

GONIOPHOTOMETERS SYSTEM TEST REPORT

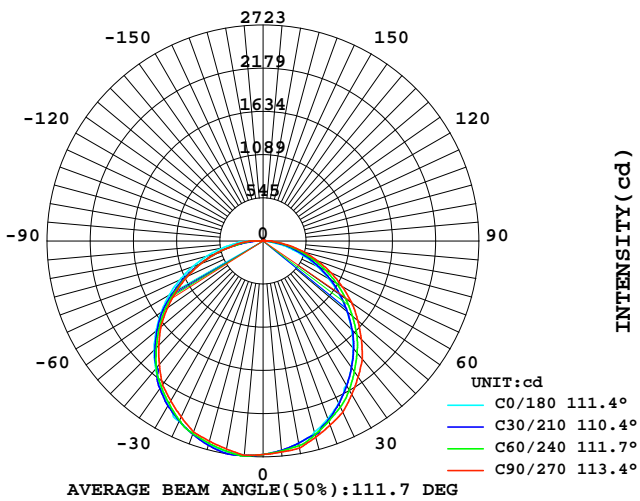
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17022503

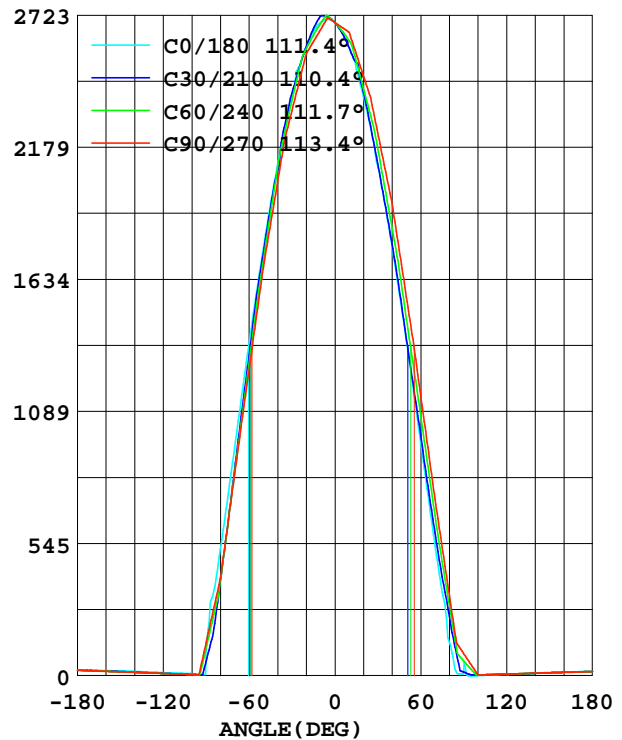
MANUFACTURER: SGSLight Limited		Address:	
NAME: TLP-X-3015N-80		TYPE:LED Panel	WEIGHT:
SPECIFICATION:4000K CRI>80		DIMENSION: 296x1496mm	SERIAL No.:17022503

DATA OF LAMP		Imax(cd)	2727	S/MH(C0/180)	1.31
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.29
NOMINAL POWER(W)	80	TOTAL FLUX(lm)	7873.6	Voltage(V)	218.6
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	96.4	Current(A)	0.350
NOMINAL FLUX(lm)	7873.7	η up(%)	1.0	Power(W)	81.69
LAMPS QUANTITY	1	η down(%)	99.0	Power Factor(PF)	0.959
TEST VOLTAGE(V)	218.7	Effective Flux(lm)	7671.0	EEI	0.145

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017/2/25

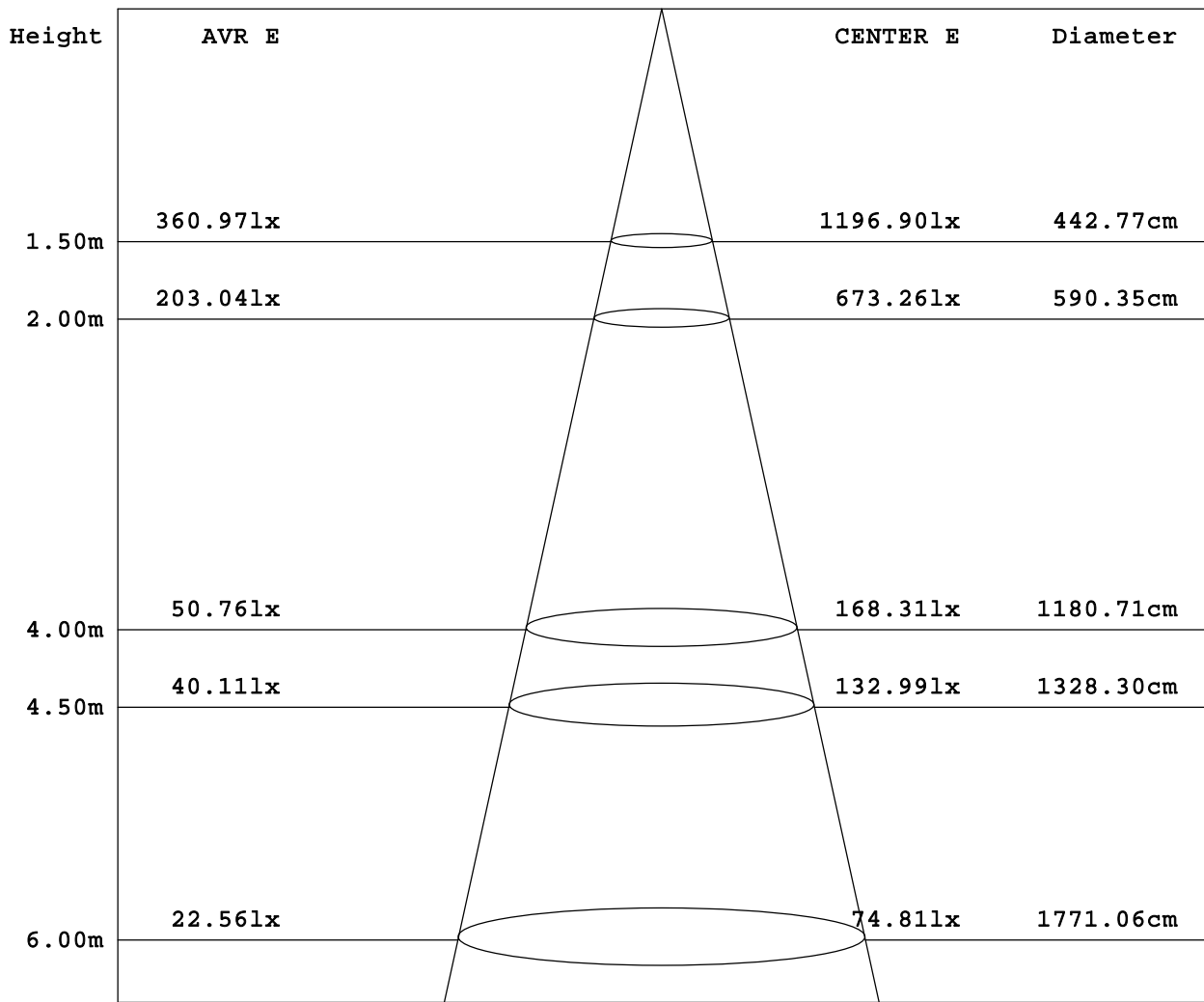
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 17022503

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-X-3015N-80	TYPE:LED Panel	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1496mm	SERIAL No.:17022503



Angle:111.8deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017/2/25

Test Set: 10.0deg/s B-Beta (TYPE B)
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ZONAL FLUX DIAGRAM

Report number: 17022503

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-X-3015N-80	TYPE: LED Panel	WEIGHT:
SPECIFICATION: 4000K CRI>80	DIMENSION: 296x1496mm	SERIAL No.: 17022503

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2707	2720	2713	2681	2653	2653	2673	2691	0- 5	64.30	64.30
10.0	2694	2704	2664	2630	2587	2602	2653	2676	5- 10	190.9	255.2
15.0	2655	2652	2614	2545	2499	2530	2563	2637	10- 15	310.8	566.1
20.0	2593	2587	2565	2453	2389	2432	2473	2547	15- 20	419.6	985.7
25.0	2510	2509	2447	2353	2257	2273	2382	2445	20- 25	514.2	1500
30.0	2389	2394	2330	2221	2104	2135	2237	2335	25- 30	590.9	2091
35.0	2260	2250	2212	2064	1945	1985	2092	2204	30- 35	646.9	2738
40.0	2106	2097	2036	1905	1765	1801	1947	2034	35- 40	682.0	3420
45.0	1944	1937	1860	1745	1579	1621	1754	1859	40- 45	694.3	4114
50.0	1764	1727	1684	1545	1380	1440	1561	1685	45- 50	683.3	4798
55.0	1569	1517	1472	1351	1171	1228	1368	1468	50- 55	650.4	5448
60.0	1369	1303	1260	1159	961.4	1025	1154	1254	55- 60	596.6	6045
65.0	1159	1068	1049	950.9	747.3	825.3	940.5	1036	60- 65	524.5	6569
70.0	940.7	836.7	832.6	751.1	534.6	625.8	726.7	811.1	65- 70	437.9	7007
75.0	729.5	611.1	616.7	560.1	343.9	434.0	529.5	589.2	70- 75	341.5	7349
80.0	521.8	388.2	400.8	374.4	137.1	265.5	332.2	381.7	75- 80	240.9	7590
85.0	337.6	210.2	268.3	217.2	11.36	103.6	135.0	177.4	80- 85	141.6	7731
90.0	138.1	88.69	135.7	91.39	7.633	38.76	91.06	79.43	85- 90	64.39	7796
95.0	6.300	3.514	3.200	3.238	0	13.73	47.03	25.23	90- 95	20.06	7816
100.0	8.000	4.580	4.300	4.720	0.167	3.479	3.000	3.163	95-100	4.006	7820
105.0	8.566	5.615	5.400	6.257	1.333	4.054	3.866	4.318	100-105	2.505	7822
110.0	9.799	6.662	6.500	7.691	2.933	4.635	4.733	5.399	105-110	3.117	7825
115.0	10.93	7.771	7.600	9.076	3.666	5.258	5.600	6.500	110-115	3.637	7829
120.0	12.63	8.905	8.700	10.55	4.933	6.023	6.466	7.518	115-120	4.005	7833
125.0	13.30	10.08	9.800	11.79	6.100	6.803	7.333	8.757	120-125	4.272	7837
130.0	14.53	11.27	10.90	13.07	7.800	7.619	8.200	9.612	125-130	4.471	7842
135.0	16.23	12.48	12.00	14.17	8.966	8.666	9.066	10.75	130-135	4.581	7846
140.0	16.79	13.70	13.10	15.57	10.13	9.354	9.933	11.56	135-140	4.590	7851
145.0	17.93	14.93	14.20	16.32	11.63	10.51	10.79	12.45	140-145	4.475	7855
150.0	19.06	15.88	15.30	17.35	13.13	11.19	11.66	12.91	145-150	4.239	7860
155.0	19.63	17.26	16.40	18.57	13.76	12.15	12.53	14.01	150-155	3.879	7864
160.0	20.76	18.25	17.50	19.46	14.30	13.15	13.40	14.70	155-160	3.394	7867
165.0	21.33	19.53	18.60	20.16	14.83	13.93	14.26	15.21	160-165	2.806	7870
170.0	21.90	20.35	19.70	21.24	15.90	15.24	15.13	16.12	165-170	2.115	7872
175.0	21.90	21.56	20.80	22.10	16.86	16.25	16.00	16.76	170-175	1.334	7873
180.0	21.90	21.90	21.90	21.90	16.86	16.86	16.86	16.86	175-180	0.463	7874
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017/2/25

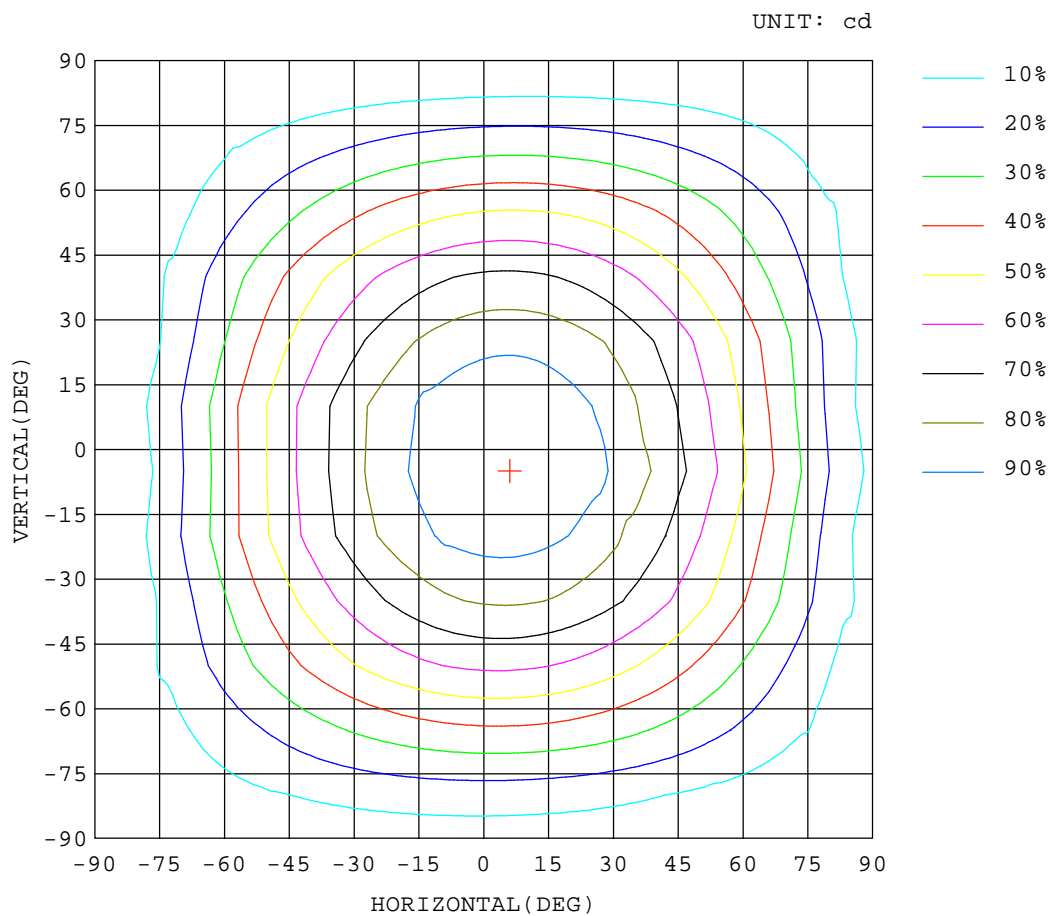
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 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

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ISOCANDELA DIAGRAM

Report number: 17022503

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-X-3015N-80	TYPE:LED Panel	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1496mm	SERIAL No.:17022503



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:Jason
Test Date:2017/2/25

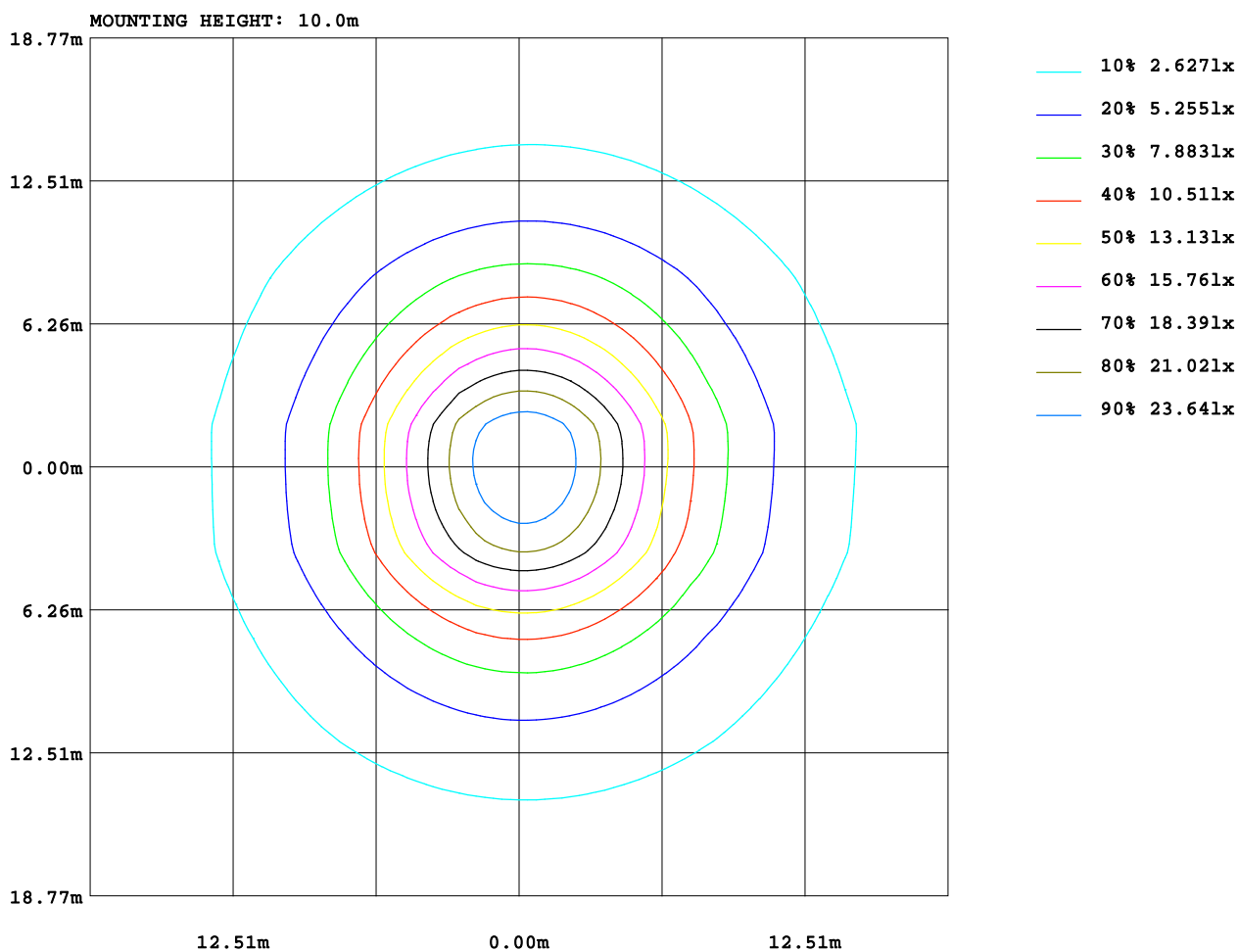
Test Set: 10.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

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ISOLUX DIAGRAM

Report number: 17022503

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-X-3015N-80	TYPE:LED Panel	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 296x1496mm	SERIAL No.:17022503



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017/2/25

Test Set: 10.0deg/s B-Beta (TYPE B)
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Uncorrected UGR Table

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MANUFACTURER: SGSLight Limited						Address:				
NAME: TLP-X-3015N-80						TYPE:LED Panel			WEIGHT:	
SPECIFICATION:4000K CRI>80						DIMENSION: 296x1496mm			SERIAL No.:17022503	
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	19.4	21.0	19.7	21.2	21.4	19.1	20.7	19.4	20.9	21.1
3H	21.2	22.6	21.5	22.9	23.1	20.8	22.2	21.1	22.4	22.7
4H	22.0	23.3	22.3	23.6	23.9	21.5	22.8	21.8	23.1	23.4
6H	22.7	23.9	23.0	24.2	24.5	22.0	23.3	22.4	23.6	23.9
8H	23.0	24.2	23.3	24.5	24.8	22.3	23.5	22.7	23.8	24.1
12H	23.2	24.4	23.6	24.7	25.1	22.6	23.7	22.9	24.0	24.4
4H 2H	20.0	21.4	20.4	21.6	21.9	19.8	21.1	20.1	21.4	21.7
3H	21.9	23.1	22.3	23.4	23.8	21.6	22.8	22.0	23.1	23.4
4H	22.8	23.9	23.2	24.3	24.6	22.5	23.5	22.9	23.9	24.2
6H	23.6	24.6	24.1	25.0	25.4	23.2	24.1	23.6	24.5	24.9
8H	24.0	24.9	24.4	25.3	25.7	23.5	24.4	23.9	24.8	25.2
12H	24.3	25.1	24.7	25.5	26.0	23.8	24.6	24.3	25.0	25.5
8H 4H	23.1	24.0	23.5	24.4	24.8	22.8	23.7	23.2	24.1	24.5
6H	24.0	24.8	24.5	25.2	25.7	23.6	24.4	24.1	24.8	25.3
8H	24.5	25.1	24.9	25.6	26.0	24.1	24.7	24.6	25.2	25.7
12H	24.9	25.4	25.3	25.9	26.4	24.6	25.1	25.1	25.6	26.1
12H 4H	23.1	23.9	23.6	24.3	24.8	22.8	23.6	23.2	24.0	24.5
6H	24.1	24.8	24.6	25.2	25.7	23.7	24.4	24.2	24.8	25.3
8H	24.6	25.1	25.1	25.6	26.1	24.2	24.8	24.7	25.2	25.7
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 7874 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.2)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017/2/25

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