

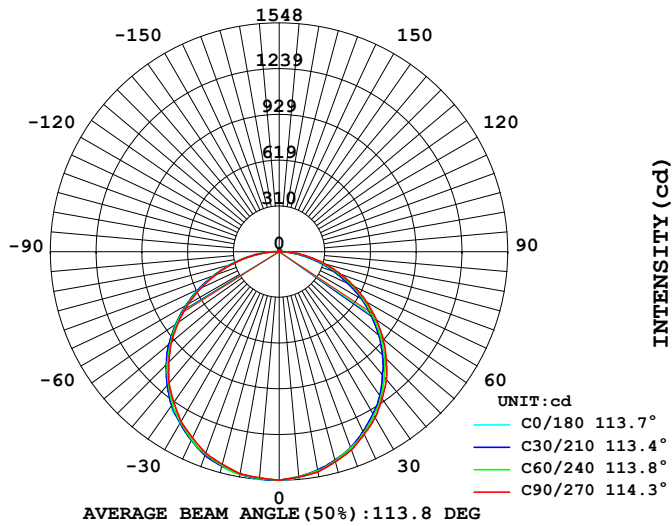
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

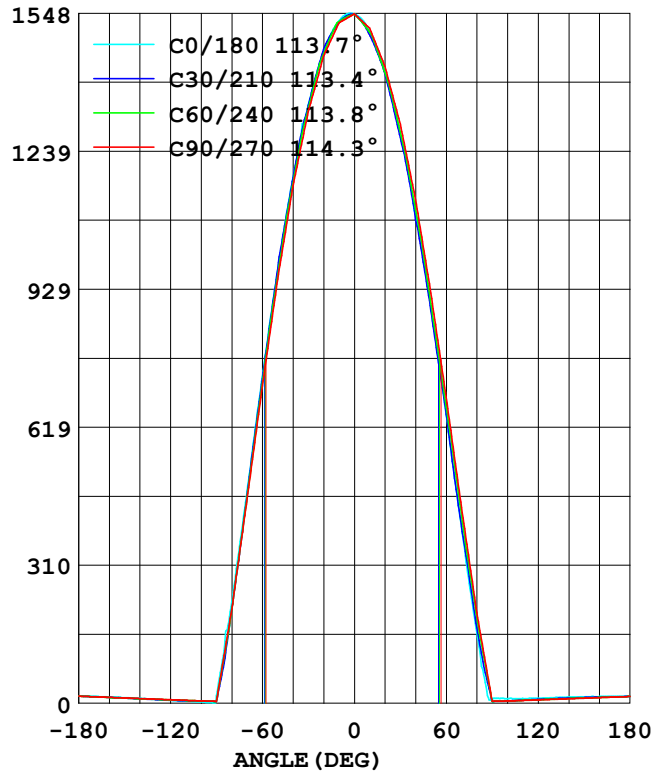
MANUFACTURER:	Address:		
NAME:	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax (cd)	1548	S/MH (C0/180)	1.29
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.27
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	4525.5	Voltage (V)	120.4
RATED VOLTAGE (V)	120	EFFICIENCY (lm/W)	112.0	Current (A)	0.200
NOMINAL FLUX (lm)	4525.6	η up (%)	1.2	Power (W)	40.41
LAMPS QUANTITY	1	η down (%)	98.8	Power Factor (PF)	0.932
TEST VOLTAGE (V)	120.4	Effective Flux (lm)	0.0	EET	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



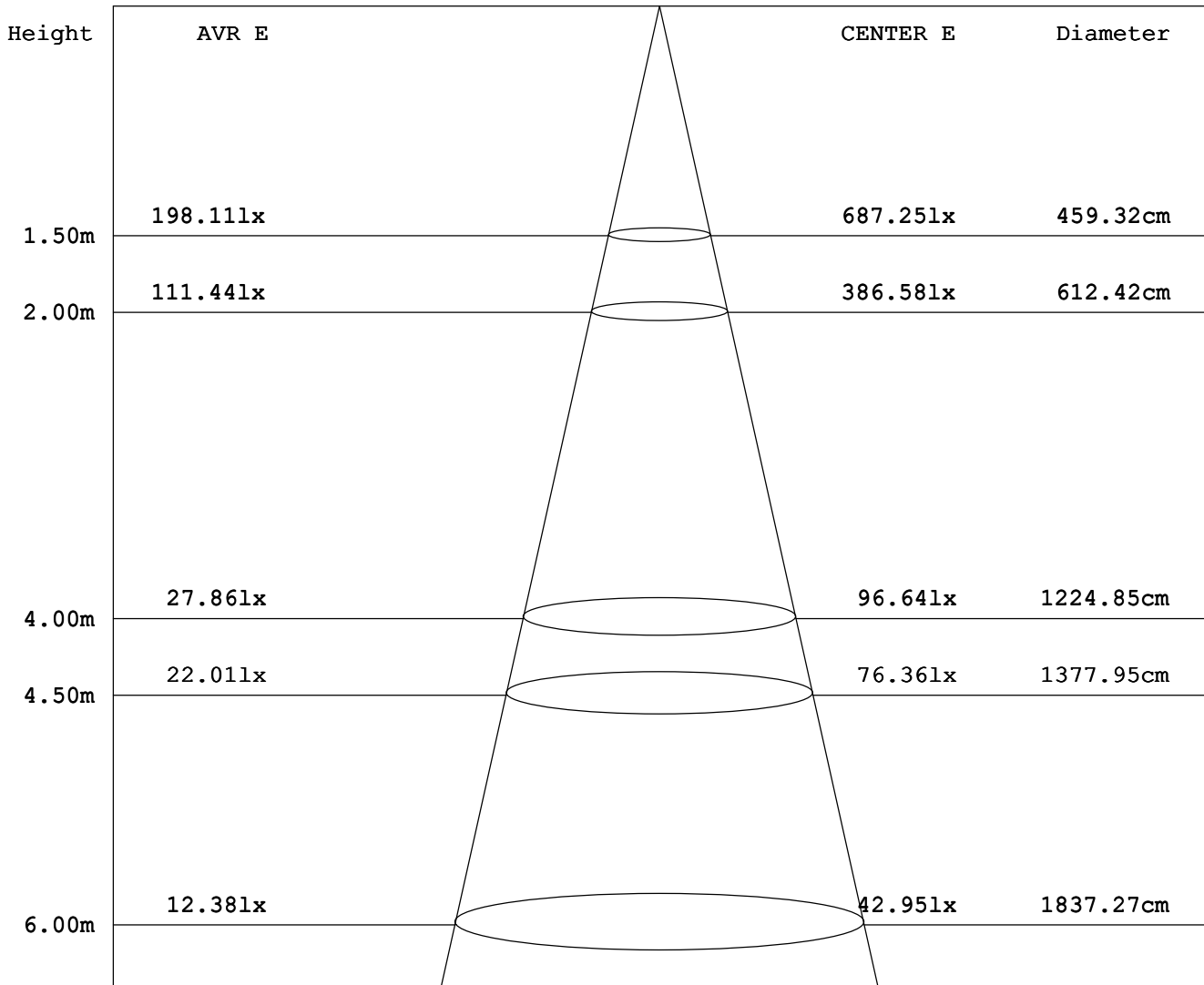
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

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:113.7deg

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	1546	1541	1536	1532	1534	1527	1530	1536	0- 5	36.80	36.80
10.0	1531	1529	1527	1511	1508	1502	1514	1519	5- 10	109.1	145.9
15.0	1503	1504	1490	1480	1469	1466	1472	1492	10- 15	177.9	323.8
20.0	1462	1459	1453	1427	1417	1409	1429	1443	15- 20	240.5	564.3
25.0	1408	1407	1390	1371	1354	1349	1364	1388	20- 25	295.2	859.5
30.0	1343	1340	1328	1299	1278	1274	1299	1319	25- 30	340.0	1200
35.0	1267	1261	1244	1217	1193	1190	1215	1239	30- 35	373.9	1574
40.0	1180	1176	1161	1131	1102	1101	1130	1154	35- 40	394.9	1969
45.0	1083	1074	1057	1027	998.3	997.5	1025	1053	40- 45	403.3	2372
50.0	972.3	968.7	952.0	924.4	888.8	894.1	919.8	948.8	45- 50	398.0	2770
55.0	859.1	847.5	831.8	805.2	768.0	772.0	802.8	830.3	50- 55	379.5	3149
60.0	734.0	727.6	711.6	686.6	646.0	651.0	685.8	713.0	55- 60	348.3	3498
65.0	607.4	594.3	584.9	563.7	517.2	533.0	562.4	582.8	60- 65	306.5	3804
70.0	476.0	463.5	458.2	440.1	393.6	412.4	439.0	455.7	65- 70	255.5	4060
75.0	350.9	335.1	334.3	317.9	269.2	290.9	320.8	332.8	70- 75	198.6	4259
80.0	227.6	210.3	210.3	204.0	158.2	183.5	202.7	212.6	75- 80	138.8	4397
85.0	118.2	98.91	107.2	99.98	55.29	88.25	103.6	102.8	80- 85	79.94	4477
90.0	16.86	3.937	4.215	4.936	7.099	4.325	4.603	5.657	85- 90	26.66	4504
95.0	2.052	4.720	4.769	4.866	10.64	4.682	4.852	5.070	90- 95	2.599	4507
100.0	2.994	5.310	5.324	5.364	10.70	5.294	5.102	5.066	95-100	2.797	4509
105.0	3.882	5.817	5.989	6.247	10.75	6.013	5.740	5.481	100-105	3.071	4512
110.0	4.825	6.283	6.655	7.174	10.81	6.731	6.378	5.957	105-110	3.330	4516
115.0	5.767	6.808	7.320	7.940	10.92	7.495	7.015	6.438	110-115	3.555	4519
120.0	7.099	7.385	7.986	8.840	11.09	8.259	7.653	6.988	115-120	3.741	4523
125.0	7.598	7.969	8.651	9.612	12.14	8.903	8.291	7.576	120-125	3.875	4527
130.0	8.984	8.696	9.317	10.35	12.31	9.625	8.929	8.077	125-130	3.966	4531
135.0	9.927	9.431	9.982	11.24	13.25	10.20	9.567	8.905	130-135	3.986	4535
140.0	10.87	10.12	10.64	11.94	13.75	11.00	10.20	9.585	135-140	3.918	4539
145.0	11.81	10.88	11.31	12.59	14.25	11.81	10.84	10.36	140-145	3.761	4543
150.0	12.75	11.67	11.97	13.49	14.30	12.19	11.48	10.91	145-150	3.524	4546
155.0	13.25	12.46	12.64	13.77	15.19	12.92	12.11	11.76	150-155	3.201	4549
160.0	14.14	13.26	13.31	14.66	15.25	13.41	12.75	12.68	155-160	2.787	4552
165.0	15.02	13.77	13.97	15.05	15.25	13.93	13.39	13.31	160-165	2.293	4554
170.0	15.08	14.62	14.64	15.77	15.30	14.40	14.03	13.99	165-170	1.719	4556
175.0	15.97	15.50	15.30	15.92	15.30	14.85	14.66	14.85	170-175	1.075	4557
180.0	15.97	15.97	15.97	15.97	15.30	15.30	15.30	15.30	175-180	0.370	4558
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

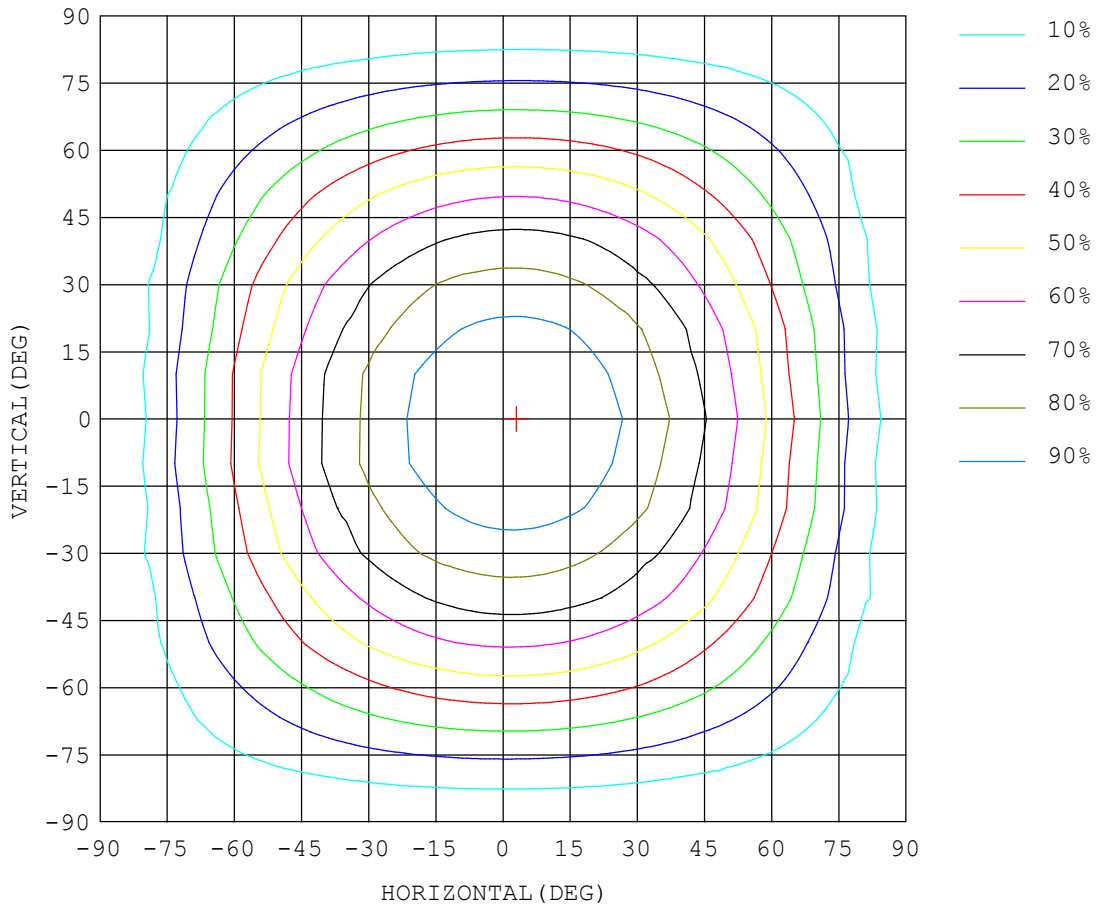
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



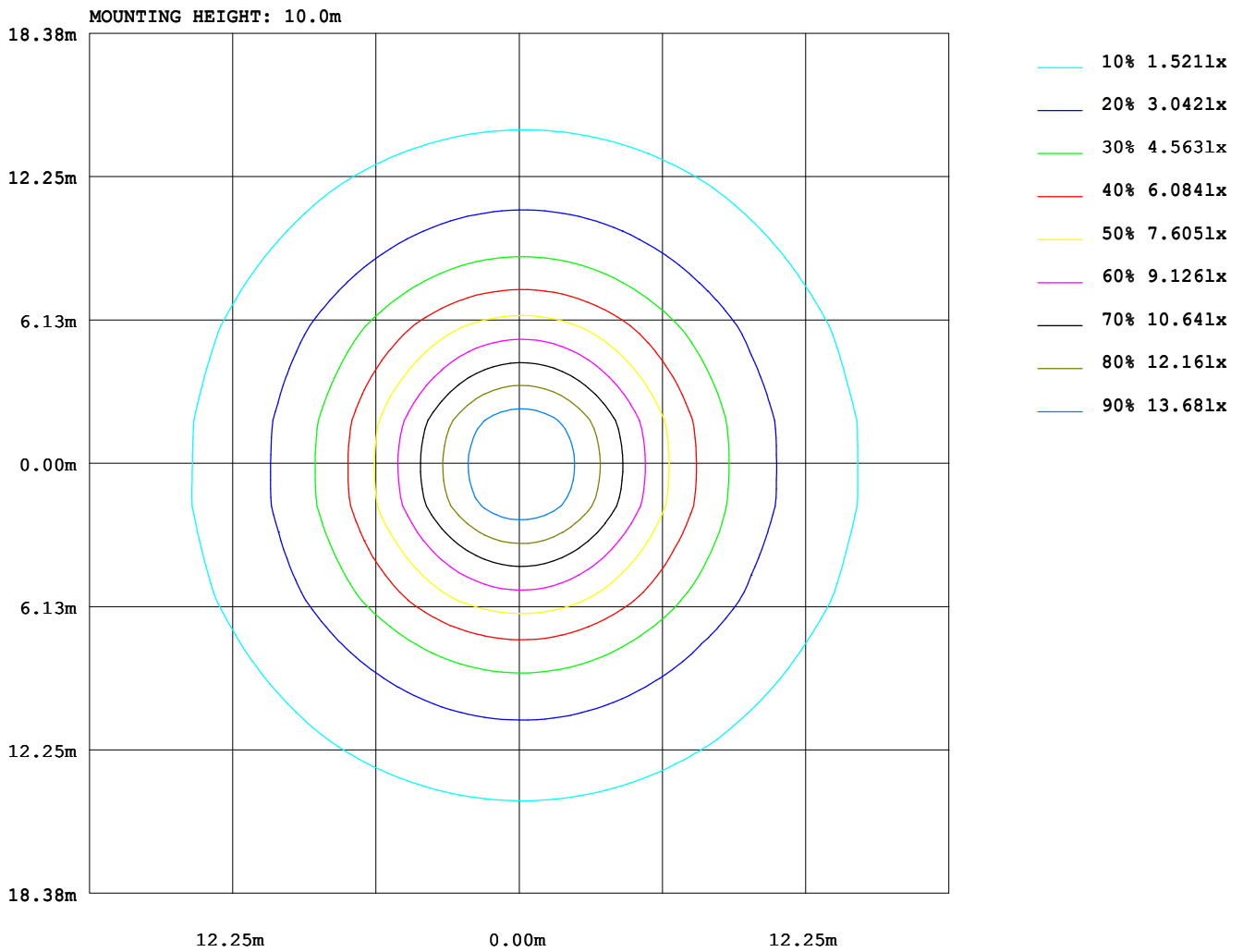
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

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		Φt	Φa		
VERTICAL (DEG)	90	0.01	0.03	0.05	0.07	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.15	0.14	0.13	0.11	0.08	0.05	0.01	1.67	0.00		
	80	0.02	0.27	1.08	2.31	3.85	5.52	7.06	8.28	9.01	9.15	8.67	7.64	6.22	4.60	2.97	1.58	0.58	0.08	78.9	71.8		
	70	0.05	0.68	2.26	4.55	7.40	10.4	13.2	15.4	16.7	16.8	15.9	14.0	11.3	8.33	5.39	2.88	1.04	0.14	147	145		
	60	0.07	1.00	3.27	6.64	10.8	15.2	19.2	22.4	24.2	24.4	23.1	20.3	16.5	12.1	7.83	4.14	1.56	0.20	213	212		
	50	0.11	1.41	4.33	8.75	14.1	19.8	24.9	28.8	31.1	31.3	29.5	25.9	21.0	15.4	9.93	5.23	1.91	0.23	274	274		
	40	0.12	1.62	5.11	10.3	16.7	23.4	29.5	34.2	37.0	37.4	35.3	31.2	25.4	18.7	12.1	6.41	2.37	0.35	328	327		
	30	0.20	2.04	6.06	12.1	19.3	26.8	33.6	38.8	41.6	41.8	39.3	34.5	28.1	20.6	13.2	6.97	2.53	0.33	369	368		
		0.17	2.00	6.25	12.6	20.3	28.3	35.6	41.3	44.7	45.2	42.7	37.8	30.8	22.8	14.8	7.88	2.91	0.45	397	397		
		0.27	2.28	6.86	13.6	21.8	30.2	37.9	43.5	46.8	47.0	44.3	38.8	31.4	23.1	14.9	7.85	2.84	0.39	414	414		
		0.20	2.13	6.60	13.2	21.4	29.5	37.3	43.3	46.8	47.3	44.7	39.4	32.3	23.9	15.5	8.23	3.04	0.47	416	416		
		0.27	2.26	6.77	13.4	21.3	29.6	36.9	42.5	45.6	45.8	43.1	37.8	30.5	22.3	14.4	7.57	2.72	0.37	404	403		
	-30	0.18	1.93	5.96	12.0	19.3	26.8	33.8	39.2	42.4	42.8	40.5	35.8	29.2	21.6	13.9	7.41	2.73	0.42	376	376		
	-40	0.24	1.92	5.66	11.2	17.8	24.7	30.9	35.6	38.0	38.2	35.9	31.4	25.3	18.6	11.9	6.20	2.22	0.29	337	336		
	-50	0.13	1.48	4.50	9.04	14.6	20.4	25.7	29.8	32.2	32.6	30.7	27.1	22.0	16.2	10.4	5.49	2.02	0.32	285	284		
	-60	0.16	1.32	3.78	7.46	11.8	16.4	20.6	23.7	25.5	25.5	24.0	20.9	16.8	12.2	7.75	4.01	1.44	0.16	224	223		
	-70	0.08	0.83	2.50	4.95	7.96	11.1	14.0	16.3	17.7	17.8	16.8	14.7	11.9	8.75	5.60	2.94	1.10	0.16	156	154		
	-80	0.07	0.55	1.56	2.98	4.70	6.49	8.11	9.33	10.0	9.99	9.33	8.10	6.47	4.67	2.95	1.53	0.53	0.05	87.4	81.3		
	-90	0.01	0.14	0.43	0.82	1.29	1.75	2.17	2.49	2.67	2.67	2.49	2.15	1.72	1.25	0.76	0.38	0.11	0.01	23.3	6.05		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φt		2.36	23.9	73.1	146	235	327	411	476	513	517	487	428	348	256	165	86.8	31.7	4.42	4558			
Φa		0.32	19.6	69.5	143	233	325	410	474	511	515	486	427	346	254	162	83.9	28.6	2.20		4439		

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:

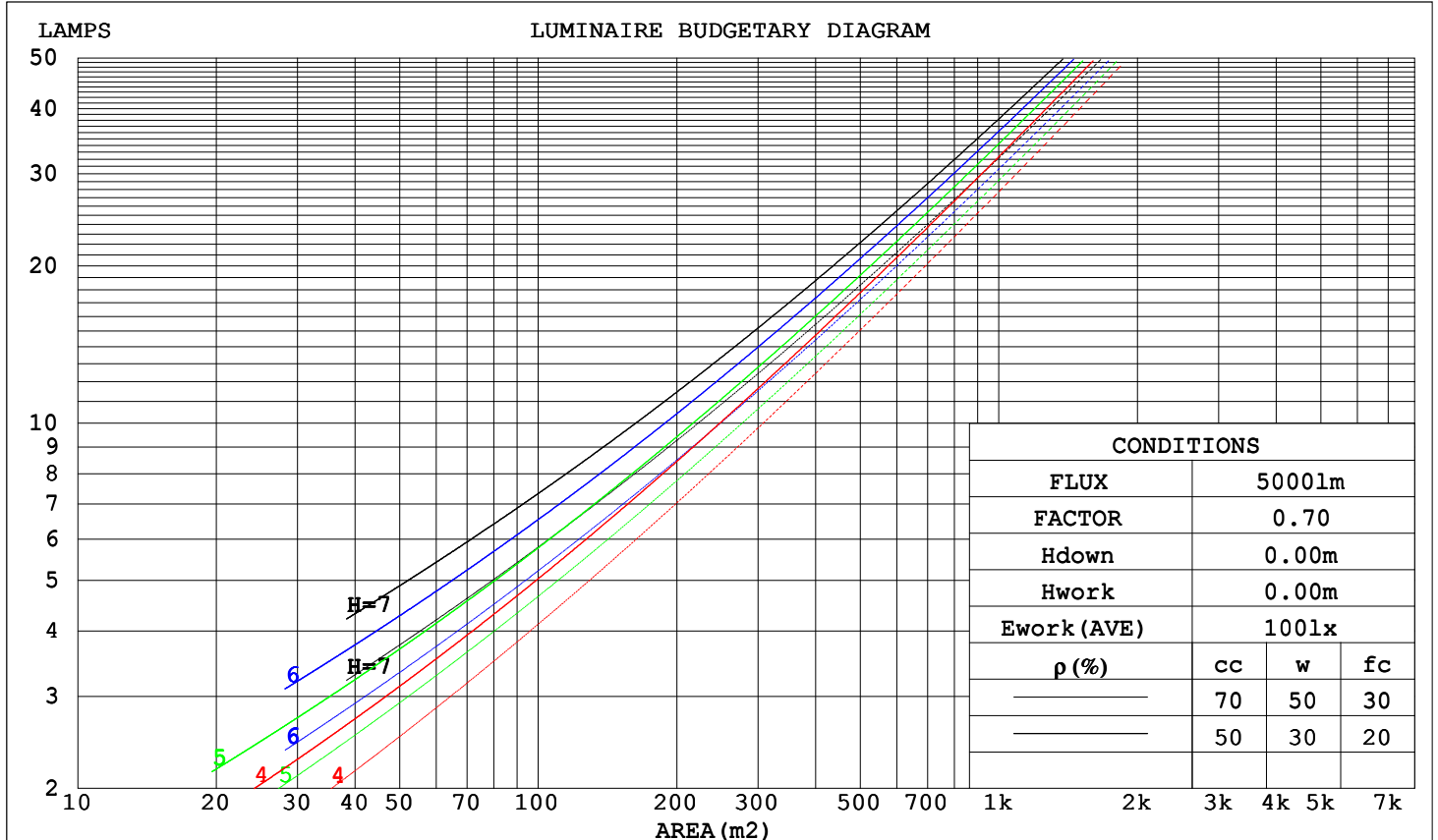
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.02	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.74	.81	.76	.73	.78	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.69	.64	.60	.57
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.25	.36	.30	.25	.23



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 _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.319	.182	.058	.312	.178	.057	.298	.171	.055	.285	.164	.053	.273	.158	.051	
2.0	.298	.164	.050	.292	.161	.050	.279	.155	.048	.268	.150	.047	.257	.145	.046	
3.0	.275	.146	.044	.269	.144	.043	.258	.140	.043	.248	.136	.042	.238	.132	.041	
4.0	.253	.132	.039	.248	.130	.038	.238	.126	.038	.229	.123	.037	.221	.120	.037	
5.0	.234	.119	.034	.229	.118	.034	.220	.115	.034	.212	.112	.033	.205	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	
7.0	.201	.099	.028	.198	.098	.028	.191	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.188	.092	.026	.184	.091	.026	.178	.089	.025	.172	.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	.157	.077	.022	.153	.076	.022	.148	.074	.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 _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.191	.166	.144	.164	.143	.124	.112	.098	.086	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.107	.157	.122	.093	.108	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.175	.124	.084	.150	.107	.072	.103	.075	.051	.060	.044	.030	.019	.014	.010	
4.0	.168	.111	.068	.144	.096	.059	.099	.067	.041	.057	.039	.024	.018	.013	.008	
5.0	.160	.101	.057	.138	.087	.049	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.092	.049	.131	.080	.042	.091	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.146	.085	.043	.126	.074	.037	.087	.052	.026	.050	.031	.016	.016	.010	.005	
8.0	.140	.079	.038	.120	.069	.033	.083	.048	.024	.048	.029	.014	.016	.009	.005	
9.0	.133	.074	.035	.115	.065	.030	.080	.045	.021	.046	.027	.013	.015	.009	.004	
10.0	.128	.070	.032	.110	.061	.028	.076	.043	.020	.045	.025	.012	.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	17.9	19.5	18.2	19.7	19.9	17.8	19.3	18.1	19.5	19.8
	3H	19.6	21.0	19.9	21.2	21.5	19.4	20.8	19.7	21.0	21.3
	4H	20.3	21.6	20.6	21.9	22.2	20.1	21.4	20.4	21.7	21.9
	6H	20.8	22.1	21.2	22.4	22.7	20.6	21.8	20.9	22.1	22.4
	8H	21.0	22.2	21.4	22.5	22.9	20.8	22.0	21.1	22.3	22.6
	12H	21.2	22.4	21.6	22.7	23.0	20.9	22.1	21.3	22.4	22.7
4H	2H	18.5	19.9	18.9	20.2	20.4	18.4	19.8	18.8	20.0	20.3
	3H	20.4	21.5	20.7	21.8	22.2	20.2	21.4	20.6	21.7	22.0
	4H	21.2	22.2	21.6	22.6	22.9	21.0	22.1	21.4	22.4	22.8
	6H	21.8	22.8	22.3	23.2	23.6	21.7	22.6	22.1	23.0	23.4
	8H	22.1	23.0	22.5	23.4	23.8	21.9	22.8	22.4	23.2	23.6
	12H	22.3	23.1	22.8	23.6	24.0	22.1	22.9	22.6	23.3	23.8
8H	4H	21.5	22.3	21.9	22.7	23.1	21.3	22.2	21.8	22.6	23.0
	6H	22.3	23.0	22.7	23.4	23.9	22.1	22.9	22.6	23.3	23.8
	8H	22.6	23.3	23.1	23.7	24.2	22.5	23.1	23.0	23.6	24.1
	12H	22.9	23.5	23.4	24.0	24.5	22.8	23.4	23.3	23.8	24.3
12H	4H	21.5	22.3	21.9	22.7	23.1	21.3	22.2	21.8	22.6	23.0
	6H	22.3	23.0	22.8	23.4	23.9	22.2	22.9	22.7	23.3	23.8
	8H	22.7	23.3	23.2	23.8	24.3	22.6	23.2	23.1	23.6	24.1

Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 4526 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.2)

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:

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

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	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	56	72	65	56	48
1.25	83	72	65	81	71	64	78	70	63	56
1.50	88	78	70	86	77	70	83	75	69	61
2.00	95	86	79	93	85	78	89	82	77	69
2.50	99	91	84	97	89	84	93	86	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	96	104	99	94	99	95	91	82
5.00	109	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

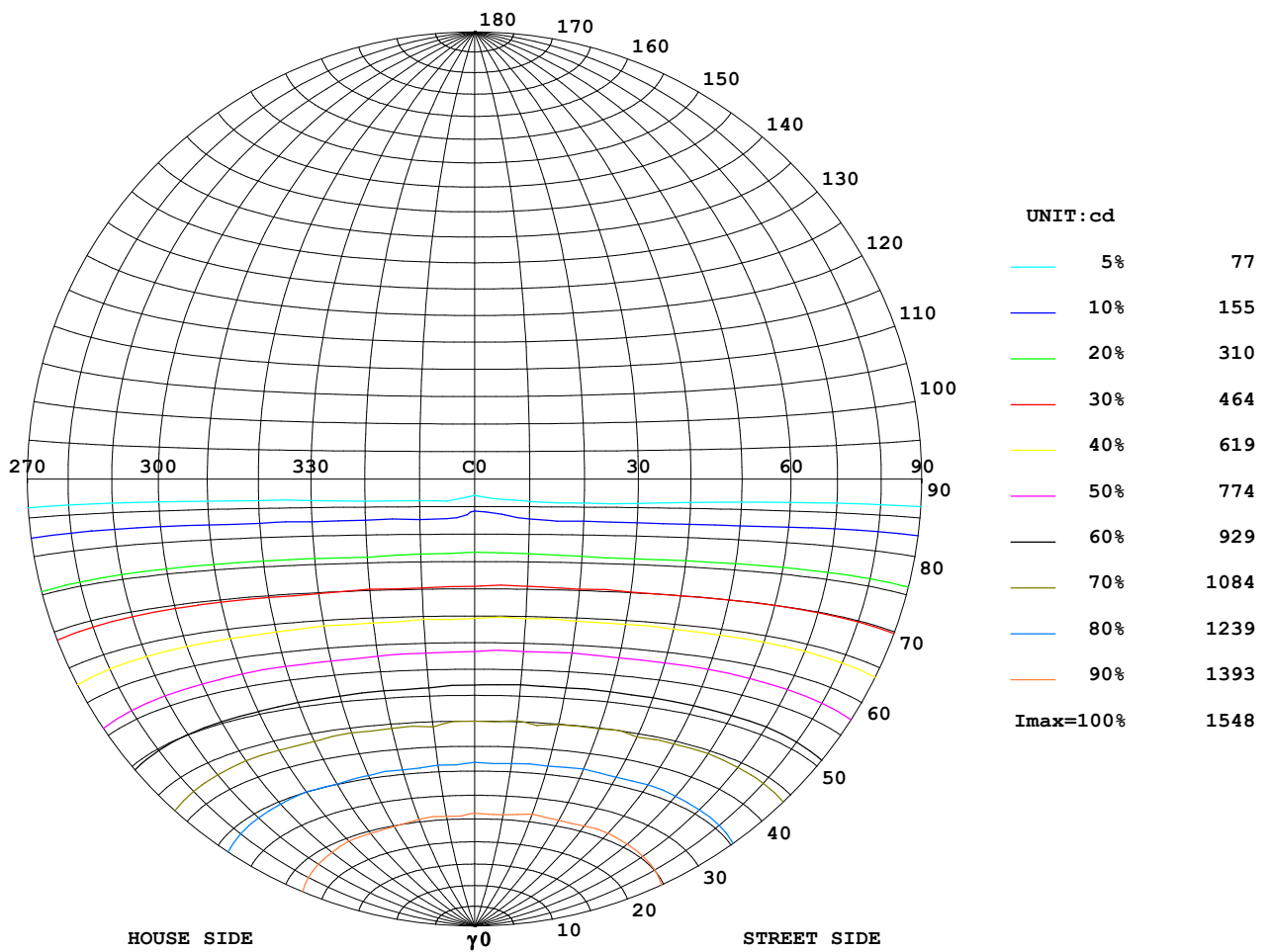
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

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

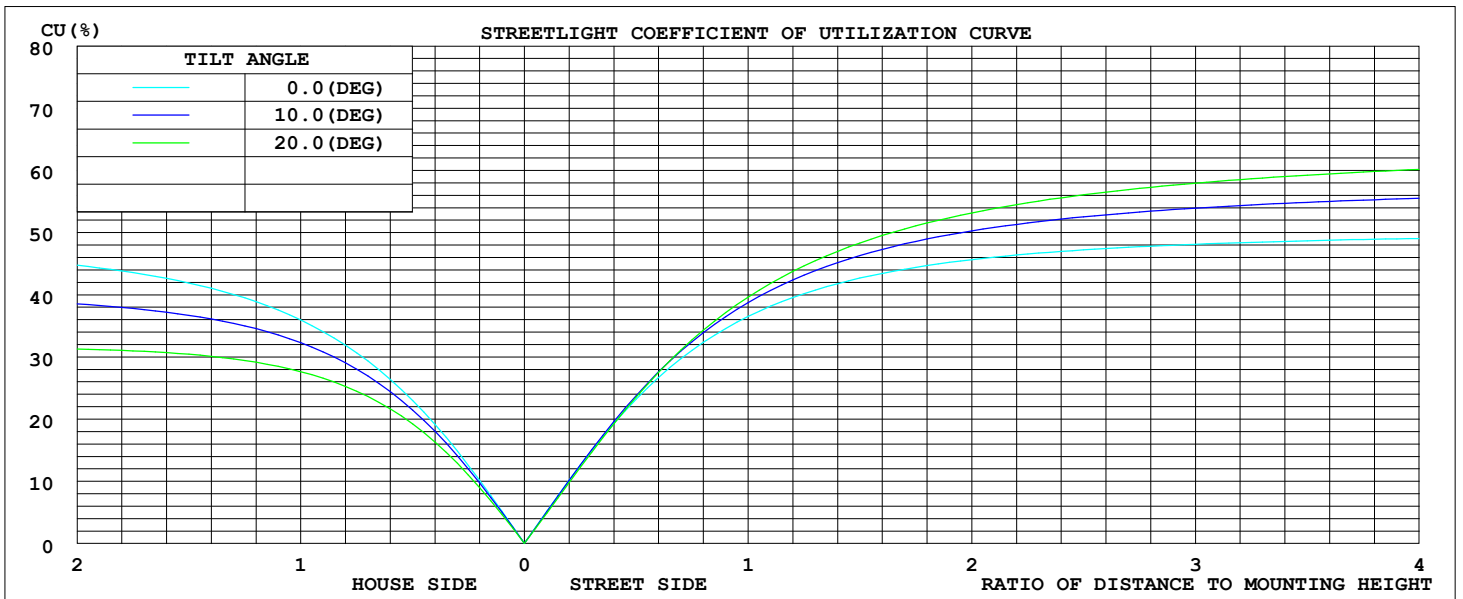
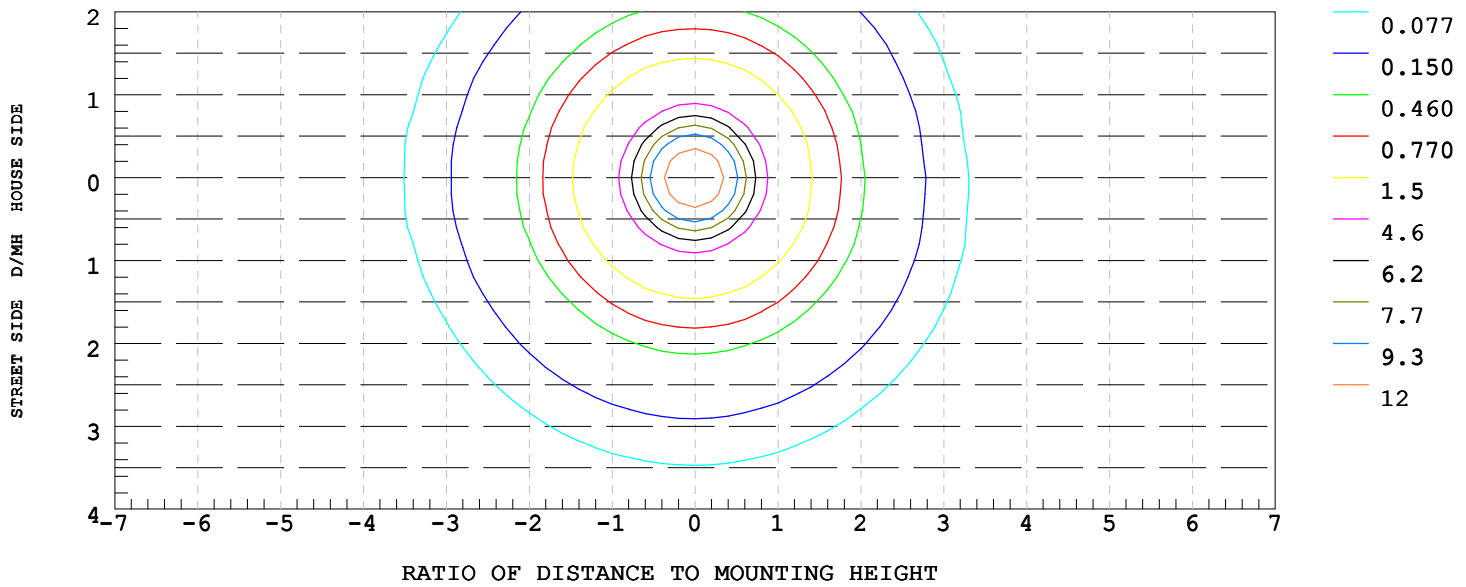
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 15.46 lx



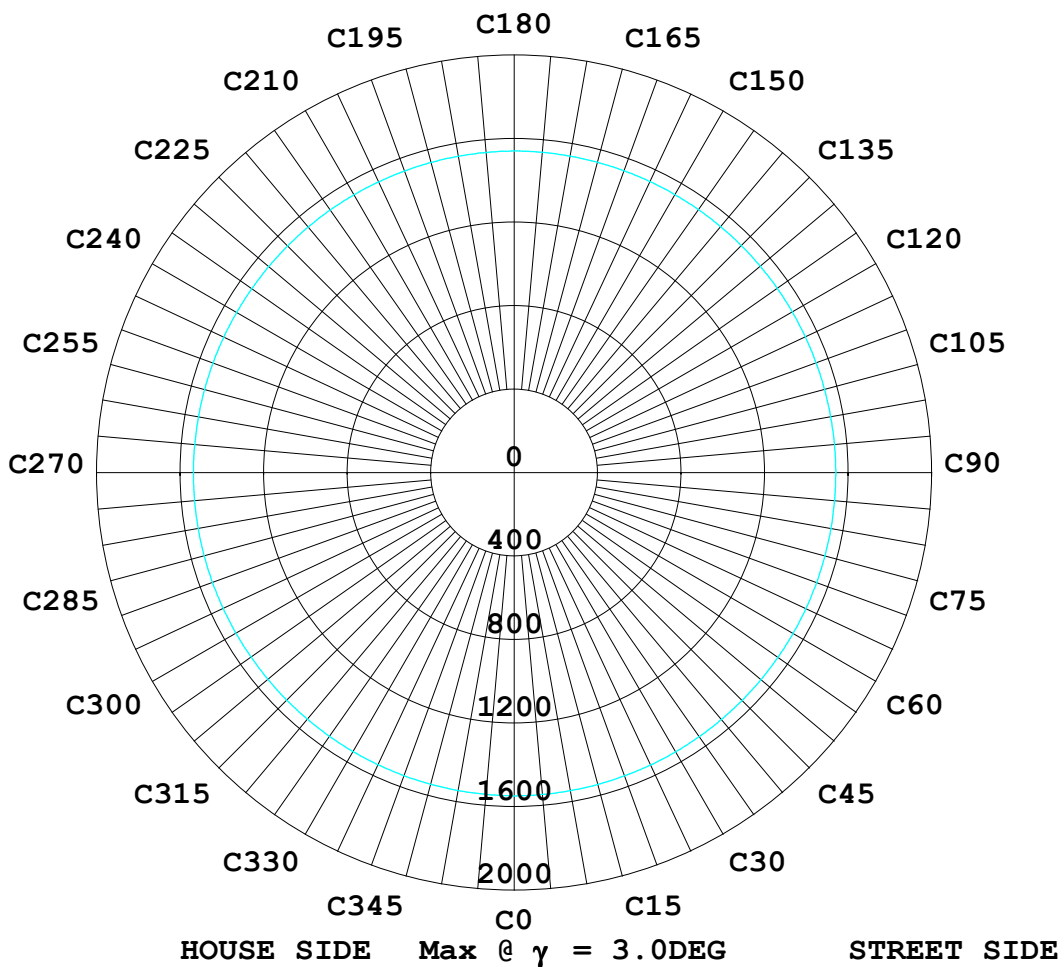
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

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:

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

UNIT: cd

γ (DEG)	C (DEG)														
	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546
5.0	1546	1545	1544	1544	1543	1542	1542	1541	1541	1541	1540	1540	1539	1539	1538
10.0	1531	1530	1529	1528	1527	1527	1527	1527	1528	1529	1529	1529	1529	1529	1529
15.0	1503	1501	1500	1500	1500	1501	1502	1504	1506	1504	1502	1500	1499	1497	1495
20.0	1462	1460	1459	1460	1462	1465	1467	1463	1460	1459	1458	1457	1457	1457	1457
25.0	1408	1406	1405	1407	1411	1411	1408	1407	1407	1407	1409	1406	1404	1401	1398
30.0	1343	1340	1341	1346	1347	1343	1341	1342	1345	1340	1338	1336	1335	1334	1334
35.0	1267	1266	1268	1270	1266	1267	1271	1271	1262	1261	1261	1264	1260	1256	1253
40.0	1180	1177	1180	1180	1178	1181	1180	1170	1177	1176	1172	1169	1168	1167	1166
45.0	1083	1081	1088	1077	1081	1081	1081	1084	1073	1074	1073	1073	1072	1069	1065
50.0	972	974	979	973	972	974	976	970	967	969	965	962	960	960	958
55.0	859	860	859	859	858	860	853	853	850	848	848	849	846	843	840
60.0	734	741	734	734	737	731	729	727	727	728	723	721	719	718	717
65.0	607	614	608	612	602	601	601	601	596	594	593	593	592	591	590
70.0	476	482	477	474	470	472	467	464	463	464	463	463	463	462	462
75.0	351	351	350	341	341	336	334	335	335	335	336	335	336	336	336
80.0	228	229	220	215	210	212	211	210	210	210	210	210	210	210	210
85.0	118	105	97.1	94.4	93.2	91.0	89.4	93.1	95.7	98.9	101	102	104	105	106
90.0	16.8	3.88	3.88	3.88	3.93	3.88	3.93	3.93	3.93	3.93	3.93	3.93	3.99	3.99	4.04
95.0	2.05	3.61	4.41	4.71	4.83	4.89	4.89	4.81	4.75	4.72	4.69	4.68	4.69	4.69	4.69
100.0	2.99	3.62	4.37	4.69	4.94	5.07	5.16	5.23	5.28	5.31	5.32	5.33	5.35	5.34	5.33
105.0	3.88	4.12	4.56	5.02	5.16	5.36	5.46	5.57	5.69	5.81	5.82	5.84	5.89	5.89	5.92
110.0	4.82	5.04	5.20	5.32	5.49	5.72	5.83	6.06	6.23	6.28	6.34	6.39	6.41	6.50	6.52
115.0	5.76	5.65	5.80	5.98	6.05	6.19	6.32	6.51	6.77	6.80	6.85	6.93	7.04	7.10	7.17
120.0	7.09	6.73	6.50	6.55	6.60	6.76	7.09	7.19	7.30	7.38	7.43	7.58	7.68	7.70	7.78
125.0	7.59	7.37	7.27	7.30	7.58	7.50	7.75	7.83	8.01	7.96	8.04	8.09	8.24	8.34	8.37
130.0	8.98	8.79	8.77	8.27	8.56	8.60	8.49	8.64	8.47	8.69	8.75	8.96	8.93	8.92	9.11
135.0	9.92	9.71	9.66	9.73	9.29	9.26	9.26	9.22	9.35	9.43	9.45	9.51	9.60	9.67	9.75
140.0	10.8	10.6	10.5	10.3	10.1	9.97	9.97	9.98	10.0	10.1	10.1	10.1	10.2	10.3	10.4
145.0	11.8	11.5	11.2	11.0	11.0	10.8	10.9	10.6	11.0	10.8	10.8	10.8	10.9	11.0	11.0
150.0	12.7	12.4	12.2	11.9	11.7	11.8	11.8	11.6	11.6	11.6	11.5	11.6	11.7	11.7	11.6
155.0	13.2	13.0	12.9	12.8	12.9	12.6	12.5	12.4	12.3	12.4	12.3	12.4	12.4	12.2	12.5
160.0	14.1	13.9	13.7	13.5	13.4	13.5	13.3	13.2	13.3	13.2	13.1	13.0	13.0	13.2	13.1
165.0	15.0	14.8	14.7	14.5	14.3	14.2	14.1	14.0	13.8	13.7	13.8	13.9	13.8	13.7	14.0
170.0	15.0	14.9	14.9	14.9	14.9	14.9	14.8	14.7	14.7	14.6	14.5	14.5	14.8	14.7	14.7
175.0	15.9	15.9	15.8	15.8	15.7	15.6	15.6	15.5	15.5	15.5	15.4	15.4	15.3	15.3	15.3
180.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9

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:

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

UNIT: cd

γ (DEG)	C (DEG)														
	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145
0.0	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546
5.0	1538	1537	1537	1536	1536	1536	1535	1535	1534	1533	1533	1532	1532	1532	1532
10.0	1529	1528	1528	1527	1526	1525	1523	1521	1519	1517	1515	1513	1511	1509	1508
15.0	1494	1493	1491	1490	1488	1487	1485	1484	1483	1481	1480	1480	1480	1479	1474
20.0	1456	1455	1454	1453	1451	1448	1446	1443	1439	1436	1433	1429	1427	1426	1425
25.0	1396	1394	1392	1390	1388	1386	1384	1382	1380	1379	1378	1377	1371	1366	1362
30.0	1333	1332	1330	1328	1325	1322	1319	1315	1313	1309	1305	1302	1299	1299	1293
35.0	1251	1249	1247	1244	1242	1239	1236	1234	1234	1232	1230	1224	1217	1214	1213
40.0	1166	1164	1163	1161	1158	1155	1151	1147	1143	1139	1135	1132	1131	1125	1118
45.0	1063	1061	1059	1057	1054	1051	1049	1046	1044	1042	1039	1033	1027	1023	1021
50.0	957	956	954	952	949	946	943	939	935	931	928	925	924	917	911
55.0	838	836	834	832	830	827	825	822	820	818	815	810	805	804	800
60.0	715	715	713	712	710	707	705	702	699	696	693	689	687	682	677
65.0	588	588	586	585	583	582	580	578	575	574	571	567	564	558	554
70.0	461	460	459	458	457	456	454	452	450	448	445	443	440	438	433
75.0	335	335	335	334	334	333	331	330	328	326	323	321	318	315	312
80.0	210	210	210	210	210	210	210	209	209	208	207	206	204	202	198
85.0	106	107	107	107	107	107	106	106	105	104	103	102	99.9	98.4	94.9
90.0	4.04	4.10	4.15	4.21	4.32	4.43	4.54	4.65	4.76	4.88	4.93	4.99	4.93	4.93	4.93
95.0	4.68	4.72	4.74	4.76	4.79	4.85	4.89	4.92	4.95	4.97	4.96	4.95	4.86	4.80	4.71
100.0	5.31	5.34	5.32	5.32	5.27	5.28	5.26	5.24	5.26	5.25	5.28	5.32	5.36	5.42	5.53
105.0	5.94	5.97	5.99	5.98	6.00	6.00	6.00	6.01	6.05	6.05	6.12	6.17	6.24	6.36	6.52
110.0	6.56	6.61	6.66	6.65	6.72	6.72	6.74	6.76	6.80	6.87	6.90	7.03	7.17	7.31	7.48
115.0	7.21	7.27	7.33	7.32	7.43	7.47	7.48	7.48	7.54	7.63	7.73	7.83	7.94	8.05	8.37
120.0	7.87	7.92	7.99	7.98	8.12	8.20	8.21	8.20	8.34	8.43	8.53	8.71	8.84	9.13	9.31
125.0	8.48	8.56	8.66	8.65	8.81	8.93	8.88	9.02	9.15	9.19	9.33	9.40	9.61	9.92	10.2
130.0	9.10	9.20	9.33	9.31	9.49	9.65	9.63	9.79	9.87	9.88	10.0	10.2	10.3	10.6	11.0
135.0	9.71	9.84	9.99	9.98	10.1	10.3	10.3	10.5	10.4	10.7	10.7	11.0	11.2	11.3	11.6
140.0	10.4	10.4	10.6	10.6	10.8	11.0	11.0	11.1	11.3	11.4	11.5	11.7	11.9	12.2	12.3
145.0	11.1	11.1	11.3	11.3	11.5	11.8	11.8	11.8	12.0	12.0	12.3	12.4	12.5	12.8	13.1
150.0	11.8	12.0	11.9	11.9	12.2	12.5	12.6	12.4	12.5	12.9	12.8	13.1	13.4	13.4	13.7
155.0	12.4	12.6	12.6	12.6	12.9	13.0	13.3	13.3	13.2	13.3	13.7	13.9	13.7	14.2	14.5
160.0	13.3	13.3	13.3	13.3	13.6	13.6	14.0	14.0	14.1	13.9	14.2	14.4	14.6	14.8	14.9
165.0	14.0	14.0	13.9	13.9	14.3	14.3	14.4	14.7	14.8	14.9	15.0	14.9	15.0	15.1	15.2
170.0	14.6	14.6	14.6	14.6	14.9	15.0	15.0	15.1	15.2	15.5	15.6	15.6	15.7	15.8	15.9
175.0	15.3	15.3	15.3	15.3	15.4	15.6	15.7	15.7	15.7	15.8	15.8	15.8	15.9	15.9	16.0
180.0	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9

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:

MANUFACTURER:	Address:	
NAME:	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	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546
5.0	1532	1532	1532	1532	1533	1534	1534	1533	1532	1531	1530	1529	1528	1528	1528
10.0	1506	1505	1505	1505	1505	1506	1508	1505	1503	1501	1500	1500	1500	1500	1501
15.0	1471	1468	1466	1465	1466	1467	1469	1465	1462	1460	1459	1459	1460	1462	1465
20.0	1426	1422	1418	1415	1414	1414	1417	1412	1409	1407	1408	1410	1411	1409	1409
25.0	1360	1359	1357	1352	1350	1351	1354	1348	1344	1343	1345	1345	1344	1343	1345
30.0	1288	1285	1292	1298	1283	1277	1278	1272	1271	1275	1286	1271	1269	1272	1275
35.0	1209	1203	1200	1200	1193	1191	1193	1186	1184	1187	1185	1184	1188	1189	1188
40.0	1114	1108	1109	1105	1099	1096	1102	1091	1089	1090	1091	1097	1085	1092	1097
45.0	1015	1012	1010	1002	998	993	998	987	986	986	990	991	990	993	995
50.0	908	900	900	894	886	883	889	876	873	876	879	876	881	883	888
55.0	791	785	780	780	769	762	768	754	755	762	758	760	764	772	773
60.0	677	666	659	654	649	639	646	631	634	635	636	640	649	645	648
65.0	549	546	538	528	527	512	517	502	512	508	515	519	518	521	526
70.0	427	420	416	406	398	389	394	379	383	386	391	389	397	405	411
75.0	310	305	295	291	280	274	269	264	264	269	268	280	285	286	289
80.0	194	192	191	183	174	166	158	162	153	160	167	168	170	175	179
85.0	93.0	90.9	87.9	83.3	79.8	67.9	55.2	40.7	52.7	59.3	67.8	73.0	75.5	80.2	84.4
90.0	4.99	5.04	5.04	4.93	4.82	4.82	7.09	4.10	4.10	4.10	4.15	4.15	4.27	4.27	4.32
95.0	4.57	4.68	4.93	5.38	6.40	9.01	10.6	7.09	5.45	4.82	4.53	4.43	4.45	4.57	4.66
100.0	5.70	5.96	6.44	7.20	8.64	11.1	10.7	8.56	7.05	6.04	5.61	5.37	5.30	5.29	5.30
105.0	6.77	7.15	7.76	8.62	9.86	11.8	10.7	9.26	7.81	7.01	6.60	6.29	6.17	6.11	6.09
110.0	7.72	8.18	8.83	9.68	10.7	12.3	10.8	9.50	8.50	7.97	7.44	7.08	7.01	6.90	6.87
115.0	8.74	9.06	9.69	10.4	11.4	12.5	10.9	10.0	9.28	8.67	8.16	8.12	7.87	7.83	7.61
120.0	9.56	10.0	10.4	11.1	11.9	13.1	11.0	10.3	9.78	9.51	9.14	8.91	8.76	8.53	8.32
125.0	10.4	10.7	11.3	11.9	12.4	13.1	12.1	11.3	10.6	10.3	9.93	9.90	9.51	9.16	9.24
130.0	11.4	11.3	12.1	12.4	13.1	13.8	12.3	11.8	11.5	11.3	10.9	10.4	10.1	10.1	9.67
135.0	12.0	12.2	13.0	13.2	13.4	14.3	13.2	12.7	12.2	11.7	11.4	11.2	11.0	10.6	10.4
140.0	12.8	13.0	13.4	13.9	14.3	14.6	13.7	13.3	13.1	12.7	12.0	11.7	11.6	11.5	11.1
145.0	13.4	13.7	13.9	14.5	14.9	15.2	14.2	13.8	13.4	13.0	12.8	12.6	12.1	12.0	11.7
150.0	14.0	14.2	14.6	14.9	15.3	15.7	14.3	14.0	13.8	13.7	13.3	13.0	12.9	12.8	12.3
155.0	14.6	14.7	14.9	15.3	15.8	16.2	15.1	14.8	14.6	14.3	13.8	13.4	13.2	13.2	13.1
160.0	14.8	15.1	15.5	15.9	16.1	16.4	15.2	15.0	14.7	14.5	14.3	14.1	13.9	13.7	13.5
165.0	15.6	15.8	15.9	16.1	16.3	16.5	15.2	15.0	14.9	14.7	14.5	14.4	14.3	14.1	14.0
170.0	16.0	16.1	16.1	16.1	16.1	16.2	15.3	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.4
175.0	16.1	16.3	16.4	16.5	16.6	16.7	15.3	15.2	15.1	15.1	15.0	15.0	14.9	14.9	14.8
180.0	15.9	15.9	15.9	15.9	15.9	15.9	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3

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:

MANUFACTURER:	Address:	
NAME:	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	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546
5.0	1527	1527	1527	1528	1528	1528	1529	1529	1530	1530	1531	1531	1532	1532	1533
10.0	1502	1503	1504	1505	1507	1509	1510	1512	1513	1514	1515	1516	1517	1517	1518
15.0	1466	1465	1464	1465	1465	1466	1467	1469	1470	1472	1473	1475	1477	1478	1480
20.0	1409	1410	1412	1414	1417	1420	1422	1425	1427	1429	1431	1433	1434	1435	1436
25.0	1349	1353	1353	1354	1355	1357	1358	1359	1362	1364	1366	1369	1371	1374	1377
30.0	1274	1276	1278	1281	1285	1289	1292	1293	1296	1299	1301	1304	1306	1307	1309
35.0	1190	1194	1201	1202	1203	1206	1208	1209	1212	1215	1217	1221	1224	1227	1230
40.0	1101	1102	1104	1108	1112	1116	1119	1124	1127	1130	1133	1136	1138	1139	1141
45.0	998	1003	1008	1010	1012	1013	1016	1019	1022	1025	1028	1032	1035	1039	1043
50.0	894	893	894	896	900	904	908	912	916	920	924	927	929	932	935
55.0	772	775	779	782	786	789	792	796	800	803	806	809	813	816	820
60.0	651	655	660	665	669	673	677	680	683	686	689	691	693	695	698
65.0	533	538	542	546	548	551	554	557	560	562	565	568	570	572	574
70.0	412	416	418	421	424	427	430	434	436	439	442	444	446	449	450
75.0	291	295	299	304	307	311	314	316	319	321	323	325	326	328	329
80.0	184	187	190	192	195	197	198	200	201	203	204	205	206	208	208
85.0	88.2	91.3	93.5	95.6	97.6	99.1	101	102	103	104	104	105	105	105	105
90.0	4.32	4.27	4.21	4.21	4.21	4.27	4.38	4.43	4.49	4.60	4.76	4.99	5.10	5.21	5.32
95.0	4.68	4.66	4.65	4.66	4.64	4.68	4.72	4.77	4.79	4.85	4.93	5.01	5.07	5.12	5.14
100.0	5.29	5.22	5.18	5.17	5.12	5.12	5.09	5.12	5.10	5.10	5.10	5.07	5.08	5.11	5.08
105.0	6.01	5.96	5.88	5.86	5.81	5.80	5.74	5.76	5.74	5.74	5.72	5.70	5.67	5.67	5.63
110.0	6.73	6.65	6.59	6.55	6.50	6.47	6.40	6.41	6.38	6.37	6.34	6.33	6.28	6.22	6.21
115.0	7.49	7.34	7.33	7.22	7.14	7.13	7.08	7.05	7.02	7.01	6.98	6.97	6.92	6.77	6.78
120.0	8.25	8.08	7.95	7.92	7.79	7.79	7.76	7.70	7.66	7.65	7.62	7.58	7.59	7.41	7.29
125.0	8.90	8.89	8.71	8.68	8.53	8.45	8.41	8.34	8.30	8.29	8.29	8.20	8.14	8.00	7.92
130.0	9.62	9.47	9.34	9.20	9.23	9.09	9.05	8.98	8.94	8.92	8.94	8.81	8.71	8.57	8.50
135.0	10.2	10.1	10.1	9.88	9.87	9.73	9.69	9.62	9.58	9.56	9.58	9.42	9.36	9.33	9.16
140.0	11.0	11.0	10.5	10.6	10.4	10.4	10.3	10.2	10.2	10.2	10.2	10.0	10.0	10.0	9.78
145.0	11.8	11.3	11.4	11.2	11.1	11.0	10.9	10.8	10.8	10.8	10.8	10.6	10.7	10.5	10.5
150.0	12.1	12.2	12.0	11.8	11.7	11.6	11.5	11.5	11.4	11.4	11.4	11.2	11.3	11.3	11.2
155.0	12.9	12.7	12.5	12.5	12.3	12.2	12.2	12.1	12.1	12.1	12.1	12.0	11.9	11.9	11.9
160.0	13.4	13.3	13.1	13.0	12.9	12.8	12.8	12.7	12.7	12.7	12.7	12.7	12.5	12.5	12.6
165.0	13.9	13.8	13.7	13.6	13.5	13.5	13.4	13.4	13.4	13.3	13.4	13.4	13.4	13.1	13.1
170.0	14.4	14.3	14.2	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.0
175.0	14.8	14.8	14.7	14.7	14.7	14.7	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.7	14.7
180.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3

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%
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 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: cd

γ (DEG)	C (DEG)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546	1546
5.0	1534	1535	1536	1536	1537	1538	1539	1540	1541	1542	1543	1545
10.0	1518	1518	1519	1519	1520	1520	1521	1522	1523	1525	1527	1529
15.0	1483	1485	1488	1492	1495	1494	1493	1493	1494	1495	1497	1500
20.0	1437	1439	1440	1443	1446	1449	1455	1455	1454	1454	1455	1458
25.0	1380	1384	1387	1388	1389	1391	1394	1400	1403	1401	1401	1403
30.0	1310	1313	1315	1319	1325	1325	1327	1334	1337	1338	1336	1338
35.0	1235	1239	1238	1239	1243	1248	1253	1252	1255	1262	1263	1263
40.0	1143	1145	1149	1154	1157	1159	1163	1166	1166	1171	1174	1174
45.0	1047	1050	1050	1053	1059	1066	1064	1066	1069	1071	1082	1078
50.0	937	940	944	949	949	953	960	960	960	964	972	972
55.0	824	828	829	830	834	838	840	847	847	850	853	858
60.0	700	704	708	713	714	715	717	721	728	726	729	739
65.0	576	579	580	583	587	593	594	594	596	606	602	613
70.0	452	454	455	456	456	459	464	470	468	471	474	481
75.0	330	331	332	333	333	334	333	336	343	342	350	350
80.0	210	211	212	213	214	214	216	217	214	220	223	230
85.0	105	104	104	103	104	99.7	97.8	99.7	102	104	95.3	97.0
90.0	5.43	5.49	5.60	5.65	5.76	5.76	5.76	5.60	5.49	5.37	5.21	4.88
95.0	5.14	5.12	5.12	5.07	5.03	4.87	4.63	4.50	4.37	4.21	3.91	3.29
100.0	5.06	5.08	5.07	5.06	5.06	4.97	4.84	4.67	4.36	4.11	3.73	3.12
105.0	5.57	5.56	5.52	5.48	5.45	5.32	5.07	4.85	4.63	4.36	3.85	3.56
110.0	6.14	6.04	5.99	5.95	5.90	5.67	5.46	5.27	5.15	4.72	4.21	4.23
115.0	6.66	6.57	6.53	6.43	6.40	6.27	6.05	5.71	5.53	5.19	5.19	5.05
120.0	7.22	7.17	7.03	6.98	6.89	6.77	6.64	6.46	6.11	5.91	5.87	5.81
125.0	7.85	7.80	7.63	7.57	7.40	7.49	7.29	7.26	6.90	6.98	6.68	6.75
130.0	8.52	8.35	8.27	8.07	8.18	7.95	8.00	8.07	8.01	7.96	7.86	7.80
135.0	9.01	9.06	8.94	8.90	8.65	8.77	8.73	8.68	8.79	8.82	9.05	9.07
140.0	9.68	9.58	9.60	9.58	9.52	9.45	9.38	9.57	9.49	9.62	9.65	9.92
145.0	10.4	10.3	10.2	10.3	10.2	10.4	10.3	10.2	10.2	10.3	10.5	10.8
150.0	11.1	11.1	10.9	10.9	11.1	11.0	11.0	11.1	11.4	11.3	11.5	11.7
155.0	11.9	11.9	11.7	11.7	11.7	11.8	11.7	12.0	12.3	12.2	12.2	12.3
160.0	12.6	12.4	12.8	12.6	12.4	12.6	12.6	12.5	12.7	12.9	13.0	13.2
165.0	13.2	13.3	13.4	13.3	13.2	13.4	13.8	13.7	13.7	13.7	13.7	13.7
170.0	13.8	13.8	13.9	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7
175.0	14.7	14.7	14.8	14.8	14.8	14.9	14.8	14.8	14.7	14.7	14.7	14.8
180.0	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3

Test System:HOPOO HPG1900
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Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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