

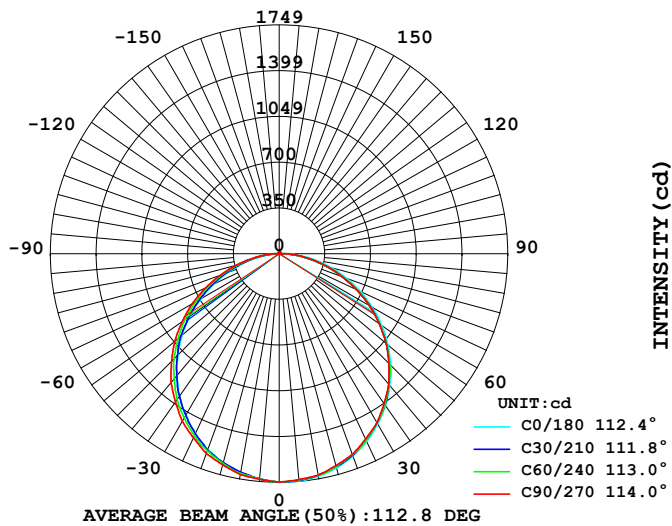
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

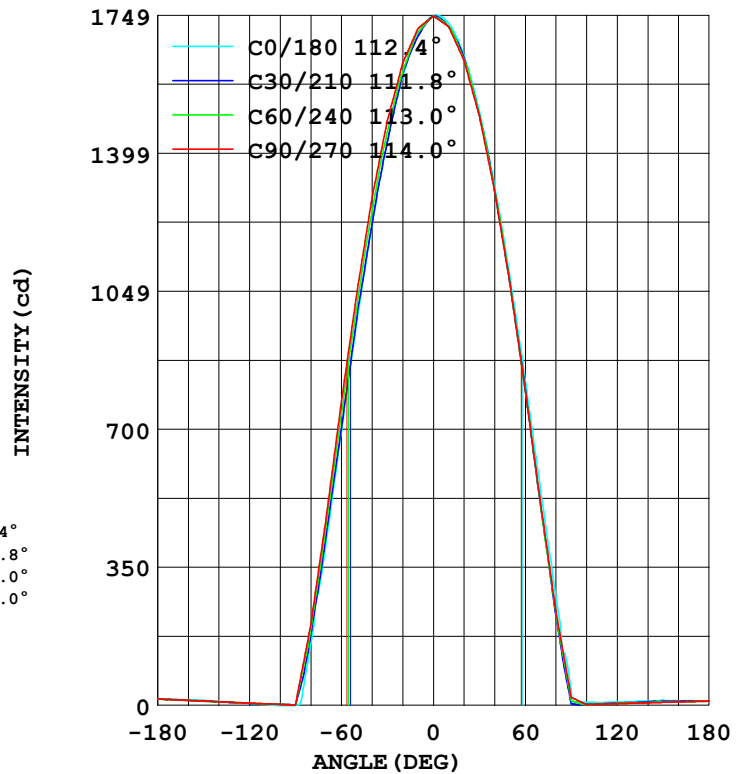
MANUFACTURER:		Address:	
NAME:		TYPE:	WEIGHT:
SPECIFICATION:		DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1749	S/MH (C0/180)	1.22
MODEL		EFFICIENCY (%)	100.7	S/MH (C90/270)	1.26
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	5073.0	Voltage (V)	120.4
RATED VOLTAGE (V)	120	EFFICIENCY (lm/W)	124.7	Current (A)	0.351
NOMINAL FLUX (lm)	5037.0	η up (%)	0.8	Power (W)	40.66
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.975
TEST VOLTAGE (V)	120.4	Effective Flux (lm)	4957.2	EET	0.112

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



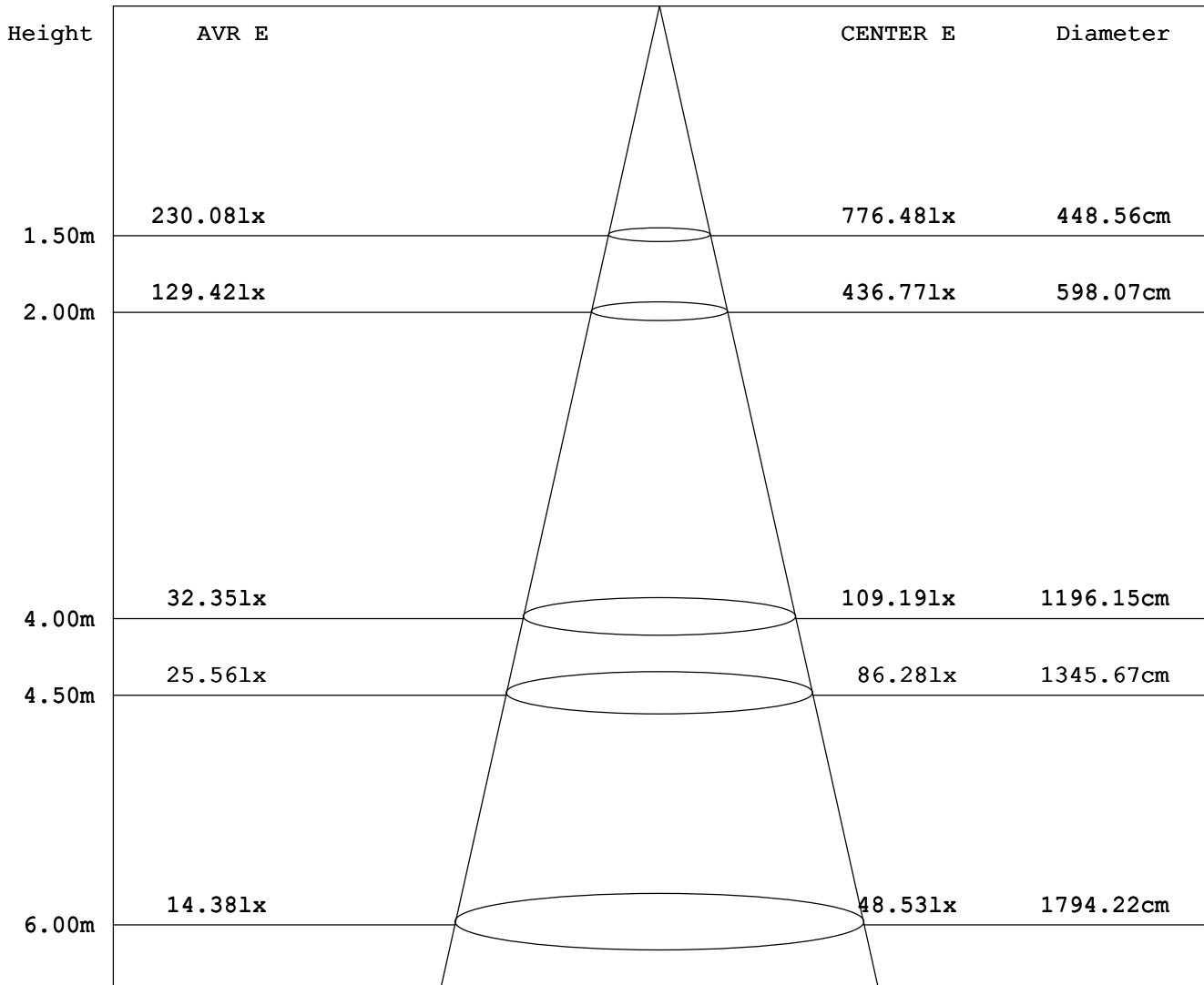
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

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



Angle:112.4deg

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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	1732	1727	1731	1736	1746	1738	1734	1728	0- 5	41.57	41.57
10.0	1700	1698	1716	1719	1728	1720	1720	1703	5- 10	123.2	164.8
15.0	1653	1660	1671	1689	1695	1690	1678	1667	10- 15	200.8	365.6
20.0	1593	1596	1627	1636	1647	1636	1635	1606	15- 20	271.4	637.0
25.0	1515	1526	1554	1577	1582	1576	1565	1539	20- 25	333.0	970.1
30.0	1428	1441	1481	1500	1506	1498	1495	1455	25- 30	383.0	1353
35.0	1330	1343	1384	1407	1420	1406	1400	1363	30- 35	420.4	1774
40.0	1215	1238	1287	1306	1315	1305	1304	1263	35- 40	443.5	2217
45.0	1096	1115	1164	1193	1206	1192	1187	1143	40- 45	451.8	2669
50.0	969.8	992.0	1042	1077	1088	1075	1069	1022	45- 50	444.8	3114
55.0	837.8	859.0	905.6	936.5	956.1	935.2	933.5	895.4	50- 55	423.1	3537
60.0	693.3	724.4	768.9	797.8	824.2	796.2	797.8	766.4	55- 60	387.5	3925
65.0	554.2	581.4	621.5	653.4	689.0	653.3	655.3	622.8	60- 65	339.8	4264
70.0	416.0	443.3	474.2	509.9	544.5	509.6	512.7	486.6	65- 70	282.0	4546
75.0	284.3	310.7	339.1	361.6	408.2	360.8	375.7	359.8	70- 75	218.1	4765
80.0	156.5	188.2	204.1	229.4	278.9	231.4	238.7	234.0	75- 80	152.4	4917
85.0	40.93	83.84	102.4	110.0	134.6	113.7	129.4	120.3	80- 85	87.41	5004
90.0	1.273	0.910	0.728	3.911	40.75	7.095	20.19	21.65	85- 90	30.49	5035
95.0	0	1.743	1.410	2.418	7.459	3.251	11.05	7.861	90- 95	3.127	5038
100.0	0	2.419	2.092	2.469	7.459	2.074	1.910	2.165	95-100	1.578	5040
105.0	0.546	2.972	2.956	3.580	7.550	2.811	2.456	2.287	100-105	1.446	5041
110.0	2.001	3.660	3.820	4.618	7.004	3.519	3.002	2.305	105-110	1.752	5043
115.0	3.456	4.434	4.684	5.529	7.823	4.192	3.547	2.535	110-115	2.033	5045
120.0	4.912	5.017	5.549	6.696	8.005	4.891	4.093	2.799	115-120	2.298	5047
125.0	6.367	5.882	6.413	7.595	8.096	5.934	4.639	3.173	120-125	2.525	5050
130.0	7.186	6.753	7.277	8.803	8.915	6.716	5.185	3.724	125-130	2.716	5052
135.0	8.642	7.789	8.141	9.642	10.37	7.741	5.731	4.352	130-135	2.843	5055
140.0	10.09	8.806	9.006	10.07	10.37	8.009	6.276	5.035	135-140	2.880	5058
145.0	10.82	9.385	9.870	11.27	11.82	8.562	6.822	5.362	140-145	2.856	5061
150.0	12.28	10.19	10.73	11.99	12.55	8.960	7.368	6.641	145-150	2.759	5064
155.0	13.00	11.35	11.59	12.83	11.91	9.122	7.914	7.527	150-155	2.547	5066
160.0	13.73	12.23	12.46	13.92	11.28	10.16	8.460	8.471	155-160	2.254	5069
165.0	14.46	13.43	13.32	14.06	12.00	10.64	9.006	8.302	160-165	1.881	5070
170.0	15.19	14.65	14.19	14.69	12.00	10.40	9.551	9.239	165-170	1.426	5072
175.0	14.55	15.30	15.05	15.30	10.64	10.25	10.09	10.25	170-175	0.891	5073
180.0	15.91	15.91	15.91	15.91	10.64	10.64	10.64	10.64	175-180	0.310	5073
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

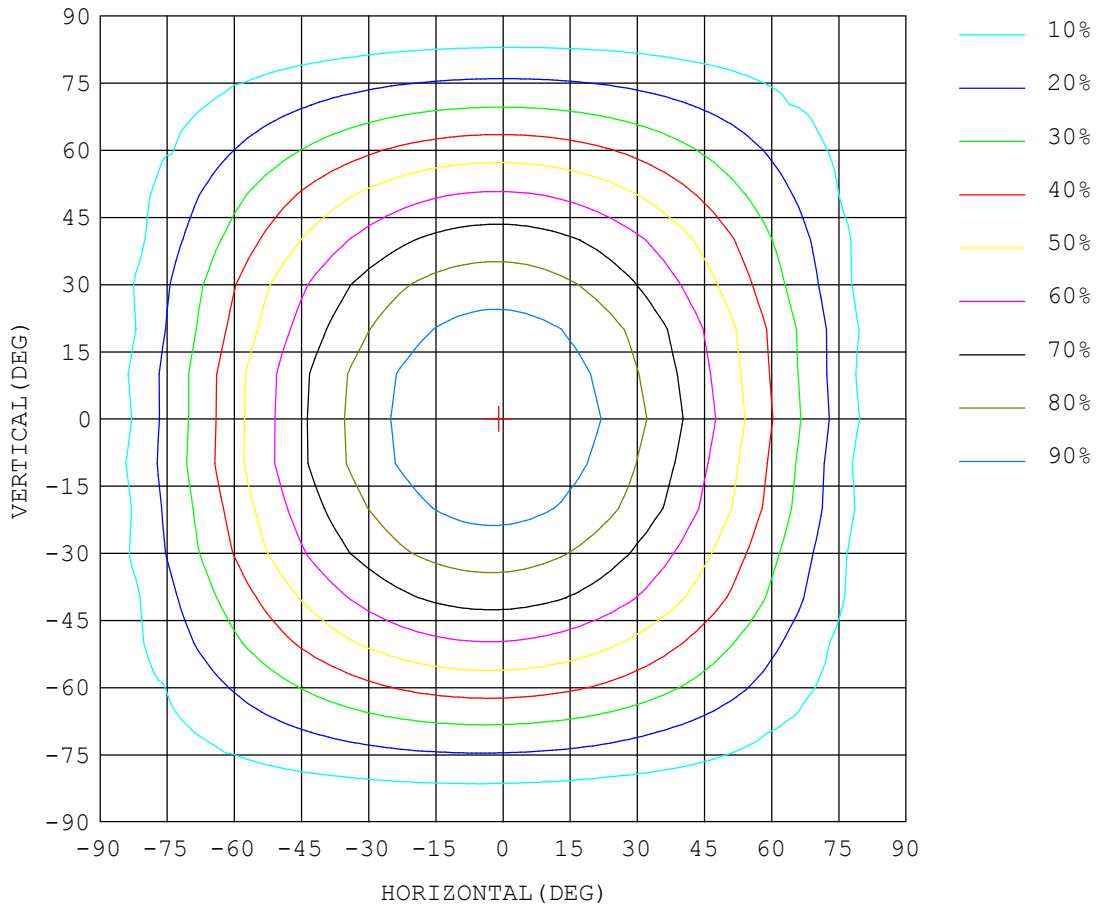
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



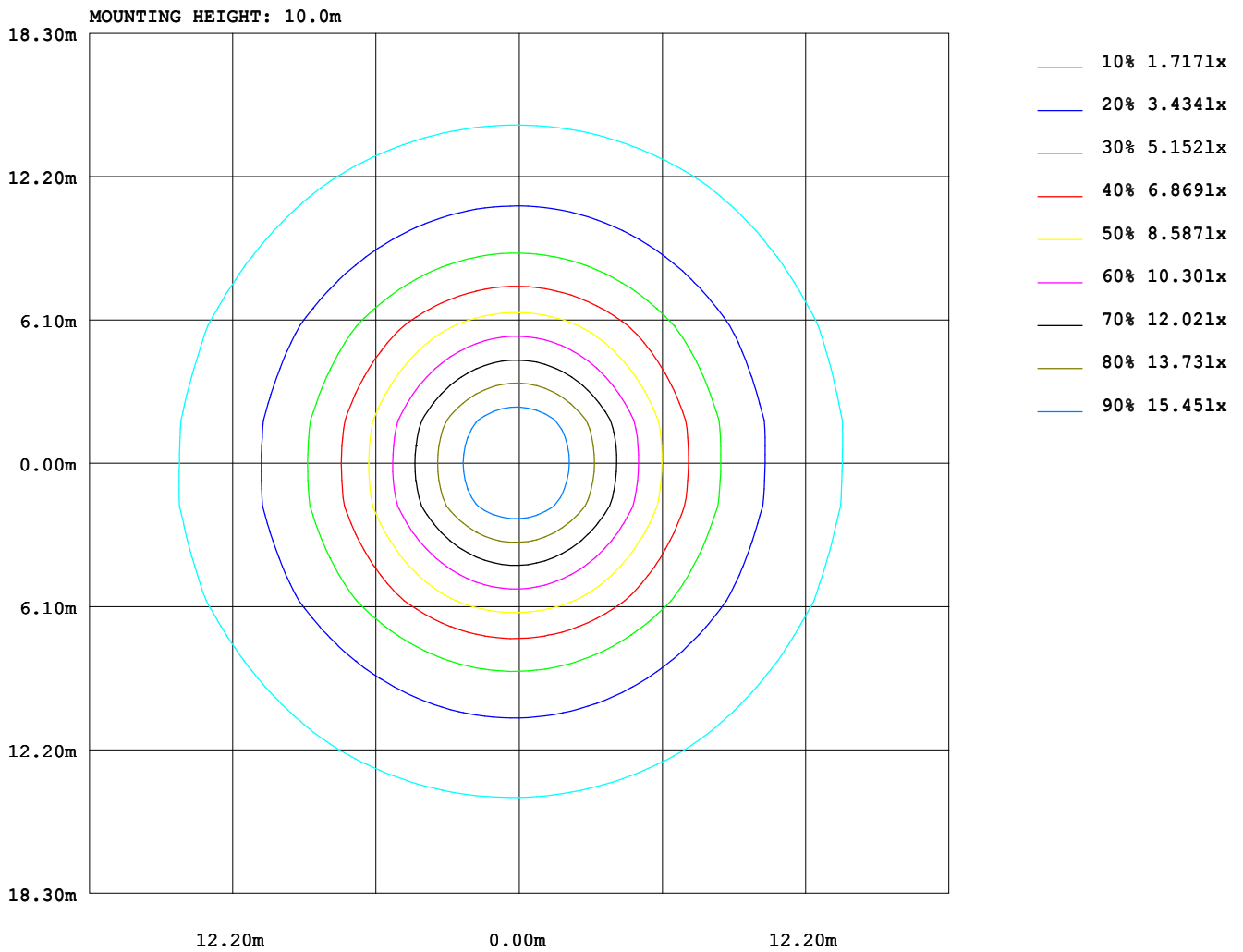
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	0.00	0.01	0.05	0.12	0.21	0.35	0.53	0.70	0.84	0.94	0.94	0.90	0.81	0.67	0.51	0.33	0.15	0.02	8.07	0.00		
	80	0.05	0.55	1.62	3.15	4.96	6.81	8.49	9.77	10.4	10.4	9.81	8.57	6.89	5.02	3.22	1.69	0.58	0.05	92.2	84.9		
	70	0.14	1.12	3.09	5.85	9.17	12.6	15.8	18.3	19.5	19.5	18.1	15.6	12.4	8.91	5.61	2.85	0.99	0.09	170	168		
	60	0.22	1.60	4.43	8.50	13.4	18.5	23.1	26.5	28.3	28.2	26.2	22.5	17.8	12.7	7.92	4.08	1.35	0.12	246	245		
	50	0.31	2.22	5.84	11.1	17.5	24.0	29.8	34.1	36.3	36.1	33.4	28.8	22.7	16.2	10.0	4.99	1.64	0.15	316	315		
	40	0.34	2.48	6.84	13.1	20.5	28.2	35.1	40.2	42.9	42.7	39.7	34.2	27.2	19.4	12.1	6.07	2.08	0.20	374	373		
	30	0.47	3.01	8.01	15.1	23.5	32.1	39.7	45.3	48.0	47.6	44.1	37.9	30.0	21.4	13.2	6.55	2.09	0.20	419	418		
		0.41	3.01	8.31	15.8	24.7	33.8	42.0	48.2	51.4	51.2	47.7	41.2	32.8	23.6	14.7	7.41	2.56	0.26	450	449		
		0.58	3.39	9.05	17.0	26.3	35.7	44.1	50.2	53.3	52.8	48.8	42.0	33.2	23.7	14.6	7.23	2.27	0.21	465	465		
		0.44	3.23	8.77	16.6	25.8	35.2	43.6	49.9	53.2	52.9	49.1	42.4	33.7	24.2	15.1	7.52	2.55	0.25	465	465		
		0.58	3.38	8.91	16.6	25.6	34.7	42.7	48.6	51.4	50.9	46.9	40.2	31.7	22.5	13.8	6.75	2.04	0.18	448	448		
	-30	0.43	2.97	7.96	15.0	23.3	31.8	39.3	45.0	47.9	47.5	44.0	37.9	30.0	21.4	13.2	6.54	2.22	0.19	417	417		
	-40	0.50	2.83	7.38	13.7	21.2	28.8	35.4	40.3	42.6	42.1	38.8	33.1	26.0	18.4	11.2	5.42	1.63	0.13	370	369		
	-50	0.32	2.25	5.96	11.2	17.4	23.8	29.6	33.8	36.0	35.7	33.0	28.4	22.4	15.8	9.74	4.78	1.63	0.13	312	312		
	-60	0.32	1.91	4.84	8.99	13.8	18.8	23.2	26.3	27.8	27.4	25.2	21.4	16.7	11.7	7.10	3.43	1.00	0.07	241	239		
	-70	0.20	1.24	3.27	6.04	9.33	12.7	15.7	18.0	19.1	18.9	17.4	14.9	11.7	8.24	5.04	2.55	0.76	0.04	166	163		
	-80	0.12	0.80	2.00	3.47	5.20	6.92	8.42	9.49	9.94	9.71	8.87	7.51	5.82	4.06	2.45	1.15	0.27	0.01	86.2	76.5		
	-90	0.04	0.24	0.56	0.95	1.35	1.74	2.06	2.28	2.36	2.28	2.07	1.76	1.37	0.95	0.56	0.24	0.04	0.00	20.8	2.47		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φt		5.46	36.2	96.9	183	284	387	479	548	582	578	535	460	364	259	161	79.6	25.9	2.31	5073			
Φa		2.47	32.7	93.5	180	281	385	477	545	579	575	532	457	361	256	157	75.6	19.9	0.02		4957		

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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

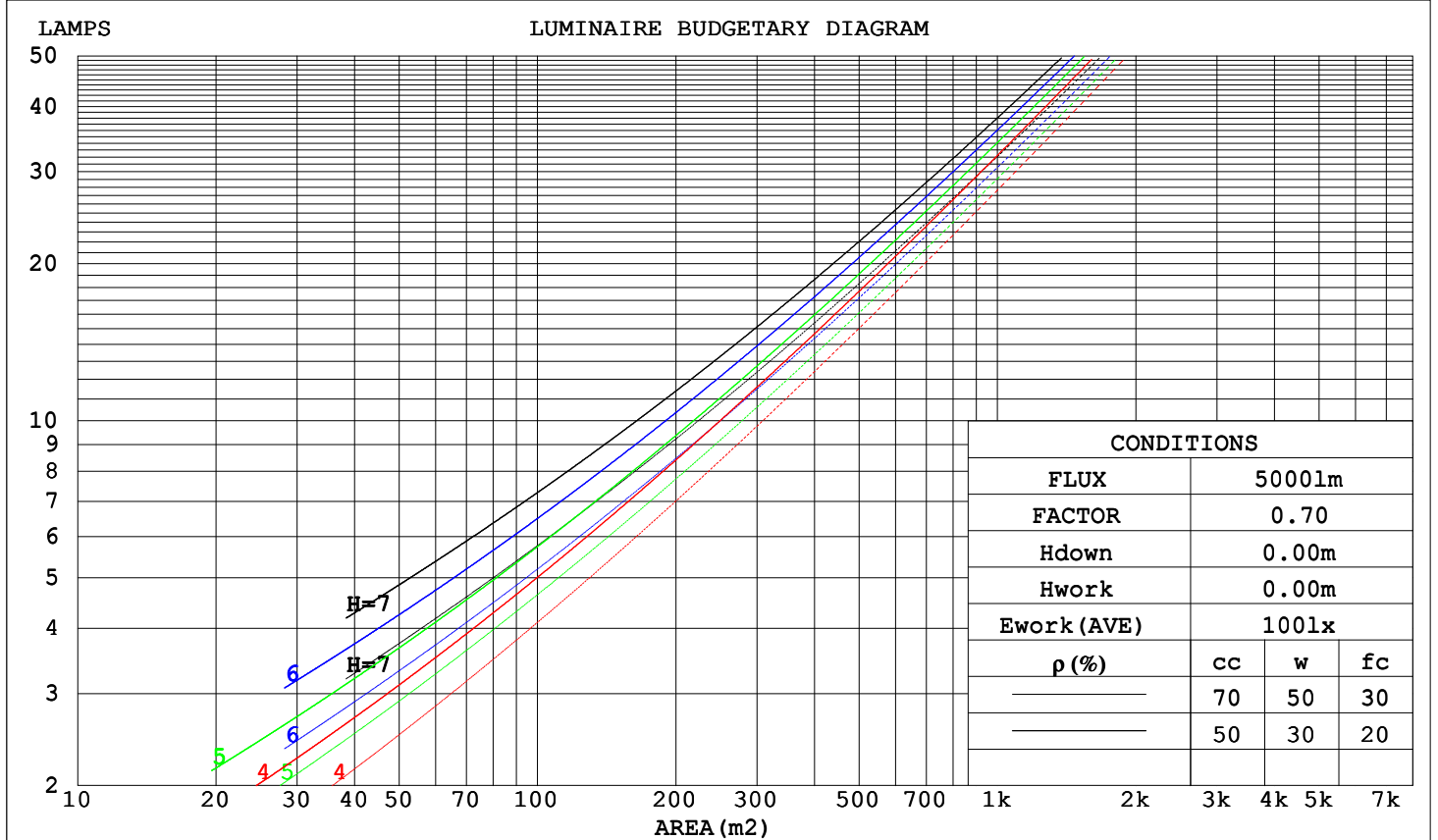
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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	.89	.87	.85	.83
2.0	.91	.84	.78	.89	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.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	.52	.49
5.0	.63	.54	.47	.62	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	.318	.181	.057	.311	.177	.056	.297	.170	.054	.284	.164	.053	.273	.158	.051	
2.0	.297	.163	.050	.291	.160	.049	.279	.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	.117	.034	.220	.115	.034	.212	.112	.033	.205	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.105	.030	.197	.103	.030	.191	.100	.030	
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.184	.094	.027	.178	.093	.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	.158	.077	.022	.153	.076	.022	.148	.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 _c	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	.119	.090	.106	.083	.063	.061	.048	.037	.020	.016	.012	
3.0	.172	.121	.080	.147	.104	.070	.101	.073	.049	.058	.042	.029	.019	.014	.009	
4.0	.164	.108	.064	.141	.093	.056	.097	.065	.039	.056	.038	.023	.018	.012	.008	
5.0	.157	.097	.053	.135	.084	.046	.093	.059	.033	.054	.034	.019	.017	.011	.006	
6.0	.150	.089	.045	.129	.077	.039	.089	.054	.028	.051	.032	.017	.017	.010	.005	
7.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
8.0	.136	.076	.035	.117	.066	.030	.081	.046	.022	.047	.027	.013	.015	.009	.004	
9.0	.130	.071	.031	.112	.062	.027	.078	.043	.019	.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: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	15.0	16.5	15.3	16.7	16.9	15.4	16.9	15.7	17.1	17.4
3H	16.3	17.7	16.6	18.0	18.2	16.9	18.3	17.2	18.6	18.8
4H	16.9	18.2	17.2	18.5	18.7	17.5	18.9	17.9	19.1	19.4
6H	17.2	18.5	17.6	18.8	19.1	18.0	19.2	18.3	19.5	19.8
8H	17.3	18.5	17.6	18.8	19.1	18.1	19.4	18.5	19.7	20.0
12H	17.3	18.5	17.7	18.8	19.1	18.3	19.4	18.6	19.7	20.1
4H 2H	15.6	16.9	15.9	17.2	17.5	15.9	17.3	16.3	17.5	17.8
3H	17.2	18.3	17.5	18.6	19.0	17.6	18.8	18.0	19.1	19.4
4H	17.8	18.9	18.2	19.2	19.6	18.4	19.5	18.8	19.8	20.1
6H	18.3	19.2	18.7	19.6	20.0	19.0	19.9	19.4	20.3	20.7
8H	18.4	19.3	18.8	19.7	20.1	19.2	20.1	19.6	20.5	20.9
12H	18.4	19.3	18.9	19.7	20.1	19.4	20.2	19.8	20.6	21.0
8H 4H	18.1	19.0	18.5	19.4	19.8	18.6	19.5	19.0	19.9	20.3
6H	18.7	19.5	19.2	19.9	20.3	19.3	20.1	19.8	20.5	20.9
8H	18.9	19.6	19.4	20.0	20.5	19.6	20.3	20.1	20.7	21.2
12H	19.0	19.6	19.5	20.1	20.6	19.9	20.5	20.4	20.9	21.4
12H 4H	18.1	18.9	18.6	19.3	19.8	18.6	19.4	19.1	19.8	20.3
6H	18.8	19.4	19.3	19.9	20.4	19.4	20.0	19.9	20.5	20.9
8H	19.0	19.6	19.5	20.1	20.6	19.7	20.3	20.2	20.8	21.3

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 / - 0.2	+ 0.2 / - 0.3

CIE Pub.117 Corrected 5037 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.6)

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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	46	39	57	45	38	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	82	72	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	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	106	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			

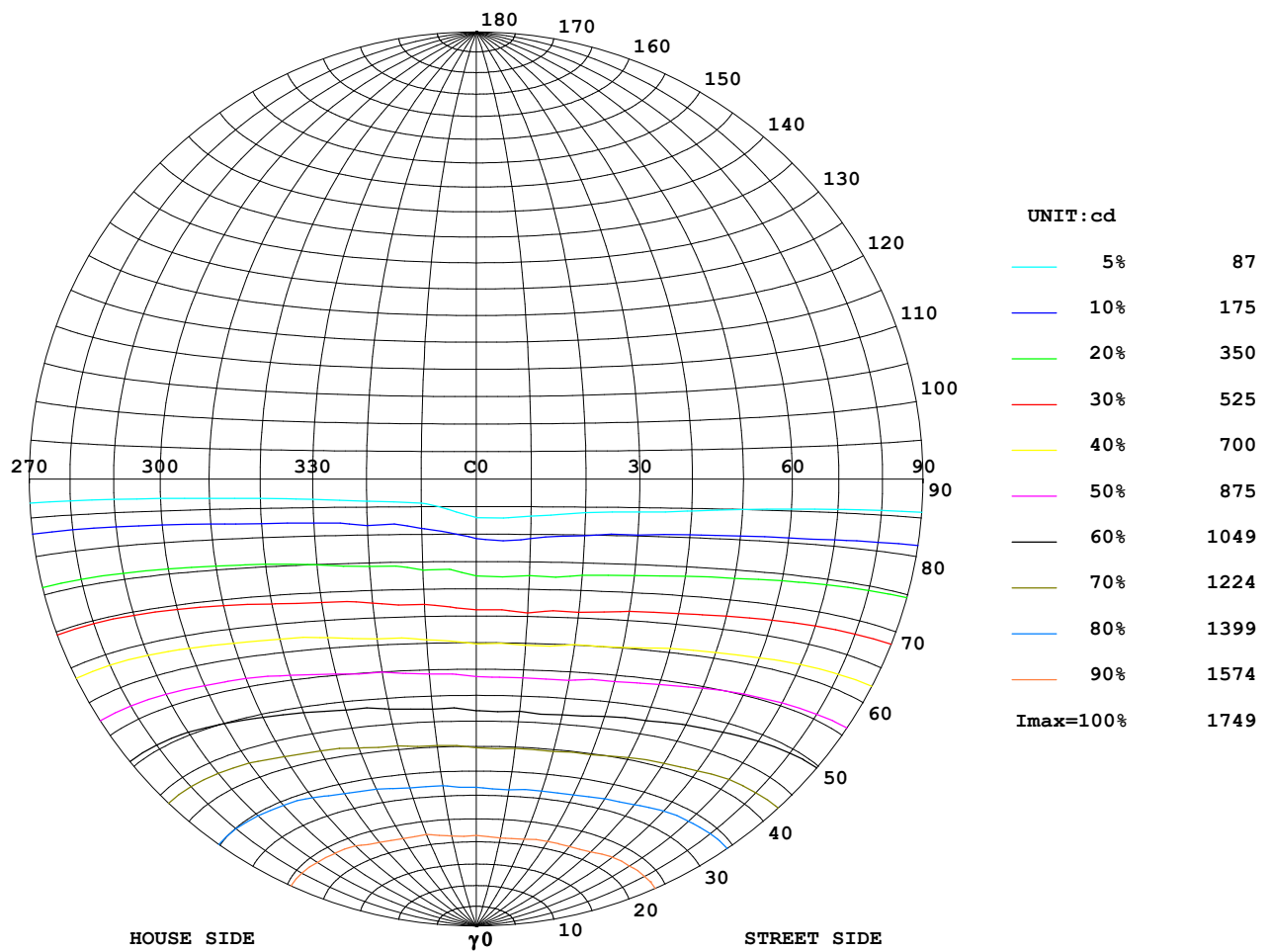
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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

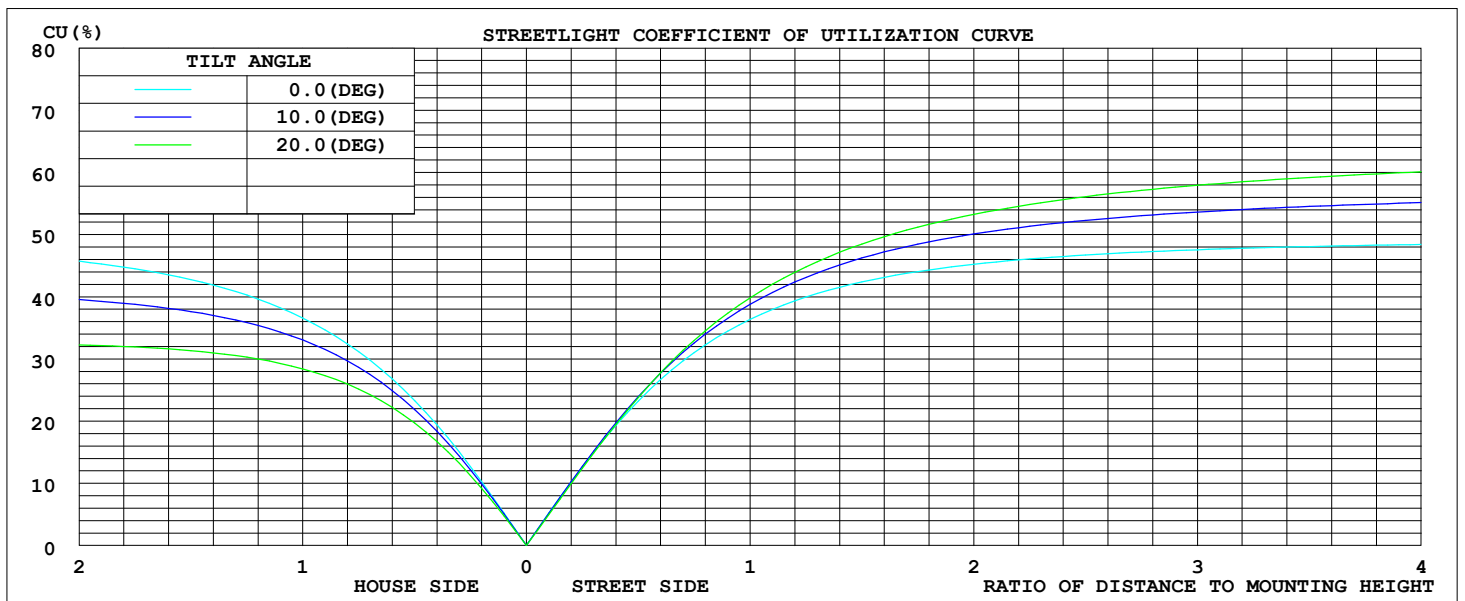
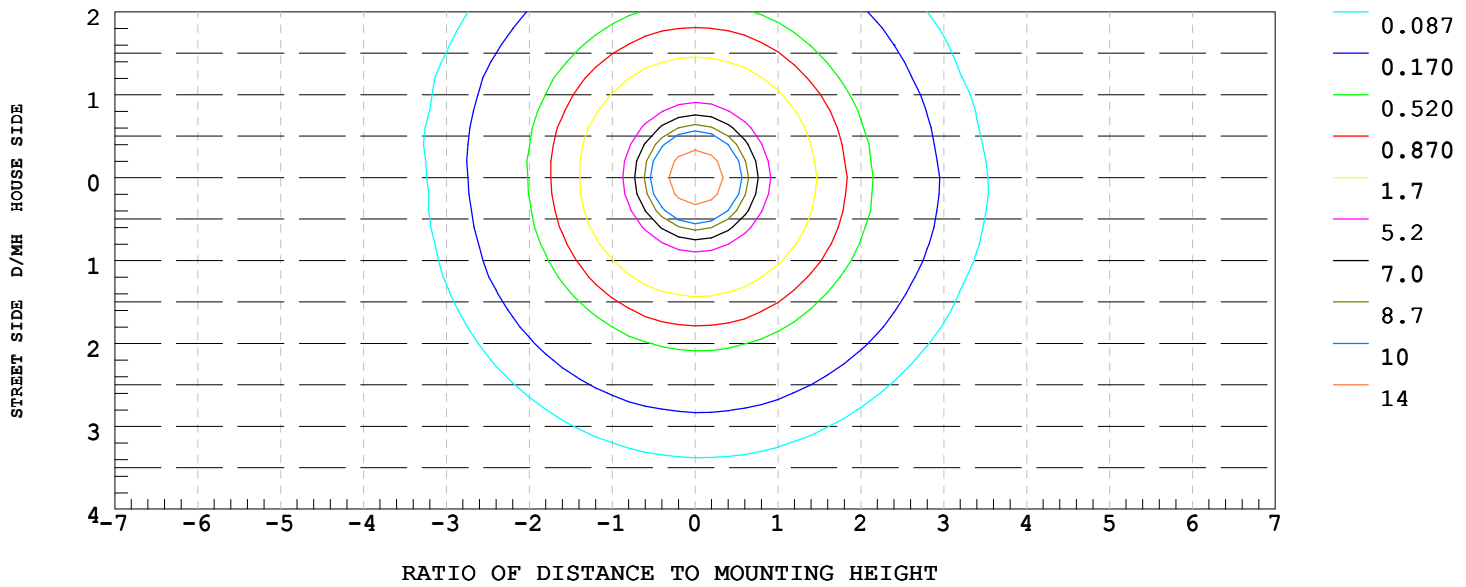
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 17.47 lx



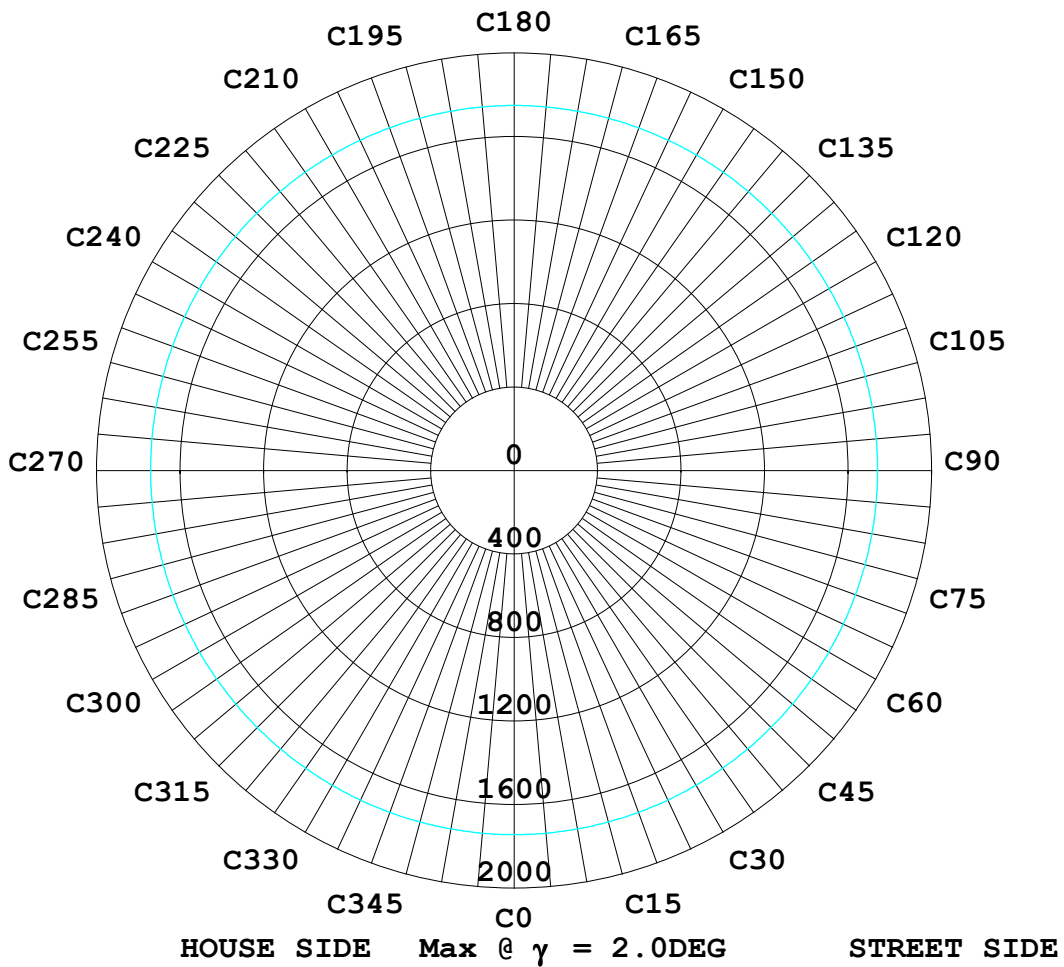
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747
5.0	1732	1730	1729	1729	1728	1727	1727	1727	1726	1727	1727	1728	1729	1730	1730
10.0	1700	1698	1696	1695	1695	1695	1696	1696	1697	1698	1701	1704	1706	1707	1710
15.0	1653	1650	1648	1647	1649	1651	1653	1656	1659	1660	1660	1660	1660	1663	1665
20.0	1593	1589	1587	1587	1589	1594	1599	1596	1595	1596	1599	1601	1605	1609	1613
25.0	1515	1512	1512	1514	1518	1520	1519	1519	1520	1526	1532	1533	1536	1538	1541
30.0	1428	1423	1423	1430	1432	1427	1427	1434	1438	1441	1442	1447	1452	1457	1463
35.0	1330	1324	1325	1332	1327	1327	1330	1335	1335	1343	1351	1357	1361	1364	1367
40.0	1215	1213	1218	1216	1213	1220	1219	1225	1232	1238	1242	1246	1250	1257	1264
45.0	1096	1093	1102	1094	1094	1095	1102	1112	1114	1115	1123	1132	1138	1141	1145
50.0	970	967	967	963	966	971	981	980	987	992	997	1001	1009	1015	1021
55.0	838	836	831	826	833	843	840	848	853	859	866	874	879	883	887
60.0	693	696	688	689	701	699	702	709	718	724	728	732	737	743	749
65.0	554	556	542	555	555	560	568	576	578	581	588	593	597	602	606
70.0	416	413	408	414	418	429	431	434	439	443	448	452	456	459	462
75.0	284	283	286	284	297	295	299	304	308	311	313	318	322	325	328
80.0	157	150	160	167	171	180	178	184	186	188	190	192	193	195	197
85.0	40.9	40.4	49.4	61.2	66.9	69.4	70.6	75.7	80.2	83.8	86.9	89.8	92.1	94.3	96.5
90.0	1.27	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.91	0.91	0.91	0.82	0.82	0.82	0.73
95.0	0.00	0.11	1.39	1.84	2.00	2.03	1.99	1.85	1.82	1.74	1.67	1.59	1.55	1.52	1.46
100.0	0.00	0.05	1.06	1.78	2.04	2.32	2.38	2.39	2.43	2.41	2.38	2.32	2.28	2.23	2.21
105.0	0.55	0.87	1.57	2.00	2.46	2.61	2.77	2.87	3.01	2.97	3.02	3.00	3.00	2.97	2.97
110.0	2.00	2.00	2.13	2.73	3.00	3.17	3.42	3.48	3.51	3.66	3.63	3.72	3.72	3.70	3.73
115.0	3.45	3.26	3.52	3.39	3.64	3.98	3.95	4.21	4.21	4.43	4.42	4.50	4.58	4.48	4.61
120.0	4.91	4.59	4.34	4.21	4.69	4.57	4.72	4.91	4.99	5.01	5.08	5.29	5.24	5.30	5.34
125.0	6.36	5.98	5.49	5.18	5.49	5.65	5.65	5.73	5.83	5.88	5.83	5.97	6.04	6.08	6.17
130.0	7.18	6.80	6.45	6.66	6.30	6.45	6.56	6.65	6.73	6.75	6.88	6.74	6.77	6.71	7.00
135.0	8.64	8.23	7.83	7.45	7.65	7.80	7.43	7.56	7.61	7.78	7.88	7.62	7.59	7.78	7.78
140.0	10.0	9.67	9.26	8.87	8.49	8.69	8.43	8.31	8.67	8.80	8.54	8.59	8.36	8.70	8.84
145.0	10.8	10.4	10.0	9.92	9.76	9.83	9.82	9.49	9.31	9.38	9.49	9.10	9.39	9.45	9.62
150.0	12.2	11.9	11.5	11.1	10.8	11.1	10.4	10.5	10.2	10.1	10.0	10.2	10.3	10.3	10.5
155.0	13.0	12.6	12.3	12.0	11.4	11.5	11.5	11.4	10.9	11.3	11.4	11.2	11.2	11.4	11.3
160.0	13.7	13.4	13.0	12.5	12.4	13.0	12.4	12.4	12.4	12.2	12.4	12.3	12.3	12.2	12.4
165.0	14.4	14.2	14.0	13.8	13.6	13.7	13.9	13.3	13.3	13.4	13.2	13.1	13.3	13.1	12.4
170.0	15.1	15.0	14.9	14.7	14.6	14.4	14.3	14.2	14.3	14.6	14.2	13.6	13.2	14.1	14.2
175.0	14.5	14.5	14.5	14.5	14.6	14.8	15.0	15.2	15.3	15.3	15.2	15.2	15.1	15.1	15.1
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: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747
5.0	1730	1730	1731	1731	1732	1733	1733	1734	1735	1735	1735	1736	1736	1737	1738
10.0	1712	1714	1715	1716	1718	1718	1719	1719	1719	1720	1719	1719	1719	1718	1718
15.0	1666	1668	1671	1671	1674	1676	1677	1679	1681	1682	1684	1687	1689	1690	1688
20.0	1618	1621	1626	1627	1631	1632	1633	1634	1634	1635	1635	1635	1636	1637	1639
25.0	1545	1548	1552	1554	1558	1561	1564	1566	1569	1572	1577	1580	1577	1575	1575
30.0	1468	1473	1479	1481	1485	1488	1489	1490	1491	1492	1493	1496	1500	1505	1504
35.0	1371	1376	1381	1384	1388	1392	1395	1398	1401	1404	1408	1406	1407	1409	1413
40.0	1270	1275	1282	1287	1291	1295	1297	1298	1299	1300	1302	1303	1306	1307	1307
45.0	1150	1155	1160	1164	1169	1174	1177	1182	1186	1191	1195	1193	1193	1194	1197
50.0	1027	1032	1038	1042	1046	1050	1052	1055	1058	1061	1064	1069	1077	1074	1074
55.0	892	896	901	906	910	914	917	920	924	927	930	932	937	944	951
60.0	754	758	764	769	773	777	779	782	785	788	791	794	798	801	806
65.0	610	613	618	622	626	630	633	637	641	646	650	652	653	656	660
70.0	466	468	471	474	478	481	485	489	492	496	500	505	510	516	517
75.0	331	333	336	339	342	345	347	350	352	354	357	359	362	367	373
80.0	198	199	201	204	207	209	212	215	218	221	224	227	229	233	235
85.0	98.2	99.3	101	102	104	105	105	106	106	107	108	109	110	111	112
90.0	0.82	0.82	0.82	0.73	0.73	0.82	0.82	0.82	0.91	1.18	1.91	2.82	3.91	5.09	6.18
95.0	1.47	1.46	1.50	1.41	1.41	1.46	1.47	1.44	1.50	1.60	1.89	2.21	2.41	2.48	2.31
100.0	2.14	2.11	2.18	2.09	2.09	2.11	2.13	2.11	2.17	2.20	2.26	2.36	2.46	2.59	2.76
105.0	2.94	2.94	2.96	2.95	2.96	2.99	3.02	3.06	3.11	3.17	3.26	3.39	3.58	3.68	3.91
110.0	3.73	3.77	3.76	3.82	3.83	3.86	3.93	4.00	4.05	4.09	4.32	4.43	4.61	4.83	5.19
115.0	4.59	4.60	4.60	4.68	4.69	4.74	4.84	4.78	4.97	5.00	5.24	5.40	5.52	6.07	6.07
120.0	5.50	5.42	5.47	5.54	5.56	5.61	5.69	5.85	5.89	6.09	6.23	6.37	6.69	6.96	7.26
125.0	6.22	6.25	6.39	6.41	6.43	6.48	6.57	6.68	6.78	7.00	6.99	7.46	7.59	7.74	8.48
130.0	7.08	7.17	7.29	7.27	7.29	7.35	7.44	7.56	7.91	7.89	8.14	8.28	8.80	8.87	9.02
135.0	7.98	8.20	8.16	8.14	8.16	8.21	8.31	8.69	8.64	8.76	9.03	8.96	9.64	10.0	10.1
140.0	8.80	8.86	9.02	9.00	9.02	9.08	9.17	9.30	9.41	9.82	9.86	10.1	10.0	10.6	11.2
145.0	9.61	9.43	9.88	9.87	9.88	9.94	10.0	10.1	10.6	10.7	11.0	10.9	11.2	11.6	11.5
150.0	10.6	9.98	10.7	10.7	10.7	10.7	10.8	10.9	11.1	11.5	11.7	11.9	11.9	12.3	12.6
155.0	11.3	11.4	11.6	11.5	11.6	11.6	11.7	11.8	11.9	12.1	12.7	12.4	12.8	13.4	13.2
160.0	11.5	12.5	12.4	12.4	12.4	12.5	12.5	12.6	12.7	12.8	13.0	13.2	13.9	13.6	13.9
165.0	13.4	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.5	13.6	13.7	13.9	14.0	14.2	14.4
170.0	14.2	14.2	14.1	14.1	14.1	14.2	14.2	14.2	14.3	14.4	14.4	14.5	14.6	14.8	14.9
175.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.1	15.1	15.1	15.2	15.2	15.3	15.3	15.4
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: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747
5.0	1739	1740	1741	1742	1743	1745	1746	1745	1743	1742	1741	1740	1739	1739	1738
10.0	1719	1720	1721	1722	1724	1726	1728	1726	1724	1722	1721	1720	1719	1719	1719
15.0	1687	1686	1686	1687	1688	1691	1695	1691	1688	1687	1686	1686	1687	1688	1690
20.0	1642	1640	1639	1638	1639	1642	1647	1642	1638	1637	1638	1640	1641	1638	1637
25.0	1575	1578	1579	1575	1575	1577	1582	1576	1573	1573	1576	1576	1573	1572	1574
30.0	1500	1498	1501	1500	1498	1500	1506	1499	1496	1496	1496	1493	1495	1499	1502
35.0	1417	1412	1410	1414	1410	1412	1420	1409	1406	1408	1404	1405	1411	1410	1406
40.0	1313	1318	1311	1311	1309	1309	1315	1306	1303	1303	1303	1309	1305	1302	1305
45.0	1198	1201	1207	1200	1200	1198	1206	1194	1193	1190	1196	1191	1190	1191	1191
50.0	1078	1077	1085	1083	1080	1078	1088	1072	1071	1071	1073	1066	1070	1068	1070
55.0	947	948	951	963	953	950	956	943	940	947	937	937	938	944	940
60.0	815	814	814	822	824	818	824	809	808	805	799	801	804	798	796
65.0	665	674	678	676	691	679	689	667	672	658	661	660	653	651	651
70.0	519	523	533	538	543	541	545	526	524	519	514	506	507	509	512
75.0	380	384	385	398	403	410	408	392	382	377	365	369	368	365	362
80.0	238	245	253	259	275	281	279	269	248	237	234	228	229	227	230
85.0	114	118	120	122	134	139	135	123	111	101	103	105	106	108	111
90.0	7.18	8.18	8.64	8.36	7.45	6.00	40.7	0.82	0.91	1.18	1.91	2.82	3.82	4.82	5.91
95.0	1.67	1.79	2.08	2.69	3.87	7.25	7.45	3.78	2.26	1.72	1.49	1.41	1.47	1.98	2.60
100.0	3.01	3.36	3.90	4.97	6.52	9.59	7.45	5.23	3.90	2.85	2.53	2.38	2.31	2.19	2.17
105.0	4.30	4.69	5.58	6.67	8.28	10.8	7.55	5.70	4.51	3.81	3.57	3.27	3.03	3.01	2.93
110.0	5.52	5.99	6.65	7.96	8.98	11.1	7.00	6.02	5.23	4.92	4.37	4.25	3.80	3.71	3.76
115.0	6.61	7.23	7.81	8.59	9.85	11.6	7.82	6.95	6.22	5.61	5.43	4.64	4.84	4.56	4.47
120.0	7.51	8.21	8.91	9.78	10.6	11.6	8.00	7.54	7.21	6.11	5.82	5.92	5.55	5.47	5.12
125.0	8.69	8.96	10.0	10.4	11.3	12.3	8.09	7.72	7.55	7.35	6.67	6.55	6.49	6.07	5.72
130.0	9.72	10.5	10.7	11.1	11.7	13.0	8.91	8.55	8.47	8.08	7.94	7.45	7.00	6.62	6.69
135.0	10.6	10.7	11.6	12.5	13.2	13.5	10.3	9.82	9.29	8.78	8.30	7.86	7.58	7.84	7.65
140.0	11.3	11.8	12.3	12.7	13.0	13.6	10.3	9.91	9.46	9.03	9.11	8.99	8.92	8.66	8.49
145.0	12.3	12.5	13.4	13.5	13.8	14.4	11.8	11.3	10.9	10.5	10.1	10.1	9.82	9.13	8.83
150.0	13.0	12.8	13.2	13.7	14.4	15.1	12.5	12.0	11.4	10.8	10.4	10.1	9.86	9.58	9.32
155.0	13.5	13.9	14.2	14.6	15.0	15.4	11.9	11.6	11.3	11.0	10.7	10.4	10.2	9.63	9.30
160.0	14.4	13.8	14.9	15.3	15.4	15.5	11.2	11.0	10.8	10.6	10.4	10.2	10.0	10.3	10.3
165.0	14.6	15.1	15.5	15.5	15.6	15.7	12.0	11.8	11.6	11.5	11.3	11.1	11.0	10.8	10.7
170.0	15.0	15.1	15.3	15.4	15.6	15.7	12.0	11.8	11.6	11.4	11.1	10.8	10.4	10.1	10.1
175.0	15.4	15.5	15.6	15.6	15.7	15.8	10.6	10.5	10.5	10.5	10.4	10.4	10.3	10.3	10.2
180.0	15.9	15.9	15.9	15.9	15.9	15.9	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747
5.0	1738	1737	1737	1736	1736	1735	1735	1734	1734	1734	1733	1732	1732	1731	1731
10.0	1720	1721	1721	1720	1721	1722	1722	1721	1720	1720	1719	1717	1716	1714	1712
15.0	1690	1687	1684	1684	1683	1681	1681	1680	1678	1678	1676	1674	1673	1672	1669
20.0	1636	1635	1636	1637	1637	1638	1637	1637	1636	1635	1632	1629	1627	1622	1619
25.0	1576	1579	1578	1575	1573	1571	1570	1568	1567	1565	1563	1560	1557	1555	1551
30.0	1498	1497	1495	1496	1496	1497	1497	1498	1497	1495	1493	1489	1485	1480	1475
35.0	1406	1408	1411	1409	1408	1406	1405	1404	1402	1400	1397	1394	1391	1387	1384
40.0	1305	1305	1305	1306	1307	1308	1308	1308	1306	1304	1301	1296	1291	1286	1280
45.0	1192	1194	1199	1197	1194	1193	1192	1190	1189	1187	1184	1181	1177	1172	1168
50.0	1075	1071	1069	1069	1069	1070	1070	1070	1070	1069	1067	1064	1059	1054	1048
55.0	935	934	936	937	937	937	937	936	935	934	932	929	926	923	920
60.0	796	796	797	798	799	800	800	800	799	798	796	793	790	785	780
65.0	653	656	658	657	657	657	656	656	656	655	654	653	650	646	642
70.0	510	509	508	509	510	510	511	512	512	513	513	512	510	508	505
75.0	361	363	366	368	370	372	374	375	375	376	376	376	374	373	371
80.0	231	234	233	235	236	237	238	238	238	239	239	239	239	239	239
85.0	114	116	117	120	122	124	126	127	129	129	130	130	129	129	128
90.0	7.09	8.09	9.46	11.4	13.0	14.8	16.3	17.7	19.0	20.1	21.1	21.9	21.9	22.1	22.4
95.0	3.25	3.90	4.71	5.81	6.85	7.91	8.84	9.66	10.4	11.0	11.4	11.8	11.6	11.4	11.1
100.0	2.07	1.96	1.91	1.88	1.85	1.89	1.86	1.83	1.91	1.91	1.91	2.00	2.00	1.99	1.98
105.0	2.81	2.65	2.67	2.64	2.55	2.51	2.52	2.46	2.46	2.45	2.46	2.46	2.45	2.45	2.32
110.0	3.51	3.43	3.41	3.35	3.24	3.14	3.17	3.07	3.00	3.00	3.00	2.93	2.96	2.91	2.73
115.0	4.19	4.23	4.26	4.05	3.92	3.75	3.82	3.64	3.55	3.54	3.55	3.44	3.48	3.39	3.20
120.0	4.89	5.07	5.04	4.74	4.59	4.36	4.47	4.19	4.10	4.09	4.10	4.01	3.99	3.87	3.69
125.0	5.93	5.83	5.61	5.41	5.13	5.15	5.12	4.70	4.65	4.63	4.65	4.64	4.50	4.33	4.17
130.0	6.71	6.64	6.27	6.07	5.69	5.86	5.76	5.29	5.19	5.18	5.19	5.13	4.90	4.63	4.70
135.0	7.74	7.14	6.90	6.63	6.29	6.50	6.40	5.99	5.74	5.73	5.74	5.47	5.27	5.59	5.35
140.0	8.00	7.74	7.52	7.02	7.26	7.13	6.88	6.43	6.28	6.27	6.28	5.95	5.84	6.08	5.72
145.0	8.56	8.32	7.75	7.73	7.88	7.76	7.09	6.86	6.83	6.82	6.83	6.57	6.69	6.35	6.65
150.0	8.96	8.45	8.45	8.62	8.49	8.30	7.67	7.40	7.37	7.36	7.37	7.40	7.20	6.74	7.15
155.0	9.12	9.50	9.34	9.20	9.09	8.19	8.11	7.95	7.92	7.91	7.92	7.95	7.48	7.90	7.19
160.0	10.1	10.0	9.89	9.69	8.79	8.91	8.52	8.49	8.46	8.46	8.46	8.49	8.48	8.02	8.47
165.0	10.6	10.2	9.57	9.50	9.29	9.10	9.05	9.02	9.01	9.00	9.01	9.02	9.05	9.05	8.54
170.0	10.4	10.0	9.74	9.69	9.65	9.61	9.58	9.56	9.55	9.55	9.55	9.56	9.58	9.61	9.65
175.0	10.2	10.2	10.1	10.1	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.1	10.1	10.1	10.1
180.0	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 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	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747	1747
5.0	1730	1729	1729	1728	1728	1728	1728	1728	1729	1729	1730	1731
10.0	1711	1708	1705	1703	1701	1700	1699	1698	1697	1697	1697	1698
15.0	1668	1668	1667	1667	1667	1662	1659	1655	1652	1650	1650	1651
20.0	1614	1612	1609	1606	1605	1605	1606	1601	1595	1592	1590	1591
25.0	1550	1546	1546	1539	1534	1530	1528	1529	1527	1521	1516	1514
30.0	1469	1465	1460	1455	1455	1449	1442	1441	1443	1438	1430	1426
35.0	1382	1379	1372	1363	1355	1354	1349	1343	1341	1343	1333	1329
40.0	1274	1270	1266	1263	1256	1248	1241	1240	1231	1230	1228	1218
45.0	1165	1158	1150	1143	1141	1139	1127	1119	1115	1111	1116	1100
50.0	1042	1034	1028	1022	1016	1010	1009	998	990	984	984	975
55.0	917	913	904	895	887	880	871	873	861	852	850	846
60.0	776	772	769	766	759	746	737	731	731	717	710	709
65.0	638	633	628	623	620	619	608	596	586	585	568	571
70.0	502	498	493	487	480	475	472	470	453	444	435	430
75.0	369	366	363	360	355	347	338	332	331	316	308	294
80.0	238	237	236	234	232	229	226	217	223	201	182	164
85.0	127	125	123	120	118	114	110	107	107	102	79.3	58.9
90.0	22.3	22.2	22.1	21.6	21.0	20.1	19.1	17.9	16.0	13.2	9.27	6.09
95.0	10.5	9.87	9.04	7.86	6.35	4.46	2.13	1.93	1.71	1.16	0.66	0.00
100.0	1.99	1.98	2.09	2.16	2.14	2.00	1.74	1.54	1.32	0.84	0.00	0.00
105.0	2.30	2.23	2.25	2.28	2.20	2.05	1.56	1.37	1.01	0.60	0.01	0.00
110.0	2.60	2.54	2.42	2.30	2.44	2.09	1.82	1.16	0.66	0.44	0.06	0.00
115.0	3.07	2.80	2.68	2.53	2.56	2.35	2.09	1.40	0.81	0.57	0.00	0.00
120.0	3.41	3.28	2.93	2.79	2.51	2.73	2.44	2.09	1.62	0.61	0.27	0.05
125.0	3.80	3.57	3.38	3.17	3.02	2.51	2.90	2.53	2.09	1.92	1.88	1.14
130.0	4.43	3.96	3.96	3.72	3.45	3.24	2.73	3.06	3.12	2.66	2.71	2.26
135.0	5.11	4.52	4.60	4.35	4.06	3.73	3.45	3.19	2.84	3.28	3.36	3.45
140.0	5.68	5.43	5.09	5.03	4.73	4.38	4.08	4.11	3.74	3.85	3.80	3.58
145.0	6.34	6.08	5.90	5.36	5.07	5.08	5.22	4.79	4.93	4.67	4.56	4.69
150.0	6.83	6.88	6.70	6.64	6.29	5.93	5.85	6.10	5.66	5.81	5.96	6.11
155.0	7.71	7.79	7.29	7.52	7.23	7.23	7.14	6.96	6.81	6.62	7.11	7.49
160.0	7.76	7.92	8.35	8.47	7.57	8.11	8.24	8.36	8.11	8.08	8.19	8.31
165.0	8.87	8.96	8.44	8.30	8.62	9.04	9.15	9.26	9.29	8.90	8.63	8.51
170.0	9.69	9.27	9.14	9.23	9.69	9.89	9.65	9.45	9.33	9.25	9.21	9.22
175.0	10.1	10.1	10.2	10.2	10.2	10.3	10.3	10.4	10.4	10.5	10.5	10.5
180.0	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6

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

Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
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