

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

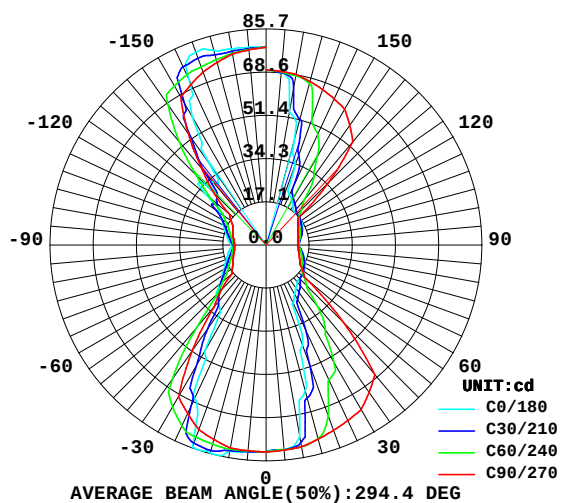
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number :

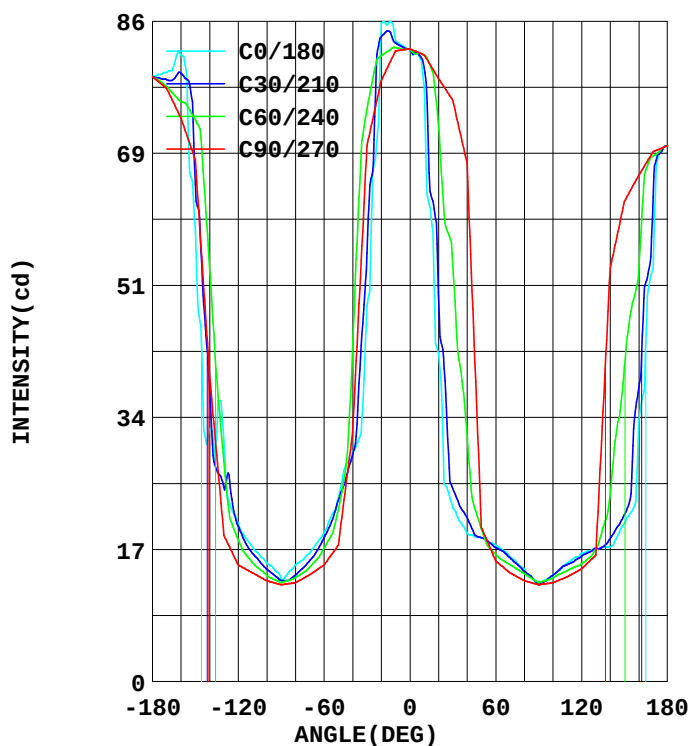
MANUFACTURER :	Address :		
NAME : LBD3450-4	TYPE :	WEIGHT :	
SPECIFICATION :	DIMENSION :	SERIAL No. :	

DATA OF LAMP		Imax(cd)	85.71	S/MH(C0/180)	0.93
MODEL		EFFICIENCY(%)	93.3	S/MH(C90/270)	1.09
NOMINAL POWER(W)	4	TOTAL FLUX(lm)	328.34	Voltage(V)	217.1
RATED VOLTAGE(V)	218	EFFICIENCY(lm/w)	91.2	Current(A)	0.032
NOMINAL FLUX(lm)	352.0	η up(%)	44.9	Power(W)	3.600
LAMPS QUANTITY	1	η down(%)	48.3	Power Factor(PF)	0.515
TEST VOLTAGE(V)	217.2	Effective Flux(lm)	328.3	EEI	0.112

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月10日

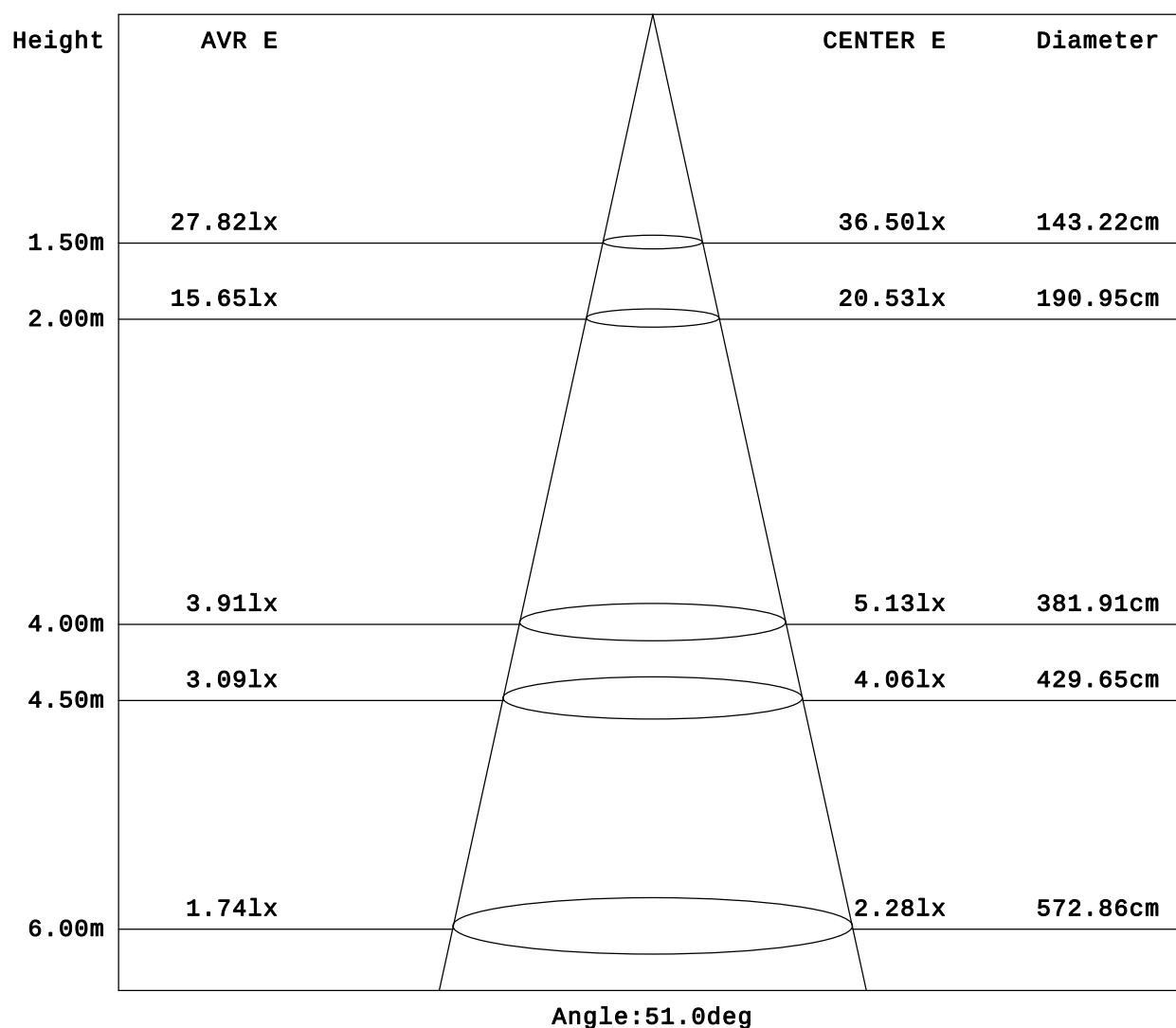
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:16.020 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number :

MANUFACTURER:	Address:	
NAME: LBD3450-4	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number :

MANUFACTURER :	Address :	
NAME : LBD3450-4	TYPE :	WEIGHT :
SPECIFICATION :	DIMENSION :	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total
5.0	82.50	82.23	81.99	81.72	81.61	81.63	81.73	82.13	0- 5	1.958	1.958
10.0	83.15	82.59	81.86	81.04	77.24	80.86	81.35	82.40	5- 10	5.846	7.805
15.0	85.46	83.16	79.94	72.53	60.05	73.64	79.81	83.34	10- 15	9.362	17.16
20.0	85.46	82.81	78.01	60.43	42.60	60.54	78.27	83.15	15- 20	12.20	29.37
25.0	67.11	81.62	73.78	43.15	25.40	44.90	76.86	82.06	20- 25	13.94	43.32
30.0	48.76	68.46	69.54	32.43	22.58	35.13	75.45	72.00	25- 30	14.48	57.81
35.0	31.82	51.05	50.94	23.96	20.78	24.80	71.34	58.45	30- 35	14.10	71.91
40.0	29.77	35.54	32.33	22.71	19.24	23.30	67.23	42.94	35- 40	12.91	84.82
45.0	27.97	26.06	25.02	20.31	18.86	21.11	43.62	29.20	40- 45	11.56	96.39
50.0	23.86	23.50	17.70	18.00	18.73	18.91	20.01	27.08	45- 50	9.970	106.3
55.0	21.42	20.75	16.42	17.38	18.09	17.58	17.83	23.27	50- 55	8.749	115.1
60.0	19.24	18.32	15.14	16.87	17.70	16.85	15.65	20.11	55- 60	8.453	123.5
65.0	17.96	16.63	14.50	16.43	17.06	16.26	14.88	18.09	60- 65	8.258	131.8
70.0	16.68	15.48	13.85	15.88	16.16	15.68	14.11	16.47	65- 70	8.113	139.9
75.0	15.78	14.47	13.34	15.21	15.39	15.07	13.60	15.13	70- 75	7.924	147.8
80.0	15.14	13.59	12.83	14.36	14.62	14.26	13.08	14.25	75- 80	7.692	155.5
85.0	14.11	13.08	12.70	13.40	13.60	13.48	12.83	13.48	80- 85	7.420	162.9
90.0	13.08	13.08	12.57	12.57	12.83	12.57	12.57	12.83	85- 90	7.144	170.1
95.0	14.62	13.63	12.83	13.11	13.21	13.11	12.70	13.19	90- 95	7.125	177.2
100.0	15.39	14.36	13.08	13.75	13.85	13.75	12.83	13.65	95-100	7.343	184.5
105.0	16.42	15.26	13.60	14.44	14.50	14.42	13.21	14.33	100-105	7.557	192.1
110.0	17.45	16.44	14.11	15.12	15.39	14.92	13.60	15.30	105-110	7.739	199.8
115.0	18.73	17.99	14.62	15.74	16.04	15.32	14.11	16.27	110-115	7.884	207.7
120.0	20.53	19.82	15.14	16.34	16.68	15.85	14.62	17.60	115-120	7.992	215.7
125.0	22.58	22.24	17.06	16.78	16.93	16.39	15.52	20.18	120-125	8.142	223.9
130.0	31.31	25.14	18.99	17.18	17.19	17.22	16.42	23.24	125-130	8.425	232.3
135.0	32.46	35.48	29.38	18.42	17.45	18.57	35.03	25.33	130-135	9.524	241.8
140.0	32.84	52.39	39.77	20.83	17.45	20.52	53.63	35.25	135-140	10.94	252.7
145.0	39.39	64.32	53.76	21.93	18.86	21.57	58.00	47.32	140-145	12.13	264.9
150.0	58.51	74.84	67.75	23.00	20.53	25.91	62.36	60.69	145-150	13.08	278.0
155.0	72.50	76.86	70.44	30.37	22.07	35.49	64.03	68.94	150-155	12.98	291.0
160.0	81.35	77.13	73.14	40.51	33.87	49.28	65.69	69.92	155-160	12.03	303.0
165.0	79.94	77.14	75.06	57.19	44.01	54.55	67.23	69.81	160-165	10.36	313.4
170.0	79.04	77.64	76.99	67.03	53.63	67.55	68.77	69.48	165-170	8.027	321.4
175.0	78.78	78.13	77.76	77.24	68.65	68.73	69.16	69.51	170-175	5.143	326.5
180.0	78.53	78.53	78.53	78.53	69.54	69.54	69.54	69.54	175-180	1.761	328.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月10日

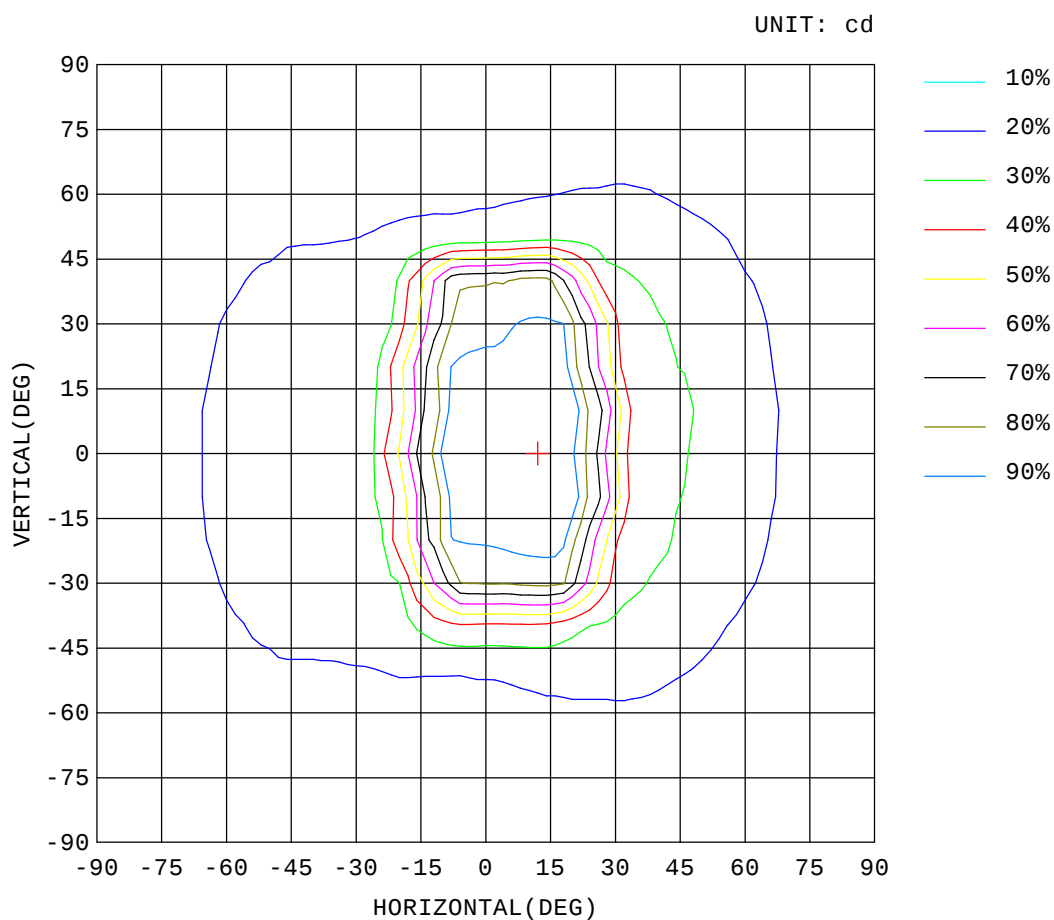
Test Set: 5.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:16.020 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number :

MANUFACTURER :	Address :	
NAME : LBD3450-4	TYPE :	WEIGHT :
SPECIFICATION :	DIMENSION :	SERIAL No. :



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

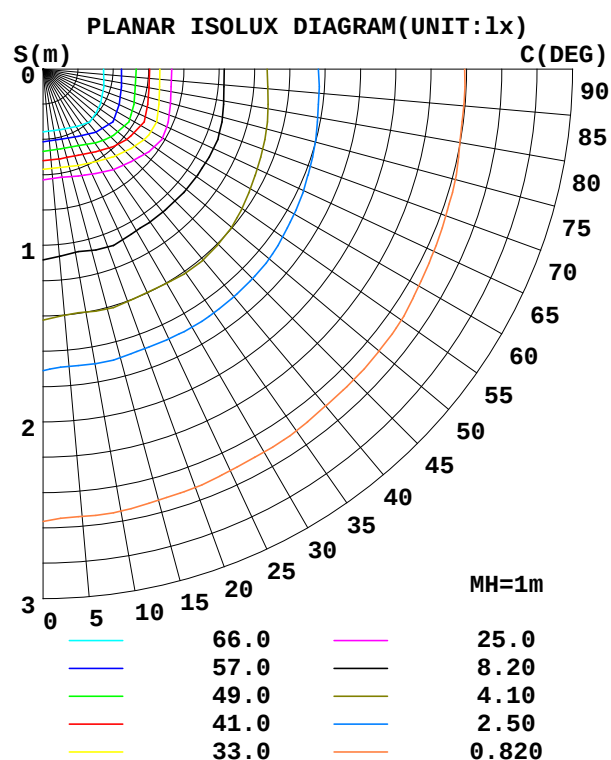
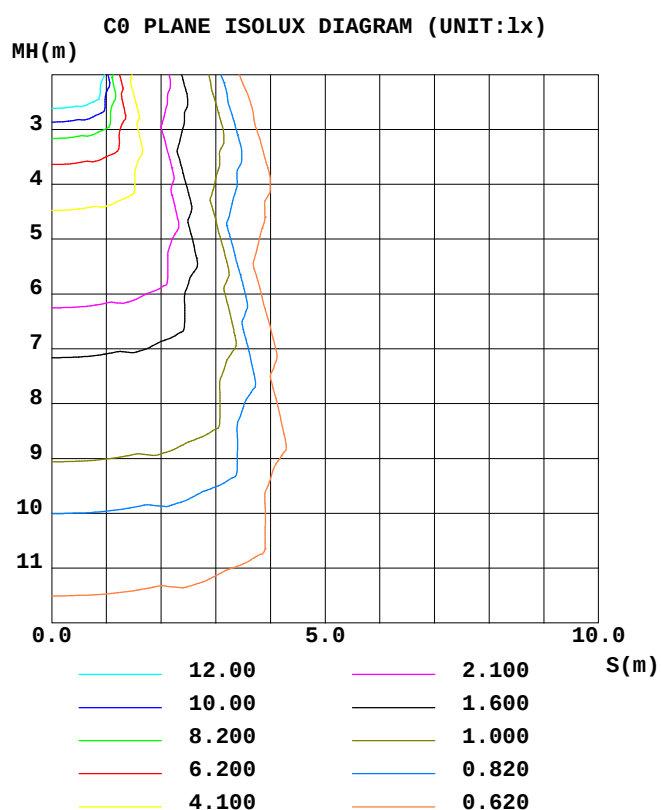
Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number :

MANUFACTURER :	Address :	
NAME : LBD3450-4	TYPE :	WEIGHT :
SPECIFICATION :	DIMENSION :	SERIAL No. :



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER :	Address :		
NAME : LBD3450-4	TYPE :	WEIGHT :	
SPECIFICATION :	DIMENSION :	SERIAL No. :	

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
5.0	82.5	82.4	82.4	82.4	82.4	82.3	82.3	82.3	82.2	82.2	82.1	82.1	82.0	82.0	82.0
10.0	83.1	83.1	83.1	83.0	83.0	82.9	82.8	82.7	82.6	82.5	82.4	82.3	82.2	82.1	82.0
15.0	85.4	85.2	85.1	85.0	84.8	84.6	84.4	84.1	83.7	83.1	82.6	82.2	81.8	81.4	81.0
20.0	85.4	84.9	84.4	84.0	83.8	83.8	83.6	83.4	83.1	82.8	82.3	81.8	81.2	80.7	80.2
25.0	67.1	66.1	65.6	65.8	66.2	66.6	70.3	77.6	80.3	81.6	81.4	80.1	79.1	77.7	76.7
30.0	48.7	48.1	47.7	47.4	47.5	52.0	55.6	62.8	64.1	68.4	73.2	75.0	74.2	73.4	72.0
35.0	31.8	31.2	30.7	30.6	31.4	35.1	40.5	44.0	45.5	51.0	56.6	61.0	64.8	61.5	58.0
40.0	29.7	29.0	28.5	28.5	29.0	29.6	29.3	29.6	31.3	35.5	38.0	42.2	43.1	42.5	39.2
45.0	27.9	26.8	25.8	26.2	27.1	26.4	26.1	26.2	26.1	26.0	27.7	27.3	27.4	28.0	28.0
50.0	23.8	23.1	22.8	23.2	23.4	23.4	23.5	23.4	23.6	23.5	23.0	22.5	22.3	22.0	21.3
55.0	21.4	20.6	20.5	20.8	20.6	20.3	20.6	20.9	21.0	20.7	20.3	19.5	18.9	18.5	17.9
60.0	19.2	18.6	18.8	18.7	18.5	18.5	18.6	18.5	18.3	18.3	18.1	17.7	17.3	16.9	16.4
65.0	17.9	17.3	17.7	17.2	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.2	15.8	15.6	15.2
70.0	16.6	16.3	16.3	16.1	15.9	15.6	15.7	15.6	15.3	15.4	15.3	15.1	14.8	14.6	14.4
75.0	15.7	15.6	15.2	15.0	15.0	14.8	14.6	14.6	14.4	14.4	14.2	14.1	14.0	13.9	13.7
80.0	15.1	14.4	14.2	14.0	14.0	13.9	13.8	13.8	13.6	13.5	13.5	13.5	13.5	13.2	13.1
85.0	14.1	13.6	13.3	13.2	13.1	13.1	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.0	12.9
90.0	13.0	13.3	13.3	13.3	13.3	13.3	13.0	13.0	13.0	13.0	13.0	12.8	12.8	12.8	12.8
95.0	14.6	14.3	14.1	14.0	14.0	13.9	13.8	13.7	13.6	13.6	13.5	13.4	13.2	13.2	13.1
100.0	15.3	15.2	15.0	14.9	14.9	14.7	14.5	14.5	14.4	14.3	14.2	14.1	13.8	13.7	13.4
105.0	16.4	16.1	16.0	15.7	15.7	15.6	15.5	15.2	15.2	15.2	15.0	14.8	14.6	14.4	14.0
110.0	17.4	17.0	17.0	16.9	16.8	16.7	16.6	16.4	16.5	16.4	16.2	15.9	15.4	15.1	14.6
115.0	18.7	18.0	18.3	18.0	18.0	18.3	18.0	18.0	18.0	17.9	17.6	17.0	16.5	16.1	15.6
120.0	20.5	19.7	19.7	19.8	19.8	19.8	20.1	20.3	20.2	19.8	19.5	18.9	18.4	17.8	17.1
125.0	22.5	21.8	21.8	22.3	22.2	22.4	24.4	22.7	22.5	22.2	21.8	21.5	20.8	20.3	19.6
130.0	31.3	27.5	24.6	25.0	25.4	28.9	25.2	25.1	24.9	25.1	27.8	28.9	28.5	27.3	24.9
135.0	32.4	28.9	26.6	27.0	27.6	27.7	27.4	27.5	32.5	35.4	38.3	38.3	39.4	37.9	35.6
140.0	32.8	30.8	29.1	28.8	29.4	32.1	38.1	42.6	45.6	52.3	52.3	56.4	53.7	50.5	47.2
145.0	39.3	39.6	42.0	44.3	44.6	47.5	51.9	58.7	59.4	64.3	71.0	70.8	67.8	64.4	61.1
150.0	58.5	58.0	58.3	59.6	61.8	62.2	64.5	72.7	74.9	74.8	74.2	73.7	72.9	71.9	71.1
155.0	72.5	72.6	74.1	77.1	77.9	78.1	78.0	77.5	77.2	76.8	76.2	75.3	74.5	73.5	72.6
160.0	81.3	80.9	80.4	80.1	79.7	79.3	78.9	78.5	77.8	77.1	76.5	75.9	75.2	74.7	74.2
165.0	79.9	79.7	79.4	79.1	78.8	78.5	78.2	77.8	77.4	77.1	76.8	76.5	76.2	75.8	75.6
170.0	79.0	78.8	78.7	78.5	78.4	78.2	78.1	78.0	77.8	77.6	77.4	77.3	77.2	77.1	77.1
175.0	78.7	78.7	78.6	78.5	78.4	78.4	78.3	78.2	78.2	78.1	78.0	78.0	77.9	77.9	77.9
180.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER :	Address :		
NAME : LBD3450-4	TYPE :	WEIGHT :	
SPECIFICATION :	DIMENSION :	SERIAL No. :	

UNIT: cd

C(DEG) γ (DEG)	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
5.0	82.0	81.9	81.9	81.9	81.9	81.8	81.7	81.6	81.5	81.6	81.6	81.6	81.7	81.7	81.7
10.0	81.9	81.8	81.8	81.8	81.8	81.8	81.7	81.6	81.6	81.5	81.3	81.2	81.0	80.8	80.4
15.0	80.5	80.2	80.0	79.9	79.9	79.9	79.8	79.8	79.7	79.6	78.2	76.0	72.5	67.2	63.2
20.0	79.5	78.7	78.2	78.0	78.0	77.9	77.7	77.4	75.5	68.3	63.3	60.5	60.4	56.5	53.9
25.0	75.7	74.2	73.8	73.7	73.8	73.3	73.6	71.2	61.4	58.0	56.8	46.2	43.1	41.4	39.8
30.0	71.2	69.7	69.2	69.5	69.3	69.1	68.5	58.3	55.4	48.7	41.2	37.9	32.4	25.4	25.1
35.0	55.0	52.6	50.9	50.9	51.2	52.4	50.7	46.8	42.4	37.8	31.4	25.8	23.9	23.3	23.1
40.0	36.2	33.9	32.4	32.3	33.2	34.1	33.5	32.3	29.9	26.7	23.3	22.4	22.7	22.2	21.4
45.0	26.9	25.9	25.1	25.0	25.4	25.3	25.1	23.8	21.9	20.7	20.2	20.2	20.3	19.8	19.5
50.0	20.1	19.0	18.0	17.7	17.8	18.0	18.6	18.9	18.6	18.6	18.5	18.4	18.0	18.2	18.2
55.0	17.6	17.0	16.7	16.4	16.4	16.5	16.6	16.8	17.0	17.0	17.0	17.2	17.3	17.5	17.7
60.0	16.0	15.5	15.4	15.1	15.1	15.4	15.5	15.9	16.1	16.3	16.4	16.7	16.8	17.0	17.3
65.0	15.1	14.7	14.6	14.5	14.5	14.8	14.9	15.2	15.3	15.7	15.8	16.2	16.4	16.6	16.8
70.0	14.2	13.9	13.8	13.8	13.9	14.1	14.4	14.7	14.9	15.1	15.3	15.6	15.8	15.8	16.1
75.0	13.6	13.4	13.4	13.3	13.5	13.7	13.9	14.1	14.4	14.5	14.6	14.8	15.2	15.1	15.3
80.0	13.1	13.1	12.9	12.8	13.0	13.3	13.3	13.6	13.7	13.7	14.0	14.2	14.3	14.3	14.3
85.0	12.9	12.9	12.7	12.7	12.8	12.9	12.9	13.1	13.1	13.1	13.3	13.4	13.4	13.5	13.4
90.0	12.8	12.8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.7
95.0	13.0	12.9	12.8	12.8	12.8	12.9	12.9	13.1	13.1	13.1	13.2	13.2	13.1	13.1	13.0
100.0	13.3	13.1	13.0	13.0	13.2	13.3	13.3	13.6	13.7	13.7	13.8	13.9	13.7	13.8	13.6
105.0	13.9	13.6	13.6	13.6	13.6	13.7	13.9	14.0	14.2	14.3	14.4	14.5	14.4	14.5	14.4
110.0	14.4	14.1	14.1	14.1	14.1	14.1	14.4	14.4	14.7	14.8	14.9	15.0	15.1	15.1	15.2
115.0	15.3	14.9	14.7	14.6	14.6	14.6	14.9	15.0	15.1	15.2	15.4	15.5	15.7	15.8	15.8
120.0	16.4	15.8	15.4	15.1	15.1	15.2	15.4	15.6	15.7	15.7	16.7	16.1	16.3	16.3	16.4
125.0	18.7	18.0	17.3	17.0	16.8	16.7	16.6	16.7	16.5	16.5	16.5	16.7	16.7	16.9	17.0
130.0	22.5	20.8	19.4	18.9	18.6	18.8	18.7	18.1	17.8	17.6	17.4	17.5	17.1	17.3	17.5
135.0	33.1	31.0	29.8	29.3	27.7	26.4	24.0	20.5	19.7	19.1	18.9	18.7	18.4	17.9	17.9
140.0	44.2	41.6	40.3	39.7	37.3	34.4	31.1	27.9	23.0	21.3	21.1	20.8	20.8	20.0	19.1
145.0	58.2	55.9	54.8	53.7	53.0	46.1	43.5	37.1	33.6	25.4	23.1	22.6	21.9	21.3	21.2
150.0	70.0	69.4	68.9	67.7	68.2	61.1	53.8	49.5	39.0	36.1	29.4	24.0	23.0	22.4	22.3
155.0	71.8	71.6	71.1	70.4	70.5	68.5	58.6	54.2	50.9	41.2	38.3	37.4	30.3	26.7	24.6
160.0	73.8	73.6	73.3	73.1	72.7	72.2	67.5	61.1	56.0	55.5	49.8	45.3	40.5	40.1	39.3
165.0	75.4	75.4	75.2	75.0	74.8	74.6	74.4	71.5	67.9	61.8	58.5	58.1	57.1	56.3	54.0
170.0	77.2	77.2	77.1	76.9	76.8	76.7	76.7	76.6	76.2	75.2	74.2	71.2	67.0	63.1	60.7
175.0	77.8	77.8	77.7	77.7	77.6	77.6	77.5	77.4	77.4	77.3	77.3	77.2	77.2	77.2	77.1
180.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER :	Address :		
NAME : LBD3450-4	TYPE :	WEIGHT :	
SPECIFICATION :	DIMENSION :	SERIAL No. :	

UNIT: cd

C(DEG) γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
5.0	81.7	81.6	81.6	81.6	81.6	81.6	81.6	81.5	81.5	81.6	81.6	81.6	81.6	81.7	81.6
10.0	79.5	78.8	78.2	77.7	77.4	77.2	77.2	77.3	77.6	77.9	78.4	78.9	79.6	80.3	80.6
15.0	62.7	62.3	61.8	61.0	60.4	60.1	60.0	60.2	60.6	61.1	61.8	62.4	62.9	63.6	67.8
20.0	49.4	44.3	43.8	43.4	43.0	42.7	42.6	42.8	43.1	43.6	44.2	44.9	50.5	55.9	58.3
25.0	34.9	32.4	29.8	26.8	26.2	25.7	25.4	25.7	26.0	26.5	30.3	34.5	37.3	40.9	42.0
30.0	24.7	24.6	24.4	24.3	23.7	23.1	22.5	22.9	23.4	24.0	24.5	24.8	25.0	25.1	27.6
35.0	22.3	22.5	22.6	22.8	22.1	21.4	20.7	21.0	21.4	21.9	22.3	22.5	22.7	23.5	23.9
40.0	21.4	20.8	20.6	20.6	20.3	19.7	19.2	19.5	19.9	20.2	20.4	20.9	21.2	21.7	22.5
45.0	19.1	19.1	19.1	19.5	19.9	19.3	18.8	19.0	19.2	19.1	19.0	18.9	19.1	19.7	20.3
50.0	18.4	18.8	18.7	18.7	18.9	18.9	18.7	18.9	18.9	18.7	18.6	18.9	18.6	18.3	18.5
55.0	18.1	18.5	18.2	18.1	18.4	18.4	18.0	18.3	18.3	18.2	18.2	18.3	18.1	18.0	17.7
60.0	17.4	17.7	17.9	17.8	17.8	18.0	17.7	17.9	17.8	17.8	17.9	17.7	17.3	17.3	17.1
65.0	16.9	16.9	17.1	17.3	17.1	17.3	17.0	17.3	17.0	17.3	17.0	16.8	16.9	16.8	16.5
70.0	16.2	16.2	16.2	16.4	16.4	16.5	16.1	16.4	16.4	16.3	16.2	16.2	16.0	16.0	15.8
75.0	15.3	15.4	15.4	15.4	15.6	15.4	15.3	15.4	15.4	15.3	15.3	15.2	15.2	15.1	15.1
80.0	14.5	14.5	14.5	14.5	14.5	14.6	14.6	14.5	14.4	14.4	14.2	14.3	14.3	14.3	14.2
85.0	13.5	13.7	13.6	13.7	13.6	13.6	13.6	13.5	13.4	13.5	13.3	13.4	13.5	13.4	13.4
90.0	12.5	12.8	12.8	12.8	12.8	12.5	12.8	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
95.0	13.0	12.9	12.9	12.9	12.7	12.9	13.2	13.1	13.1	13.2	13.1	13.1	13.0	13.0	13.1
100.0	13.8	13.7	13.5	13.7	13.6	13.8	13.8	13.9	13.8	13.8	13.8	13.8	13.8	13.8	13.7
105.0	14.4	14.4	14.3	14.4	14.4	14.6	14.5	14.6	14.7	14.6	14.6	14.5	14.6	14.5	14.3
110.0	15.2	15.3	15.2	15.4	15.3	15.4	15.3	15.4	15.4	15.4	15.2	15.1	15.1	15.2	15.0
115.0	15.9	16.0	16.0	16.2	16.0	16.3	16.0	16.1	16.0	16.0	15.8	15.8	15.6	15.1	15.6
120.0	16.5	16.7	16.8	16.7	16.7	16.9	16.6	16.7	16.5	16.5	16.6	16.3	16.2	16.1	16.0
125.0	17.1	17.3	17.4	17.1	17.5	17.5	16.9	17.0	17.0	16.8	16.9	16.8	16.7	16.7	16.6
130.0	17.8	17.7	17.7	17.9	18.1	18.0	17.1	17.3	17.4	17.1	17.1	17.2	17.3	17.1	17.1
135.0	18.1	18.1	18.0	18.2	18.4	18.1	17.4	17.6	17.9	17.7	17.5	17.3	17.4	17.7	18.1
140.0	18.7	18.8	18.8	18.8	18.8	18.5	17.4	17.9	18.3	18.4	18.2	18.1	18.5	19.0	19.6
145.0	20.9	20.5	20.3	20.3	19.8	19.4	18.8	19.2	19.8	20.3	20.2	19.9	20.0	20.3	20.9
150.0	22.2	22.2	22.2	22.1	21.8	21.5	20.5	20.5	20.8	21.3	21.8	21.6	21.6	21.8	22.1
155.0	24.3	24.2	24.0	23.5	23.3	23.1	22.0	22.2	22.5	22.9	23.6	24.0	26.4	31.1	33.5
160.0	37.7	36.1	32.6	29.7	27.5	26.0	33.8	34.2	34.7	35.3	36.1	37.0	38.1	38.7	43.0
165.0	49.3	45.3	42.3	42.0	41.8	41.6	44.0	44.5	45.8	47.7	50.2	51.2	51.8	52.4	53.4
170.0	60.2	59.8	59.5	59.1	58.9	58.8	53.6	54.0	54.9	56.3	58.1	60.3	62.9	65.8	67.1
175.0	76.9	76.7	76.7	76.6	76.6	76.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
180.0	78.5	78.5	78.5	78.5	78.5	78.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER :	Address :		
NAME : LBD3450-4	TYPE :	WEIGHT :	
SPECIFICATION :	DIMENSION :	SERIAL No. :	

UNIT: cd

C(DEG) γ (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
5.0	81.6	81.5	81.5	81.5	81.4	81.5	81.5	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.9
10.0	80.8	81.0	81.1	81.2	81.3	81.4	81.5	81.5	81.4	81.3	81.4	81.5	81.7	81.8	81.9
15.0	73.6	77.3	78.7	79.5	79.7	79.7	79.8	79.8	79.8	79.8	79.9	80.2	80.5	80.9	81.3
20.0	60.5	60.9	64.9	72.3	76.4	77.6	77.9	78.1	78.0	78.2	78.5	78.9	79.6	80.2	80.8
25.0	44.9	51.1	57.9	59.0	66.5	74.3	76.2	76.6	76.7	76.8	76.6	77.8	78.7	79.4	80.2
30.0	35.1	39.9	44.3	54.0	58.2	64.7	74.4	75.1	75.4	75.4	75.0	76.7	77.7	78.4	78.9
35.0	24.8	27.9	36.9	41.0	51.8	56.7	66.5	71.1	71.3	71.3	71.7	72.5	74.8	75.7	76.2
40.0	23.3	23.7	25.3	31.8	39.0	48.2	55.3	66.1	67.2	67.2	68.2	68.2	71.6	72.5	72.9
45.0	21.1	21.6	22.0	22.7	29.1	32.1	38.4	44.0	43.9	43.6	45.0	47.2	51.5	55.9	55.9
50.0	18.9	19.4	19.6	19.8	20.7	21.9	22.1	21.2	20.2	20.0	21.2	23.5	27.2	31.3	33.2
55.0	17.5	17.5	17.3	17.5	17.6	17.5	17.6	17.4	17.6	17.8	18.4	19.1	20.2	20.8	21.3
60.0	16.8	16.6	16.5	16.4	16.2	16.0	15.9	15.6	15.4	15.6	16.0	16.4	17.2	17.9	18.6
65.0	16.2	16.0	15.8	15.7	15.4	15.2	15.1	14.9	14.7	14.8	15.0	15.4	15.8	16.3	16.7
70.0	15.6	15.5	15.3	15.1	14.8	14.7	14.4	14.4	14.1	14.1	14.2	14.6	14.8	15.1	15.5
75.0	15.0	15.0	14.8	14.5	14.2	14.2	13.9	13.8	13.6	13.6	13.6	13.9	14.1	14.3	14.6
80.0	14.2	14.1	14.1	14.0	13.7	13.6	13.3	13.3	13.0	13.0	13.0	13.3	13.3	13.6	13.8
85.0	13.4	13.4	13.3	13.4	13.2	13.1	13.0	12.9	12.8	12.8	12.8	13.0	13.0	13.2	13.3
90.0	12.5	12.5	12.5	12.8	12.7	12.5	12.7	12.5	12.5	12.5	12.5	12.8	12.8	12.8	12.8
95.0	13.1	13.0	13.0	13.1	13.0	12.9	12.8	12.8	12.7	12.7	12.7	12.9	12.9	13.0	13.1
100.0	13.7	13.6	13.5	13.4	13.4	13.3	13.1	13.0	12.8	12.8	12.8	13.0	13.1	13.3	13.4
105.0	14.4	14.2	14.1	13.9	13.8	13.7	13.5	13.3	13.2	13.2	13.2	13.3	13.5	13.7	13.8
110.0	14.9	14.7	14.6	14.4	14.2	14.0	13.9	13.6	13.6	13.6	13.6	13.7	13.9	14.2	14.4
115.0	15.3	15.2	15.1	14.8	14.6	14.3	14.2	14.1	14.1	14.1	14.2	14.4	14.7	15.0	15.4
120.0	15.8	15.6	15.5	15.2	15.0	14.9	14.7	14.6	14.6	14.6	14.9	15.2	15.6	15.9	16.5
125.0	16.3	15.6	16.0	16.0	15.7	15.8	15.5	15.6	15.6	15.5	15.9	16.4	16.9	17.2	17.8
130.0	17.2	17.5	17.6	17.1	17.4	18.6	18.4	17.7	17.0	16.4	17.3	19.0	21.6	24.6	26.4
135.0	18.5	19.2	19.6	19.9	21.8	25.4	30.6	34.2	35.3	35.0	36.0	38.2	41.0	43.7	42.9
140.0	20.5	20.8	21.1	24.2	31.2	36.7	43.0	51.7	53.4	53.6	54.4	55.9	57.2	57.8	57.3
145.0	21.5	22.4	27.3	33.2	37.8	44.8	51.8	57.5	57.9	58.0	58.4	59.7	61.1	61.9	62.3
150.0	25.9	31.4	34.6	40.7	47.3	49.8	60.6	61.9	62.3	62.3	62.5	63.3	64.4	65.1	65.5
155.0	35.4	37.1	45.9	48.5	50.2	60.3	63.3	63.8	64.0	64.0	64.2	64.8	65.6	66.4	67.0
160.0	49.2	50.0	51.2	53.3	62.3	64.8	65.3	65.5	65.7	65.6	65.9	66.3	66.8	67.4	67.8
165.0	54.5	57.4	63.2	66.4	66.7	66.9	67.0	67.0	67.1	67.2	67.7	67.9	67.7	68.1	68.4
170.0	67.5	67.9	68.1	68.2	68.2	68.3	68.4	68.5	68.6	68.7	69.3	69.8	69.6	69.1	68.9
175.0	68.7	68.8	68.8	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.3	69.4	69.5	69.7	69.7
180.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number :

MANUFACTURER :	Address :		
NAME : LBD3450-4	TYPE :	WEIGHT :	
SPECIFICATION :	DIMENSION :	SERIAL No. :	

UNIT: cd

C(DEG) γ (DEG)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
5.0	81.9	82.0	82.0	82.1	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4
10.0	82.0	82.1	82.2	82.4	82.5	82.6	82.8	82.9	83.0	83.0	83.1	83.1
15.0	81.6	82.0	82.6	83.3	84.0	84.5	84.6	84.7	84.8	84.9	85.1	85.2
20.0	81.5	82.4	82.9	83.1	83.2	83.3	83.7	84.1	84.0	84.1	84.4	84.9
25.0	81.0	81.4	81.9	82.0	81.5	79.1	71.1	67.3	66.7	66.2	66.1	66.5
30.0	79.1	79.3	77.3	72.0	65.0	63.7	59.2	54.1	47.9	47.8	47.9	48.2
35.0	76.1	69.0	62.4	58.4	50.7	46.7	45.7	37.5	32.9	31.4	31.1	31.4
40.0	65.0	57.2	49.9	42.9	35.4	31.3	30.4	30.2	29.5	29.2	29.3	29.5
45.0	52.3	43.9	36.5	29.2	28.4	28.1	27.8	27.5	27.0	29.3	34.5	30.0
50.0	33.3	31.5	26.8	27.0	26.2	25.7	25.3	24.8	24.8	24.2	23.5	23.4
55.0	21.5	21.9	22.8	23.2	23.6	23.4	22.3	21.4	21.3	21.3	21.1	21.2
60.0	19.0	19.6	20.0	20.1	20.1	20.0	20.1	19.6	19.2	19.2	19.1	18.9
65.0	17.0	17.6	17.9	18.0	17.9	17.8	18.0	18.1	17.9	17.7	18.1	17.7
70.0	15.7	16.1	16.4	16.4	16.3	16.5	16.6	16.4	16.7	16.8	16.7	16.6
75.0	14.7	14.8	15.2	15.1	15.2	15.5	15.4	15.5	15.6	15.7	15.8	15.8
80.0	14.0	14.1	14.2	14.2	14.4	14.5	14.5	14.6	14.7	14.7	14.9	14.8
85.0	13.4	13.4	13.5	13.4	13.6	13.7	13.5	13.7	13.8	13.7	13.8	14.1
90.0	12.8	12.8	12.8	12.8	12.8	12.8	13.0	13.0	13.0	13.0	13.0	13.3
95.0	13.1	13.1	13.1	13.1	13.2	13.2	13.3	13.4	13.4	13.5	13.5	13.8
100.0	13.5	13.5	13.6	13.6	13.7	13.8	13.8	14.0	14.2	14.2	14.4	14.6
105.0	14.0	14.1	14.2	14.3	14.3	14.6	14.6	14.7	14.8	15.0	15.0	15.3
110.0	14.8	14.9	15.1	15.3	15.3	15.4	15.4	15.4	15.6	15.9	16.0	16.1
115.0	15.6	15.8	16.2	16.2	16.3	16.3	16.6	16.7	16.8	16.8	17.2	17.1
120.0	16.8	17.2	17.7	17.6	17.8	17.9	18.2	18.0	17.7	18.0	18.1	18.1
125.0	18.2	18.8	19.7	20.1	20.4	20.3	19.9	19.4	19.7	19.6	19.6	19.8
130.0	25.8	22.6	22.9	23.2	22.7	24.2	23.8	22.3	22.3	22.1	21.8	22.4
135.0	41.0	35.9	28.0	25.3	24.8	24.8	24.8	26.5	24.4	24.1	23.9	27.7
140.0	51.9	45.6	39.5	35.2	30.3	27.5	27.0	27.0	26.5	26.1	26.4	28.0
145.0	62.1	56.7	52.5	47.3	43.7	40.0	39.6	34.1	31.6	29.1	28.3	28.8
150.0	65.8	65.9	64.4	60.6	55.6	54.6	51.5	48.0	43.5	43.6	43.6	43.4
155.0	67.7	68.3	68.8	68.9	68.6	67.2	63.0	60.7	58.8	57.3	57.6	58.0
160.0	68.4	68.9	69.4	69.9	70.0	70.2	70.5	70.7	70.7	70.8	71.0	71.2
165.0	68.6	69.0	69.4	69.8	70.1	70.3	70.5	70.7	70.9	71.1	71.3	71.5
170.0	69.1	69.3	69.4	69.4	69.5	69.6	69.7	69.8	69.9	69.9	70.0	70.0
175.0	69.6	69.5	69.5	69.5	69.4	69.5	69.5	69.6	69.6	69.7	69.7	69.7
180.0	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2019年08月10日

Test Set: 5.0deg/s B-Beta (TYPE B)
Humidity:65.0%
Test Distance:16.020 m
Remarks: