

GONIOPHOTOMETERS SYSTEM TEST REPORT

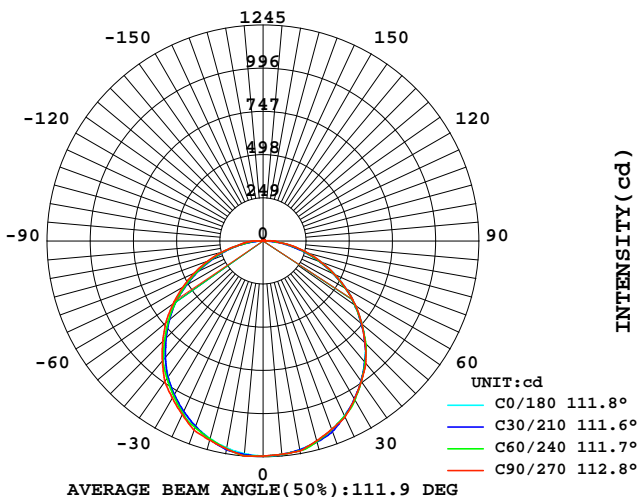
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17090311

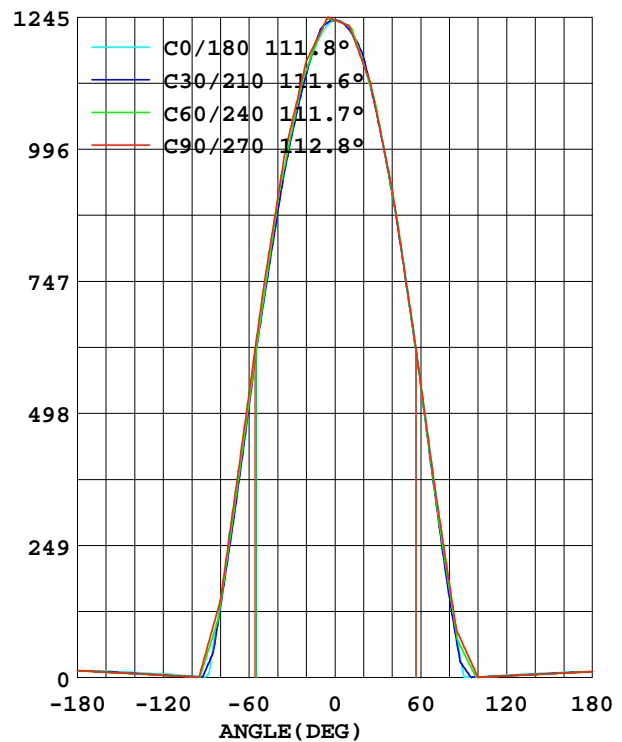
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-30120-36-NW-100	TYPE:LED Panel Light	WEIGHT:	
SPECIFICATION:4000K CRI>80	DIMENSION: 1196x296mm	SERIAL No.:17090311	

DATA OF LAMP		Imax(cd)	1245	S/MH(C0/180)	1.24
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	3623.9	Voltage(V)	218.8
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	103.2	Current(A)	0.163
NOMINAL FLUX(lm)	3623.9	η up(%)	1.2	Power(W)	35.09
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.973
TEST VOLTAGE(V)	218.9	Effective Flux(lm)	3519.3	EEI	0.136

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-09-03

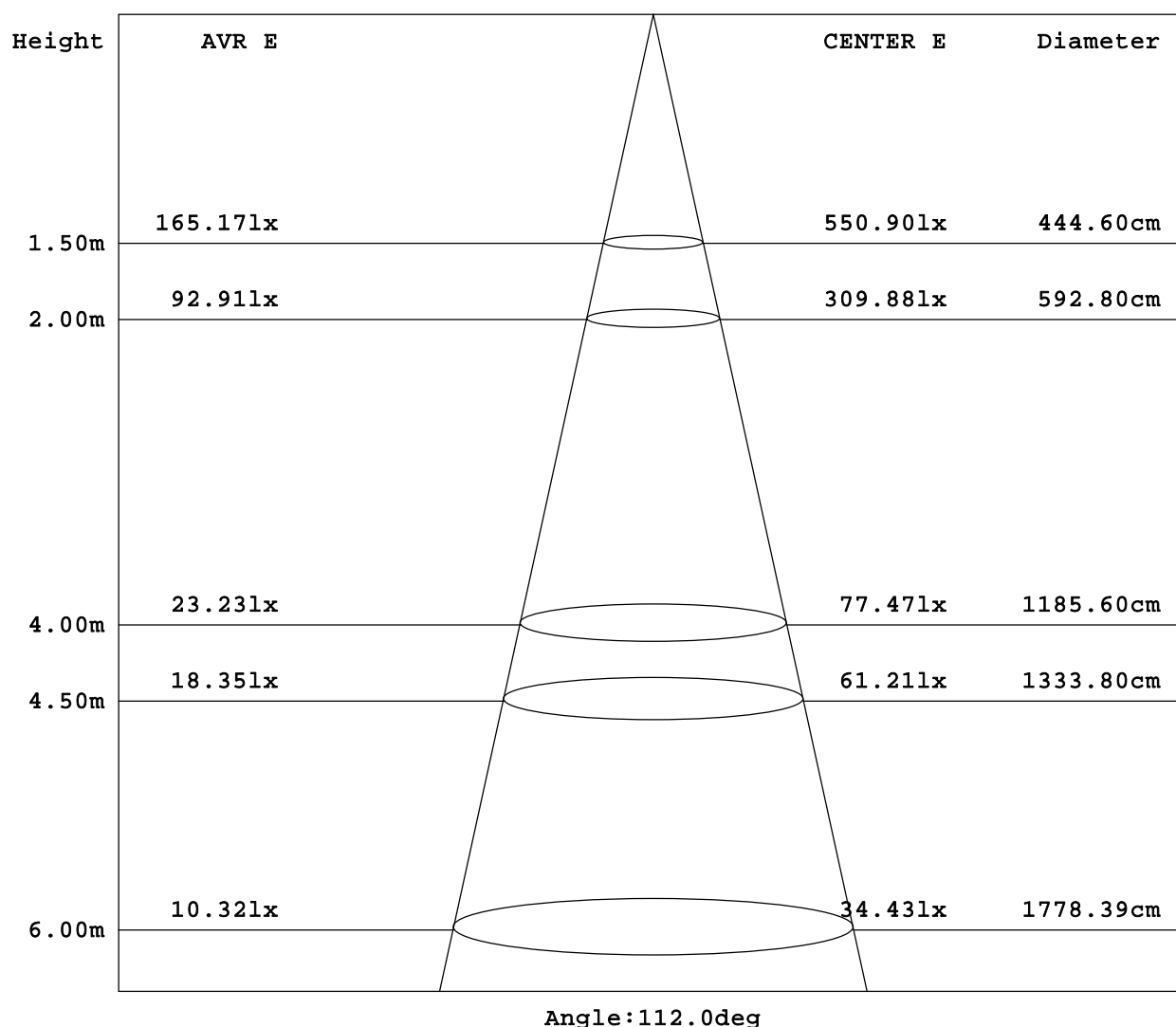
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

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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	1230	1238	1245	1242	1236	1235	1234	1231	0- 5	29.59	29.59
10.0	1210	1217	1217	1225	1221	1224	1229	1216	5- 10	87.88	117.4
15.0	1180	1180	1189	1194	1195	1204	1192	1192	10- 15	143.0	260.5
20.0	1137	1138	1162	1159	1158	1160	1156	1146	15- 20	193.1	453.6
25.0	1085	1091	1104	1120	1112	1110	1120	1096	20- 25	236.8	690.4
30.0	1025	1029	1046	1063	1053	1056	1054	1043	25- 30	272.3	962.7
35.0	956.4	955.5	988.6	991.0	987.1	991.6	988.2	980.6	30- 35	298.2	1261
40.0	878.7	883.1	903.2	917.4	913.9	911.0	922.5	901.7	35- 40	314.4	1576
45.0	797.1	806.4	817.9	840.8	830.7	829.6	832.7	820.7	40- 45	319.7	1895
50.0	708.5	707.3	732.6	747.6	745.0	748.7	742.9	739.5	45- 50	314.0	2209
55.0	614.2	609.5	634.3	656.4	654.1	646.6	653.2	641.7	50- 55	298.3	2508
60.0	520.0	513.8	536.0	563.8	555.0	546.0	554.0	547.8	55- 60	273.1	2781
65.0	422.4	413.1	437.6	461.2	457.6	447.2	455.0	452.6	60- 65	239.5	3020
70.0	324.1	317.4	340.3	359.6	360.1	346.1	355.8	356.9	65- 70	199.5	3220
75.0	232.8	223.7	243.0	263.6	267.6	247.9	267.1	263.2	70- 75	155.6	3376
80.0	145.9	134.3	145.6	170.4	168.6	160.9	178.5	178.4	75- 80	109.6	3485
85.0	59.29	66.71	97.36	93.88	86.06	76.72	89.80	95.75	80- 85	65.20	3550
90.0	2.766	28.10	49.03	39.10	5.733	35.06	60.03	47.96	85- 90	30.20	3581
95.0	2.133	1.191	0.700	0.820	1.266	10.82	30.26	14.52	90- 95	10.27	3591
100.0	3.266	1.840	1.433	1.854	1.800	0.920	0.500	1.006	95-100	2.130	3593
105.0	3.933	2.470	2.166	2.805	1.899	1.460	1.166	1.862	100-105	1.154	3594
110.0	4.966	3.159	2.900	3.713	2.533	2.020	1.833	2.724	105-110	1.553	3596
115.0	5.533	3.916	3.633	4.576	3.166	2.628	2.500	3.620	110-115	1.887	3598
120.0	6.666	4.551	4.366	5.392	4.233	3.179	3.166	4.397	115-120	2.165	3600
125.0	7.233	5.401	5.100	6.160	5.400	3.840	3.833	5.129	120-125	2.391	3602
130.0	7.800	5.986	5.833	6.943	5.933	4.375	4.500	6.083	125-130	2.556	3605
135.0	8.933	6.536	6.566	7.894	7.000	5.073	5.166	6.762	130-135	2.662	3607
140.0	9.966	7.418	7.300	8.566	7.533	5.760	5.833	7.404	135-140	2.698	3610
145.0	10.53	8.258	8.033	9.203	8.066	6.581	6.500	8.012	140-145	2.653	3613
150.0	10.53	9.172	8.766	9.933	8.600	7.435	7.166	8.590	145-150	2.539	3615
155.0	11.09	9.700	9.500	10.70	9.566	7.910	7.833	9.145	150-155	2.343	3618
160.0	12.13	10.21	10.23	11.04	10.09	8.805	8.499	9.679	155-160	2.076	3620
165.0	12.13	10.92	10.96	11.77	10.63	9.484	9.166	10.19	160-165	1.721	3622
170.0	12.69	12.12	11.70	12.12	11.16	10.21	9.833	10.70	165-170	1.304	3623
175.0	13.16	12.64	12.43	12.64	11.16	10.69	10.49	11.20	170-175	0.826	3624
180.0	13.16	13.16	13.16	13.16	11.16	11.16	11.16	11.16	175-180	0.286	3624
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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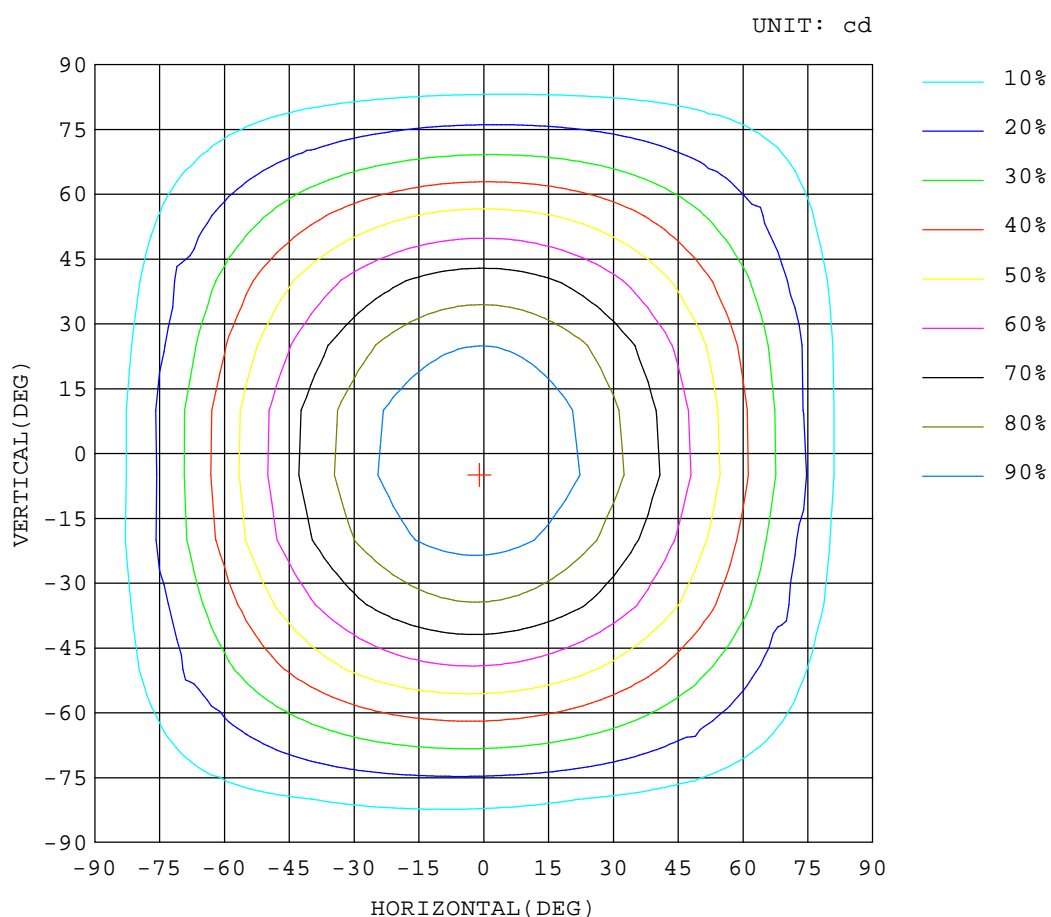
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ISOCANDELA DIAGRAM

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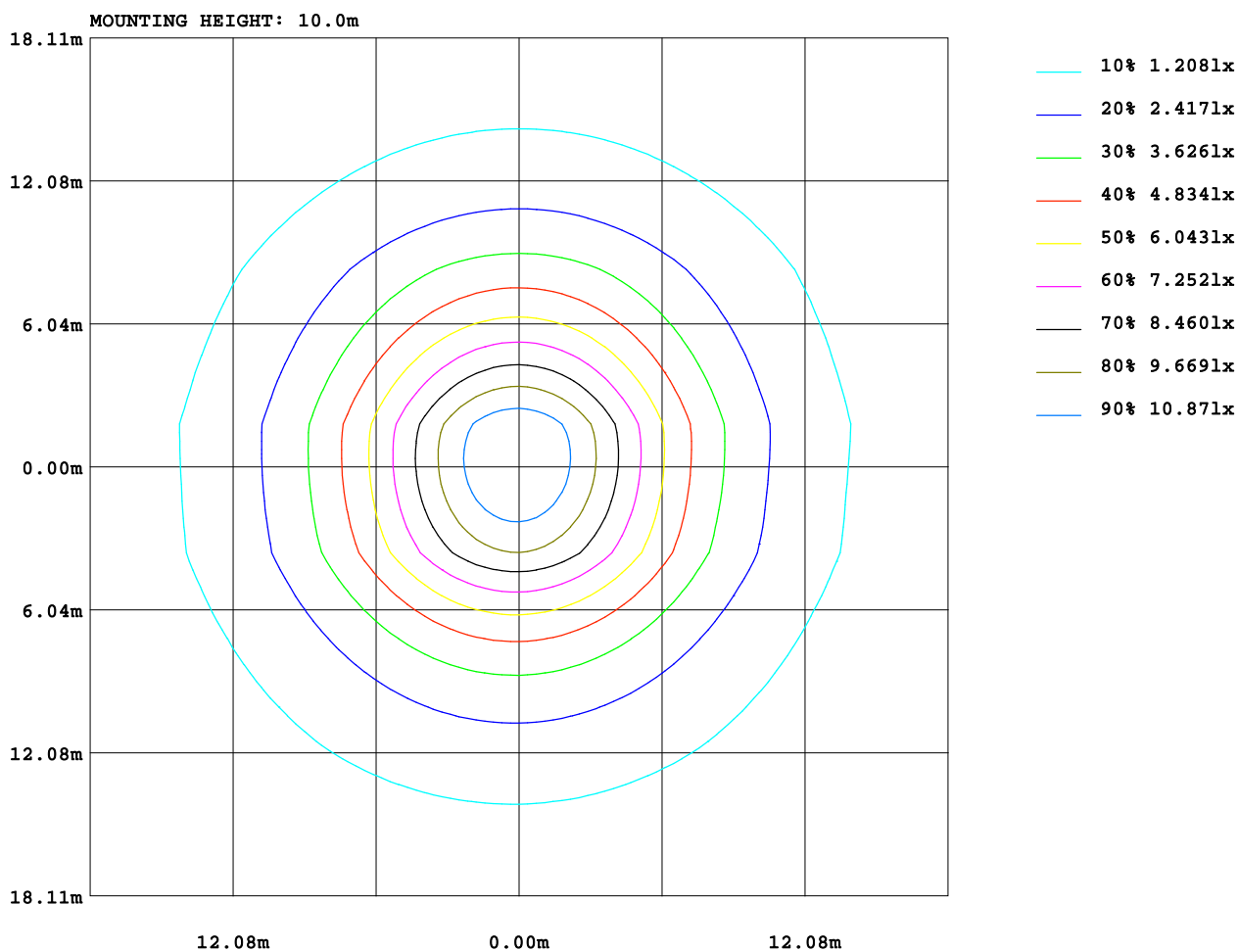
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ISOLUX DIAGRAM

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Uncorrected UGR Table

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SPECIFICATION:4000K CRI>80					DIMENSION: 1196x296mm			SERIAL No.:17090311		
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	16.4	17.9	16.6	18.1	18.3	16.5	18.0	16.8	18.3	18.5
3H	17.8	19.2	18.2	19.5	19.8	18.1	19.5	18.4	19.7	20.0
4H	18.4	19.8	18.8	20.0	20.3	18.7	20.0	19.0	20.3	20.6
6H	18.9	20.1	19.2	20.4	20.7	19.2	20.4	19.5	20.7	21.0
8H	19.0	20.2	19.4	20.5	20.8	19.3	20.6	19.7	20.9	21.2
12H	19.1	20.2	19.4	20.6	20.9	19.5	20.7	19.9	21.0	21.4
4H 2H	16.9	18.3	17.3	18.6	18.8	17.1	18.4	17.4	18.7	19.0
3H	18.6	19.8	19.0	20.1	20.4	18.8	20.0	19.2	20.3	20.6
4H	19.3	20.4	19.7	20.7	21.1	19.6	20.6	20.0	21.0	21.3
6H	19.8	20.8	20.3	21.2	21.6	20.1	21.1	20.6	21.5	21.9
8H	20.0	20.9	20.5	21.3	21.7	20.4	21.3	20.8	21.7	22.1
12H	20.1	20.9	20.6	21.3	21.8	20.7	21.5	21.1	21.9	22.3
8H 4H	19.6	20.5	20.0	20.9	21.3	19.8	20.7	20.2	21.1	21.5
6H	20.3	21.0	20.7	21.4	21.9	20.5	21.3	21.0	21.7	22.1
8H	20.5	21.2	21.0	21.6	22.1	20.9	21.5	21.4	22.0	22.5
12H	20.7	21.2	21.2	21.7	22.2	21.3	21.9	21.8	22.3	22.8
12H 4H	19.6	20.4	20.0	20.8	21.2	19.8	20.6	20.2	21.0	21.5
6H	20.3	21.0	20.8	21.4	21.9	20.6	21.2	21.0	21.7	22.2
8H	20.6	21.2	21.1	21.6	22.1	21.0	21.5	21.5	22.0	22.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 3624 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.5)

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