

GONIOPHOTOMETERS SYSTEM TEST REPORT

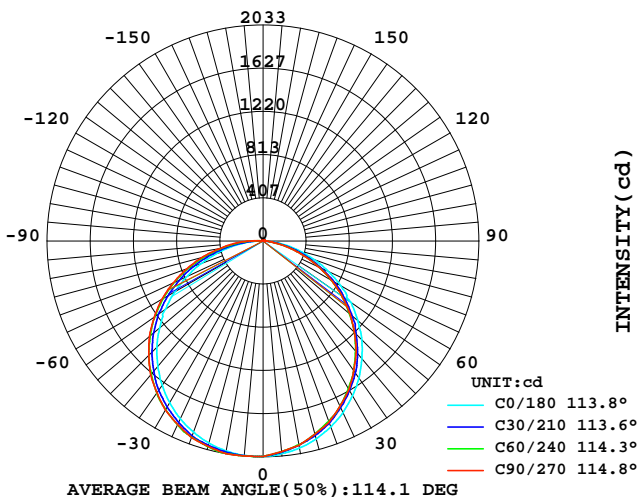
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17022706

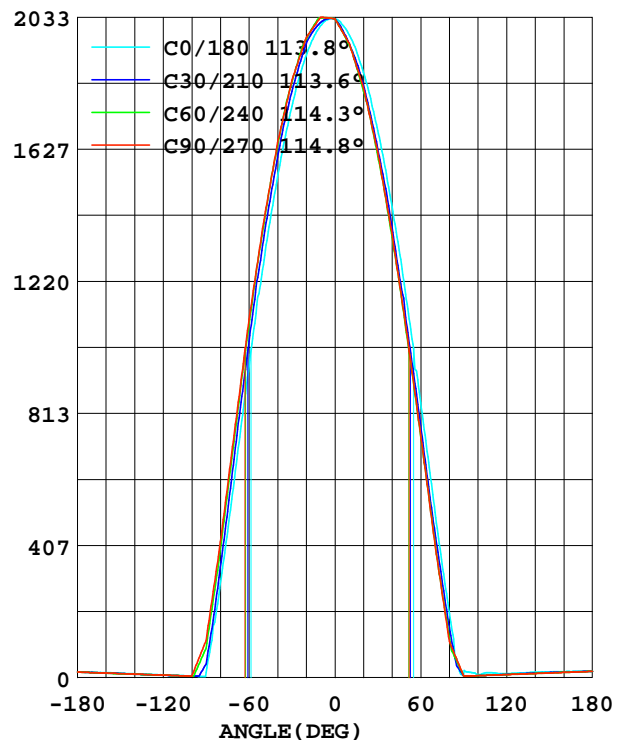
MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-X-15150N-80	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 150x1496mm	SERIAL No.:17022706

DATA OF LAMP		Imax(cd)	2034	S/MH(C0/180)	1.29
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.34
NOMINAL POWER(W)	80	TOTAL FLUX(lm)	5992.2	Voltage(V)	220.0
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	73.5	Current(A)	0.248
NOMINAL FLUX(lm)	5992.3	η up(%)	1.2	Power(W)	81.48
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.977
TEST VOLTAGE(V)	220.0	Effective Flux(lm)	5834.6	EEL	0.190

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

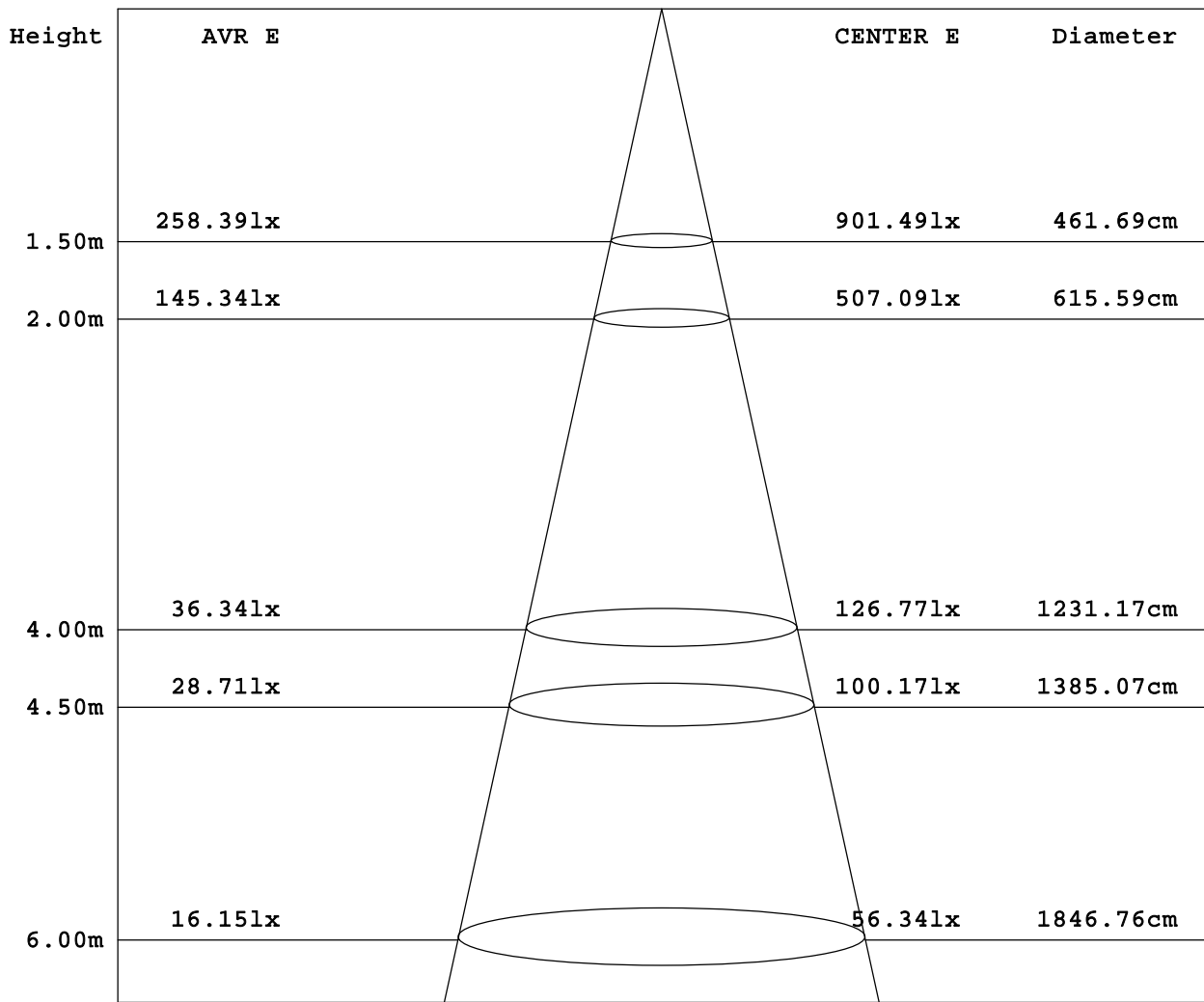
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

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AVERAGE AND CENTER E Figure

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MANUFACTURER: SGSLight Limited	Address:	
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Angle:114.0deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
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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	2026	2030	2031	2021	2011	1993	1990	2002	0- 5	48.26	48.26
10.0	2007	2025	2033	2004	1979	1947	1953	1968	5- 10	143.0	191.3
15.0	1970	2005	2002	1975	1931	1890	1884	1921	10- 15	233.3	424.6
20.0	1916	1957	1971	1920	1863	1810	1816	1848	15- 20	315.6	740.2
25.0	1846	1900	1905	1857	1783	1721	1717	1766	20- 25	387.7	1128
30.0	1759	1824	1839	1775	1684	1616	1617	1667	25- 30	446.7	1575
35.0	1658	1731	1743	1677	1575	1495	1491	1554	30- 35	491.2	2066
40.0	1542	1630	1648	1568	1448	1366	1365	1434	35- 40	519.1	2585
45.0	1414	1502	1523	1444	1315	1222	1217	1287	40- 45	530.0	3115
50.0	1271	1372	1398	1318	1165	1078	1070	1147	45- 50	523.2	3638
55.0	1122	1221	1250	1169	1012	914.0	908.2	979.9	50- 55	499.3	4138
60.0	957.3	1067	1103	1017	845.7	750.9	746.7	817.3	55- 60	458.2	4596
65.0	791.2	893.1	932.8	855.3	679.1	589.9	577.8	642.9	60- 65	402.8	4999
70.0	617.0	720.1	762.6	690.9	508.5	430.9	408.9	474.9	65- 70	334.6	5334
75.0	448.9	543.4	589.9	522.3	349.0	273.3	259.8	311.9	70- 75	258.1	5592
80.0	290.5	371.3	417.2	364.7	197.4	139.7	110.8	163.9	75- 80	178.6	5770
85.0	157.7	212.3	266.0	218.1	58.80	47.30	58.16	57.66	80- 85	103.9	5874
90.0	16.46	69.04	114.7	81.68	8.673	5.684	5.488	5.292	85- 90	45.30	5920
95.0	3.724	23.60	59.65	27.14	16.26	5.484	5.733	5.292	90- 95	14.50	5934
100.0	5.291	4.860	4.557	4.768	9.506	5.942	5.978	5.603	95-100	5.397	5940
105.0	5.733	5.400	5.341	5.681	14.40	6.857	6.811	6.183	100-105	3.143	5943
110.0	6.958	5.992	6.125	6.543	14.84	7.798	7.644	6.807	105-110	3.499	5946
115.0	6.762	6.637	6.909	7.464	12.49	8.804	8.477	7.526	110-115	3.724	5950
120.0	8.231	7.312	7.693	8.322	12.64	9.668	9.309	8.266	115-120	3.938	5954
125.0	9.064	8.062	8.476	9.245	13.62	10.62	10.14	9.041	120-125	4.149	5958
130.0	10.29	8.895	9.261	10.02	14.20	11.50	10.97	9.992	125-130	4.322	5962
135.0	11.12	9.768	10.04	10.93	15.58	12.47	11.80	10.79	130-135	4.380	5967
140.0	11.61	10.59	10.82	11.83	16.85	13.27	12.64	11.67	135-140	4.334	5971
145.0	12.78	11.41	11.61	12.57	17.34	14.00	13.47	12.78	140-145	4.197	5975
150.0	13.91	12.20	12.39	13.40	17.83	14.90	14.30	13.74	145-150	3.958	5979
155.0	14.74	13.02	13.18	14.14	18.32	15.86	15.14	14.74	150-155	3.612	5983
160.0	15.14	13.87	13.96	15.06	18.42	16.53	15.97	15.79	155-160	3.163	5986
165.0	15.58	14.44	14.74	15.36	18.47	17.46	16.80	16.74	160-165	2.609	5989
170.0	15.97	15.61	15.53	16.27	19.25	17.76	17.63	17.71	165-170	1.964	5991
175.0	16.70	16.54	16.31	16.87	19.30	18.71	18.47	18.51	170-175	1.235	5992
180.0	17.10	17.10	17.10	17.10	19.30	19.30	19.30	19.30	175-180	0.427	5992
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
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 Operators:Jason
 Test Date:2017/02/27

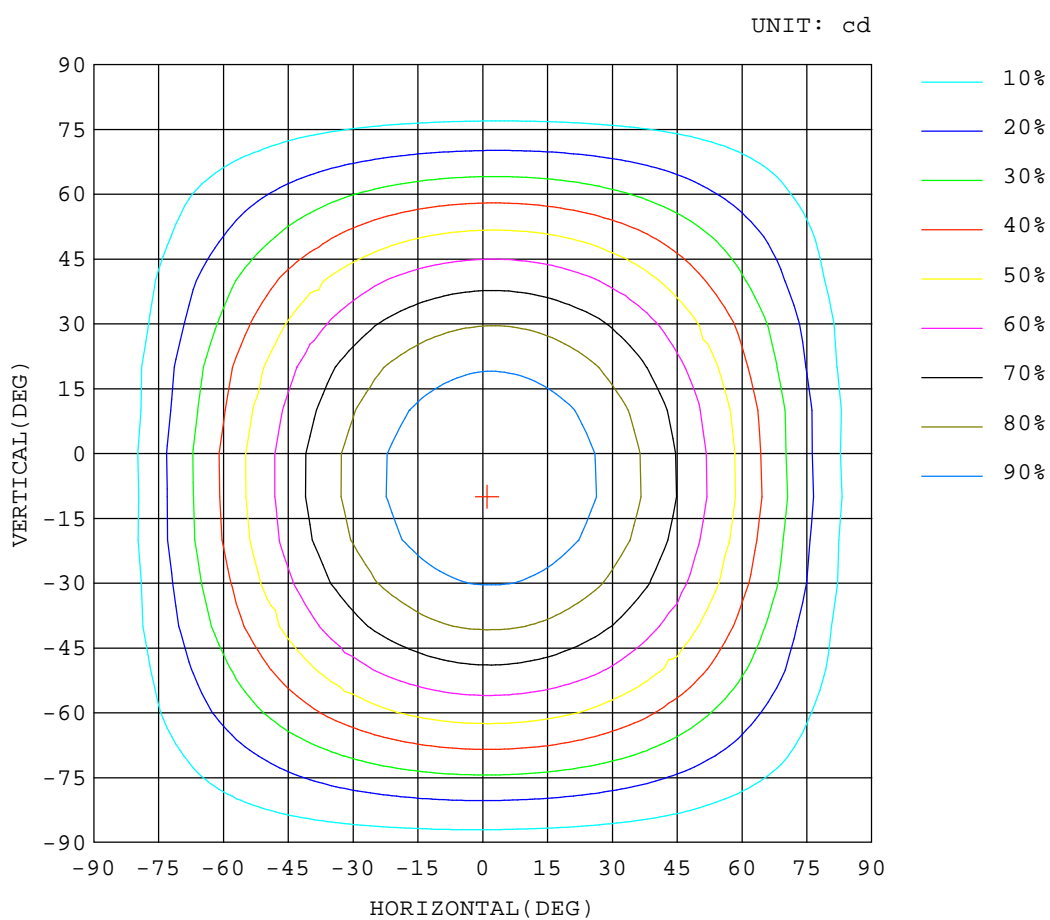
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ISOCANDELA DIAGRAM

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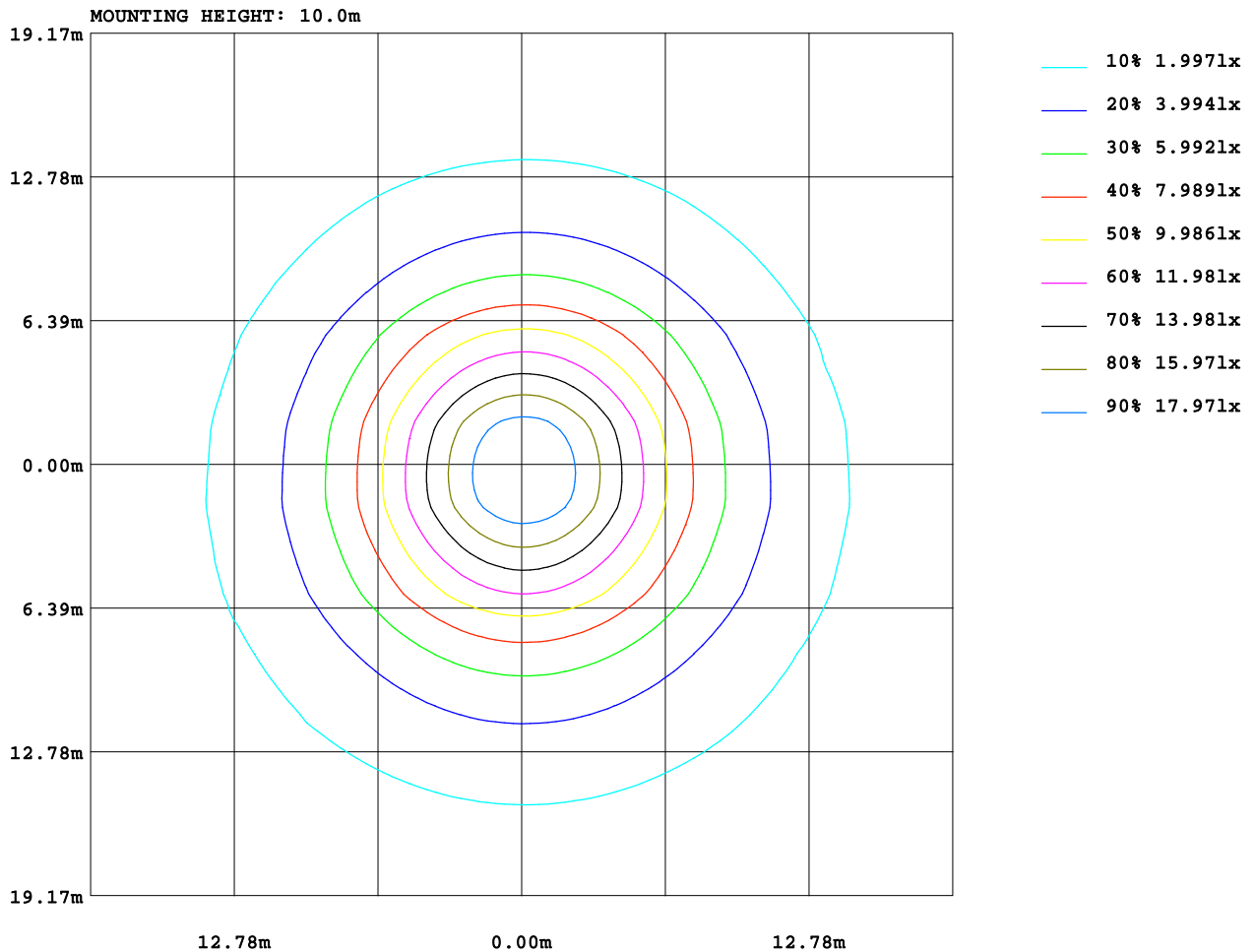
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 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

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ISOLUX DIAGRAM

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Uncorrected UGR Table

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MANUFACTURER: SGSLight Limited						Address:				
NAME: TLP-X-15150N-80						TYPE:LED Panel Light			WEIGHT:	
SPECIFICATION:4000K CRI>80						DIMENSION: 150x1496mm			SERIAL No.:17022706	
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	20.8	22.3	21.1	22.5	22.8	21.3	22.8	21.6	23.0	23.2
3H	22.4	23.8	22.7	24.1	24.3	23.1	24.5	23.4	24.8	25.0
4H	23.1	24.4	23.4	24.7	25.0	24.0	25.3	24.3	25.6	25.9
6H	23.6	24.8	23.9	25.1	25.4	24.7	26.0	25.1	26.3	26.6
8H	23.8	25.0	24.1	25.3	25.6	25.0	26.3	25.4	26.6	26.9
12H	23.9	25.1	24.3	25.4	25.7	25.4	26.5	25.7	26.8	27.2
4H 2H	21.5	22.9	21.9	23.2	23.4	21.9	23.3	22.3	23.5	23.8
3H	23.4	24.5	23.7	24.9	25.2	24.0	25.1	24.3	25.5	25.8
4H	24.2	25.2	24.6	25.6	25.9	25.0	26.0	25.4	26.4	26.7
6H	24.8	25.8	25.2	26.2	26.5	25.9	26.8	26.3	27.2	27.6
8H	25.1	26.0	25.5	26.4	26.8	26.3	27.2	26.7	27.6	28.0
12H	25.3	26.1	25.7	26.5	26.9	26.7	27.5	27.1	27.9	28.3
8H 4H	24.6	25.5	25.0	25.9	26.3	25.3	26.2	25.7	26.6	27.0
6H	25.4	26.2	25.9	26.6	27.1	26.4	27.1	26.8	27.5	28.0
8H	25.8	26.5	26.3	26.9	27.4	26.9	27.6	27.4	28.0	28.5
12H	26.1	26.6	26.6	27.1	27.6	27.5	28.1	28.0	28.5	29.0
12H 4H	24.7	25.5	25.1	25.9	26.3	25.3	26.1	25.7	26.5	27.0
6H	25.6	26.2	26.1	26.7	27.2	26.5	27.1	26.9	27.6	28.0
8H	26.0	26.6	26.5	27.0	27.5	27.1	27.6	27.6	28.1	28.6
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 5992 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.2)

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 Operators:Jason
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