

GONIOPHOTOMETERS SYSTEM TEST REPORT

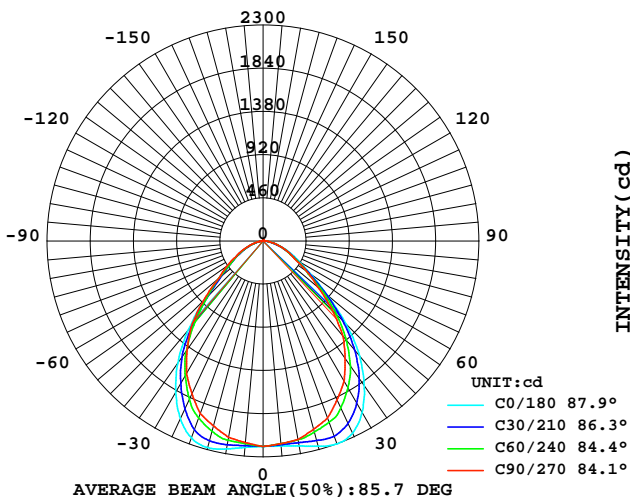
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17112601

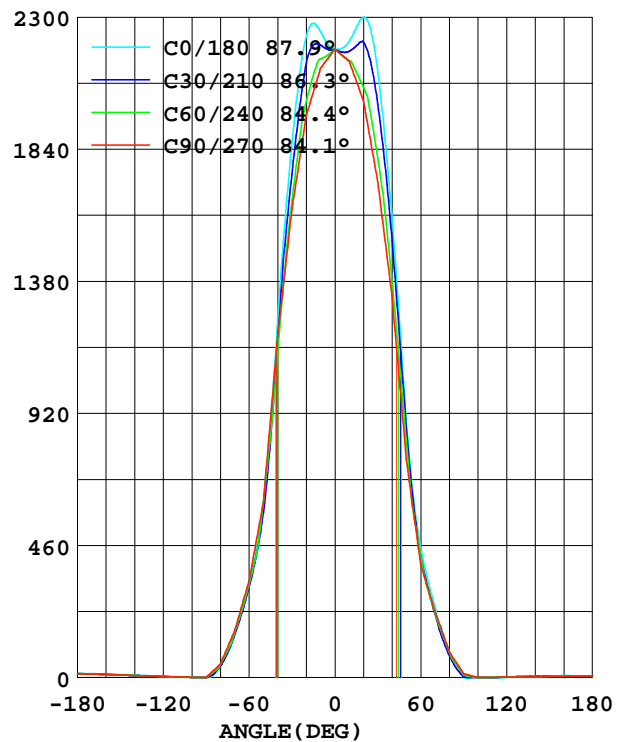
MANUFACTURER: SGSLight limited		Address:	
NAME: TLP-30120-48-NW-105-NU-IP65		TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80		DIMENSION: 596x596 mm	SERIAL No.:17112601

DATA OF LAMP		Imax(cd)	2300	S/MH(C0/180)	1.20
MODEL	5500K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.13
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	4461.8	Voltage(V)	218.8
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	106.3	Current(A)	0.196
NOMINAL FLUX(lm)	4461.9	η up(%)	0.5	Power(W)	41.97
LAMPS QUANTITY	1	η down(%)	99.5	Power Factor(PF)	0.974
TEST VOLTAGE(V)	218.9	Effictive Flux(lm)	4227.3	EEI	0.135

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-26

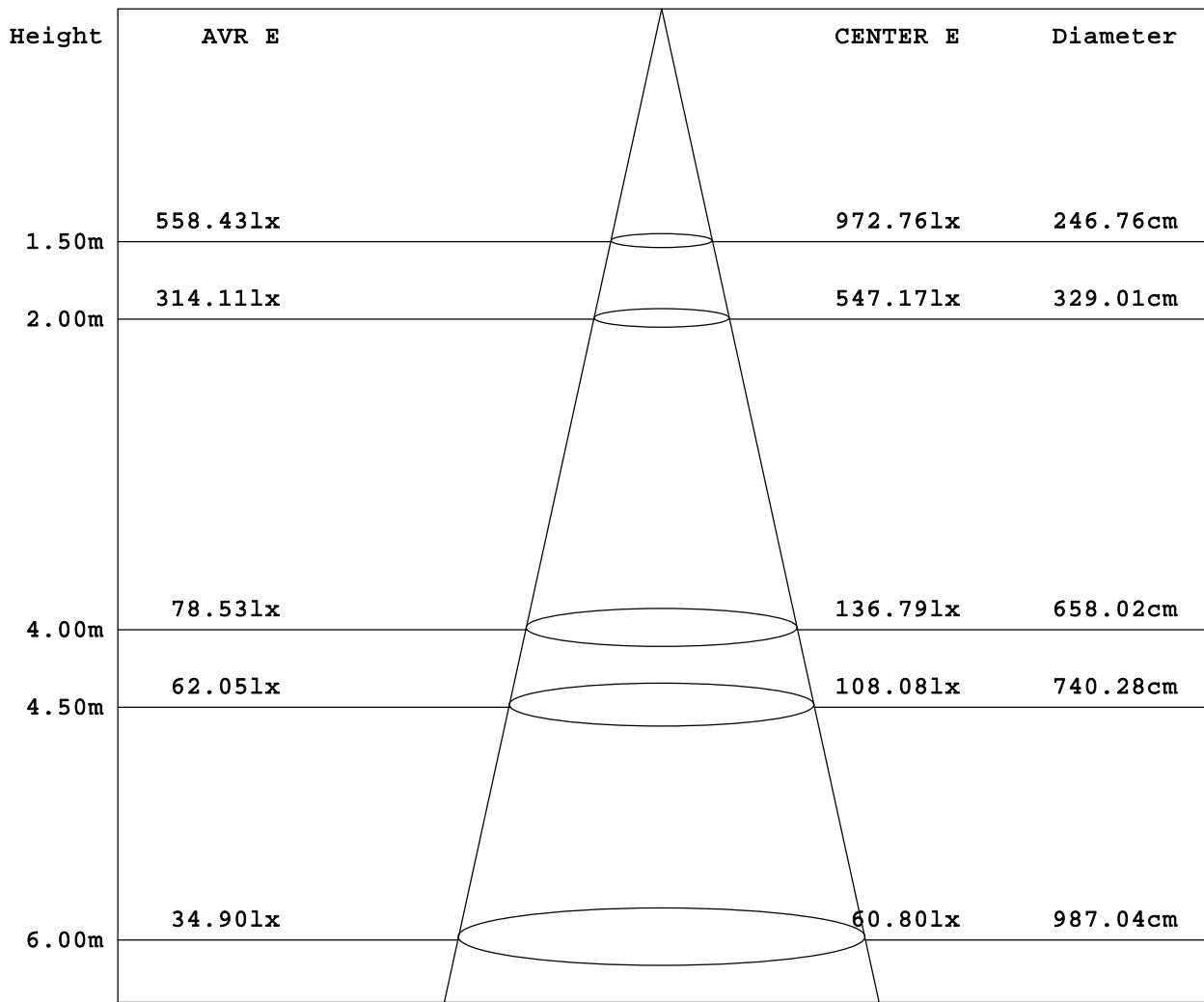
Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 17112601

MANUFACTURER: SGSLight limited	Address:	
NAME: TLP-30120-48-NW-105-NU-IP65	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596 mm	SERIAL No.:17112601



Angle:78.9deg

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-26

Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number: 17112601

MANUFACTURER: SGSLight limited	Address:	
NAME: TLP-30120-48-NW-105-NU-IP65	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596 mm	SERIAL No.:17112601

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	2208	2177	2156	2165	2192	2172	2168	2186	0- 5	52.12	52.12
10.0	2249	2178	2123	2151	2215	2163	2146	2199	5- 10	155.6	207.8
15.0	2279	2162	2040	2139	2265	2158	2077	2199	10- 15	257.3	465.1
20.0	2232	2063	1958	2086	2300	2121	2009	2125	15- 20	352.0	817.2
25.0	2088	1918	1794	2004	2259	2051	1867	2005	20- 25	431.0	1248
30.0	1861	1712	1631	1854	2110	1906	1726	1822	25- 30	483.0	1731
35.0	1579	1448	1410	1650	1878	1706	1526	1590	30- 35	503.7	2235
40.0	1249	1143	1189	1409	1604	1470	1325	1324	35- 40	488.0	2723
45.0	883.5	834.2	899.5	1089	1253	1146	1042	1007	40- 45	434.0	3157
50.0	610.9	580.5	610.0	770.0	885.1	811.7	758.4	716.6	45- 50	350.7	3508
55.0	444.1	431.3	473.0	562.9	624.4	589.0	576.2	527.1	50- 55	268.5	3776
60.0	331.0	314.4	336.1	400.2	450.5	415.9	394.1	383.9	55- 60	207.6	3984
65.0	238.7	229.2	249.8	299.4	337.8	308.4	312.1	292.2	60- 65	160.4	4145
70.0	157.3	152.9	163.5	209.0	246.9	218.5	230.0	212.4	65- 70	121.5	4266
75.0	88.80	86.78	105.5	128.0	162.1	144.3	159.5	145.4	70- 75	84.74	4351
80.0	39.70	44.30	47.50	70.97	92.39	84.65	89.00	88.37	75- 80	52.25	4403
85.0	10.80	15.41	23.75	28.24	44.79	38.08	51.25	43.49	80- 85	26.30	4429
90.0	0.600	0	0.000	0.100	13.70	5.500	13.50	12.40	85- 90	9.495	4439
95.0	0.300	0.439	0.400	0.312	0	1.704	6.850	3.730	90- 95	1.597	4441
100.0	0.400	1.011	0.800	0.880	0	0.375	0.200	0.140	95-100	0.587	4441
105.0	1.999	1.659	1.600	1.789	0	0.853	0.550	0.208	100-105	0.503	4442
110.0	2.799	2.251	2.400	2.640	0	1.306	0.900	0.445	105-110	0.759	4442
115.0	3.700	3.040	3.200	3.442	0	1.972	1.250	0.549	110-115	0.991	4443
120.0	4.500	3.915	4.000	4.492	0.800	2.292	1.600	0.785	115-120	1.233	4445
125.0	5.400	4.519	4.800	5.223	3.200	2.728	1.950	0.894	120-125	1.462	4446
130.0	6.200	5.485	5.600	6.083	3.299	3.390	2.300	1.078	125-130	1.649	4448
135.0	7.800	6.168	6.400	7.210	4.899	3.778	2.650	1.542	130-135	1.812	4450
140.0	8.700	7.194	7.200	7.504	6.500	4.145	3.000	2.172	135-140	1.908	4451
145.0	9.500	7.775	8.000	8.648	5.800	4.492	3.350	2.346	140-145	1.935	4453
150.0	10.40	8.890	8.800	9.846	6.600	5.230	3.700	3.089	145-150	1.886	4455
155.0	11.20	10.06	9.600	10.16	6.600	5.518	4.050	3.665	150-155	1.776	4457
160.0	12.00	10.63	10.40	11.19	6.600	5.445	4.400	3.578	155-160	1.601	4459
165.0	12.79	11.88	11.20	11.78	6.600	5.472	4.750	4.356	160-165	1.346	4460
170.0	13.60	12.42	12.00	13.09	5.900	5.302	5.100	5.230	165-170	1.026	4461
175.0	13.60	13.03	12.80	13.03	5.099	4.887	5.450	4.887	170-175	0.648	4462
180.0	13.60	13.60	13.60	13.60	5.800	5.800	5.800	5.800	175-180	0.226	4462
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-26

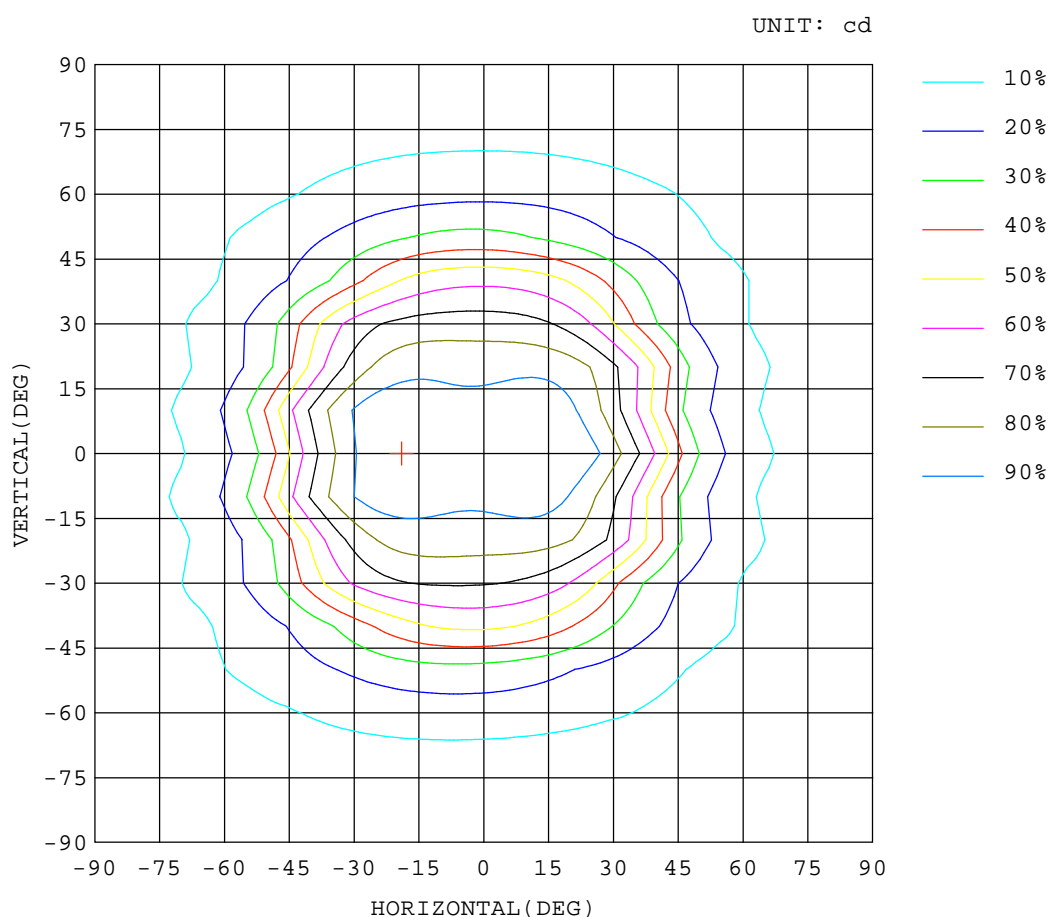
Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 17112601

MANUFACTURER: SGSLight limited	Address:	
NAME: TLP-30120-48-NW-105-NU-IP65	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596 mm	SERIAL No.:17112601



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:Jason
Test Date:2017-11-26

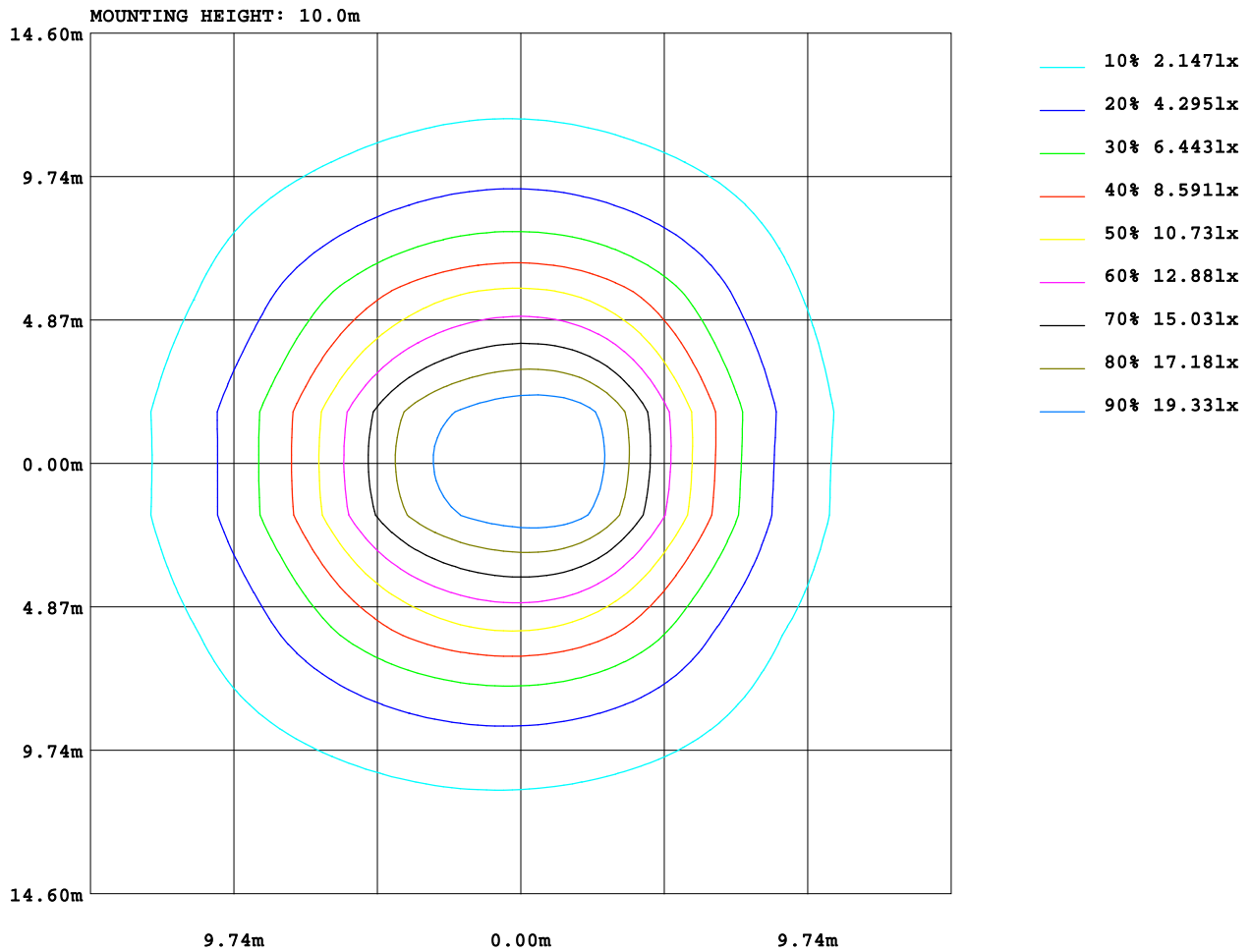
Test Set: 8.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 17112601

MANUFACTURER: SGSLight limited	Address:	
NAME: TLP-30120-48-NW-105-NU-IP65	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>80	DIMENSION: 596x596 mm	SERIAL No.:17112601



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-26

Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number: 17112601

MANUFACTURER: SGSLight limited					Address:					
NAME: TLP-30120-48-NW-105-NU-IP65					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>80					DIMENSION: 596x596 mm			SERIAL No.:17112601		
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	14.2	15.5	14.5	15.7	15.9	14.3	15.6	14.6	15.8	16.0
3H	14.8	16.0	15.1	16.2	16.4	15.0	16.2	15.2	16.4	16.6
4H	14.9	16.0	15.2	16.3	16.6	15.2	16.3	15.5	16.6	16.8
6H	14.9	16.0	15.3	16.3	16.6	15.3	16.3	15.6	16.6	16.9
8H	14.9	16.0	15.3	16.2	16.5	15.3	16.3	15.6	16.6	16.9
12H	14.9	15.9	15.2	16.2	16.5	15.3	16.3	15.6	16.5	16.9
4H 2H	14.4	15.6	14.7	15.8	16.1	14.5	15.7	14.8	15.9	16.2
3H	15.1	16.1	15.5	16.4	16.7	15.3	16.3	15.6	16.6	16.9
4H	15.3	16.2	15.7	16.5	16.9	15.6	16.5	16.0	16.8	17.1
6H	15.4	16.2	15.8	16.6	16.9	15.8	16.5	16.1	16.9	17.3
8H	15.4	16.1	15.8	16.5	16.9	15.8	16.5	16.2	16.9	17.3
12H	15.4	16.1	15.8	16.4	16.9	15.8	16.5	16.2	16.9	17.3
8H 4H	15.4	16.1	15.8	16.5	16.9	15.6	16.4	16.0	16.7	17.1
6H	15.5	16.1	15.9	16.5	17.0	15.8	16.4	16.3	16.9	17.3
8H	15.5	16.1	16.0	16.5	17.0	15.9	16.4	16.4	16.9	17.3
12H	15.5	16.0	16.0	16.4	16.9	16.0	16.4	16.5	16.9	17.4
12H 4H	15.3	16.0	15.8	16.4	16.8	15.6	16.3	16.0	16.6	17.1
6H	15.5	16.0	16.0	16.5	16.9	15.8	16.4	16.3	16.8	17.2
8H	15.5	16.0	16.0	16.4	16.9	15.9	16.4	16.4	16.8	17.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 1.0					+ 0.6 / - 0.7				
1.5H	+ 1.1 / - 0.7					+ 0.6 / - 0.7				
2.0H	+ 1.7 / - 1.1					+ 1.5 / - 1.0				

CIE Pub.117 Corrected 4462 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017-11-26

Test Set: 8.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: