

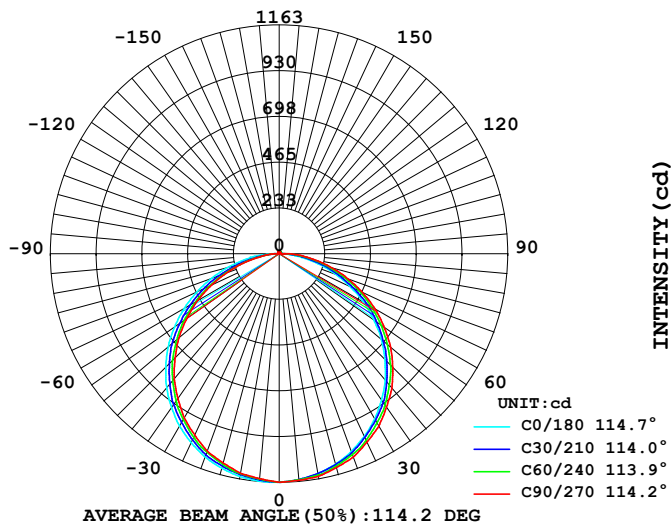
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

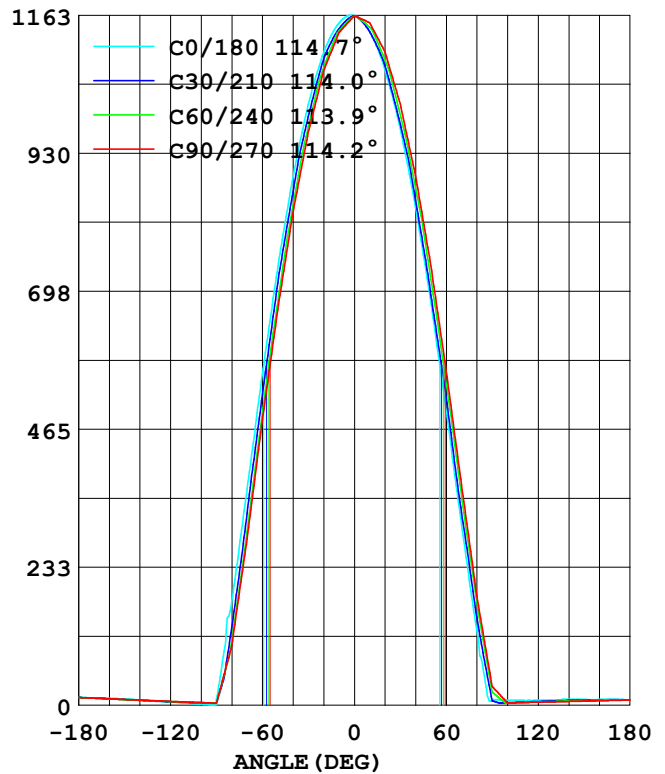
MANUFACTURER:	Address:		
NAME:	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax (cd)	1163	S/MH (C0/180)	1.29
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.24
NOMINAL POWER (W)	36	TOTAL FLUX (lm)	3413.9	Voltage (V)	229.8
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	94.6	Current (A)	0.200
NOMINAL FLUX (lm)	3414.0	η up (%)	1.3	Power (W)	36.07
LAMPS QUANTITY	1	η down (%)	98.7	Power Factor (PF)	0.954
TEST VOLTAGE (V)	229.9	Effective Flux (lm)	0.0	EET	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



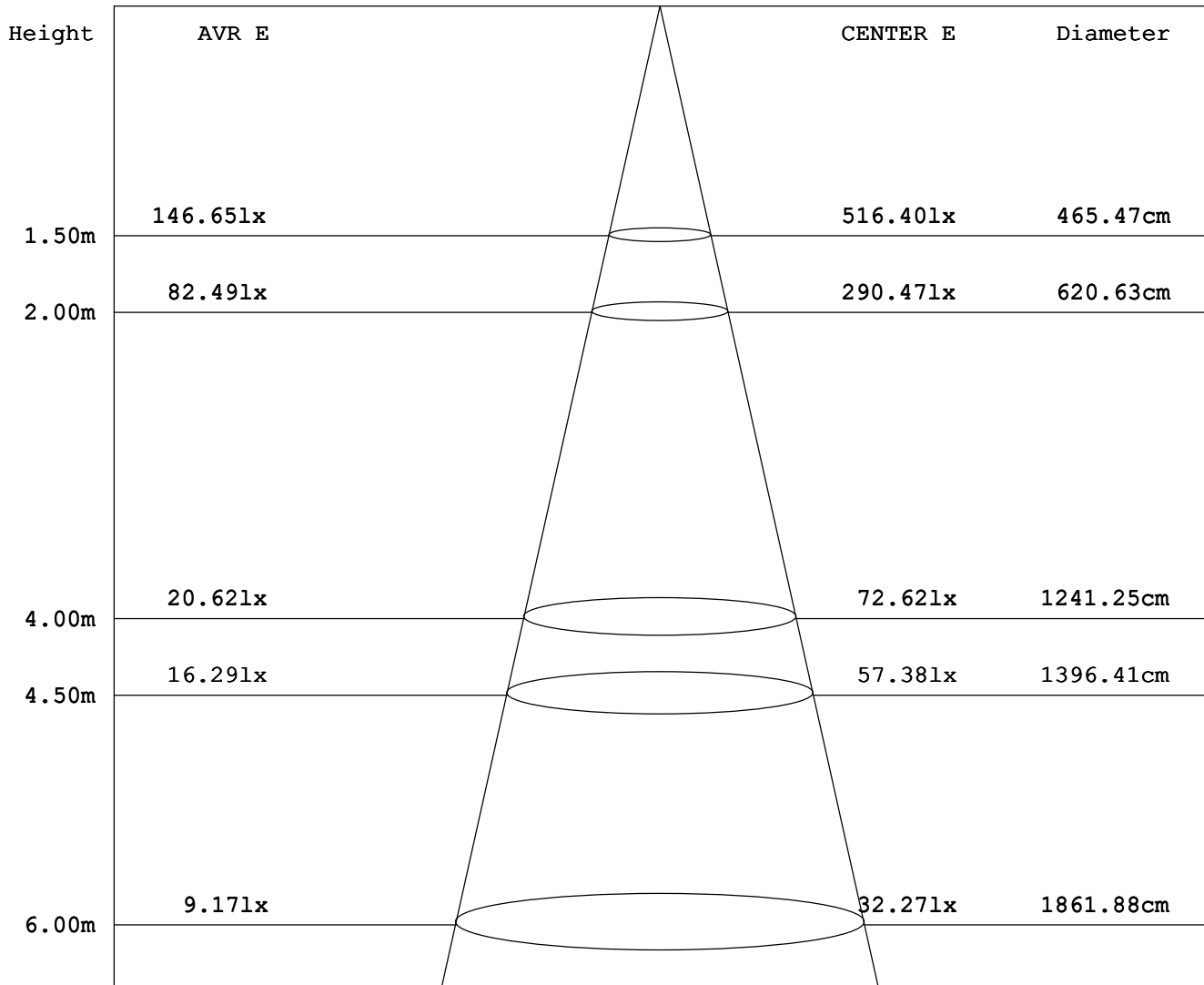
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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:114.4deg

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	1161	1152	1148	1147	1154	1152	1156	1158	0- 5	27.65	27.65
10.0	1150	1137	1133	1127	1136	1138	1150	1150	5- 10	81.98	109.6
15.0	1129	1116	1101	1100	1108	1116	1126	1134	10- 15	133.7	243.3
20.0	1100	1078	1069	1059	1071	1080	1101	1102	15- 20	180.9	424.3
25.0	1060	1037	1017	1015	1025	1040	1057	1067	20- 25	222.4	646.7
30.0	1012	984.7	965.4	959.1	970.7	988.2	1013	1020	25- 30	256.4	903.1
35.0	953.9	922.2	898.2	893.9	908.1	926.5	952.5	964.3	30- 35	282.1	1185
40.0	889.9	856.0	831.1	825.7	839.1	861.7	892.1	904.4	35- 40	298.3	1484
45.0	816.1	776.5	748.6	747.5	760.3	787.1	816.4	828.9	40- 45	304.8	1789
50.0	736.5	694.0	666.1	667.4	678.9	710.6	740.8	750.4	45- 50	300.8	2089
55.0	648.3	601.2	573.3	575.6	587.7	619.3	652.1	664.1	50- 55	286.9	2376
60.0	558.3	507.8	480.4	484.1	495.8	528.2	563.4	576.6	55- 60	263.1	2640
65.0	460.0	406.3	380.2	390.4	399.2	436.4	467.3	476.4	60- 65	231.0	2871
70.0	363.7	306.4	280.0	296.5	304.5	343.3	371.3	378.9	65- 70	191.6	3062
75.0	269.0	208.4	190.1	201.8	210.9	246.9	277.6	284.5	70- 75	147.7	3210
80.0	175.3	119.3	100.1	119.0	126.4	164.1	183.9	190.4	75- 80	102.3	3312
85.0	90.66	49.42	51.84	52.03	48.04	87.41	107.7	104.5	80- 85	58.92	3371
90.0	10.09	3.487	3.487	3.643	7.078	15.35	31.64	28.93	85- 90	22.51	3394
95.0	0.885	4.045	3.903	3.933	9.316	7.311	17.80	11.44	90- 95	5.152	3399
100.0	1.717	4.521	4.320	4.476	8.536	4.192	3.955	4.174	95-100	2.970	3402
105.0	2.966	4.879	4.866	5.230	8.536	4.687	4.268	4.283	100-105	2.494	3404
110.0	3.799	5.249	5.413	5.906	8.119	5.159	4.580	4.418	105-110	2.652	3407
115.0	4.632	5.660	5.959	6.669	8.171	5.609	4.892	4.547	110-115	2.774	3410
120.0	5.465	6.145	6.506	7.306	8.223	6.033	5.204	4.668	115-120	2.876	3413
125.0	6.349	6.669	7.052	7.887	8.796	6.433	5.517	4.891	120-125	2.950	3416
130.0	7.599	7.268	7.599	8.522	8.484	6.965	5.829	5.295	125-130	2.987	3419
135.0	8.431	7.812	8.145	9.286	9.316	7.111	6.141	5.637	130-135	2.977	3422
140.0	8.900	8.427	8.692	9.606	9.733	7.445	6.454	6.011	135-140	2.901	3425
145.0	9.733	9.068	9.238	10.36	9.733	7.761	6.766	5.962	140-145	2.762	3427
150.0	10.56	9.734	9.785	10.83	9.681	8.151	7.078	6.414	145-150	2.578	3430
155.0	11.39	10.30	10.33	11.01	9.681	8.568	7.390	6.900	150-155	2.312	3432
160.0	11.81	10.80	10.87	11.77	10.09	8.681	7.703	7.420	155-160	2.002	3434
165.0	12.23	11.53	11.42	12.20	9.733	8.951	8.015	7.809	160-165	1.641	3436
170.0	12.64	11.90	11.97	12.28	9.733	9.215	8.327	8.181	165-170	1.224	3437
175.0	13.06	12.67	12.51	12.67	9.733	8.943	8.640	8.731	170-175	0.760	3438
180.0	13.06	13.06	13.06	13.06	8.952	8.952	8.952	8.952	175-180	0.259	3438
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

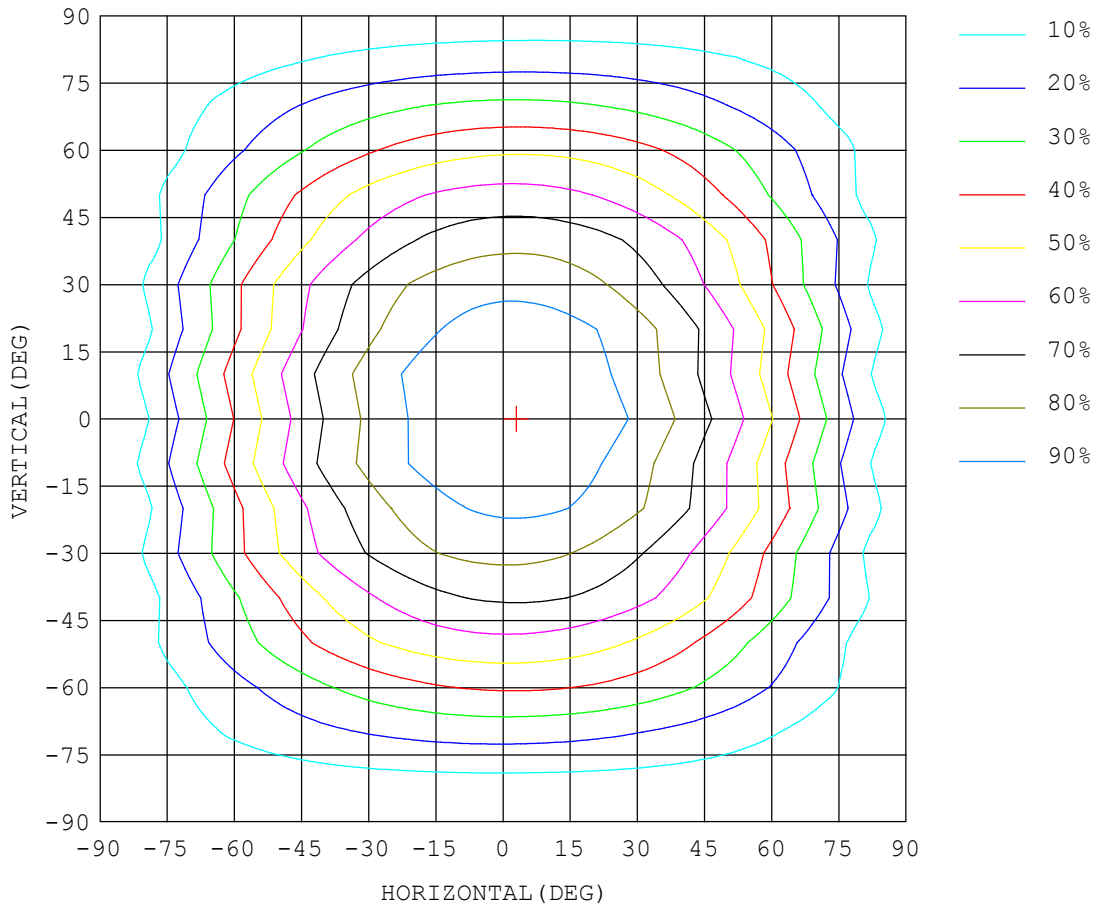
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



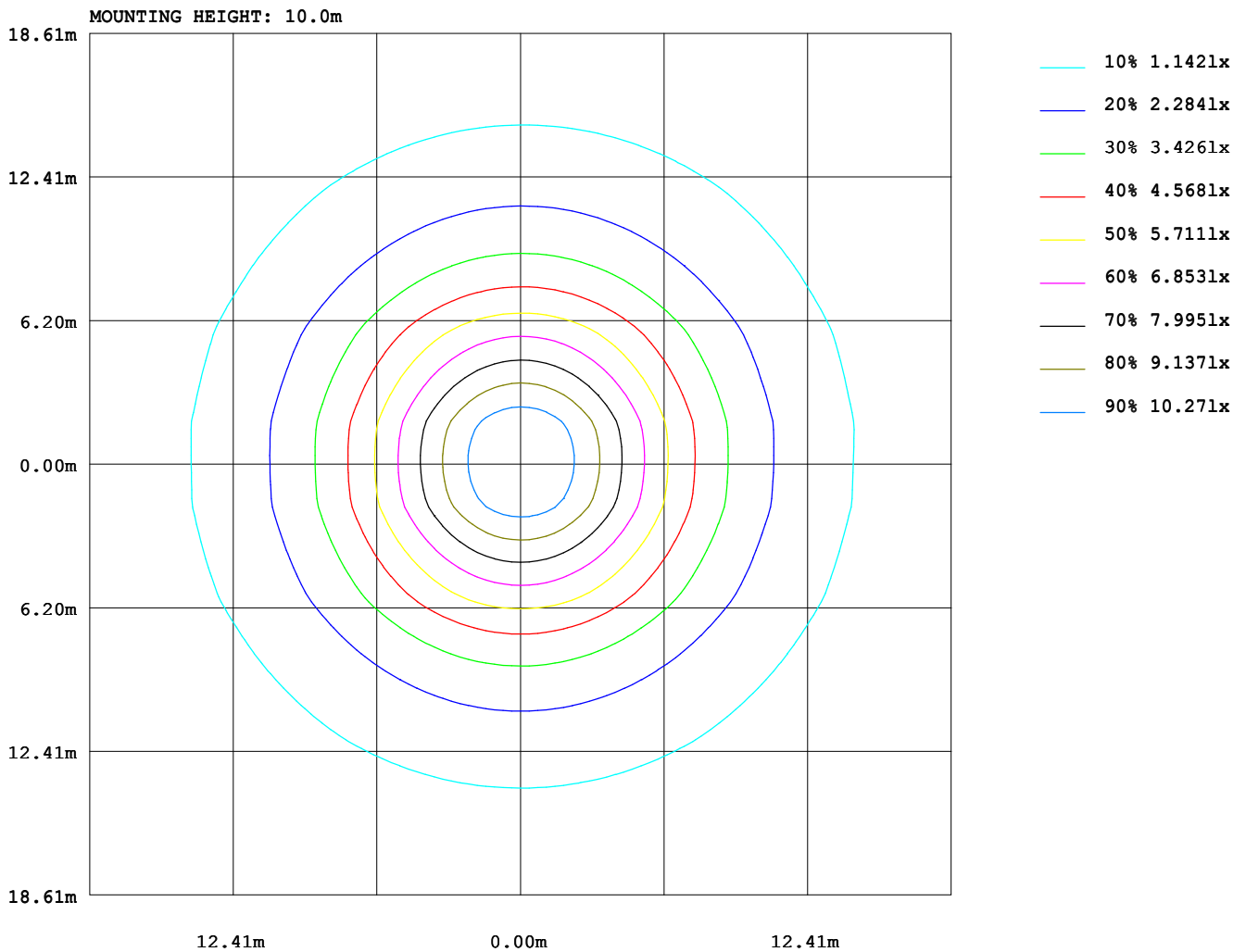
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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:2019-10-18

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	0.01	0.03	0.09	0.25	0.48	0.74	0.99	1.20	1.34	1.42	1.40	1.29	1.11	0.88	0.61	0.35	0.15	0.02	12.3	0.00		
	80	0.02	0.27	1.02	2.12	3.46	4.86	6.14	7.14	7.74	7.88	7.52	6.70	5.54	4.18	2.78	1.53	0.60	0.09	69.6	66.1		
	70	0.06	0.69	2.05	4.01	6.38	8.89	11.2	12.9	13.9	14.0	13.2	11.5	9.35	6.84	4.40	2.34	0.85	0.10	123	122		
	60	0.05	0.74	2.50	5.17	8.52	12.1	15.4	18.0	19.6	19.9	18.9	16.8	13.7	10.2	6.68	3.62	1.44	0.23	174	173		
	50	0.15	1.35	3.81	7.47	11.8	16.3	20.3	23.3	25.0	25.0	23.4	20.5	16.5	12.0	7.64	3.94	1.39	0.16	221	220		
	40	0.08	1.11	3.74	7.78	12.7	18.0	22.8	26.6	28.8	29.3	27.9	24.8	20.4	15.2	10.0	5.45	2.11	0.37	258	257		
	30	0.24	1.85	5.18	10.0	15.7	21.5	26.6	30.4	32.4	32.4	30.3	26.5	21.3	15.6	9.91	5.09	1.77	0.19	287	287		
		0.09	1.33	4.47	9.29	15.1	21.3	27.0	31.4	34.1	34.6	33.0	29.4	24.2	18.1	12.0	6.56	2.54	0.44	306	305		
		0.29	2.08	5.83	11.1	17.4	23.7	29.2	33.3	35.4	35.4	33.1	28.9	23.3	16.9	10.7	5.51	1.89	0.21	315	315		
		0.09	1.38	4.57	9.49	15.5	21.8	27.5	32.1	34.8	35.3	33.7	30.0	24.7	18.5	12.3	6.72	2.61	0.46	312	312		
		0.29	2.03	5.64	10.7	16.7	22.6	27.9	31.8	33.8	33.7	31.5	27.4	22.0	16.0	10.1	5.16	1.75	0.19	300	300		
	-30	0.08	1.21	4.03	8.38	13.7	19.3	24.4	28.5	30.9	31.4	29.9	26.6	21.9	16.4	10.8	5.92	2.29	0.40	277	276		
	-40	0.24	1.70	4.61	8.80	13.6	18.5	22.8	26.0	27.6	27.5	25.6	22.3	17.8	12.9	8.11	4.08	1.37	0.12	244	244		
	-50	0.06	0.89	2.92	6.06	9.98	14.1	17.9	20.9	22.7	23.1	22.0	19.6	16.1	12.0	7.89	4.28	1.67	0.29	203	202		
	-60	0.16	1.11	2.97	5.60	8.69	11.8	14.6	16.6	17.6	17.5	16.3	14.0	11.1	8.00	4.96	2.48	0.82	0.07	155	154		
	-70	0.03	0.45	1.51	3.06	5.00	7.08	9.03	10.5	11.5	11.7	11.1	9.86	8.06	5.98	3.92	2.14	0.85	0.13	102	100		
	-80	0.05	0.41	1.07	1.94	2.89	3.82	4.63	5.21	5.47	5.38	4.95	4.23	3.34	2.39	1.50	0.73	0.20	0.01	48.2	37.3		
	-90	0.01	0.05	0.15	0.29	0.44	0.58	0.70	0.79	0.84	0.84	0.80	0.72	0.61	0.46	0.31	0.17	0.06	0.01	7.81	0.00		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t		1.97	18.7	56.2	112	178	247	310	357	384	387	365	322	262	193	125	66.1	24.3	3.49	3438			
Φ a		0.56	15.2	53.3	109	177	246	307	355	382	384	362	319	259	191	123	64.3	21.8	1.89		3342		

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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

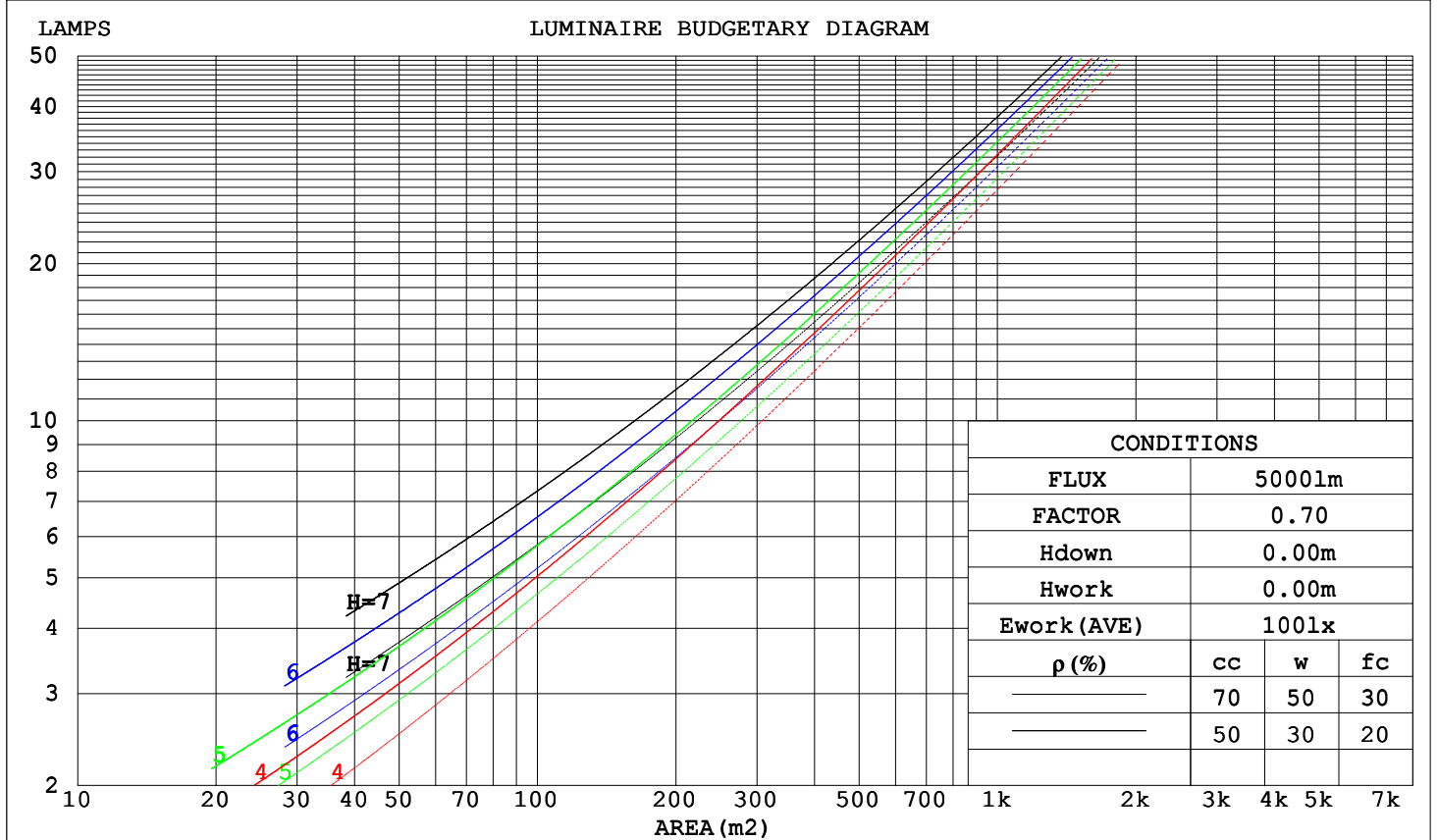
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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	.99
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	.84	.79	.74	.81	.76	.72	.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	.34	.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	.30	.26	.37	.30	.25	.36	.30	.25	.23



Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	.181	.057	.312	.178	.056	.297	.171	.054	.284	.164	.053	.272	.158	.051	
2.0	.298	.163	.050	.291	.160	.049	.279	.155	.048	.267	.150	.047	.257	.145	.046	
3.0	.275	.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	.220	.120	.036	
5.0	.234	.119	.034	.229	.117	.034	.220	.115	.034	.212	.112	.033	.204	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.102	.030	.190	.100	.030	
7.0	.201	.099	.028	.197	.098	.028	.190	.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	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.192	.167	.145	.164	.143	.125	.112	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.184	.143	.108	.158	.123	.094	.108	.085	.065	.062	.049	.038	.020	.016	.012	
3.0	.176	.125	.085	.151	.108	.073	.104	.075	.051	.060	.044	.030	.019	.014	.010	
4.0	.169	.112	.069	.145	.097	.060	.099	.067	.042	.058	.039	.025	.019	.013	.008	
5.0	.161	.101	.057	.138	.088	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.154	.093	.049	.132	.081	.043	.091	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.147	.086	.044	.126	.075	.038	.087	.052	.027	.051	.031	.016	.016	.010	.005	
8.0	.140	.080	.039	.121	.070	.034	.084	.049	.024	.049	.029	.014	.016	.009	.005	
9.0	.134	.075	.036	.116	.065	.031	.080	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.128	.071	.033	.111	.062	.029	.077	.043	.020	.045	.026	.012	.015	.008	.004	

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	16.8	18.3	17.1	18.5	18.8	16.2	17.7	16.5	17.9	18.2
	3H	18.4	19.8	18.7	20.1	20.3	17.5	18.9	17.9	19.2	19.5
	4H	19.1	20.5	19.5	20.7	21.0	18.0	19.4	18.4	19.6	19.9
	6H	19.7	20.9	20.0	21.2	21.5	18.3	19.6	18.7	19.9	20.2
	8H	19.9	21.1	20.3	21.4	21.7	18.4	19.6	18.8	19.9	20.3
	12H	20.0	21.2	20.4	21.5	21.9	18.5	19.7	18.9	20.0	20.3
4H	2H	17.3	18.6	17.6	18.9	19.2	16.8	18.2	17.2	18.4	18.7
	3H	19.1	20.3	19.5	20.6	20.9	18.3	19.5	18.7	19.8	20.2
	4H	19.9	21.0	20.3	21.3	21.7	19.0	20.0	19.3	20.4	20.7
	6H	20.6	21.5	21.0	21.9	22.3	19.3	20.3	19.8	20.7	21.1
	8H	20.8	21.7	21.3	22.1	22.5	19.5	20.4	19.9	20.8	21.2
	12H	21.0	21.8	21.5	22.3	22.7	19.6	20.4	20.0	20.8	21.2
8H	4H	20.1	21.0	20.5	21.4	21.8	19.2	20.1	19.7	20.5	20.9
	6H	20.9	21.6	21.3	22.0	22.5	19.7	20.5	20.2	20.9	21.4
	8H	21.2	21.9	21.7	22.3	22.8	19.9	20.6	20.4	21.0	21.5
	12H	21.5	22.0	22.0	22.5	23.0	20.1	20.7	20.6	21.2	21.7
12H	4H	20.1	20.9	20.5	21.3	21.7	19.2	20.1	19.7	20.5	20.9
	6H	20.9	21.5	21.4	22.0	22.5	19.8	20.5	20.3	20.9	21.4
	8H	21.3	21.8	21.8	22.3	22.8	20.0	20.6	20.5	21.1	21.6

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.1 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.2 / - 0.3	+ 0.2 / - 0.3

CIE Pub.117 Corrected 3414 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.3)

Test System:HOPPO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	44	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	83	92	86	81	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	109	104	99	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

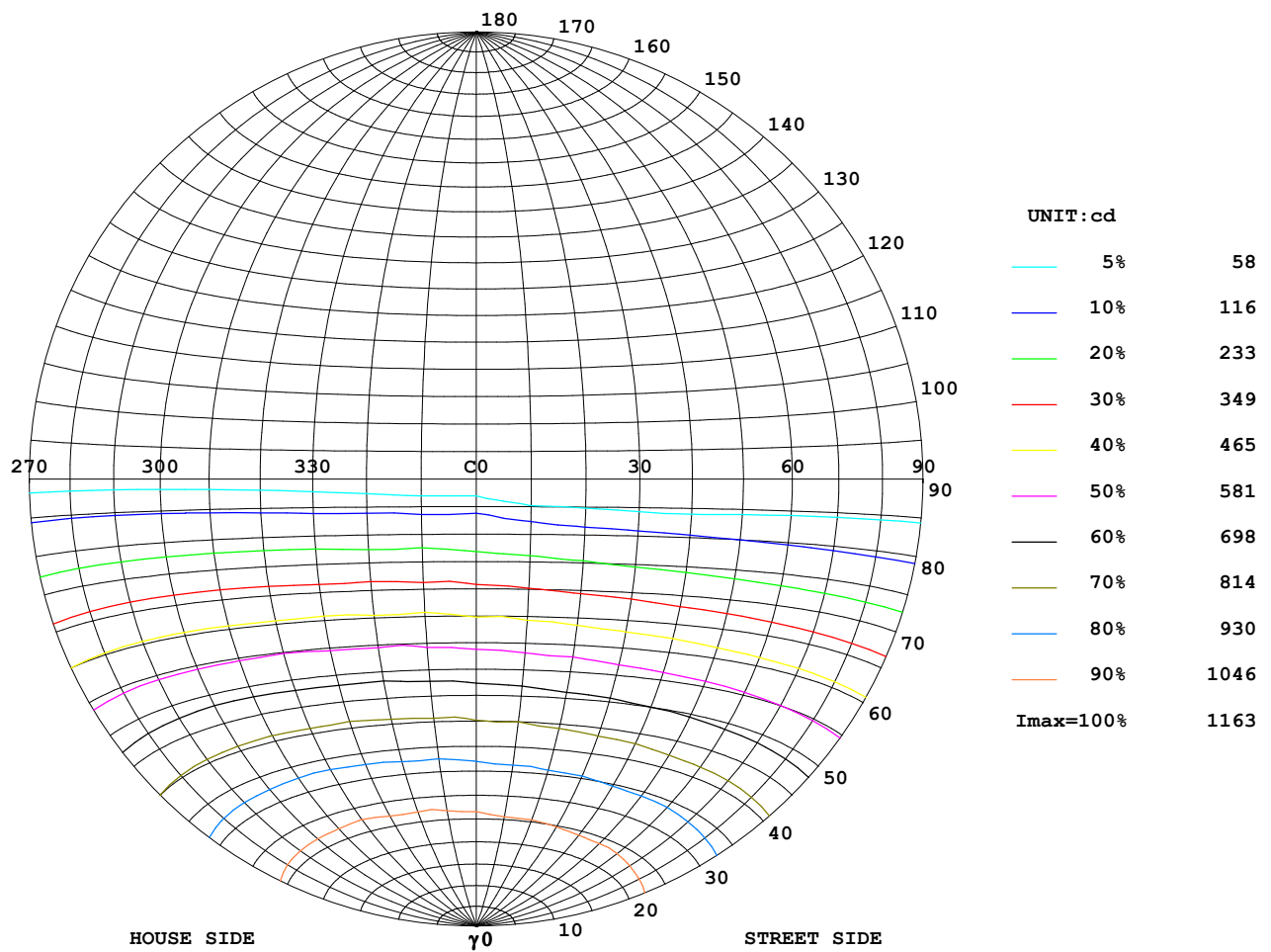
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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:2019-10-18

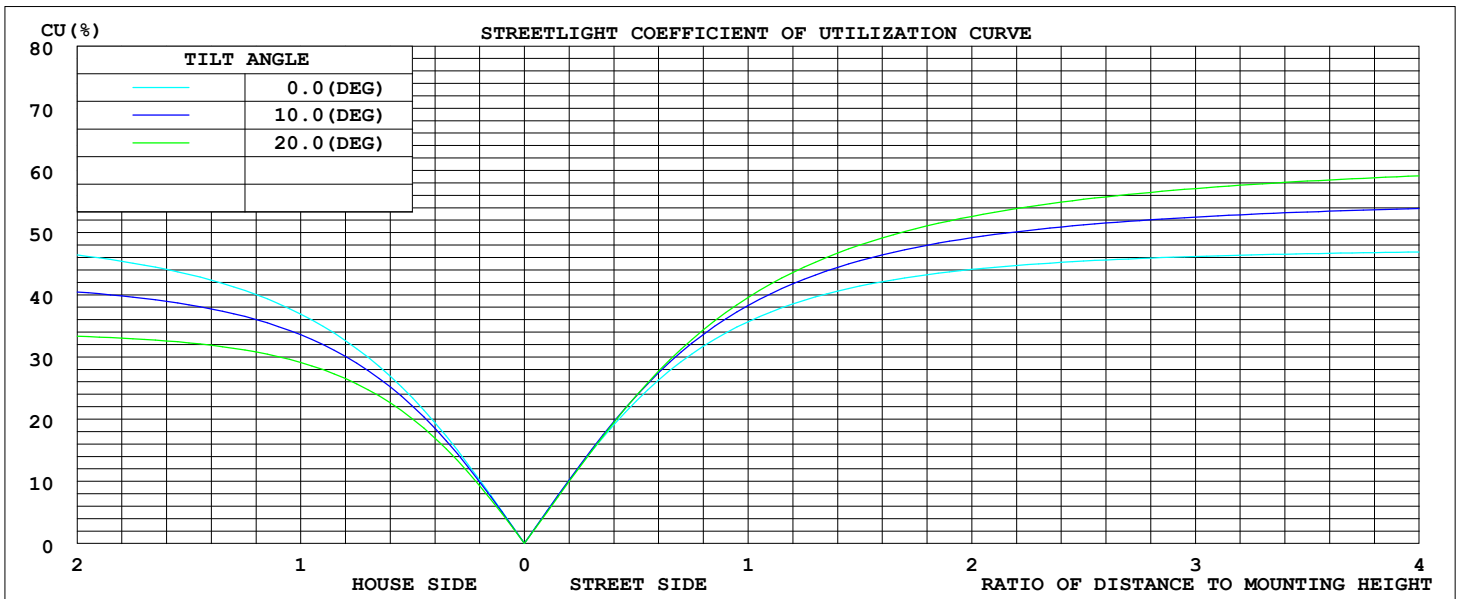
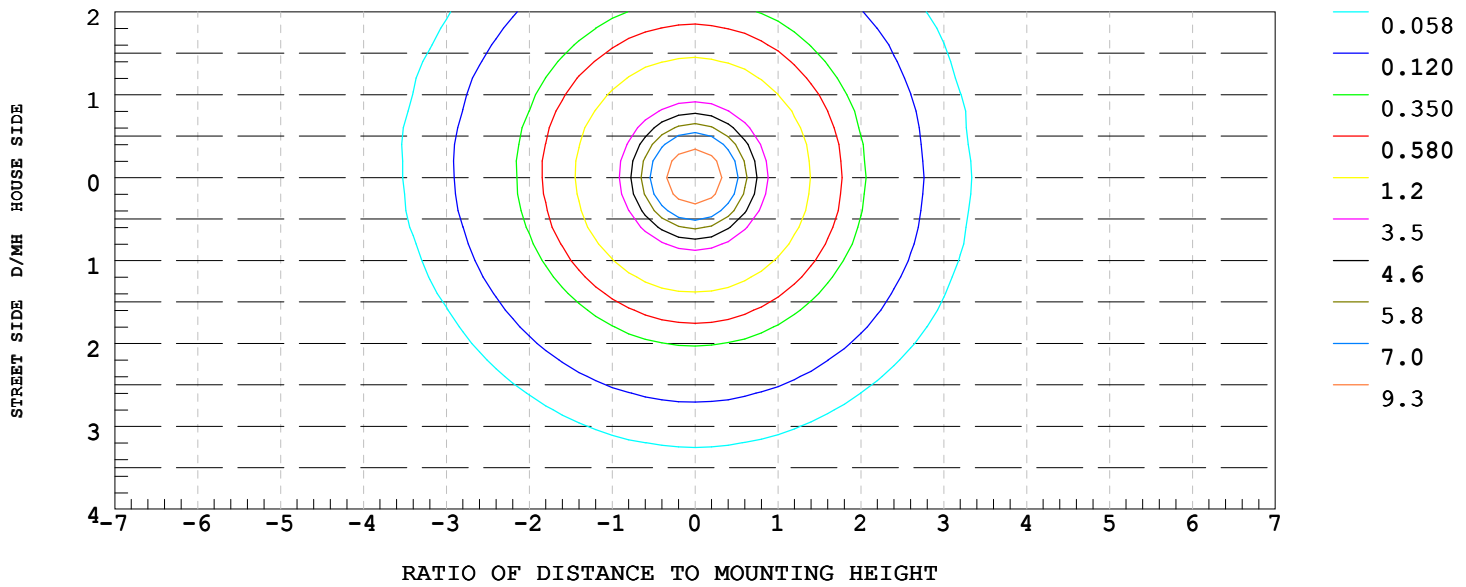
Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:7.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 11.62 lx



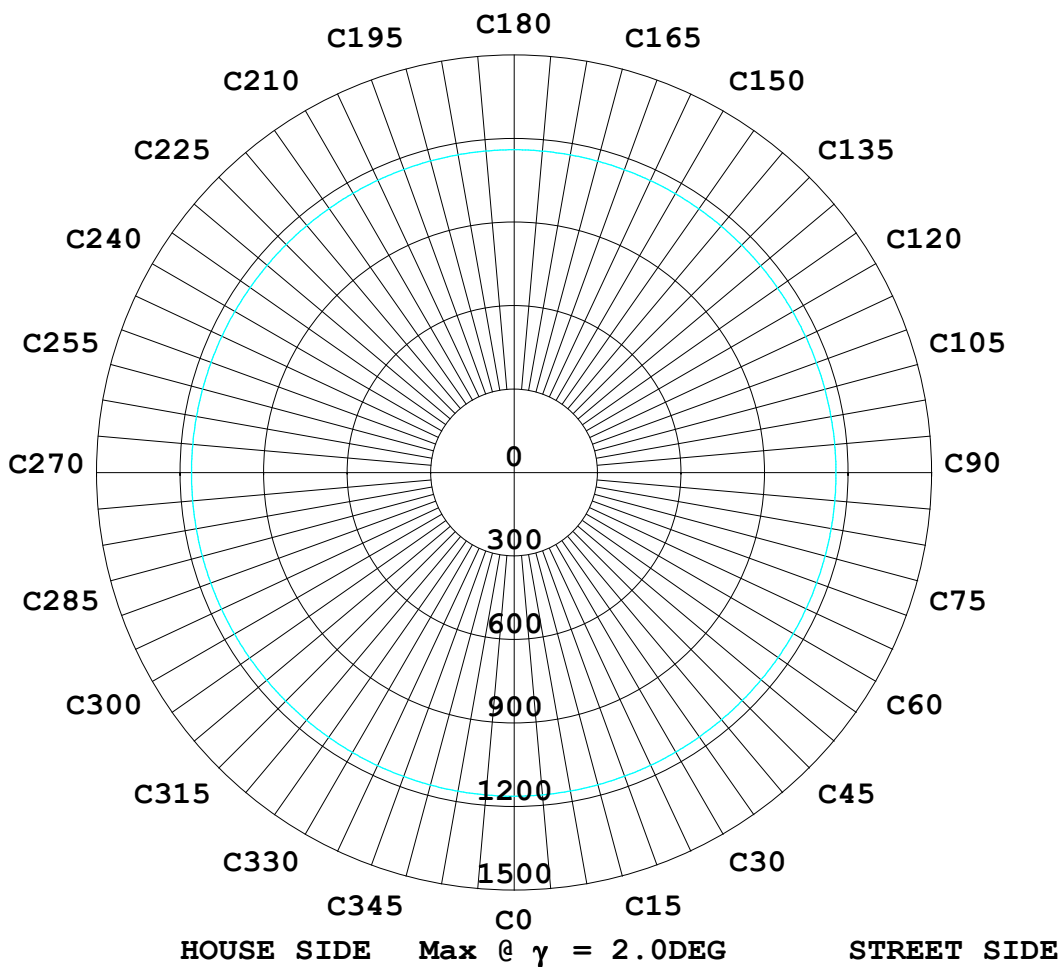
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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:2019-10-18

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)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
0.0	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162
5.0	1161	1160	1158	1157	1156	1155	1154	1153	1153	1152	1151	1151	1150	1150	1149
10.0	1150	1147	1145	1144	1142	1141	1140	1139	1138	1137	1137	1136	1136	1136	1135
15.0	1129	1126	1123	1121	1119	1118	1118	1118	1118	1116	1113	1111	1109	1107	1105
20.0	1100	1095	1092	1090	1089	1089	1089	1084	1081	1078	1076	1075	1074	1073	1072
25.0	1060	1055	1052	1050	1050	1048	1044	1041	1038	1037	1036	1033	1030	1027	1024
30.0	1012	1007	1004	1003	1001	995	992	990	989	985	980	977	975	973	971
35.0	954	948	946	947	941	937	936	931	926	922	921	919	914	910	907
40.0	890	884	884	879	873	872	865	862	859	856	850	846	842	839	837
45.0	816	811	813	804	801	795	790	789	782	777	773	770	767	762	758
50.0	737	732	729	722	717	713	711	702	697	694	688	683	679	676	674
55.0	648	646	642	636	630	626	617	614	607	601	598	594	590	586	582
60.0	558	557	547	541	539	529	523	516	513	508	501	497	492	489	486
65.0	460	463	452	448	437	429	425	420	412	406	401	398	394	390	387
70.0	364	361	352	345	337	332	324	317	310	306	301	297	293	290	287
75.0	269	262	256	245	240	230	223	219	213	208	204	201	199	196	194
80.0	175	169	158	153	141	137	132	127	123	119	116	112	109	106	104
85.0	90.6	74.7	61.4	58.6	54.4	50.4	46.0	47.4	48.6	49.4	50.0	50.4	50.9	51.0	51.2
90.0	10.0	3.43	3.43	3.48	3.48	3.53	3.53	3.53	3.48	3.48	3.48	3.48	3.48	3.48	3.53
95.0	0.88	2.93	3.78	4.08	4.20	4.22	4.21	4.17	4.09	4.04	4.02	3.99	3.97	3.96	3.95
100.0	1.71	2.81	3.49	3.96	4.21	4.34	4.41	4.46	4.49	4.52	4.48	4.47	4.43	4.40	4.37
105.0	2.96	3.24	3.72	4.21	4.36	4.55	4.66	4.79	4.81	4.87	4.88	4.91	4.88	4.89	4.87
110.0	3.79	4.07	4.21	4.44	4.59	4.79	4.94	5.16	5.27	5.24	5.28	5.36	5.38	5.37	5.36
115.0	4.63	4.74	4.83	4.98	5.01	5.25	5.47	5.48	5.67	5.66	5.76	5.85	5.84	5.84	5.85
120.0	5.46	5.47	5.40	5.49	5.55	5.86	5.89	6.09	6.05	6.14	6.28	6.28	6.33	6.37	6.42
125.0	6.34	6.16	6.06	6.34	6.42	6.31	6.58	6.43	6.49	6.66	6.85	6.85	6.88	6.91	6.95
130.0	7.59	7.35	7.11	6.97	7.26	7.09	6.99	6.96	7.19	7.26	7.25	7.29	7.33	7.39	7.46
135.0	8.43	8.18	7.96	7.72	7.61	7.58	7.65	7.71	7.81	7.81	7.86	7.91	7.98	7.98	7.95
140.0	8.90	8.66	8.42	8.41	8.31	8.41	8.49	8.55	8.35	8.42	8.50	8.43	8.44	8.54	8.51
145.0	9.73	9.55	9.49	9.40	9.30	9.27	9.05	9.15	8.96	9.06	9.00	9.01	9.14	9.02	9.17
150.0	10.5	10.3	10.1	9.94	10.0	9.84	9.75	9.77	9.59	9.73	9.57	9.72	9.60	9.71	9.68
155.0	11.3	11.1	10.9	10.7	10.5	10.4	10.4	10.4	10.2	10.3	10.2	10.1	10.2	10.2	10.1
160.0	11.8	11.6	11.4	11.3	11.1	10.9	11.1	11.0	10.9	10.8	10.7	10.9	10.8	10.7	10.6
165.0	12.2	12.0	11.9	11.8	11.7	11.5	11.4	11.6	11.6	11.5	11.4	11.3	11.2	11.2	11.4
170.0	12.6	12.5	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8	11.8	12.1	12.0	12.0
175.0	13.0	13.0	12.9	12.9	12.8	12.8	12.7	12.7	12.7	12.6	12.6	12.6	12.5	12.5	12.5
180.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162
5.0	1149	1148	1148	1148	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1148
10.0	1135	1134	1134	1133	1132	1132	1131	1130	1130	1129	1128	1128	1127	1127	1127
15.0	1104	1103	1102	1101	1100	1100	1099	1099	1098	1098	1099	1099	1100	1101	1099
20.0	1072	1071	1070	1069	1068	1067	1065	1064	1063	1061	1060	1059	1059	1059	1061
25.0	1022	1020	1019	1017	1016	1015	1015	1014	1014	1015	1016	1017	1015	1014	1013
30.0	970	968	967	965	964	963	961	959	958	957	957	958	959	962	960
35.0	904	902	900	898	897	896	896	894	895	896	897	894	894	895	898
40.0	836	834	833	831	830	829	827	825	825	824	823	824	826	826	825
45.0	755	752	751	749	748	747	746	746	747	748	749	748	748	747	750
50.0	671	670	668	666	665	664	662	662	662	661	663	665	667	666	666
55.0	579	576	575	573	572	572	571	572	572	573	575	574	576	579	582
60.0	484	482	481	480	480	480	479	479	479	480	481	482	484	485	486
65.0	384	382	381	380	380	380	381	382	383	386	388	389	390	391	392
70.0	284	282	281	280	280	281	281	283	285	288	290	293	297	300	301
75.0	192	191	190	190	190	191	191	193	194	196	198	199	202	206	209
80.0	102	101	100	100	101	102	103	105	108	111	113	116	119	122	124
85.0	51.3	51.4	51.6	51.8	51.9	52.1	52.1	52.1	52.2	52.3	52.2	52.2	52.0	51.8	51.2
90.0	3.53	3.53	3.53	3.48	3.48	3.53	3.53	3.53	3.53	3.53	3.53	3.59	3.64	3.64	3.59
95.0	3.94	3.93	3.93	3.90	3.90	3.90	3.91	3.89	3.91	3.89	3.92	3.93	3.93	3.92	3.90
100.0	4.35	4.33	4.32	4.32	4.32	4.28	4.30	4.28	4.32	4.33	4.39	4.43	4.47	4.56	4.69
105.0	4.86	4.86	4.87	4.86	4.87	4.86	4.89	4.89	4.95	4.98	5.05	5.12	5.23	5.37	5.50
110.0	5.37	5.39	5.42	5.41	5.42	5.44	5.48	5.49	5.57	5.61	5.68	5.79	5.90	6.09	6.30
115.0	5.87	5.91	5.96	5.95	5.96	6.02	6.07	6.06	6.18	6.21	6.31	6.42	6.66	6.76	7.09
120.0	6.38	6.44	6.51	6.50	6.51	6.58	6.65	6.62	6.79	6.80	7.04	7.11	7.30	7.43	7.72
125.0	6.98	6.96	7.06	7.05	7.06	7.11	7.23	7.18	7.38	7.50	7.55	7.70	7.88	8.20	8.36
130.0	7.54	7.48	7.61	7.59	7.61	7.64	7.81	7.87	7.95	8.12	8.11	8.47	8.52	8.60	9.10
135.0	8.06	8.00	8.15	8.14	8.15	8.19	8.38	8.47	8.40	8.69	8.87	8.86	9.28	9.33	9.54
140.0	8.58	8.52	8.70	8.69	8.70	8.73	8.95	9.04	8.99	9.20	9.42	9.52	9.60	10.0	10.0
145.0	9.10	9.11	9.24	9.23	9.24	9.28	9.44	9.61	9.71	9.59	9.95	10.1	10.3	10.3	10.5
150.0	9.61	9.82	9.79	9.78	9.79	9.82	9.87	10.1	10.2	10.3	10.2	10.5	10.8	11.0	11.2
155.0	10.1	10.3	10.3	10.3	10.3	10.3	10.4	10.5	10.8	10.9	11.0	10.9	11.0	11.4	11.6
160.0	10.9	10.9	10.8	10.8	10.8	10.9	10.9	11.0	11.1	11.4	11.5	11.6	11.7	11.8	11.7
165.0	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.6	11.8	12.1	12.2	12.3	12.4
170.0	12.0	11.9	11.9	11.9	11.9	11.9	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.4
175.0	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.6	12.6	12.7	12.7
180.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162
5.0	1148	1149	1150	1150	1151	1152	1154	1153	1153	1152	1152	1152	1152	1152	1152
10.0	1127	1128	1128	1130	1131	1133	1136	1135	1134	1134	1134	1134	1135	1136	1137
15.0	1098	1098	1099	1100	1102	1104	1108	1106	1106	1106	1106	1108	1110	1112	1115
20.0	1063	1062	1061	1062	1064	1067	1071	1069	1069	1069	1071	1074	1077	1077	1078
25.0	1013	1015	1016	1015	1016	1020	1025	1023	1022	1024	1028	1030	1030	1033	1037
30.0	959	959	961	962	962	965	971	968	969	972	975	976	979	983	988
35.0	900	897	897	900	899	902	908	905	906	910	911	916	923	924	925
40.0	827	831	828	829	830	832	839	836	838	840	844	851	851	852	858
45.0	749	752	755	751	753	753	760	757	760	762	772	773	774	779	781
50.0	667	666	670	670	669	671	679	674	677	682	687	687	691	697	703
55.0	578	580	581	586	579	580	588	583	586	598	596	600	605	615	617
60.0	491	490	487	489	490	488	496	491	497	499	501	510	519	519	522
65.0	393	396	396	395	400	391	399	393	406	402	410	417	419	424	430
70.0	300	301	305	301	301	299	305	299	303	309	318	318	325	334	340
75.0	213	214	212	214	211	212	211	212	211	219	221	232	238	241	244
80.0	126	128	132	132	129	126	126	122	127	135	141	146	148	153	158
85.0	50.7	52.9	54.4	52.8	54.6	50.5	48.0	42.2	51.3	55.0	63.4	69.3	74.5	78.6	82.3
90.0	3.59	3.64	3.69	3.69	3.69	3.74	7.07	3.64	3.64	3.64	3.90	5.30	7.44	9.99	12.7
95.0	3.90	4.02	4.26	4.74	5.81	8.52	9.31	6.03	4.58	4.04	3.81	3.68	3.69	4.65	5.92
100.0	4.88	5.16	5.68	6.52	7.95	10.5	8.53	6.89	5.58	4.92	4.51	4.30	4.23	4.25	4.20
105.0	5.80	6.13	6.79	7.73	9.13	10.9	8.53	7.15	6.23	5.63	5.19	4.91	4.80	4.76	4.64
110.0	6.66	7.10	7.87	8.52	9.75	11.1	8.11	7.37	6.50	6.14	5.69	5.45	5.38	5.20	5.22
115.0	7.27	7.89	8.45	8.98	10.0	11.0	8.17	7.39	6.94	6.55	6.19	6.11	5.91	5.57	5.79
120.0	8.10	8.33	9.09	9.72	10.4	11.3	8.22	7.75	7.31	6.95	6.77	6.58	6.14	6.28	6.23
125.0	8.68	9.14	9.53	9.99	10.8	11.5	8.79	8.25	7.63	7.48	7.06	6.71	6.91	6.86	6.63
130.0	9.23	9.61	10.0	10.6	11.1	11.7	8.48	8.14	7.81	7.59	7.80	7.78	7.48	7.22	7.00
135.0	9.95	10.3	10.4	11.1	11.3	11.8	9.31	9.06	8.96	8.67	8.35	8.06	7.79	7.55	7.54
140.0	10.4	10.5	11.1	11.5	11.9	12.3	9.73	9.42	9.12	8.84	8.56	8.31	8.32	8.09	7.75
145.0	11.1	11.1	11.4	11.7	12.1	12.5	9.73	9.53	9.42	9.29	9.04	8.81	8.34	8.09	7.91
150.0	11.2	11.4	11.7	12.3	12.6	12.9	9.68	9.52	9.45	9.38	8.87	8.68	8.50	8.34	8.19
155.0	11.8	12.1	12.3	12.5	12.6	12.7	9.68	9.51	9.34	9.17	9.02	8.86	8.72	8.84	8.51
160.0	11.8	12.0	12.4	12.7	12.9	13.1	10.0	9.92	9.70	9.43	9.21	9.09	9.22	8.95	8.77
165.0	12.5	12.6	12.8	12.9	13.1	13.2	9.73	9.63	9.53	9.44	9.35	9.26	9.17	9.09	9.02
170.0	12.7	12.9	13.0	13.1	13.2	13.3	9.73	9.66	9.60	9.54	9.48	9.42	9.36	9.31	9.26
175.0	12.7	12.8	12.8	12.9	12.9	13.0	9.73	9.69	9.64	9.57	9.50	9.41	9.31	9.20	9.08
180.0	13.0	13.0	13.0	13.0	13.0	13.0	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162
5.0	1152	1153	1153	1153	1154	1154	1155	1155	1156	1156	1156	1157	1157	1157	1157
10.0	1138	1139	1141	1143	1144	1145	1146	1148	1149	1150	1151	1151	1151	1151	1151
15.0	1116	1117	1118	1118	1119	1120	1122	1123	1124	1126	1126	1127	1128	1129	1130
20.0	1080	1082	1084	1087	1090	1093	1095	1097	1099	1101	1102	1102	1103	1103	1103
25.0	1040	1045	1046	1046	1048	1050	1051	1053	1055	1057	1059	1060	1061	1063	1064
30.0	988	990	992	995	998	1001	1005	1008	1011	1013	1015	1016	1017	1018	1018
35.0	927	931	936	939	941	943	946	948	950	953	955	957	959	960	962
40.0	862	864	867	872	876	879	884	887	890	892	894	896	897	897	898
45.0	787	792	798	801	804	806	808	811	814	816	819	821	823	825	827
50.0	711	713	715	718	722	726	730	734	737	741	743	745	747	747	748
55.0	619	623	629	633	636	640	643	646	649	652	655	657	659	661	663
60.0	528	532	538	542	547	551	555	558	561	563	565	567	568	569	570
65.0	436	442	447	450	453	457	460	462	465	467	470	472	473	474	475
70.0	343	346	349	353	356	360	363	366	369	371	374	376	377	378	379
75.0	247	252	257	261	265	268	271	273	276	278	279	281	282	283	284
80.0	164	168	171	174	176	178	180	181	183	184	185	187	187	188	189
85.0	87.4	90.7	93.7	96.6	99.1	102	104	105	107	108	109	110	110	110	109
90.0	15.3	17.9	20.3	22.6	24.7	26.6	28.2	29.5	30.7	31.6	32.4	32.9	33.1	33.1	32.8
95.0	7.31	8.83	10.3	11.8	13.2	14.5	15.6	16.5	17.2	17.8	18.1	18.2	18.0	17.6	16.9
100.0	4.19	4.11	4.03	3.96	3.92	3.91	3.92	3.91	3.91	3.95	3.95	4.01	4.02	4.03	4.04
105.0	4.68	4.57	4.48	4.40	4.32	4.32	4.30	4.28	4.27	4.26	4.27	4.28	4.29	4.27	4.24
110.0	5.15	5.02	4.94	4.78	4.71	4.71	4.67	4.65	4.63	4.58	4.58	4.57	4.56	4.53	4.44
115.0	5.60	5.45	5.38	5.18	5.10	5.09	5.05	5.02	4.99	4.89	4.89	4.88	4.82	4.77	4.63
120.0	6.03	5.95	5.71	5.57	5.49	5.52	5.42	5.38	5.33	5.20	5.21	5.17	5.09	5.01	4.88
125.0	6.43	6.38	6.07	5.96	5.97	5.87	5.79	5.75	5.66	5.51	5.52	5.46	5.35	5.42	5.16
130.0	6.96	6.69	6.45	6.33	6.29	6.21	6.16	6.12	5.96	5.82	5.83	5.75	5.71	5.68	5.54
135.0	7.11	6.95	6.81	6.76	6.74	6.58	6.52	6.48	6.24	6.14	6.14	6.03	5.98	5.92	5.77
140.0	7.44	7.29	7.16	7.10	7.01	6.94	6.88	6.75	6.50	6.45	6.46	6.41	6.23	6.18	6.36
145.0	7.76	7.62	7.60	7.59	7.37	7.30	7.25	7.08	6.77	6.76	6.77	6.79	6.63	6.60	6.48
150.0	8.15	7.99	8.04	7.79	7.72	7.65	7.60	7.57	7.08	7.07	7.08	7.10	6.91	6.73	6.73
155.0	8.56	8.30	8.20	8.13	8.06	8.00	7.79	7.74	7.39	7.39	7.39	7.41	7.37	7.23	7.06
160.0	8.68	8.59	8.52	8.45	8.40	8.28	8.30	7.84	7.70	7.70	7.63	7.72	7.74	7.58	7.54
165.0	8.95	8.88	8.83	8.78	8.52	8.68	8.33	8.02	8.01	8.01	7.81	8.02	8.04	8.06	8.01
170.0	9.21	8.98	8.90	9.09	8.82	8.51	8.34	8.33	8.33	8.32	8.05	8.25	8.34	8.36	8.38
175.0	8.94	8.79	8.69	8.68	8.66	8.65	8.65	8.64	8.64	8.64	8.49	8.35	8.41	8.55	8.66
180.0	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95

Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-10-18

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)											
	300	305	310	315	320	325	330	335	340	345	350	355
0.0	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162	1162
5.0	1157	1158	1158	1158	1158	1158	1159	1159	1159	1159	1160	1160
10.0	1151	1151	1150	1150	1149	1149	1148	1148	1148	1148	1148	1149
15.0	1131	1132	1133	1134	1135	1133	1131	1129	1128	1128	1128	1128
20.0	1103	1102	1102	1102	1103	1104	1106	1104	1101	1099	1098	1098
25.0	1065	1067	1068	1067	1066	1065	1066	1067	1066	1062	1060	1059
30.0	1018	1018	1019	1020	1021	1019	1018	1017	1019	1018	1014	1012
35.0	965	968	966	964	964	965	966	963	962	964	957	954
40.0	899	900	901	904	904	901	899	900	897	898	896	891
45.0	829	829	829	829	831	834	829	827	827	824	828	818
50.0	748	749	750	750	750	750	754	750	746	744	745	740
55.0	665	667	666	664	664	664	663	667	663	660	658	655
60.0	571	572	573	577	576	572	571	571	575	568	565	567
65.0	476	476	476	476	478	481	478	473	473	478	471	474
70.0	380	380	379	379	377	377	379	381	376	375	374	372
75.0	285	285	285	285	283	281	278	278	282	276	280	274
80.0	190	190	191	190	190	189	189	187	182	183	182	183
85.0	109	108	106	105	103	98.8	95.9	95.3	94.9	91.3	88.9	91.0
90.0	32.2	31.4	30.3	28.9	27.2	25.2	23.0	20.4	17.5	14.4	10.8	7.18
95.0	15.9	14.7	13.2	11.4	9.38	6.98	4.25	4.01	3.91	3.81	3.44	2.57
100.0	4.06	4.11	4.12	4.17	4.19	4.09	3.98	3.78	3.63	3.50	3.08	2.32
105.0	4.27	4.26	4.25	4.28	4.29	4.14	3.90	3.64	3.21	3.24	3.02	2.65
110.0	4.53	4.47	4.38	4.41	4.41	4.24	3.89	3.66	3.34	2.71	2.71	2.62
115.0	4.71	4.72	4.54	4.54	4.51	4.47	4.16	3.77	3.46	3.05	2.75	2.05
120.0	4.87	4.92	4.77	4.66	4.72	4.66	4.45	4.16	3.65	3.35	3.14	2.99
125.0	5.06	5.27	5.18	4.89	4.83	4.90	4.80	4.68	4.35	4.07	3.55	3.40
130.0	5.25	5.31	5.37	5.29	4.96	5.01	5.08	4.95	5.01	4.89	4.52	4.54
135.0	5.63	5.48	5.72	5.63	5.53	5.26	5.17	5.24	5.33	5.40	5.20	5.28
140.0	6.06	5.75	5.72	6.01	5.88	5.98	5.59	5.43	5.39	5.47	5.55	5.63
145.0	6.44	6.30	5.99	5.96	6.05	6.42	6.21	6.32	6.21	5.98	5.96	6.05
150.0	6.78	6.74	6.63	6.41	6.18	6.25	6.33	6.70	6.86	6.65	6.71	6.81
155.0	7.02	7.08	7.34	6.90	6.97	6.71	6.62	6.51	6.59	6.67	6.75	6.83
160.0	7.31	7.53	7.36	7.42	7.54	7.68	7.27	7.34	7.42	7.39	7.31	7.29
165.0	7.84	7.87	7.71	7.80	7.86	7.71	7.77	7.83	7.89	7.96	8.03	8.10
170.0	8.41	8.43	8.33	8.18	8.21	8.25	8.29	8.32	8.23	8.17	8.14	8.14
175.0	8.68	8.69	8.71	8.73	8.75	8.77	8.79	8.82	8.84	8.87	8.89	8.92
180.0	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95

Test System:HOPOO HPG1900
 Temperature:25.3DEG
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Test Set: 7.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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