

# GONIOPHOTOMETERS SYSTEM TEST REPORT

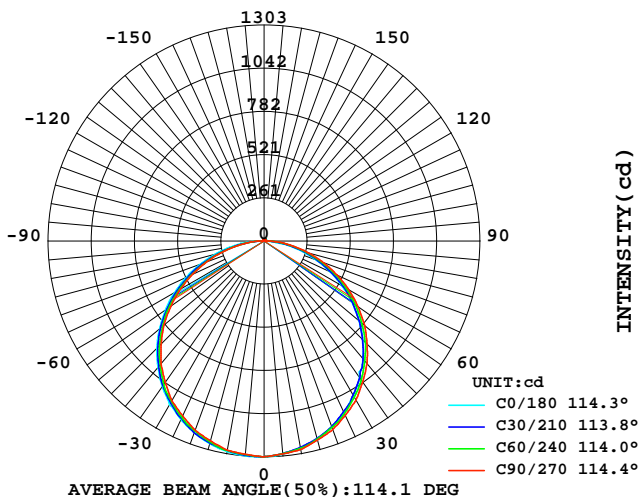
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17120801

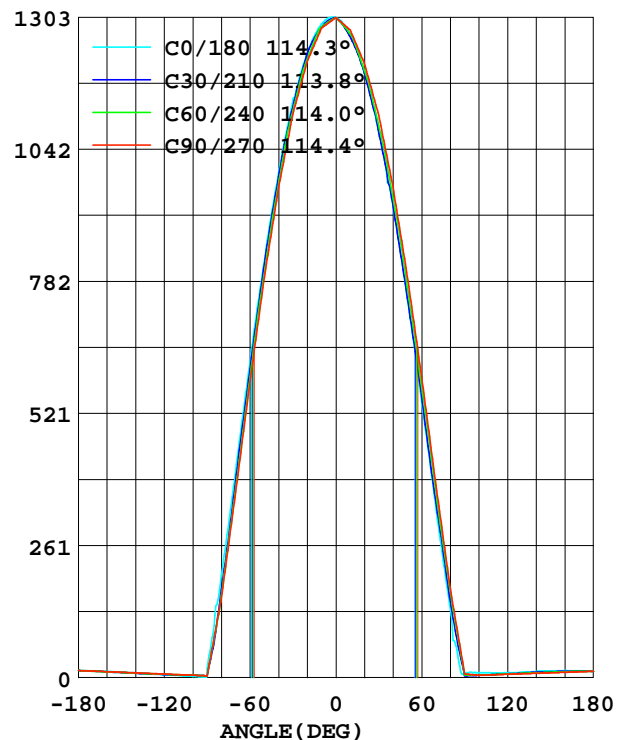
MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-36-NW-100E	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:17120801

DATA OF LAMP		Imax(cd)	1303	S/MH(C0/180)	1.29
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	3844.8	Voltage(V)	219.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	104.2	Current(A)	0.175
NOMINAL FLUX(lm)	3844.9	$\eta$ up(%)	1.2	Power(W)	36.90
LAMPS QUANTITY	1	$\eta$ down(%)	98.8	Power Factor(PF)	0.965
TEST VOLTAGE(V)	219.5	Effective Flux(lm)	3742.6	EEI	0.134

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-08

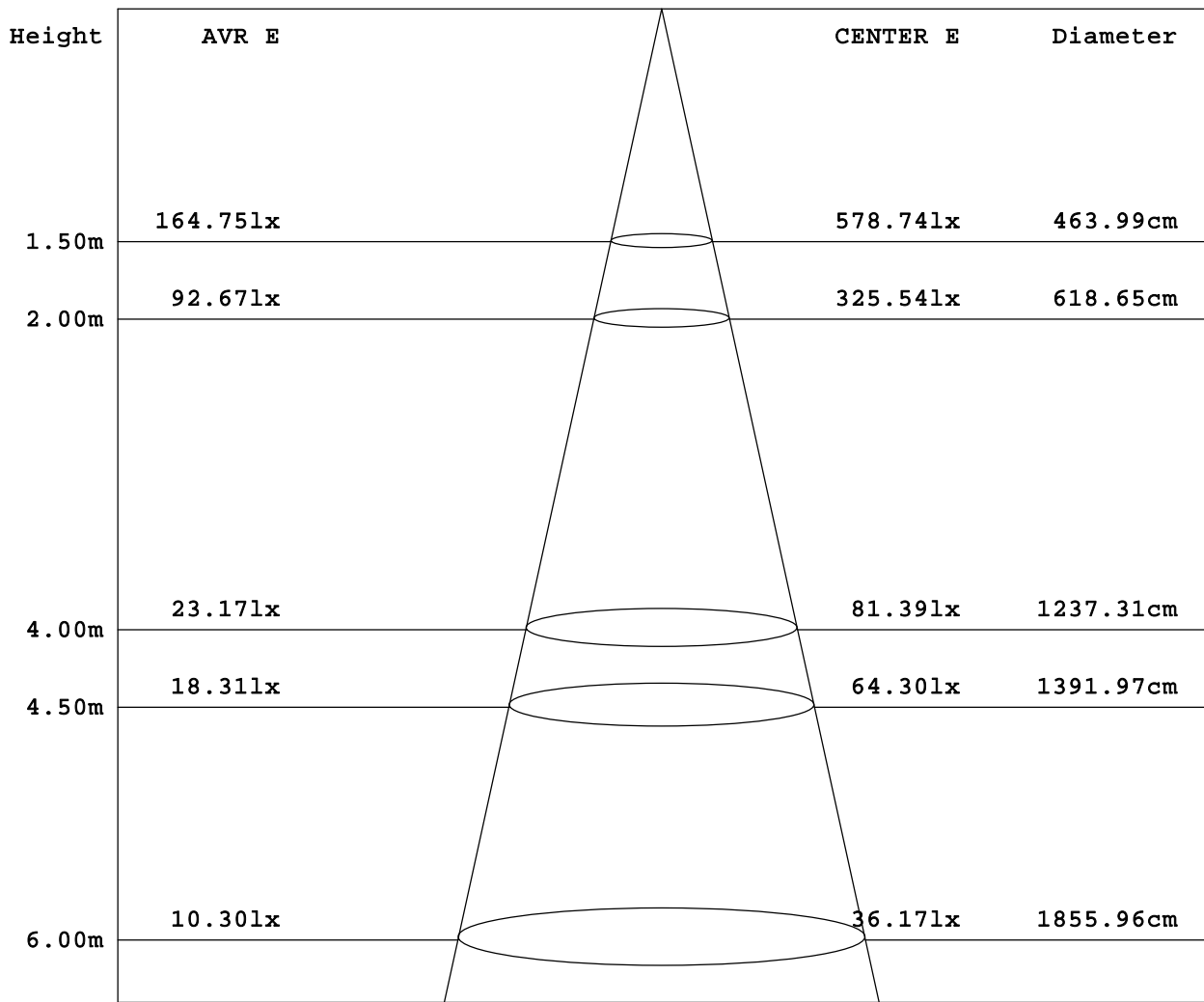
Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

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SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:17120801



Angle:114.2deg

Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-08

Test Set: 7.0deg/s B-Beta (TYPE B)  
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## ZONAL FLUX DIAGRAM

Report number: 17120801

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-36-NW-100E	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:17120801

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1301	1295	1292	1289	1291	1287	1290	1294	0- 5	30.98	30.98
10.0	1290	1283	1282	1269	1269	1266	1278	1281	5- 10	91.85	122.8
15.0	1266	1262	1249	1242	1238	1237	1245	1260	10- 15	149.7	272.5
20.0	1232	1223	1216	1198	1193	1192	1211	1221	15- 20	202.5	475.1
25.0	1188	1179	1164	1147	1141	1142	1160	1176	20- 25	248.7	723.8
30.0	1142	1123	1113	1088	1077	1082	1109	1122	25- 30	286.8	1011
35.0	1071	1059	1040	1019	1006	1012	1038	1059	30- 35	315.6	1326
40.0	996.6	987.4	967.1	944.3	928.8	936.9	967.0	988.9	35- 40	333.5	1660
45.0	915.0	897.4	878.4	857.2	843.0	851.0	879.2	900.9	40- 45	340.6	2001
50.0	822.8	807.6	789.7	770.2	746.9	764.7	791.3	813.0	45- 50	336.2	2337
55.0	727.9	706.7	686.7	669.4	649.1	662.8	691.9	714.1	50- 55	320.5	2657
60.0	623.5	604.8	583.7	567.6	543.5	559.9	592.5	614.4	55- 60	294.3	2952
65.0	517.4	490.0	475.0	464.0	439.0	459.2	485.7	502.9	60- 65	258.7	3210
70.0	408.4	379.1	366.2	360.8	332.2	357.5	378.9	394.7	65- 70	215.5	3426
75.0	303.0	271.5	261.6	256.9	231.1	253.4	277.1	289.3	70- 75	167.1	3593
80.0	201.5	166.6	156.9	162.1	133.1	162.2	175.3	186.5	75- 80	116.4	3710
85.0	104.0	75.87	80.26	77.44	46.69	79.19	91.26	91.98	80- 85	66.61	3776
90.0	18.76	3.479	3.528	3.626	6.272	3.969	7.203	7.399	85- 90	22.46	3799
95.0	1.862	4.206	4.091	4.075	10.14	4.248	5.904	5.293	90- 95	2.535	3801
100.0	2.303	4.704	4.655	4.711	9.848	4.694	4.606	4.508	95-100	2.549	3804
105.0	3.087	5.083	5.243	5.474	9.897	5.305	5.096	4.721	100-105	2.710	3806
110.0	4.263	5.467	5.831	6.200	9.163	5.911	5.586	4.894	105-110	2.915	3809
115.0	5.095	5.900	6.419	6.956	9.261	6.621	6.076	5.229	110-115	3.081	3812
120.0	5.536	6.381	7.006	7.655	9.750	7.417	6.566	5.495	115-120	3.223	3816
125.0	6.370	6.871	7.594	8.370	9.603	8.152	7.056	5.819	120-125	3.315	3819
130.0	7.938	7.527	8.182	9.099	10.53	8.874	7.546	6.257	125-130	3.362	3822
135.0	8.428	7.894	8.770	9.719	11.02	9.281	8.036	6.870	130-135	3.370	3826
140.0	9.211	8.705	9.358	10.25	11.85	10.01	8.526	7.358	135-140	3.312	3829
145.0	10.04	9.357	9.946	10.83	13.03	10.55	9.016	7.910	140-145	3.192	3832
150.0	10.48	9.835	10.53	11.35	13.08	11.10	9.506	8.238	145-150	2.990	3835
155.0	11.66	10.70	11.12	12.12	13.52	11.51	9.996	8.793	150-155	2.707	3838
160.0	12.10	11.40	11.71	12.31	13.91	11.94	10.48	9.697	155-160	2.349	3840
165.0	12.88	12.12	12.29	12.90	13.57	12.36	10.97	10.03	160-165	1.930	3842
170.0	13.27	12.85	12.88	13.24	13.57	12.77	11.46	10.67	165-170	1.445	3844
175.0	13.32	13.44	13.47	13.64	13.57	12.47	11.95	11.34	170-175	0.903	3845
180.0	14.06	14.06	14.06	14.06	12.44	12.44	12.44	12.44	175-180	0.309	3845
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-08

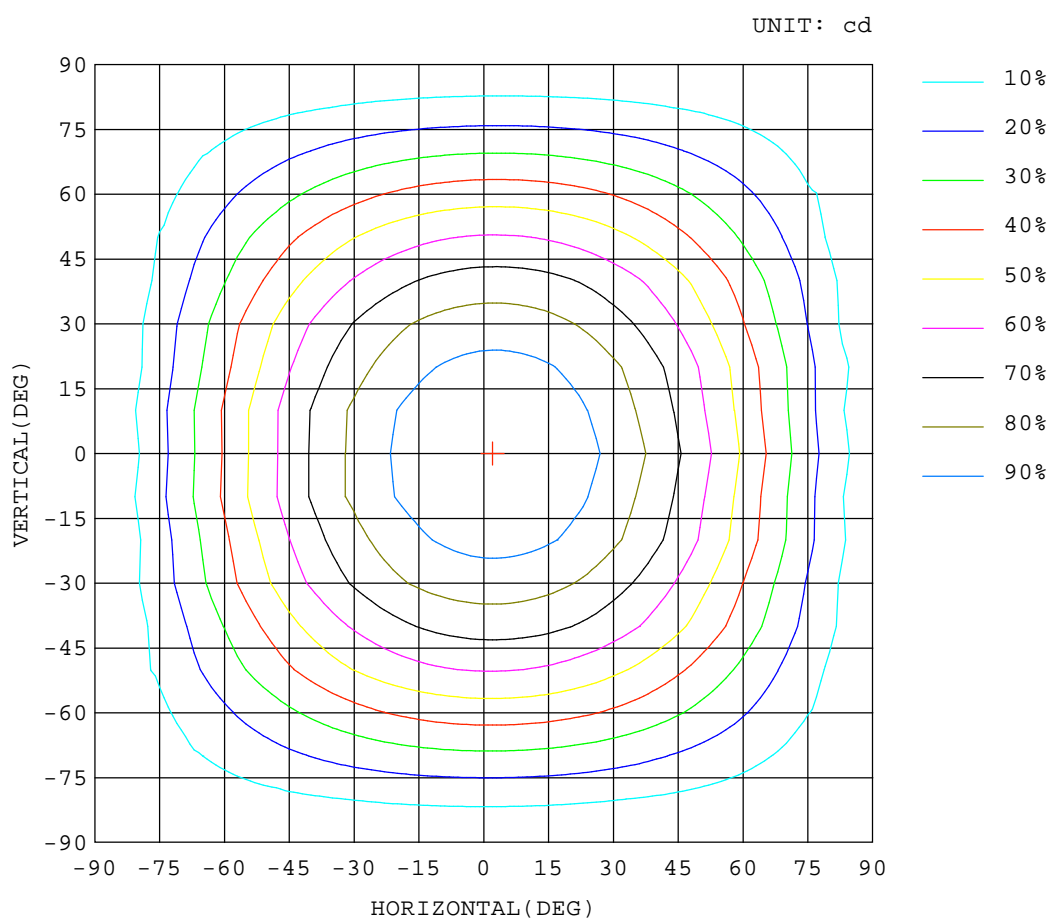
Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

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## ISOCANDELA DIAGRAM

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SPECIFICATION: 4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.: 17120801



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Temperature: 25.3DEG  
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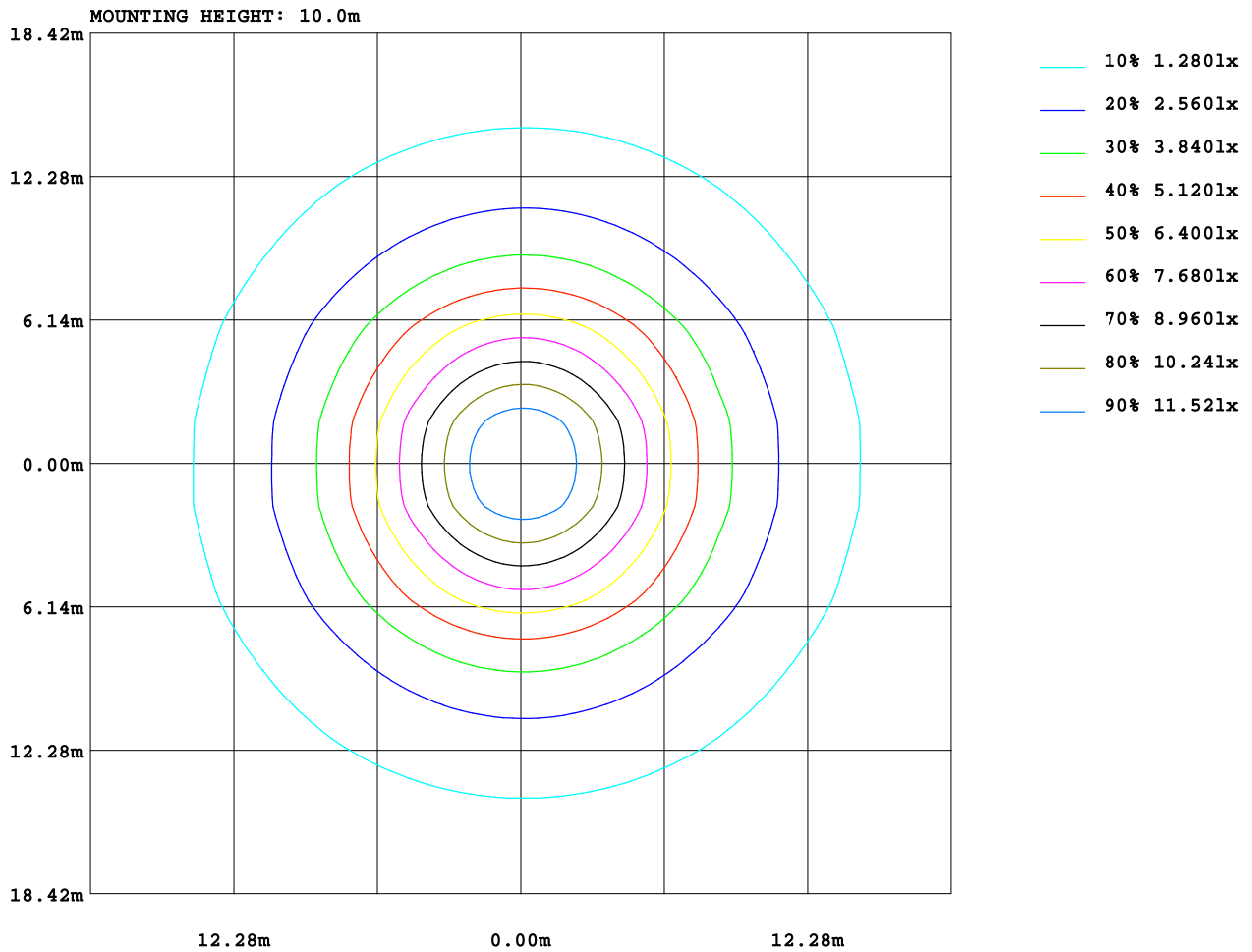
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Humidity: 65.0%  
Test Distance: 7.000 m  
Remarks:

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## ISOLUX DIAGRAM

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SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:17120801



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-08

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

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**Uncorrected UGR Table**

Report number: 17120801

MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-6060-36-NW-100E					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>80					DIMENSION: 596x596mm			SERIAL No.:17120801		
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	21.8	23.3	22.1	23.5	23.7	21.5	23.0	21.8	23.2	23.5
3H	23.4	24.8	23.7	25.1	25.4	23.0	24.4	23.3	24.7	25.0
4H	24.1	25.5	24.5	25.7	26.0	23.6	25.0	24.0	25.3	25.5
6H	24.7	26.0	25.1	26.3	26.6	24.1	25.4	24.4	25.6	26.0
8H	24.9	26.1	25.3	26.4	26.8	24.3	25.5	24.6	25.8	26.1
12H	25.1	26.3	25.5	26.6	26.9	24.4	25.5	24.7	25.9	26.2
4H 2H	22.4	23.7	22.7	24.0	24.3	22.1	23.5	22.5	23.8	24.0
3H	24.2	25.4	24.6	25.7	26.0	23.9	25.0	24.2	25.3	25.7
4H	25.0	26.1	25.4	26.4	26.8	24.6	25.7	25.0	26.0	26.4
6H	25.7	26.7	26.1	27.0	27.4	25.2	26.1	25.6	26.5	26.9
8H	26.0	26.9	26.4	27.3	27.7	25.4	26.3	25.8	26.7	27.1
12H	26.2	27.0	26.6	27.4	27.9	25.6	26.4	26.0	26.8	27.2
8H 4H	25.3	26.2	25.7	26.5	27.0	24.9	25.8	25.3	26.2	26.6
6H	26.1	26.8	26.6	27.3	27.7	25.6	26.4	26.1	26.8	27.2
8H	26.5	27.1	26.9	27.6	28.0	25.9	26.6	26.4	27.0	27.5
12H	26.8	27.3	27.3	27.8	28.3	26.2	26.8	26.7	27.2	27.7
12H 4H	25.3	26.1	25.7	26.5	26.9	24.9	25.7	25.4	26.1	26.6
6H	26.2	26.8	26.6	27.3	27.7	25.7	26.4	26.2	26.8	27.3
8H	26.6	27.1	27.1	27.6	28.1	26.0	26.6	26.5	27.1	27.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3845 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.7)

Test System:HOPOO HPG1900  
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