

GONIOPHOTOMETERS SYSTEM TEST REPORT

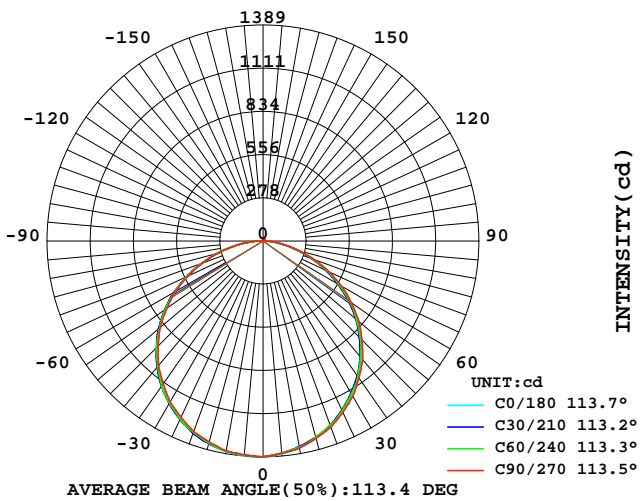
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 2017101412

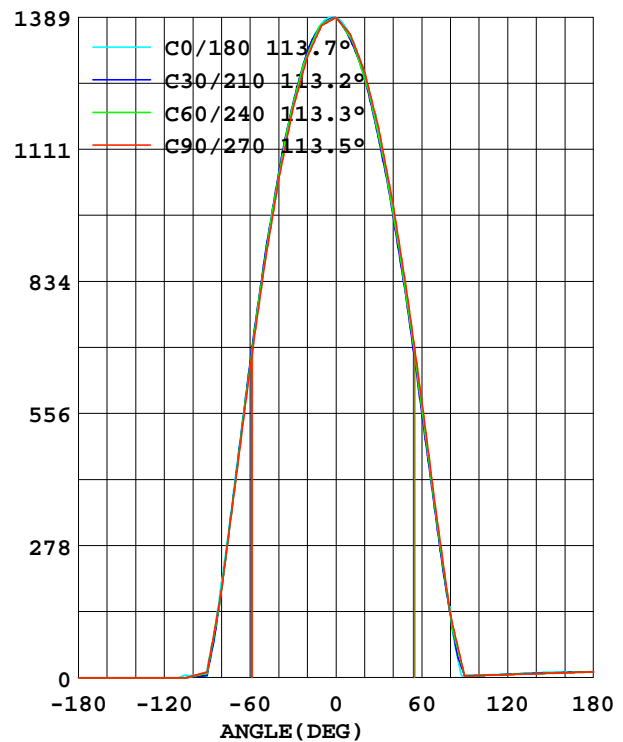
MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-110V	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 296x1196mm	SERIAL No.:2017101412

DATA OF LAMP		Imax(cd)	1389	S/MH(C0/180)	1.29
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.28
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	4009.7	Voltage(V)	230.3
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	109.3	Current(A)	0.171
NOMINAL FLUX(lm)	4009.8	η up(%)	0.6	Power(W)	36.70
LAMPS QUANTITY	1	η down(%)	99.4	Power Factor(PF)	0.934
TEST VOLTAGE(V)	230.4	Effective Flux(lm)	4009.8	EEI	0.125

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2017-10-14

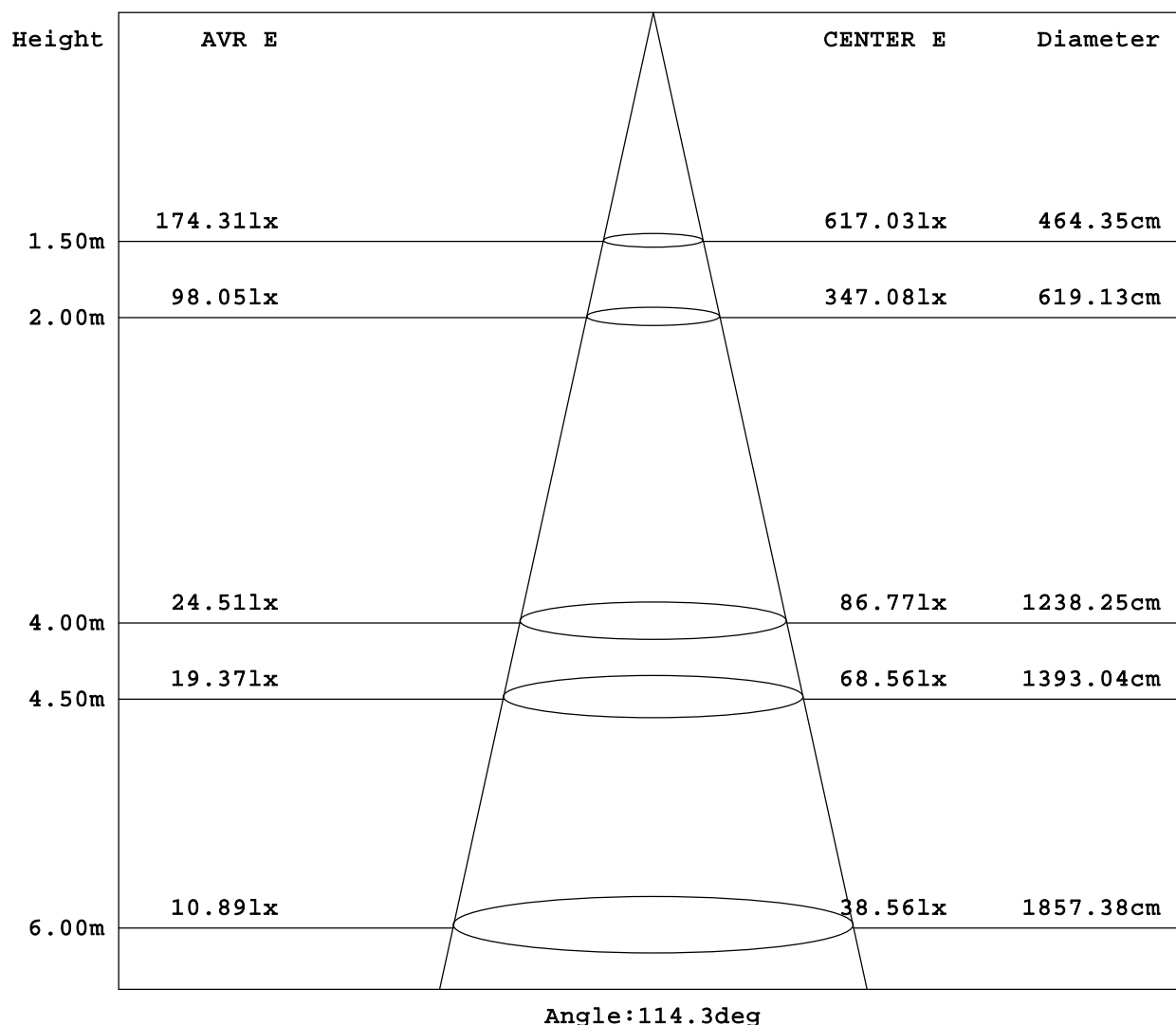
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 2017101412

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-110V	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 296x1196mm	SERIAL No.:2017101412



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2017-10-14

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

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number: 2017101412

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-110V	TYPE: LED Panel Light	WEIGHT:
SPECIFICATION: 4000K CRI>90	DIMENSION: 296x1196mm	SERIAL No.: 2017101412

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1387	1383	1380	1375	1376	1369	1371	1377	0- 5	33.02	33.02
10.0	1376	1372	1372	1356	1352	1343	1354	1360	5- 10	97.85	130.8
15.0	1351	1351	1338	1328	1315	1309	1315	1334	10- 15	159.4	290.3
20.0	1315	1311	1305	1280	1269	1257	1275	1290	15- 20	215.4	505.7
25.0	1266	1266	1250	1229	1209	1201	1215	1240	20- 25	264.3	770.1
30.0	1206	1207	1196	1166	1145	1135	1155	1178	25- 30	304.4	1075
35.0	1138	1138	1121	1093	1069	1057	1076	1104	30- 35	334.5	1409
40.0	1058	1062	1046	1008	981.6	973.8	996.2	1024	35- 40	353.0	1762
45.0	973.3	970.4	955.0	924.4	890.4	877.9	899.9	931.5	40- 45	360.1	2122
50.0	878.8	877.4	863.7	832.3	787.7	781.3	803.6	837.2	45- 50	355.1	2477
55.0	772.3	769.7	756.2	727.8	681.9	673.0	694.3	725.8	50- 55	338.1	2816
60.0	663.8	658.8	648.6	622.6	568.0	564.3	585.0	611.9	55- 60	309.4	3125
65.0	546.3	538.9	531.0	508.4	454.1	448.0	467.3	494.0	60- 65	270.3	3395
70.0	428.1	418.5	413.4	396.0	335.9	336.0	349.6	375.3	65- 70	222.5	3618
75.0	309.1	296.8	297.6	284.9	228.1	229.0	241.5	255.1	70- 75	169.2	3787
80.0	199.7	185.7	181.8	182.0	148.2	132.4	133.3	151.3	75- 80	114.3	3902
85.0	76.66	88.39	96.83	90.82	41.61	56.04	68.36	66.55	80- 85	62.90	3964
90.0	17.50	6.758	11.85	12.25	3.530	3.530	3.379	3.379	85- 90	21.45	3986
95.0	3.631	4.313	7.691	6.068	5.548	4.028	3.858	3.742	90- 95	2.879	3989
100.0	4.539	1.833	3.530	0	5.648	4.519	4.337	4.146	95-100	2.022	3991
105.0	4.993	0	0	0	6.052	4.995	4.816	4.530	100-105	1.475	3992
110.0	0	0	0	0	6.153	5.503	5.295	4.890	105-110	1.346	3994
115.0	0	0	0	0	7.515	6.007	5.774	5.400	110-115	1.385	3995
120.0	0	0	0	0	7.565	6.448	6.254	5.800	115-120	1.453	3996
125.0	0	0	0	0	8.473	7.174	6.733	6.311	120-125	1.502	3998
130.0	0	0	0	0	8.977	7.706	7.212	6.741	125-130	1.537	3999
135.0	0	0	0	0	9.885	8.122	7.691	7.244	130-135	1.545	4001
140.0	0	0	0	0	10.28	8.515	8.170	7.856	135-140	1.518	4003
145.0	0	0	0	0	11.14	8.911	8.649	8.469	140-145	1.456	4004
150.0	0	0	0	0	11.14	9.789	9.128	8.849	145-150	1.361	4005
155.0	0	0	0	0	11.60	10.06	9.608	9.531	150-155	1.231	4007
160.0	0	0	0	0	11.60	11.00	10.08	10.56	155-160	1.075	4008
165.0	0	0	0	0	11.60	11.15	10.56	10.75	160-165	0.883	4009
170.0	0	0	0	0	12.45	11.32	11.04	11.30	165-170	0.665	4009
175.0	0	0	0	0	12.00	11.66	11.52	11.66	170-175	0.413	4010
180.0	0	0	0	0	12.00	12.00	12.00	12.00	175-180	0.142	4010
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2017-10-14

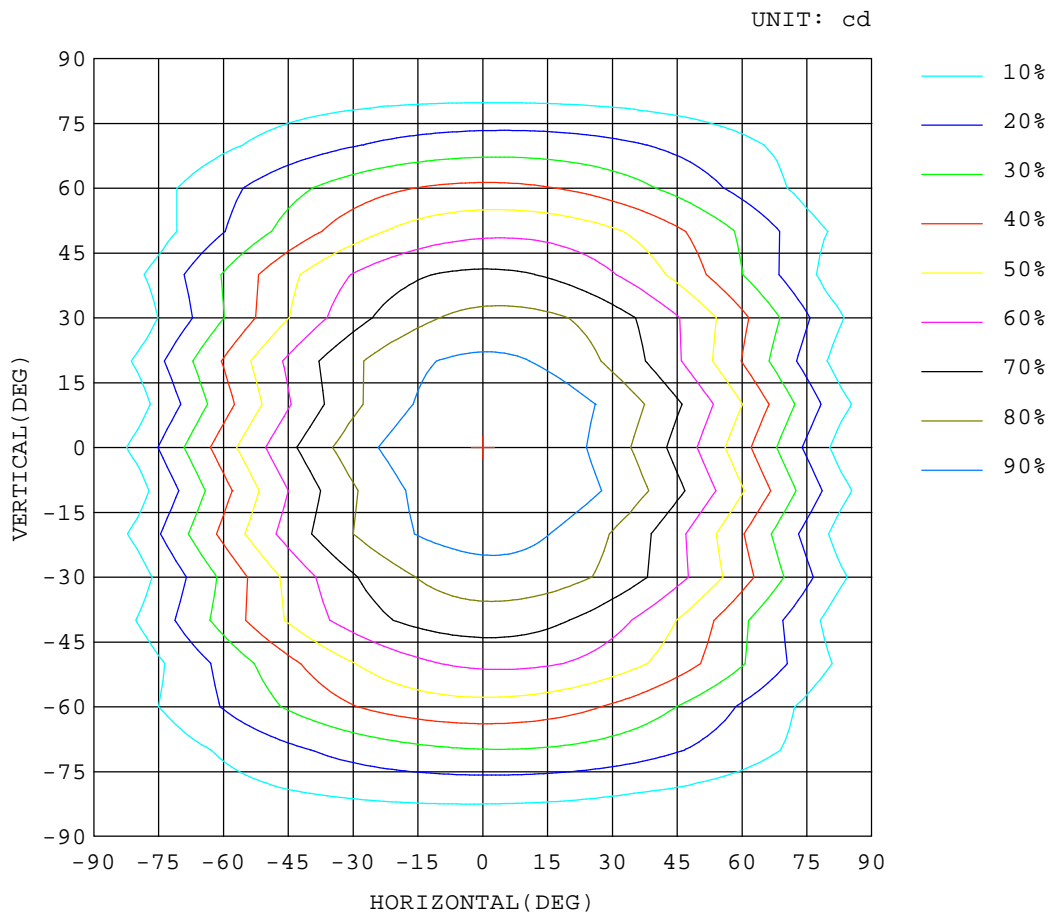
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 2017101412

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-110V	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 296x1196mm	SERIAL No.:2017101412



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2017-10-14

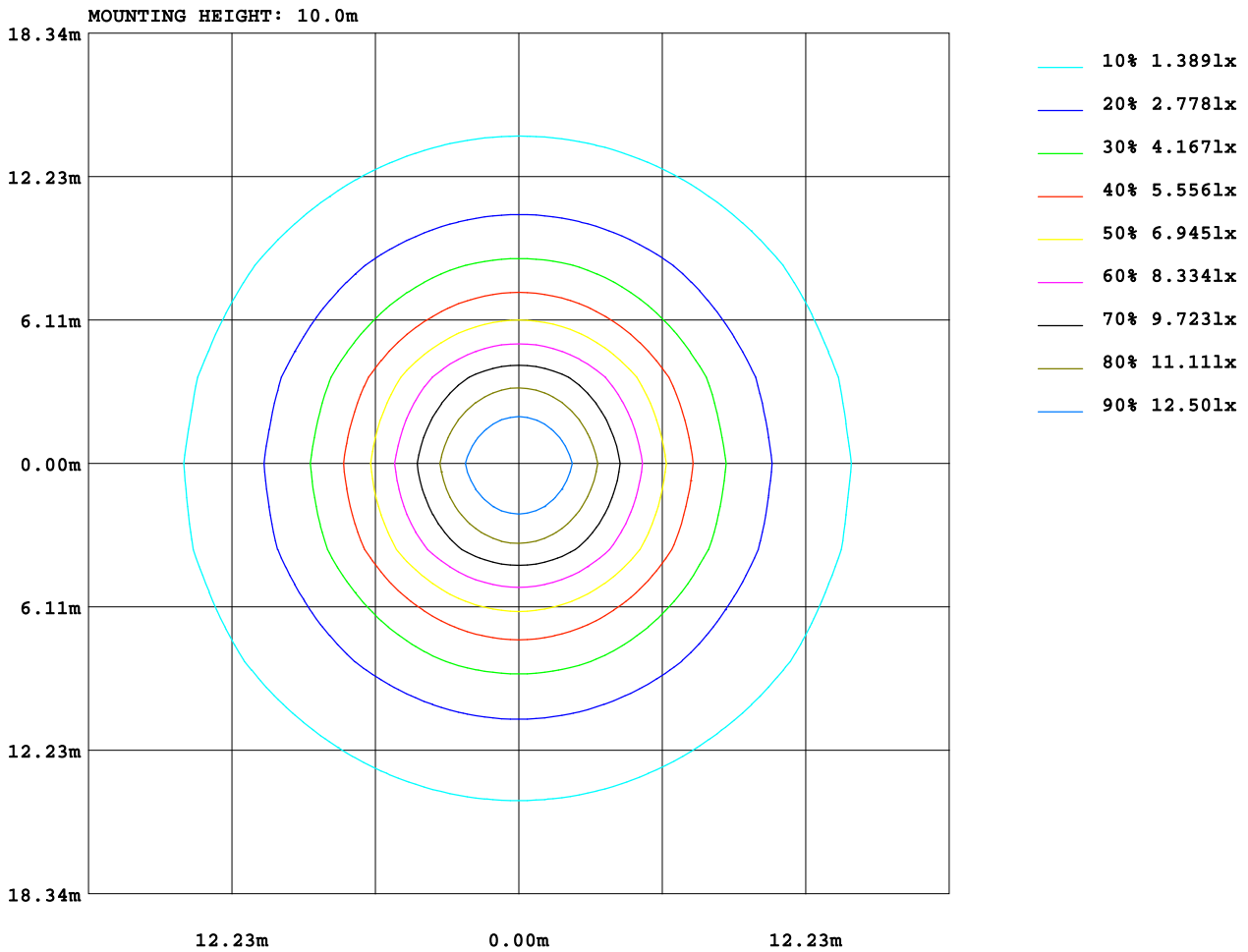
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 2017101412

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-110V	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 296x1196mm	SERIAL No.:2017101412



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2017-10-14

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: 2017101412

MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-30120-38-NW-110V					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>90					DIMENSION: 296x1196mm			SERIAL No.:2017101412		
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	17.7	19.2	17.9	19.4	19.6	17.6	19.1	17.9	19.3	19.5
3H	19.3	20.7	19.6	20.9	21.2	19.2	20.6	19.5	20.8	21.1
4H	19.9	21.3	20.3	21.5	21.8	19.8	21.2	20.1	21.4	21.7
6H	20.5	21.7	20.8	22.0	22.3	20.3	21.6	20.6	21.8	22.1
8H	20.7	21.9	21.0	22.2	22.5	20.5	21.7	20.8	22.0	22.3
12H	20.8	21.9	21.1	22.3	22.6	20.6	21.8	21.0	22.1	22.4
4H 2H	18.3	19.6	18.6	19.9	20.2	18.2	19.6	18.6	19.8	20.1
3H	20.1	21.3	20.5	21.6	21.9	20.0	21.2	20.4	21.5	21.8
4H	20.9	21.9	21.3	22.3	22.6	20.8	21.8	21.2	22.2	22.5
6H	21.5	22.5	21.9	22.8	23.2	21.4	22.3	21.8	22.7	23.1
8H	21.8	22.6	22.2	23.0	23.4	21.6	22.5	22.0	22.9	23.3
12H	21.9	22.7	22.4	23.1	23.6	21.8	22.6	22.3	23.0	23.5
8H 4H	21.2	22.0	21.6	22.4	22.8	21.1	22.0	21.5	22.3	22.7
6H	21.9	22.7	22.4	23.1	23.5	21.8	22.6	22.3	23.0	23.4
8H	22.3	22.9	22.7	23.4	23.8	22.2	22.8	22.6	23.3	23.7
12H	22.5	23.1	23.0	23.6	24.0	22.5	23.0	23.0	23.5	24.0
12H 4H	21.2	22.0	21.6	22.4	22.8	21.1	21.9	21.5	22.3	22.7
6H	22.0	22.7	22.5	23.1	23.6	21.9	22.6	22.4	23.0	23.5
8H	22.4	22.9	22.9	23.4	23.9	22.3	22.8	22.8	23.3	23.8
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	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4010 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:TOM CHEN
 Test Date:2017-10-14

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