

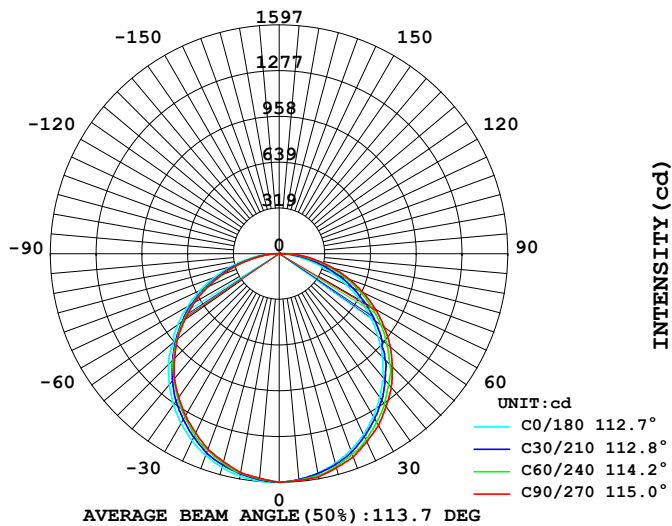
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

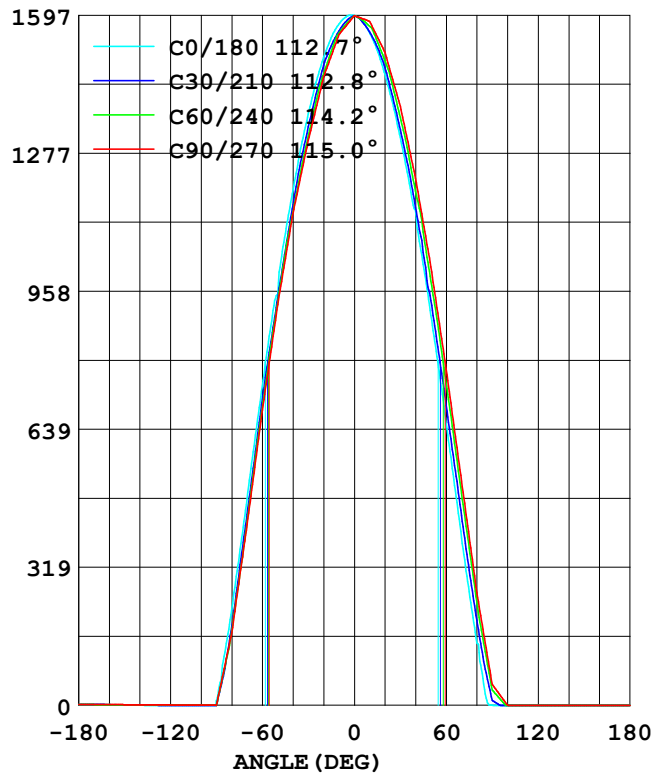
<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>	

DATA OF LAMP		Imax (cd)	1597	S/MH (C0/180)	1.27
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.23
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	4595.4	Voltage (V)	120.4
RATED VOLTAGE (V)	120	EFFICIENCY (lm/W)	116.4	Current (A)	0.191
NOMINAL FLUX (lm)	4595.4	$\eta$ up (%)	0.2	Power (W)	39.48
LAMPS QUANTITY	1	$\eta$ down (%)	99.8	Power Factor (PF)	0.947
TEST VOLTAGE (V)	120.4	Effective Flux (lm)	0.0	EET	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



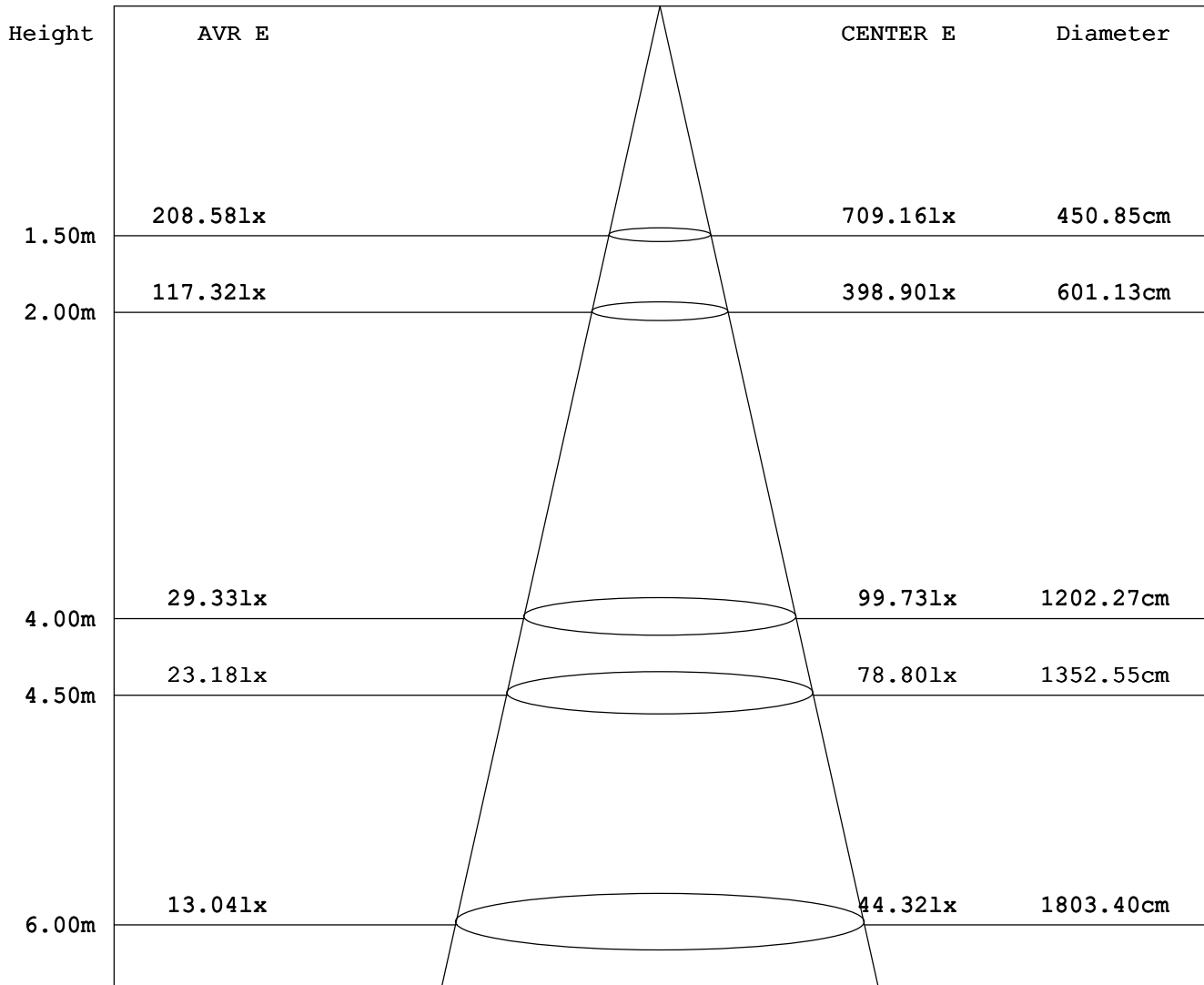
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Angle:112.7deg

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1594	1580	1574	1573	1583	1584	1589	1591	0- 5	37.97	37.97
10.0	1576	1557	1552	1543	1556	1564	1583	1579	5- 10	112.5	150.4
15.0	1545	1523	1503	1503	1515	1534	1547	1556	10- 15	183.2	333.7
20.0	1499	1467	1454	1443	1460	1481	1511	1510	15- 20	247.4	581.1
25.0	1441	1405	1381	1375	1393	1421	1449	1457	20- 25	303.2	884.4
30.0	1369	1329	1308	1296	1313	1348	1386	1388	25- 30	348.5	1233
35.0	1288	1241	1224	1206	1225	1263	1303	1308	30- 35	382.4	1615
40.0	1193	1148	1140	1111	1146	1172	1219	1222	35- 40	403.9	2019
45.0	1092	1047	1033	1011	1020	1067	1117	1118	40- 45	412.8	2432
50.0	951.3	945.9	927.0	910.3	902.3	962.2	1014	1015	45- 50	407.3	2840
55.0	865.7	822.5	805.0	790.8	781.5	843.3	895.8	893.0	50- 55	389.1	3229
60.0	738.9	698.4	682.9	670.6	651.5	723.4	777.2	773.8	55- 60	358.1	3587
65.0	612.3	566.3	550.5	543.1	521.9	593.6	648.1	642.3	60- 65	315.4	3902
70.0	477.6	433.7	418.0	416.8	387.2	466.1	519.0	510.3	65- 70	262.7	4165
75.0	347.6	298.4	292.7	292.0	262.2	341.7	389.7	375.0	70- 75	203.2	4368
80.0	221.6	178.9	167.4	177.7	144.2	221.9	260.4	249.8	75- 80	140.9	4509
85.0	113.1	78.51	83.71	79.66	36.45	115.3	154.4	136.0	80- 85	81.18	4590
90.0	11.05	0	0	0	0.182	23.87	48.48	34.38	85- 90	30.11	4621
95.0	0	0	0.122	0.138	0	7.351	24.39	10.30	90- 95	4.991	4626
100.0	0	0	0.243	0.329	0	0	0.304	0	95-100	1.156	4627
105.0	0	0	0.365	0.504	0	0	0	0	100-105	0.040	4627
110.0	0	0.165	0.486	0.662	0	0	0	0	105-110	0.057	4627
115.0	0	0.203	0.608	1.014	0	0	0	0	110-115	0.074	4627
120.0	0	0.238	0.729	0.953	0	0	0	0	115-120	0.095	4627
125.0	0	0.272	0.851	1.086	0	0	0	0	120-125	0.124	4627
130.0	0	0.606	0.972	1.212	0	0	0	0	125-130	0.146	4627
135.0	0	0.665	1.093	0.998	0	0	0	0	130-135	0.165	4627
140.0	0.547	0.721	1.215	1.081	0	0	0	0	135-140	0.184	4628
145.0	0.547	1.132	1.336	1.160	0	0	0	0	140-145	0.182	4628
150.0	1.093	1.235	1.458	1.235	0	0	0	0	145-150	0.174	4628
155.0	1.093	1.307	1.579	1.307	0	0	0	0	150-155	0.161	4628
160.0	1.640	1.377	1.701	1.377	0	0	0	0	155-160	0.148	4628
165.0	1.640	1.444	1.822	1.444	0	0	0	0	160-165	0.127	4628
170.0	1.640	1.510	1.944	2.014	0	0	0	0	165-170	0.098	4629
175.0	1.640	1.575	2.065	2.101	0	0	0	0	170-175	0.066	4629
180.0	2.187	2.187	2.187	2.187	0	0	0	0	175-180	0.024	4629
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

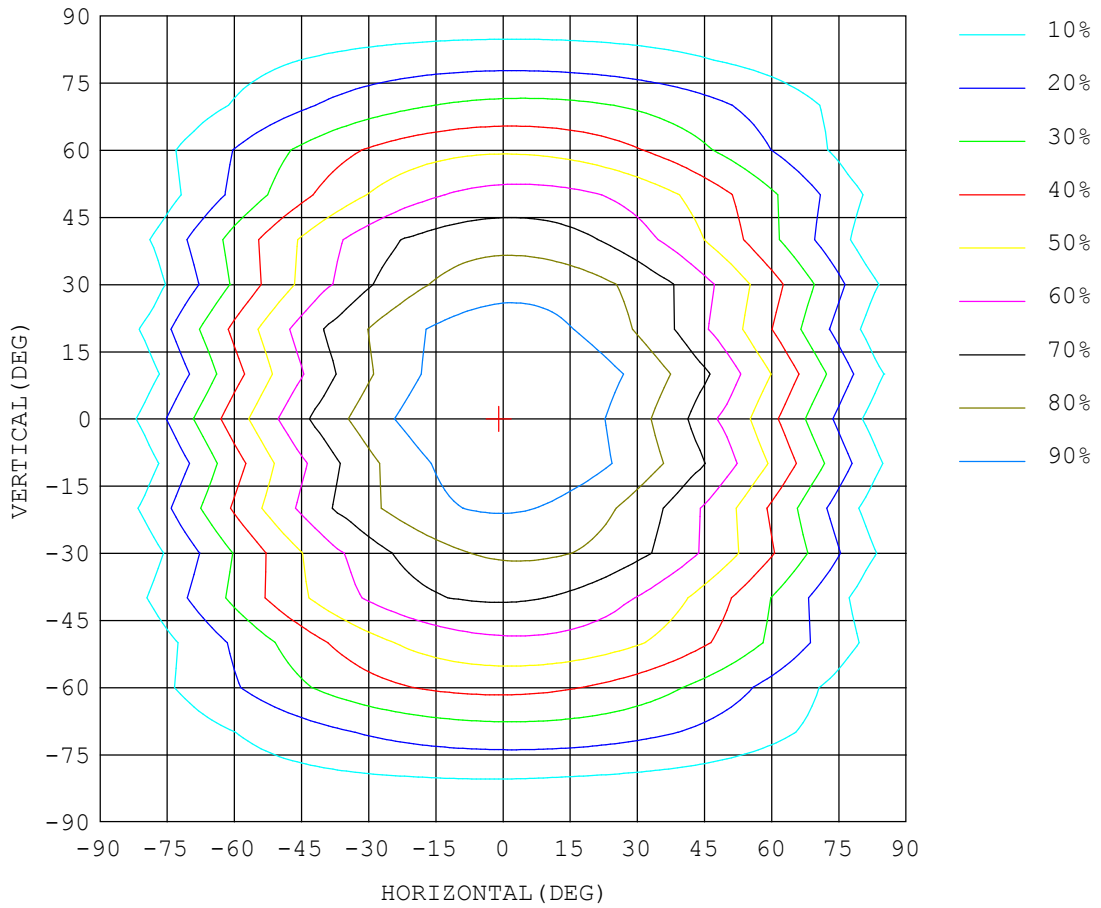
Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd



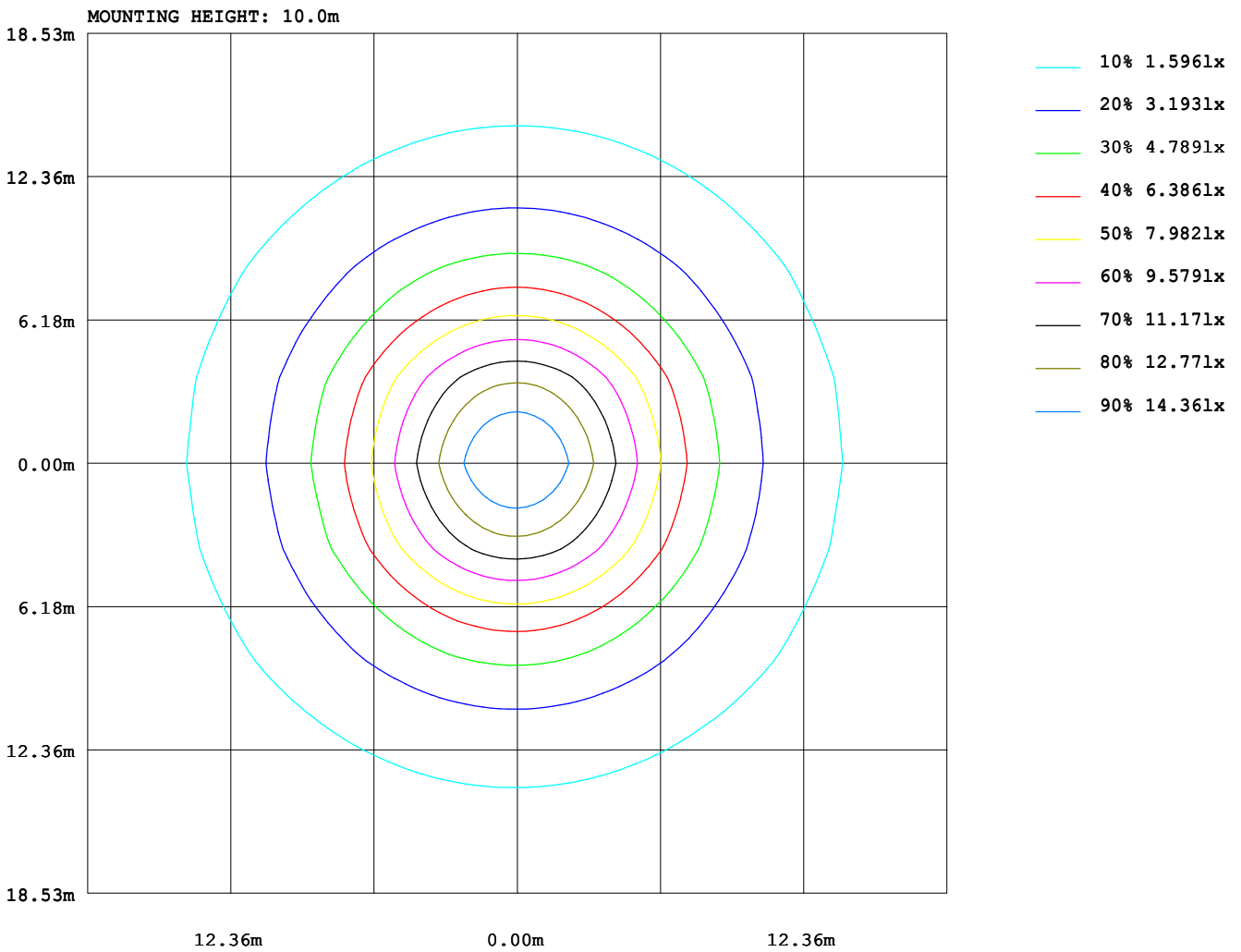
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

		AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a	
VERTICAL (DEG)	90	0.00	0.00	0.10	0.36	0.70	1.11	1.53	1.88	2.11	2.20	2.11	1.88	1.55	1.16	0.76	0.41	0.14	0.02	18.0	0.00		
	80	0.03	0.45	1.54	3.12	5.01	7.02	8.87	10.2	11.0	11.0	10.3	8.91	7.07	5.06	3.15	1.58	0.47	0.04	95.1	89.7		
	70	0.01	0.43	2.00	4.50	7.76	11.3	14.7	17.5	19.2	19.6	18.7	16.5	13.5	9.98	6.46	3.46	1.35	0.19	167	166		
	60	0.14	1.49	4.23	8.31	13.1	18.1	22.5	25.7	27.4	27.2	25.3	21.7	17.2	12.2	7.50	3.64	1.04	0.07	237	236		
	50	0.01	0.81	3.63	8.15	13.9	20.1	25.9	30.6	33.6	34.3	32.8	29.2	24.1	18.0	11.9	6.48	2.53	0.39	297	296		
	40	0.28	2.40	6.66	12.7	19.8	26.9	33.3	37.7	40.0	39.7	36.7	31.6	25.0	17.9	11.0	5.36	1.61	0.07	349	349		
	30	0.01	1.12	4.77	10.6	18.1	25.9	33.5	39.6	43.5	44.6	42.7	38.0	31.4	23.6	15.7	8.68	3.43	0.61	387	386		
		0.42	3.01	8.19	15.4	23.8	32.2	39.6	45.0	47.7	47.2	43.6	37.4	29.5	21.0	13.0	6.31	1.90	0.11	416	416		
		0.02	1.29	5.25	11.7	19.7	28.5	36.8	43.6	47.9	49.1	47.0	41.9	34.5	26.1	17.3	9.64	3.84	0.69	425	425		
		0.48	3.16	8.53	15.9	24.5	32.9	40.5	46.0	48.6	48.0	44.3	38.0	29.9	21.1	13.1	6.34	1.88	0.13	424	424		
		0.02	1.21	4.95	11.0	18.6	27.0	34.8	41.2	45.3	46.4	44.5	39.7	32.8	24.8	16.5	9.16	3.65	0.65	403	402		
	-30	0.45	2.85	7.61	14.1	21.7	29.2	35.7	40.4	42.7	42.1	38.8	33.2	26.2	18.5	11.3	5.43	1.58	0.10	372	372		
	-40	0.02	0.97	3.93	8.87	15.1	21.7	28.1	33.2	36.5	37.4	35.9	32.1	26.7	20.1	13.3	7.41	2.95	0.53	325	325		
	-50	0.36	2.18	5.76	10.7	16.4	22.1	27.0	30.5	32.1	31.6	29.1	24.9	19.6	13.8	8.34	3.92	1.12	0.05	280	279		
	-60	0.01	0.62	2.50	5.69	9.82	14.3	18.5	22.0	24.2	24.9	23.9	21.3	17.6	13.2	8.77	4.82	1.92	0.35	215	214		
	-70	0.19	1.23	3.11	5.74	8.76	11.8	14.4	16.2	17.1	16.7	15.3	12.9	10.0	6.90	4.06	1.86	0.50	0.02	147	145		
	-80	0.00	0.16	0.85	1.87	3.23	4.77	6.29	7.57	8.41	8.70	8.36	7.46	6.16	4.62	3.08	1.73	0.72	0.11	74.1	64.3		
	-90	0.02	0.22	0.53	0.82	1.10	1.36	1.56	1.70	1.72	1.63	1.46	1.22	0.94	0.65	0.39	0.18	0.04	0.00	15.5	0.00		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	2.48	23.6	74.2	150	242	337	424	492	530	533	501	439	354	259	166	86.5	30.7	4.12	4629				
Φ a	1.35	18.7	70.0	147	238	333	420	487	526	529	498	436	352	257	163	82.3	26.5	2.67			4550		

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

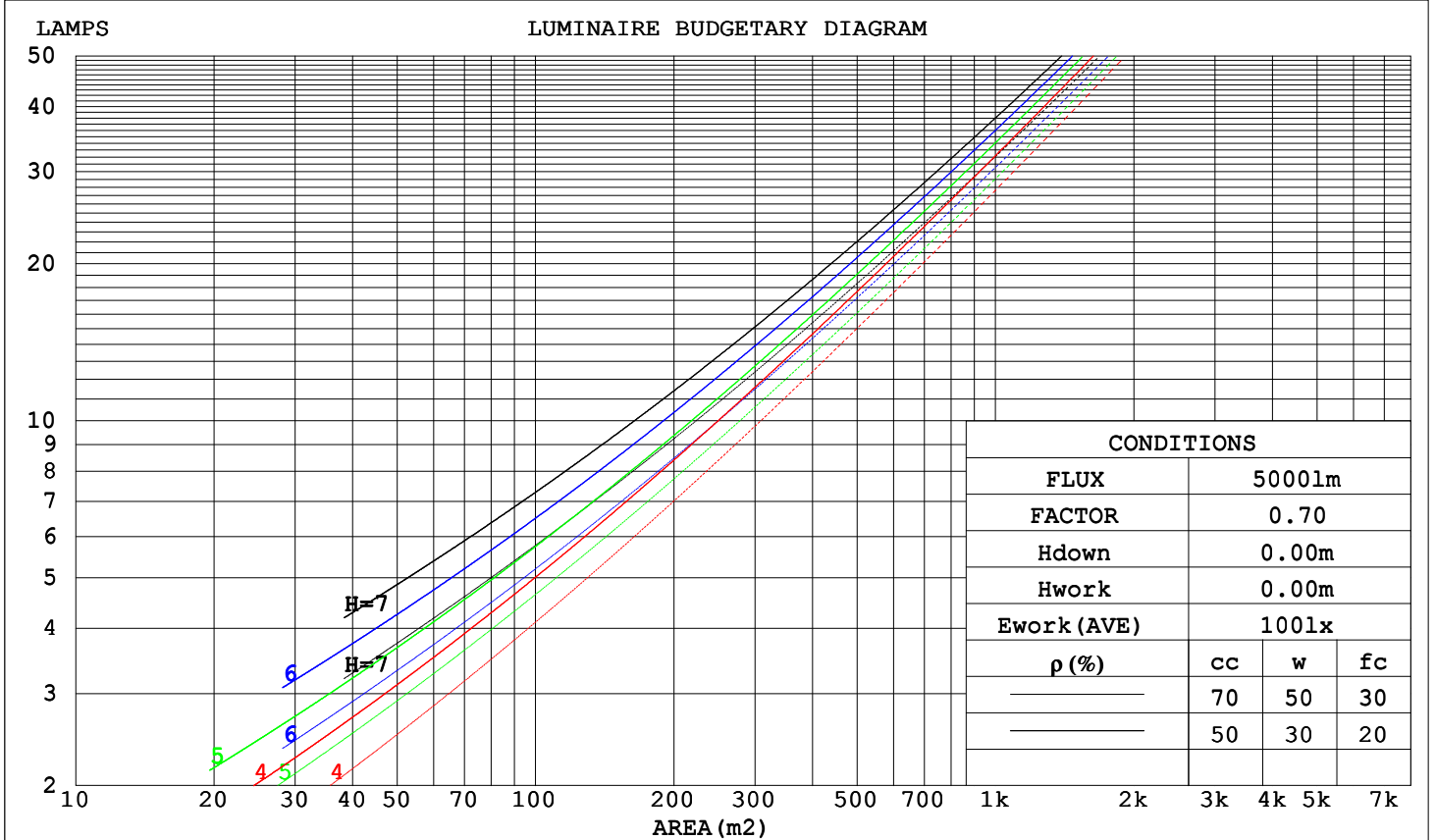
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME:				TYPE:				WEIGHT:			
SPECIFICATION:				DIMENSION:				SERIAL No.:			

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.20	1.20	1.20	1.17	1.17	1.17	1.12	1.12	1.12	1.07	1.07	1.07	1.03	1.03	1.03	1.01
1.0	1.04	.90	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.88	.90	.88	.86	.83
2.0	.91	.83	.78	.89	.82	.77	.85	.79	.75	.82	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:				Address:											
NAME:				TYPE:						WEIGHT:					
SPECIFICATION:				DIMENSION:						SERIAL No.:					

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf <sub>c</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.320	.182	.058	.313	.179	.057	.300	.172	.055	.287	.166	.053	.276	.160	.052	
2.0	.299	.164	.050	.293	.161	.050	.281	.156	.048	.270	.151	.047	.260	.147	.046	
3.0	.276	.147	.044	.270	.145	.044	.259	.141	.043	.250	.137	.042	.241	.133	.041	
4.0	.254	.132	.039	.249	.130	.038	.239	.127	.038	.231	.124	.037	.223	.121	.037	
5.0	.234	.119	.035	.230	.118	.034	.221	.115	.034	.214	.113	.034	.206	.110	.033	
6.0	.217	.109	.031	.213	.108	.031	.206	.105	.031	.199	.103	.030	.192	.101	.030	
7.0	.202	.100	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.174	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.085	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.166	.079	.022	.163	.079	.022	.158	.078	.022	.154	.076	.022	.149	.075	.022	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf <sub>c</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.184	.159	.136	.157	.136	.117	.107	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.176	.134	.099	.150	.116	.086	.103	.080	.060	.059	.046	.035	.019	.015	.011	
3.0	.168	.117	.076	.144	.101	.066	.099	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.103	.060	.137	.089	.052	.094	.062	.037	.055	.036	.022	.018	.012	.007	
5.0	.152	.093	.049	.131	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.145	.084	.041	.125	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005	
7.0	.138	.077	.035	.119	.067	.030	.082	.047	.021	.048	.028	.013	.015	.009	.004	
8.0	.132	.071	.030	.113	.062	.026	.078	.044	.019	.046	.026	.011	.015	.008	.004	
9.0	.126	.067	.027	.108	.058	.023	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.062	.024	.103	.054	.021	.072	.038	.015	.042	.022	.009	.014	.007	.003	

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:



HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER:					Address:					
NAME:					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION:			SERIAL No.:		
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	17.8	19.3	18.0	19.5	19.7	17.5	19.0	17.8	19.2	19.5
3H	19.4	20.8	19.7	21.0	21.3	19.0	20.4	19.3	20.6	20.9
4H	20.0	21.4	20.3	21.6	21.9	19.6	20.9	19.9	21.2	21.4
6H	20.5	21.8	20.9	22.1	22.4	20.0	21.2	20.3	21.5	21.8
8H	20.7	22.0	21.1	22.2	22.5	20.1	21.3	20.4	21.6	21.9
12H	20.9	22.0	21.2	22.3	22.7	20.2	21.4	20.5	21.7	22.0
4H 2H	18.3	19.7	18.6	19.9	20.2	18.1	19.5	18.5	19.7	20.0
3H	20.1	21.3	20.5	21.6	21.9	19.8	21.0	20.1	21.3	21.6
4H	20.9	22.0	21.3	22.3	22.6	20.5	21.6	20.9	21.9	22.2
6H	21.5	22.5	21.9	22.8	23.2	21.0	22.0	21.4	22.3	22.7
8H	21.8	22.7	22.2	23.0	23.4	21.2	22.1	21.6	22.5	22.8
12H	21.9	22.8	22.4	23.2	23.6	21.3	22.2	21.8	22.5	23.0
8H 4H	21.1	22.0	21.5	22.4	22.8	20.8	21.7	21.2	22.0	22.4
6H	21.9	22.6	22.3	23.0	23.5	21.4	22.2	21.9	22.6	23.0
8H	22.2	22.9	22.7	23.3	23.7	21.7	22.3	22.1	22.8	23.2
12H	22.4	23.0	22.9	23.5	24.0	21.9	22.5	22.4	22.9	23.4
12H 4H	21.1	21.9	21.6	22.3	22.7	20.8	21.6	21.2	22.0	22.4
6H	21.9	22.6	22.4	23.0	23.5	21.5	22.1	21.9	22.6	23.0
8H	22.3	22.8	22.8	23.3	23.8	21.8	22.4	22.3	22.8	23.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4595 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.3)

Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>	

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	38	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	40
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	82	72	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	90	83	77	69
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	86	78
4.00	107	101	96	104	99	94	100	95	92	83
5.00	109	104	100	107	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

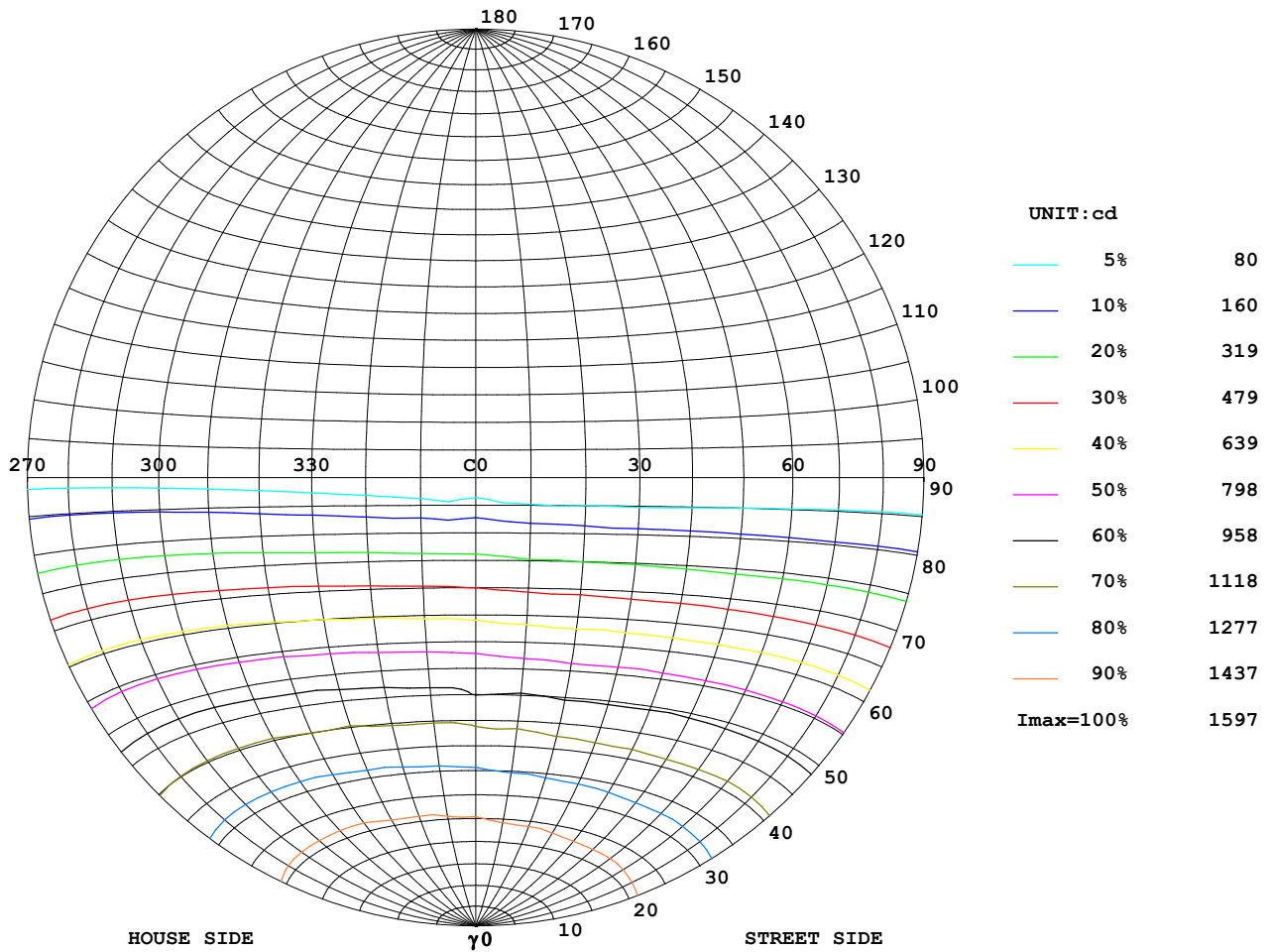
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

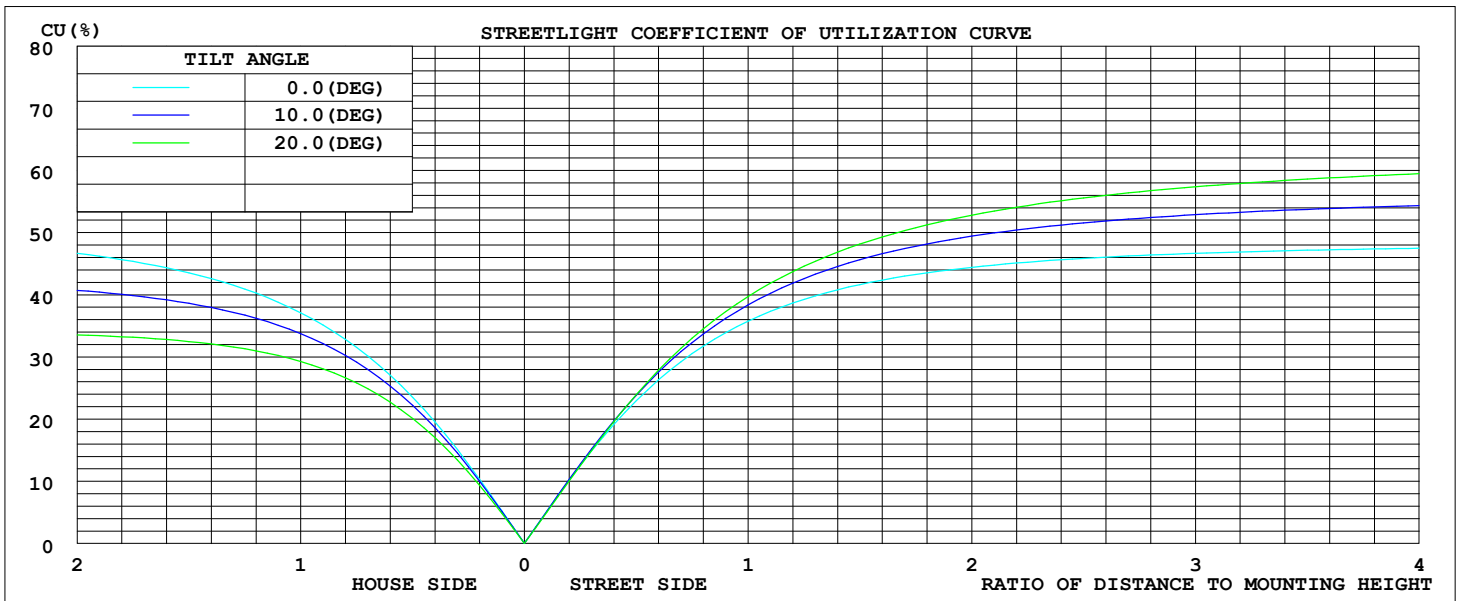
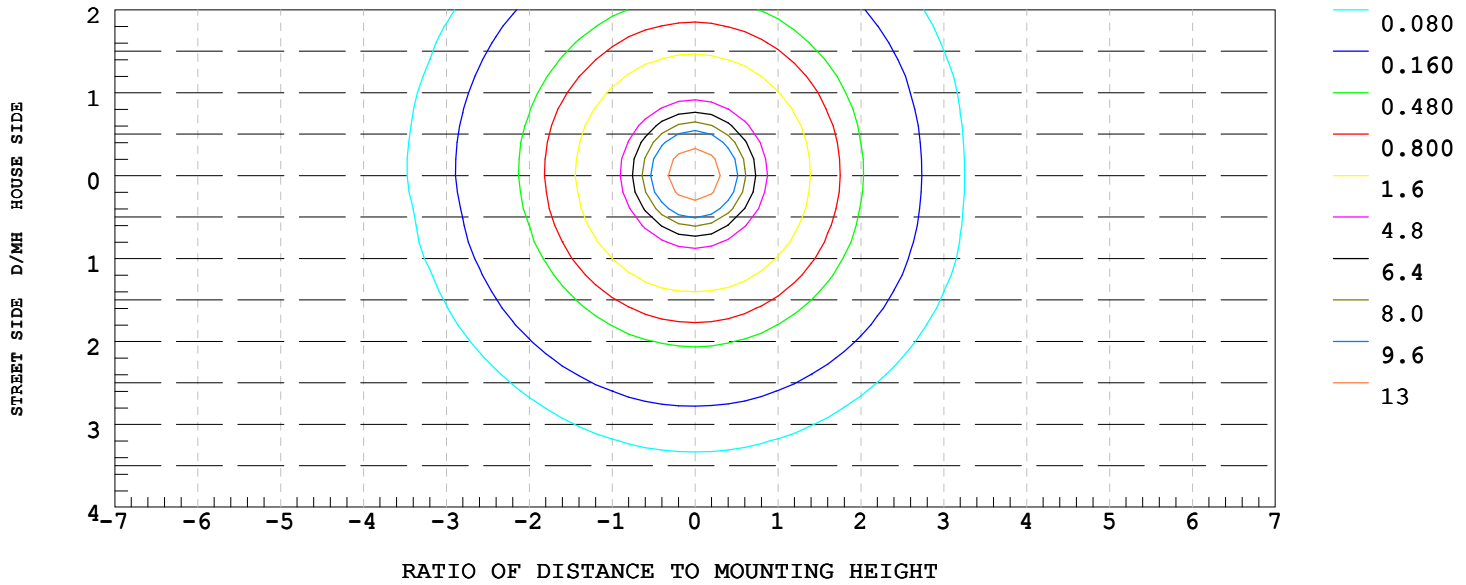
Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 15.96 lx



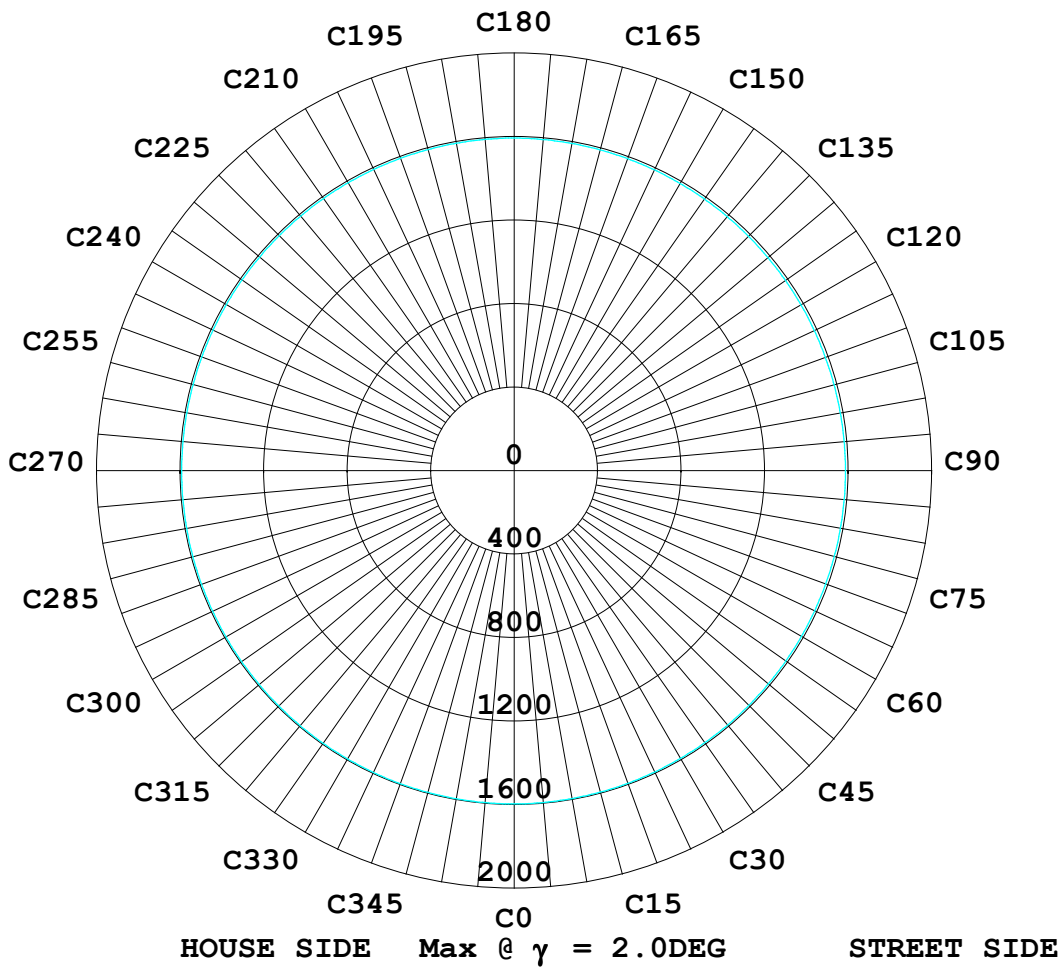
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

**HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) \ γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596
5.0	1594	1592	1590	1588	1587	1585	1584	1583	1581	1580	1579	1578	1577	1577	1576
10.0	1576	1573	1569	1566	1564	1562	1560	1559	1558	1557	1557	1556	1555	1555	1554
15.0	1545	1540	1536	1532	1530	1528	1526	1526	1526	1523	1519	1516	1513	1511	1509
20.0	1499	1492	1487	1484	1482	1481	1481	1475	1470	1467	1464	1462	1461	1460	1458
25.0	1441	1433	1427	1424	1423	1419	1413	1409	1406	1405	1404	1401	1396	1392	1389
30.0	1369	1359	1354	1352	1350	1342	1339	1337	1336	1329	1323	1320	1317	1315	1313
35.0	1288	1277	1272	1271	1262	1257	1256	1250	1245	1241	1238	1236	1235	1232	1230
40.0	1193	1182	1178	1174	1167	1167	1159	1153	1154	1148	1145	1143	1143	1143	1143
45.0	1092	1081	1080	1070	1068	1058	1054	1052	1049	1047	1047	1049	1047	1044	1041
50.0	951	961	967	959	941	946	943	941	944	946	936	936	933	932	931
55.0	866	853	846	844	831	830	828	831	826	823	820	820	817	814	812
60.0	739	730	722	715	708	707	708	703	699	698	694	692	690	689	687
65.0	612	598	595	581	583	582	575	573	569	566	566	564	560	558	556
70.0	478	467	458	454	451	446	442	439	439	434	430	427	425	423	421
75.0	348	337	324	325	316	314	312	306	302	298	297	296	295	295	294
80.0	222	210	203	196	193	186	182	181	181	179	177	175	173	172	170
85.0	113	93.0	84.1	77.2	80.3	77.6	74.8	76.3	77.3	78.5	79.4	80.4	81.0	81.8	82.5
90.0	11.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.07	0.07	0.10
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.07	0.14	0.16	0.19
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.15	0.21	0.29	0.29
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.15	0.29	0.28	0.32	0.39
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.19	0.36	0.34	0.33	0.48
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.24	0.26	0.43	0.41	0.50	0.58
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.29	0.27	0.52	0.49	0.67	0.69	0.67
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.34	0.32	0.61	0.58	0.56	0.54	0.78	0.76
135.0	0.00	0.00	0.00	0.00	0.43	0.41	0.39	0.37	0.70	0.67	0.64	0.90	0.90	0.87	0.85
140.0	0.55	0.52	0.50	0.47	0.45	0.43	0.48	0.78	0.75	0.72	0.90	0.80	0.98	0.96	0.94
145.0	0.55	0.53	0.50	0.66	0.93	0.89	0.86	0.83	0.80	1.13	0.89	1.09	1.07	1.04	1.03
150.0	1.09	1.05	1.02	0.99	0.96	0.93	0.90	1.22	0.85	1.23	1.20	1.17	1.15	1.13	1.12
155.0	1.09	1.11	1.24	1.46	1.17	0.96	1.18	1.36	1.33	1.30	1.28	1.25	1.23	1.22	1.20
160.0	1.64	1.60	1.57	1.54	1.51	1.48	1.45	1.42	1.40	1.37	1.35	1.33	1.32	1.30	1.29
165.0	1.64	1.61	1.59	1.56	1.54	1.52	1.50	1.48	1.46	1.44	1.42	1.41	1.40	1.39	1.38
170.0	1.64	1.62	1.60	1.59	1.57	1.56	1.54	1.53	1.52	1.51	1.50	1.49	1.48	1.47	1.46
175.0	1.64	1.63	1.62	1.61	1.60	1.60	1.59	1.58	1.58	1.57	1.57	1.63	1.82	2.01	2.07
180.0	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

**HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596
5.0	1575	1575	1574	1574	1573	1573	1573	1573	1573	1573	1573	1573	1573	1574	1574
10.0	1554	1553	1553	1552	1551	1550	1549	1548	1546	1545	1544	1544	1543	1543	1543
15.0	1507	1505	1504	1503	1502	1501	1500	1499	1499	1499	1500	1501	1503	1505	1503
20.0	1457	1456	1455	1454	1453	1451	1449	1447	1445	1444	1443	1442	1443	1443	1445
25.0	1387	1384	1383	1381	1379	1378	1376	1376	1376	1376	1378	1379	1375	1374	1374
30.0	1312	1311	1309	1308	1305	1303	1301	1299	1297	1295	1294	1294	1296	1300	1298
35.0	1228	1227	1225	1224	1222	1219	1218	1215	1213	1211	1210	1207	1206	1206	1207
40.0	1143	1142	1141	1140	1138	1135	1135	1129	1125	1120	1117	1114	1111	1109	1108
45.0	1039	1037	1035	1033	1031	1029	1030	1028	1026	1026	1023	1017	1011	1008	1006
50.0	930	929	928	927	925	923	921	918	915	913	911	909	910	903	896
55.0	810	808	806	805	803	802	801	799	799	798	797	794	791	788	787
60.0	686	685	684	683	682	680	679	677	675	673	672	672	671	668	665
65.0	554	552	551	551	550	549	549	548	548	548	547	546	543	543	541
70.0	420	419	419	418	417	417	417	417	417	417	418	417	417	417	414
75.0	294	293	293	293	293	293	293	293	293	293	293	292	292	292	292
80.0	169	168	168	167	168	168	169	170	172	173	175	176	178	178	178
85.0	83.0	83.3	83.6	83.7	83.7	83.5	83.3	82.8	82.3	81.7	81.1	80.2	79.6	78.4	77.5
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95.0	0.09	0.09	0.09	0.12	0.12	0.09	0.09	0.10	0.10	0.11	0.15	0.20	0.14	0.13	0.11
100.0	0.19	0.19	0.18	0.24	0.24	0.19	0.19	0.19	0.20	0.21	0.30	0.39	0.33	0.19	0.21
105.0	0.28	0.28	0.27	0.36	0.37	0.31	0.28	0.29	0.30	0.31	0.44	0.51	0.50	0.41	0.30
110.0	0.38	0.37	0.37	0.49	0.49	0.44	0.38	0.39	0.40	0.42	0.58	0.62	0.66	0.54	0.53
115.0	0.47	0.46	0.46	0.61	0.61	0.61	0.47	0.48	0.50	0.52	0.60	0.76	1.01	0.87	0.71
120.0	0.56	0.55	0.55	0.73	0.73	0.74	0.56	0.58	0.59	0.61	0.64	0.90	0.95	1.01	0.82
125.0	0.66	0.65	0.64	0.85	0.85	0.86	0.66	0.67	0.69	0.71	0.74	0.97	1.08	1.40	1.23
130.0	0.75	0.74	0.73	0.97	0.97	0.98	0.75	0.76	0.78	0.80	0.83	0.87	1.21	1.27	1.64
135.0	0.84	0.83	0.82	1.09	1.09	1.10	0.84	0.85	0.87	0.90	0.92	0.96	1.00	1.39	1.46
140.0	0.93	0.92	0.91	1.21	1.21	1.22	1.06	0.94	0.96	0.98	1.01	1.04	1.08	1.12	1.47
145.0	1.01	1.00	1.04	1.33	1.33	1.34	1.35	1.03	1.04	1.07	1.09	1.12	1.16	1.19	1.24
150.0	1.10	1.10	1.27	1.45	1.46	1.46	1.47	1.17	1.13	1.15	1.17	1.20	1.23	1.26	1.30
155.0	1.19	1.19	1.53	1.57	1.58	1.58	1.59	1.61	1.22	1.23	1.25	1.28	1.30	1.33	1.36
160.0	1.28	1.28	1.70	1.70	1.70	1.70	1.71	1.72	1.74	1.38	1.33	1.35	1.37	1.40	1.42
165.0	1.37	1.56	1.82	1.82	1.82	1.82	1.83	1.84	1.85	1.86	1.88	1.63	1.44	1.46	1.48
170.0	1.67	1.94	1.94	1.94	1.94	1.94	1.95	1.95	1.96	1.97	1.98	2.00	2.01	2.02	2.04
175.0	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.08	2.08	2.09	2.10	2.10	2.11
180.0	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

**HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) \ γ (DEG)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220
0.0	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596
5.0	1575	1576	1577	1578	1580	1582	1583	1583	1582	1582	1582	1582	1582	1583	1583
10.0	1543	1544	1545	1547	1549	1552	1556	1555	1554	1555	1555	1557	1558	1560	1562
15.0	1502	1502	1502	1504	1506	1510	1515	1514	1513	1514	1517	1520	1523	1528	1533
20.0	1448	1447	1446	1447	1449	1454	1460	1458	1459	1461	1465	1471	1475	1476	1477
25.0	1376	1380	1382	1380	1381	1386	1393	1391	1392	1397	1404	1407	1408	1411	1415
30.0	1296	1296	1300	1302	1301	1305	1313	1312	1314	1320	1325	1327	1332	1340	1346
35.0	1210	1208	1210	1216	1215	1217	1225	1224	1228	1236	1236	1241	1249	1252	1257
40.0	1112	1121	1111	1112	1117	1127	1146	1134	1131	1134	1149	1152	1152	1156	1164
45.0	1000	1005	1008	1007	1012	1011	1020	1019	1027	1028	1036	1036	1047	1057	1062
50.0	895	892	894	894	895	895	902	903	909	915	923	929	937	941	951
55.0	780	775	772	775	774	777	782	784	787	795	800	810	817	827	834
60.0	663	655	652	649	647	649	652	655	659	668	678	683	694	704	714
65.0	538	535	527	522	520	522	522	527	529	538	545	556	567	578	586
70.0	413	411	405	398	392	389	387	391	398	406	416	429	439	447	458
75.0	291	288	287	280	271	264	262	263	270	281	293	301	312	322	332
80.0	177	177	175	171	165	154	144	145	153	165	176	187	197	206	214
85.0	76.3	77.7	76.7	74.5	67.6	57.6	36.4	30.6	47.0	66.7	78.0	86.0	91.6	102	108
90.0	0.00	0.00	0.00	0.00	0.00	0.12	0.18	0.00	0.06	0.12	2.24	7.35	11.4	15.6	19.7
95.0	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	2.28	4.72
100.0	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.44	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.52	0.52	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.72	0.65	0.72	0.40	0.45	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.99	1.07	1.03	0.85	0.92	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	1.43	1.53	1.23	1.32	0.96	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	1.54	2.03	1.72	1.83	1.88	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	1.63	1.71	1.79	2.06	2.48	2.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	1.28	1.48	1.85	1.93	2.01	2.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	1.34	1.39	1.43	1.48	1.53	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	1.40	1.43	1.47	1.51	1.55	1.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	1.45	1.48	1.51	1.54	1.57	1.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	1.50	1.52	1.54	1.56	1.59	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	2.06	2.05	1.89	1.77	1.69	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	2.12	2.13	2.14	2.15	2.16	2.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	2.18	2.18	2.18	2.18	2.18	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:



HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) \ γ (DEG)	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295
0.0	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596
5.0	1584	1585	1586	1586	1587	1587	1588	1588	1589	1589	1590	1590	1591	1591	1591
10.0	1564	1566	1569	1571	1574	1576	1578	1580	1582	1583	1584	1584	1584	1584	1583
15.0	1534	1534	1535	1536	1538	1540	1542	1544	1546	1547	1548	1550	1551	1551	1552
20.0	1481	1484	1487	1491	1495	1499	1504	1507	1509	1511	1513	1514	1514	1513	1513
25.0	1421	1430	1432	1434	1436	1438	1441	1444	1447	1449	1451	1453	1454	1455	1457
30.0	1348	1351	1355	1360	1366	1371	1375	1380	1384	1386	1389	1390	1390	1390	1390
35.0	1263	1270	1278	1281	1285	1289	1293	1296	1300	1303	1305	1307	1309	1310	1312
40.0	1172	1177	1182	1190	1194	1200	1206	1211	1216	1219	1221	1223	1223	1224	1222
45.0	1067	1075	1086	1095	1095	1101	1105	1109	1114	1117	1119	1121	1123	1124	1125
50.0	962	967	974	982	990	995	1001	1007	1011	1014	1017	1018	1018	1018	1017
55.0	843	853	862	869	874	879	884	888	893	896	898	900	901	902	902
60.0	723	731	737	744	751	758	764	769	773	777	779	781	782	781	780
65.0	594	604	612	620	626	631	637	641	645	648	650	652	653	652	652
70.0	466	475	484	490	498	503	509	513	516	519	521	521	522	521	520
75.0	342	349	358	364	371	376	380	384	387	390	391	392	392	391	390
80.0	222	228	234	239	245	249	253	256	259	260	262	263	263	262	261
85.0	115	122	128	134	139	144	147	150	153	154	155	155	154	153	151
90.0	23.8	28.0	31.8	35.4	38.7	41.6	44.0	45.8	47.5	48.4	48.8	48.4	47.5	46.4	44.9
95.0	7.35	10.0	12.6	15.2	17.5	19.6	21.4	22.7	23.8	24.3	24.4	23.9	23.0	21.8	20.3
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.30	0.12	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

γ (DEG)	C (DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596	1596
5.0	1591	1591	1591	1591	1592	1592	1592	1592	1592	1592	1592	1593
10.0	1583	1582	1580	1579	1578	1577	1576	1575	1575	1575	1575	1575
15.0	1552	1553	1555	1556	1557	1553	1550	1548	1546	1544	1544	1544
20.0	1512	1511	1510	1510	1510	1511	1512	1508	1503	1500	1498	1498
25.0	1458	1460	1461	1457	1454	1452	1451	1452	1450	1444	1441	1440
30.0	1389	1388	1388	1388	1391	1387	1383	1380	1381	1376	1369	1367
35.0	1313	1314	1310	1308	1307	1306	1305	1299	1297	1298	1290	1286
40.0	1221	1220	1220	1222	1217	1213	1213	1214	1205	1203	1198	1192
45.0	1126	1126	1121	1118	1117	1127	1112	1108	1108	1112	1102	1093
50.0	1016	1015	1014	1015	1004	1005	1005	1000	998	982	990	973
55.0	903	902	897	893	893	893	887	885	878	880	871	866
60.0	779	776	775	774	768	766	765	759	756	753	748	744
65.0	651	650	648	642	639	637	631	631	626	620	621	613
70.0	518	515	513	510	509	503	498	495	492	488	485	481
75.0	387	384	379	375	372	368	366	360	355	355	349	351
80.0	259	257	253	250	245	240	234	229	228	223	222	222
85.0	148	145	140	136	131	126	120	116	111	109	95.4	84.9
90.0	42.7	40.2	37.4	34.3	30.8	27.0	23.0	18.7	14.3	9.17	4.73	1.33
95.0	18.2	15.8	13.2	10.3	7.08	3.69	0.18	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
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