

GONIOPHOTOMETERS SYSTEM TEST REPORT

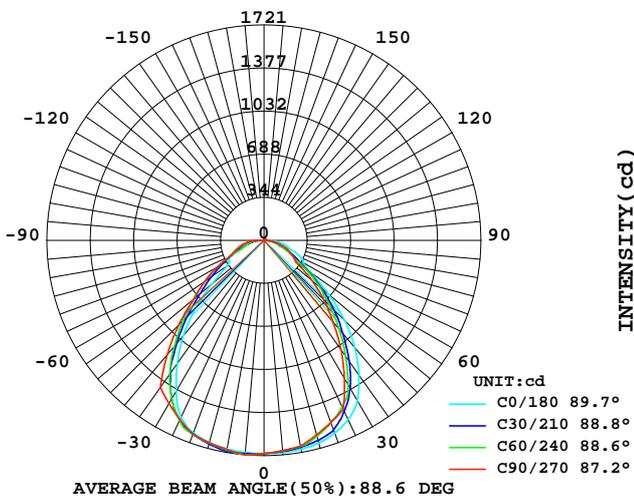
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 18030701

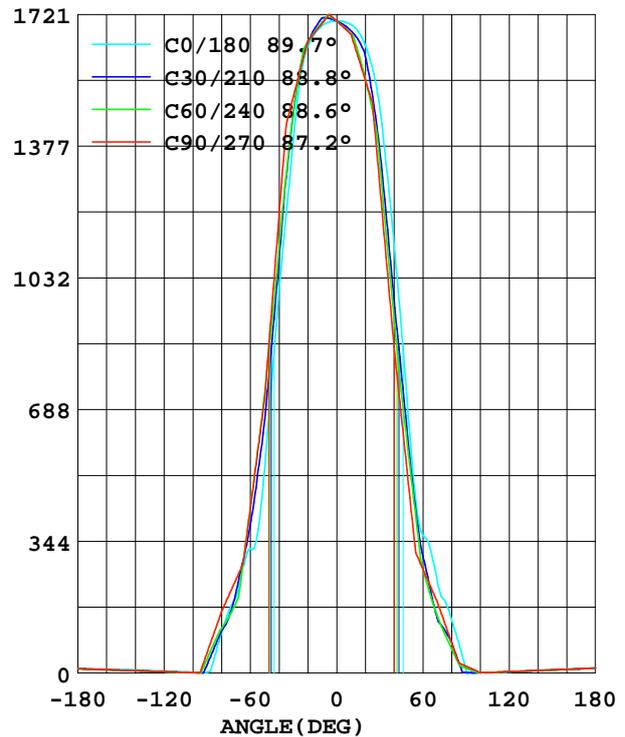
MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-100V-95-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>95	DIMENSION: 296x1196mm	SERIAL No.:18030701

DATA OF LAMP		Imax(cd)	1721	S/MH(C0/180)	1.21
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.30
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	3725.2	Voltage(V)	218.8
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	99.1	Current(A)	0.164
NOMINAL FLUX(lm)	3725.2	η up(%)	0.9	Power(W)	37.59
LAMPS QUANTITY	1	η down(%)	99.1	Power Factor(PF)	0.977
TEST VOLTAGE(V)	218.9	Effective Flux(lm)	3509.7	EEL	0.146

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2018.03.07

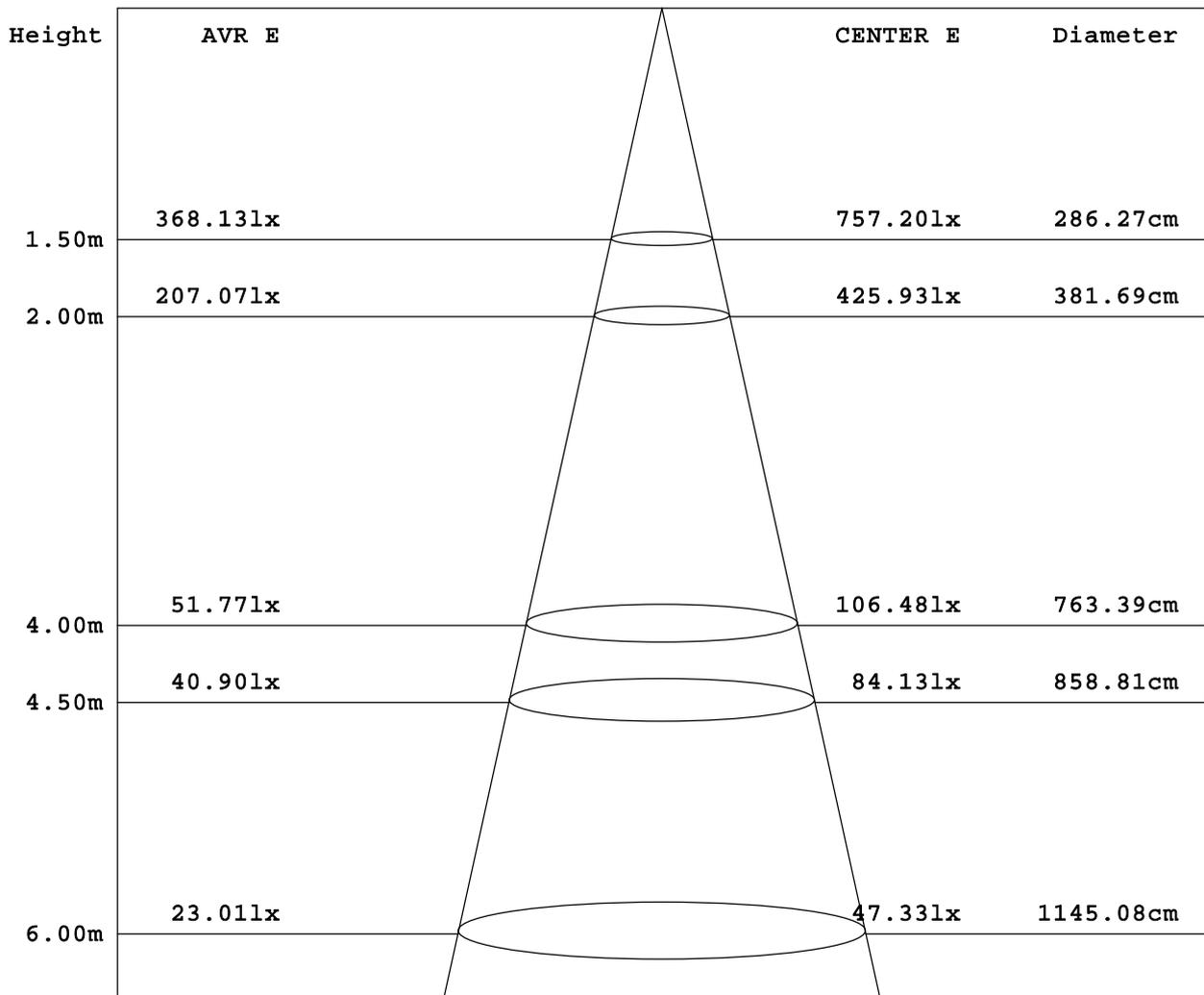
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 18030701

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-100V-95-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>95	DIMENSION: 296x1196mm	SERIAL No.:18030701



Angle:87.3deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2018.03.07

Test Set: 10.0deg/s B-Beta (TYPE B)
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GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number: 18030701

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-100V-95-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>95	DIMENSION: 296x1196mm	SERIAL No.:18030701

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1701	1714	1721	1715	1702	1690	1687	1691	0- 5	40.71	40.71
10.0	1692	1706	1698	1708	1695	1673	1670	1675	5- 10	121.3	162.0
15.0	1672	1679	1675	1685	1676	1644	1609	1646	10- 15	198.7	360.8
20.0	1638	1646	1652	1652	1640	1569	1549	1570	15- 20	270.2	631.1
25.0	1557	1601	1579	1608	1580	1471	1489	1457	20- 25	332.0	963.1
30.0	1397	1477	1507	1511	1481	1343	1276	1300	25- 30	375.4	1339
35.0	1200	1269	1434	1356	1313	1165	1064	1103	30- 35	391.4	1730
40.0	996.8	1045	1196	1157	1121	946.0	851.6	902.3	35- 40	381.0	2111
45.0	771.2	846.1	956.7	951.6	907.2	751.5	672.7	722.3	40- 45	347.0	2458
50.0	536.2	670.9	718.0	774.3	666.6	564.7	493.9	546.3	45- 50	298.1	2756
55.0	362.4	496.6	573.9	607.2	452.6	390.4	315.1	379.1	50- 55	241.3	2998
60.0	324.5	336.2	429.7	434.5	360.8	247.7	272.1	232.0	55- 60	189.3	3187
65.0	278.1	245.1	285.6	293.4	326.5	157.2	229.2	144.4	60- 65	151.3	3338
70.0	197.7	177.2	243.8	178.2	239.0	142.9	186.3	153.7	65- 70	118.3	3457
75.0	161.5	143.1	202.0	135.5	191.2	127.6	132.9	151.3	70- 75	92.04	3549
80.0	105.4	116.1	160.3	128.8	139.6	77.99	79.56	96.67	75- 80	70.87	3620
85.0	39.43	78.62	107.0	100.8	78.46	23.57	26.20	42.90	80- 85	47.60	3667
90.0	2.533	32.33	53.76	42.16	12.43	5.366	17.73	18.76	85- 90	23.22	3691
95.0	1.933	0.664	0.500	0.546	0.800	2.105	9.266	5.763	90- 95	6.511	3697
100.0	2.400	1.220	1.133	1.380	0.467	1.016	0.800	0.830	95-100	1.093	3698
105.0	2.966	1.760	1.766	2.190	0.800	1.586	1.566	1.733	100-105	0.816	3699
110.0	3.533	2.332	2.400	2.968	1.233	2.110	2.333	2.634	105-110	1.096	3700
115.0	4.100	2.961	3.033	3.708	2.200	2.702	3.100	3.520	110-115	1.387	3701
120.0	4.666	3.640	3.666	4.407	3.266	3.379	3.866	4.344	115-120	1.674	3703
125.0	5.133	4.207	4.300	5.226	3.900	4.040	4.633	5.260	120-125	1.963	3705
130.0	5.700	4.688	4.933	5.984	5.500	4.787	5.400	6.083	125-130	2.236	3707
135.0	7.300	5.473	5.566	6.368	6.566	5.571	6.166	6.762	130-135	2.425	3710
140.0	7.866	6.019	6.200	6.918	7.200	5.839	6.933	7.725	135-140	2.493	3712
145.0	8.433	6.487	6.833	7.830	8.266	7.000	7.700	8.138	140-145	2.474	3715
150.0	9.000	7.227	7.466	8.353	9.333	7.919	8.466	9.076	145-150	2.370	3717
155.0	9.100	8.065	8.100	8.855	9.866	8.310	9.233	9.756	150-155	2.188	3719
160.0	9.666	8.499	8.733	9.338	10.93	9.205	10.00	10.75	155-160	1.956	3721
165.0	10.13	9.197	9.366	9.682	11.03	10.13	10.76	11.12	160-165	1.638	3723
170.0	10.69	9.847	10.00	10.36	11.56	11.07	11.53	11.49	165-170	1.253	3724
175.0	11.26	10.81	10.63	10.81	12.10	12.25	12.29	12.52	170-175	0.801	3725
180.0	11.26	11.26	11.26	11.26	13.06	13.06	13.06	13.06	175-180	0.282	3725
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2018.03.07

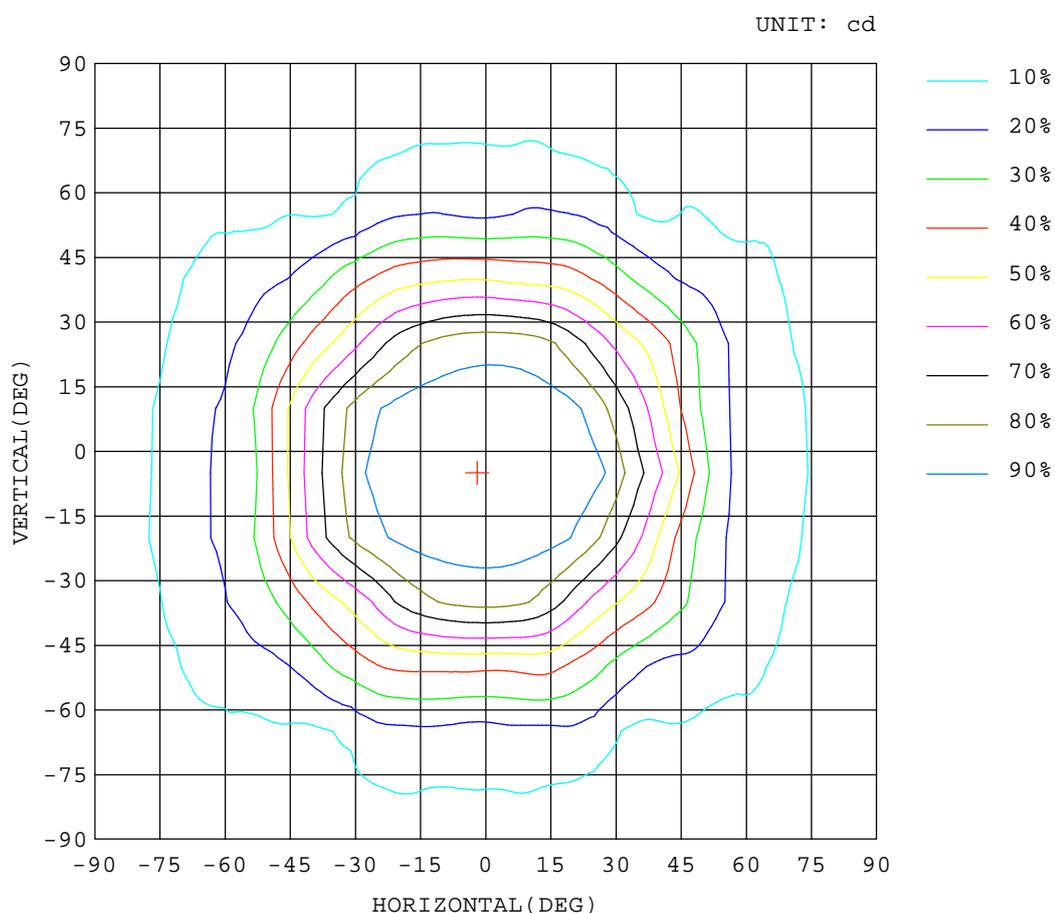
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

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ISOCANDELA DIAGRAM

Report number: 18030701

MANUFACTURER: SGSLight Limited	Address:	
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SPECIFICATION:4000K CRI>95	DIMENSION: 296x1196mm	SERIAL No.:18030701



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 Operators:Jason
 Test Date:2018.03.07

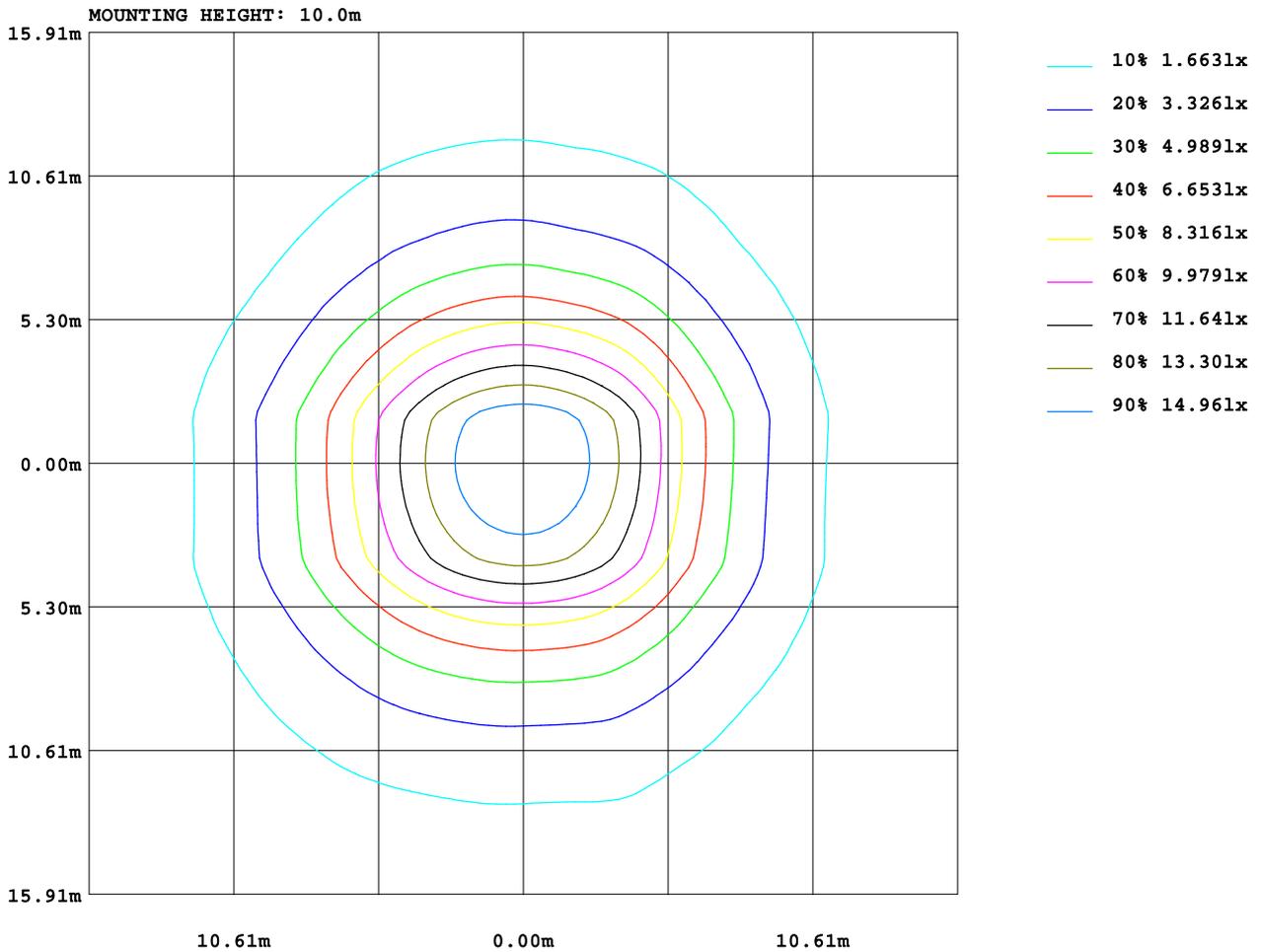
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 18030701

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-30120-38-NW-100V-95-UGR	TYPE: LED Panel Light	WEIGHT:
SPECIFICATION: 4000K CRI>95	DIMENSION: 296x1196mm	SERIAL No.: 18030701



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2018.03.07

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: 18030701

MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-30120-38-NW-100V-95-UGR					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>95					DIMENSION: 296x1196mm			SERIAL No.:18030701		
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	14.9	16.3	15.2	16.5	16.7	16.3	17.6	16.5	17.8	18.1
3H	16.0	17.2	16.3	17.5	17.7	17.2	18.5	17.5	18.7	19.0
4H	16.5	17.7	16.8	17.9	18.2	17.8	19.0	18.1	19.3	19.5
6H	16.9	18.0	17.3	18.3	18.6	18.4	19.5	18.8	19.8	20.1
8H	17.1	18.1	17.4	18.4	18.7	18.7	19.8	19.1	20.1	20.4
12H	17.1	18.2	17.5	18.5	18.8	19.1	20.1	19.4	20.4	20.7
4H 2H	15.3	16.5	15.6	16.7	17.0	16.4	17.6	16.7	17.8	18.1
3H	16.5	17.6	16.9	17.9	18.2	17.5	18.5	17.9	18.9	19.2
4H	17.2	18.1	17.6	18.5	18.8	18.3	19.2	18.7	19.6	19.9
6H	17.8	18.7	18.2	19.0	19.4	19.1	20.0	19.6	20.3	20.7
8H	18.1	18.9	18.5	19.2	19.6	19.6	20.4	20.0	20.8	21.2
12H	18.2	18.9	18.7	19.3	19.8	20.1	20.8	20.5	21.2	21.6
8H 4H	17.4	18.1	17.8	18.5	18.9	18.4	19.2	18.8	19.5	19.9
6H	18.2	18.8	18.6	19.3	19.7	19.4	20.1	19.9	20.5	20.9
8H	18.6	19.2	19.1	19.6	20.1	20.0	20.6	20.5	21.0	21.5
12H	18.9	19.4	19.4	19.8	20.3	20.6	21.1	21.1	21.6	22.1
12H 4H	17.4	18.1	17.8	18.5	18.9	18.4	19.1	18.8	19.5	19.9
6H	18.3	18.9	18.8	19.3	19.8	19.5	20.1	20.0	20.5	21.0
8H	18.8	19.3	19.3	19.7	20.2	20.1	20.6	20.6	21.1	21.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.6					+ 0.2 / - 0.3				
2.0H	+ 0.5 / - 0.7					+ 0.4 / - 0.6				

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

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2018.03.07

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