

LUMINAIRE PHOTOMETRIC TEST REPORT

LAMP PHOTOMETRIC REPORT

MODEL: TLP-F-6012W-72

POWER: 72W

VOLTAGE: 230V

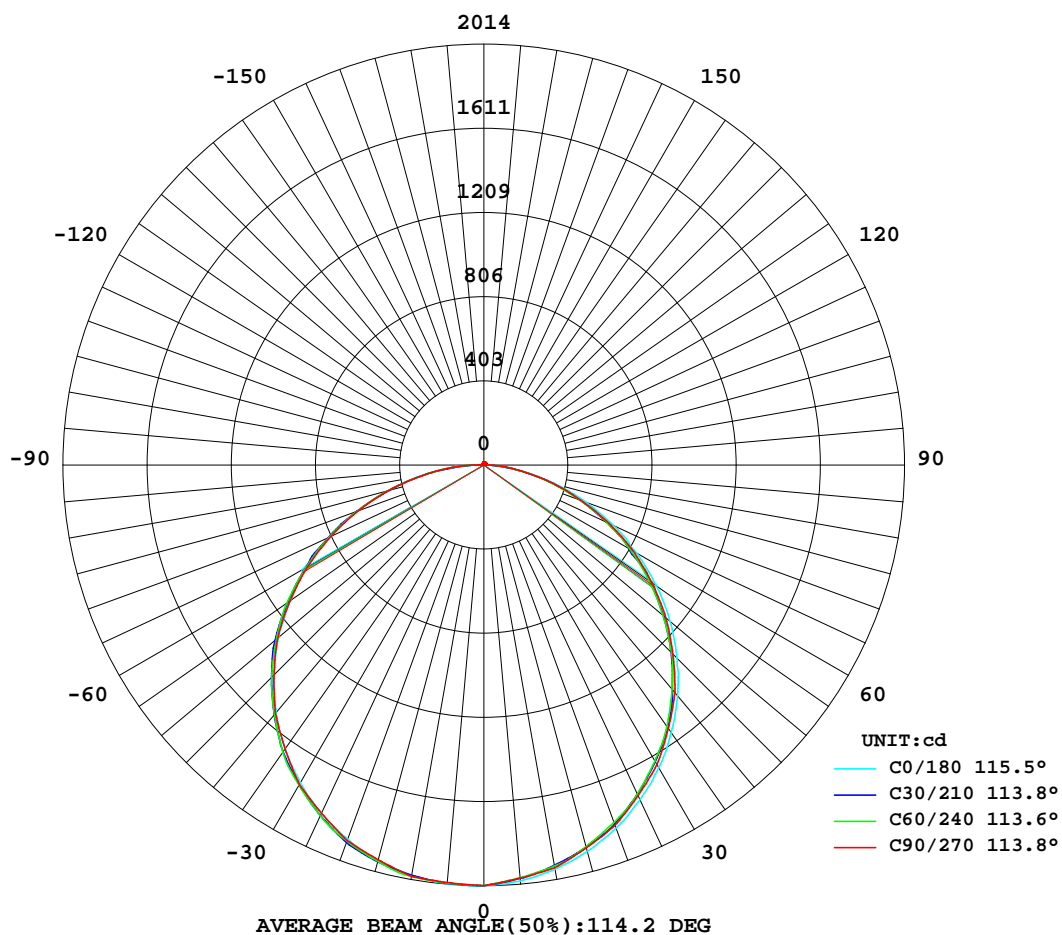
WORKING VOLTAGE: 218.7V

MANUFACTURER: SGSLIGHT LIMITED

TOTAL FLUX: 5918.4 lm

Efficiency: 80.119 lm/W

Test: U: 228.6V I: 0.341A P: 73.87W PF: 0.941



Test System:HOPPO HPG1900
Temperature:25.3DEG
Operators:TOM CHEN
Test Date:2015-04-15

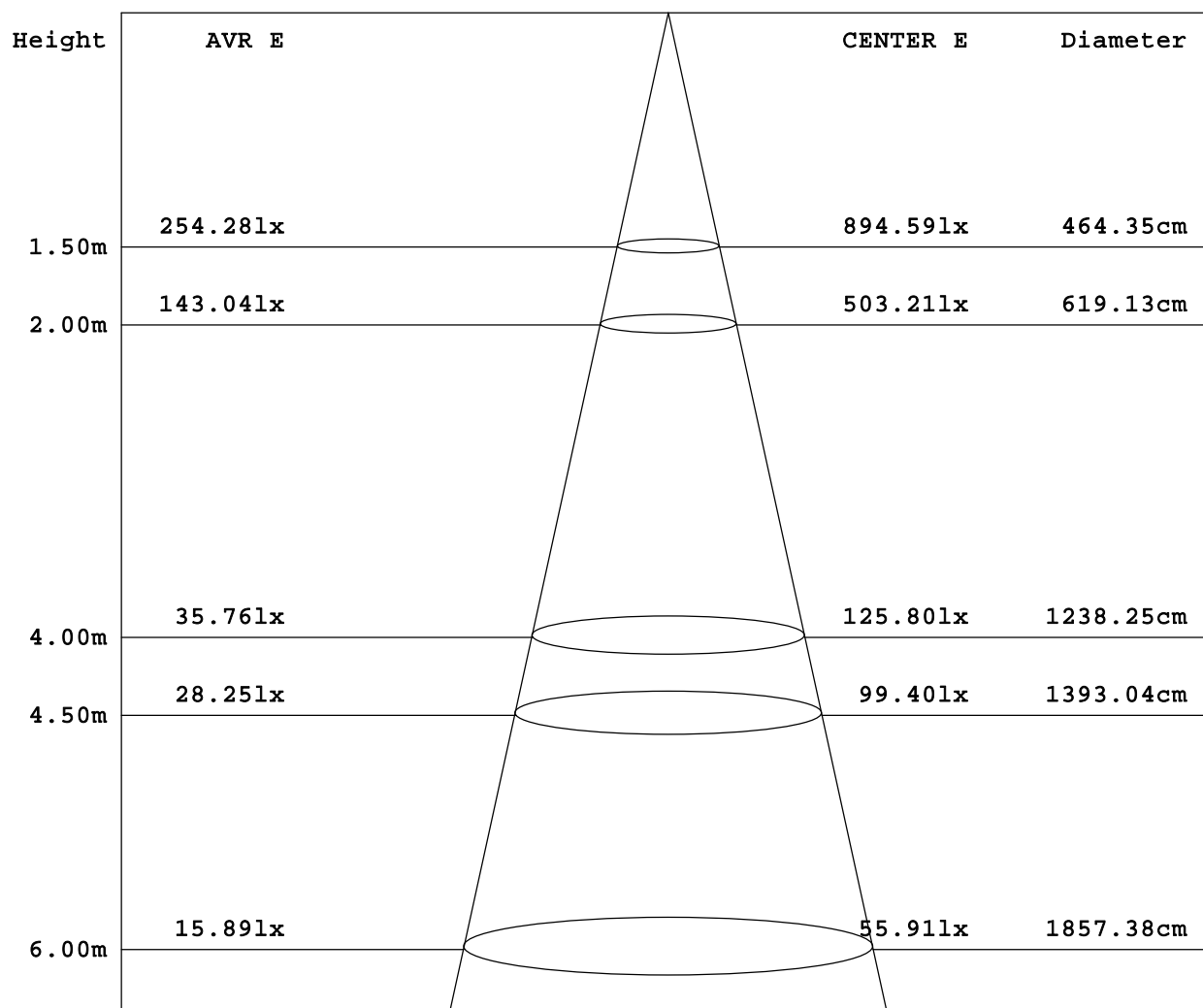
Test Set: 7.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	



Angle:114.3deg

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED		Address:	
NAME: LED PANEL		TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72		DIMENSION: 596X1196X11MM SERIAL No.:	

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2012	2009	2006	1998	1999	1983	1985	1994	0- 5	47.89	47.89
10.0	1993	1996	1999	1976	1964	1946	1957	1968	5- 10	142.0	189.9
15.0	1959	1971	1956	1938	1914	1894	1897	1928	10- 15	231.5	421.4
20.0	1905	1915	1912	1875	1850	1819	1836	1862	15- 20	313.1	734.6
25.0	1840	1854	1839	1807	1769	1738	1746	1789	20- 25	384.7	1119
30.0	1758	1771	1766	1719	1674	1638	1657	1697	25- 30	443.3	1563
35.0	1658	1676	1659	1615	1563	1523	1540	1593	30- 35	487.6	2050
40.0	1547	1569	1552	1505	1443	1404	1423	1478	35- 40	515.3	2566
45.0	1420	1437	1421	1373	1306	1265	1280	1342	40- 45	526.2	3092
50.0	1283	1300	1290	1243	1163	1128	1137	1201	45- 50	519.1	3611
55.0	1131	1147	1133	1087	1006	966.0	981.8	1044	50- 55	495.0	4106
60.0	1005	991.0	975.4	939.2	846.3	808.2	826.3	884.6	55- 60	454.5	4561
65.0	807.8	817.4	806.9	772.1	686.1	648.1	659.3	716.4	60- 65	399.1	4960
70.0	642.0	644.1	638.3	610.1	519.4	490.5	492.3	548.7	65- 70	331.7	5292
75.0	470.4	474.4	469.5	445.4	359.7	331.6	342.9	384.9	70- 75	256.2	5548
80.0	311.0	307.3	300.7	293.5	207.5	198.6	193.5	233.5	75- 80	177.1	5725
85.0	161.9	155.6	165.3	152.9	45.97	88.80	98.75	104.9	80- 85	101.0	5826
90.0	18.32	23.19	29.98	23.02	7.120	4.414	3.997	4.164	85- 90	36.04	5862
95.0	2.498	10.32	17.40	10.11	14.11	4.972	4.663	4.957	90- 95	5.528	5868
100.0	3.539	5.194	4.830	5.200	13.24	5.638	5.330	5.438	95-100	3.493	5871
105.0	4.539	5.675	5.496	6.094	12.70	6.369	5.871	5.732	100-105	3.150	5874
110.0	5.538	6.205	6.163	6.956	12.11	7.143	6.412	6.032	105-110	3.392	5878
115.0	6.537	6.765	6.829	7.816	11.95	7.836	6.954	6.374	110-115	3.585	5881
120.0	7.537	7.348	7.495	8.549	12.11	8.511	7.495	6.778	115-120	3.743	5885
125.0	8.245	7.949	8.161	9.373	12.65	9.196	8.037	7.255	120-125	3.852	5889
130.0	9.244	8.600	8.828	10.06	13.15	9.979	8.578	7.912	125-130	3.912	5893
135.0	10.24	9.198	9.494	10.89	13.86	10.56	9.119	8.455	130-135	3.905	5897
140.0	11.24	10.04	10.16	11.52	14.20	11.15	9.661	8.985	135-140	3.824	5900
145.0	11.90	10.51	10.82	12.16	14.53	11.51	10.20	9.757	140-145	3.653	5904
150.0	12.57	11.41	11.49	12.73	14.82	11.98	10.74	10.14	145-150	3.408	5907
155.0	13.24	12.22	12.15	13.27	14.86	12.31	11.28	10.88	150-155	3.073	5911
160.0	13.90	12.79	12.82	13.79	14.57	12.93	11.82	11.61	155-160	2.659	5913
165.0	14.53	13.52	13.49	14.17	14.61	13.36	12.36	12.25	160-165	2.178	5915
170.0	14.86	14.26	14.15	14.83	14.61	14.07	12.90	12.91	165-170	1.628	5917
175.0	15.19	14.87	14.82	15.18	14.65	13.92	13.45	13.60	170-175	1.016	5918
180.0	15.49	15.49	15.49	15.49	13.99	13.99	13.99	13.99	175-180	0.349	5918
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

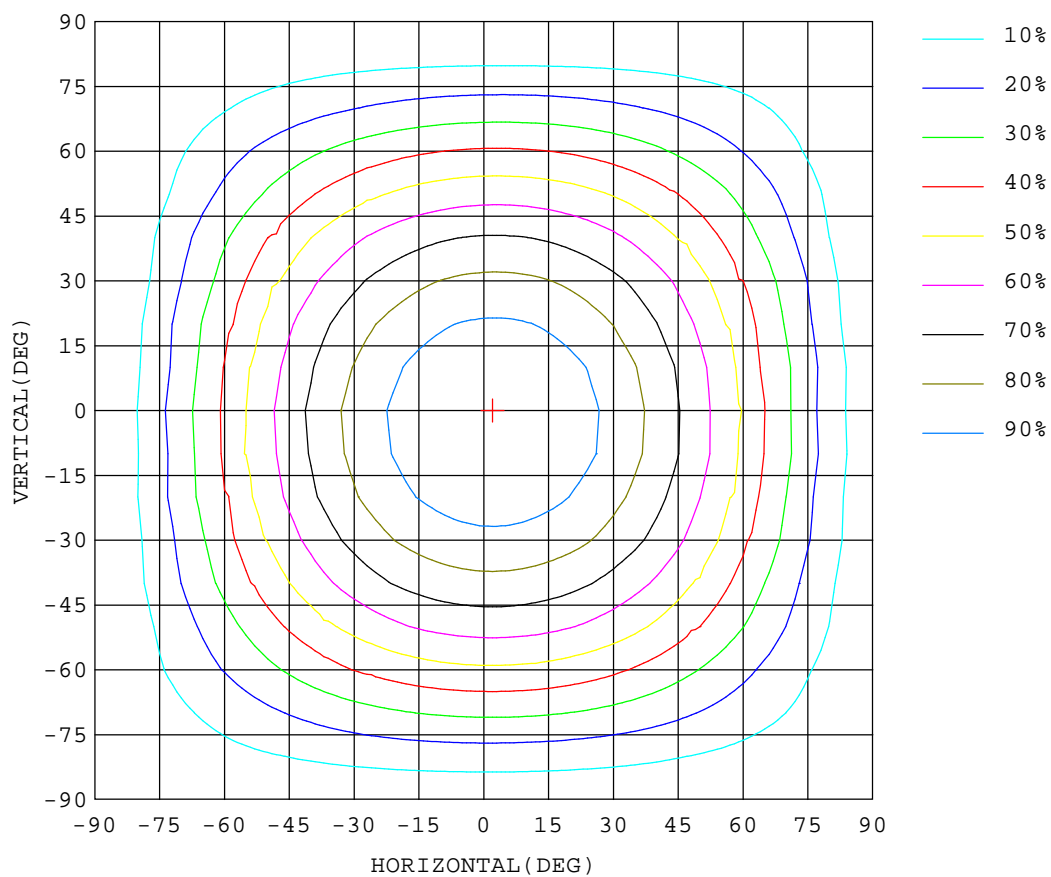
LUMINAIRE PHOTOMETRIC TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

UNIT: cd



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

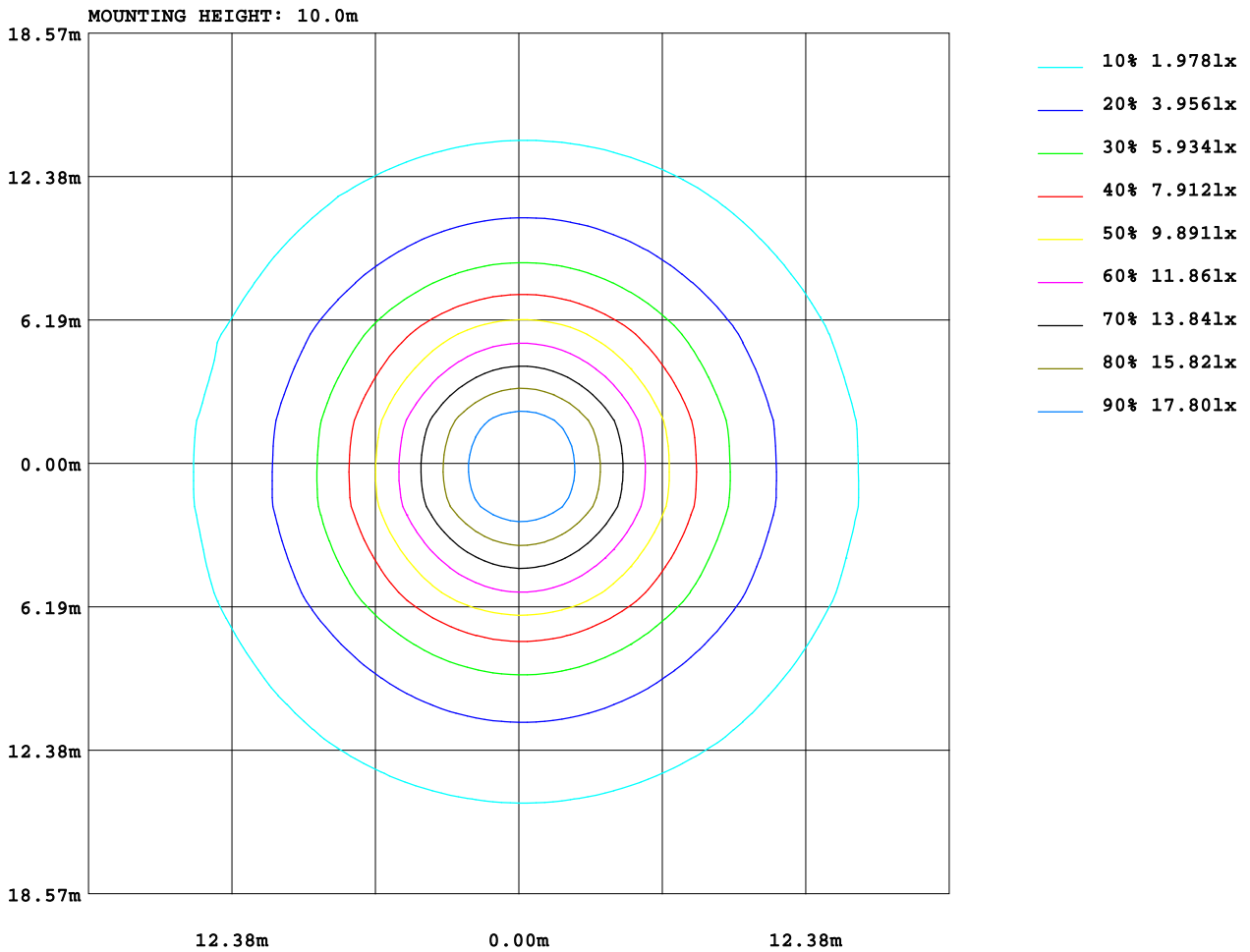
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	



Test System:HOPPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.01	0.03	0.05	0.07	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.08	0.07	0.05	0.04	0.01	1.27	1.27	
90	0.02	0.27	1.10	2.42	3.94	5.49	6.89	7.98	8.62	8.76	8.37	7.48	6.19	4.68	3.12	1.67	0.59	0.08	77.7	77.7	
80	0.04	0.71	2.48	5.18	8.43	11.8	15.1	17.6	19.1	19.4	18.4	16.3	13.3	9.90	6.50	3.50	1.28	0.19	170	170	
70	0.10	1.22	4.08	8.30	13.3	18.7	23.7	27.5	29.7	30.0	28.3	24.9	20.2	14.8	9.59	5.04	1.77	0.25	262	262	
60	0.11	1.54	5.21	10.7	17.4	24.5	30.9	35.8	38.7	39.1	37.0	32.7	26.6	19.7	12.8	6.86	2.49	0.33	343	343	
50	0.17	2.15	6.80	13.5	21.5	30.0	37.7	43.6	46.9	47.3	44.7	39.4	32.0	23.7	15.3	8.09	2.87	0.37	417	417	
40	0.20	2.34	7.48	15.1	24.6	34.0	42.7	49.3	53.2	53.7	50.8	44.8	36.6	27.1	17.6	9.50	3.56	0.48	473	473	
30	0.25	2.85	8.53	16.8	26.8	37.3	46.6	53.7	57.8	58.2	55.0	48.5	39.5	29.2	19.0	10.0	3.68	0.52	515	515	
20	0.27	2.79	8.68	17.6	27.9	38.8	48.7	56.2	60.5	61.0	57.7	50.9	41.6	30.8	20.0	10.6	4.05	0.61	539	539	
10	0.33	3.08	9.12	17.9	28.7	39.6	49.4	57.0	61.3	61.7	58.2	51.3	41.8	30.9	20.1	10.6	3.85	0.57	546	546	
0	0.29	2.79	8.64	17.4	27.6	38.4	48.1	55.5	59.7	60.2	56.9	50.2	40.9	30.3	19.7	10.5	3.95	0.59	532	532	
-10	0.30	2.86	8.45	16.3	26.3	36.3	45.3	52.2	56.1	56.5	53.3	46.9	38.1	28.1	18.2	9.60	3.47	0.50	500	500	
-20	0.26	2.38	7.28	14.7	23.4	32.6	40.8	47.1	50.7	51.1	48.3	42.5	34.6	25.6	16.5	8.80	3.30	0.49	451	451	
-30	0.23	2.24	6.50	12.6	20.2	28.0	35.0	40.4	43.4	43.6	41.1	36.1	29.2	21.5	13.8	7.23	2.60	0.36	385	385	
-40	0.18	1.64	4.94	9.90	15.9	22.2	27.8	32.2	34.7	35.0	33.0	29.0	23.5	17.1	11.1	5.92	2.22	0.32	307	307	
-50	0.14	1.34	3.76	7.25	11.4	15.8	19.7	22.8	24.5	24.7	23.3	20.3	16.4	11.9	7.61	3.98	1.43	0.19	217	217	
-60	0.07	0.73	2.12	4.13	6.52	9.03	11.3	13.1	14.1	14.2	13.3	11.7	9.53	7.03	4.59	2.48	0.93	0.10	125	125	
-70	0.03	0.24	0.81	1.52	2.23	2.88	3.44	3.85	4.04	4.01	3.76	3.32	2.75	2.06	1.34	0.66	0.17	0.02	37.2	37.2	
-80	0.03	0.24	0.81	1.52	2.23	2.88	3.44	3.85	4.04	4.01	3.76	3.32	2.75	2.06	1.34	0.66	0.17	0.02	37.2	37.2	
-90	0.03	0.24	0.81	1.52	2.23	2.88	3.44	3.85	4.04	4.01	3.76	3.32	2.75	2.06	1.34	0.66	0.17	0.02	37.2	37.2	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	3.00	31.2	96.1	192	307	426	534	617	664	669	632	557	454	335	217	115	42.3	5.98	5918		
Φ a	3.00	31.2	96.1	192	307	426	534	617	664	669	632	557	454	335	217	115	42.3	5.98		5918	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

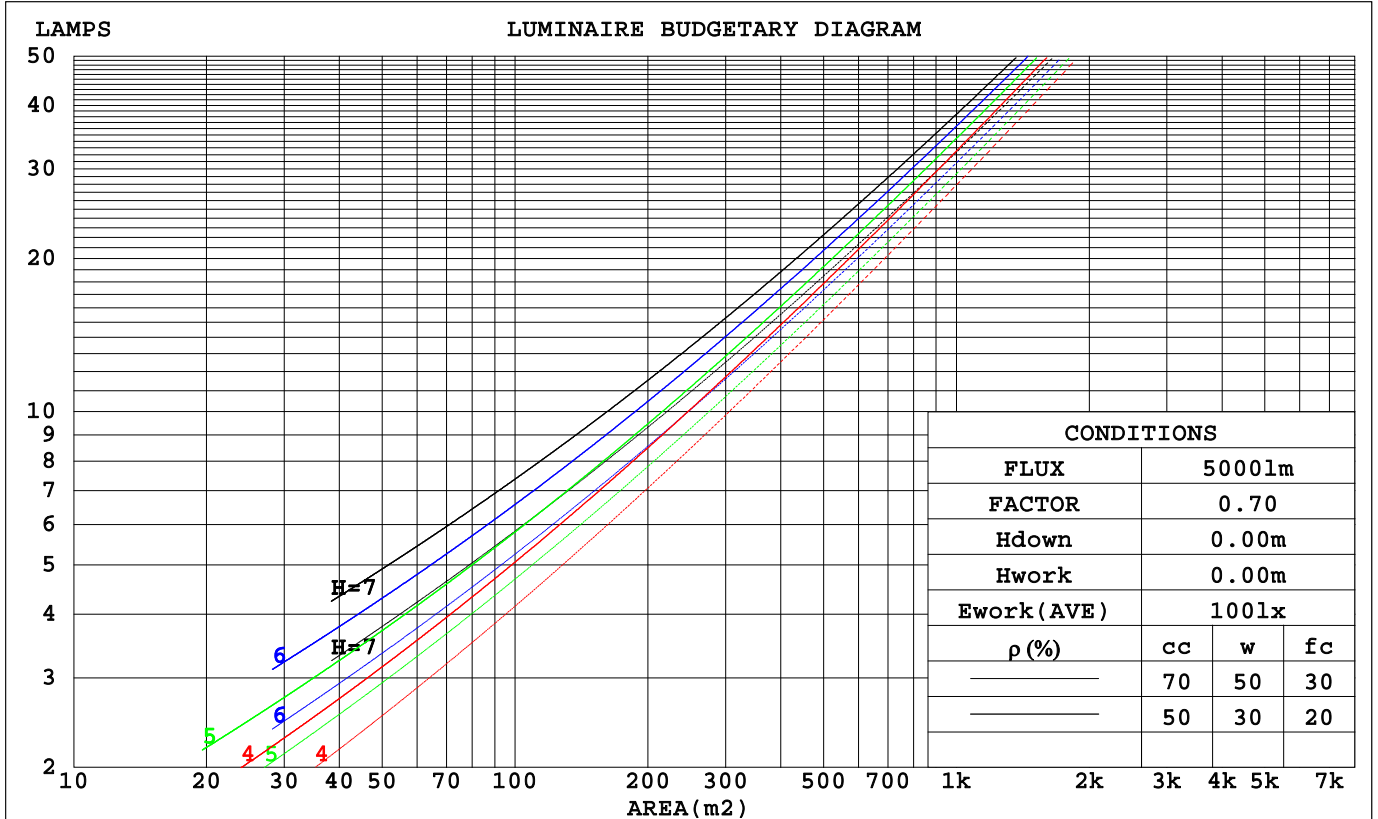
LUMINAIRE PHOTOMETRIC TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED				Address:							
NAME: LED PANEL				TYPE:				WEIGHT:			
SPECIFICATION:TLP-F-6012W-72				DIMENSION: 596X1196X11MM				SERIAL No.:			

ρcc	80%			70%			50%			30%			10%			0														
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%															
ρw	20%			20%			20%			20%			20%			0														
ρfc	20%			20%			20%			20%			20%																	
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	1.01	1.01	1.01	.99														
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.90	.87	.89	.86	.84	.82														
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68														
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.64	.59	.57														
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49														
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37														
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32														
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29														
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26														
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23														



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:		
NAME: LED PANEL	TYPE:	WEIGHT:	
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:		

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	.317	.180	.057	.309	.176	.056	.295	.169	.054	.283	.163	.052	.271	.157	.051	
2.0	.296	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.255	.144	.046	
3.0	.273	.145	.043	.267	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.219	.119	.036	
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.203	.109	.033	
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.175	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021	

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	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.188	.163	.141	.161	.140	.121	.110	.096	.084	.063	.056	.049	.020	.018	.016	
2.0	.180	.139	.105	.154	.120	.091	.106	.083	.063	.061	.048	.037	.020	.016	.012	
3.0	.172	.122	.081	.148	.105	.070	.101	.073	.049	.059	.043	.029	.019	.014	.010	
4.0	.165	.108	.065	.141	.094	.057	.097	.065	.040	.056	.038	.024	.018	.012	.008	
5.0	.157	.098	.054	.135	.085	.047	.093	.059	.033	.054	.035	.020	.017	.011	.007	
6.0	.150	.090	.046	.129	.078	.040	.089	.054	.029	.052	.032	.017	.017	.010	.006	
7.0	.143	.083	.041	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005	
8.0	.137	.077	.036	.118	.067	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004	
9.0	.131	.072	.033	.113	.063	.028	.078	.044	.020	.045	.026	.012	.015	.009	.004	
10.0	.125	.068	.030	.108	.059	.026	.075	.041	.019	.044	.025	.011	.014	.008	.004	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
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Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

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Uncorrected UGR Table

Report number:

MANUFACTURER: SGSLIGHT LIMITED						Address:				
NAME: LED PANEL						TYPE:			WEIGHT:	
SPECIFICATION:TLP-F-6012W-72						DIMENSION: 596X1196X11MM SERIAL No.:				
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	19.1	20.6	19.3	20.8	21.0	19.0	20.6	19.3	20.8	21.0
3H	20.7	22.1	21.0	22.4	22.6	20.7	22.1	21.0	22.3	22.6
4H	21.4	22.8	21.8	23.0	23.3	21.4	22.7	21.7	23.0	23.3
6H	22.0	23.3	22.3	23.5	23.8	21.9	23.2	22.3	23.5	23.8
8H	22.2	23.4	22.6	23.7	24.1	22.2	23.4	22.5	23.7	24.0
12H	22.4	23.6	22.7	23.9	24.2	22.3	23.5	22.7	23.8	24.1
4H 2H	19.7	21.0	20.0	21.3	21.6	19.7	21.0	20.0	21.3	21.6
3H	21.6	22.7	21.9	23.0	23.4	21.5	22.7	21.9	23.0	23.3
4H	22.4	23.5	22.8	23.8	24.2	22.4	23.4	22.8	23.8	24.1
6H	23.1	24.1	23.5	24.4	24.8	23.1	24.0	23.5	24.4	24.8
8H	23.4	24.3	23.8	24.7	25.1	23.3	24.2	23.8	24.6	25.0
12H	23.6	24.4	24.0	24.8	25.2	23.6	24.4	24.0	24.8	25.2
8H 4H	22.7	23.6	23.2	24.0	24.4	22.7	23.6	23.1	24.0	24.4
6H	23.6	24.3	24.0	24.8	25.2	23.6	24.3	24.0	24.7	25.2
8H	24.0	24.6	24.4	25.1	25.5	23.9	24.6	24.4	25.0	25.5
12H	24.3	24.8	24.8	25.3	25.8	24.3	24.9	24.8	25.3	25.8
12H 4H	22.7	23.6	23.2	24.0	24.4	22.7	23.5	23.2	23.9	24.4
6H	23.7	24.3	24.1	24.8	25.2	23.6	24.3	24.1	24.7	25.2
8H	24.1	24.7	24.6	25.1	25.6	24.1	24.7	24.6	25.1	25.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 5918 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.2)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

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	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	82	74	68	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	85	77
4.00	106	100	95	103	98	94	99	94	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

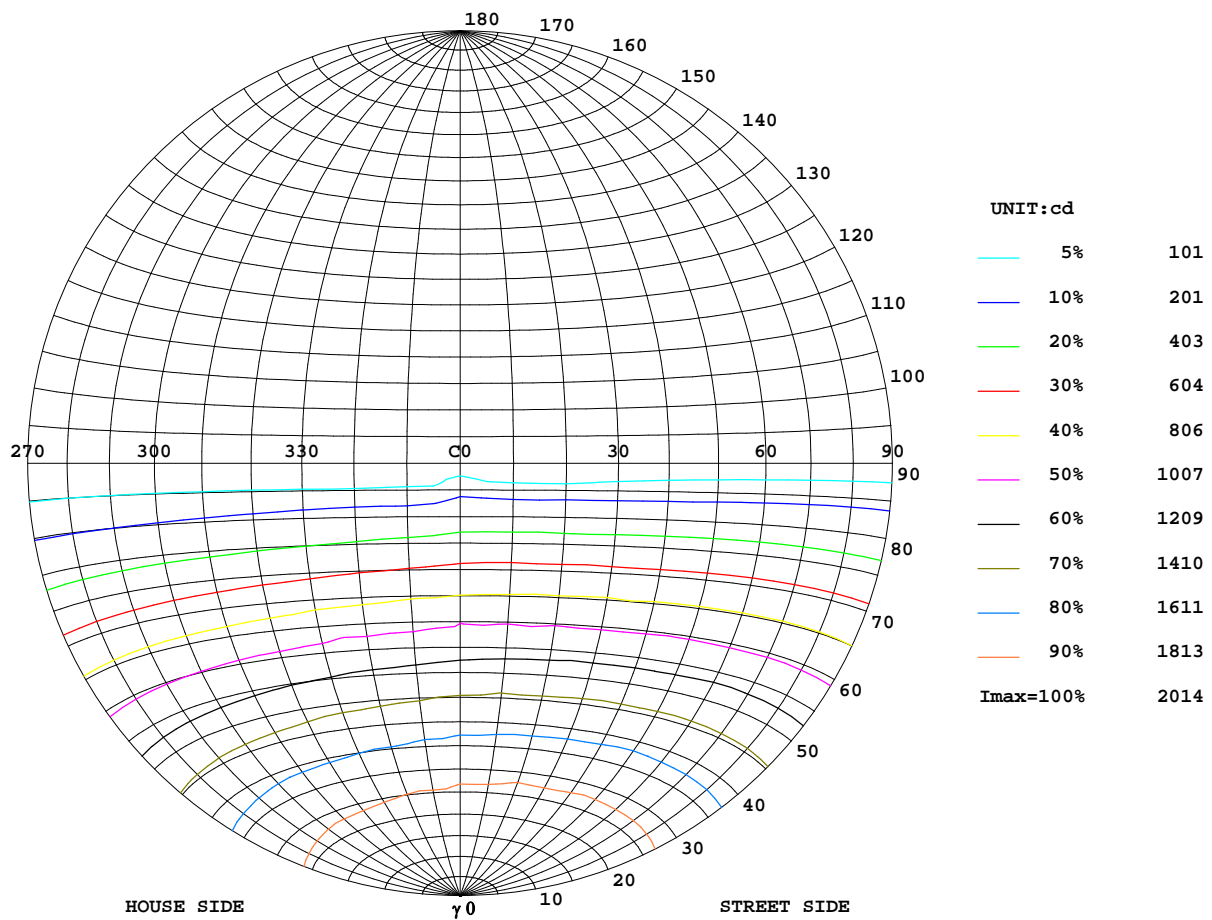
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

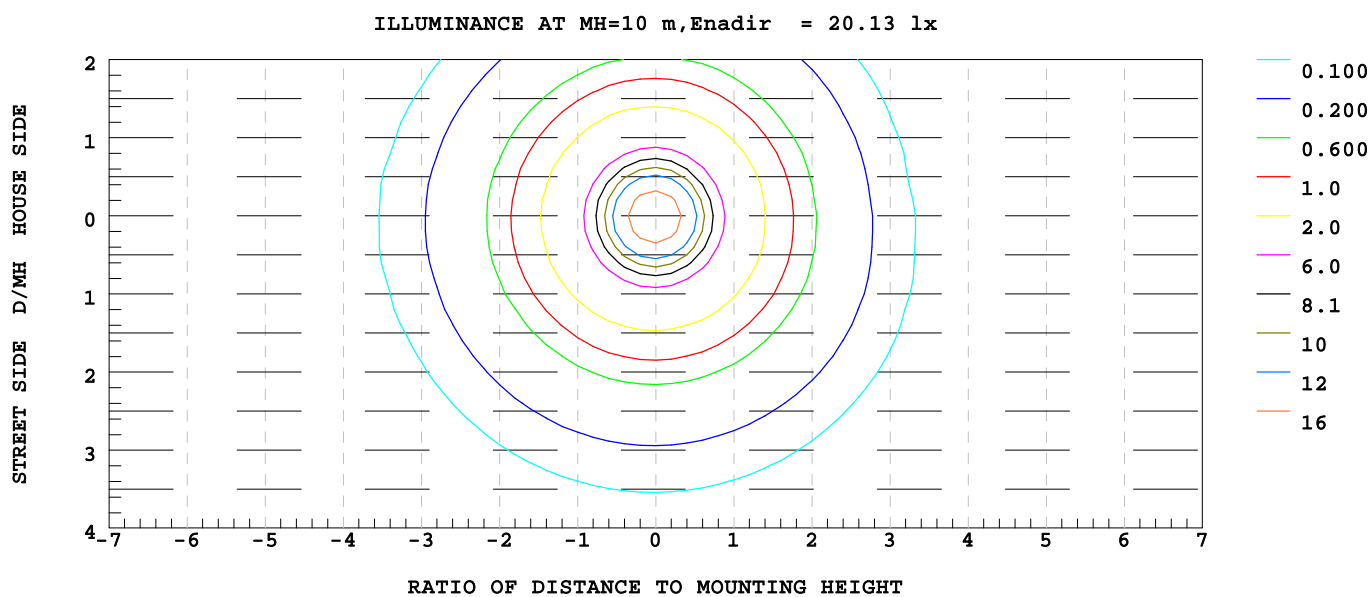
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

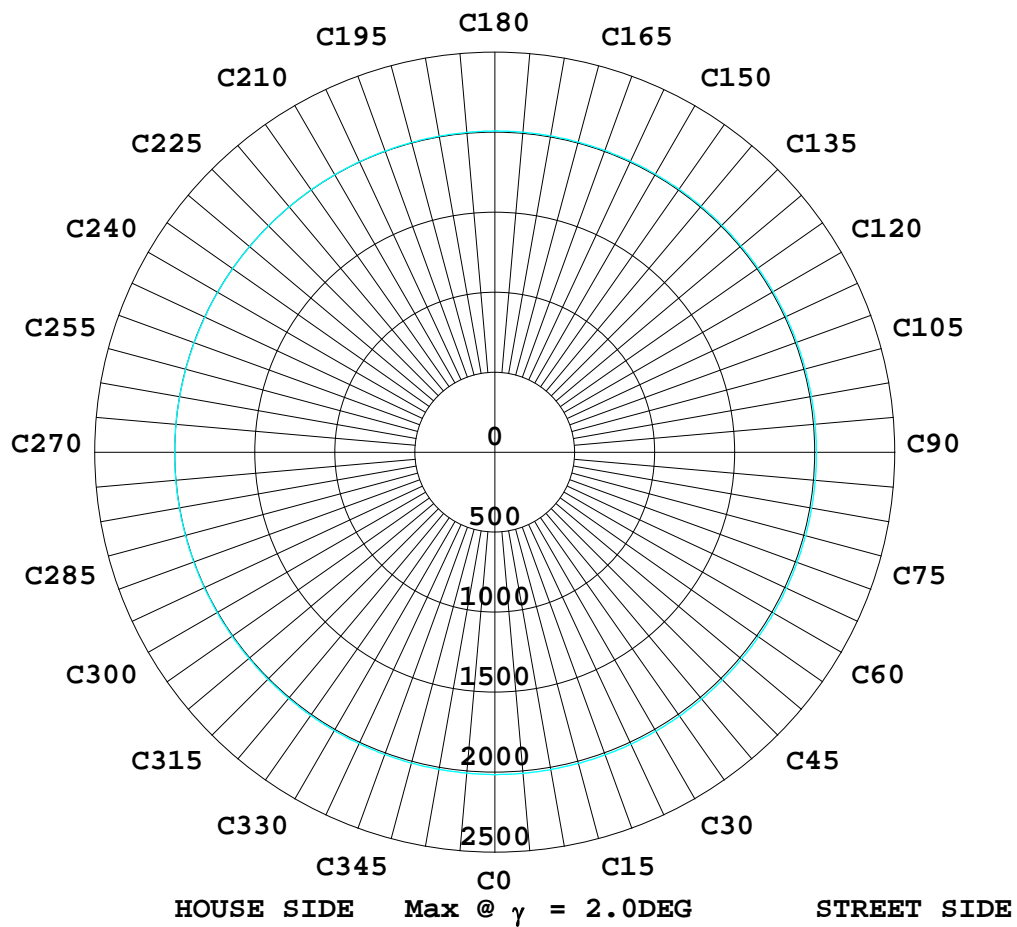
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

UNIT: cd

γ (DEG)	C(DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013
5.0	2012	2011	2011	2010	2010	2010	2009	2009	2009	2009	2009	2008	2008	2008	2008
10.0	1993	1992	1992	1992	1992	1993	1994	1994	1995	1996	1997	1998	2000	2001	2001
15.0	1959	1958	1957	1958	1959	1962	1966	1969	1972	1971	1969	1967	1964	1963	1962
20.0	1905	1905	1906	1909	1913	1918	1923	1919	1917	1915	1916	1915	1916	1917	1917
25.0	1840	1839	1841	1846	1854	1854	1851	1850	1851	1854	1857	1854	1852	1849	1848
30.0	1758	1757	1760	1767	1770	1767	1768	1771	1773	1771	1770	1770	1770	1771	1771
35.0	1658	1659	1665	1676	1670	1669	1676	1675	1673	1676	1680	1682	1678	1673	1670
40.0	1547	1547	1556	1558	1557	1562	1561	1562	1568	1569	1565	1563	1561	1559	1558
45.0	1420	1423	1437	1430	1433	1435	1437	1446	1440	1437	1435	1438	1437	1434	1431
50.0	1283	1286	1293	1291	1294	1298	1305	1298	1298	1300	1298	1296	1296	1296	1295
55.0	1131	1140	1141	1141	1146	1151	1147	1147	1147	1147	1149	1152	1151	1147	1144
60.0	1005	987	989	983	994	986	987	986	989	991	988	986	984	983	984
65.0	808	816	815	815	817	818	821	809	819	817	817	817	817	815	815
70.0	642	649	648	647	646	650	647	644	643	644	645	645	645	645	644
75.0	470	473	479	472	477	470	469	471	473	474	475	475	475	474	473
80.0	311	315	307	304	301	304	306	307	307	307	307	307	306	304	303
85.0	162	152	141	144	141	142	144	149	153	156	159	160	162	163	164
90.0	18.3	5.95	6.78	8.32	10.6	13.3	15.9	18.6	21.0	23.1	24.9	26.8	28.2	29.5	30.5
95.0	2.49	3.96	4.62	4.86	4.91	4.91	4.95	6.75	8.56	10.3	11.9	13.4	14.7	15.9	16.9
100.0	3.53	4.16	4.59	4.96	5.10	5.18	5.20	5.21	5.22	5.19	5.14	5.10	5.06	5.01	4.97
105.0	4.53	4.81	5.06	5.32	5.43	5.51	5.59	5.64	5.66	5.67	5.67	5.65	5.63	5.58	5.56
110.0	5.53	5.58	5.61	5.76	5.79	5.97	5.99	6.09	6.13	6.20	6.19	6.21	6.19	6.18	6.17
115.0	6.53	6.45	6.36	6.33	6.44	6.45	6.56	6.61	6.75	6.76	6.77	6.79	6.81	6.77	6.78
120.0	7.53	7.25	7.10	7.00	6.96	7.10	7.19	7.23	7.30	7.34	7.38	7.34	7.38	7.39	7.45
125.0	8.24	7.94	7.72	7.82	7.76	7.77	7.84	7.93	7.89	7.94	8.01	7.96	7.92	8.02	8.09
130.0	9.24	9.00	8.89	8.64	8.52	8.68	8.60	8.55	8.63	8.60	8.59	8.62	8.60	8.69	8.70
135.0	10.2	9.98	9.84	9.54	9.49	9.43	9.36	9.30	9.28	9.19	9.33	9.16	9.31	9.37	9.31
140.0	11.2	10.9	10.5	10.4	10.2	10.2	10.1	10.1	9.96	10.0	9.83	9.90	10.0	10.0	10.0
145.0	11.9	11.6	11.4	11.3	11.1	10.9	10.7	10.7	10.7	10.5	10.6	10.6	10.7	10.6	10.7
150.0	12.5	12.3	12.1	12.0	11.7	11.8	11.5	11.3	11.3	11.4	11.4	11.4	11.3	11.4	11.3
155.0	13.2	13.0	12.7	12.5	12.4	12.3	12.3	12.2	12.2	12.2	12.1	12.0	12.1	12.0	11.9
160.0	13.9	13.7	13.5	13.4	13.3	13.1	13.2	13.1	12.9	12.7	12.9	12.7	12.6	12.5	12.7
165.0	14.5	14.3	14.2	14.0	13.9	13.8	13.9	13.7	13.6	13.5	13.4	13.3	13.3	13.4	13.3
170.0	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	14.1	14.2	14.2	14.1	14.0	14.0	14.1
175.0	15.1	15.1	15.0	15.0	14.9	14.9	14.8	14.8	14.8	14.8	14.9	14.9	14.7	14.6	14.6
180.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013
5.0	2007	2007	2006	2006	2005	2004	2003	2002	2001	2000	2000	1999	1998	1997	1997
10.0	2001	2000	2000	1999	1997	1995	1993	1990	1987	1985	1981	1978	1976	1972	1969
15.0	1961	1959	1957	1956	1953	1951	1949	1948	1945	1943	1941	1939	1938	1937	1931
20.0	1917	1916	1915	1912	1910	1907	1904	1899	1894	1889	1884	1879	1875	1873	1871
25.0	1846	1843	1842	1839	1836	1833	1830	1826	1823	1820	1818	1815	1807	1799	1793
30.0	1770	1769	1768	1766	1761	1756	1751	1745	1739	1733	1727	1722	1719	1718	1707
35.0	1667	1665	1661	1659	1655	1651	1647	1643	1640	1637	1633	1623	1615	1609	1606
40.0	1558	1558	1554	1552	1548	1544	1539	1531	1525	1519	1513	1508	1505	1494	1486
45.0	1429	1427	1424	1421	1417	1413	1409	1404	1400	1398	1391	1382	1373	1367	1362
50.0	1296	1295	1293	1290	1285	1280	1275	1269	1261	1255	1249	1244	1243	1229	1219
55.0	1143	1138	1136	1133	1129	1126	1122	1118	1113	1110	1104	1095	1087	1082	1077
60.0	983	980	978	975	972	969	965	960	955	946	945	939	939	925	916
65.0	814	812	809	807	804	802	799	795	791	787	788	780	772	764	758
70.0	643	642	640	638	636	634	631	628	625	622	619	614	610	605	597
75.0	473	472	470	470	468	467	465	463	461	458	455	451	445	442	437
80.0	302	301	301	301	300	300	300	300	300	299	298	297	294	290	284
85.0	166	166	166	165	165	164	163	162	161	159	158	156	153	150	147
90.0	31.2	31.2	30.8	29.9	29.6	29.2	28.6	27.9	27.1	26.2	25.3	24.1	23.0	21.8	20.4
95.0	17.5	17.8	17.8	17.4	17.1	16.8	16.3	15.6	14.8	13.8	12.7	11.5	10.1	8.53	6.73
100.0	4.91	4.89	4.87	4.83	4.83	4.81	4.83	4.87	4.92	4.95	5.03	5.12	5.20	5.33	5.50
105.0	5.53	5.52	5.52	5.49	5.50	5.51	5.54	5.60	5.67	5.73	5.82	5.94	6.09	6.25	6.50
110.0	6.15	6.15	6.17	6.16	6.18	6.20	6.25	6.32	6.42	6.50	6.60	6.79	6.95	7.14	7.47
115.0	6.80	6.78	6.81	6.82	6.87	6.87	6.95	7.04	7.15	7.26	7.42	7.58	7.81	8.12	8.30
120.0	7.47	7.41	7.46	7.49	7.56	7.54	7.65	7.75	7.88	8.01	8.20	8.34	8.54	8.88	9.22
125.0	8.11	8.04	8.11	8.16	8.27	8.21	8.35	8.45	8.59	8.74	8.94	9.09	9.37	9.58	9.95
130.0	8.74	8.71	8.77	8.82	8.94	8.93	8.99	9.15	9.29	9.47	9.69	9.91	10.0	10.4	10.6
135.0	9.36	9.43	9.45	9.49	9.58	9.69	9.67	9.84	9.98	10.1	10.3	10.5	10.8	11.0	11.4
140.0	9.99	10.0	10.1	10.1	10.2	10.2	10.3	10.5	10.6	10.8	11.0	11.2	11.5	11.8	12.0
145.0	10.6	10.7	10.8	10.8	10.8	10.8	10.9	11.0	11.3	11.4	11.6	11.9	12.1	12.4	12.7
150.0	11.3	11.3	11.4	11.4	11.6	11.5	11.7	11.8	11.9	12.1	12.3	12.5	12.7	12.9	13.2
155.0	12.0	12.0	12.0	12.1	12.3	12.3	12.3	12.3	12.5	12.7	12.9	13.0	13.2	13.4	13.7
160.0	12.6	12.7	12.6	12.8	13.0	12.9	12.9	13.1	13.0	13.3	13.3	13.6	13.7	13.9	14.1
165.0	13.3	13.4	13.4	13.4	13.7	13.6	13.7	13.6	13.7	13.9	13.8	14.0	14.1	14.2	14.5
170.0	14.0	13.9	14.1	14.1	14.4	14.4	14.3	14.3	14.5	14.3	14.3	14.5	14.8	14.7	14.7
175.0	14.7	14.8	14.8	14.8	14.9	15.1	15.1	15.1	15.1	15.0	14.9	15.0	15.1	15.3	15.3
180.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

UNIT: cd

C(DEG)\ γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013
5.0	1997	1997	1997	1997	1998	1998	1999	1997	1994	1992	1990	1988	1986	1985	1984
10.0	1967	1965	1963	1962	1962	1963	1964	1959	1955	1952	1949	1947	1946	1945	1945
15.0	1925	1920	1917	1914	1913	1913	1914	1908	1902	1898	1896	1894	1894	1894	1895
20.0	1871	1864	1856	1851	1849	1848	1850	1841	1834	1830	1828	1829	1830	1824	1821
25.0	1789	1787	1782	1774	1769	1767	1769	1758	1751	1747	1747	1744	1739	1736	1736
30.0	1699	1694	1691	1682	1674	1672	1674	1661	1653	1650	1649	1643	1640	1641	1643
35.0	1602	1590	1582	1578	1568	1562	1563	1549	1542	1541	1534	1532	1534	1529	1524
40.0	1480	1477	1463	1456	1449	1440	1443	1426	1420	1415	1410	1412	1405	1401	1400
45.0	1350	1343	1339	1323	1317	1306	1306	1290	1285	1278	1279	1272	1268	1269	1265
50.0	1211	1199	1194	1184	1172	1163	1163	1146	1139	1134	1131	1123	1122	1121	1122
55.0	1061	1053	1044	1039	1019	1015	1006	1008	987	985	975	980	969	974	969
60.0	911	898	885	873	851	850	846	830	819	817	814	816	803	809	806
65.0	745	740	727	712	709	683	686	661	667	654	655	655	648	647	647
70.0	586	576	568	552	537	522	519	498	494	494	494	488	489	492	492
75.0	431	422	407	398	377	370	360	345	329	334	331	339	340	338	335
80.0	278	272	266	253	240	218	208	178	179	183	192	193	194	197	199
85.0	142	136	128	118	111	90.5	45.9	46.4	56.0	62.4	71.2	74.9	77.2	83.1	86.4
90.0	18.8	16.5	13.4	10.2	8.32	7.99	7.12	4.16	4.16	4.20	4.24	4.33	4.33	4.45	4.49
95.0	4.68	4.74	5.01	5.53	6.55	9.00	14.1	8.39	6.10	5.30	4.88	4.78	4.78	4.93	5.01
100.0	5.75	6.06	6.60	7.48	8.85	11.4	13.2	10.1	8.15	6.84	6.13	5.82	5.71	5.72	5.72
105.0	6.84	7.32	7.94	8.84	10.3	12.4	12.7	11.0	9.12	7.79	7.20	6.79	6.65	6.50	6.46
110.0	7.87	8.42	8.98	9.94	11.1	12.6	12.1	10.6	9.54	8.73	8.18	7.70	7.51	7.38	7.23
115.0	8.78	9.31	10.0	10.8	11.7	12.9	11.9	11.1	10.1	9.42	8.91	8.58	8.22	8.11	8.01
120.0	9.54	10.1	10.7	11.5	12.4	13.3	12.1	11.4	10.7	10.2	9.74	9.24	9.18	8.98	8.79
125.0	10.4	10.7	11.4	12.0	12.8	13.7	12.6	11.9	11.3	10.6	10.5	10.0	9.98	9.75	9.41
130.0	11.1	11.7	11.9	12.5	13.1	13.9	13.1	12.6	12.2	11.4	11.2	10.9	10.7	10.3	10.0
135.0	11.6	12.2	12.6	13.1	13.9	14.4	13.8	13.3	12.8	12.2	12.0	11.6	11.2	10.9	10.8
140.0	12.3	12.8	13.2	13.4	14.0	14.7	14.2	13.7	13.2	12.8	12.5	12.0	12.0	11.7	11.3
145.0	13.0	13.3	13.6	14.0	14.4	14.9	14.5	14.1	13.8	13.5	13.1	12.8	12.4	11.9	11.9
150.0	13.4	13.8	14.2	14.5	14.9	15.3	14.8	14.4	13.9	13.5	13.2	13.2	12.9	12.4	12.3
155.0	13.9	14.2	14.5	14.8	14.9	15.1	14.8	14.5	14.1	13.7	13.6	13.4	13.0	12.8	12.6
160.0	14.3	14.5	14.8	15.0	15.2	15.5	14.5	14.3	14.1	13.9	13.7	13.5	13.1	13.1	13.0
165.0	14.7	14.8	15.0	15.2	15.4	15.5	14.6	14.4	14.3	14.1	14.0	13.8	13.7	13.5	13.4
170.0	14.8	14.9	15.1	15.3	15.4	15.6	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.9
175.0	15.3	15.3	15.3	15.3	15.4	15.4	14.6	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9
180.0	15.4	15.4	15.4	15.4	15.4	15.4	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

UNIT: cd

γ (DEG)	C (DEG)															
	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	
0.0	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	
5.0	1983	1983	1983	1982	1983	1983	1983	1983	1983	1984	1985	1986	1986	1987	1988	1989
10.0	1946	1947	1948	1949	1950	1951	1953	1954	1955	1957	1958	1960	1961	1962	1963	
15.0	1894	1892	1890	1891	1891	1891	1892	1893	1894	1897	1898	1901	1904	1907	1910	
20.0	1819	1819	1819	1821	1823	1826	1828	1831	1833	1836	1838	1841	1843	1846	1849	
25.0	1738	1741	1738	1738	1736	1737	1739	1741	1743	1746	1750	1753	1758	1763	1767	
30.0	1638	1635	1635	1636	1639	1641	1645	1650	1653	1657	1660	1664	1668	1671	1675	
35.0	1523	1524	1527	1528	1527	1528	1530	1533	1536	1540	1543	1548	1554	1560	1567	
40.0	1404	1400	1400	1401	1404	1407	1411	1415	1418	1423	1426	1430	1435	1439	1445	
45.0	1265	1267	1270	1270	1269	1269	1271	1273	1276	1280	1285	1290	1296	1303	1311	
50.0	1128	1122	1119	1118	1119	1122	1125	1129	1133	1137	1143	1147	1153	1158	1165	
55.0	966	966	968	966	966	969	971	974	978	982	987	992	997	1004	1012	
60.0	808	807	808	809	811	813	816	819	822	826	830	834	839	845	851	
65.0	648	649	651	650	650	650	651	653	656	659	663	668	673	679	686	
70.0	491	488	487	486	485	485	486	487	489	492	496	501	506	512	519	
75.0	332	332	333	334	336	336	338	339	341	343	346	349	353	357	362	
80.0	199	198	197	196	195	194	192	192	192	194	196	198	202	206	210	
85.0	88.8	90.8	92.2	93.6	94.7	95.6	96.4	97.2	97.9	98.7	99.5	100	101	102	102	
90.0	4.41	4.33	4.20	4.12	4.08	4.03	4.03	3.99	4.03	3.99	3.99	3.99	3.99	4.03	4.03	
95.0	4.97	4.90	4.81	4.72	4.70	4.68	4.68	4.65	4.68	4.66	4.66	4.67	4.68	4.72	4.72	
100.0	5.63	5.53	5.43	5.36	5.34	5.32	5.32	5.30	5.33	5.33	5.33	5.34	5.36	5.38	5.37	
105.0	6.36	6.24	6.14	6.04	6.00	5.93	5.93	5.89	5.91	5.87	5.87	5.85	5.85	5.84	5.82	
110.0	7.14	6.95	6.84	6.69	6.63	6.54	6.53	6.48	6.49	6.41	6.42	6.38	6.34	6.30	6.27	
115.0	7.83	7.63	7.53	7.41	7.27	7.15	7.12	7.07	7.05	6.95	6.96	6.92	6.84	6.76	6.75	
120.0	8.51	8.42	8.19	8.06	7.87	7.72	7.72	7.66	7.61	7.49	7.50	7.45	7.33	7.28	7.22	
125.0	9.19	9.07	8.76	8.63	8.47	8.34	8.31	8.25	8.16	8.03	8.04	7.97	7.89	7.77	7.63	
130.0	9.97	9.64	9.51	9.27	9.07	8.98	8.90	8.88	8.71	8.57	8.58	8.49	8.42	8.34	8.19	
135.0	10.5	10.3	9.99	9.80	9.58	9.57	9.48	9.56	9.27	9.11	9.13	9.01	8.92	8.85	8.73	
140.0	11.1	10.8	10.5	10.3	10.2	10.1	10.0	10.1	9.83	9.66	9.67	9.53	9.49	9.38	9.28	
145.0	11.5	11.2	11.0	10.8	10.8	10.7	10.6	10.7	10.4	10.2	10.2	10.1	10.1	9.99	9.88	
150.0	11.9	11.7	11.4	11.5	11.3	11.2	11.3	11.2	10.9	10.7	10.7	10.7	10.6	10.5	10.5	
155.0	12.3	12.2	12.1	12.0	11.9	11.8	12.0	11.5	11.5	11.2	11.2	11.3	11.1	11.1	11.0	
160.0	12.9	12.7	12.6	12.5	12.4	12.6	12.4	12.1	12.0	11.8	11.8	11.8	11.8	11.6	11.7	
165.0	13.3	13.2	13.1	13.2	13.3	13.0	12.6	12.6	12.6	12.3	12.3	12.3	12.4	12.4	12.2	
170.0	14.0	14.0	13.8	13.6	13.3	13.2	13.2	13.2	13.1	12.9	12.9	12.9	12.9	12.9	13.0	
175.0	13.9	13.8	13.8	13.8	13.8	13.7	13.7	13.7	13.5	13.4	13.4	13.4	13.4	13.4	13.5	
180.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-6012W-72	DIMENSION: 596X1196X11MM SERIAL No.:	

UNIT: cd

C(DEG)\ γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013	2013
5.0	1990	1992	1993	1994	1996	1997	1999	2001	2003	2005	2007	2009
10.0	1964	1965	1967	1968	1969	1971	1973	1975	1978	1981	1985	1989
15.0	1914	1918	1922	1928	1934	1934	1936	1937	1939	1943	1947	1952
20.0	1850	1854	1858	1862	1868	1875	1883	1885	1887	1889	1893	1898
25.0	1773	1780	1787	1789	1793	1798	1805	1815	1821	1821	1824	1830
30.0	1679	1684	1691	1697	1707	1711	1715	1723	1734	1739	1741	1747
35.0	1575	1585	1588	1593	1598	1608	1618	1619	1629	1643	1644	1648
40.0	1451	1458	1467	1478	1485	1489	1497	1508	1513	1524	1532	1536
45.0	1320	1329	1333	1342	1353	1367	1369	1378	1386	1395	1412	1410
50.0	1172	1179	1190	1201	1208	1218	1233	1239	1246	1255	1268	1273
55.0	1020	1029	1036	1044	1054	1064	1076	1090	1097	1104	1116	1126
60.0	857	865	874	885	893	904	917	926	943	956	957	973
65.0	693	700	707	716	728	740	749	759	766	789	791	796
70.0	525	533	541	549	557	567	580	593	601	613	625	638
75.0	366	372	377	385	393	401	409	419	432	438	457	465
80.0	216	221	227	234	240	246	252	258	260	268	275	298
85.0	103	104	104	105	106	106	106	109	113	119	119	126
90.0	4.03	4.08	4.12	4.16	4.28	4.28	4.33	4.41	4.58	4.78	4.99	5.24
95.0	4.75	4.81	4.88	4.95	5.07	5.09	5.13	4.95	4.75	4.51	4.14	3.12
100.0	5.39	5.41	5.43	5.43	5.44	5.31	5.14	4.91	4.66	4.34	3.68	3.09
105.0	5.80	5.77	5.75	5.73	5.66	5.52	5.24	4.98	4.60	4.14	3.96	3.36
110.0	6.24	6.19	6.11	6.03	5.93	5.81	5.44	5.11	4.88	4.39	4.20	3.56
115.0	6.66	6.59	6.47	6.37	6.26	6.06	5.87	5.48	5.09	4.86	4.48	4.10
120.0	7.16	7.07	6.89	6.77	6.67	6.58	6.21	6.07	5.63	5.40	5.02	4.84
125.0	7.67	7.57	7.44	7.25	7.15	6.98	6.92	6.56	6.56	6.27	5.92	5.82
130.0	8.19	8.10	7.95	7.91	7.60	7.56	7.42	7.29	7.20	6.97	6.76	7.07
135.0	8.58	8.67	8.47	8.45	8.40	8.13	8.01	7.93	7.92	7.99	7.91	8.10
140.0	9.17	9.21	9.14	8.98	8.94	8.90	8.70	8.65	8.71	8.67	8.79	8.81
145.0	9.79	9.67	9.75	9.75	9.68	9.63	9.58	9.52	9.69	9.54	9.54	9.74
150.0	10.4	10.3	10.2	10.1	10.3	10.3	10.3	10.2	10.4	10.3	10.5	10.7
155.0	11.0	10.9	10.9	10.8	10.8	10.7	11.0	11.1	11.1	11.3	11.3	11.4
160.0	11.6	11.6	11.5	11.6	11.6	11.5	11.6	11.5	11.7	11.7	11.7	11.8
165.0	12.2	12.3	12.2	12.2	12.3	12.3	12.2	12.3	12.4	12.6	12.7	12.8
170.0	13.0	12.8	12.8	12.9	12.9	13.0	13.1	13.1	13.1	13.1	13.2	13.2
175.0	13.5	13.5	13.5	13.6	13.6	13.6	13.7	13.7	13.8	13.8	13.8	13.9
180.0	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-15

Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks: