

# GONIOPHOTOMETERS SYSTEM TEST REPORT

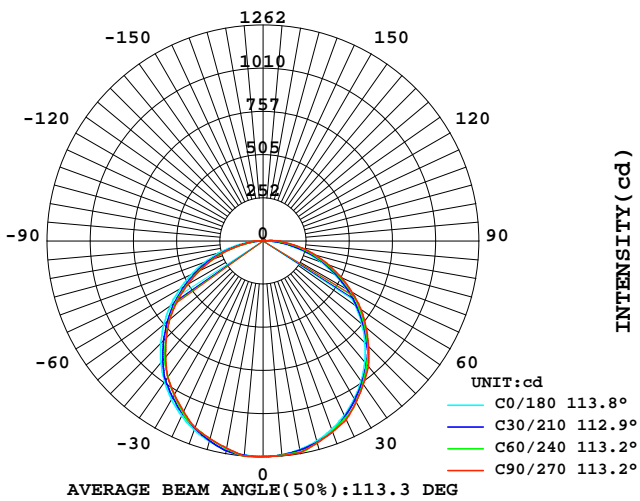
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2017120611

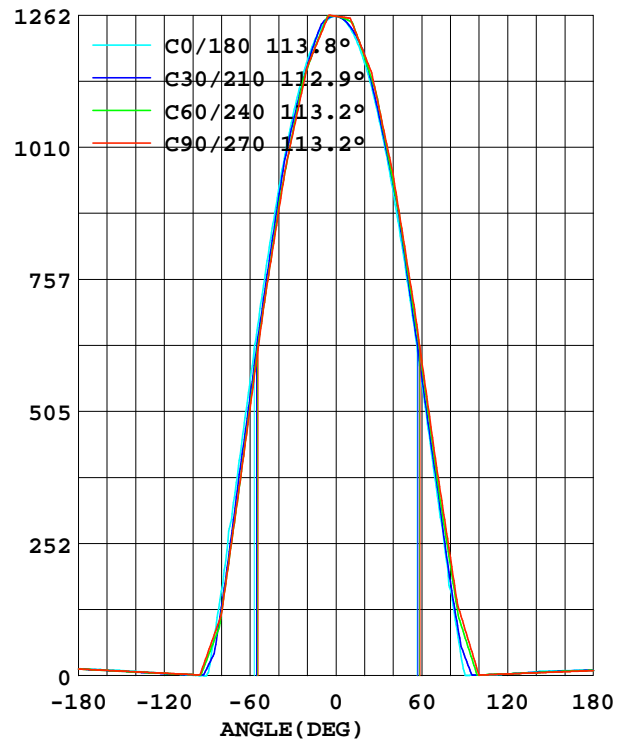
MANUFACTURER: SGLight Limited	Address:	
NAME: TLP-6060-36-NW-100-IP65	TYPE: LED Panel Light	WEIGHT:
SPECIFICATION: 4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.: 2017120611

DATA OF LAMP		Imax(cd)	1262	S/MH(C0/180)	1.26
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.23
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	3725.4	Voltage(V)	220.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	101.8	Current(A)	0.167
NOMINAL FLUX(lm)	3725.5	$\eta$ up(%)	1.2	Power(W)	36.59
LAMPS QUANTITY	1	$\eta$ down(%)	98.8	Power Factor(PF)	0.981
TEST VOLTAGE(V)	220.5	Effective Flux(lm)	3619.9	EEL	0.138

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1900  
 Temperature: 25.3 DEG  
 Operators: Jason  
 Test Date: 2017-12-06

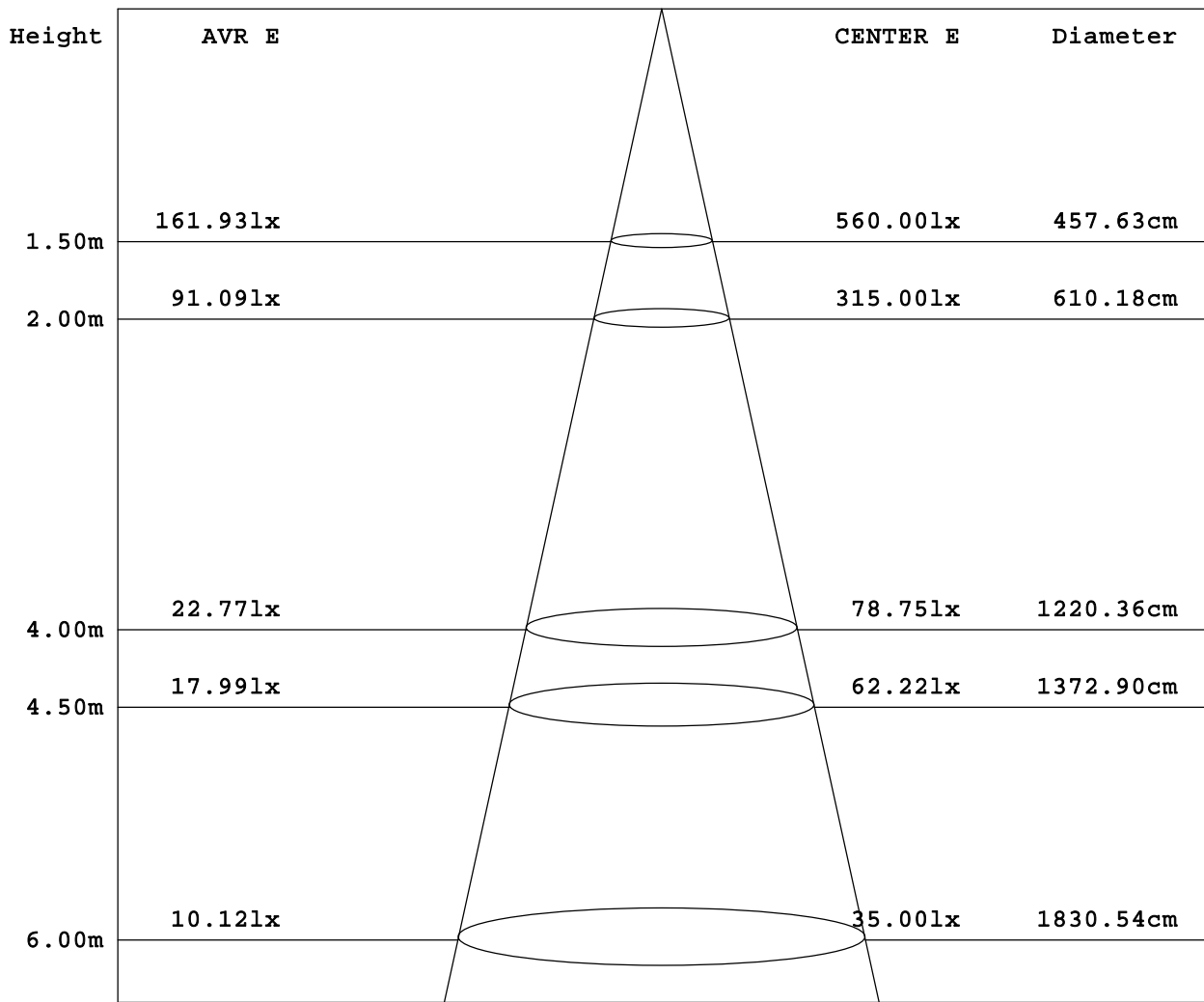
Test Set: 10.0deg/s B-Beta (TYPE B)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**AVERAGE AND CENTER E Figure**

Report number: 2017120611

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-36-NW-100-IP65	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:2017120611



Angle:113.5deg

Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-06

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

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number: 2017120611

MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-6060-36-NW-100-IP65		TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80		DIMENSION: 596x596mm	SERIAL No.:2017120611

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	zone	total
5.0	1255	1259	1262	1258	1254	1255	1258	1257	0- 5	30.09	30.09
10.0	1239	1237	1229	1237	1238	1245	1256	1248	5- 10	89.38	119.4
15.0	1213	1201	1196	1200	1209	1224	1221	1230	10- 15	145.5	265.0
20.0	1175	1160	1163	1158	1171	1180	1186	1187	15- 20	196.5	461.6
25.0	1127	1114	1100	1113	1124	1133	1152	1140	20- 25	241.2	702.8
30.0	1071	1052	1037	1052	1065	1082	1087	1088	25- 30	277.5	980.3
35.0	1003	975.3	973.1	977.9	999.1	1020	1022	1027	30- 35	304.2	1285
40.0	927.9	896.7	886.4	902.5	925.1	938.7	957.7	950.1	35- 40	321.0	1606
45.0	846.6	816.2	799.8	825.6	840.3	856.1	871.8	873.2	40- 45	326.9	1933
50.0	755.5	719.1	713.2	729.6	753.1	772.5	785.9	794.4	45- 50	321.9	2255
55.0	660.5	623.2	611.8	633.2	660.9	677.8	700.0	695.8	50- 55	306.7	2561
60.0	563.3	527.5	510.5	535.9	563.5	583.0	602.0	598.6	55- 60	281.7	2843
65.0	460.7	419.8	409.2	435.1	462.1	488.5	504.0	500.4	60- 65	247.9	3091
70.0	359.0	315.4	311.6	335.6	363.0	384.5	406.0	402.1	65- 70	207.4	3298
75.0	276.3	217.3	214.0	238.8	273.4	284.5	316.0	305.2	70- 75	162.6	3461
80.0	161.3	124.3	116.5	143.6	164.3	196.8	226.0	213.9	75- 80	115.4	3577
85.0	73.40	57.10	78.10	71.42	81.13	111.8	136.0	124.5	80- 85	69.45	3646
90.0	3.000	24.33	39.70	30.10	5.433	58.53	91.09	65.86	85- 90	34.17	3680
95.0	0	1.436	1.300	1.273	0.700	18.19	46.09	20.03	90- 95	13.10	3693
100.0	1.200	1.900	1.966	2.200	1.233	1.440	1.100	1.200	95-100	2.997	3696
105.0	1.766	2.446	2.633	3.197	0.800	1.845	1.633	1.875	100-105	1.205	3698
110.0	2.900	2.930	3.300	4.113	1.333	2.349	2.166	2.518	105-110	1.515	3699
115.0	3.466	3.572	3.966	4.976	2.400	2.916	2.700	3.140	110-115	1.797	3701
120.0	4.599	4.038	4.633	5.792	2.600	3.633	3.233	3.674	115-120	2.039	3703
125.0	5.166	4.742	5.300	6.725	4.300	4.108	3.766	4.371	120-125	2.250	3705
130.0	5.833	5.250	5.966	7.383	4.933	4.656	4.300	4.887	125-130	2.396	3708
135.0	6.966	5.941	6.633	8.062	6.000	5.077	4.833	5.671	130-135	2.495	3710
140.0	8.099	6.731	7.300	9.066	7.066	6.024	5.366	6.160	135-140	2.526	3713
145.0	8.666	7.556	7.966	9.703	8.033	6.447	5.900	6.981	140-145	2.497	3715
150.0	9.233	8.416	8.633	9.990	8.133	7.180	6.433	7.248	145-150	2.380	3717
155.0	10.36	8.865	9.299	10.54	8.666	7.686	6.966	7.586	150-155	2.203	3720
160.0	10.93	9.768	9.966	11.07	9.199	8.195	7.499	8.430	155-160	1.940	3722
165.0	11.96	10.70	10.63	11.86	9.633	8.950	8.033	8.850	160-165	1.614	3723
170.0	12.06	11.16	11.29	12.10	10.16	9.361	8.566	9.261	165-170	1.225	3724
175.0	12.06	12.39	11.96	12.16	10.16	9.765	9.099	9.255	170-175	0.766	3725
180.0	12.63	12.63	12.63	12.63	9.633	9.633	9.633	9.633	175-180	0.265	3725
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-06

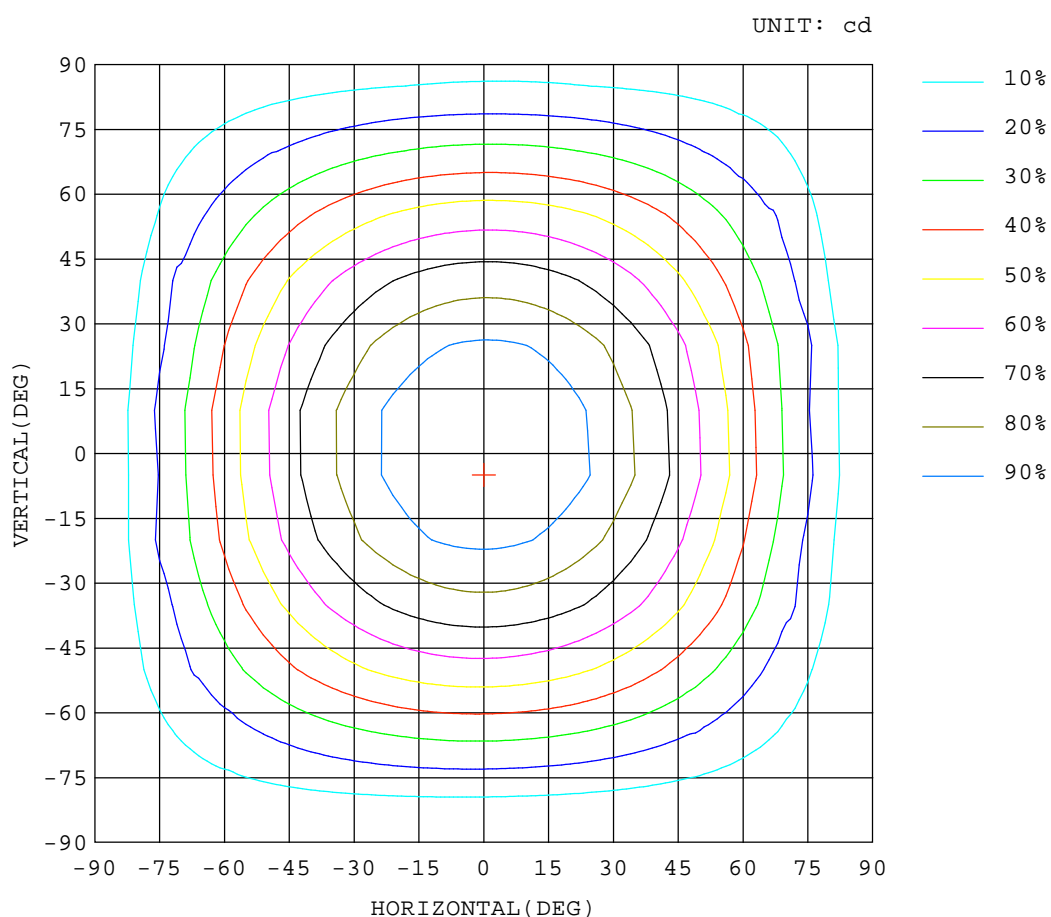
Test Set: 10.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

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## ISOCANDELA DIAGRAM

Report number: 2017120611

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SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:2017120611



Test System:HOPOO HPG1900  
Temperature:25.3DEG  
Operators:Jason  
Test Date:2017-12-06

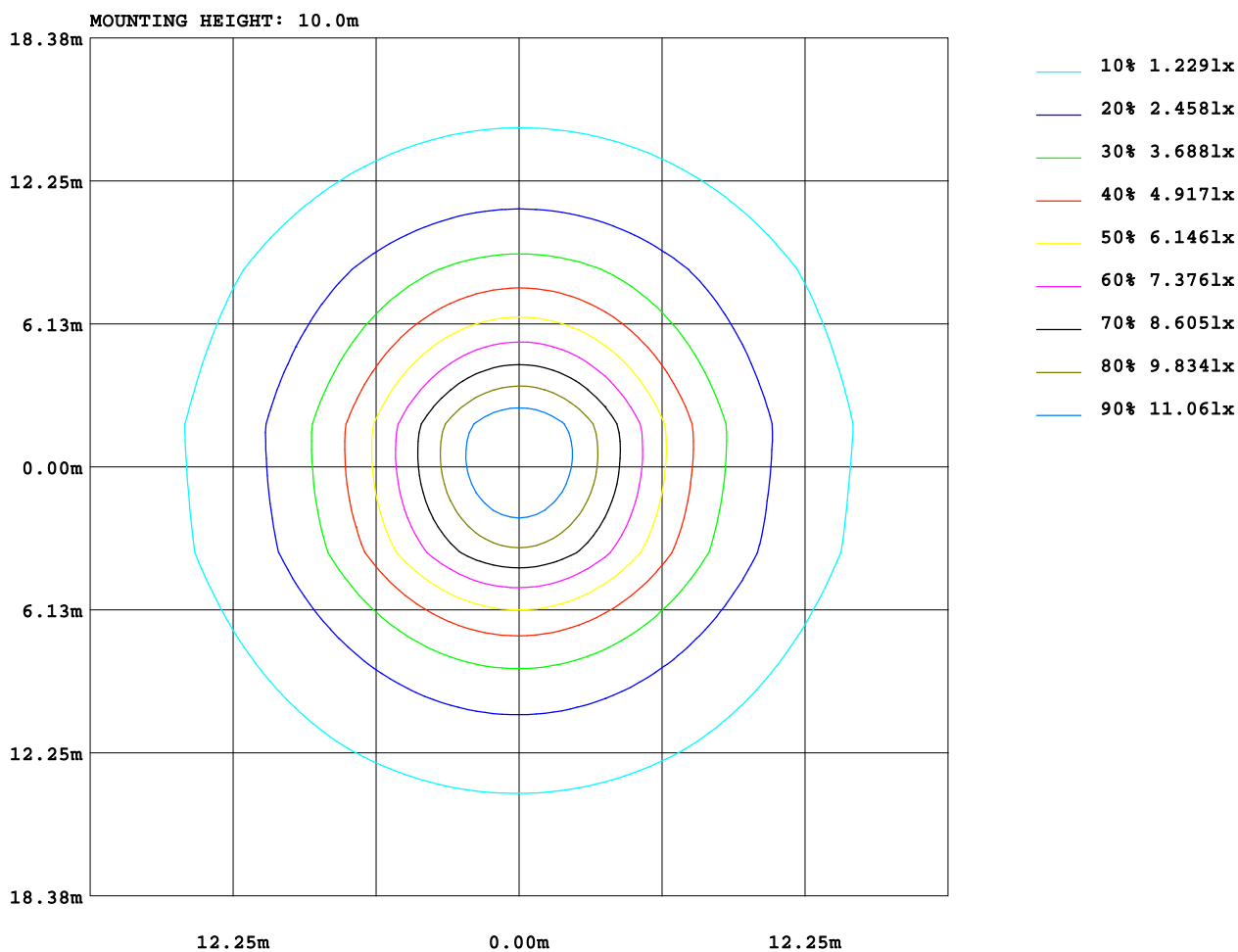
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Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

# GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number: 2017120611

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-36-NW-100-IP65	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596mm	SERIAL No.:2017120611



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:Jason  
 Test Date:2017-12-06

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

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**Uncorrected UGR Table**

Report number: 2017120611

MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-6060-36-NW-100-IP65					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>80					DIMENSION: 596x596mm			SERIAL No.:2017120611		
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	16.7	18.2	16.9	18.4	18.6	16.3	17.8	16.6	18.0	18.3
3H	18.2	19.6	18.5	19.9	20.1	17.7	19.1	18.0	19.4	19.6
4H	18.9	20.2	19.2	20.5	20.8	18.2	19.6	18.6	19.9	20.1
6H	19.3	20.6	19.7	20.9	21.2	18.6	19.8	18.9	20.1	20.5
8H	19.5	20.7	19.8	21.0	21.3	18.7	19.9	19.1	20.2	20.6
12H	19.6	20.8	20.0	21.1	21.4	18.9	20.0	19.2	20.4	20.7
4H 2H	17.2	18.5	17.5	18.8	19.1	16.9	18.2	17.2	18.5	18.8
3H	18.9	20.1	19.3	20.4	20.7	18.5	19.6	18.8	20.0	20.3
4H	19.7	20.8	20.1	21.1	21.5	19.1	20.2	19.5	20.6	20.9
6H	20.3	21.2	20.7	21.6	22.0	19.6	20.5	20.0	20.9	21.3
8H	20.5	21.4	20.9	21.7	22.2	19.8	20.7	20.2	21.0	21.5
12H	20.6	21.4	21.0	21.8	22.3	20.0	20.8	20.4	21.2	21.6
8H 4H	19.9	20.8	20.3	21.2	21.6	19.4	20.3	19.8	20.7	21.1
6H	20.6	21.3	21.0	21.7	22.2	20.0	20.7	20.4	21.1	21.6
8H	20.9	21.5	21.3	22.0	22.4	20.2	20.9	20.7	21.3	21.8
12H	21.0	21.6	21.5	22.1	22.6	20.5	21.1	21.0	21.6	22.1
12H 4H	19.9	20.7	20.3	21.1	21.5	19.4	20.2	19.8	20.6	21.1
6H	20.6	21.3	21.1	21.7	22.2	20.0	20.7	20.5	21.1	21.6
8H	20.9	21.5	21.4	21.9	22.4	20.3	20.9	20.8	21.3	21.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				

CIE Pub.117 Corrected 3725 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.6)

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
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