

GONIOPHOTOMETERS SYSTEM TEST REPORT

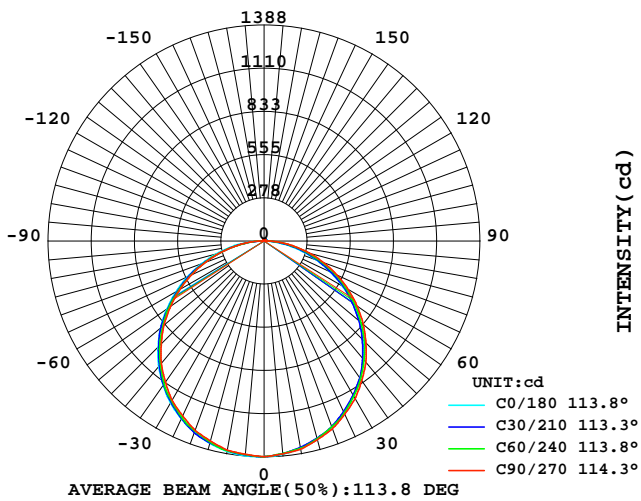
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 16062204

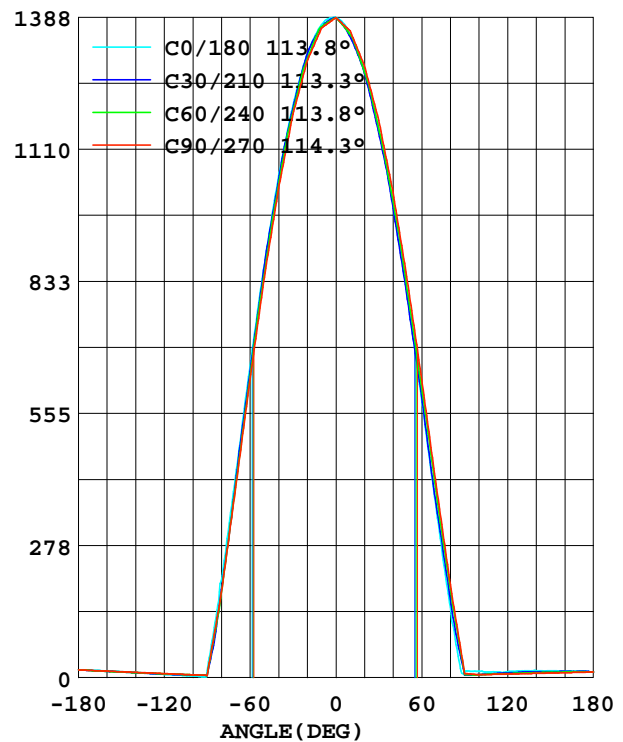
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-V-1512N-54-IP65		TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90		DIMENSION: 150x1196mm	SERIAL No.:16062204

DATA OF LAMP		Imax(cd)	1388	S/MH(C0/180)	1.29
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	54	TOTAL FLUX(lm)	4094.3	Voltage(V)	229.6
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	75.6	Current(A)	0.205
NOMINAL FLUX(lm)	4094.3	η up(%)	1.3	Power(W)	54.13
LAMPS QUANTITY	1	η down(%)	98.7	Power Factor(PF)	0.943
TEST VOLTAGE(V)	229.6	Effective Flux(lm)	4094.3	EEL	0.180

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2016-06-22

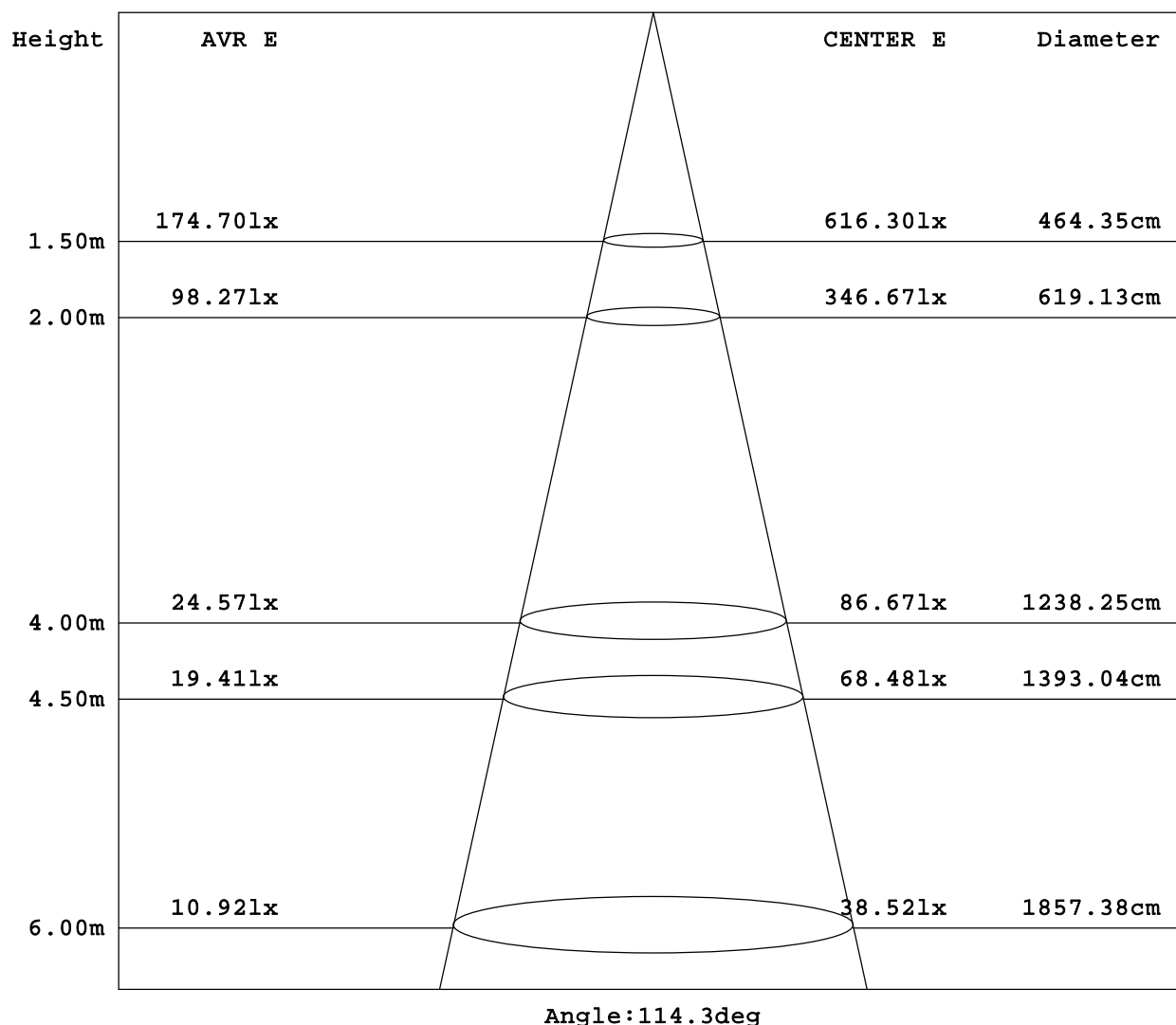
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

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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	1385	1379	1376	1373	1376	1370	1373	1377	0- 5	32.99	32.99
10.0	1372	1367	1365	1353	1353	1348	1359	1363	5- 10	97.80	130.7
15.0	1346	1344	1331	1324	1319	1316	1322	1339	10- 15	159.4	290.2
20.0	1310	1302	1296	1277	1273	1267	1285	1295	15- 20	215.5	505.7
25.0	1260	1254	1240	1227	1218	1215	1228	1246	20- 25	264.6	770.3
30.0	1203	1194	1184	1161	1152	1149	1171	1186	25- 30	304.7	1075
35.0	1131	1123	1106	1087	1075	1072	1095	1115	30- 35	334.9	1410
40.0	1053	1046	1028	1007	992.3	992.4	1019	1041	35- 40	353.7	1764
45.0	963.0	952.5	934.8	915.6	898.1	901.9	926.1	949.2	40- 45	361.1	2125
50.0	867.9	856.5	841.3	822.1	799.1	809.8	833.3	854.9	45- 50	356.2	2481
55.0	762.6	749.4	733.7	714.7	692.1	701.6	729.9	749.9	50- 55	339.8	2821
60.0	654.8	643.0	626.1	608.2	583.0	594.7	626.5	645.7	55- 60	312.1	3133
65.0	542.6	522.6	512.8	499.1	467.9	489.5	516.5	530.3	60- 65	275.0	3408
70.0	425.5	405.8	399.5	388.9	358.1	381.7	406.6	417.2	65- 70	229.6	3638
75.0	313.6	292.5	288.8	278.2	247.1	272.2	300.9	306.9	70- 75	178.8	3817
80.0	203.7	180.0	178.0	176.3	147.0	175.1	195.2	198.4	75- 80	125.4	3942
85.0	105.0	82.34	91.31	84.88	53.14	86.33	101.9	97.97	80- 85	72.21	4015
90.0	15.12	4.536	4.608	4.680	8.353	5.400	8.641	8.425	85- 90	24.70	4039
95.0	2.520	5.349	5.220	5.149	13.03	5.721	7.345	6.546	90- 95	3.218	4042
100.0	3.672	5.915	5.833	5.909	13.68	6.302	6.049	5.851	95-100	3.284	4046
105.0	4.248	6.308	6.481	6.794	11.95	7.060	6.409	5.993	100-105	3.461	4049
110.0	4.896	6.726	7.129	7.635	12.45	7.785	6.769	6.257	105-110	3.672	4053
115.0	6.049	7.205	7.777	8.506	11.30	8.433	7.129	6.435	110-115	3.840	4057
120.0	6.697	7.794	8.425	9.312	12.31	9.062	7.489	6.603	115-120	3.959	4061
125.0	7.849	8.232	9.073	10.11	13.17	9.504	7.849	7.011	120-125	4.053	4065
130.0	9.073	8.920	9.721	10.77	14.40	9.983	8.209	7.039	125-130	4.070	4069
135.0	9.721	9.626	10.36	11.66	14.47	10.73	8.569	7.765	130-135	4.008	4073
140.0	10.87	10.37	11.01	12.35	14.54	11.23	8.929	8.319	135-140	3.865	4077
145.0	11.52	11.17	11.66	12.93	13.97	11.38	9.289	8.609	140-145	3.653	4080
150.0	12.67	11.76	12.31	13.59	14.54	11.80	9.649	9.234	145-150	3.380	4084
155.0	13.25	12.33	12.96	14.13	14.04	12.20	10.00	9.534	150-155	3.039	4087
160.0	14.40	13.38	13.61	14.26	14.04	12.58	10.36	10.22	155-160	2.614	4089
165.0	15.05	13.81	14.25	15.23	14.04	12.26	10.72	10.46	160-165	2.125	4091
170.0	15.05	14.75	14.90	15.73	13.53	12.87	11.08	10.77	165-170	1.577	4093
175.0	15.62	15.74	15.55	15.74	13.53	12.65	11.45	11.55	170-175	0.981	4094
180.0	16.20	16.20	16.20	16.20	11.81	11.81	11.81	11.81	175-180	0.333	4094
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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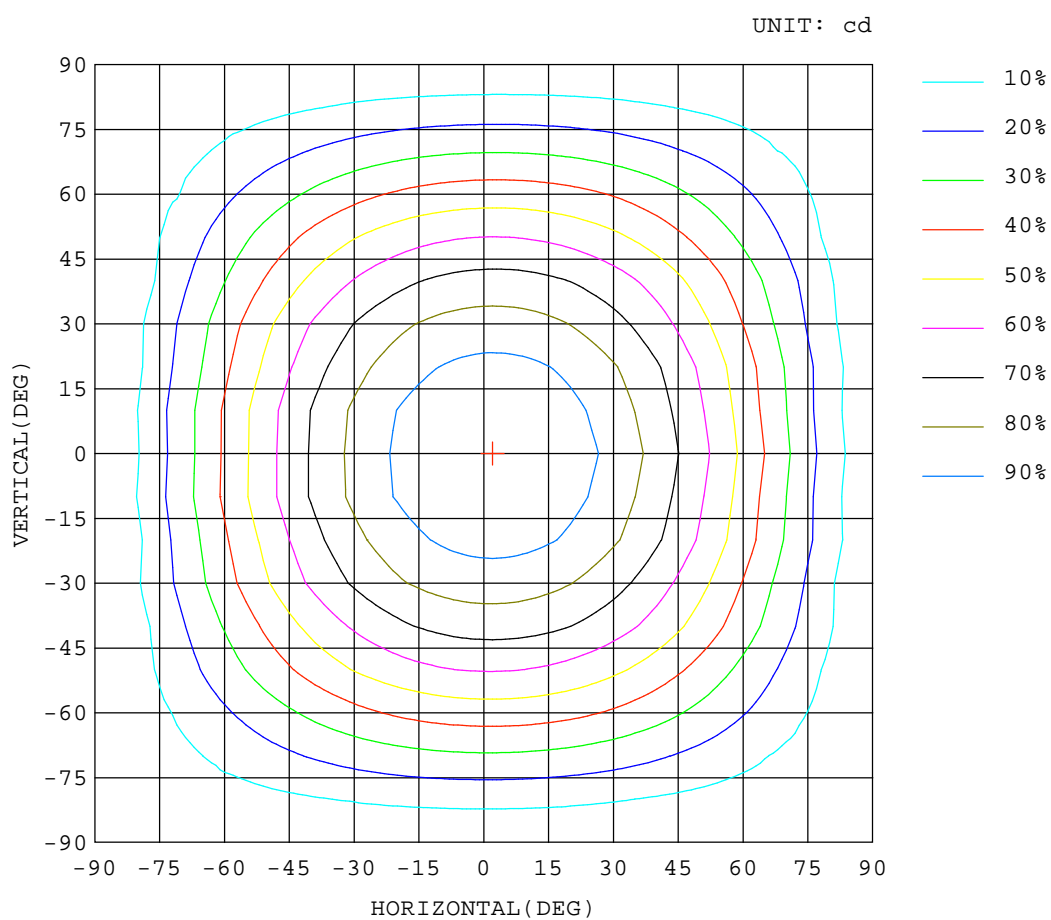
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ISOCANDELA DIAGRAM

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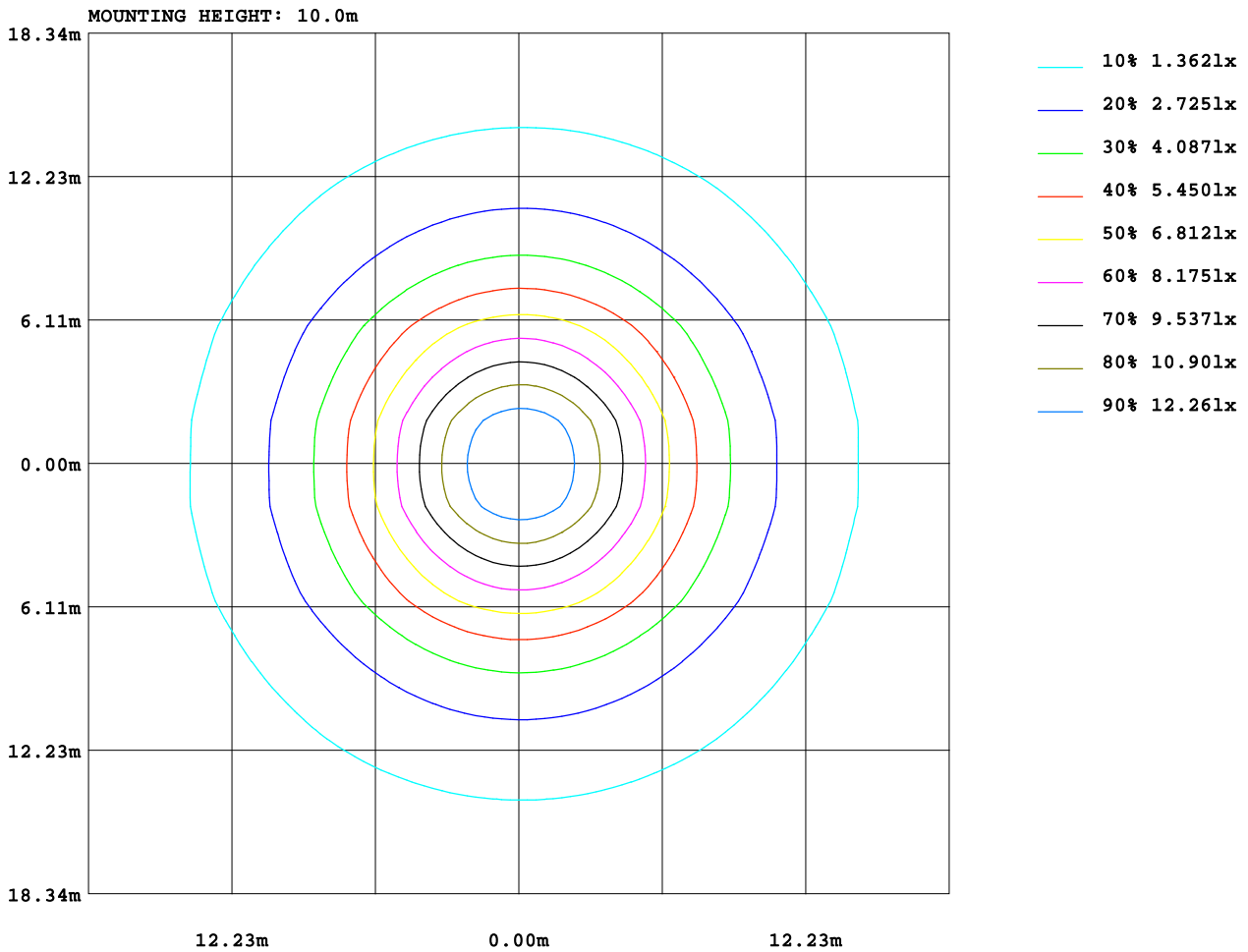
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ISOLUX DIAGRAM

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Uncorrected UGR Table

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SPECIFICATION:4000K CRI>90					DIMENSION: 150x1196mm			SERIAL No.:16062204		
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	19.9	21.4	20.2	21.6	21.9	19.7	21.2	20.0	21.4	21.7
3H	21.5	22.9	21.8	23.2	23.4	21.3	22.7	21.6	22.9	23.2
4H	22.2	23.5	22.5	23.8	24.1	21.9	23.2	22.3	23.5	23.8
6H	22.7	24.0	23.1	24.3	24.6	22.4	23.7	22.8	24.0	24.3
8H	23.0	24.2	23.3	24.5	24.8	22.6	23.8	22.9	24.1	24.4
12H	23.1	24.3	23.5	24.6	24.9	22.7	23.9	23.1	24.2	24.5
4H 2H	20.5	21.8	20.8	22.1	22.4	20.3	21.7	20.7	21.9	22.2
3H	22.3	23.5	22.7	23.8	24.1	22.1	23.3	22.5	23.6	23.9
4H	23.1	24.2	23.5	24.5	24.9	22.9	23.9	23.3	24.3	24.6
6H	23.8	24.7	24.2	25.1	25.5	23.5	24.4	23.9	24.8	25.2
8H	24.0	24.9	24.5	25.3	25.7	23.7	24.6	24.2	25.0	25.4
12H	24.2	25.0	24.7	25.5	25.9	23.9	24.7	24.4	25.1	25.6
8H 4H	23.4	24.3	23.8	24.6	25.1	23.2	24.1	23.6	24.4	24.9
6H	24.2	24.9	24.7	25.4	25.8	23.9	24.7	24.4	25.1	25.6
8H	24.5	25.2	25.0	25.6	26.1	24.3	24.9	24.7	25.4	25.8
12H	24.8	25.4	25.3	25.8	26.4	24.6	25.1	25.1	25.6	26.1
12H 4H	23.4	24.2	23.8	24.6	25.0	23.2	24.0	23.6	24.4	24.8
6H	24.2	24.9	24.7	25.4	25.8	24.0	24.7	24.5	25.1	25.6
8H	24.6	25.2	25.1	25.7	26.2	24.4	24.9	24.9	25.4	25.9
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 4094 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.9)

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