

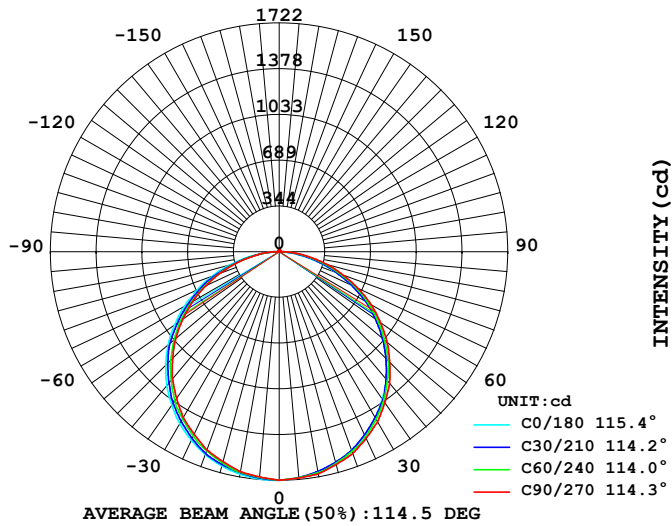
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

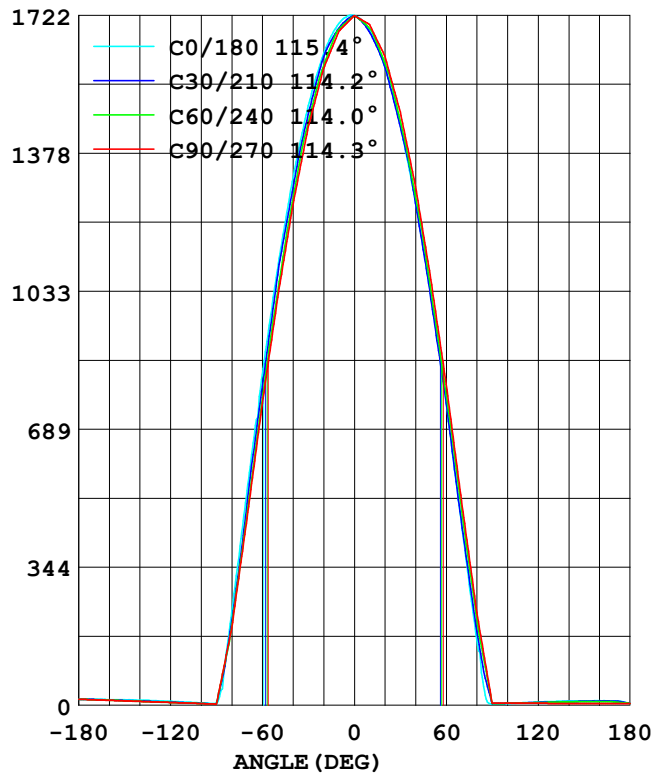
<b>MANUFACTURER:</b>	<b>Address:</b>		
<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>	
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>	

DATA OF LAMP		Imax (cd)	1722	S/MH (C0/180)	1.29
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.25
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	5019.1	Voltage (V)	120.6
RATED VOLTAGE (V)	120	EFFICIENCY (lm/W)	126.1	Current (A)	0.356
NOMINAL FLUX (lm)	5019.2	$\eta$ up (%)	0.8	Power (W)	39.81
LAMPS QUANTITY	1	$\eta$ down (%)	99.2	Power Factor (PF)	0.972
TEST VOLTAGE (V)	120.7	Effective Flux (lm)	0.0	EET	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



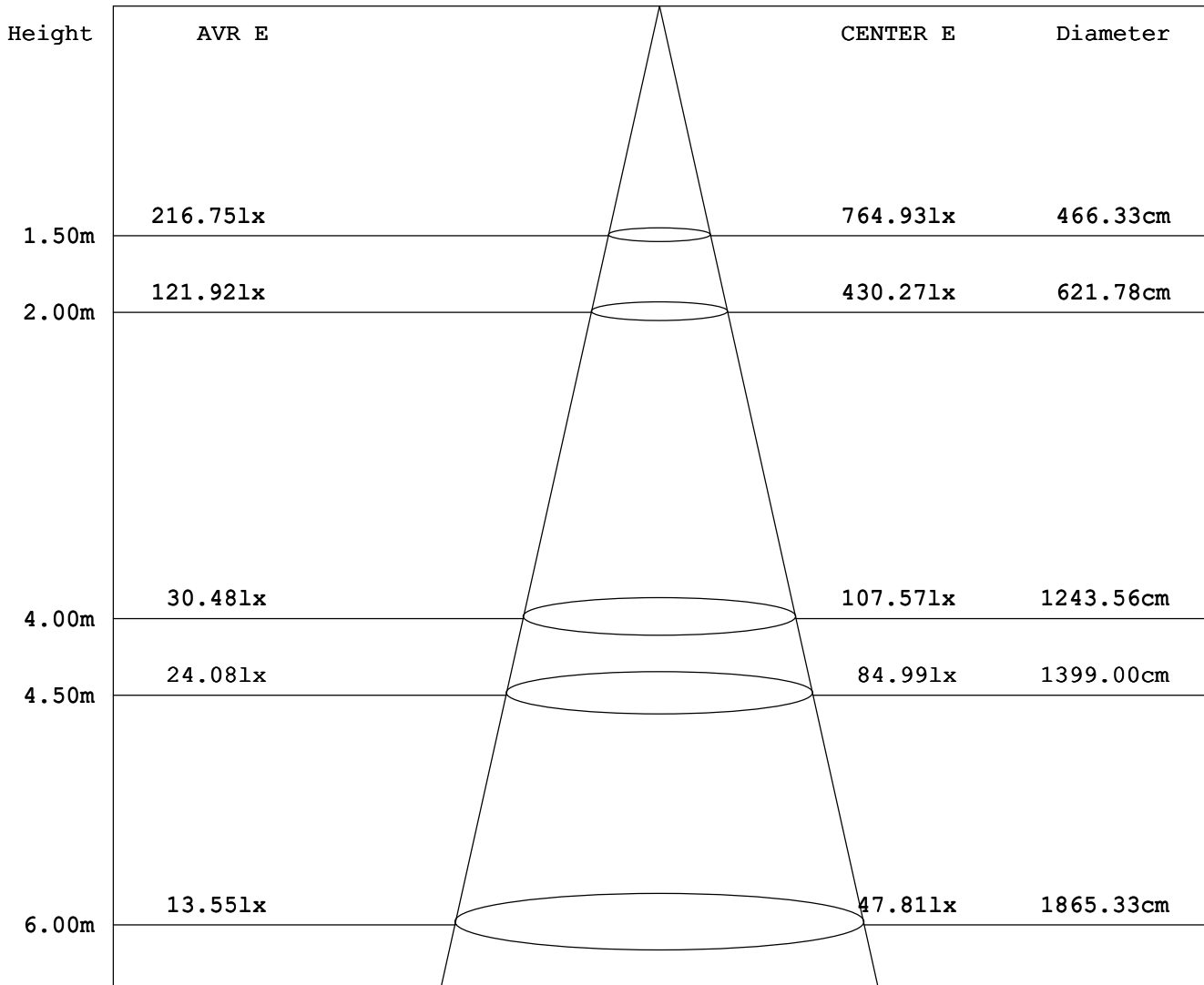
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

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:114.5deg

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	1718	1708	1702	1701	1709	1706	1710	1714	0- 5	40.95	40.95
10.0	1702	1688	1683	1672	1684	1684	1699	1700	5- 10	121.4	162.4
15.0	1671	1658	1636	1632	1644	1648	1659	1676	10- 15	198.0	360.4
20.0	1626	1603	1590	1575	1591	1593	1619	1625	15- 20	268.0	628.4
25.0	1567	1541	1517	1513	1524	1533	1550	1569	20- 25	329.3	957.8
30.0	1496	1466	1444	1434	1447	1455	1481	1497	25- 30	379.6	1337
35.0	1411	1378	1347	1339	1354	1360	1388	1411	30- 35	417.7	1755
40.0	1317	1286	1251	1240	1254	1260	1295	1321	35- 40	441.8	2197
45.0	1208	1169	1134	1129	1140	1147	1178	1206	40- 45	451.6	2649
50.0	1092	1049	1018	1016	1019	1031	1062	1089	45- 50	446.1	3095
55.0	962.0	919.6	885.5	880.4	899.6	893.9	931.5	960.5	50- 55	426.0	3521
60.0	826.0	788.9	753.3	746.4	751.3	757.2	801.0	827.5	55- 60	391.6	3913
65.0	684.0	636.6	610.2	611.8	600.3	617.3	655.5	677.1	60- 65	344.3	4257
70.0	535.7	486.8	467.1	471.4	451.6	477.3	510.1	527.1	65- 70	285.1	4542
75.0	379.7	341.0	330.0	327.5	301.4	331.5	370.6	378.6	70- 75	218.0	4760
80.0	234.0	205.3	192.8	200.2	162.3	203.4	231.1	240.3	75- 80	147.9	4908
85.0	92.91	91.54	97.93	91.37	35.59	93.66	118.1	118.0	80- 85	81.22	4989
90.0	7.446	3.074	2.978	3.122	3.987	4.131	5.140	12.63	85- 90	26.46	5016
95.0	4.996	3.786	3.651	3.902	4.419	4.606	5.092	8.713	90- 95	2.736	5018
100.0	6.293	4.487	4.323	4.669	4.756	5.073	5.044	4.782	95-100	2.645	5021
105.0	6.725	5.168	4.996	5.416	5.092	5.527	4.996	0.680	100-105	2.520	5024
110.0	7.975	5.953	5.669	6.215	6.822	5.993	4.948	0	105-110	2.432	5026
115.0	9.224	6.605	6.341	6.926	6.966	6.497	4.900	0	110-115	2.557	5029
120.0	9.656	7.266	7.014	7.786	7.879	6.955	4.852	0	115-120	2.692	5031
125.0	10.90	8.082	7.686	8.445	9.224	7.521	4.804	0	120-125	2.794	5034
130.0	11.33	8.969	8.359	9.065	9.272	7.917	4.756	0	125-130	2.839	5037
135.0	12.15	9.600	9.032	10.12	10.18	8.028	4.708	0	130-135	2.819	5040
140.0	12.58	10.15	9.704	10.72	10.56	8.643	4.660	0	135-140	2.750	5042
145.0	13.01	10.69	10.37	11.28	11.00	8.999	4.612	0	140-145	2.617	5045
150.0	13.83	11.49	11.04	11.82	10.56	9.620	4.564	0	145-150	2.422	5047
155.0	13.83	12.17	11.72	12.33	11.00	9.858	4.516	0	150-155	2.169	5050
160.0	14.26	12.78	12.39	12.83	11.43	9.988	4.467	0	155-160	1.868	5051
165.0	14.65	13.64	13.06	13.64	11.09	9.988	4.419	0	160-165	1.512	5053
170.0	15.08	14.12	13.74	14.12	10.76	9.615	4.371	0	165-170	1.118	5054
175.0	15.08	14.60	14.41	14.60	8.887	7.224	4.323	0	170-175	0.677	5055
180.0	15.08	15.08	15.08	15.08	4.275	4.275	4.275	4.275	175-180	0.224	5055
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

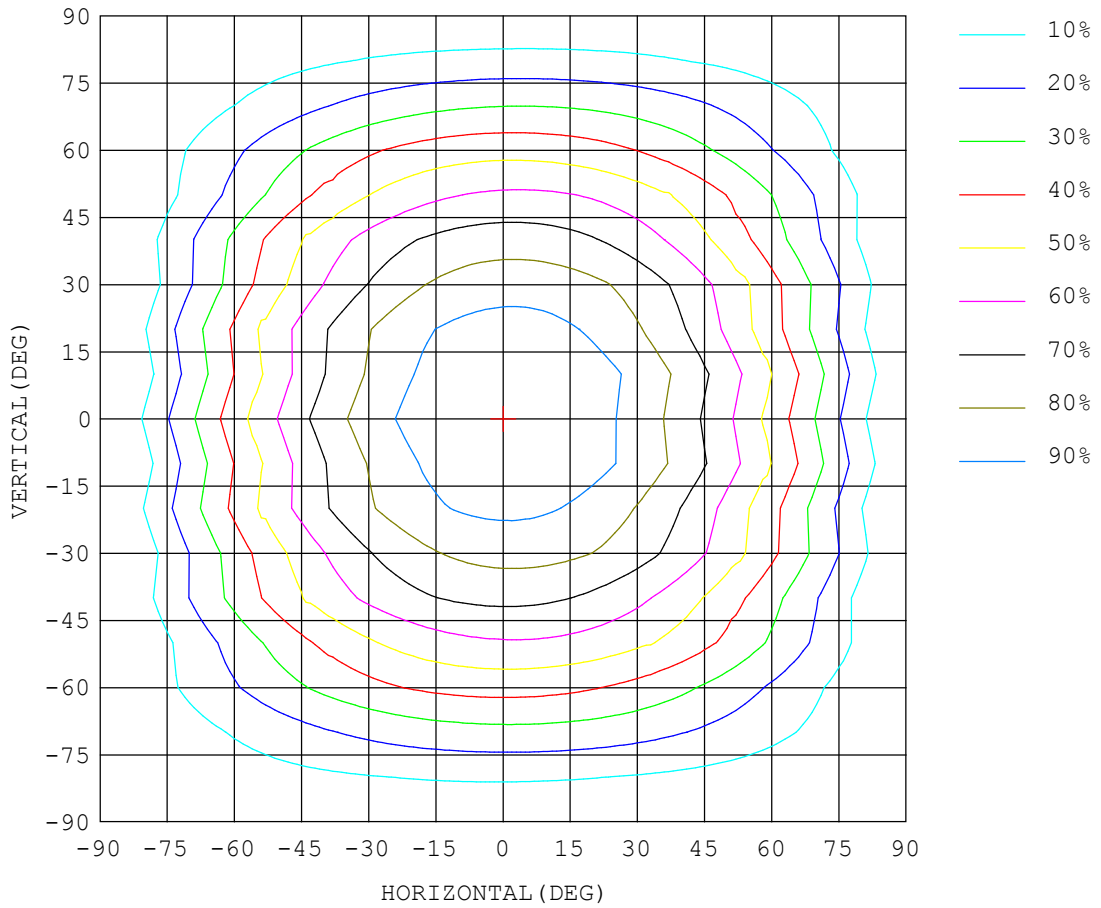
Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

<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



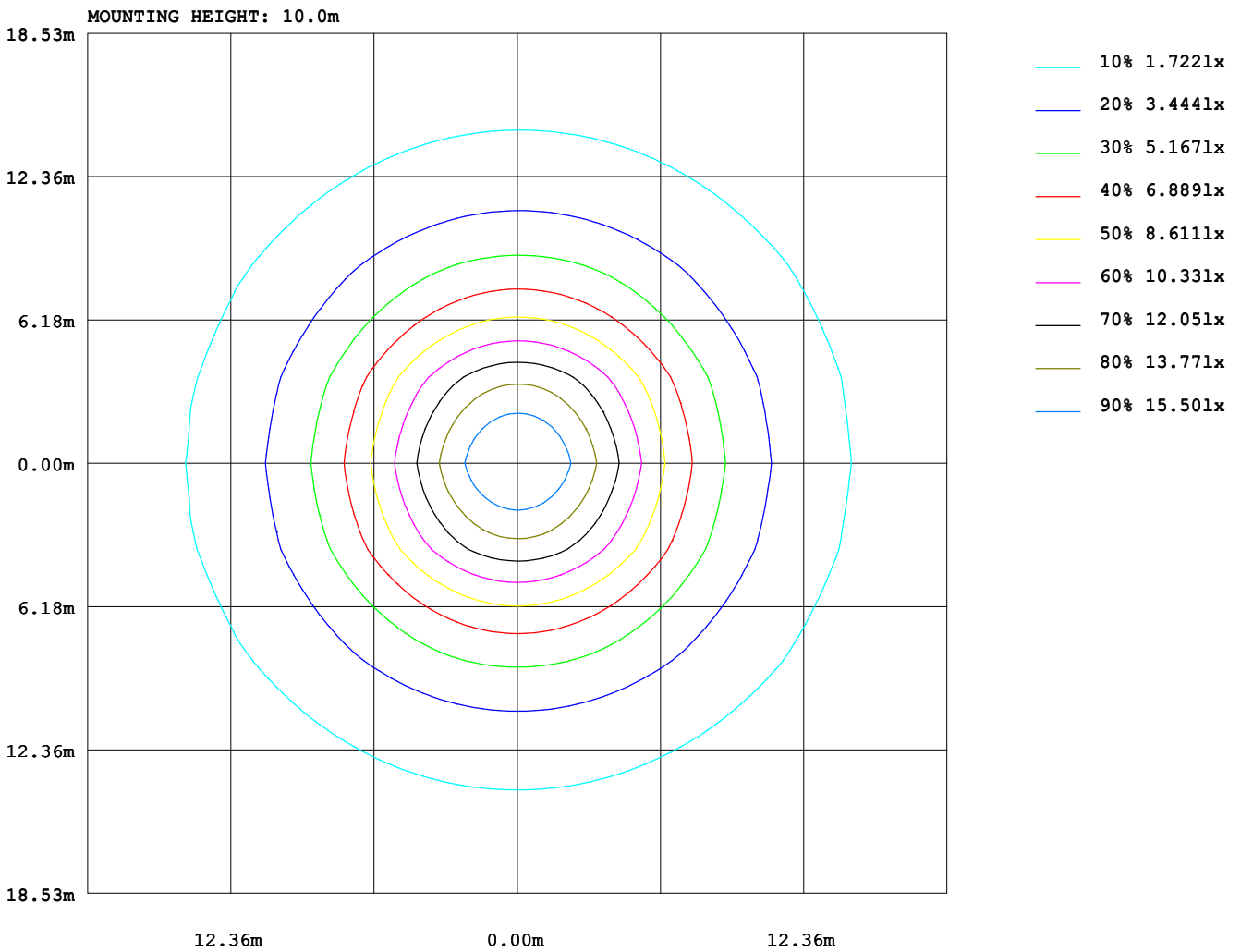
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

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		$\Phi t$	$\Phi a$	
VERTICAL (DEG)	90	0.01	0.03	0.05	0.07	0.08	0.09	0.10	0.11	0.13	0.20	0.33	0.41	0.42	0.34	0.23	0.14	0.06	0.02	2.80	0.00	
	80	0.02	0.31	1.14	2.53	4.29	6.21	8.02	9.45	10.3	10.4	9.80	8.55	6.87	4.98	3.17	1.64	0.59	0.07	88.4	80.5	
	70	0.04	0.60	2.19	4.75	8.07	11.6	15.0	17.7	19.3	19.6	18.6	16.4	13.3	9.80	6.25	3.27	1.22	0.18	168	166	
	60	0.12	1.28	3.97	8.14	13.1	18.4	23.0	26.5	28.5	28.5	26.8	23.3	18.7	13.5	8.45	4.23	1.40	0.14	249	247	
	50	0.06	1.17	4.36	9.41	15.7	22.0	28.1	32.8	35.6	36.1	34.3	30.5	25.1	18.7	12.2	6.47	2.36	0.36	316	315	
	40	0.23	2.17	6.56	13.0	20.5	28.1	34.8	39.8	42.5	42.5	39.9	34.9	28.1	20.4	12.9	6.61	2.18	0.21	376	375	
	30	0.08	1.70	6.09	12.7	20.9	29.5	37.3	43.3	47.0	47.7	45.3	40.3	33.2	24.8	16.4	8.88	3.29	0.49	420	419	
		0.33	2.82	8.29	16.1	24.9	33.9	41.8	47.8	50.9	50.9	47.6	41.6	33.6	24.5	15.5	7.98	2.63	0.23	452	452	
		0.08	1.94	6.89	14.2	23.3	32.7	41.2	47.9	51.9	52.7	50.1	44.6	36.8	27.6	18.3	10.0	3.77	0.56	465	465	
		0.36	3.07	8.81	16.8	25.9	35.1	43.2	49.2	52.3	52.2	48.8	42.6	34.3	25.0	15.9	8.06	2.65	0.21	465	465	
		0.06	1.86	6.60	13.6	22.3	31.3	39.4	45.8	49.7	50.4	48.0	42.7	35.3	26.5	17.6	9.67	3.64	0.54	446	445	
	-30	0.34	2.80	7.94	15.2	23.3	31.5	38.6	43.9	46.6	46.4	43.4	37.9	30.5	22.2	14.0	7.13	2.27	0.16	415	414	
	-40	0.05	1.49	5.37	11.1	18.4	25.8	32.5	37.8	40.9	41.5	39.5	35.2	29.1	21.8	14.5	7.84	2.93	0.40	367	366	
	-50	0.22	2.05	5.83	11.2	17.5	23.5	28.9	32.8	34.8	34.7	32.4	28.2	22.6	16.4	10.2	5.11	1.54	0.08	309	308	
	-60	0.02	0.90	3.38	7.20	11.9	16.7	21.3	24.8	26.9	27.3	25.9	23.0	19.1	14.2	9.28	4.93	1.81	0.24	239	238	
	-70	0.11	1.14	3.09	5.91	9.23	12.6	15.5	17.7	18.8	18.6	17.2	14.9	11.7	8.31	5.06	2.43	0.68	0.04	163	161	
-80	0.01	0.26	1.15	2.42	4.05	5.83	7.51	8.86	9.67	9.83	9.33	8.23	6.69	4.94	3.21	1.72	0.67	0.09	84.5	74.9		
-90	0.03	0.19	0.44	0.78	1.12	1.46	1.76	1.98	2.07	2.02	1.84	1.56	1.22	0.87	0.54	0.25	0.06	0.00	18.2	1.59		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
$\Phi t$		2.14	25.8	82.2	166	265	367	459	529	569	572	540	476	387	286	184	96.4	33.8	4.01	5055		
$\Phi a$		0.60	20.3	78.4	162	262	364	456	527	567	571	538	474	385	283	181	92.4	29.7	1.68		4939	

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:

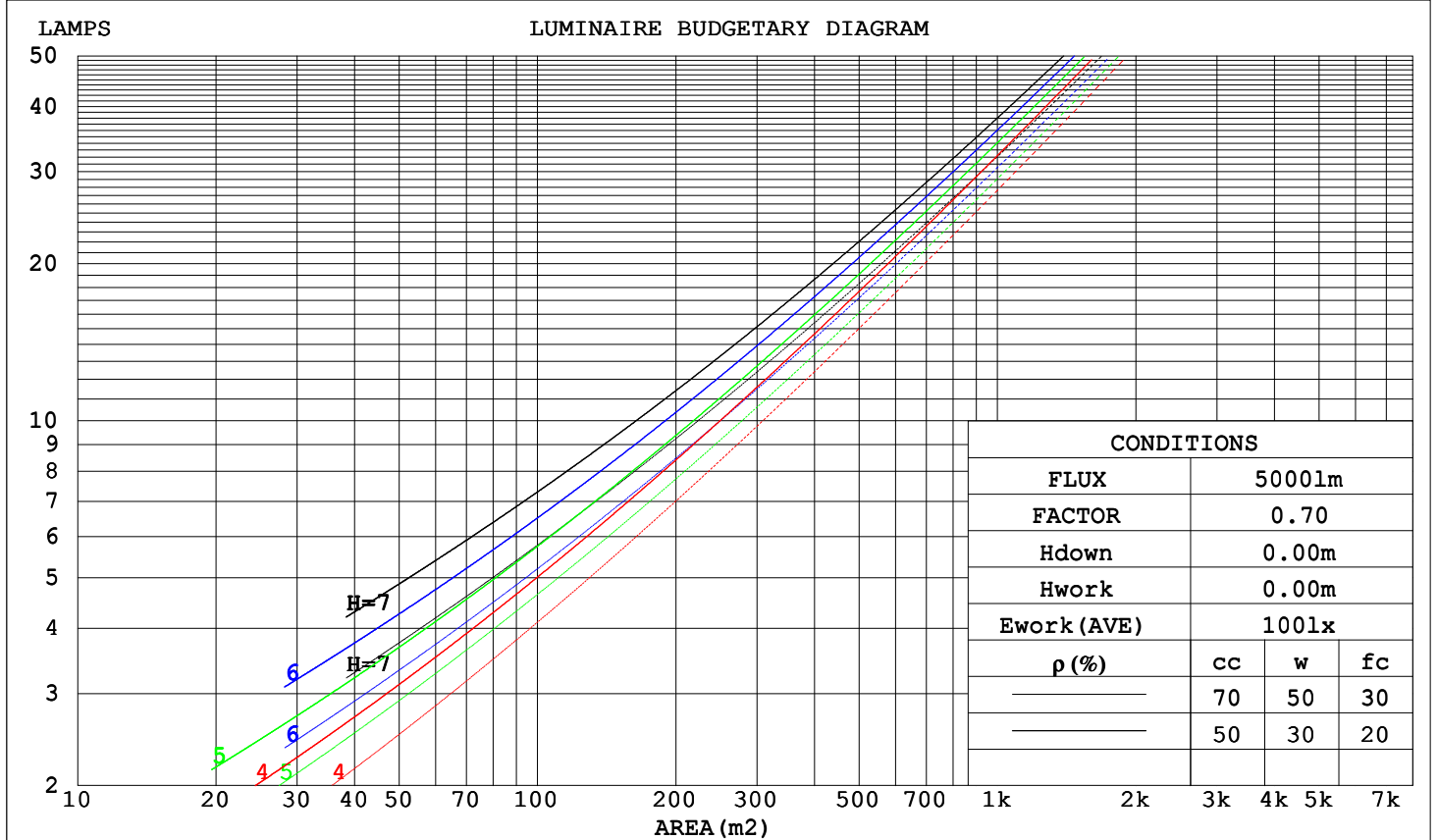
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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	1.11	1.11	1.11	1.07	1.07	1.07	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.91	.84	.78	.89	.82	.77	.85	.79	.75	.81	.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	.61	.56	.51	.49
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.42
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	.39	.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	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.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	.317	.180	.057	.309	.176	.056	.296	.170	.054	.283	.163	.052	.271	.157	.051	
2.0	.297	.163	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046	
3.0	.274	.146	.044	.269	.144	.043	.258	.140	.042	.248	.136	.042	.238	.132	.041	
4.0	.253	.131	.039	.248	.130	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.233	.119	.034	.229	.118	.034	.220	.115	.034	.212	.112	.033	.205	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.197	.103	.030	.191	.100	.030	
7.0	.201	.099	.028	.198	.098	.028	.191	.096	.028	.184	.094	.027	.178	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021	

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	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.188	.163	.141	.161	.140	.121	.110	.096	.084	.063	.056	.049	.020	.018	.016	
2.0	.180	.139	.104	.154	.120	.090	.106	.083	.063	.061	.048	.037	.020	.016	.012	
3.0	.172	.121	.081	.148	.105	.070	.101	.073	.049	.059	.042	.029	.019	.014	.009	
4.0	.165	.108	.065	.141	.093	.056	.097	.065	.040	.056	.038	.023	.018	.012	.008	
5.0	.157	.097	.053	.135	.084	.046	.093	.059	.033	.054	.035	.019	.017	.011	.006	
6.0	.150	.089	.045	.129	.077	.040	.089	.054	.028	.052	.032	.017	.017	.010	.005	
7.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.015	.016	.010	.005	
8.0	.136	.076	.035	.117	.066	.031	.081	.046	.022	.047	.027	.013	.015	.009	.004	
9.0	.130	.071	.032	.112	.062	.027	.078	.044	.020	.045	.026	.012	.015	.008	.004	
10.0	.124	.067	.029	.107	.058	.025	.074	.041	.018	.043	.024	.011	.014	.008	.004	

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	15.9	17.4	16.2	17.6	17.9	15.5	17.0	15.8	17.2	17.4
3H	17.5	18.9	17.8	19.2	19.4	17.0	18.4	17.3	18.6	18.9
4H	18.2	19.5	18.5	19.8	20.1	17.6	18.9	17.9	19.2	19.5
6H	18.7	19.9	19.0	20.2	20.5	18.0	19.3	18.3	19.5	19.8
8H	18.8	20.0	19.2	20.3	20.6	18.1	19.4	18.5	19.6	20.0
12H	18.9	20.0	19.2	20.4	20.7	18.2	19.4	18.6	19.7	20.0
4H 2H	16.5	17.8	16.8	18.1	18.3	16.1	17.5	16.5	17.7	18.0
3H	18.3	19.4	18.6	19.8	20.1	17.8	19.0	18.2	19.3	19.6
4H	19.1	20.1	19.4	20.5	20.8	18.5	19.6	18.9	19.9	20.3
6H	19.6	20.6	20.1	21.0	21.3	19.1	20.0	19.5	20.4	20.8
8H	19.8	20.7	20.3	21.1	21.5	19.3	20.1	19.7	20.5	20.9
12H	19.9	20.7	20.4	21.1	21.6	19.4	20.2	19.9	20.6	21.1
8H 4H	19.3	20.2	19.7	20.5	21.0	18.8	19.7	19.2	20.1	20.5
6H	20.0	20.7	20.5	21.2	21.6	19.5	20.2	19.9	20.7	21.1
8H	20.3	20.9	20.8	21.4	21.8	19.8	20.4	20.2	20.9	21.3
12H	20.5	21.0	20.9	21.5	22.0	20.0	20.6	20.5	21.1	21.5
12H 4H	19.3	20.1	19.7	20.5	20.9	18.8	19.6	19.3	20.0	20.5
6H	20.1	20.7	20.5	21.2	21.6	19.6	20.2	20.0	20.7	21.1
8H	20.4	20.9	20.9	21.4	21.9	19.9	20.4	20.4	20.9	21.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 5019 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.6)

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	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	75	64	57	72	65	56	49
1.25	83	72	65	81	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	89	83	77	69
2.50	99	91	85	97	90	84	93	87	82	73
3.00	102	95	90	100	94	89	96	91	86	77
4.00	107	101	96	104	99	94	100	95	92	82
5.00	109	104	100	106	102	98	102	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

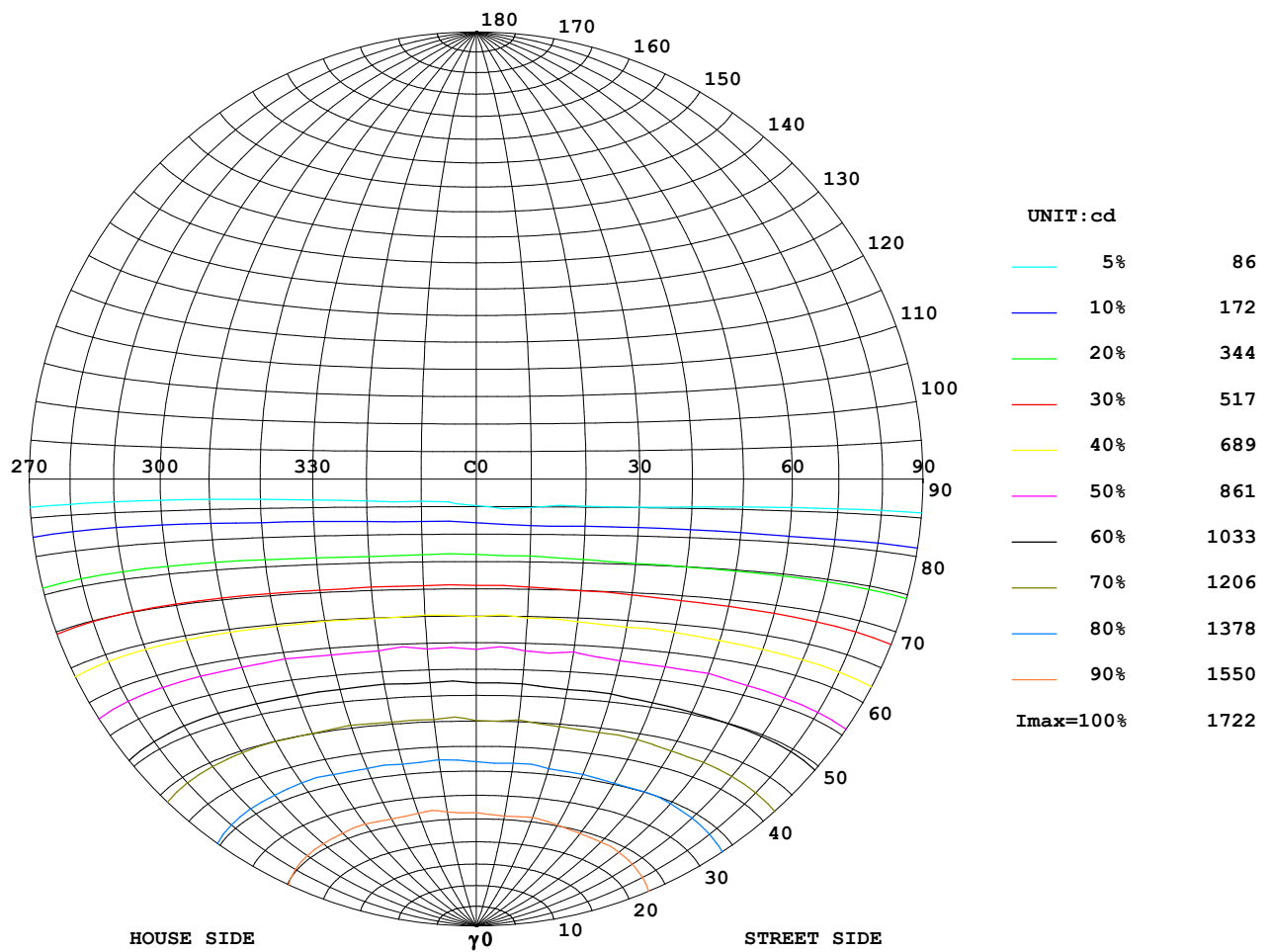
Test System:HOPOO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

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

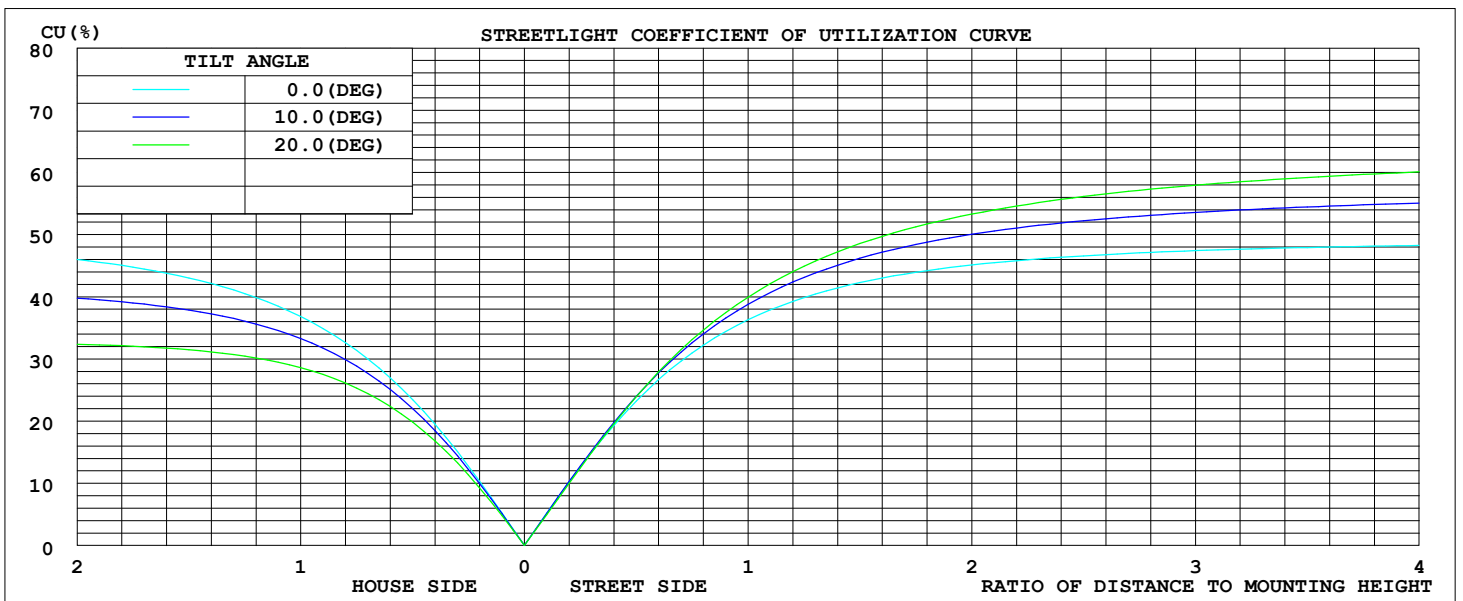
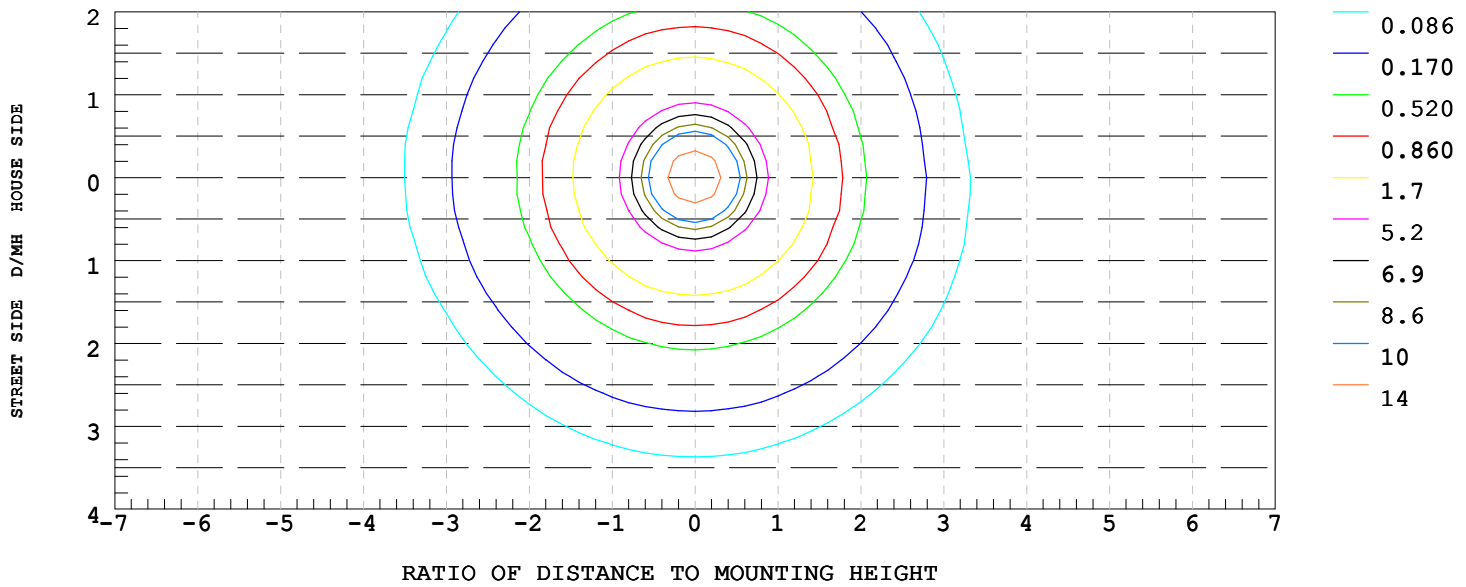
Test Set: 7.0deg/s B-Beta (TYPE B)  
 Humidity:65.0%  
 Test Distance:7.000 m  
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 17.21 lx



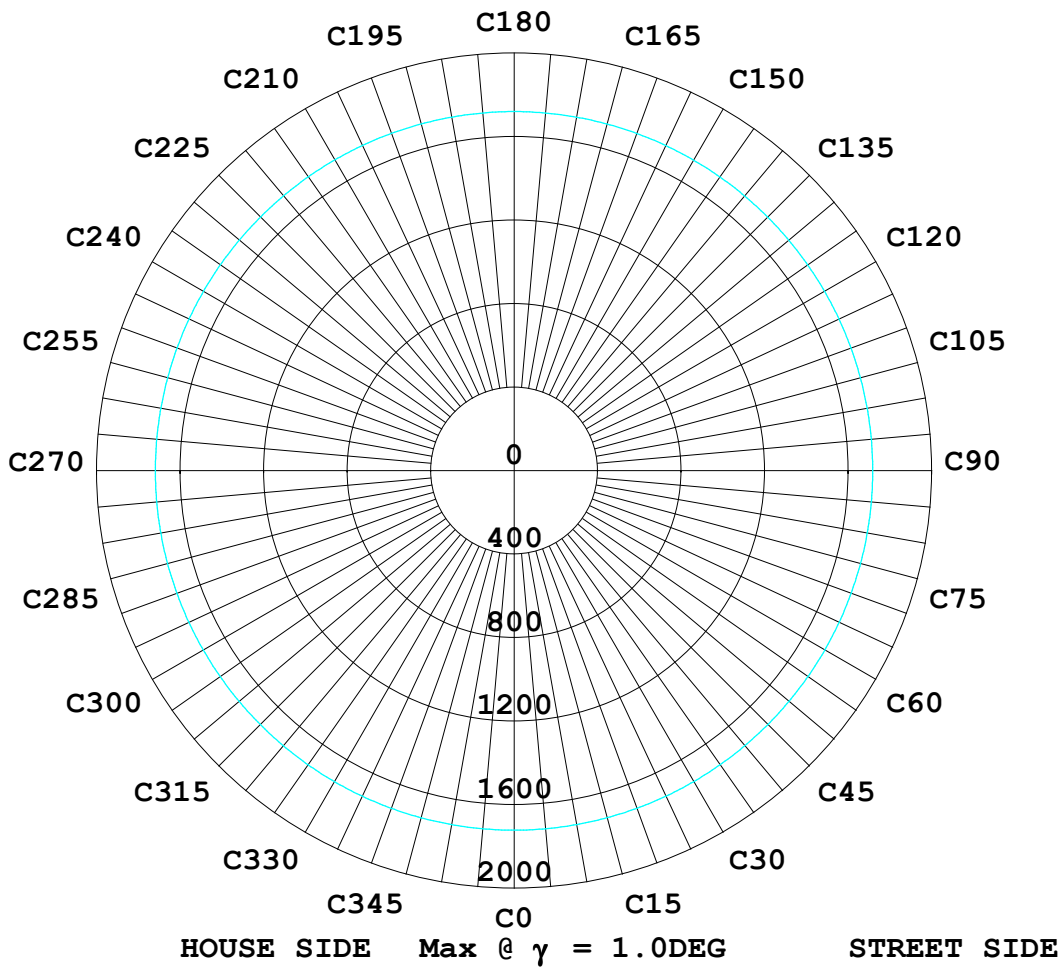
Test System:HOPPO HPG1900  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-07-09

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

ISOCANDELA DIAGRAM

Report number:

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	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721
5.0	1718	1717	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1705	1704
10.0	1702	1699	1697	1695	1693	1691	1690	1689	1689	1688	1688	1687	1687	1687	1686
15.0	1671	1667	1664	1662	1660	1660	1659	1660	1661	1658	1654	1650	1647	1645	1643
20.0	1626	1622	1619	1617	1617	1618	1618	1612	1606	1603	1599	1597	1596	1595	1594
25.0	1567	1562	1560	1559	1562	1559	1552	1547	1543	1541	1540	1536	1532	1529	1526
30.0	1496	1491	1490	1493	1491	1481	1475	1472	1470	1466	1461	1458	1455	1453	1452
35.0	1411	1407	1407	1412	1401	1395	1391	1387	1381	1378	1379	1378	1371	1364	1360
40.0	1317	1313	1317	1311	1302	1297	1291	1290	1289	1286	1276	1270	1265	1261	1258
45.0	1208	1206	1213	1200	1194	1189	1187	1188	1178	1169	1164	1159	1155	1150	1145
50.0	1092	1092	1093	1080	1073	1072	1074	1061	1053	1049	1043	1037	1032	1030	1026
55.0	962	966	961	953	950	949	935	930	924	920	921	912	907	901	896
60.0	826	837	824	815	823	801	796	792	792	789	780	771	766	762	759
65.0	684	696	679	681	667	658	652	653	642	637	630	627	623	620	617
70.0	536	537	528	522	515	512	503	495	489	487	483	480	478	475	473
75.0	380	381	379	366	364	355	348	347	343	341	339	338	336	335	333
80.0	234	226	217	217	212	212	209	209	207	205	203	201	199	197	196
85.0	92.9	76.5	81.9	91.2	88.1	87.0	86.3	88.0	90.0	91.5	92.9	94.1	95.2	96.0	96.8
90.0	7.44	3.26	3.26	3.26	3.21	3.17	3.17	3.12	3.12	3.07	3.07	3.07	3.02	3.02	3.02
95.0	4.99	4.36	4.16	4.05	3.97	3.95	3.88	3.87	3.83	3.78	3.76	3.74	3.71	3.68	3.69
100.0	6.29	5.40	5.01	5.02	4.79	4.69	4.61	4.60	4.52	4.48	4.44	4.42	4.40	4.34	4.35
105.0	6.72	6.30	6.22	5.66	5.67	5.48	5.33	5.28	5.18	5.16	5.11	5.14	5.09	5.00	5.01
110.0	7.97	7.26	6.93	6.75	6.31	6.22	6.24	6.08	6.04	5.95	5.86	5.85	5.76	5.71	5.67
115.0	9.22	8.51	7.85	7.53	7.20	7.16	6.90	6.69	6.70	6.60	6.60	6.44	6.42	6.42	6.32
120.0	9.65	9.03	8.61	8.23	8.25	7.84	7.60	7.63	7.50	7.26	7.32	7.25	7.07	7.08	7.04
125.0	10.9	10.2	9.70	9.15	8.96	8.49	8.57	8.39	8.08	8.08	7.91	7.89	7.70	7.73	7.64
130.0	11.3	10.7	10.2	9.77	9.89	9.45	9.33	8.95	9.07	8.96	8.74	8.51	8.53	8.37	8.36
135.0	12.1	11.6	11.1	10.6	10.5	10.1	9.85	9.81	9.84	9.60	9.33	9.13	9.16	9.11	9.04
140.0	12.5	12.1	11.7	11.2	11.1	11.0	10.8	10.4	10.4	10.1	9.90	9.95	9.77	9.66	9.93
145.0	13.0	12.6	12.4	12.3	12.0	11.5	11.5	11.2	10.9	10.6	10.7	10.5	10.5	10.4	10.5
150.0	13.8	13.4	13.1	12.8	12.4	12.1	11.9	11.6	11.7	11.4	11.2	11.2	11.2	11.3	11.2
155.0	13.8	13.5	13.2	13.0	12.9	12.8	12.6	12.3	12.1	12.1	11.8	11.9	12.1	12.0	11.9
160.0	14.2	14.0	13.8	13.5	13.3	13.1	13.2	12.8	12.8	12.7	12.9	12.8	12.7	12.6	12.5
165.0	14.6	14.4	14.3	14.1	13.9	13.9	14.0	13.9	13.7	13.6	13.5	13.4	13.3	13.2	13.1
170.0	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.9	13.8	13.8
175.0	15.0	15.0	14.9	14.9	14.8	14.8	14.7	14.6	14.6	14.6	14.5	14.5	14.5	14.4	14.4
180.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0

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	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721
5.0	1704	1703	1703	1702	1702	1701	1701	1701	1700	1700	1700	1700	1701	1701	1701
10.0	1685	1685	1684	1683	1682	1681	1679	1678	1677	1675	1674	1673	1672	1672	1671
15.0	1641	1639	1638	1636	1635	1634	1633	1632	1632	1631	1632	1632	1632	1633	1632
20.0	1592	1592	1591	1590	1588	1586	1584	1583	1581	1579	1577	1576	1575	1575	1576
25.0	1523	1521	1519	1517	1515	1513	1513	1512	1512	1513	1515	1517	1513	1511	1508
30.0	1450	1448	1446	1444	1442	1439	1437	1434	1432	1431	1430	1432	1434	1437	1434
35.0	1356	1352	1350	1347	1345	1344	1343	1341	1341	1342	1343	1339	1339	1340	1345
40.0	1256	1254	1252	1251	1249	1247	1245	1243	1241	1240	1238	1238	1240	1239	1238
45.0	1142	1139	1136	1134	1132	1131	1130	1130	1131	1133	1133	1130	1129	1126	1128
50.0	1025	1022	1020	1018	1015	1013	1011	1010	1009	1007	1009	1012	1016	1011	1009
55.0	893	890	888	886	884	883	882	882	881	881	882	879	880	885	894
60.0	757	756	755	753	753	752	751	750	749	747	747	746	746	750	751
65.0	615	613	611	610	610	610	609	610	610	611	613	612	612	610	610
70.0	471	469	468	467	467	466	466	466	466	467	468	469	471	472	471
75.0	332	331	331	330	330	330	330	330	329	329	328	328	328	329	331
80.0	194	194	193	193	193	194	195	195	196	198	199	200	200	200	199
85.0	97.1	97.6	97.8	97.9	98.0	97.7	97.4	96.7	95.9	95.2	94.0	92.8	91.3	89.8	87.9
90.0	2.97	2.97	2.97	2.97	2.97	2.97	3.02	3.02	3.02	3.02	3.07	3.07	3.12	3.12	3.17
95.0	3.64	3.66	3.65	3.65	3.65	3.66	3.69	3.71	3.71	3.77	3.80	3.82	3.90	3.94	4.00
100.0	4.32	4.34	4.32	4.32	4.32	4.34	4.36	4.40	4.42	4.51	4.53	4.56	4.66	4.74	4.86
105.0	4.98	5.02	5.00	4.99	5.00	5.02	5.03	5.09	5.15	5.25	5.25	5.35	5.41	5.54	5.76
110.0	5.65	5.70	5.67	5.66	5.67	5.70	5.70	5.77	5.86	5.98	5.95	6.12	6.21	6.38	6.54
115.0	6.37	6.38	6.35	6.34	6.35	6.38	6.40	6.45	6.55	6.69	6.70	6.83	6.92	7.09	7.26
120.0	7.13	7.06	7.02	7.01	7.02	7.06	7.13	7.12	7.24	7.34	7.58	7.51	7.78	7.90	8.11
125.0	7.81	7.74	7.70	7.68	7.70	7.74	7.81	7.78	7.91	8.04	8.28	8.20	8.44	8.57	8.88
130.0	8.49	8.41	8.37	8.35	8.37	8.41	8.49	8.44	8.57	8.74	8.95	9.20	9.06	9.38	9.52
135.0	9.16	9.09	9.04	9.03	9.04	9.09	9.16	9.09	9.22	9.39	9.60	9.84	10.1	9.95	10.3
140.0	9.83	9.76	9.71	9.70	9.71	9.76	9.83	9.93	9.86	10.0	10.2	10.3	10.7	11.0	10.8
145.0	10.5	10.4	10.3	10.3	10.3	10.4	10.5	10.5	10.4	10.6	10.8	11.0	11.2	11.5	11.8
150.0	11.1	11.1	11.0	11.0	11.0	11.1	11.1	11.2	11.3	11.2	11.4	11.6	11.8	12.0	12.2
155.0	11.8	11.7	11.7	11.7	11.7	11.7	11.8	11.9	12.0	12.1	11.9	12.1	12.3	12.5	12.7
160.0	12.4	12.4	12.4	12.3	12.4	12.4	12.4	12.5	12.6	12.7	12.8	12.9	12.8	12.9	13.1
165.0	13.1	13.0	13.0	13.0	13.0	13.0	13.1	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.9
170.0	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.8	13.8	13.9	13.9	14.0	14.1	14.2	14.3
175.0	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.5	14.6	14.6	14.6
180.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0

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	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721
5.0	1702	1703	1704	1705	1706	1708	1709	1708	1707	1707	1706	1706	1706	1706	1706
10.0	1672	1673	1674	1676	1678	1681	1684	1682	1681	1680	1679	1680	1680	1681	1682
15.0	1630	1630	1631	1632	1635	1639	1644	1641	1639	1638	1638	1639	1641	1644	1647
20.0	1578	1577	1577	1577	1580	1584	1591	1587	1584	1584	1586	1589	1592	1591	1592
25.0	1507	1508	1509	1508	1511	1516	1524	1518	1516	1516	1519	1520	1521	1524	1529
30.0	1430	1429	1430	1430	1431	1437	1447	1440	1437	1438	1440	1441	1444	1450	1456
35.0	1349	1341	1337	1338	1338	1343	1354	1346	1343	1346	1346	1352	1361	1360	1358
40.0	1242	1249	1240	1237	1238	1242	1254	1245	1243	1243	1247	1256	1253	1252	1257
45.0	1128	1133	1137	1125	1123	1127	1140	1128	1126	1129	1140	1139	1137	1140	1141
50.0	1007	1006	1013	1011	1003	1005	1019	1005	1005	1010	1014	1010	1014	1018	1023
55.0	883	879	880	897	876	873	900	873	874	895	877	879	885	896	891
60.0	757	749	724	747	740	725	751	723	733	739	721	744	754	753	756
65.0	610	611	607	602	610	587	600	583	598	590	595	601	604	608	613
70.0	466	464	466	456	453	445	452	436	438	439	448	450	456	465	472
75.0	331	329	320	319	310	308	301	294	292	297	300	311	318	324	328
80.0	197	198	197	191	177	165	162	153	160	169	176	181	185	192	199
85.0	86.0	84.5	83.3	74.2	68.5	42.1	35.5	42.9	55.7	59.7	68.4	71.4	74.5	82.7	88.7
90.0	3.17	3.21	3.17	3.26	3.84	3.50	3.98	3.98	3.89	3.79	3.79	3.93	3.98	4.03	4.08
95.0	4.07	4.17	4.37	4.61	4.38	4.60	4.41	3.62	4.14	4.09	4.26	4.33	4.43	4.53	4.53
100.0	4.94	5.11	5.44	5.84	6.23	5.36	4.75	4.50	4.29	4.40	4.67	4.70	4.91	5.02	4.96
105.0	5.87	6.12	6.32	6.97	7.59	8.45	5.09	5.06	4.84	5.17	5.18	5.23	5.42	5.47	5.51
110.0	6.70	6.88	7.43	7.67	8.48	9.44	6.82	6.18	5.75	5.72	5.78	5.91	6.11	5.95	5.97
115.0	7.66	7.76	8.07	8.73	9.13	9.70	6.96	6.61	6.27	6.33	6.51	6.74	6.52	6.52	6.55
120.0	8.31	8.80	9.00	9.49	9.85	10.6	7.87	7.52	7.37	7.27	7.45	7.15	7.01	7.13	7.01
125.0	9.14	9.36	9.88	10.4	10.8	11.2	9.22	8.81	8.42	8.05	7.77	7.76	7.74	7.54	7.54
130.0	9.90	10.1	10.6	10.9	11.3	12.0	9.27	8.93	8.60	8.64	8.36	8.38	8.21	8.13	8.12
135.0	10.6	10.8	11.2	11.4	11.9	12.5	10.1	9.85	9.52	9.20	9.02	8.92	8.72	8.70	8.48
140.0	11.1	11.5	11.9	12.2	12.4	12.9	10.5	10.2	10.0	9.70	9.71	9.50	9.25	9.02	8.67
145.0	12.1	12.1	12.2	12.6	13.0	13.4	11.0	10.7	10.4	10.2	9.96	9.73	9.25	9.31	9.13
150.0	12.4	12.9	13.2	13.5	13.9	14.3	10.5	10.4	10.3	10.3	10.1	9.94	9.76	9.59	9.77
155.0	12.9	13.2	13.5	13.7	13.8	14.0	11.0	10.8	10.6	10.4	10.5	10.5	10.3	10.2	9.76
160.0	13.3	13.5	13.7	14.0	14.2	14.4	11.4	11.2	11.0	10.7	10.5	10.3	10.5	10.2	10.0
165.0	14.0	14.0	14.0	14.1	14.3	14.5	11.0	10.9	10.8	10.7	10.6	10.6	10.5	10.4	10.2
170.0	14.4	14.5	14.6	14.7	14.8	14.9	10.7	10.6	10.5	10.4	10.2	10.1	10.0	10.0	9.86
175.0	14.7	14.8	14.8	14.9	14.9	15.0	8.88	8.84	8.75	8.62	8.45	8.23	7.98	7.69	7.45
180.0	15.0	15.0	15.0	15.0	15.0	15.0	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

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	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721
5.0	1706	1707	1707	1707	1708	1708	1709	1709	1710	1710	1711	1712	1712	1712	1712
10.0	1684	1685	1687	1689	1691	1693	1695	1697	1698	1699	1701	1701	1702	1702	1701
15.0	1648	1649	1650	1651	1652	1653	1655	1656	1658	1659	1661	1662	1663	1665	1667
20.0	1593	1595	1598	1602	1606	1609	1612	1615	1617	1619	1621	1621	1622	1623	1623
25.0	1533	1539	1539	1539	1539	1542	1543	1545	1547	1550	1553	1555	1557	1559	1562
30.0	1455	1455	1456	1458	1462	1466	1470	1474	1477	1481	1484	1486	1488	1489	1490
35.0	1360	1363	1370	1371	1372	1375	1379	1382	1385	1388	1391	1394	1397	1401	1405
40.0	1260	1261	1264	1269	1273	1278	1283	1288	1291	1295	1297	1300	1302	1303	1305
45.0	1147	1153	1159	1163	1164	1165	1168	1172	1175	1178	1182	1185	1189	1192	1197
50.0	1031	1032	1033	1035	1040	1045	1049	1054	1058	1062	1065	1069	1071	1074	1076
55.0	894	897	904	908	911	916	920	924	928	932	935	938	941	945	949
60.0	757	762	768	774	779	784	789	794	797	801	804	806	808	810	812
65.0	617	626	633	636	639	643	646	649	652	656	659	661	664	667	669
70.0	477	481	484	489	493	497	500	504	507	510	513	515	518	520	521
75.0	332	338	343	349	353	358	361	365	368	371	373	375	376	378	379
80.0	203	208	212	216	219	221	224	227	229	231	233	235	236	238	239
85.0	93.6	98.2	102	106	108	111	113	115	117	118	120	121	122	123	123
90.0	4.13	4.08	4.08	4.08	4.08	4.08	4.17	4.27	4.56	5.14	6.38	8.02	9.51	10.8	12.0
95.0	4.60	4.56	4.55	4.50	4.50	4.51	4.57	4.64	4.80	5.09	5.73	6.52	7.23	7.80	8.41
100.0	5.07	5.05	5.01	4.94	4.92	4.95	4.97	5.00	5.04	5.04	5.08	5.04	4.98	4.78	4.77
105.0	5.52	5.49	5.47	5.40	5.34	5.36	5.37	5.36	5.26	4.99	4.47	3.64	2.80	1.91	1.18
110.0	5.99	6.01	5.92	5.83	5.82	5.75	5.76	5.70	5.46	4.94	3.93	2.34	0.77	0.00	0.00
115.0	6.49	6.49	6.36	6.25	6.30	6.16	6.18	6.03	5.64	4.90	3.47	1.22	0.00	0.00	0.00
120.0	6.95	6.92	6.65	6.67	6.73	6.67	6.60	6.38	5.78	4.85	3.13	0.14	0.00	0.00	0.00
125.0	7.52	7.34	7.19	7.07	7.16	7.03	6.99	6.74	5.87	4.80	2.92	0.00	0.00	0.00	0.00
130.0	7.91	7.62	7.59	7.68	7.42	7.39	7.29	7.03	5.95	4.75	2.60	0.00	0.00	0.00	0.00
135.0	8.02	8.12	7.99	8.09	7.94	7.77	7.59	7.26	6.01	4.70	2.14	0.00	0.00	0.00	0.00
140.0	8.64	8.48	8.61	8.28	8.23	8.20	7.86	7.45	6.04	4.66	1.66	0.00	0.00	0.00	0.00
145.0	8.99	9.13	8.80	8.85	8.60	8.42	8.10	7.53	6.02	4.61	1.36	0.00	0.00	0.00	0.00
150.0	9.62	9.21	9.32	9.05	9.02	8.67	8.32	7.45	5.95	4.56	1.46	0.00	0.00	0.00	0.00
155.0	9.85	9.58	9.49	9.45	9.11	8.81	8.33	7.03	5.84	4.51	1.69	0.02	0.00	0.00	0.00
160.0	9.98	9.94	9.66	9.45	9.18	8.77	8.00	6.67	5.79	4.46	2.08	0.00	0.00	0.00	0.00
165.0	9.98	9.78	9.56	9.36	8.95	8.25	7.09	6.29	5.74	4.41	2.62	0.23	0.00	0.00	0.00
170.0	9.61	9.35	8.98	8.45	7.60	6.96	6.39	5.92	5.53	4.37	3.20	1.55	0.00	0.00	0.00
175.0	7.22	6.98	6.72	6.44	6.16	5.99	5.85	5.57	4.95	4.32	3.69	3.07	2.24	1.33	0.46
180.0	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

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)	300	305	310	315	320	325	330	335	340	345	350	355
0.0	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721
5.0	1713	1713	1714	1714	1714	1715	1715	1715	1716	1716	1717	1717
10.0	1701	1701	1701	1700	1700	1699	1699	1698	1698	1699	1700	1701
15.0	1669	1671	1673	1676	1678	1675	1672	1670	1669	1668	1668	1669
20.0	1623	1623	1624	1625	1628	1631	1635	1633	1629	1626	1624	1625
25.0	1564	1567	1570	1569	1569	1570	1573	1576	1576	1571	1567	1566
30.0	1491	1492	1494	1497	1500	1499	1498	1501	1506	1505	1498	1495
35.0	1410	1414	1414	1411	1412	1415	1418	1417	1419	1426	1417	1411
40.0	1308	1311	1314	1321	1321	1320	1318	1321	1321	1326	1326	1318
45.0	1202	1204	1204	1206	1212	1218	1214	1214	1216	1216	1223	1211
50.0	1078	1081	1084	1089	1089	1093	1101	1095	1095	1096	1104	1097
55.0	952	956	957	961	961	964	964	972	969	970	973	971
60.0	813	815	818	828	828	825	827	830	842	832	835	842
65.0	671	674	675	677	679	685	684	685	689	694	693	702
70.0	523	524	526	527	527	529	531	536	536	538	539	543
75.0	379	379	379	379	378	379	377	379	383	382	387	388
80.0	240	241	241	240	240	238	235	234	233	235	237	239
85.0	123	122	120	118	116	113	111	110	106	107	105	114
90.0	13.1	13.4	13.2	12.6	11.9	11.0	10.0	9.03	8.02	7.15	6.72	4.75
95.0	9.06	9.32	9.12	8.71	8.19	7.64	6.99	6.54	6.33	6.27	6.77	9.26
100.0	4.96	5.17	5.01	4.78	4.46	4.10	3.71	3.69	4.18	4.78	5.67	6.77
105.0	0.91	0.99	0.82	0.68	0.65	0.36	0.33	0.39	1.04	2.13	2.82	3.21
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	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27

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  
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