

GONIOPHOTOMETERS SYSTEM TEST REPORT

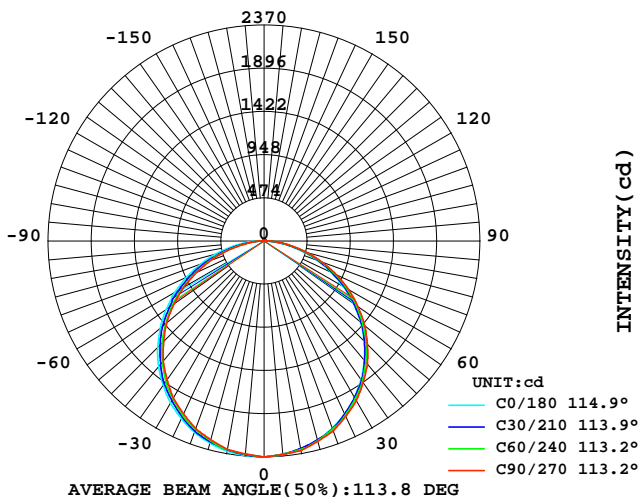
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17022704

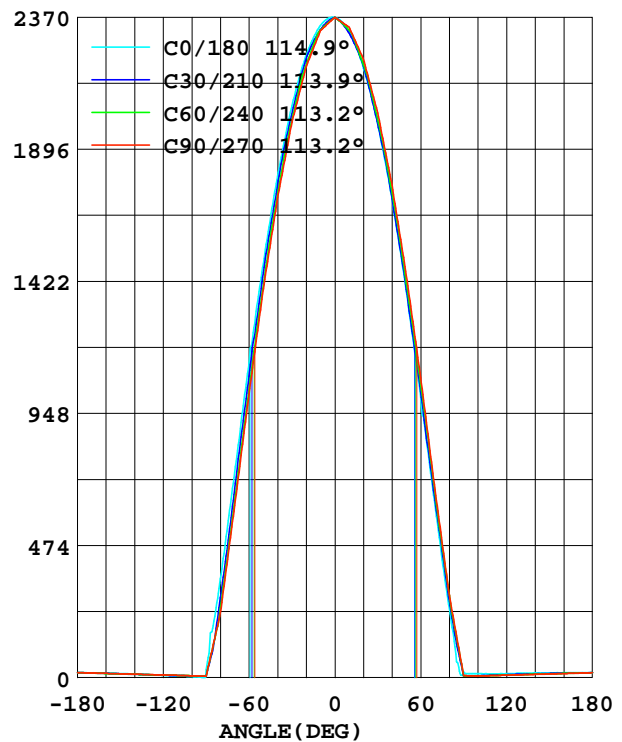
MANUFACTURER: SGSLight Limited	Address:		
NAME: TLP-X-3015N-70	TYPE:LED Panel	WEIGHT:	
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1496mm	SERIAL No.:17022704	

DATA OF LAMP		Imax(cd)	2370	S/MH(C0/180)	1.29
MODEL	4000k	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	70	TOTAL FLUX(lm)	6906.0	Voltage(V)	219.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	98.0	Current(A)	0.328
NOMINAL FLUX(lm)	6906.1	η up(%)	0.9	Power(W)	70.48
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	0.977
TEST VOLTAGE(V)	219.0	Effective Flux(lm)	6735.5	EEI	0.143

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-02-27

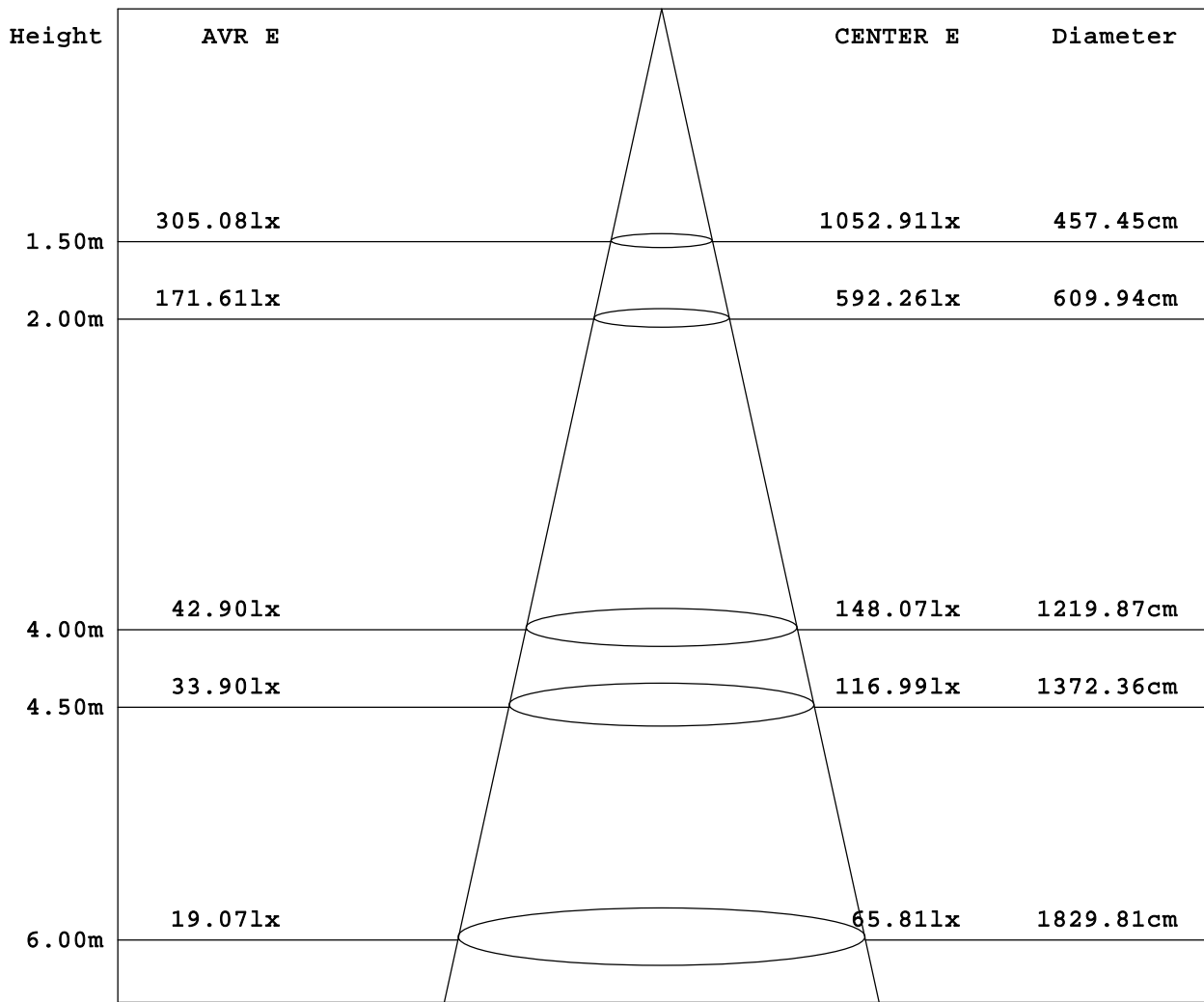
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

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AVERAGE AND CENTER E Figure

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Angle:113.5deg

Test System:HOPPO HPG1900
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ZONAL FLUX DIAGRAM

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MANUFACTURER: SGSLight Limited	Address:	
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γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2364	2351	2346	2343	2353	2347	2352	2356	0- 5	56.37	56.37
10.0	2341	2324	2323	2308	2317	2316	2334	2333	5- 10	167.1	223.5
15.0	2296	2281	2258	2259	2262	2270	2276	2294	10- 15	272.5	496.0
20.0	2234	2204	2193	2176	2187	2191	2219	2223	15- 20	368.6	864.6
25.0	2150	2121	2093	2086	2095	2105	2122	2144	20- 25	452.6	1317
30.0	2052	2016	1993	1975	1985	1995	2026	2043	25- 30	521.4	1839
35.0	1932	1890	1857	1847	1856	1866	1896	1920	30- 35	573.1	2412
40.0	1799	1757	1722	1712	1715	1731	1766	1790	35- 40	605.2	3017
45.0	1649	1596	1559	1552	1554	1572	1604	1633	40- 45	617.5	3635
50.0	1487	1433	1395	1387	1384	1409	1443	1473	45- 50	608.4	4243
55.0	1315	1244	1206	1206	1198	1224	1259	1287	50- 55	579.4	4823
60.0	1130	1056	1017	1024	1007	1039	1076	1102	55- 60	531.0	5354
65.0	938.0	853.1	817.4	827.4	811.4	847.8	874.7	902.9	60- 65	464.7	5818
70.0	736.3	653.0	617.4	632.7	616.8	653.8	673.2	705.4	65- 70	384.2	6203
75.0	545.5	453.7	424.2	443.0	422.2	459.2	484.4	506.5	70- 75	294.2	6497
80.0	354.2	266.9	231.0	263.7	246.6	289.0	295.7	321.6	75- 80	200.1	6697
85.0	186.5	114.1	117.9	115.2	57.03	137.3	151.5	155.2	80- 85	110.2	6807
90.0	29.15	4.900	4.753	4.949	8.036	6.076	7.252	11.36	85- 90	35.92	6843
95.0	2.156	6.040	5.659	5.674	14.50	5.768	6.467	7.486	90- 95	3.412	6847
100.0	3.772	6.788	6.566	6.507	13.81	6.144	5.684	6.129	95-100	3.447	6850
105.0	4.998	7.303	7.276	7.449	13.91	7.005	6.419	6.669	100-105	3.723	6854
110.0	5.879	7.814	7.987	8.337	13.62	7.843	7.154	7.182	105-110	4.009	6858
115.0	6.713	8.400	8.697	9.244	13.76	8.682	7.889	7.846	110-115	4.241	6862
120.0	8.280	9.035	9.408	10.08	13.91	9.596	8.624	8.503	115-120	4.429	6866
125.0	9.162	9.730	10.11	10.88	14.50	10.34	9.359	9.014	120-125	4.568	6871
130.0	10.73	10.44	10.82	11.64	15.38	11.20	10.09	9.876	125-130	4.639	6876
135.0	11.61	10.99	11.53	12.36	15.82	11.94	10.82	10.55	130-135	4.628	6880
140.0	12.83	11.92	12.25	13.23	16.17	12.59	11.56	11.29	135-140	4.524	6885
145.0	14.01	12.66	12.96	13.70	16.56	13.45	12.29	12.06	140-145	4.325	6889
150.0	14.45	13.41	13.67	14.54	16.95	14.13	13.03	13.09	145-150	4.027	6893
155.0	15.63	14.17	14.38	15.14	17.34	15.01	13.76	13.78	150-155	3.639	6897
160.0	16.02	14.96	15.09	15.73	17.39	15.59	14.50	14.40	155-160	3.158	6900
165.0	16.80	15.78	15.80	16.31	17.78	16.15	15.23	15.23	160-165	2.591	6903
170.0	16.80	16.25	16.51	16.87	17.78	16.41	15.97	16.38	165-170	1.934	6904
175.0	17.54	17.05	17.22	17.38	17.44	16.92	16.70	16.92	170-175	1.205	6906
180.0	17.93	17.93	17.93	17.93	17.44	17.44	17.44	17.44	175-180	0.414	6906
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-02-27

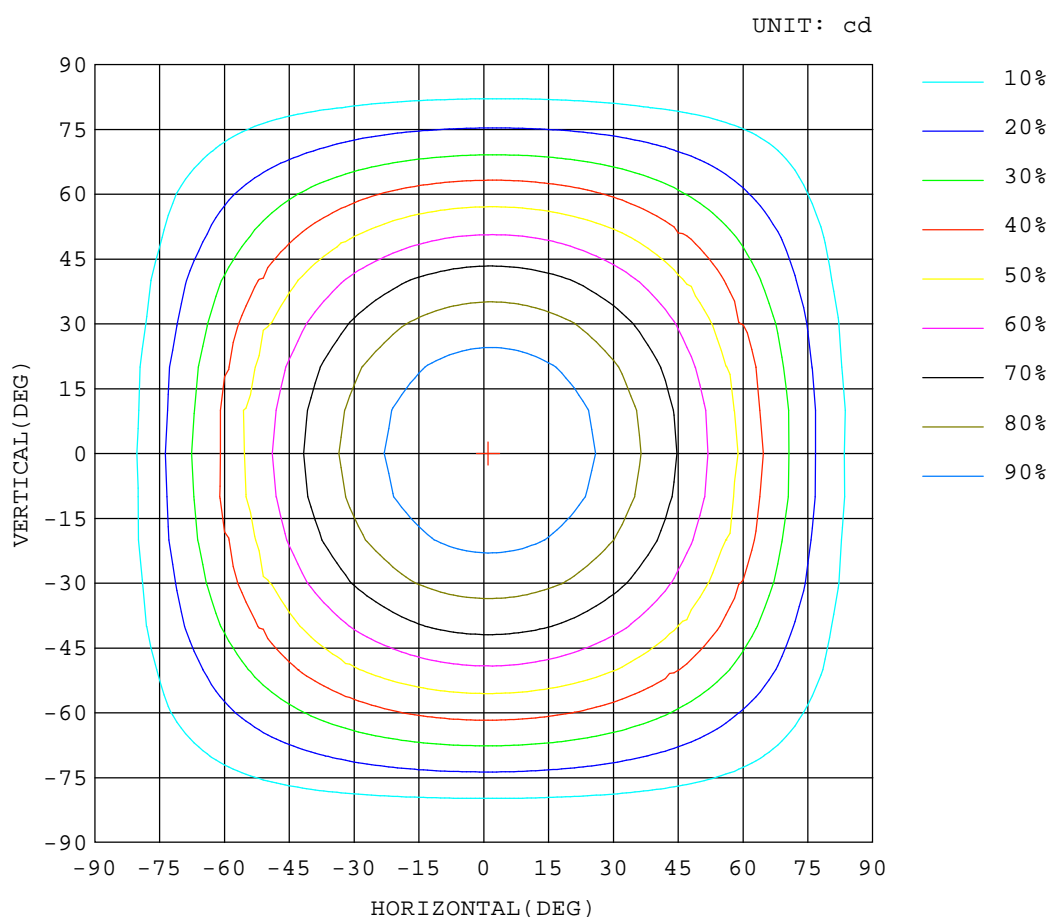
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ISOCANDELA DIAGRAM

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Test Date:2017-02-27

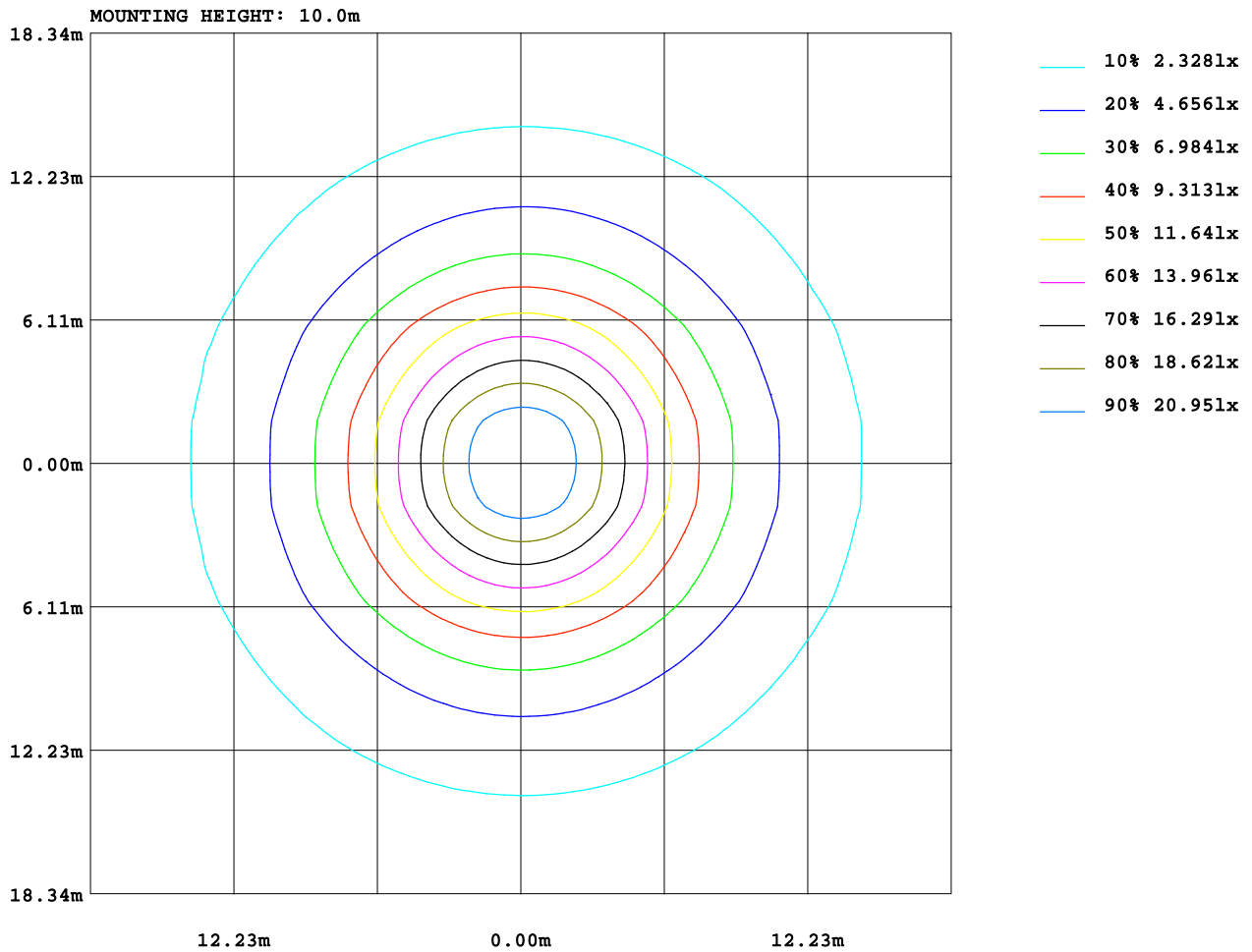
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Humidity:65.0%
Test Distance:7.000 m
Remarks:

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ISOLUX DIAGRAM

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Uncorrected UGR Table

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NAME: TLP-X-3015N-70						TYPE:LED Panel			WEIGHT:	
SPECIFICATION:4000K CRI>80						DIMENSION: 296x1496mm			SERIAL No.:17022704	
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	18.5	20.1	18.8	20.3	20.5	18.1	19.7	18.4	19.9	20.1
3H	20.2	21.6	20.5	21.8	22.1	19.6	21.0	19.9	21.2	21.5
4H	20.9	22.2	21.2	22.5	22.8	20.1	21.5	20.5	21.7	22.0
6H	21.4	22.7	21.8	23.0	23.3	20.5	21.7	20.8	22.0	22.3
8H	21.7	22.9	22.0	23.2	23.5	20.6	21.8	21.0	22.1	22.4
12H	21.8	23.0	22.2	23.3	23.6	20.7	21.8	21.0	22.2	22.5
4H 2H	19.1	20.4	19.4	20.7	21.0	18.8	20.1	19.1	20.4	20.7
3H	20.9	22.1	21.3	22.4	22.7	20.4	21.6	20.8	21.9	22.2
4H	21.7	22.8	22.1	23.1	23.5	21.1	22.1	21.5	22.5	22.8
6H	22.4	23.4	22.8	23.7	24.1	21.5	22.5	21.9	22.8	23.2
8H	22.7	23.6	23.1	23.9	24.3	21.7	22.6	22.1	23.0	23.4
12H	22.9	23.7	23.3	24.1	24.5	21.8	22.6	22.3	23.0	23.5
8H 4H	21.9	22.8	22.4	23.2	23.6	21.4	22.2	21.8	22.6	23.0
6H	22.8	23.5	23.2	23.9	24.4	21.9	22.7	22.4	23.1	23.6
8H	23.1	23.7	23.6	24.2	24.7	22.2	22.8	22.7	23.3	23.7
12H	23.4	23.9	23.9	24.4	24.9	22.4	22.9	22.9	23.4	23.9
12H 4H	21.9	22.8	22.4	23.2	23.6	21.4	22.2	21.8	22.6	23.0
6H	22.8	23.4	23.3	23.9	24.4	22.0	22.7	22.5	23.1	23.6
8H	23.2	23.7	23.7	24.2	24.7	22.3	22.8	22.8	23.3	23.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 6906 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.7)

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