

LUMINAIRE PHOTOMETRIC TEST REPORT

LAMP PHOTOMETRIC REPORT

MODEL: TLP-F-3060N-40

POWER: 40W

VOLTAGE: 230V

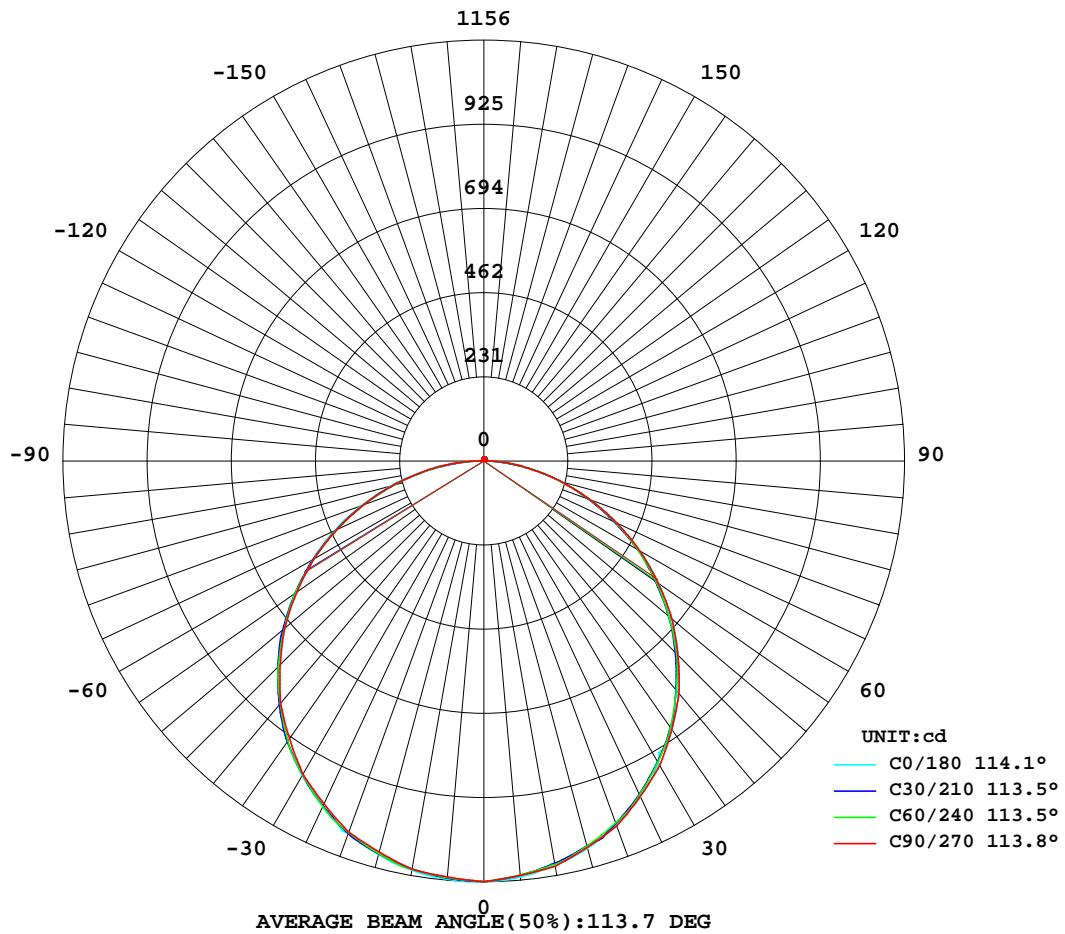
WORKING VOLTAGE: 219.5V

MANUFACTURER: SGSLIGHT LIMITED

TOTAL FLUX: 3405.6 lm

Efficiency: 83.655 lm/W

Test: U: 229.0V I: 0.186A P: 40.70W PF: 0.944



Test System:HOPPO HPG1900
Temperature:25.3DEG
Operators:TOM CHEN
Test Date:2015-04-21

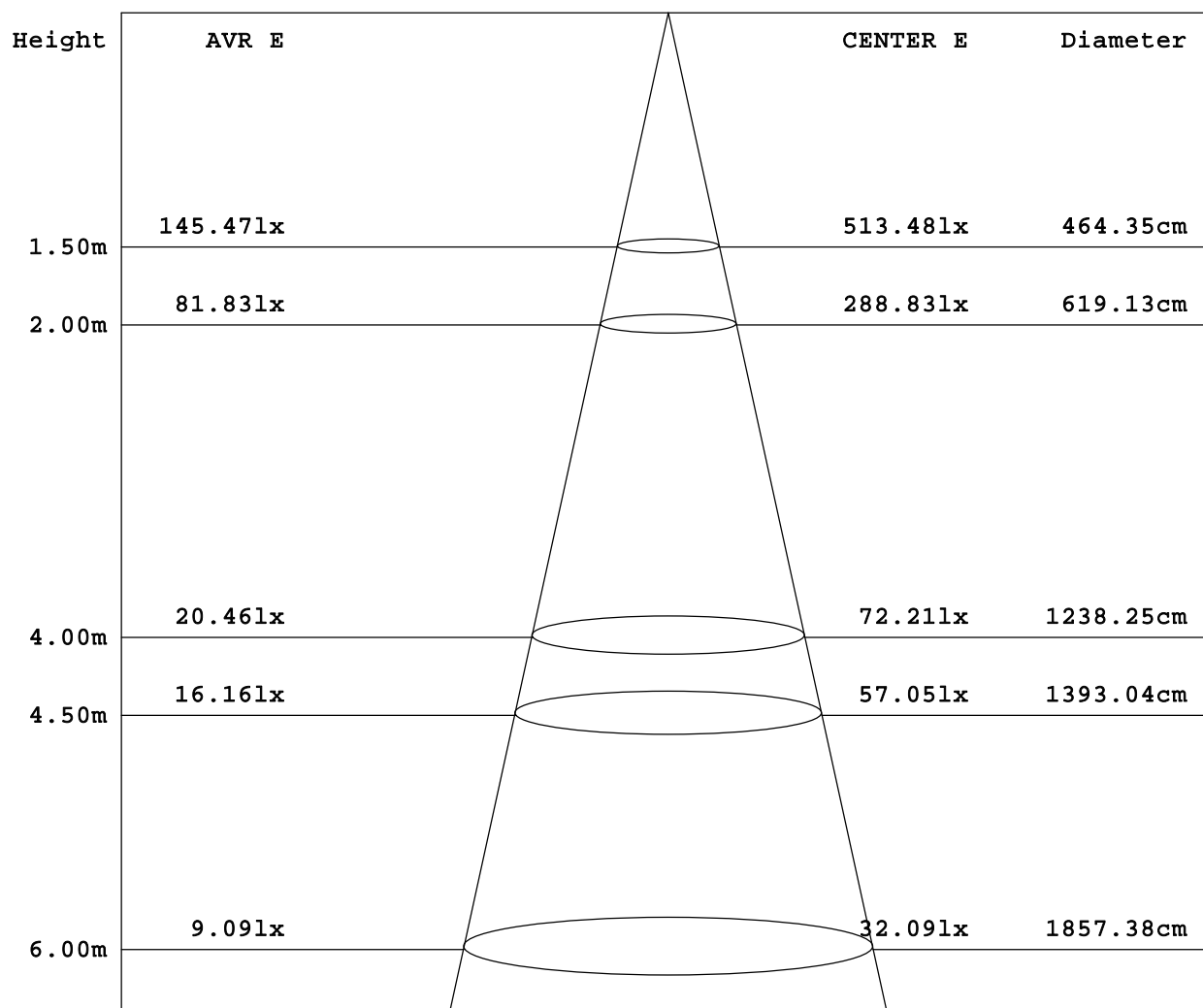
Test Set: 7.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:7.000 m
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:



Angle:114.3deg

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40		DIMENSION: 296X596X11MM	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1153	1149	1147	1145	1147	1141	1143	1146	0- 5	27.48	27.48
10.0	1141	1138	1139	1129	1129	1123	1130	1132	5- 10	81.46	108.9
15.0	1119	1119	1112	1106	1101	1097	1099	1111	10- 15	132.7	241.7
20.0	1089	1085	1085	1069	1063	1058	1067	1074	15- 20	179.6	421.3
25.0	1047	1048	1039	1028	1018	1012	1017	1033	20- 25	220.5	641.9
30.0	998.1	998.0	993.7	975.2	960.8	955.5	966.3	980.6	25- 30	253.8	895.8
35.0	940.0	938.8	931.2	914.7	901.1	890.5	900.0	919.4	30- 35	278.8	1175
40.0	873.2	875.4	868.7	850.8	830.2	822.5	833.7	854.3	35- 40	294.6	1469
45.0	800.7	798.8	791.4	775.1	754.6	744.1	754.0	775.6	40- 45	300.6	1770
50.0	718.9	720.4	714.2	699.4	673.8	665.7	674.3	695.8	45- 50	296.5	2066
55.0	635.1	631.3	626.7	612.3	585.5	575.8	584.8	606.7	50- 55	282.8	2349
60.0	544.4	542.4	539.1	525.6	496.0	486.9	495.3	517.9	55- 60	259.8	2609
65.0	451.9	445.8	444.2	435.3	401.9	396.3	402.9	420.6	60- 65	229.0	2838
70.0	356.7	349.8	349.3	345.0	311.3	306.7	310.6	326.4	65- 70	191.4	3030
75.0	265.2	253.9	258.1	254.3	219.3	217.9	221.6	235.1	70- 75	149.4	3179
80.0	173.3	163.2	166.8	168.7	134.3	134.5	132.7	144.5	75- 80	105.0	3284
85.0	88.49	80.25	88.21	87.16	50.93	62.37	67.79	65.85	80- 85	60.88	3345
90.0	6.688	3.554	9.541	8.091	5.893	3.086	2.853	2.993	85- 90	20.75	3366
95.0	2.666	3.362	6.454	4.591	9.167	3.391	3.274	3.386	90- 95	2.440	3368
100.0	3.086	3.533	3.367	3.468	8.091	3.850	3.695	3.779	95-100	2.089	3370
105.0	4.209	3.978	3.882	4.039	7.717	4.405	4.209	4.204	100-105	2.165	3372
110.0	4.630	4.483	4.396	4.613	7.483	4.954	4.724	4.602	105-110	2.380	3375
115.0	5.378	5.016	4.911	5.159	7.577	5.431	5.238	5.087	110-115	2.572	3377
120.0	6.173	5.404	5.425	5.778	8.091	6.015	5.753	5.605	115-120	2.727	3380
125.0	6.594	5.919	5.940	6.265	8.606	6.640	6.267	6.037	120-125	2.850	3383
130.0	7.717	6.491	6.454	6.911	9.073	7.145	6.782	6.585	125-130	2.920	3386
135.0	8.138	7.087	6.969	7.412	9.869	7.786	7.296	7.158	130-135	2.942	3389
140.0	9.260	7.703	7.483	7.840	9.915	8.037	7.811	7.575	135-140	2.898	3392
145.0	9.307	8.107	7.998	8.483	10.66	8.667	8.325	8.184	140-145	2.791	3394
150.0	10.05	8.503	8.512	8.950	11.08	9.134	8.840	9.054	145-150	2.620	3397
155.0	10.43	9.144	9.027	9.534	11.45	9.760	9.354	9.565	150-155	2.378	3399
160.0	10.47	9.807	9.541	9.762	11.50	10.13	9.869	10.13	155-160	2.075	3402
165.0	11.22	10.17	10.05	10.44	11.55	10.82	10.38	10.49	160-165	1.710	3403
170.0	11.22	10.86	10.57	10.82	11.92	11.19	10.89	11.19	165-170	1.286	3405
175.0	11.59	11.23	11.08	11.23	11.92	11.72	11.41	11.56	170-175	0.807	3405
180.0	11.59	11.59	11.59	11.59	11.92	11.92	11.92	11.92	175-180	0.278	3406
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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

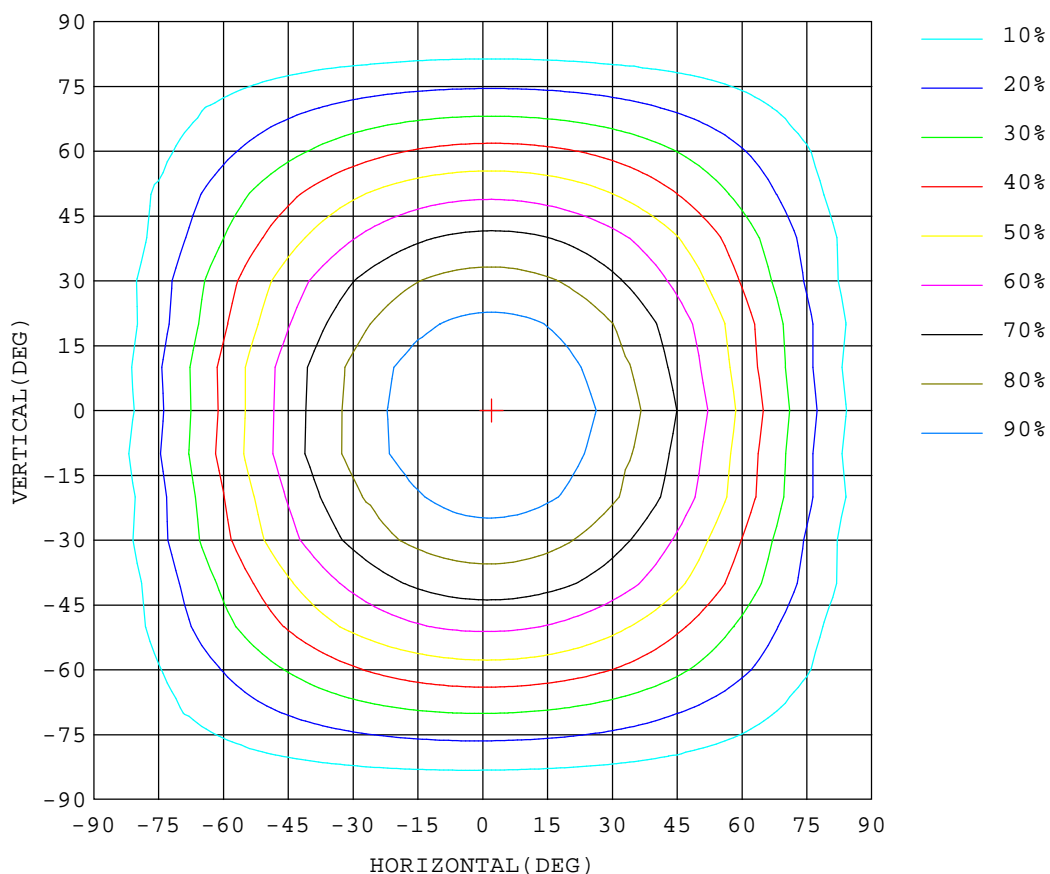
LUMINAIRE PHOTOMETRIC TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:

UNIT: cd



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

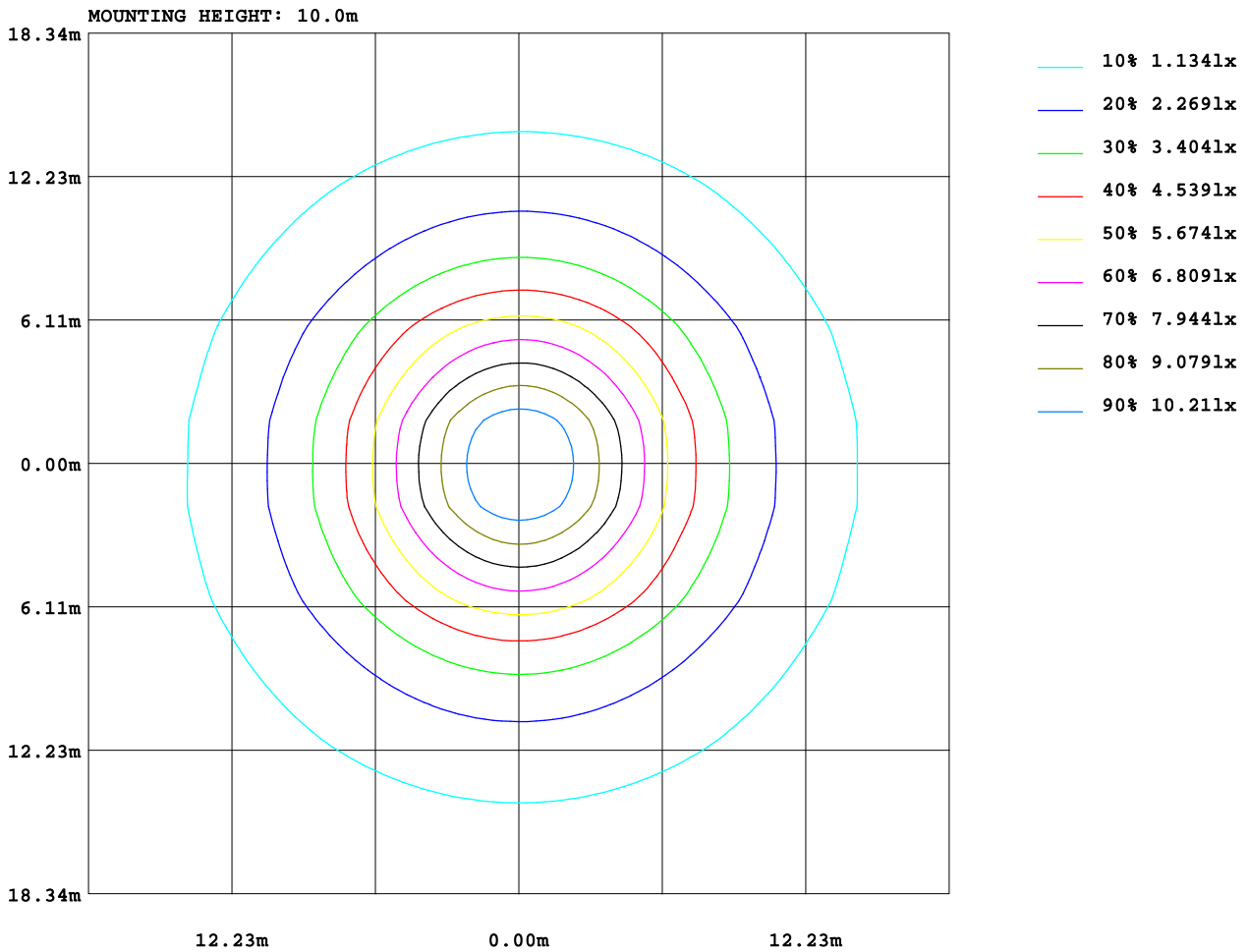
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:



Test System:HOPPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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

LUMINAIRE PHOTOMETRIC TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm	Φ t	Φ a
	0.01	0.02	0.04	0.05	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.05	0.04	0.02	0.01	0.92	0.92
90	0.01	0.02	0.04	0.05	0.06	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.05	0.04	0.02	0.01	0.92	0.92
80	0.02	0.25	0.83	1.70	2.73	3.86	4.81	5.54	5.93	5.97	5.63	4.96	4.04	2.95	1.92	1.02	0.37	0.05	52.6	52.6
70	0.05	0.61	1.84	3.57	5.62	7.73	9.68	11.1	12.0	12.0	11.3	9.98	8.10	5.99	3.90	2.10	0.77	0.10	107	107
60	0.07	0.85	2.55	5.04	8.05	11.2	14.1	16.3	17.6	17.7	16.7	14.7	11.9	8.80	5.71	3.06	1.17	0.17	156	156
50	0.13	1.22	3.46	6.75	10.7	14.8	18.5	21.3	22.9	23.0	21.6	19.0	15.3	11.2	7.24	3.83	1.42	0.19	203	203
40	0.12	1.30	3.94	7.84	12.5	17.4	21.9	25.4	27.3	27.6	26.0	22.9	18.6	13.7	8.95	4.78	1.80	0.29	243	243
30	0.20	1.67	4.75	9.26	14.6	20.1	25.1	28.9	31.0	31.2	29.3	25.6	20.7	15.2	9.79	5.16	1.89	0.26	275	275
20	0.15	1.61	4.84	9.63	15.4	21.4	26.8	31.1	33.5	33.8	31.9	28.1	22.8	16.9	11.0	5.88	2.20	0.35	298	298
10	0.24	1.90	5.43	10.5	16.5	22.8	28.4	32.7	34.9	35.0	32.9	28.8	23.2	17.1	11.0	5.78	2.11	0.28	310	310
0	0.17	1.71	5.09	10.1	16.1	22.3	28.0	32.4	35.0	35.3	33.3	29.4	23.9	17.6	11.5	6.14	2.30	0.36	311	311
-10	0.25	1.87	5.33	10.3	16.2	22.3	27.7	31.8	34.0	34.1	32.0	27.9	22.5	16.6	10.6	5.59	2.03	0.27	302	302
-20	0.15	1.57	4.64	9.18	14.6	20.3	25.4	29.4	31.7	32.0	30.2	26.6	21.7	16.0	10.3	5.54	2.07	0.33	282	282
-30	0.21	1.61	4.51	8.69	13.6	18.7	23.3	26.7	28.5	28.6	26.7	23.4	18.8	13.7	8.81	4.61	1.67	0.21	253	253
-40	0.12	1.23	3.57	7.01	11.1	15.5	19.4	22.4	24.1	24.3	22.9	20.2	16.4	12.0	7.82	4.15	1.55	0.25	215	215
-50	0.14	1.14	3.10	5.90	9.22	12.6	15.6	17.9	19.2	19.1	17.9	15.6	12.5	9.13	5.81	3.03	1.09	0.13	170	170
-60	0.07	0.74	2.10	4.03	6.33	8.73	10.9	12.6	13.5	13.6	12.8	11.2	9.09	6.67	4.30	2.29	0.85	0.11	120	120
-70	0.05	0.52	1.40	2.56	3.88	5.22	6.39	7.26	7.69	7.63	7.09	6.14	4.91	3.57	2.27	1.17	0.38	0.03	68.2	68.2
-80	0.02	0.17	0.45	0.84	1.26	1.65	1.97	2.20	2.31	2.28	2.12	1.85	1.49	1.07	0.64	0.30	0.09	0.01	20.7	20.7
-90	0.02	0.17	0.45	0.84	1.26	1.65	1.97	2.20	2.31	2.28	2.12	1.85	1.49	1.07	0.64	0.30	0.09	0.01	20.7	20.7
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	2.17	20.0	57.9	113	179	247	309	356	382	384	361	317	257	189	122	64.5	23.8	3.38	3406	
Φ a	2.17	20.0	57.9	113	179	247	309	356	382	384	361	317	257	189	122	64.5	23.8	3.38		3406

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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

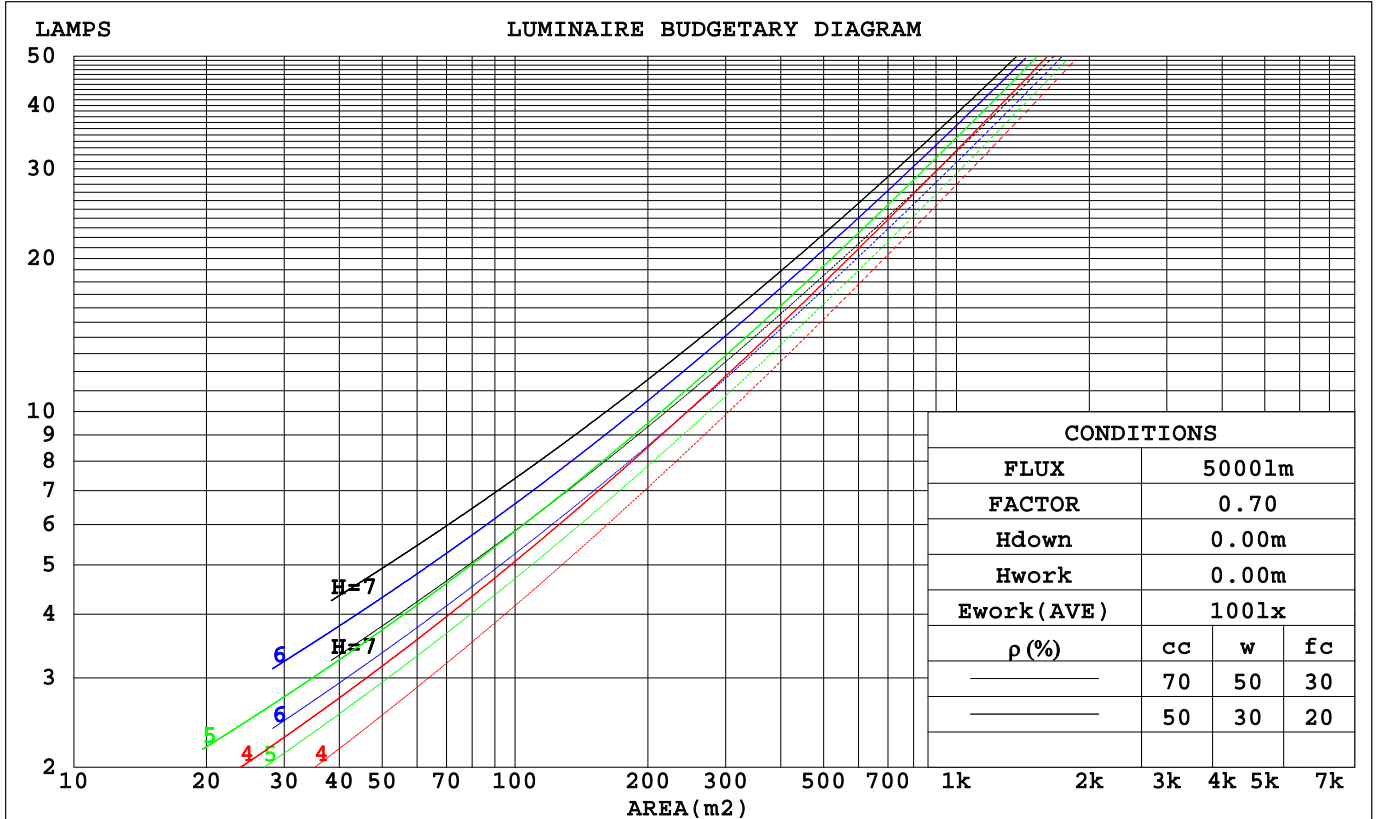
LUMINAIRE PHOTOMETRIC TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED				Address:							
NAME: LED PANEL				TYPE:				WEIGHT:			
SPECIFICATION:TLP-F-3060N-40				DIMENSION: 296X596X11MM				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	1.10	1.10	1.10	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	.89	.87	.88	.86	.84	.82														
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68														
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57														
4.0	.69	.61	.54	.68	.60	.53	.65	.58	.52	.63	.57	.52	.61	.55	.51	.48														
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42														
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.36														
7.0	.51	.42	.35	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32														
8.0	.46	.37	.32	.45	.37	.31	.44	.36	.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	.25	.36	.30	.25	.35	.29	.25	.23														



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40	DIMENSION: 296X596X11MM	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	.318	.181	.057	.311	.177	.056	.297	.170	.054	.284	.164	.053	.272	.158	.051	
2.0	.297	.163	.050	.290	.160	.049	.278	.155	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.146	.044	.268	.143	.043	.257	.139	.042	.247	.135	.041	.237	.131	.041	
4.0	.252	.131	.038	.246	.129	.038	.237	.126	.037	.228	.122	.037	.219	.119	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.211	.111	.033	.203	.109	.033	
6.0	.215	.108	.031	.211	.107	.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	.187	.091	.026	.183	.090	.026	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.162	.078	.022	.156	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.190	.165	.143	.162	.142	.123	.111	.097	.085	.064	.056	.049	.020	.018	.016	
2.0	.182	.141	.106	.156	.121	.092	.107	.084	.064	.062	.049	.038	.020	.016	.012	
3.0	.174	.123	.083	.149	.106	.072	.103	.074	.050	.059	.043	.030	.019	.014	.010	
4.0	.167	.110	.067	.143	.095	.058	.098	.066	.041	.057	.039	.024	.018	.013	.008	
5.0	.159	.100	.056	.137	.086	.049	.094	.060	.034	.055	.035	.020	.018	.012	.007	
6.0	.152	.092	.048	.131	.079	.042	.090	.055	.030	.052	.033	.018	.017	.011	.006	
7.0	.145	.085	.042	.125	.073	.037	.086	.051	.026	.050	.030	.016	.016	.010	.005	
8.0	.139	.079	.038	.119	.068	.033	.083	.048	.023	.048	.028	.014	.016	.009	.005	
9.0	.132	.074	.034	.114	.064	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	
10.0	.127	.070	.032	.109	.060	.028	.076	.043	.020	.044	.025	.012	.014	.008	.004	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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

LUMINAIRE PHOTOMETRIC TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER: SGSLIGHT LIMITED					Address:					
NAME: LED PANEL					TYPE:			WEIGHT:		
SPECIFICATION:TLP-F-3060N-40					DIMENSION: 296X596X11MM			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	19.3	20.8	19.6	21.0	21.2	19.2	20.7	19.5	21.0	21.2
3H	20.9	22.3	21.2	22.6	22.9	20.8	22.2	21.2	22.5	22.8
4H	21.6	23.0	22.0	23.3	23.5	21.5	22.9	21.9	23.1	23.4
6H	22.2	23.5	22.6	23.8	24.1	22.1	23.3	22.4	23.6	23.9
8H	22.4	23.7	22.8	24.0	24.3	22.3	23.5	22.7	23.8	24.1
12H	22.6	23.8	23.0	24.1	24.4	22.5	23.6	22.8	24.0	24.3
4H 2H	19.9	21.2	20.2	21.5	21.8	19.9	21.2	20.2	21.5	21.8
3H	21.7	22.9	22.1	23.2	23.6	21.7	22.8	22.0	23.2	23.5
4H	22.6	23.6	23.0	24.0	24.4	22.5	23.6	22.9	23.9	24.3
6H	23.3	24.2	23.7	24.6	25.0	23.2	24.1	23.6	24.5	24.9
8H	23.6	24.4	24.0	24.8	25.2	23.5	24.4	23.9	24.7	25.2
12H	23.8	24.6	24.2	25.0	25.4	23.7	24.5	24.1	24.9	25.4
8H 4H	22.9	23.8	23.3	24.1	24.6	22.8	23.7	23.2	24.1	24.5
6H	23.7	24.5	24.2	24.9	25.3	23.7	24.4	24.1	24.8	25.3
8H	24.1	24.8	24.6	25.2	25.7	24.0	24.7	24.5	25.1	25.6
12H	24.4	24.9	24.9	25.4	25.9	24.4	25.0	24.9	25.4	25.9
12H 4H	22.9	23.7	23.3	24.1	24.5	22.8	23.6	23.3	24.1	24.5
6H	23.8	24.5	24.3	24.9	25.4	23.7	24.4	24.2	24.8	25.3
8H	24.2	24.8	24.7	25.2	25.8	24.2	24.7	24.7	25.2	25.7
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 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 3406 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.3)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40	DIMENSION: 296X596X11MM	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	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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:2015-04-21

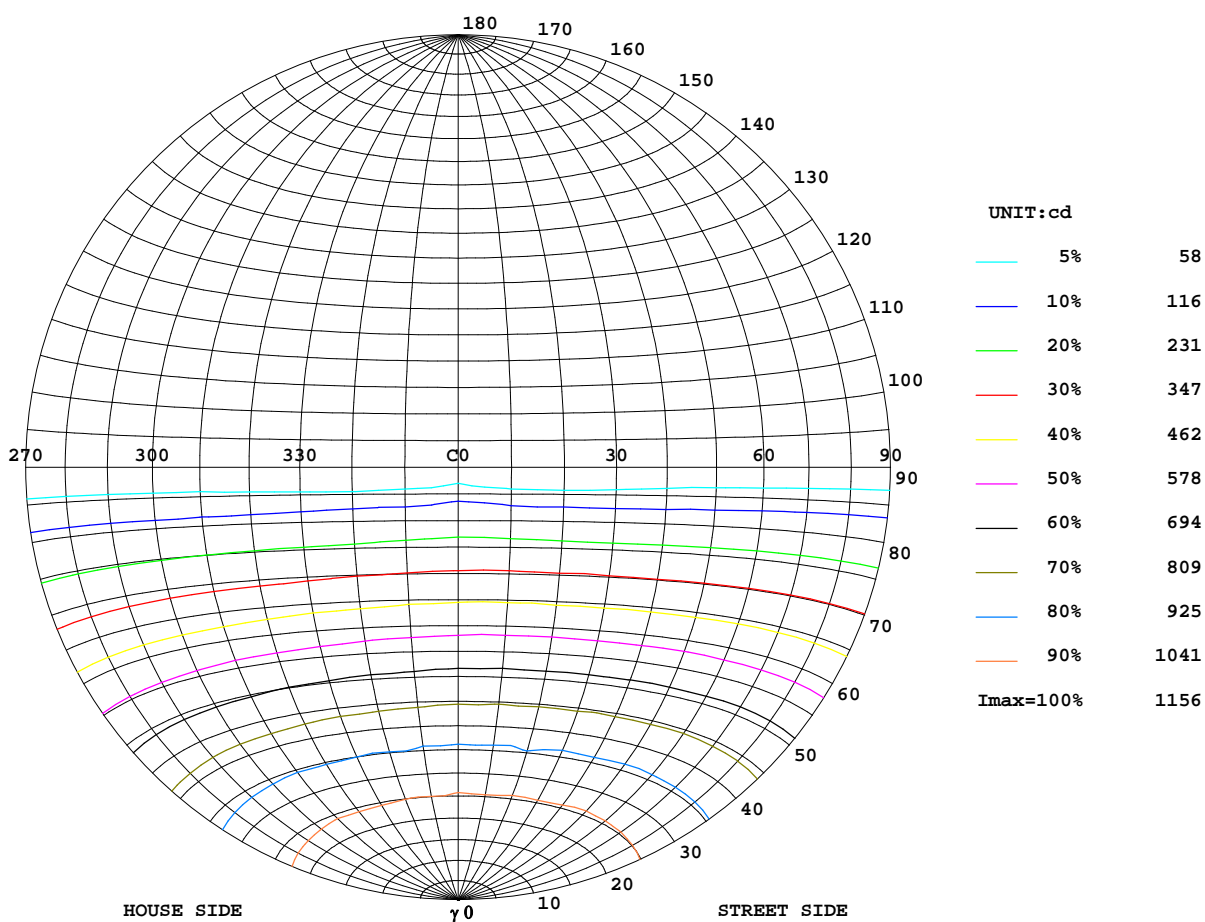
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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

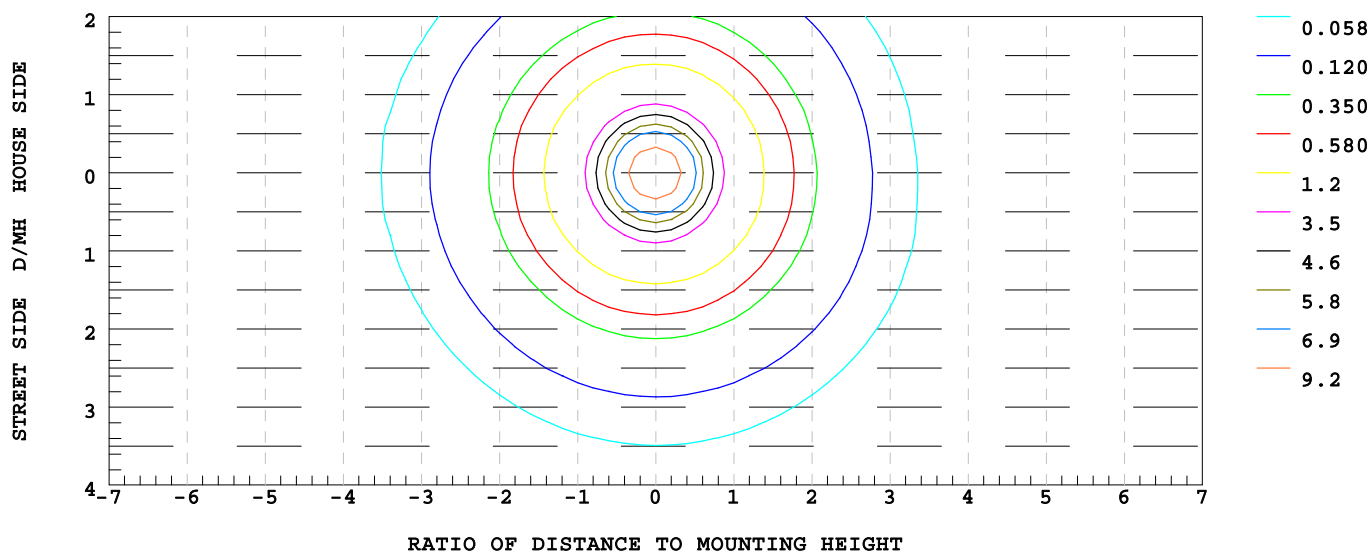
LUMINAIRE PHOTOMETRIC TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 11.55 lx



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

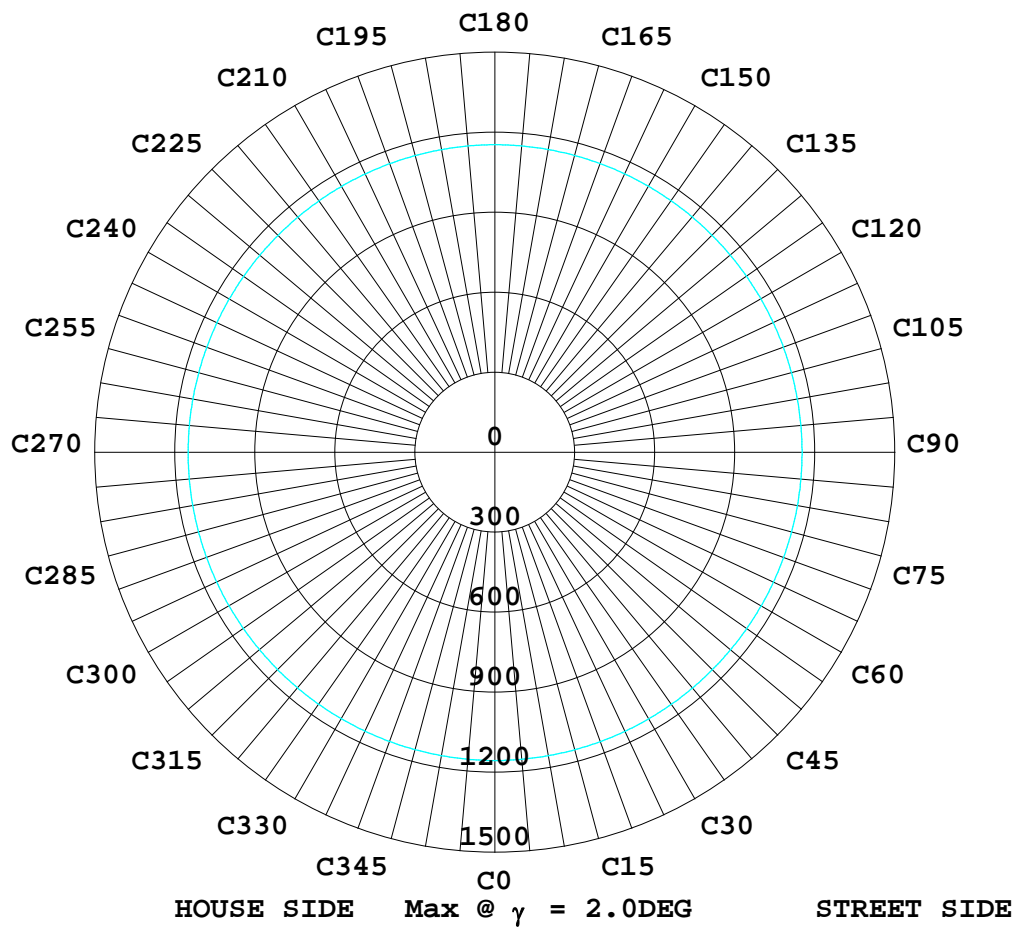
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: SGSLIGHT LIMITED	Address:	
NAME: LED PANEL	TYPE:	WEIGHT:
SPECIFICATION:TLP-F-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40		DIMENSION: 296X596X11MM	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	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155
5.0	1153	1153	1152	1151	1151	1151	1150	1150	1150	1149	1149	1148	1148	1148	1148
10.0	1141	1140	1139	1138	1138	1138	1138	1138	1138	1138	1138	1139	1139	1139	1139
15.0	1119	1117	1116	1116	1116	1116	1117	1119	1120	1119	1118	1118	1116	1115	1114
20.0	1089	1086	1085	1085	1086	1088	1090	1087	1086	1085	1086	1086	1086	1087	1086
25.0	1047	1045	1044	1045	1047	1047	1045	1045	1046	1048	1049	1048	1047	1045	1045
30.0	998	995	995	997	998	996	996	999	1001	998	996	996	995	996	995
35.0	940	937	936	932	932	938	941	940	938	939	939	941	939	937	936
40.0	873	871	875	875	873	876	874	872	875	875	872	871	870	870	870
45.0	801	798	803	799	801	800	800	803	799	799	798	800	799	797	795
50.0	719	720	722	720	719	720	722	719	718	720	718	716	716	716	716
55.0	635	635	635	636	635	636	633	634	632	631	631	632	631	630	629
60.0	544	548	544	544	546	542	542	541	542	542	540	540	539	539	539
65.0	452	455	452	454	449	449	448	449	446	446	446	446	446	445	445
70.0	357	359	357	355	353	354	351	350	349	350	349	349	349	349	349
75.0	265	264	264	258	258	255	254	254	254	254	255	255	256	256	256
80.0	173	173	168	165	162	162	162	161	162	163	163	164	164	164	165
85.0	88.4	80.7	72.8	72.3	71.5	70.6	70.4	73.5	75.6	80.2	80.3	81.6	82.9	83.8	84.8
90.0	6.68	2.75	2.75	2.75	2.75	2.75	2.80	2.89	3.18	3.55	3.97	4.53	5.28	5.94	6.64
95.0	2.66	3.04	3.16	3.20	3.21	3.18	3.17	3.18	3.22	3.36	3.53	3.80	4.15	4.50	4.90
100.0	3.08	3.33	3.43	3.42	3.53	3.53	3.55	3.56	3.52	3.53	3.51	3.48	3.44	3.41	3.42
105.0	4.20	3.95	3.74	3.82	3.92	3.91	4.03	4.00	4.00	3.97	3.97	3.96	3.93	3.89	3.91
110.0	4.63	4.37	4.40	4.38	4.38	4.41	4.38	4.48	4.46	4.48	4.46	4.43	4.45	4.41	4.41
115.0	5.37	5.23	4.89	4.84	4.94	4.84	4.97	5.00	4.97	5.01	4.91	4.94	4.94	4.91	4.90
120.0	6.17	5.85	5.68	5.79	5.42	5.53	5.49	5.41	5.51	5.40	5.46	5.44	5.42	5.36	5.38
125.0	6.59	6.40	6.38	6.29	6.25	6.20	5.97	6.10	5.94	5.91	5.93	6.02	5.89	5.82	5.86
130.0	7.71	7.38	7.06	7.06	6.79	6.76	6.72	6.52	6.50	6.49	6.48	6.49	6.45	6.43	6.45
135.0	8.13	7.91	7.82	7.56	7.56	7.51	7.12	7.07	7.07	7.08	7.10	6.94	6.84	6.90	6.98
140.0	9.26	8.89	8.43	8.07	8.06	7.84	7.87	7.69	7.67	7.70	7.52	7.41	7.48	7.41	7.46
145.0	9.30	9.10	8.99	8.86	8.61	8.57	8.43	8.47	8.27	8.10	7.97	8.01	7.92	8.04	7.95
150.0	10.0	9.81	9.57	9.38	9.42	9.21	8.99	8.80	8.78	8.50	8.61	8.48	8.61	8.51	8.46
155.0	10.4	10.2	10.0	9.81	9.82	9.62	9.31	9.14	9.29	9.14	9.07	9.17	9.06	8.97	9.16
160.0	10.4	10.3	10.2	10.2	10.1	10.0	9.88	9.74	9.87	9.80	9.69	9.59	9.55	9.72	9.65
165.0	11.2	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.2	10.1	10.2	10.3	10.2	10.1	10.1
170.0	11.2	11.1	11.1	11.0	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7	10.7	10.6	10.6
175.0	11.5	11.5	11.5	11.4	11.4	11.3	11.3	11.3	11.2	11.2	11.2	11.1	11.1	11.1	11.1
180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40	DIMENSION: 296X596X11MM	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	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155
5.0	1148	1148	1147	1147	1147	1147	1146	1146	1146	1145	1145	1145	1145	1145	1145
10.0	1139	1139	1139	1139	1138	1137	1136	1135	1134	1133	1131	1130	1129	1128	1127
15.0	1114	1113	1112	1112	1111	1110	1109	1108	1108	1107	1106	1106	1106	1106	1103
20.0	1086	1086	1085	1085	1084	1082	1081	1079	1076	1074	1072	1070	1069	1070	1072
25.0	1042	1041	1040	1039	1038	1037	1036	1034	1033	1032	1032	1032	1028	1024	1022
30.0	996	996	995	994	992	991	988	986	983	981	979	976	975	975	971
35.0	935	934	933	931	930	929	927	926	925	924	923	919	915	908	914
40.0	870	870	870	869	867	866	863	861	858	856	853	851	851	847	844
45.0	794	794	793	791	790	789	788	787	786	785	783	779	775	774	772
50.0	715	716	715	714	713	712	710	707	705	703	702	700	699	695	691
55.0	629	628	627	627	626	625	624	622	621	620	618	615	612	611	609
60.0	540	540	539	539	538	538	536	535	533	531	529	527	526	523	519
65.0	445	445	444	444	444	444	443	443	442	441	440	438	435	432	430
70.0	349	349	349	349	349	349	349	349	348	348	347	346	345	344	341
75.0	257	257	258	258	258	258	258	258	258	257	256	255	254	253	252
80.0	165	166	166	167	167	168	169	169	169	170	170	170	169	168	167
85.0	85.8	86.6	87.4	88.2	88.8	89.1	89.4	89.4	89.3	88.8	88.1	87.4	87.1	87.0	86.4
90.0	7.39	8.09	8.84	9.54	10.2	10.7	11.0	11.3	11.3	10.5	9.12	8.13	8.09	8.84	10.4
95.0	5.31	5.69	6.09	6.45	6.79	6.98	7.06	7.03	6.90	6.34	5.51	4.90	4.59	4.34	3.97
100.0	3.40	3.38	3.37	3.36	3.37	3.33	3.35	3.33	3.35	3.36	3.37	3.40	3.46	3.51	3.56
105.0	3.90	3.88	3.88	3.88	3.88	3.85	3.86	3.85	3.86	3.90	3.93	3.98	4.03	4.10	4.16
110.0	4.41	4.40	4.40	4.39	4.40	4.37	4.36	4.38	4.38	4.42	4.48	4.55	4.61	4.73	4.82
115.0	4.91	4.94	4.91	4.91	4.91	4.89	4.90	4.92	4.88	4.94	5.08	5.07	5.15	5.31	5.41
120.0	5.41	5.46	5.43	5.42	5.43	5.41	5.46	5.48	5.43	5.49	5.58	5.70	5.77	5.88	5.95
125.0	5.91	5.98	5.95	5.94	5.95	5.93	5.98	5.96	5.99	6.05	6.08	6.24	6.26	6.46	6.55
130.0	6.41	6.49	6.46	6.45	6.46	6.45	6.50	6.44	6.50	6.46	6.60	6.74	6.91	6.96	7.19
135.0	6.90	7.01	6.98	6.96	6.98	6.96	7.02	6.93	7.11	7.11	7.21	7.20	7.41	7.60	7.63
140.0	7.47	7.52	7.49	7.48	7.49	7.50	7.53	7.61	7.51	7.60	7.60	7.79	7.84	8.05	8.31
145.0	8.09	8.04	8.00	7.99	8.03	8.04	8.04	8.12	7.99	8.23	8.20	8.20	8.48	8.48	8.66
150.0	8.60	8.55	8.52	8.51	8.61	8.55	8.55	8.62	8.71	8.56	8.83	8.80	8.95	8.85	9.24
155.0	9.10	9.06	9.03	9.02	9.22	9.06	9.09	9.11	9.19	9.29	9.12	9.24	9.53	9.49	9.66
160.0	9.60	9.57	9.54	9.54	9.71	9.57	9.60	9.62	9.67	9.75	9.84	9.94	9.76	9.88	10.0
165.0	10.1	10.0	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.2	10.3	10.4	10.5	10.6
170.0	10.6	10.5	10.5	10.5	10.5	10.7	10.7	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.9
175.0	11.1	11.0	11.0	11.0	11.0	11.0	11.1	11.3	11.4	11.3	11.2	11.2	11.2	11.2	11.3
180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)														
	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155
5.0	1145	1145	1145	1145	1146	1146	1147	1146	1145	1144	1144	1143	1142	1142	1142
10.0	1126	1126	1126	1126	1127	1127	1129	1127	1125	1124	1123	1122	1122	1122	1122
15.0	1101	1100	1099	1098	1099	1100	1101	1100	1098	1097	1096	1095	1095	1096	1098
20.0	1069	1066	1063	1062	1061	1061	1063	1059	1057	1057	1057	1059	1060	1058	1062
25.0	1021	1022	1020	1016	1015	1015	1018	1013	1011	1010	1012	1012	1010	1009	1010
30.0	965	966	966	964	960	959	961	957	955	957	957	954	954	956	958
35.0	911	906	904	904	899	898	901	895	893	895	892	892	894	893	891
40.0	842	842	836	833	831	828	830	825	824	823	822	825	821	820	821
45.0	767	764	763	757	755	752	755	748	747	746	747	745	744	745	745
50.0	689	683	682	678	673	671	674	667	665	664	664	661	663	662	663
55.0	603	600	596	594	588	583	586	578	578	579	575	575	575	578	577
60.0	519	512	508	503	499	494	496	488	488	486	485	486	489	486	486
65.0	426	424	419	413	410	403	402	397	397	393	395	396	394	395	395
70.0	337	333	329	323	317	311	311	303	302	303	304	303	304	306	307
75.0	250	246	242	237	229	223	219	215	213	215	215	217	219	218	218
80.0	164	162	160	154	148	140	134	136	136	132	134	136	134	135	135
85.0	83.8	82.3	81.4	76.1	71.4	60.4	50.9	44.4	53.1	53.7	55.4	56.5	56.2	58.9	61.0
90.0	10.8	10.9	10.5	9.35	7.01	4.53	5.89	2.85	2.85	2.80	2.85	2.94	2.99	3.04	3.08
95.0	3.00	3.05	3.21	3.53	4.24	6.30	9.16	5.31	3.85	3.34	3.24	3.20	3.22	3.32	3.37
100.0	3.69	3.89	4.21	4.78	5.78	7.53	8.09	6.07	4.85	4.30	4.05	3.89	3.86	3.86	3.86
105.0	4.37	4.62	5.13	5.59	6.60	8.02	7.71	6.39	5.58	5.18	4.66	4.54	4.51	4.44	4.41
110.0	5.06	5.33	5.69	6.44	7.04	7.98	7.48	6.91	6.31	5.58	5.41	5.26	5.13	4.99	4.96
115.0	5.55	6.00	6.32	6.76	7.40	8.29	7.57	7.00	6.70	6.27	6.12	5.83	5.69	5.64	5.50
120.0	6.19	6.37	6.91	7.23	7.85	8.41	8.09	7.69	7.39	6.97	6.72	6.44	6.38	6.27	6.15
125.0	6.69	6.98	7.33	7.50	8.18	8.79	8.60	8.24	7.94	7.51	7.16	7.12	7.00	6.78	6.70
130.0	7.37	7.61	7.95	8.16	8.51	8.94	9.07	8.74	8.57	8.17	7.83	7.54	7.56	7.39	7.33
135.0	7.92	8.01	8.38	8.64	8.99	9.17	9.86	9.40	8.84	8.73	8.51	8.13	8.05	8.01	7.80
140.0	8.53	8.55	8.86	9.18	9.42	9.61	9.91	9.64	9.50	9.25	8.94	8.92	8.46	8.42	8.43
145.0	8.90	9.32	9.40	9.70	9.88	10.0	10.6	10.3	9.86	9.58	9.51	9.24	9.28	9.03	8.84
150.0	9.25	9.43	9.66	9.91	10.1	10.4	11.0	10.8	10.5	10.2	10.0	9.55	9.71	9.46	9.36
155.0	9.69	9.71	10.0	10.3	10.4	10.5	11.4	11.1	10.8	10.5	10.2	10.2	10.0	9.95	9.87
160.0	10.3	10.3	10.4	10.6	10.7	10.9	11.5	11.3	11.1	10.9	10.8	10.6	10.5	10.5	10.3
165.0	10.7	10.6	10.6	10.7	10.9	11.0	11.5	11.4	11.2	11.1	11.0	10.9	10.8	10.9	10.9
170.0	11.0	11.1	11.1	11.2	11.3	11.4	11.9	11.8	11.7	11.6	11.5	11.4	11.4	11.3	11.2
175.0	11.3	11.3	11.4	11.4	11.5	11.5	11.9	11.8	11.8	11.7	11.7	11.7	11.6	11.6	11.6
180.0	11.5	11.5	11.5	11.5	11.5	11.5	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40	DIMENSION: 296X596X11MM	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	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155
5.0	1141	1141	1141	1141	1142	1142	1142	1142	1142	1143	1143	1144	1144	1144	1145
10.0	1123	1123	1124	1125	1126	1127	1128	1129	1129	1130	1131	1131	1132	1132	1132
15.0	1097	1096	1095	1095	1095	1096	1096	1097	1098	1099	1100	1101	1102	1103	1104
20.0	1058	1056	1057	1059	1060	1061	1063	1065	1066	1067	1069	1069	1070	1070	1071
25.0	1012	1015	1014	1012	1012	1013	1013	1014	1016	1017	1019	1020	1021	1023	1025
30.0	956	955	955	956	957	959	961	963	965	966	968	970	971	971	972
35.0	891	892	895	894	894	895	896	897	898	900	902	904	906	908	911
40.0	823	821	822	823	825	826	828	830	832	834	835	837	838	839	841
45.0	744	746	748	749	749	749	750	751	752	754	756	758	760	762	765
50.0	666	664	664	664	665	667	669	670	672	674	676	678	679	681	683
55.0	576	577	578	578	579	580	581	582	583	585	586	588	591	593	596
60.0	487	487	488	489	490	491	492	493	494	495	497	498	500	501	504
65.0	396	398	398	399	399	400	400	401	402	403	404	406	407	409	411
70.0	307	307	307	307	307	308	308	309	310	311	312	313	315	317	318
75.0	218	218	219	219	220	220	220	221	221	222	223	223	225	226	227
80.0	135	136	135	135	134	134	133	133	133	133	133	134	135	136	137
85.0	62.3	64.5	65.3	65.9	66.5	66.8	67.1	67.4	67.6	67.7	67.9	67.9	67.9	67.9	67.8
90.0	3.08	3.04	2.99	2.94	2.94	2.94	2.89	2.89	2.89	2.85	2.85	2.89	2.89	2.89	2.89
95.0	3.39	3.37	3.33	3.32	3.31	3.31	3.31	3.30	3.29	3.27	3.27	3.30	3.31	3.29	3.31
100.0	3.85	3.80	3.76	3.74	3.71	3.70	3.72	3.71	3.69	3.69	3.69	3.70	3.72	3.70	3.73
105.0	4.40	4.33	4.29	4.27	4.25	4.22	4.23	4.23	4.21	4.20	4.21	4.21	4.22	4.22	4.19
110.0	4.95	4.85	4.84	4.79	4.75	4.75	4.74	4.75	4.73	4.72	4.73	4.73	4.73	4.74	4.68
115.0	5.43	5.45	5.34	5.27	5.29	5.30	5.24	5.27	5.24	5.23	5.24	5.26	5.24	5.25	5.17
120.0	6.01	5.89	5.95	5.88	5.80	5.81	5.74	5.79	5.76	5.75	5.76	5.79	5.74	5.72	5.70
125.0	6.64	6.48	6.45	6.37	6.33	6.37	6.33	6.31	6.27	6.26	6.27	6.31	6.24	6.19	6.23
130.0	7.14	7.11	6.97	6.91	6.87	6.83	6.88	6.82	6.81	6.78	6.79	6.82	6.73	6.66	6.86
135.0	7.78	7.43	7.45	7.36	7.40	7.30	7.39	7.34	7.38	7.29	7.30	7.34	7.23	7.30	7.28
140.0	8.03	8.14	8.03	7.98	8.01	7.85	7.91	7.85	7.97	7.81	7.82	7.85	7.80	7.79	7.69
145.0	8.66	8.64	8.57	8.54	8.37	8.49	8.42	8.36	8.54	8.32	8.36	8.36	8.42	8.27	8.36
150.0	9.13	9.17	9.13	8.94	9.03	8.99	8.92	8.87	9.08	8.84	8.96	8.87	8.92	8.79	8.83
155.0	9.76	9.80	9.49	9.61	9.56	9.49	9.43	9.38	9.62	9.35	9.59	9.38	9.43	9.49	9.30
160.0	10.1	10.1	10.2	10.1	10.0	9.98	9.93	10.0	10.0	9.86	10.1	9.89	9.93	9.98	10.0
165.0	10.8	10.7	10.6	10.5	10.5	10.4	10.4	10.7	10.4	10.3	10.6	10.5	10.4	10.4	10.5
170.0	11.1	11.1	11.0	11.0	10.9	11.1	11.2	11.1	10.9	10.8	11.1	11.2	11.0	10.9	10.9
175.0	11.7	11.8	11.8	11.8	11.8	11.6	11.5	11.4	11.4	11.4	11.5	11.7	11.7	11.7	11.7
180.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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-3060N-40	DIMENSION: 296X596X11MM	SERIAL No.:

UNIT: cd

C(DEG)\ γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155
5.0	1145	1145	1146	1146	1147	1148	1148	1149	1150	1150	1151	1152
10.0	1132	1132	1132	1132	1133	1133	1134	1134	1135	1136	1138	1139
15.0	1105	1107	1109	1111	1112	1112	1111	1111	1112	1113	1114	1116
20.0	1071	1072	1073	1074	1076	1078	1082	1082	1081	1081	1083	1085
25.0	1028	1030	1033	1033	1033	1034	1036	1040	1042	1041	1041	1043
30.0	974	975	978	981	985	985	984	987	991	992	991	993
35.0	915	919	918	919	921	924	928	927	926	933	935	936
40.0	843	845	849	854	856	856	859	863	863	868	870	869
45.0	769	772	773	776	779	786	785	787	791	792	799	796
50.0	685	687	691	696	697	700	707	707	709	712	717	717
55.0	600	603	604	607	610	614	617	624	625	628	630	633
60.0	506	509	513	518	520	522	526	529	536	537	539	546
65.0	413	415	417	421	425	431	433	436	439	448	448	454
70.0	320	322	324	326	328	332	337	343	345	350	354	358
75.0	229	231	233	235	238	240	242	245	252	255	262	263
80.0	139	142	142	145	147	150	154	156	157	163	168	175
85.0	67.7	68.7	66.2	65.8	65.1	64.4	63.1	66.3	70.2	73.8	75.7	84.5
90.0	2.89	2.89	2.94	2.99	2.99	3.04	2.99	2.89	2.85	2.80	2.71	2.75
95.0	3.30	3.32	3.34	3.38	3.39	3.40	3.36	3.31	3.20	3.04	2.88	2.43
100.0	3.72	3.75	3.74	3.77	3.78	3.73	3.65	3.54	3.37	3.13	2.87	2.53
105.0	4.17	4.20	4.18	4.20	4.17	4.07	4.02	3.88	3.65	3.36	3.13	2.79
110.0	4.67	4.64	4.63	4.60	4.60	4.52	4.37	4.25	4.17	3.89	3.77	3.49
115.0	5.10	5.13	5.09	5.08	5.01	5.00	4.78	4.69	4.62	4.55	4.38	4.26
120.0	5.64	5.60	5.62	5.60	5.49	5.52	5.51	5.20	5.19	5.25	5.16	5.37
125.0	6.08	6.16	6.06	6.03	6.03	6.02	6.04	6.02	5.94	5.81	6.00	5.95
130.0	6.67	6.64	6.59	6.58	6.58	6.57	6.54	6.55	6.74	6.75	7.02	7.06
135.0	7.30	7.08	7.03	7.15	7.13	7.12	7.30	7.29	7.27	7.51	7.49	7.76
140.0	7.96	7.76	7.62	7.57	7.70	7.72	7.88	7.84	8.04	8.18	8.25	8.51
145.0	8.25	8.52	8.33	8.18	8.32	8.48	8.42	8.55	8.58	8.81	8.93	9.02
150.0	8.82	8.81	9.16	9.05	8.94	8.84	9.02	8.93	9.38	9.32	9.50	9.73
155.0	9.39	9.49	9.33	9.56	9.86	9.73	9.75	9.76	9.82	9.80	9.99	10.1
160.0	9.87	9.92	10.0	10.1	9.94	10.0	10.2	10.6	10.8	10.8	10.9	10.9
165.0	10.5	10.6	10.5	10.4	10.5	10.6	10.8	10.9	11.0	10.9	11.0	11.0
170.0	11.0	11.0	11.1	11.1	11.2	11.3	11.4	11.4	11.4	11.4	11.4	11.4
175.0	11.6	11.5	11.5	11.5	11.5	11.6	11.6	11.7	11.7	11.7	11.8	11.8
180.0	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2015-04-21

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