

GONIOPHOTOMETERS SYSTEM TEST REPORT

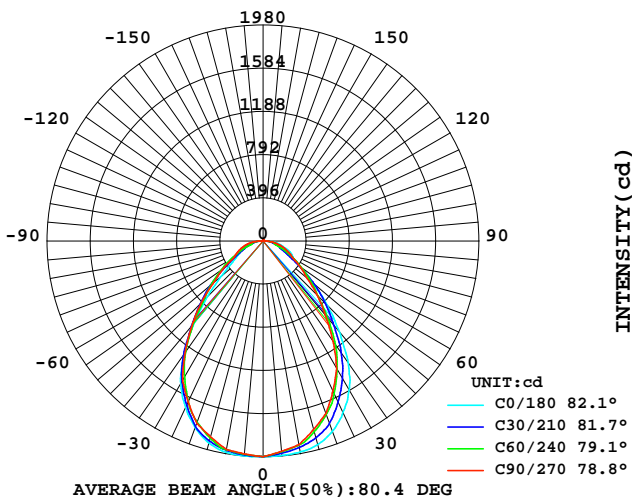
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number: 17122103

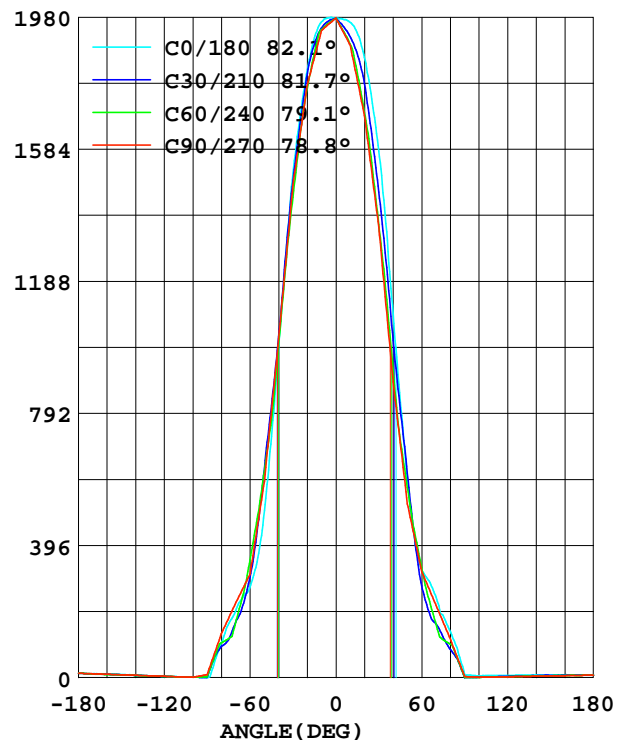
MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-38-NW-100V-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:17122103

DATA OF LAMP		Imax(cd)	1980	S/MH(C0/180)	1.15
MODEL	4000K	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.13
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	3743.9	Voltage(V)	218.6
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	99.0	Current(A)	0.167
NOMINAL FLUX(lm)	3744.0	η up(%)	0.8	Power(W)	37.79
LAMPS QUANTITY	1	η down(%)	99.2	Power Factor(PF)	0.973
TEST VOLTAGE(V)	218.6	Effective Flux(lm)	3475.7	EEL	0.147

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017.12.21

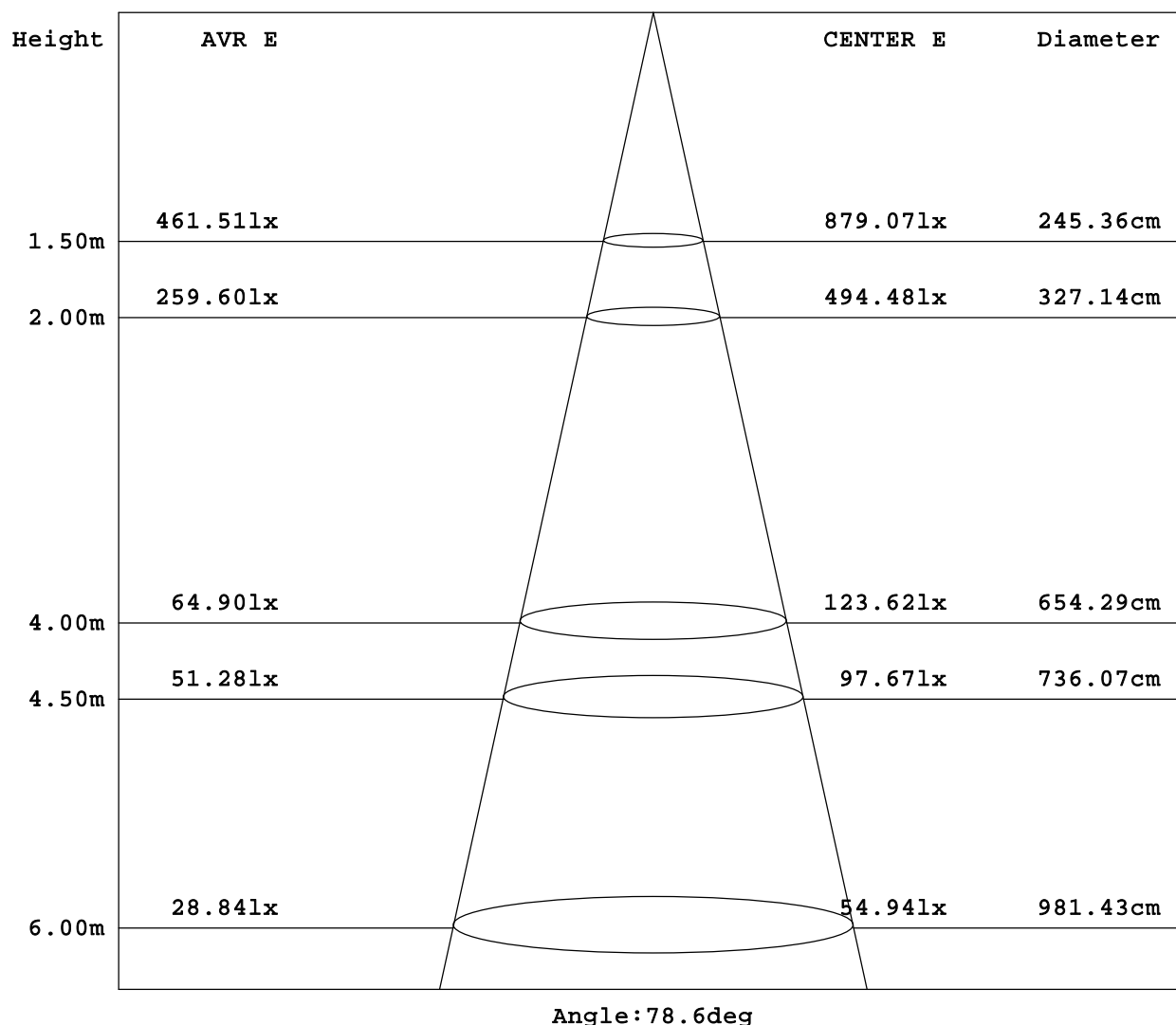
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number: 17122103

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-38-NW-100V-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:17122103



Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017.12.21

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: 17122103

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-38-NW-100V-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:17122103

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1979	1966	1959	1963	1974	1946	1937	1951	0- 5	46.98	46.98
10.0	1966	1945	1941	1944	1965	1909	1897	1916	5- 10	139.1	186.1
15.0	1919	1896	1859	1907	1932	1847	1791	1853	10- 15	225.7	411.8
20.0	1823	1779	1777	1813	1859	1725	1685	1721	15- 20	299.9	711.8
25.0	1680	1638	1627	1698	1736	1579	1518	1569	20- 25	356.6	1068
30.0	1513	1461	1477	1539	1579	1400	1351	1391	25- 30	391.0	1460
35.0	1268	1231	1246	1333	1362	1177	1119	1170	30- 35	399.2	1859
40.0	981.8	984.8	1016	1102	1092	940.4	886.3	945.5	35- 40	374.7	2234
45.0	723.2	806.8	801.7	899.1	831.7	760.2	703.7	780.0	40- 45	331.2	2565
50.0	500.4	629.7	587.7	720.8	594.7	583.0	521.0	608.3	45- 50	280.8	2846
55.0	346.7	422.5	448.9	515.0	415.6	406.2	419.5	426.0	50- 55	226.2	3072
60.0	272.3	236.9	310.1	315.1	323.6	243.8	318.1	261.7	55- 60	175.3	3247
65.0	239.1	163.5	266.9	202.8	290.3	177.4	267.4	172.9	60- 65	134.8	3382
70.0	199.6	133.3	223.7	149.6	241.3	144.6	216.8	134.6	65- 70	108.7	3491
75.0	161.3	148.9	178.0	152.7	186.8	136.6	166.1	141.4	70- 75	87.29	3578
80.0	104.0	111.4	132.3	126.5	137.8	97.40	115.5	112.0	75- 80	69.64	3648
85.0	42.70	58.94	70.50	80.31	84.50	49.78	59.34	65.08	80- 85	47.87	3696
90.0	0.800	0.500	8.700	17.00	10.20	0	3.200	7.300	85- 90	19.70	3715
95.0	0.200	0.782	4.850	5.445	6.400	0.353	2.050	2.693	90- 95	3.129	3718
100.0	1.000	1.220	1.000	1.240	5.699	0.820	0.900	0.743	95-100	1.164	3720
105.0	1.800	1.760	1.750	2.320	6.500	1.360	1.300	0.808	100-105	0.919	3721
110.0	1.800	2.340	2.500	3.468	5.800	2.051	1.700	0.862	105-110	1.196	3722
115.0	3.300	3.006	3.250	4.263	5.800	2.606	2.100	1.148	110-115	1.445	3723
120.0	4.100	3.554	4.000	5.377	5.900	3.130	2.500	1.384	115-120	1.659	3725
125.0	4.900	4.222	4.750	6.255	6.700	3.822	2.900	1.494	120-125	1.839	3727
130.0	5.700	4.908	5.499	7.161	6.800	4.189	3.300	1.996	125-130	1.971	3729
135.0	7.300	5.473	6.249	7.957	6.900	5.073	3.700	2.142	130-135	2.083	3731
140.0	8.099	6.424	6.999	8.690	7.700	5.531	4.100	2.772	135-140	2.131	3733
145.0	8.200	7.439	7.749	9.353	7.800	5.529	4.500	3.482	140-145	2.115	3735
150.0	9.000	7.935	8.499	10.14	8.600	5.760	4.900	4.267	145-150	2.040	3737
155.0	9.800	9.027	9.249	10.78	7.900	6.357	5.300	4.188	150-155	1.896	3739
160.0	10.60	8.973	9.999	11.38	7.200	6.701	5.700	4.834	155-160	1.676	3741
165.0	11.39	10.42	10.74	11.39	8.000	7.034	6.099	5.748	160-165	1.396	3742
170.0	11.50	10.60	11.49	11.97	8.000	7.360	6.500	6.002	165-170	1.059	3743
175.0	12.29	12.11	12.24	12.46	7.300	7.016	6.900	7.016	170-175	0.670	3744
180.0	12.99	12.99	12.99	12.99	7.300	7.300	7.300	7.300	175-180	0.235	3744
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017.12.21

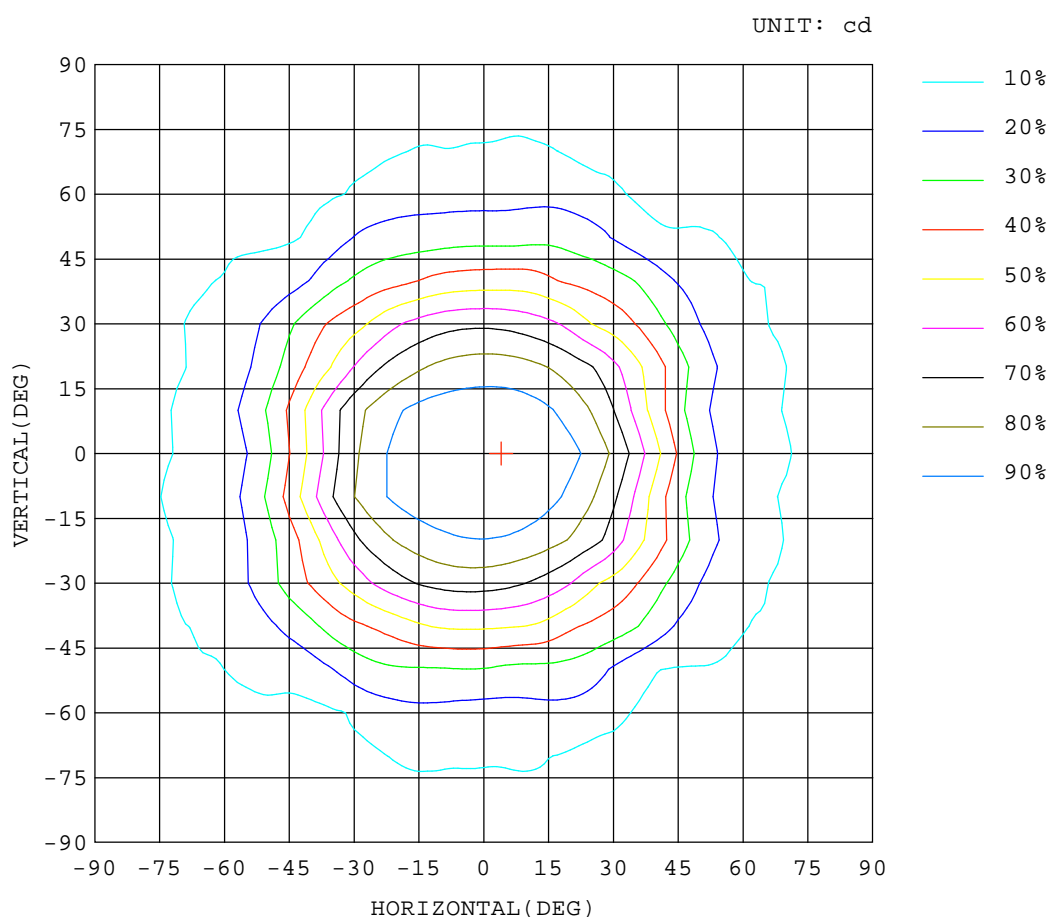
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number: 17122103

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-38-NW-100V-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:17122103



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017.12.21

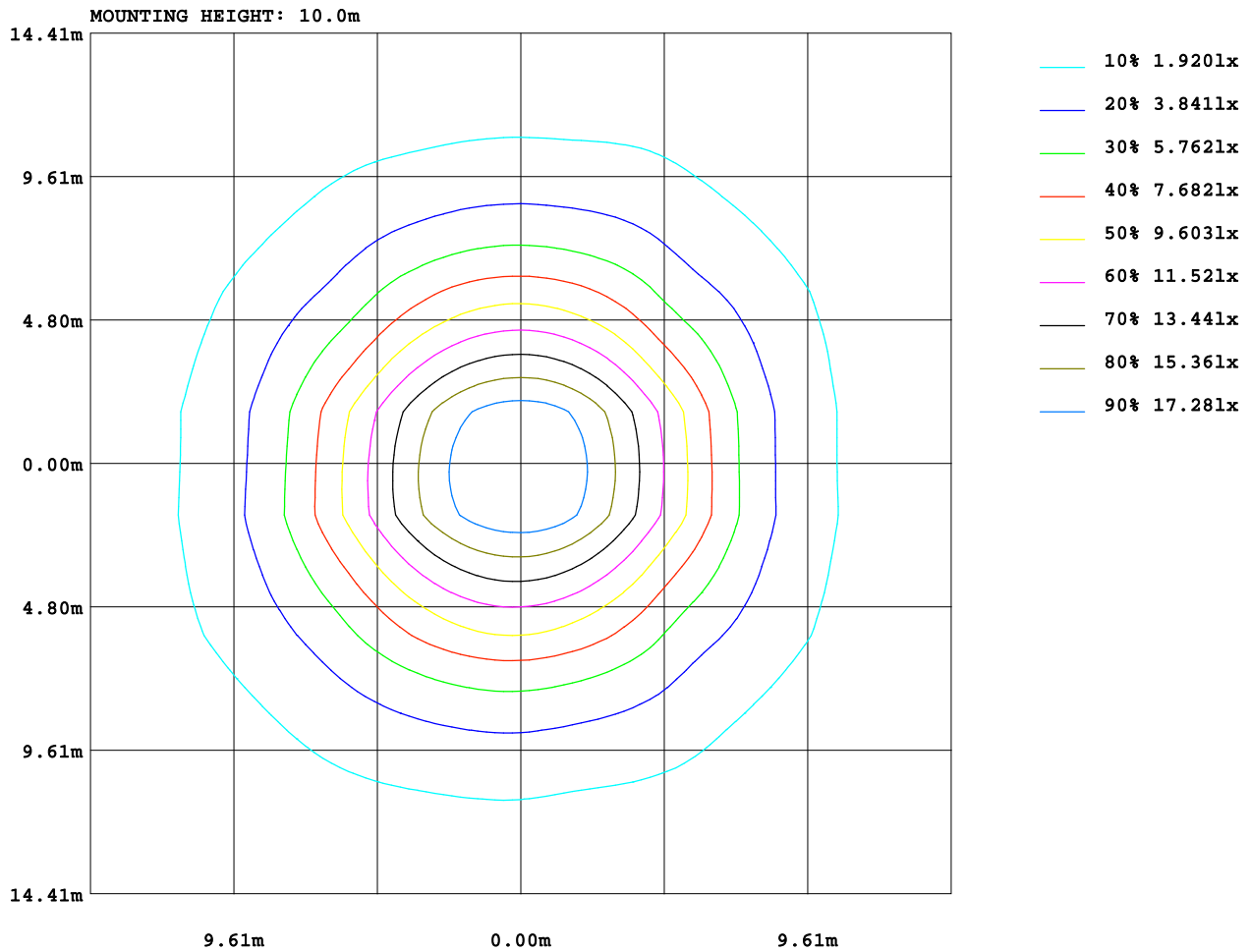
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number: 17122103

MANUFACTURER: SGSLight Limited	Address:	
NAME: TLP-6060-38-NW-100V-UGR	TYPE:LED Panel Light	WEIGHT:
SPECIFICATION:4000K CRI>90	DIMENSION: 596x596mm	SERIAL No.:17122103



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017.12.21

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: 17122103

MANUFACTURER: SGSLight Limited					Address:					
NAME: TLP-6060-38-NW-100V-UGR					TYPE:LED Panel Light			WEIGHT:		
SPECIFICATION:4000K CRI>90					DIMENSION: 596x596mm			SERIAL No.:17122103		
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	14.4	15.7	14.6	15.9	16.1	14.8	16.1	15.1	16.3	16.5
3H	15.3	16.5	15.6	16.8	17.0	15.9	17.2	16.2	17.4	17.6
4H	15.9	17.0	16.2	17.3	17.5	16.6	17.7	16.9	18.0	18.2
6H	16.4	17.5	16.7	17.8	18.0	17.2	18.3	17.5	18.5	18.8
8H	16.6	17.6	16.9	17.9	18.2	17.4	18.5	17.8	18.8	19.1
12H	16.7	17.7	17.1	18.0	18.3	17.7	18.7	18.0	19.0	19.3
4H 2H	14.5	15.7	14.8	15.9	16.2	14.9	16.1	15.2	16.3	16.6
3H	15.6	16.7	16.0	17.0	17.3	16.2	17.2	16.5	17.5	17.8
4H	16.3	17.3	16.7	17.6	17.9	17.0	17.9	17.3	18.2	18.6
6H	17.1	17.9	17.5	18.3	18.7	17.8	18.6	18.2	19.0	19.4
8H	17.4	18.2	17.9	18.6	19.0	18.2	19.0	18.6	19.3	19.7
12H	17.7	18.3	18.1	18.7	19.2	18.5	19.2	19.0	19.6	20.0
8H 4H	16.5	17.3	17.0	17.7	18.1	17.1	17.9	17.5	18.2	18.6
6H	17.5	18.1	17.9	18.5	19.0	18.1	18.7	18.6	19.2	19.6
8H	17.9	18.5	18.4	18.9	19.4	18.6	19.2	19.1	19.6	20.1
12H	18.3	18.8	18.8	19.2	19.7	19.1	19.6	19.6	20.0	20.5
12H 4H	16.6	17.3	17.0	17.7	18.1	17.1	17.8	17.5	18.2	18.6
6H	17.6	18.1	18.0	18.6	19.0	18.2	18.7	18.7	19.2	19.6
8H	18.1	18.6	18.6	19.0	19.5	18.7	19.2	19.2	19.7	20.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.6					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.6					+ 0.2 / - 0.4				
2.0H	+ 0.7 / - 0.8					+ 0.5 / - 0.7				

CIE Pub.117 Corrected 3744 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.6)

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:Jason
 Test Date:2017.12.21

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