ANGLE:--



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

Date : 2013-04-30

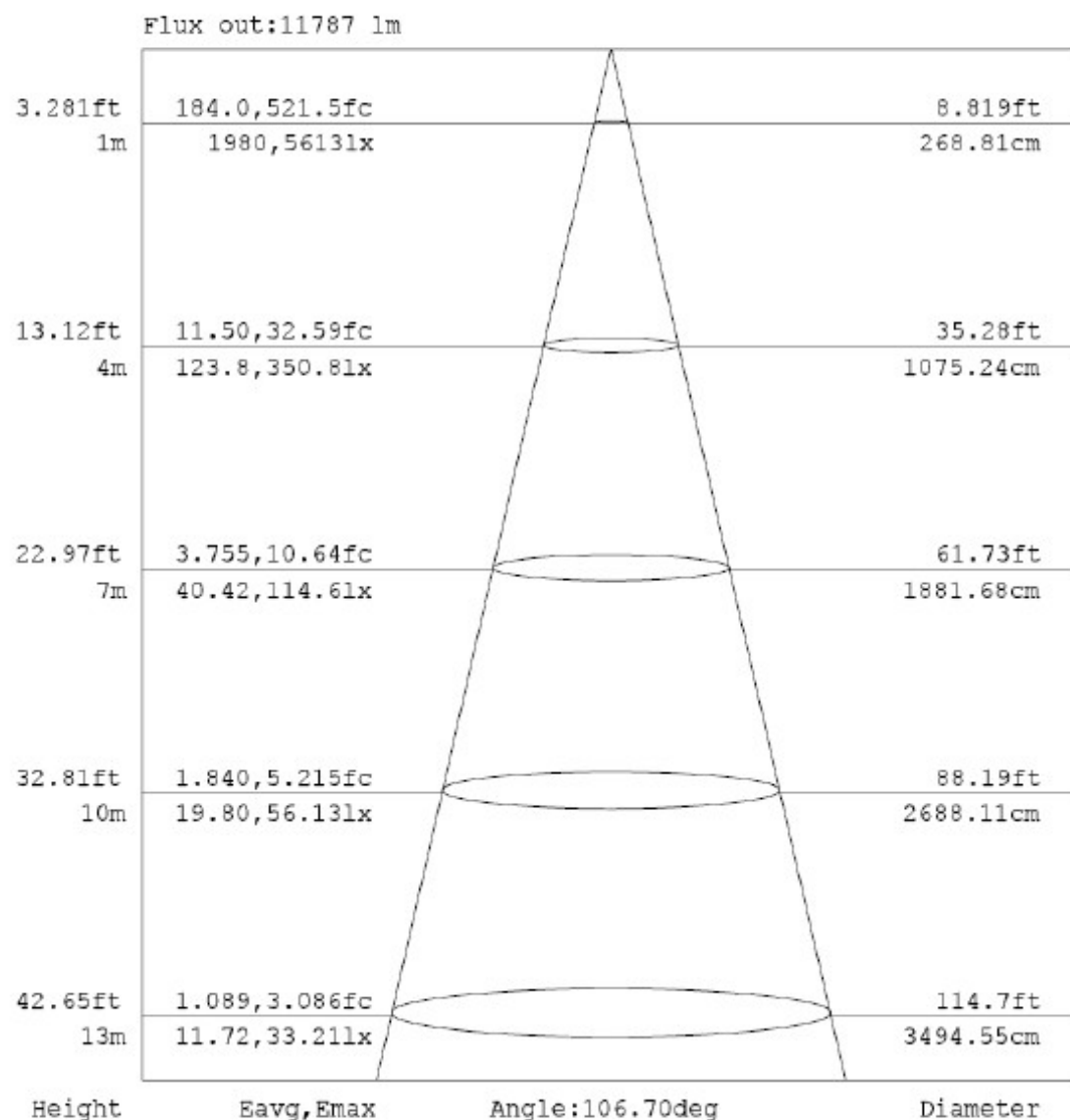
Page 6 of 10

No. : DE109526

TEST DATA

AAI Figure

Test:U:240.0V I:0.6789A P:153.8W PF:0.9440 Lamp Flux:14893.5xl lm		
NAME: LED flood light	TYPE:	WEIGHT:--
DIM.: 378*332*121mm	SPEC.:FLA-SC150W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.:330mm	PROTECTION ANGLE:--



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

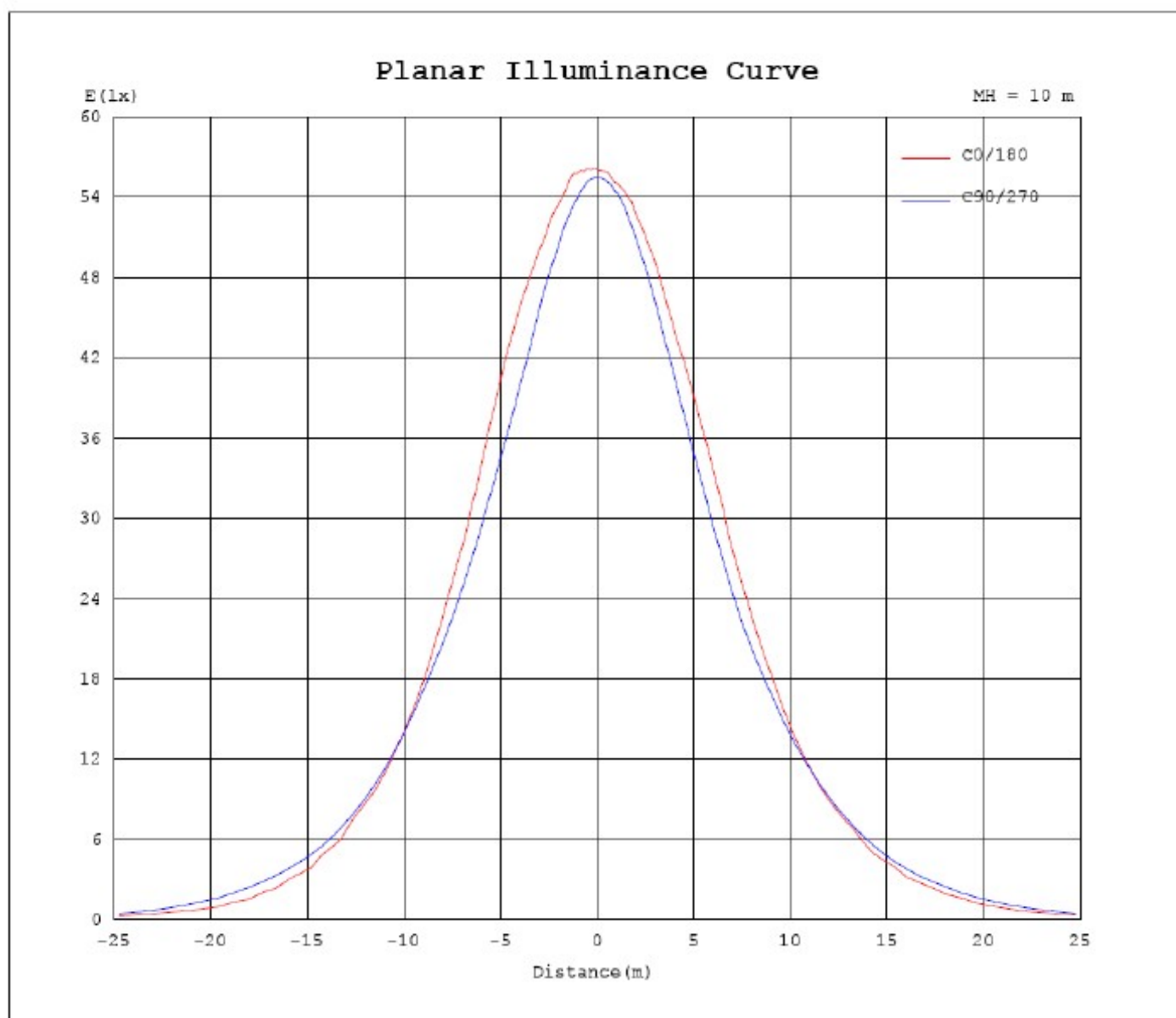
Date : 2013-04-30

Page 7 of 10

No. : DE109526

TEST DATA

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

Date : 2013-04-30

Page 8 of 10

No. : DE109526

TEST DATA

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.0V I:0.6789A P:153.8W PF:0.9440 Lamp Flux:14893.5xl lm		
NAME: LED flood light	TYPE:	WEIGHT:--
DIM.: 378*332*121mm	SPEC.: FLA-SC150W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.: 330mm	PROTECTION ANGLE:--

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	2.06	1.97	2.43	3.22	4.44	5.76	6.96	7.60	8.43	9.48	9.94	10.7	10.3	10.1	8.83	9.80	13.8	14.1	12.6
-170	2.06	1.98	2.46	3.31	4.58	6.03	7.44	8.28	9.20	10.3	10.9	11.3	11.5	11.8	11.9	11.2	11.7	11.0	11.0
-160	2.06	1.98	2.44	3.30	4.52	6.04	7.60	8.72	9.70	10.8	11.6	11.4	10.4	9.76	9.88	11.0	11.6	11.0	10.1
-150	2.06	1.96	2.38	3.19	4.32	5.76	7.32	8.85	9.86	10.4	10.8	10.6	9.72	8.53	9.35	11.0	12.0	11.4	10.7
-140	2.06	1.94	2.30	2.98	3.93	5.15	6.61	8.03	9.13	9.72	9.99	10.0	10.4	10.8	11.4	12.1	11.9	11.7	11.6
-130	2.06	1.93	2.20	2.71	3.46	4.41	5.53	6.61	7.44	8.35	9.20	9.37	9.79	10.2	10.7	11.0	11.2	11.2	11.2
-120	2.06	1.91	2.11	2.43	2.93	3.59	4.37	5.22	5.99	6.66	7.15	7.58	8.06	8.40	8.37	7.88	7.86	8.27	8.91
-110	2.06	1.91	2.01	2.21	2.45	2.83	3.25	3.79	4.34	4.96	5.45	5.83	6.17	6.51	6.78	6.87	6.91	6.89	6.81
-100	2.06	1.95	1.96	2.03	2.15	2.26	2.34	2.51	2.73	2.99	3.24	3.49	3.71	3.92	4.07	4.12	4.14	4.14	4.12
-90	2.06	2.05	2.05	2.04	2.04	2.08	2.17	2.25	2.34	2.42	2.44	2.46	2.48	2.50	2.61	2.81	3.00	3.20	3.40
-80	2.06	2.14	3.03	4.57	6.06	7.18	8.26	9.41	10.7	12.0	13.3	14.4	15.5	16.4	17.4	18.5	19.4	20.2	20.6
-70	2.06	3.02	6.16	8.88	11.9	15.6	20.1	28.1	61.4	145	226	311	424	533	632	663	664	638	589
-60	2.06	4.46	8.78	13.3	19.9	30.7	89.2	307	557	901	1238	1519	1815	2085	2263	2326	2344	2330	2284
-50	2.06	5.90	11.3	18.6	32.3	157	503	826	1309	1816	2375	2712	2988	3244	3450	3554	3567	3549	3499
-40	2.06	6.89	13.6	25.5	89.7	504	820	1460	2058	2616	3149	3543	3842	4051	4214	4297	4310	4313	4293
-30	2.06	7.74	15.8	32.1	297	708	1303	1945	2604	3228	3707	4104	4445	4623	4687	4717	4721	4728	4715
-20	2.06	8.38	17.6	39.2	479	898	1639	2386	3117	3642	4137	4517	4824	4958	5004	5043	5066	5075	5053
-10	2.06	8.78	18.7	46.6	559	1042	1844	2637	3357	3948	4474	4858	5156	5244	5288	5339	5375	5393	5401
0	2.06	8.93	18.9	43.4	580	1068	1940	2653	3430	4074	4638	5029	5377	5480	5518	5578	5622	5577	5605
10	2.06	8.82	18.7	47.2	561	1040	1846	2658	3375	3985	4513	4898	5231	5345	5393	5444	5444	5450	5432
20	2.06	8.46	17.6	38.8	479	911	1663	2395	3146	3696	4238	4594	4873	5045	5061	5102	5124	5138	5129
30	2.06	7.86	15.8	31.5	307	722	1299	1953	2687	3278	3755	4151	4458	4611	4667	4685	4694	4720	4714
40	2.06	7.05	13.8	25.1	96.2	506	843	1476	2075	2663	3216	3597	3844	4013	4107	4168	4196	4201	4191
50	2.06	6.10	11.6	18.6	31.2	175	505	858	1363	1927	2417	2769	3036	3251	3394	3473	3519	3538	3522
60	2.06	4.72	9.17	13.8	19.7	29.5	89.7	318	571	917	1290	1576	1818	2058	2224	2291	2333	2333	2298
70	2.06	3.33	6.65	9.51	12.7	16.0	20.2	27.9	59.8	142	213	297	395	495	579	625	649	645	616
80	2.06	2.49	3.68	5.43	7.09	8.38	9.60	11.0	12.4	13.8	14.5	15.0	15.6	16.0	16.5	16.8	17.0	16.9	16.6
90	2.06	2.37	2.69	3.01	3.33	3.51	3.56	3.61	3.66	3.71	3.40	3.08	2.77	2.45	2.27	2.21	2.16	2.10	2.05
100	2.06	2.14	2.03	1.96	1.98	2.00	2.07	2.19	2.36	2.57	2.69	2.78	2.86	2.95	3.03	3.08	3.11	3.13	3.12
110	2.06	1.95	1.93	1.98	2.02	2.25	2.60	3.05	3.60	4.17	4.55	4.76	4.99	5.23	5.40	5.51	5.59	5.61	5.59
120	2.06	1.89	1.97	2.11	2.40	2.79	3.43	4.22	5.01	5.68	5.97	6.26	6.52	6.65	6.46	6.52	6.76	7.07	7.43
130	2.06	1.90	2.03	2.36	2.87	3.49	4.34	5.33	6.04	6.75	7.51	7.86	8.30	8.64	8.80	8.97	9.16	9.36	9.54
140	2.06	1.91	2.14	2.63	3.33	4.25	5.35	6.34	6.99	7.57	8.15	8.38	8.52	8.85	9.22	9.46	9.60	9.84	10.0
150	2.06	1.93	2.24	2.90	3.80	4.97	6.13	6.81	7.23	8.06	8.44	8.52	8.16	7.74	8.72	10.3	11.2	11.3	11.2
160	2.06	1.95	2.34	3.08	4.14	5.46	6.58	7.17	7.88	8.52	8.98	9.14	8.82	8.92	9.06	9.34	9.77	9.70	9.66
170	2.06	1.97	2.41	3.19	4.38	5.71	6.85	7.46	8.24	9.05	9.58	9.77	9.98	9.55	9.52	8.99	9.40	10.4	11.9
180	2.06	1.97	2.43	3.22	4.44	5.76	6.96	7.60	8.43	9.48	9.94	10.7	10.3	10.1	8.83	9.80	13.8	14.1	12.7

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(β) Range:-180 - 180DEG
V(β) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



STC Test Report

Date : 2013-04-30

Page 9 of 10

No. : DE109526

TEST DATA

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.0V I:0.6789A P:153.8W PF:0.9440 Lamp Flux:14893.5x1 lm		
NAME: LED flood light	TYPE:	WEIGHT:--
DIM.: 378*332*121mm	SPEC.: FLA-SC150W	SERIAL No.:--
MFR.: ShenZhen Screentech Lighting Co., Ltd	SUR.: 330mm	PROTECTION ANGLE:--

Table--2		UNIT: cd																	
H (DEG)	V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-180		13.5	12.7	11.4	11.8	11.2	12.5	13.0	12.7	12.2	11.5	10.5	9.66	7.74	6.09	4.48	3.14	2.22	2.04
-170		11.2	11.3	10.9	11.2	11.2	11.6	12.0	12.0	11.8	11.3	10.4	9.51	7.71	6.07	4.46	3.13	2.23	2.04
-160		10.9	11.4	10.7	9.41	9.49	10.2	11.3	11.4	11.6	10.9	10.1	9.08	7.40	5.84	4.28	3.04	2.22	2.04
-150		11.3	11.9	11.1	9.56	8.84	10.0	10.7	11.0	10.8	10.2	9.65	8.34	6.87	5.40	4.02	2.90	2.19	2.04
-140		11.6	11.7	11.6	11.2	10.7	10.2	10.1	10.3	10.1	9.62	8.59	7.34	6.13	4.81	3.66	2.72	2.16	2.04
-130		11.1	11.0	10.9	10.6	10.3	9.99	9.72	9.66	8.84	8.04	7.21	6.26	5.12	4.11	3.24	2.53	2.11	2.04
-120		8.36	8.02	8.06	8.36	8.46	8.32	7.98	7.67	7.25	6.64	5.80	4.93	4.07	3.41	2.79	2.34	2.09	2.04
-110		6.93	7.00	7.04	7.02	6.82	6.56	6.28	5.97	5.50	4.91	4.30	3.69	3.16	2.75	2.42	2.19	2.08	2.04
-100		4.25	4.35	4.43	4.49	4.38	4.17	3.92	3.66	3.38	3.06	2.78	2.56	2.43	2.32	2.19	2.12	2.08	2.04
-90		3.36	3.33	3.30	3.26	3.17	3.02	2.87	2.72	2.57	2.48	2.39	2.30	2.21	2.15	2.12	2.10	2.07	2.04
-80		20.8	20.7	20.3	19.6	18.4	17.1	15.7	14.2	12.7	10.8	8.97	7.12	5.48	4.18	3.20	2.54	2.13	2.04
-70		605	600	573	526	444	339	249	171	92.0	38.0	23.8	18.3	13.9	10.2	6.78	4.24	2.57	2.04
-60		2319	2317	2277	2197	1937	1684	1383	1054	701	446	174	53.0	25.2	17.0	11.3	6.53	3.24	2.04
-50		3564	3590	3575	3466	3234	2950	2637	2264	1671	1132	707	364	43.6	26.0	15.8	9.05	4.01	2.04
-40		4348	4380	4392	4311	4147	3898	3571	3130	2569	1909	1228	719	338	37.5	20.5	11.3	4.86	2.04
-30		4761	4779	4811	4799	4756	4541	4185	3734	3219	2526	1807	1071	593	110	25.4	13.2	5.55	2.04
-20		5121	5150	5194	5219	5164	4969	4675	4163	3633	3022	2247	1415	763	261	29.5	14.6	6.05	2.04
-10		5458	5479	5527	5544	5550	5328	4970	4498	3910	3302	2432	1569	872	350	31.9	15.4	6.35	2.04
0		5662	5669	5681	5719	5710	5468	5067	4619	3981	3359	2563	1645	887	367	32.1	15.5	6.45	2.04
10		5496	5526	5527	5549	5517	5326	4954	4491	3904	3283	2406	1544	857	344	31.3	15.2	6.34	2.04
20		5202	5229	5243	5257	5190	4968	4650	4159	3597	2990	2177	1386	754	249	28.4	14.3	6.02	2.04
30		4760	4785	4803	4811	4728	4509	4125	3683	3179	2453	1700	1028	579	104	24.2	12.9	5.51	2.04
40		4239	4253	4239	4184	4051	3833	3504	3052	2480	1821	1183	698	308	34.3	19.2	11.0	4.82	2.04
50		3551	3553	3532	3417	3216	2924	2610	2200	1638	1082	679	323	38.9	23.5	14.8	8.78	3.98	2.04
60		2326	2317	2262	2174	1927	1637	1346	1017	654	390	161	43.5	22.0	15.4	10.7	6.37	3.22	2.04
70		631	623	591	539	443	333	230	139	70.8	29.0	20.4	16.0	12.5	9.47	6.51	4.15	2.56	2.04
80		16.7	16.6	16.2	15.7	14.8	13.9	12.9	11.9	10.8	9.34	7.90	6.45	5.09	3.99	3.15	2.52	2.09	2.04
90		2.07	2.09	2.11	2.13	2.14	2.16	2.17	2.19	2.20	2.14	2.07	2.01	1.94	1.93	1.95	1.98	2.01	2.04
100		3.16	3.18	3.18	3.15	3.12	3.09	3.05	3.00	2.93	2.65	2.39	2.15	1.98	1.94	1.95	1.99	2.02	2.04
110		5.60	5.58	5.52	5.43	5.36	5.27	5.16	5.00	4.68	4.09	3.47	2.95	2.48	2.21	2.07	2.01	2.02	2.04
120		7.14	6.89	6.73	6.80	6.88	6.77	6.65	6.55	6.21	5.57	4.79	3.94	3.18	2.80	2.41	2.12	2.02	2.04
130		9.32	9.09	8.82	8.46	8.22	8.03	7.77	7.51	7.08	6.62	5.96	5.04	4.17	3.44	2.84	2.32	2.04	2.04
140		9.90	9.80	9.71	9.06	8.48	7.98	7.81	8.09	7.89	7.52	6.94	6.10	5.20	4.18	3.28	2.53	2.09	2.04
150		10.9	10.7	9.94	8.81	8.05	8.22	8.57	8.60	8.37	7.91	7.86	7.18	6.10	4.89	3.69	2.73	2.14	2.04
160		9.55	9.54	9.20	9.03	9.37	8.94	9.08	9.48	9.51	9.12	8.73	8.13	6.81	5.45	4.05	2.92	2.18	2.04
170		11.7	9.21	8.49	8.64	9.18	10.5	10.7	11.0	10.9	10.4	9.66	8.98	7.40	5.86	4.33	3.07	2.21	2.04
180		13.5	12.7	11.4	11.8	11.2	12.5	13.0	12.7	12.2	11.5	10.5	9.66	7.74	6.09	4.48	3.14	2.22	2.04

H(β) Range:-90 - 90DEG
H(β) Interval: 0.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Ryan
Test Date:2013-04-17

V(B) Range:-180 - 180DEG
V(B) Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.272
Humidity:55.0%
Test Distance:30.000m [K=1.0000]
Remarks: CCT:5000K

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.



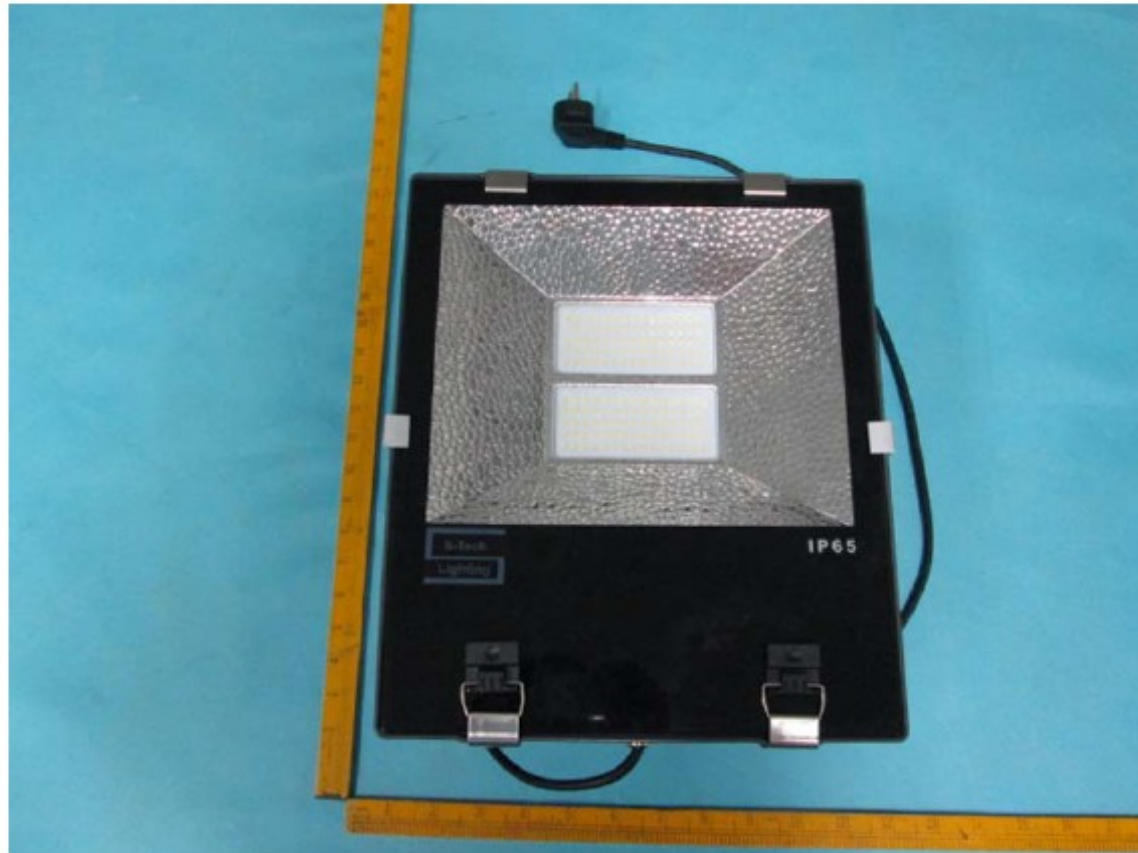
STC Test Report

Date : 2013-04-30

Page 10 of 10

No. : DE109526

Product Photographs



***** End of Test Report *****

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)

Tel : (86 769) 8111 9888 Fax : (86 769) 8111 8222 E-mail : dgstc@dgstc.org Homepage : www.dgstc.org

This report shall not be reproduced unless with prior written approval from STC (Dongguan) Company Limited.
For Conditions of Issuance of this test report, please refer to the overleaf or Homepage.