

# GONIOPHOTOMETERS SYSTEM TEST REPORT

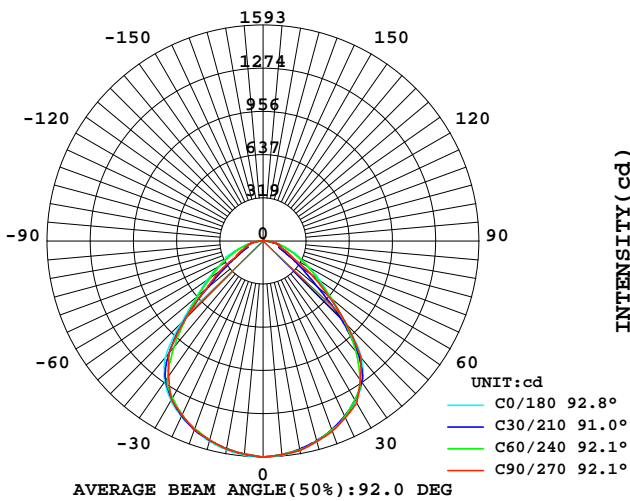
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 19052002

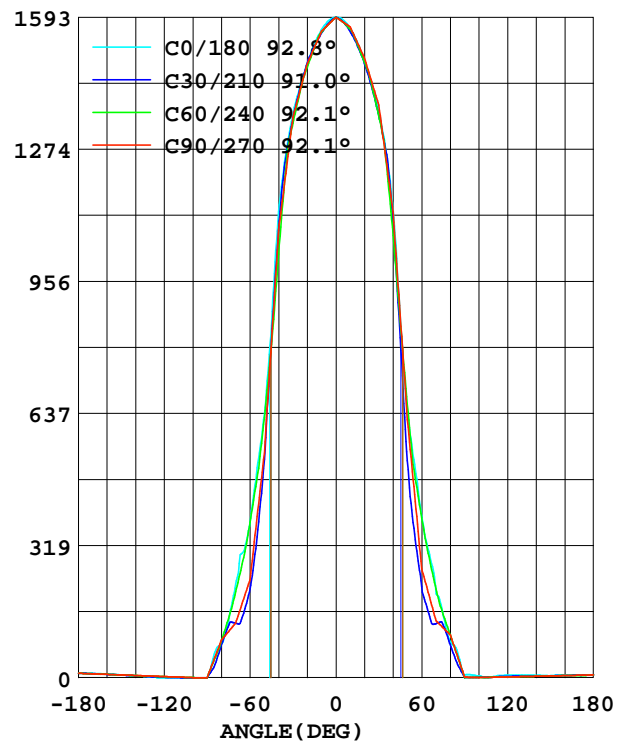
MANUFACTURER: SGSLight Limited	Address:	
NAME: BLIT-6060-30D-40-UGR	TYPE:Back-lit LED Panel	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:19052002

DATA OF LAMP		Imax(cd)	1593	S/MH(C0/180)	1.27
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	3536.4	Voltage(V)	218.8
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	124.5	Current(A)	0.134
NOMINAL FLUX(lm)	3536.4	$\eta$ up(%)	0.4	Power(W)	28.41
LAMPS QUANTITY	1	$\eta$ down(%)	99.6	Power Factor(PF)	0.962
TEST VOLTAGE(V)	218.9	Effective Flux(lm)	3357.8	EEL	0.115

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2019-05-20

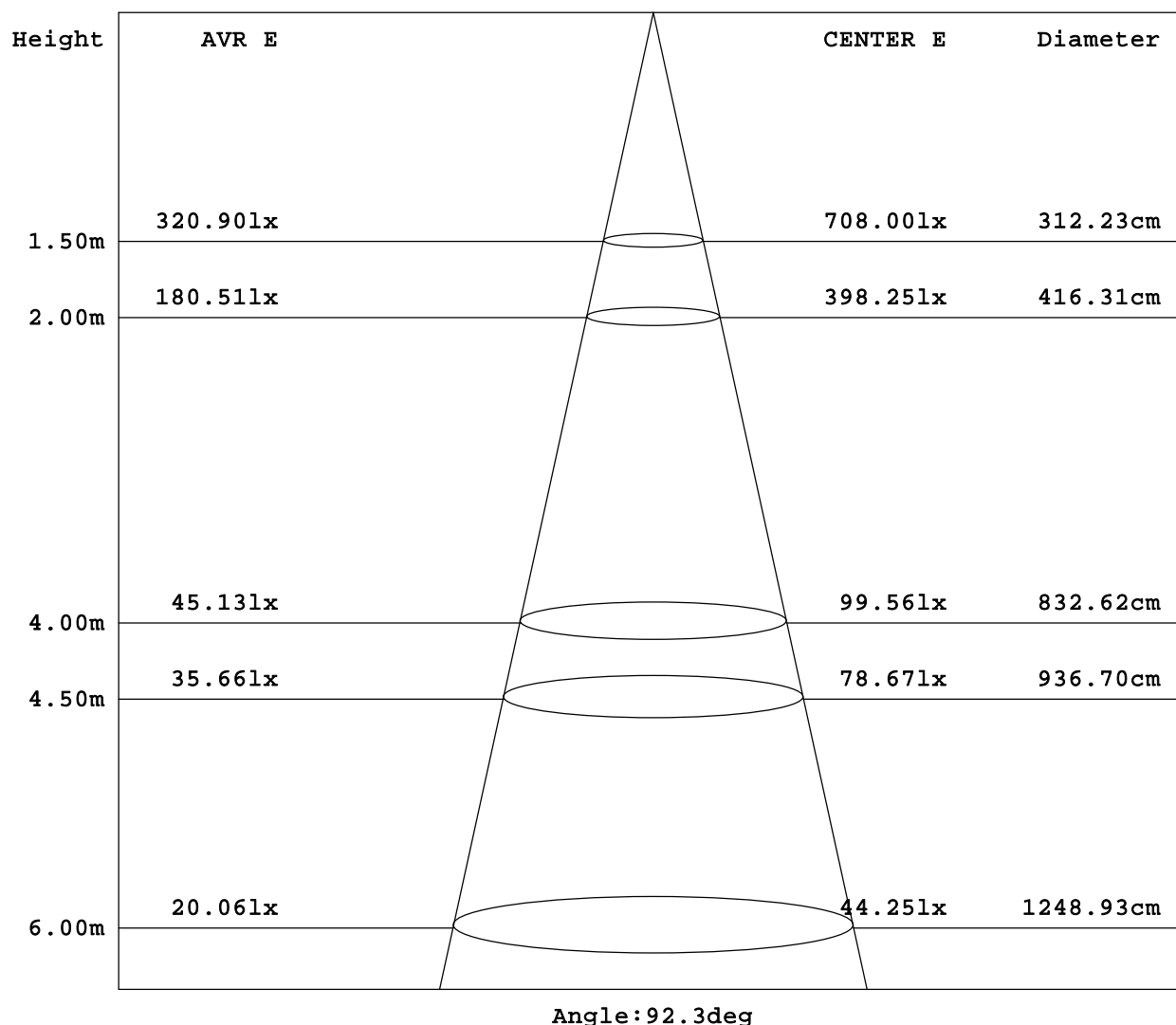
Test Set: 10.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

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## AVERAGE AND CENTER E Figure

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## ZONAL FLUX DIAGRAM

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$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	1585	1577	1576	1578	1587	1581	1581	1581	0- 5	37.89	37.89
10.0	1564	1555	1559	1555	1566	1560	1570	1564	5- 10	112.3	150.2
15.0	1528	1524	1520	1523	1533	1528	1532	1538	10- 15	183.1	333.3
20.0	1482	1473	1481	1477	1486	1480	1494	1490	15- 20	247.8	581.2
25.0	1428	1418	1416	1430	1433	1431	1438	1439	20- 25	305.2	886.4
30.0	1358	1341	1352	1357	1367	1357	1381	1371	25- 30	352.7	1239
35.0	1263	1239	1216	1250	1270	1249	1252	1282	30- 35	385.5	1625
40.0	1125	1091	1080	1105	1129	1100	1124	1160	35- 40	394.1	2019
45.0	849.7	812.0	810.7	861.2	870.9	834.3	872.8	906.0	40- 45	363.8	2383
50.0	635.5	546.1	541.5	629.9	638.9	570.4	622.2	645.0	45- 50	294.7	2678
55.0	505.8	385.8	388.9	460.5	514.4	396.2	442.4	484.1	50- 55	225.5	2903
60.0	374.8	265.8	236.4	318.3	390.7	267.7	262.6	343.8	55- 60	172.2	3075
65.0	301.5	201.3	184.1	247.5	303.8	203.6	199.8	264.0	60- 65	130.9	3206
70.0	226.2	157.4	131.8	197.2	202.0	163.3	137.0	207.5	65- 70	105.7	3312
75.0	136.3	135.8	111.1	161.7	151.3	142.4	120.0	178.9	70- 75	87.04	3399
80.0	80.59	86.85	90.40	110.7	86.29	93.87	103.0	121.1	75- 80	67.08	3466
85.0	56.69	38.82	45.20	58.13	61.60	43.68	52.00	64.78	80- 85	41.22	3507
90.0	0	0	0	3.500	4.800	0	1.000	10.40	85- 90	14.12	3521
95.0	0	0	0	1.018	6.400	0.071	0.500	3.128	90- 95	0.827	3522
100.0	0	0.160	0	0.195	3.999	0.380	0	0.140	95-100	0.194	3523
105.0	0	0.430	0.650	0.538	0	0.853	0.400	0.208	100-105	0.195	3523
110.0	0	0.862	1.300	0.862	2.400	1.306	0.800	0.272	105-110	0.348	3523
115.0	0	1.404	1.950	1.404	4.899	1.623	1.200	0.334	110-115	0.560	3524
120.0	0	1.823	2.600	1.823	5.699	2.146	1.600	0.392	115-120	0.724	3524
125.0	0	2.430	3.250	2.430	5.699	2.283	2.000	0.410	120-125	0.872	3525
130.0	1.600	3.190	3.900	2.872	6.500	2.592	2.400	0.659	125-130	1.031	3526
135.0	3.200	3.578	4.550	3.578	5.699	2.884	2.800	1.442	130-135	1.152	3527
140.0	4.799	4.438	5.200	4.421	5.000	3.538	3.200	1.576	135-140	1.247	3529
145.0	5.599	5.365	5.850	4.829	5.000	3.358	3.600	2.246	140-145	1.306	3530
150.0	6.400	6.357	6.500	5.779	5.000	4.145	4.000	2.582	145-150	1.323	3531
155.0	8.000	6.792	7.150	6.792	5.699	4.422	4.400	3.187	150-155	1.308	3533
160.0	8.800	7.868	7.800	7.215	5.699	4.689	4.800	3.934	155-160	1.214	3534
165.0	9.600	8.627	8.450	8.312	5.699	5.641	5.200	4.256	160-165	1.057	3535
170.0	10.40	8.785	9.100	8.747	6.500	5.202	5.599	4.473	165-170	0.831	3536
175.0	10.40	9.939	9.750	9.939	5.699	5.452	6.000	5.762	170-175	0.532	3536
180.0	10.40	10.40	10.40	10.40	6.400	6.400	6.400	6.400	175-180	0.190	3536
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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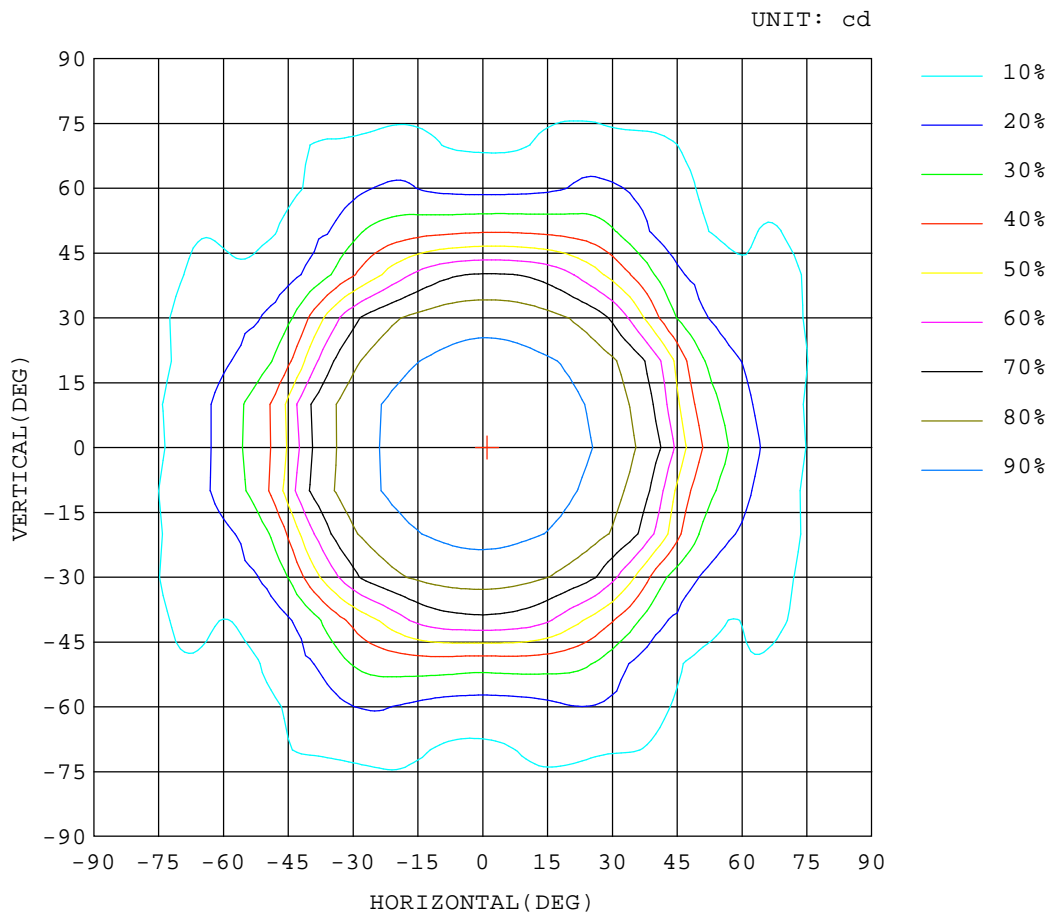
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ISOCANDELA DIAGRAM

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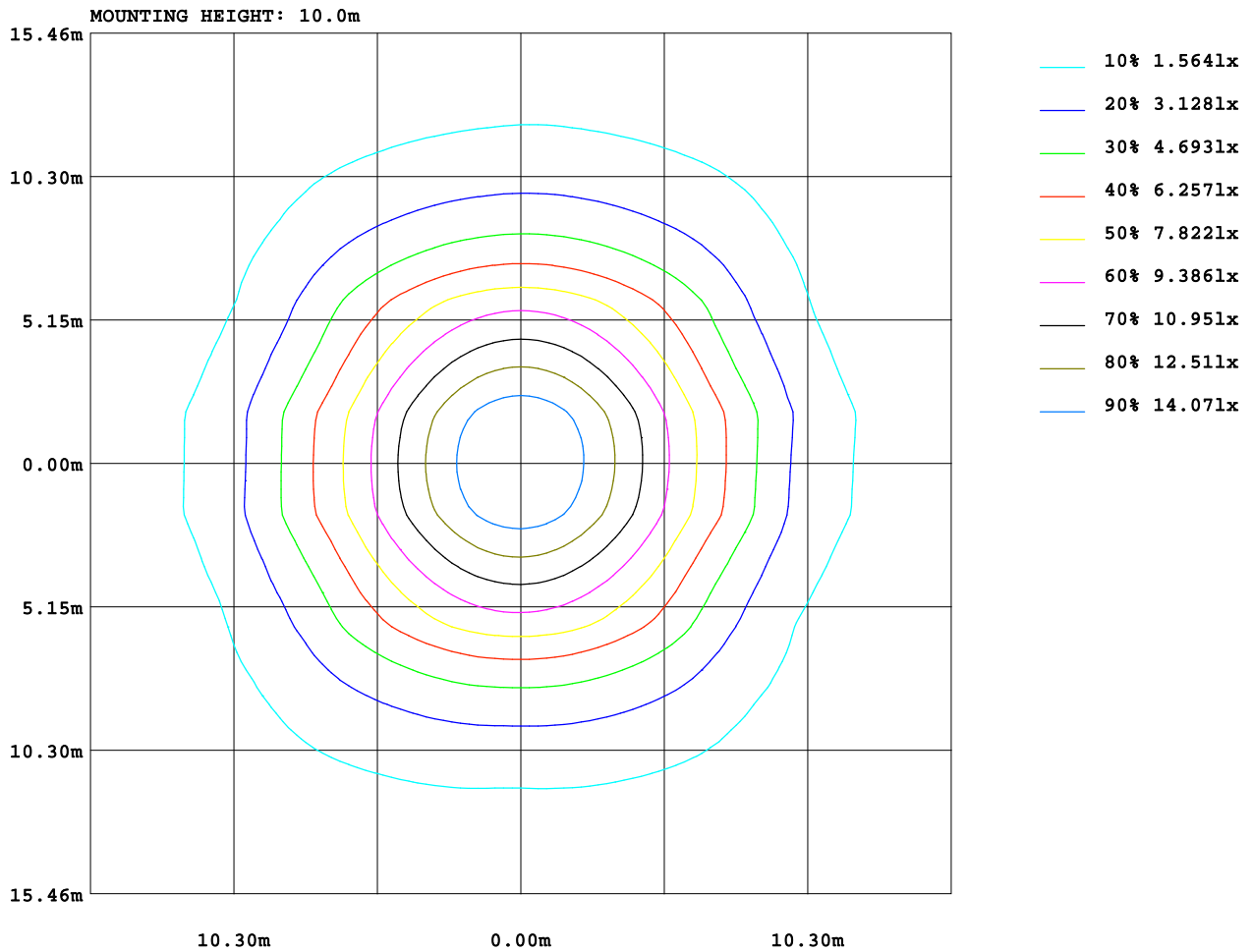
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**Uncorrected UGR Table**

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SPECIFICATION:4000K CRI>80					DIMENSION: 596x596mm		SERIAL No.:19052002			
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	14.6	16.0	14.9	16.2	16.4	14.8	16.1	15.0	16.3	16.5
3H	15.7	16.9	16.0	17.2	17.4	15.5	16.8	15.8	17.0	17.2
4H	16.2	17.4	16.5	17.7	17.9	15.9	17.1	16.2	17.3	17.6
6H	16.5	17.7	16.9	17.9	18.2	16.3	17.4	16.6	17.7	18.0
8H	16.7	17.8	17.0	18.1	18.4	16.5	17.5	16.8	17.8	18.1
12H	16.8	17.9	17.2	18.2	18.5	16.6	17.6	16.9	17.9	18.2
4H 2H	14.8	16.0	15.1	16.2	16.5	15.0	16.1	15.3	16.4	16.7
3H	15.9	17.0	16.3	17.3	17.6	16.1	17.1	16.4	17.4	17.7
4H	16.6	17.6	17.0	17.9	18.3	16.6	17.6	17.0	17.9	18.2
6H	17.2	18.0	17.6	18.3	18.7	17.2	18.1	17.6	18.4	18.8
8H	17.4	18.2	17.8	18.5	18.9	17.5	18.2	17.9	18.6	19.0
12H	17.6	18.3	18.0	18.7	19.1	17.7	18.4	18.1	18.8	19.2
8H 4H	16.9	17.6	17.3	18.0	18.4	16.8	17.6	17.3	18.0	18.4
6H	17.5	18.1	17.9	18.5	19.0	17.6	18.2	18.0	18.6	19.1
8H	17.8	18.4	18.3	18.8	19.2	17.9	18.5	18.4	18.9	19.4
12H	18.0	18.5	18.5	19.0	19.4	18.2	18.7	18.7	19.2	19.6
12H 4H	16.9	17.6	17.3	18.0	18.4	16.8	17.6	17.3	17.9	18.4
6H	17.5	18.1	18.0	18.5	19.0	17.6	18.2	18.1	18.6	19.1
8H	17.9	18.4	18.3	18.8	19.3	18.0	18.5	18.5	18.9	19.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.5					+ 0.3 / - 0.4				
1.5H	+ 0.5 / - 0.6					+ 0.2 / - 0.7				
2.0H	+ 1.2 / - 1.2					+ 0.8 / - 1.5				

CIE Pub.117 Corrected 3536 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.4)

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