

GONIOPHOTOMETERS SYSTEM TEST REPORT

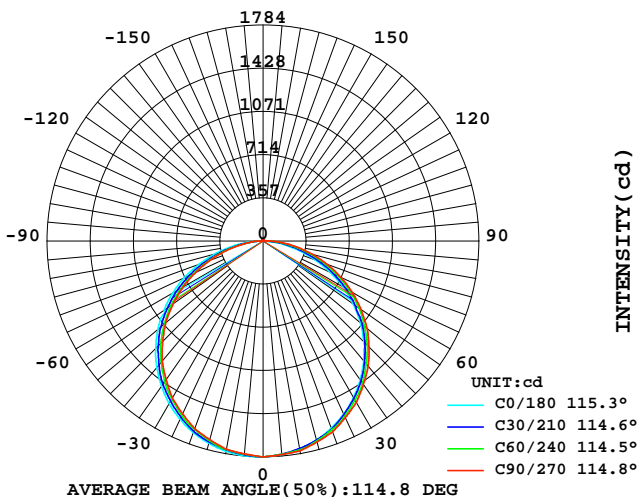
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17022801

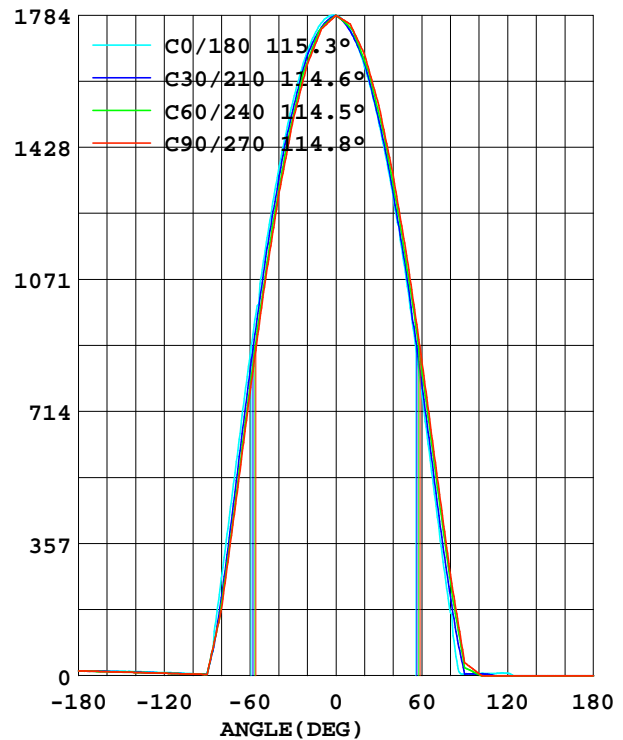
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-X-15150N-70		TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80		DIMENSION: 150x1496mm	SERIAL No.:17022801

DATA OF LAMP		Imax(cd)	1784	S/MH(C0/180)	1.29
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	68	TOTAL FLUX(lm)	5253.0	Voltage(V)	219.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	76.4	Current(A)	0.324
NOMINAL FLUX(lm)	5253.1	η up(%)	0.6	Power(W)	68.80
LAMPS QUANTITY	1	η down(%)	99.4	Power Factor(PF)	0.968
TEST VOLTAGE(V)	219.3	Effective Flux(lm)	5144.5	EEL	0.182

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017/02/28

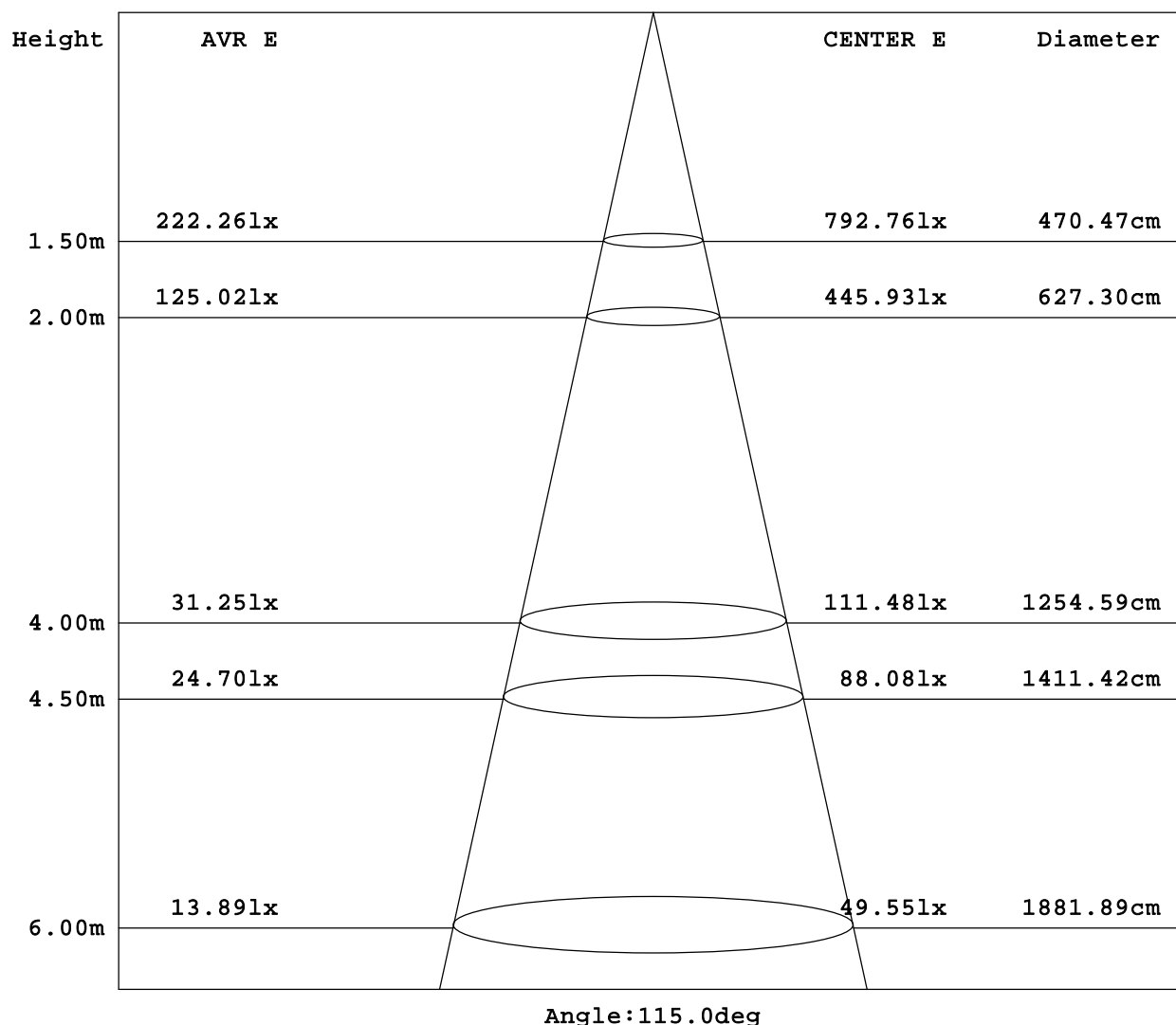
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

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AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1781	1771	1766	1764	1772	1768	1772	1775	0- 5	42.45	42.45
10.0	1764	1750	1747	1737	1744	1745	1760	1759	5- 10	125.9	168.3
15.0	1731	1718	1699	1699	1702	1711	1720	1732	10- 15	205.3	373.7
20.0	1686	1661	1651	1637	1645	1654	1679	1681	15- 20	277.9	651.6
25.0	1624	1600	1575	1570	1577	1591	1610	1625	20- 25	341.6	993.2
30.0	1552	1521	1499	1486	1494	1511	1541	1552	25- 30	393.9	1387
35.0	1463	1427	1398	1391	1400	1419	1447	1463	30- 35	433.6	1821
40.0	1367	1327	1297	1289	1295	1321	1353	1369	35- 40	458.8	2280
45.0	1254	1207	1173	1168	1178	1203	1238	1255	40- 45	469.3	2749
50.0	1135	1085	1050	1047	1051	1083	1123	1139	45- 50	464.1	3213
55.0	998.8	942.8	907.4	908.0	910.9	948.3	988.8	1002	50- 55	443.1	3656
60.0	864.6	800.9	764.8	768.9	766.6	813.0	854.1	866.1	55- 60	407.4	4064
65.0	718.8	647.1	614.5	619.9	610.5	664.2	707.8	718.5	60- 65	358.1	4422
70.0	563.7	493.4	464.1	471.9	457.8	516.3	561.4	568.4	65- 70	297.0	4719
75.0	412.0	339.3	321.2	329.2	306.3	373.8	417.5	413.5	70- 75	228.5	4948
80.0	263.1	201.9	178.2	197.2	170.2	238.2	273.5	272.1	75- 80	156.8	5104
85.0	120.0	88.38	90.66	87.78	27.39	117.8	154.3	143.2	80- 85	88.01	5192
90.0	9.781	3.203	3.031	3.146	4.175	11.72	35.06	27.79	85- 90	31.11	5224
95.0	4.461	3.736	3.575	3.791	4.919	7.126	20.27	12.30	90- 95	5.140	5229
100.0	4.919	4.313	4.118	4.427	5.548	2.298	5.491	0	95-100	2.907	5232
105.0	5.434	4.921	4.661	5.045	6.006	0	0	0	100-105	1.674	5233
110.0	6.921	5.419	5.205	5.638	5.948	0	0	0	105-110	1.698	5235
115.0	7.893	6.012	5.748	6.203	6.463	0	0	0	110-115	1.780	5237
120.0	8.408	6.512	6.292	6.903	6.864	0	0	0	115-120	1.809	5239
125.0	8.866	7.238	6.835	7.437	0	0	0	0	120-125	1.730	5240
130.0	9.895	7.711	7.379	8.166	0	0	0	0	125-130	1.705	5242
135.0	9.895	8.155	7.922	8.724	0	0	0	0	130-135	1.701	5244
140.0	10.86	8.584	8.465	9.196	0	0	0	0	135-140	1.657	5245
145.0	11.38	9.279	9.009	9.643	0	0	0	0	140-145	1.583	5247
150.0	11.38	9.954	9.552	10.06	0	0	0	0	145-150	1.470	5248
155.0	11.38	10.47	10.09	10.82	0	0	0	0	150-155	1.321	5250
160.0	11.84	10.86	10.63	11.67	0	0	0	0	155-160	1.145	5251
165.0	12.35	11.25	11.18	11.49	0	0	0	0	160-165	0.939	5252
170.0	12.35	11.64	11.72	12.04	0	0	0	0	165-170	0.698	5252
175.0	12.35	12.42	12.26	12.42	0	0	0	0	170-175	0.436	5253
180.0	12.81	12.81	12.81	12.81	0	0	0	0	175-180	0.151	5253
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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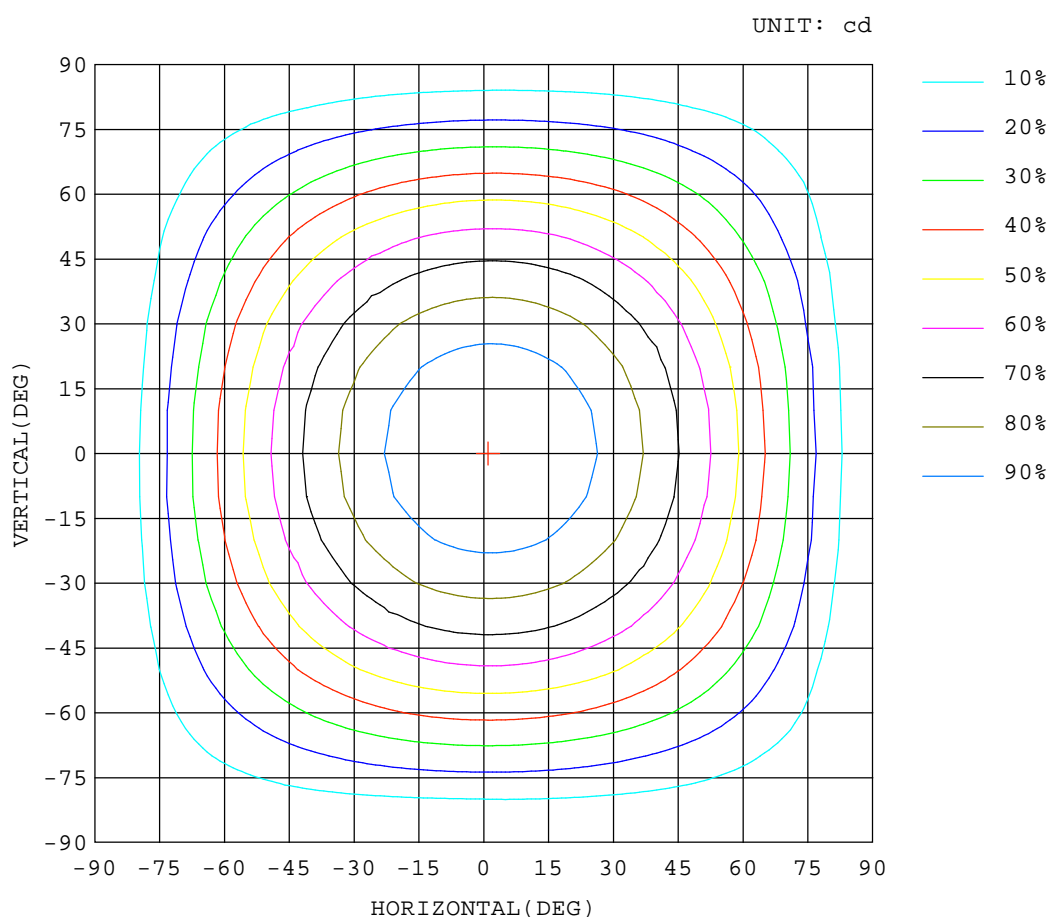
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ISOCANDELA DIAGRAM

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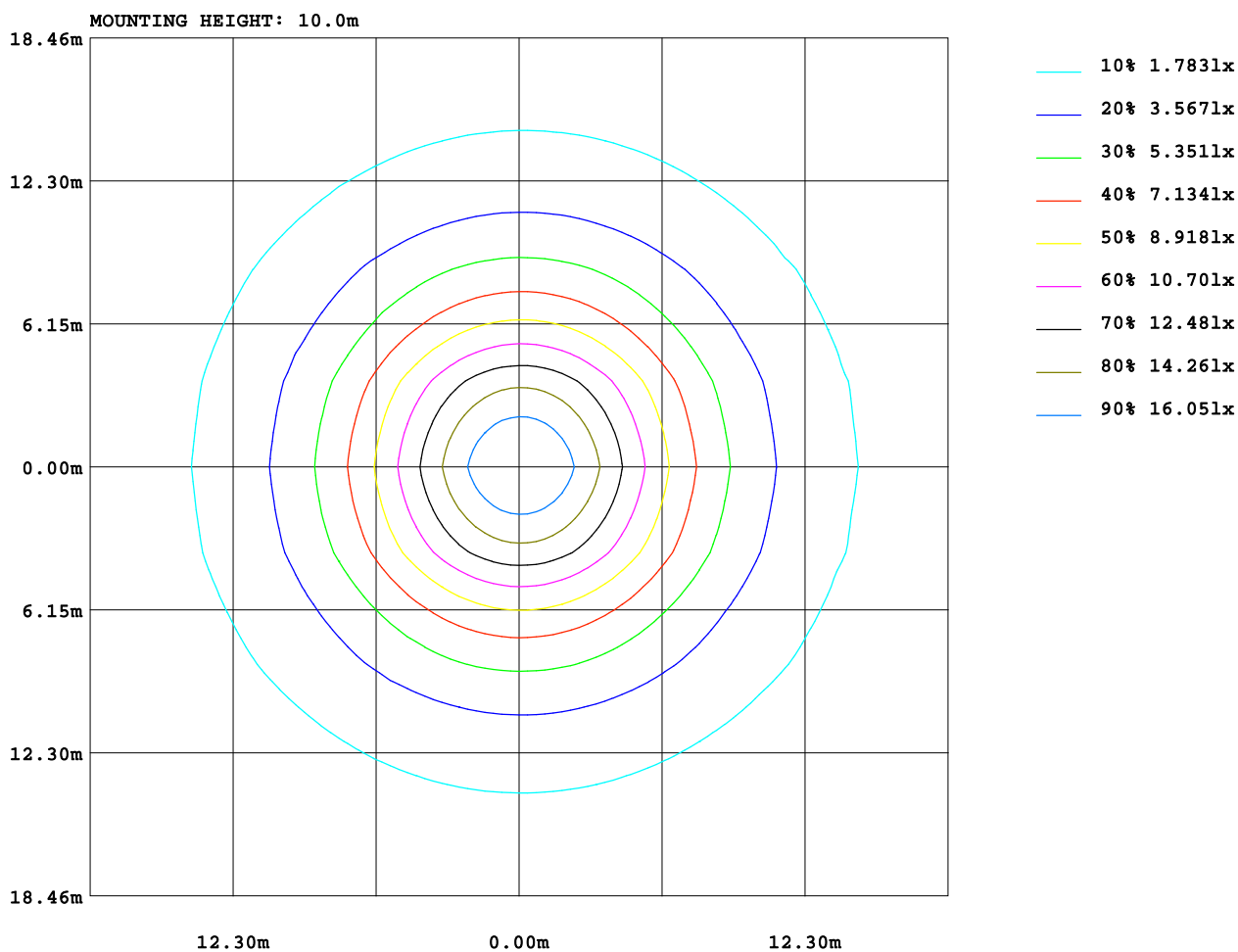
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ISOLUX DIAGRAM

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Uncorrected UGR Table

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SPECIFICATION:4000K CRI>80					DIMENSION: 150x1496mm			SERIAL No.:17022801		
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	20.0	21.5	20.3	21.8	22.0	19.6	21.1	19.8	21.3	21.5
3H	21.7	23.1	22.0	23.3	23.6	21.0	22.4	21.3	22.6	22.9
4H	22.3	23.7	22.7	24.0	24.2	21.5	22.9	21.9	23.2	23.4
6H	22.9	24.1	23.2	24.4	24.7	21.9	23.2	22.3	23.5	23.8
8H	23.0	24.3	23.4	24.6	24.9	22.0	23.3	22.4	23.5	23.9
12H	23.2	24.3	23.5	24.6	25.0	22.1	23.3	22.5	23.6	23.9
4H 2H	20.6	21.9	20.9	22.2	22.4	20.2	21.5	20.5	21.8	22.1
3H	22.4	23.5	22.7	23.9	24.2	21.8	23.0	22.2	23.3	23.6
4H	23.2	24.2	23.6	24.6	24.9	22.5	23.6	22.9	23.9	24.2
6H	23.8	24.8	24.2	25.1	25.5	23.0	23.9	23.4	24.3	24.7
8H	24.0	24.9	24.5	25.3	25.7	23.1	24.0	23.6	24.4	24.8
12H	24.2	25.0	24.6	25.4	25.8	23.3	24.1	23.7	24.5	24.9
8H 4H	23.4	24.3	23.8	24.6	25.0	22.8	23.7	23.2	24.0	24.4
6H	24.2	24.9	24.6	25.3	25.8	23.4	24.1	23.8	24.5	25.0
8H	24.5	25.1	24.9	25.5	26.0	23.6	24.3	24.1	24.7	25.2
12H	24.7	25.2	25.2	25.7	26.2	23.9	24.4	24.3	24.9	25.4
12H 4H	23.4	24.2	23.8	24.6	25.0	22.8	23.6	23.2	24.0	24.4
6H	24.2	24.8	24.7	25.3	25.7	23.4	24.1	23.9	24.5	25.0
8H	24.5	25.1	25.0	25.5	26.0	23.7	24.3	24.2	24.8	25.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5253 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.8)

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