

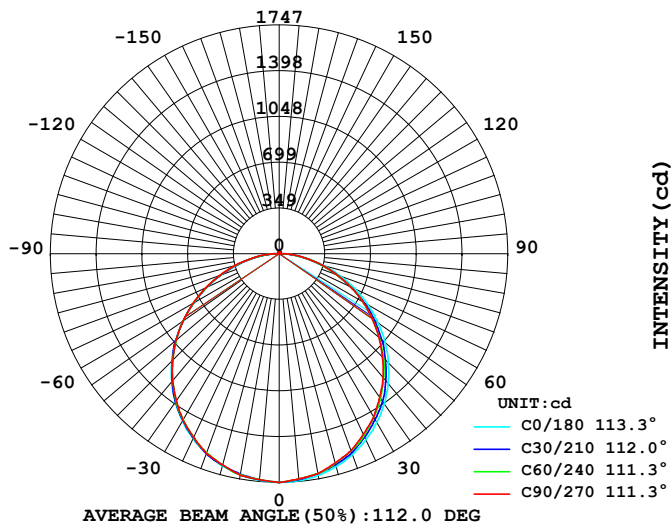
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

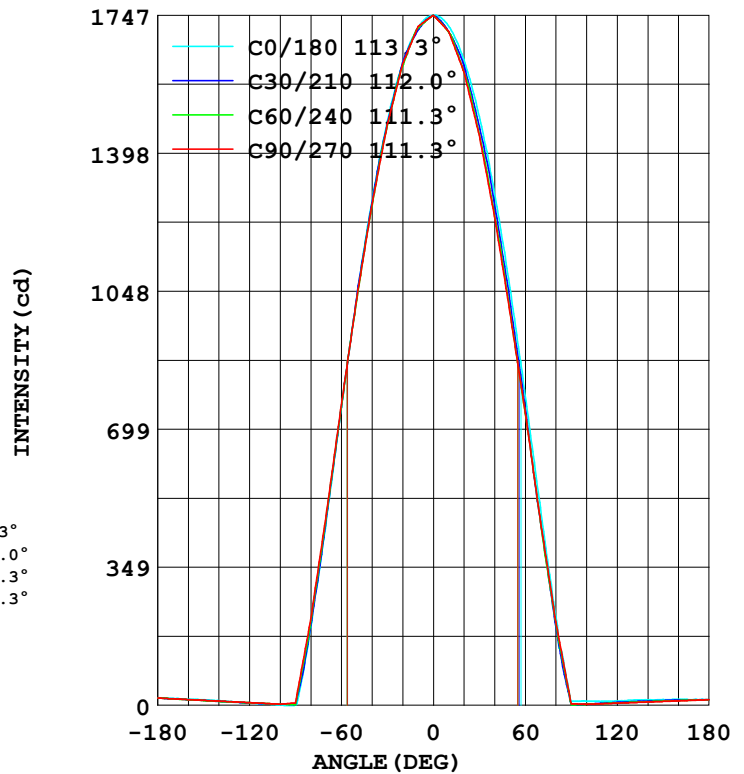
MANUFACTURER:	Address:		
NAME:	TYPE:	WEIGHT:	
SPECIFICATION:	DIMENSION:	SERIAL No.:	

DATA OF LAMP		Imax (cd)	1747	S/MH (C0/180)	1.26
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.25
NOMINAL POWER (W)	40	TOTAL FLUX (lm)	4991.6	Voltage (V)	120.0
RATED VOLTAGE (V)	120	EFFICIENCY (lm/W)	124.3	Current (A)	0.364
NOMINAL FLUX (lm)	4991.6	η up (%)	0.9	Power (W)	40.15
LAMPS QUANTITY	1	η down (%)	99.1	Power Factor (PF)	0.987
TEST VOLTAGE (V)	120.0	Effective Flux (lm)	0.0	EET	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



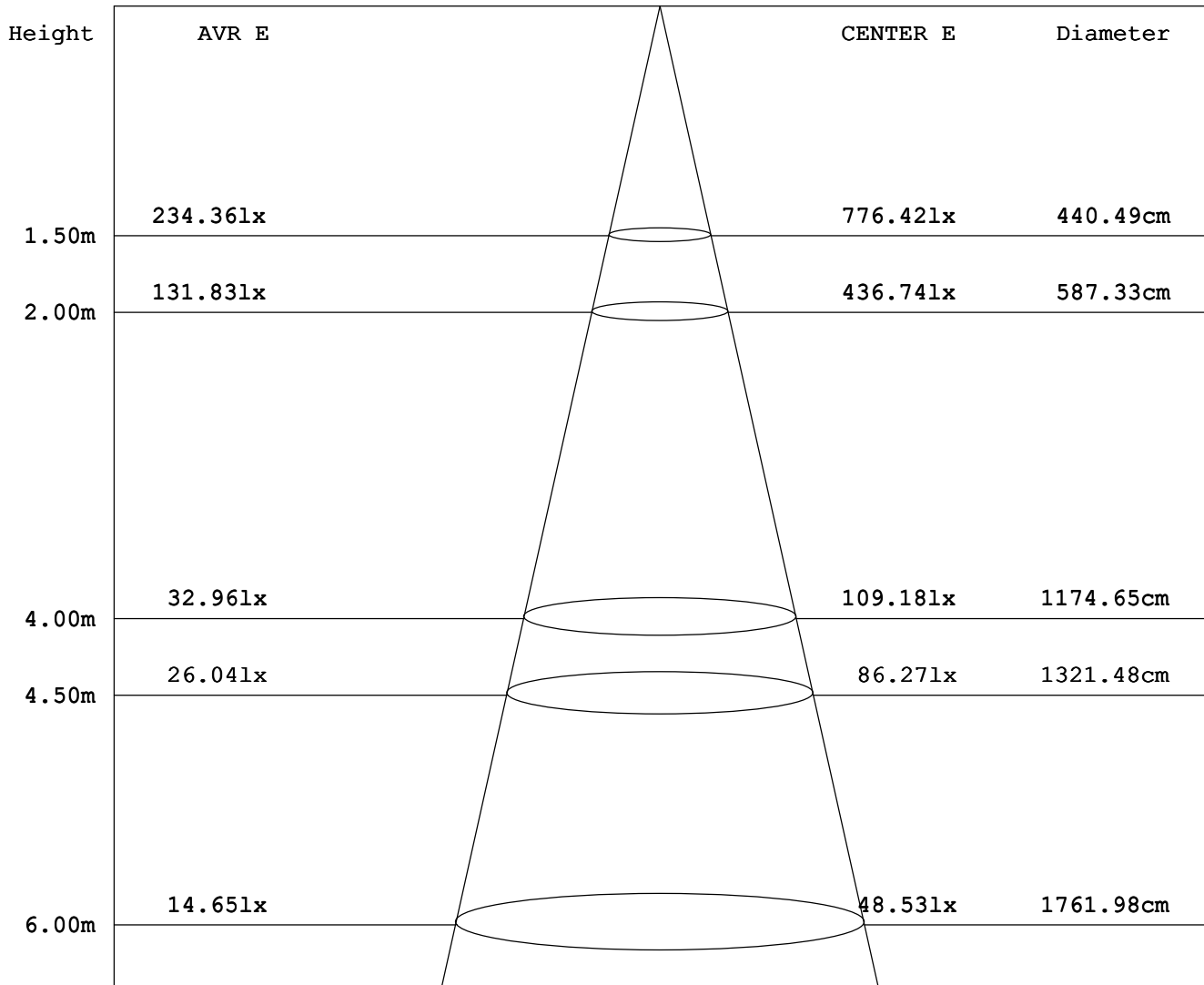
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

Test Set: 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:111.5deg

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	1738	1732	1733	1734	1741	1729	1726	1728	0- 5	41.54	41.54
10.0	1715	1710	1718	1714	1719	1704	1706	1703	5- 10	123.0	164.6
15.0	1678	1677	1671	1683	1683	1668	1655	1667	10- 15	200.4	365.1
20.0	1626	1617	1623	1624	1634	1607	1603	1605	15- 20	270.7	635.8
25.0	1558	1552	1547	1563	1567	1541	1523	1538	20- 25	331.8	967.7
30.0	1479	1470	1470	1482	1491	1456	1442	1455	25- 30	381.3	1349
35.0	1386	1375	1369	1390	1401	1359	1340	1359	30- 35	417.9	1767
40.0	1277	1273	1268	1288	1294	1253	1237	1257	35- 40	440.0	2207
45.0	1161	1153	1149	1173	1181	1136	1116	1139	40- 45	447.5	2655
50.0	1034	1029	1029	1054	1058	1014	995.0	1017	45- 50	439.8	3094
55.0	893.6	894.6	895.4	919.6	920.6	876.5	868.2	884.3	50- 55	417.6	3512
60.0	754.3	758.7	761.3	782.8	783.7	737.7	741.4	751.3	55- 60	382.0	3894
65.0	610.0	613.0	620.7	641.9	642.5	603.2	603.1	614.1	60- 65	334.6	4229
70.0	460.8	471.8	480.2	501.0	500.1	467.0	464.9	478.3	65- 70	277.0	4506
75.0	324.1	334.7	349.2	358.6	355.0	325.2	338.0	345.0	70- 75	213.5	4719
80.0	197.6	207.9	218.2	232.2	225.7	203.8	211.1	220.4	75- 80	148.7	4868
85.0	79.63	95.97	112.0	116.0	113.0	95.96	107.5	107.2	80- 85	84.88	4953
90.0	1.751	1.382	5.806	9.954	8.203	1.290	3.871	7.189	85- 90	28.52	4982
95.0	0	2.292	4.332	4.493	9.862	1.810	3.133	3.678	90- 95	2.041	4984
100.0	0.922	3.073	2.857	3.023	9.954	2.612	2.396	2.396	95-100	1.628	4985
105.0	2.396	3.763	3.825	4.392	10.04	3.522	3.133	2.798	100-105	1.881	4987
110.0	3.871	4.477	4.792	5.640	10.13	4.569	3.871	3.222	105-110	2.291	4989
115.0	4.700	5.292	5.760	7.050	10.32	5.386	4.608	3.753	110-115	2.653	4992
120.0	6.175	6.062	6.728	8.253	10.50	6.388	5.346	4.367	115-120	2.978	4995
125.0	7.005	6.925	7.696	9.436	12.07	7.012	6.083	5.092	120-125	3.254	4998
130.0	8.572	7.911	8.664	10.28	12.25	8.093	6.820	5.887	125-130	3.472	5002
135.0	10.04	8.950	9.632	11.56	13.08	9.221	7.558	6.427	130-135	3.610	5005
140.0	11.52	10.03	10.59	12.92	13.18	9.577	8.295	7.304	135-140	3.645	5009
145.0	12.35	11.17	11.56	13.46	13.27	10.71	9.032	8.239	140-145	3.575	5013
150.0	13.82	11.91	12.53	14.70	14.74	11.36	9.770	9.229	145-150	3.415	5016
155.0	14.65	13.10	13.50	15.19	14.10	11.98	10.50	9.980	150-155	3.149	5019
160.0	15.39	14.34	14.47	15.96	14.83	12.57	11.24	10.85	155-160	2.779	5022
165.0	16.13	15.27	15.43	17.35	14.83	12.61	11.98	12.27	160-165	2.306	5024
170.0	17.60	16.29	16.40	17.54	14.19	13.18	12.71	12.47	165-170	1.752	5026
175.0	17.60	17.56	17.37	18.26	14.93	13.99	13.45	13.67	170-175	1.104	5027
180.0	18.34	18.34	18.34	18.34	14.19	14.19	14.19	14.19	175-180	0.385	5027
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

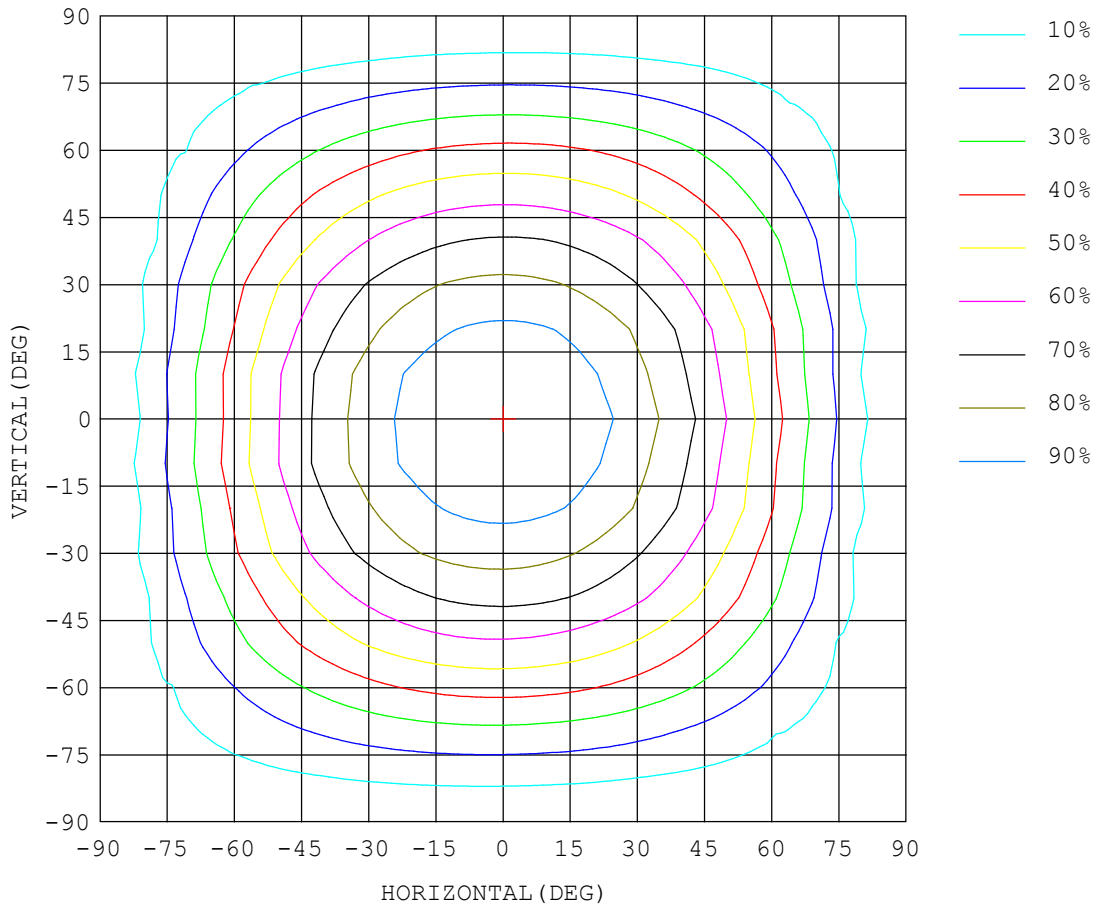
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



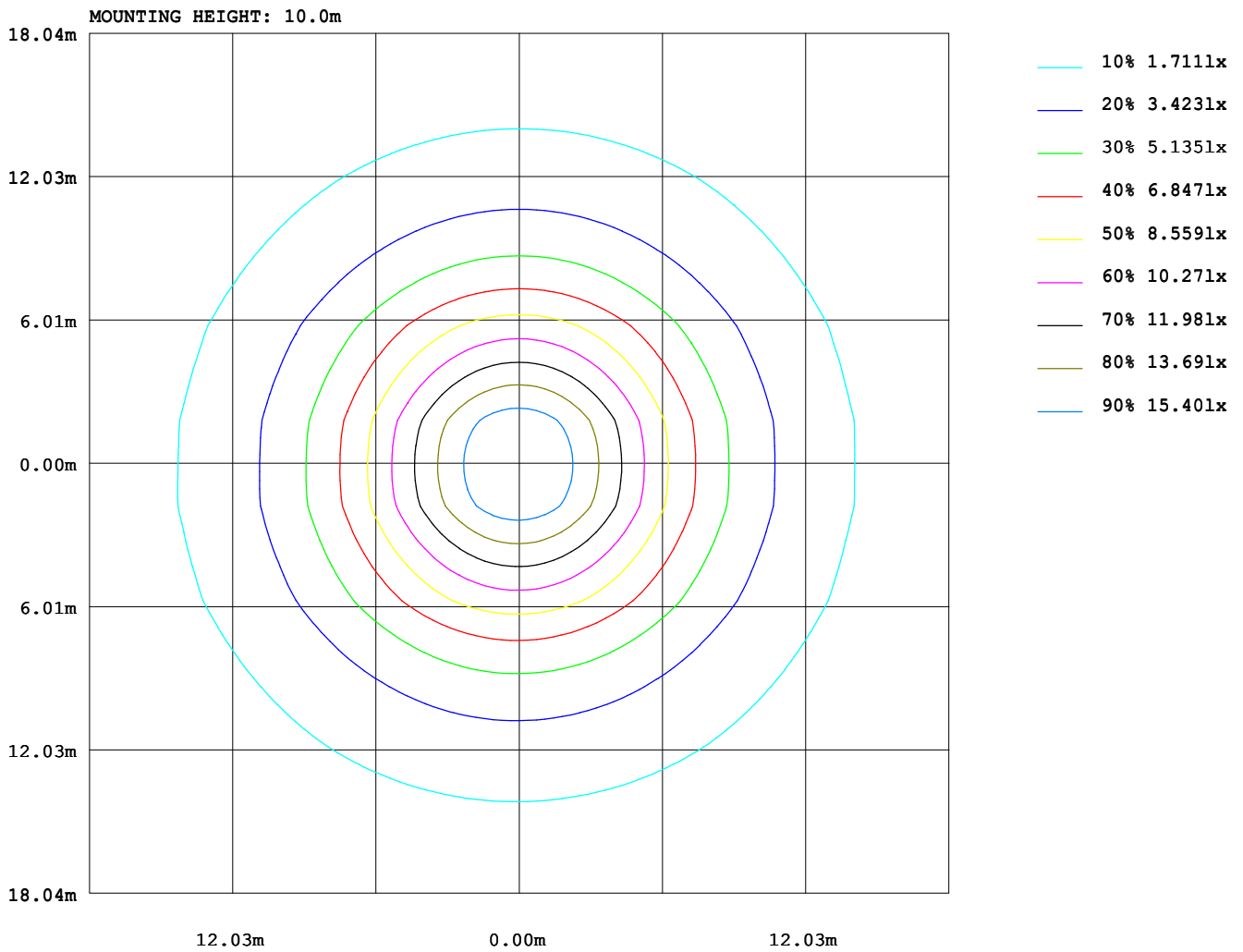
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

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		Φ t	Φ a		
VERTICAL (DEG)	90	0.00	0.01	0.01	0.02	0.02	0.02	0.04	0.07	0.11	0.17	0.19	0.22	0.22	0.21	0.17	0.12	0.07	0.02	1.69	0.00		
	80	0.02	0.37	1.30	2.66	4.30	6.01	7.57	8.77	9.43	9.52	8.99	7.91	6.43	4.76	3.11	1.67	0.60	0.08	83.5	74.6		
	70	0.09	0.92	2.70	5.29	8.30	11.4	14.4	16.5	17.8	17.8	16.7	14.6	11.7	8.60	5.48	2.86	0.98	0.11	157	154		
	60	0.13	1.28	3.91	7.74	12.3	17.2	21.4	24.7	26.4	26.5	24.9	21.8	17.6	12.8	8.15	4.28	1.48	0.16	233	232		
	50	0.21	1.89	5.25	10.2	16.2	22.3	27.7	31.7	33.8	33.8	31.6	27.6	22.2	16.1	10.1	5.14	1.69	0.17	298	297		
	40	0.23	2.03	6.19	12.2	19.4	26.8	33.3	38.2	40.8	40.9	38.5	33.8	27.3	19.9	12.6	6.51	2.34	0.26	362	361		
	30	0.35	2.71	7.47	14.4	22.7	31.0	38.4	43.8	46.6	46.5	43.4	37.9	30.4	22.0	13.8	6.97	2.29	0.24	412	411		
		0.29	2.62	7.75	15.2	24.1	33.2	41.3	47.4	50.6	50.8	47.7	41.8	33.7	24.6	15.6	8.00	2.85	0.36	448	448		
		0.44	3.09	8.57	16.5	25.9	35.3	43.7	49.8	53.0	52.8	49.3	42.9	34.3	24.8	15.5	7.80	2.55	0.26	467	467		
		0.32	2.77	8.16	15.9	25.2	34.8	43.3	49.7	53.2	53.3	50.0	43.8	35.3	25.7	16.3	8.33	2.91	0.38	470	470		
		0.44	3.05	8.43	16.2	25.3	34.4	42.5	48.4	51.4	51.2	47.7	41.5	33.1	23.9	14.9	7.46	2.43	0.25	453	453		
	-30	0.30	2.52	7.36	14.4	22.7	31.2	38.8	44.4	47.4	47.5	44.6	39.0	31.5	22.9	14.5	7.39	2.58	0.33	420	419		
	-40	0.38	2.59	7.01	13.4	20.9	28.4	35.0	39.7	42.1	41.8	39.0	33.9	27.1	19.5	12.1	6.02	1.90	0.21	371	371		
	-50	0.25	1.90	5.51	10.7	16.9	23.2	28.8	32.9	35.1	35.1	32.9	28.8	23.2	16.8	10.6	5.38	1.93	0.23	311	310		
	-60	0.27	1.80	4.62	8.77	13.6	18.5	22.9	26.0	27.5	27.3	25.4	22.0	17.4	12.5	7.73	3.82	1.18	0.12	242	241		
	-70	0.16	1.08	3.05	5.82	9.11	12.5	15.5	17.7	18.9	18.8	17.6	15.3	12.2	8.80	5.50	2.85	0.99	0.11	166	164		
-80	0.12	0.77	1.93	3.43	5.23	7.03	8.61	9.76	10.2	10.1	9.38	8.05	6.33	4.50	2.77	1.35	0.43	0.02	90.2	81.5			
-90	0.03	0.25	0.60	1.05	1.53	1.99	2.37	2.63	2.76	2.71	2.49	2.13	1.68	1.19	0.73	0.34	0.08	0.00	24.6	4.80			
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t		4.03	31.7	89.9	174	274	376	466	533	568	567	531	463	372	270	170	86.3	29.3	3.31	5027			
Φ a		1.03	27.0	86.1	171	271	374	464	531	566	566	529	461	370	267	167	82.7	24.3	0.49			4904	

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:

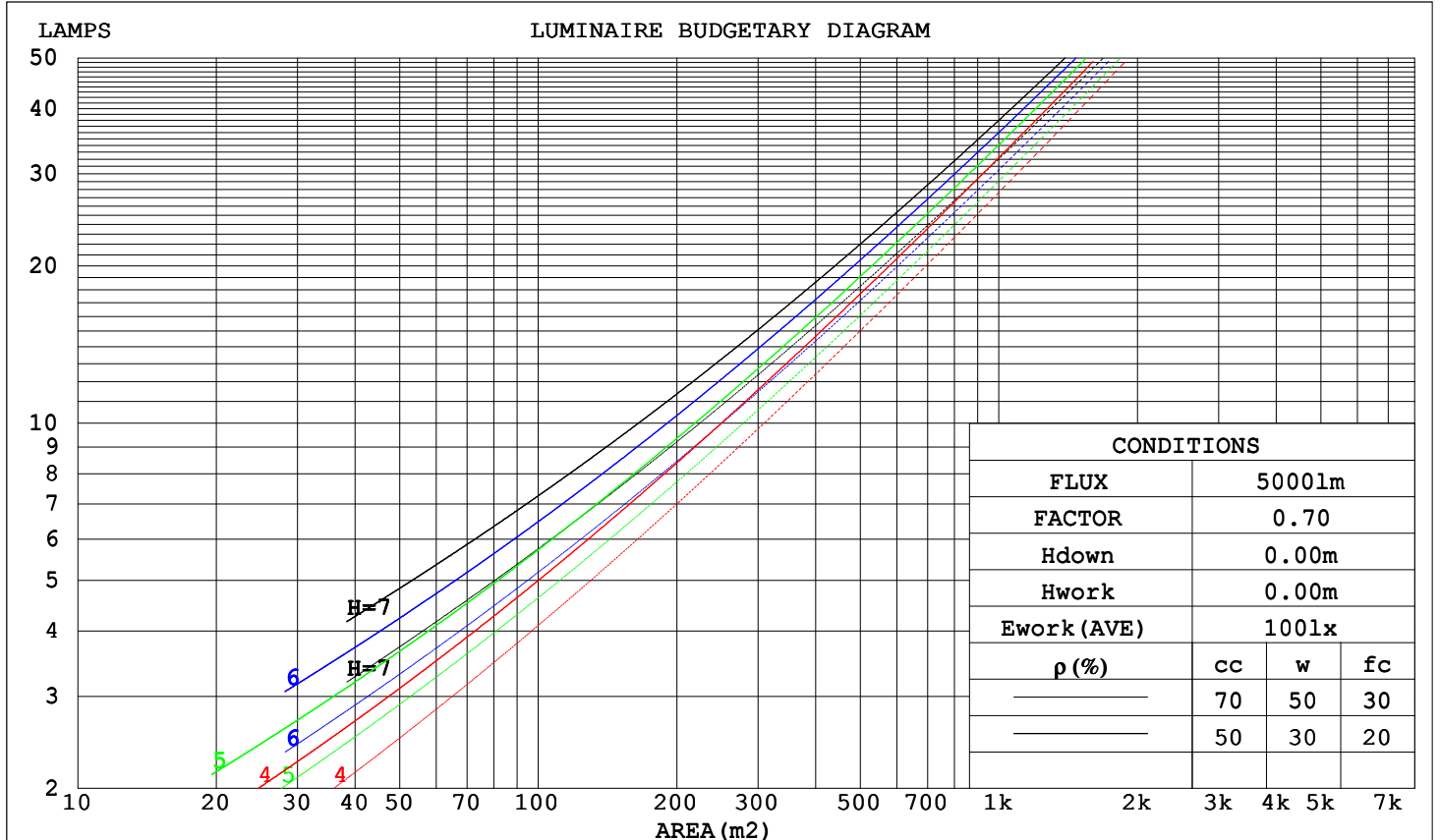
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

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	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.90	.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	.75	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.49
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.57	.47	.41	.56	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.40	.32	.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	.317	.180	.057	.309	.176	.056	.295	.169	.054	.283	.163	.052	.271	.157	.051	
2.0	.296	.162	.050	.290	.160	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046	
3.0	.273	.146	.044	.268	.143	.043	.257	.139	.042	.247	.135	.041	.237	.131	.041	
4.0	.252	.131	.038	.247	.129	.038	.237	.126	.038	.228	.122	.037	.220	.119	.036	
5.0	.233	.119	.034	.228	.117	.034	.219	.114	.034	.211	.112	.033	.204	.109	.033	
6.0	.216	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.167	.085	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.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	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.189	.164	.142	.162	.141	.122	.111	.097	.085	.064	.056	.049	.020	.018	.016	
2.0	.181	.140	.106	.155	.120	.091	.106	.083	.064	.061	.048	.037	.020	.016	.012	
3.0	.173	.122	.082	.148	.105	.071	.102	.073	.050	.059	.043	.029	.019	.014	.010	
4.0	.165	.109	.066	.142	.094	.057	.098	.066	.040	.056	.038	.024	.018	.013	.008	
5.0	.158	.098	.055	.136	.085	.048	.093	.060	.034	.054	.035	.020	.017	.011	.007	
6.0	.151	.090	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.010	.006	
7.0	.144	.083	.041	.124	.072	.035	.085	.051	.025	.050	.030	.015	.016	.010	.005	
8.0	.137	.077	.036	.118	.067	.032	.082	.047	.022	.048	.028	.013	.015	.009	.004	
9.0	.131	.072	.033	.113	.063	.028	.078	.044	.020	.046	.026	.012	.015	.009	.004	
10.0	.125	.068	.030	.108	.059	.026	.075	.042	.019	.044	.025	.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	15.5	17.0	15.8	17.2	17.4	15.5	17.0	15.8	17.2	17.4
3H	17.0	18.4	17.3	18.6	18.9	17.0	18.4	17.3	18.7	18.9
4H	17.5	18.9	17.9	19.1	19.4	17.7	19.0	18.0	19.3	19.5
6H	18.0	19.2	18.3	19.5	19.8	18.2	19.4	18.5	19.7	20.0
8H	18.1	19.3	18.4	19.6	19.9	18.3	19.6	18.7	19.9	20.2
12H	18.2	19.3	18.5	19.6	20.0	18.5	19.7	18.9	20.0	20.3
4H 2H	16.1	17.4	16.4	17.7	18.0	16.1	17.4	16.4	17.7	18.0
3H	17.7	18.9	18.1	19.2	19.6	17.8	19.0	18.2	19.3	19.6
4H	18.5	19.5	18.8	19.9	20.2	18.6	19.7	19.0	20.0	20.3
6H	19.0	20.0	19.4	20.3	20.7	19.2	20.2	19.6	20.5	20.9
8H	19.2	20.1	19.6	20.5	20.9	19.5	20.3	19.9	20.7	21.1
12H	19.3	20.1	19.7	20.5	20.9	19.7	20.5	20.1	20.9	21.3
8H 4H	18.7	19.6	19.2	20.0	20.4	18.9	19.7	19.3	20.1	20.5
6H	19.5	20.2	19.9	20.6	21.1	19.6	20.4	20.1	20.8	21.2
8H	19.7	20.4	20.2	20.8	21.3	20.0	20.6	20.5	21.1	21.5
12H	19.9	20.5	20.4	20.9	21.4	20.3	20.8	20.8	21.3	21.8
12H 4H	18.8	19.6	19.2	20.0	20.4	18.9	19.7	19.3	20.1	20.5
6H	19.5	20.2	20.0	20.6	21.1	19.7	20.3	20.2	20.8	21.3
8H	19.8	20.4	20.3	20.8	21.3	20.1	20.6	20.6	21.1	21.6
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					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 4992 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.6)

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

Test Set: 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	58	46	39	57	46	39	55	45	38	32
0.80	68	56	48	67	55	48	65	55	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	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	90	84	93	87	82	73
3.00	102	95	90	100	94	89	96	91	86	77
4.00	107	101	96	104	99	94	100	95	92	82
5.00	109	104	100	106	102	98	102	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

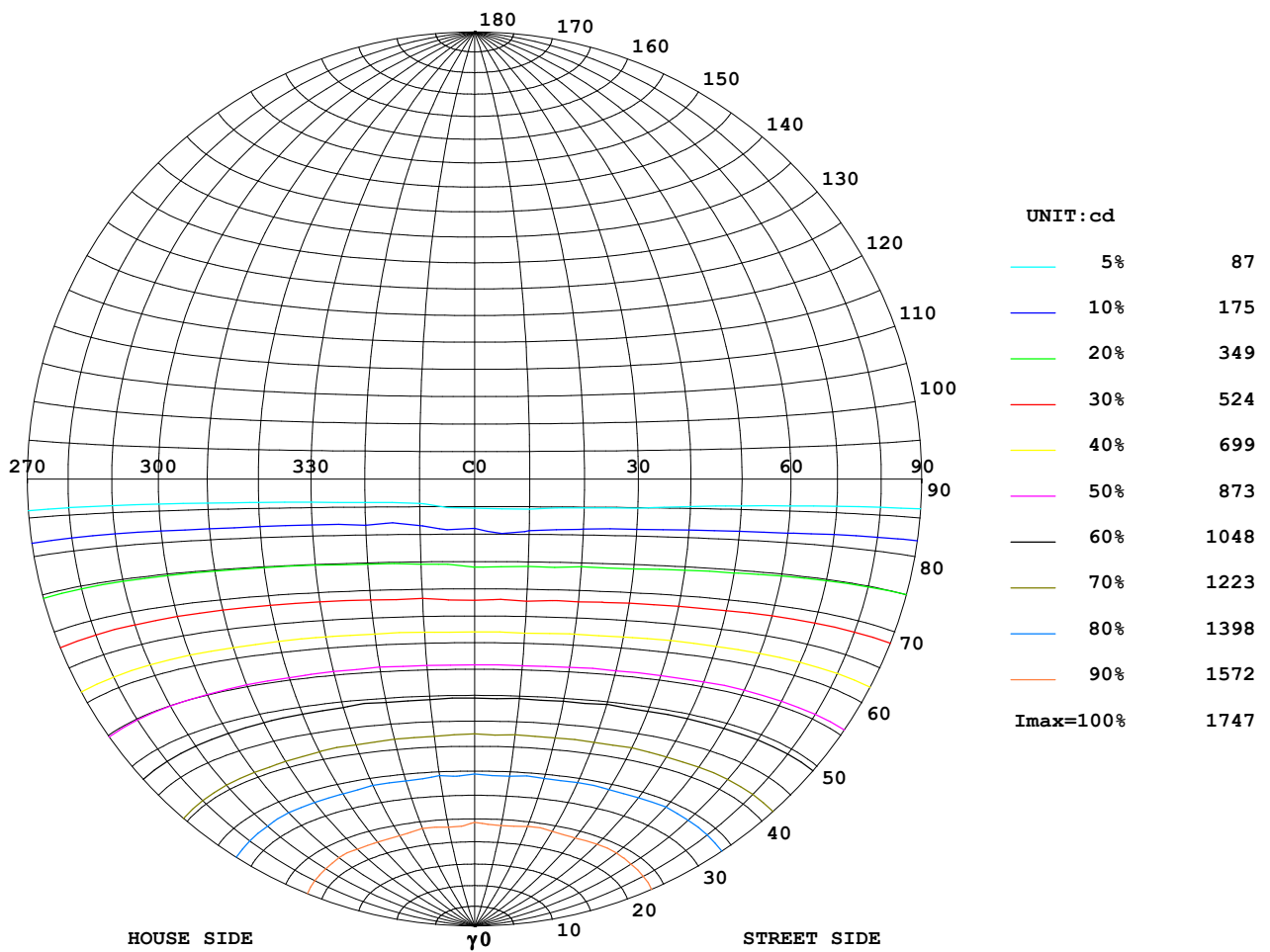
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

Test Set: 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

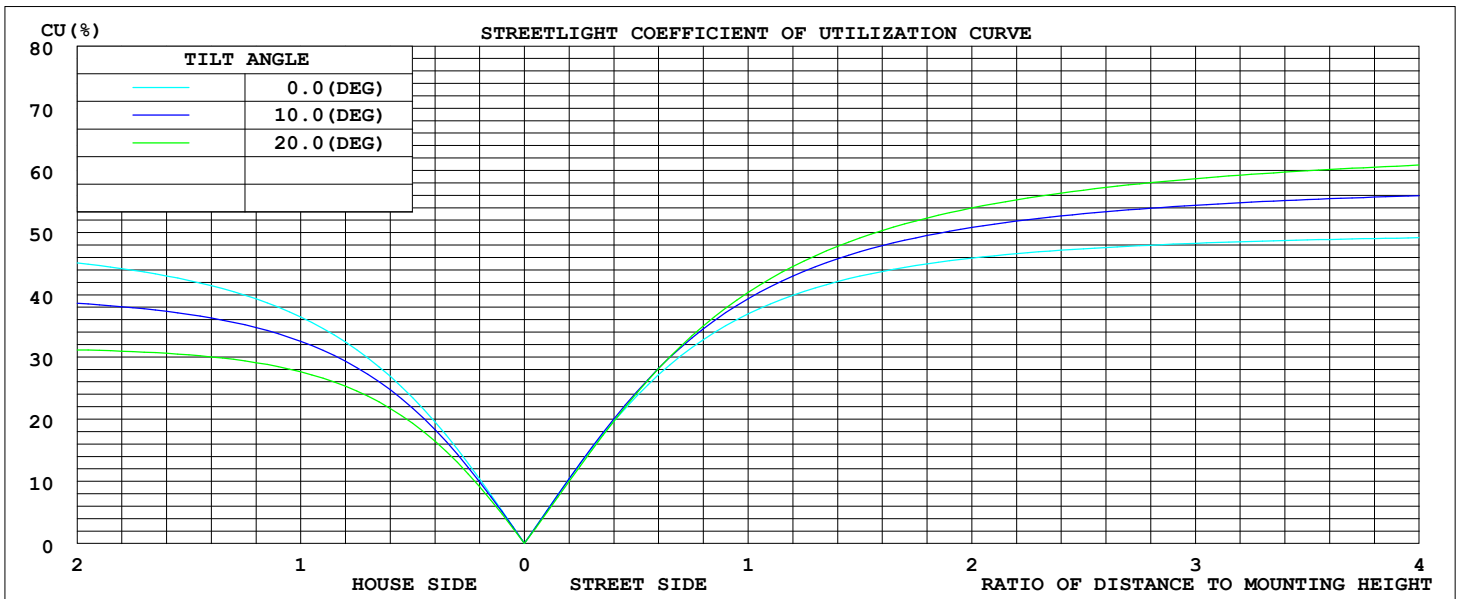
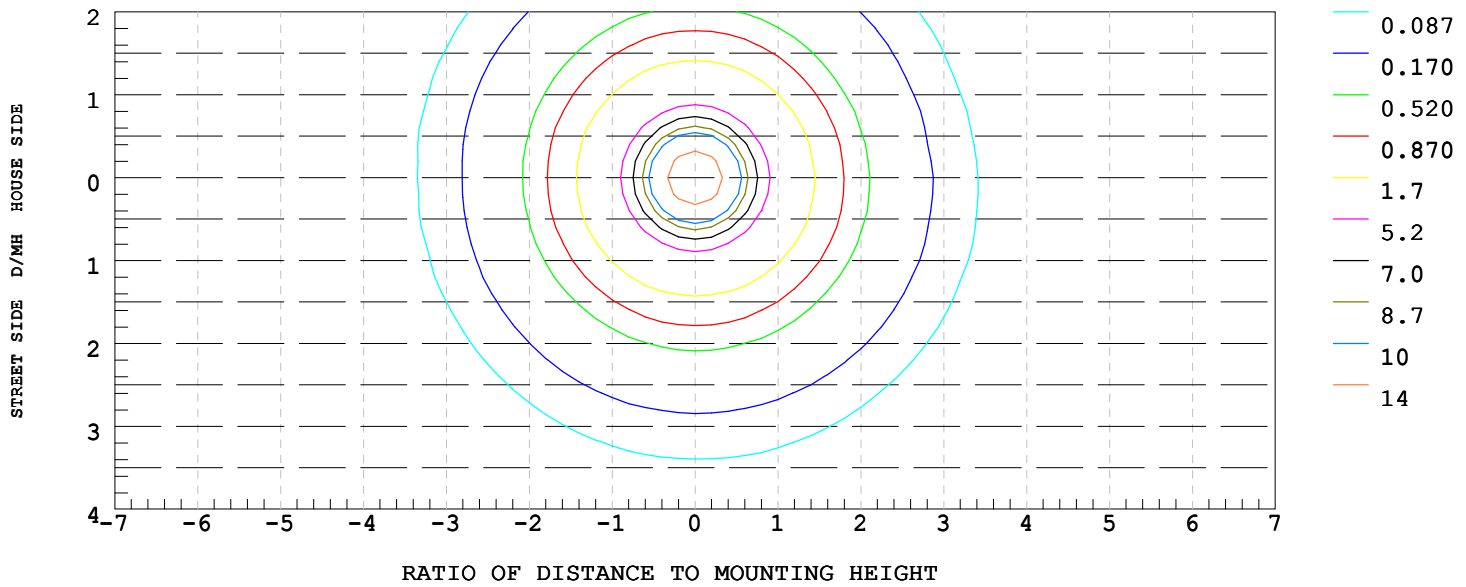
Test Set: 10.0deg/s B-Beta (TYPE B)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 17.47 lx



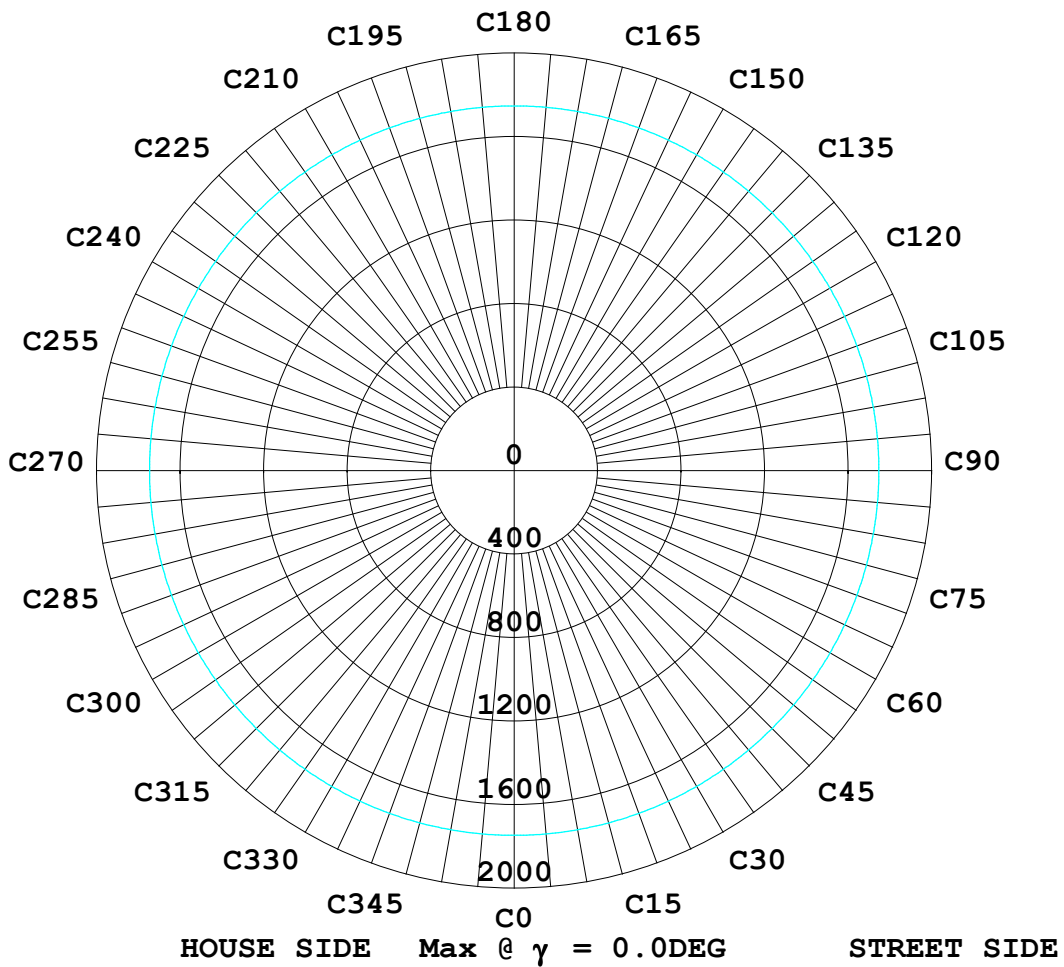
Test System:HOPOO HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2019-07-09

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	1738	1737	1736	1735	1734	1734	1733	1733	1733	1732	1732	1731	1732	1732	1732
10.0	1715	1713	1711	1710	1709	1709	1709	1709	1710	1710	1711	1712	1713	1715	1716
15.0	1678	1675	1673	1671	1671	1672	1673	1676	1679	1677	1674	1673	1671	1671	1670
20.0	1626	1622	1620	1620	1621	1624	1626	1622	1620	1617	1617	1617	1617	1618	1620
25.0	1558	1554	1553	1555	1558	1558	1554	1551	1551	1552	1555	1552	1549	1548	1546
30.0	1479	1474	1473	1477	1478	1472	1471	1474	1474	1470	1467	1466	1466	1466	1466
35.0	1386	1380	1380	1384	1379	1378	1382	1380	1376	1375	1376	1377	1374	1371	1369
40.0	1277	1273	1277	1275	1273	1277	1273	1271	1273	1273	1268	1266	1264	1264	1263
45.0	1161	1158	1164	1158	1159	1156	1156	1160	1155	1153	1152	1153	1151	1149	1147
50.0	1034	1031	1036	1030	1031	1030	1034	1029	1027	1029	1027	1026	1025	1025	1026
55.0	894	896	895	896	895	900	896	897	896	895	895	897	896	895	894
60.0	754	759	753	753	758	754	755	756	758	759	757	756	756	756	756
65.0	610	614	606	611	609	608	613	616	614	613	614	615	616	616	617
70.0	461	464	464	463	465	470	469	468	470	472	473	474	476	476	477
75.0	324	321	323	324	328	327	328	331	333	335	336	338	341	343	344
80.0	198	177	190	196	202	201	202	204	207	208	209	211	212	213	214
85.0	79.6	79.8	78.6	83.1	83.6	84.5	84.6	89.1	92.9	95.9	98.4	101	103	105	107
90.0	1.75	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.38	1.38	1.38	1.38	1.47	2.02	2.85
95.0	0.00	1.12	2.08	2.39	2.50	2.53	2.47	2.40	2.36	2.29	2.22	2.23	2.22	2.48	2.87
100.0	0.92	1.40	2.10	2.62	2.80	2.93	3.01	3.03	3.02	3.07	3.02	3.03	2.97	2.97	2.95
105.0	2.39	2.39	2.83	2.85	3.26	3.50	3.45	3.64	3.73	3.76	3.78	3.81	3.76	3.78	3.78
110.0	3.87	3.31	3.49	3.72	3.84	4.07	4.14	4.29	4.46	4.47	4.58	4.56	4.64	4.62	4.63
115.0	4.70	4.40	4.57	4.79	4.71	4.67	5.01	5.25	5.30	5.29	5.32	5.42	5.47	5.50	5.56
120.0	6.17	6.02	5.75	5.27	5.55	5.81	5.97	5.91	6.03	6.06	6.24	6.24	6.43	6.38	6.43
125.0	7.00	6.82	6.84	6.81	6.62	7.06	6.77	6.79	7.12	6.92	7.01	7.25	7.27	7.19	7.28
130.0	8.57	8.28	8.26	8.24	7.98	8.07	7.86	8.09	7.86	7.91	7.96	8.33	8.15	8.02	8.12
135.0	10.0	9.73	9.69	9.31	9.07	9.06	8.79	8.77	8.86	8.95	9.03	9.13	8.98	9.13	9.29
140.0	11.5	11.1	11.0	10.4	10.3	10.0	10.1	9.88	9.90	10.0	10.0	9.98	9.85	9.94	10.3
145.0	12.3	12.0	11.9	11.7	11.3	11.3	11.1	11.3	11.4	11.1	10.9	10.7	10.9	11.1	11.0
150.0	13.8	13.4	13.0	12.7	12.9	12.5	12.6	12.3	12.1	11.9	11.7	11.9	11.9	12.1	12.3
155.0	14.6	14.3	14.2	14.1	13.8	13.5	13.3	13.0	12.8	13.1	12.8	13.1	13.1	13.2	13.2
160.0	15.3	15.1	14.8	14.5	14.4	14.6	14.4	14.1	13.9	14.3	14.4	13.9	14.3	14.2	14.1
165.0	16.1	15.9	15.8	15.8	15.8	15.9	16.0	15.4	15.1	15.2	15.4	15.3	15.1	15.0	14.9
170.0	17.6	17.4	17.2	17.1	16.9	16.8	16.6	16.5	16.4	16.2	16.1	16.0	16.0	15.9	16.5
175.0	17.6	17.5	17.4	17.3	17.2	17.2	17.1	17.0	17.2	17.5	17.9	18.0	17.7	17.4	17.5
180.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3

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	1732	1732	1732	1733	1732	1732	1732	1733	1733	1733	1734	1734	1734	1734	1734
10.0	1716	1717	1718	1718	1717	1718	1718	1718	1716	1715	1715	1715	1714	1713	1712
15.0	1670	1670	1670	1671	1671	1672	1672	1673	1674	1675	1676	1679	1683	1684	1680
20.0	1620	1621	1623	1623	1624	1623	1624	1623	1624	1623	1623	1624	1624	1627	1629
25.0	1546	1546	1547	1547	1547	1549	1550	1552	1554	1557	1559	1564	1563	1561	1562
30.0	1467	1468	1469	1470	1472	1471	1473	1473	1473	1475	1477	1478	1482	1488	1488
35.0	1368	1368	1368	1369	1371	1372	1374	1377	1380	1384	1388	1389	1390	1392	1398
40.0	1264	1265	1267	1268	1269	1270	1271	1273	1275	1277	1280	1284	1288	1292	1291
45.0	1147	1147	1148	1149	1150	1152	1155	1157	1161	1165	1170	1171	1173	1177	1180
50.0	1026	1027	1028	1029	1031	1032	1034	1036	1037	1040	1044	1048	1054	1055	1055
55.0	893	893	894	895	897	899	901	905	908	912	916	917	920	925	929
60.0	756	759	760	761	763	765	767	769	772	774	778	780	783	785	788
65.0	617	618	619	621	623	625	627	629	632	635	639	641	642	644	647
70.0	477	477	479	480	482	484	486	487	490	493	495	498	501	504	505
75.0	345	346	348	349	351	352	354	355	356	357	357	357	359	362	364
80.0	215	215	217	218	220	221	223	225	227	229	230	231	232	233	232
85.0	108	109	111	112	113	114	115	115	116	116	117	116	116	116	115
90.0	3.96	4.23	4.97	5.80	6.63	7.37	8.20	8.84	9.40	9.95	10.0	10.0	9.95	9.67	9.58
95.0	3.38	3.53	3.91	4.33	4.69	4.98	5.33	5.55	5.63	5.63	5.39	5.00	4.49	3.82	3.03
100.0	2.91	2.88	2.86	2.85	2.77	2.71	2.74	2.80	2.78	2.79	2.83	2.90	3.02	3.15	3.39
105.0	3.79	3.81	3.78	3.82	3.79	3.79	3.78	3.87	3.89	3.94	4.04	4.18	4.39	4.67	5.00
110.0	4.71	4.75	4.71	4.79	4.80	4.85	4.83	4.93	4.98	5.08	5.23	5.50	5.64	5.99	6.45
115.0	5.64	5.68	5.63	5.76	5.82	5.87	5.87	5.99	6.07	6.36	6.47	6.72	7.05	7.47	8.01
120.0	6.60	6.61	6.56	6.72	6.83	6.89	6.90	7.04	7.25	7.46	7.59	7.84	8.25	8.48	9.28
125.0	7.43	7.54	7.48	7.69	7.85	7.91	7.93	8.08	8.32	8.45	8.67	9.06	9.43	9.89	10.2
130.0	8.28	8.46	8.48	8.66	8.87	8.93	9.11	9.11	9.32	9.49	10.0	10.1	10.2	11.0	11.5
135.0	9.31	9.39	9.58	9.63	9.88	9.95	10.3	10.1	10.3	10.7	10.8	11.4	11.5	11.7	12.5
140.0	10.4	10.3	10.7	10.5	10.8	10.9	11.2	11.1	11.3	11.5	11.9	12.1	12.9	12.9	13.4
145.0	11.3	11.2	11.8	11.5	11.9	11.9	12.0	12.4	12.3	12.5	12.8	13.2	13.4	14.3	14.2
150.0	12.2	12.1	12.6	12.5	12.9	12.9	13.0	13.5	13.2	13.5	13.7	14.0	14.7	14.6	15.0
155.0	13.1	13.0	13.4	13.5	13.9	13.9	14.0	14.1	14.7	14.4	14.6	14.9	15.1	15.5	15.9
160.0	14.0	14.5	14.5	14.4	14.9	14.9	15.0	15.1	15.2	15.8	15.9	15.7	15.9	16.2	16.5
165.0	15.1	15.7	15.7	15.4	15.9	15.9	16.0	16.1	16.2	16.3	16.4	16.9	17.3	17.2	17.1
170.0	16.7	16.5	16.8	16.4	16.8	16.9	17.0	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.8
175.0	17.8	17.9	17.6	17.3	17.6	17.9	18.0	18.0	18.0	18.1	18.1	18.2	18.2	18.3	18.4
180.0	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3

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	1735	1736	1736	1737	1739	1740	1741	1739	1737	1736	1734	1733	1732	1731	1730
10.0	1712	1713	1713	1714	1715	1717	1719	1715	1713	1710	1708	1707	1705	1705	1704
15.0	1679	1678	1677	1677	1678	1681	1683	1679	1675	1671	1669	1668	1668	1669	1670
20.0	1634	1633	1628	1626	1627	1630	1634	1627	1622	1619	1618	1619	1620	1613	1610
25.0	1564	1568	1567	1564	1563	1563	1567	1560	1556	1554	1554	1552	1547	1543	1541
30.0	1485	1485	1490	1490	1486	1486	1491	1482	1477	1476	1475	1468	1465	1465	1464
35.0	1400	1397	1397	1400	1394	1395	1401	1390	1384	1385	1379	1376	1377	1372	1364
40.0	1294	1302	1294	1293	1293	1290	1294	1284	1281	1277	1274	1278	1267	1261	1258
45.0	1178	1181	1185	1181	1183	1177	1181	1170	1169	1162	1163	1155	1148	1146	1140
50.0	1059	1057	1061	1058	1058	1052	1058	1044	1043	1039	1036	1027	1024	1018	1017
55.0	927	929	926	931	923	919	921	910	907	910	898	894	890	889	883
60.0	792	790	789	788	787	783	784	772	770	763	757	754	753	745	740
65.0	647	649	649	643	647	639	643	627	628	615	614	610	604	601	602
70.0	504	504	507	503	499	495	500	483	477	473	471	462	464	468	470
75.0	366	367	363	365	359	358	355	345	334	332	325	330	332	329	327
80.0	232	234	235	233	234	233	226	213	203	203	202	200	199	200	202
85.0	115	115	115	113	117	116	113	76.3	78.8	80.2	84.1	85.6	86.7	90.5	93.7
90.0	9.77	9.95	10.2	9.58	8.66	7.55	8.20	1.01	1.10	1.10	1.10	1.19	1.29	1.38	1.38
95.0	1.99	2.17	2.57	3.33	4.96	8.91	9.86	5.22	2.95	2.15	1.77	1.66	1.65	1.72	1.81
100.0	3.76	4.29	5.09	6.57	8.75	12.4	9.95	7.04	5.11	3.88	3.22	2.87	2.78	2.70	2.67
105.0	5.54	6.07	7.30	8.71	11.2	13.7	10.0	8.05	6.40	5.27	4.56	4.22	3.98	3.78	3.68
110.0	7.07	7.88	8.96	10.5	12.2	14.8	10.1	8.64	7.34	6.38	5.63	5.34	5.03	4.82	4.72
115.0	8.50	9.34	10.4	11.3	13.3	15.2	10.3	9.15	8.06	7.62	6.90	6.55	6.12	5.96	5.84
120.0	9.83	10.5	11.5	12.8	14.1	15.7	10.5	9.80	9.23	8.77	7.92	7.52	7.34	6.89	6.73
125.0	11.1	12.0	12.5	13.6	14.8	16.1	12.0	10.9	9.89	9.54	8.89	8.69	8.17	7.97	7.64
130.0	11.8	13.0	13.4	14.7	15.3	16.4	12.2	11.6	11.3	10.6	10.0	9.86	9.28	8.85	8.09
135.0	13.1	13.8	14.1	15.4	16.4	17.4	13.0	12.5	12.2	11.1	11.0	10.0	9.90	9.14	9.18
140.0	13.9	14.6	15.3	16.0	16.8	17.6	13.1	12.7	12.5	12.1	11.1	10.5	10.6	10.2	10.1
145.0	14.7	15.3	15.6	16.3	17.2	17.9	13.2	12.8	12.7	12.4	12.0	11.5	11.6	10.8	10.5
150.0	15.8	16.5	16.4	16.9	17.5	18.1	14.7	14.2	13.5	12.8	12.4	12.0	11.7	11.8	11.6
155.0	16.4	16.5	16.9	17.4	17.8	18.3	14.1	13.8	13.7	13.6	13.4	13.0	12.7	12.4	12.2
160.0	16.8	17.1	17.4	17.8	18.1	18.5	14.8	14.5	14.2	13.9	13.7	13.4	13.2	12.9	12.7
165.0	17.3	17.5	17.8	18.0	18.3	18.6	14.8	14.6	14.4	14.2	14.0	13.5	13.0	12.9	12.7
170.0	17.9	18.1	18.5	18.8	19.1	19.4	14.1	14.0	14.0	14.0	14.1	14.2	14.1	14.0	13.6
175.0	18.4	18.5	18.6	18.7	18.8	18.8	14.9	14.8	14.7	14.7	14.6	14.5	14.4	14.3	14.2
180.0	18.3	18.3	18.3	18.3	18.3	18.3	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

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	1729	1728	1728	1728	1727	1727	1727	1726	1726	1726	1726	1726	1726	1727	1727
10.0	1704	1704	1704	1704	1705	1705	1705	1706	1706	1706	1706	1706	1706	1705	1704
15.0	1668	1664	1661	1659	1658	1656	1656	1655	1654	1655	1655	1655	1655	1656	1657
20.0	1607	1605	1604	1603	1603	1603	1603	1603	1603	1603	1604	1603	1603	1602	1602
25.0	1541	1542	1537	1533	1529	1526	1525	1524	1523	1523	1523	1524	1525	1527	1529
30.0	1456	1452	1448	1445	1443	1442	1442	1441	1442	1442	1443	1443	1444	1444	1445
35.0	1359	1357	1355	1351	1346	1344	1341	1340	1339	1340	1340	1341	1343	1346	1348
40.0	1253	1248	1244	1241	1239	1239	1237	1236	1236	1237	1237	1238	1239	1240	1242
45.0	1136	1133	1132	1128	1124	1120	1118	1116	1116	1116	1117	1119	1121	1123	1126
50.0	1014	1008	1002	999	996	995	994	994	994	995	996	998	999	1001	1002
55.0	877	872	871	869	868	868	867	867	868	868	869	870	872	873	875
60.0	738	738	738	738	739	740	741	741	741	741	742	743	744	744	745
65.0	603	606	607	605	603	603	602	602	602	603	604	606	607	609	610
70.0	467	465	464	463	462	462	462	463	464	465	466	468	469	471	473
75.0	325	325	328	330	332	333	335	336	337	338	339	340	341	342	343
80.0	204	205	207	208	208	209	209	210	210	211	212	213	214	215	216
85.0	95.9	97.8	99.9	101	103	104	105	106	107	108	108	109	109	109	109
90.0	1.29	1.29	1.19	1.29	1.56	1.93	2.30	2.76	3.13	3.87	4.33	4.97	5.16	5.62	5.99
95.0	1.81	1.82	1.82	1.82	1.97	2.13	2.30	2.57	2.76	3.13	3.35	3.66	3.72	3.85	3.95
100.0	2.61	2.54	2.52	2.48	2.45	2.40	2.35	2.41	2.39	2.39	2.40	2.41	2.44	2.40	2.41
105.0	3.52	3.48	3.40	3.36	3.31	3.23	3.16	3.18	3.17	3.13	3.10	3.11	3.10	3.03	3.01
110.0	4.56	4.35	4.27	4.19	4.16	4.05	3.97	3.97	3.94	3.87	3.81	3.81	3.77	3.66	3.61
115.0	5.38	5.16	5.11	5.00	5.00	4.87	4.75	4.79	4.71	4.60	4.54	4.51	4.43	4.40	4.28
120.0	6.38	6.19	6.12	5.79	5.82	5.68	5.47	5.59	5.48	5.34	5.29	5.21	5.08	5.00	5.00
125.0	7.01	6.99	6.80	6.79	6.64	6.48	6.22	6.37	6.24	6.08	6.07	5.91	5.74	5.59	5.62
130.0	8.09	7.97	7.56	7.64	7.44	7.28	6.96	7.06	6.99	6.82	6.83	6.60	6.66	6.43	6.08
135.0	9.22	8.57	8.67	8.43	8.22	8.06	7.70	7.64	7.69	7.55	7.57	7.29	7.50	7.14	7.02
140.0	9.57	9.53	9.43	9.19	9.00	8.55	8.59	8.35	8.37	8.29	8.31	7.98	8.06	7.78	7.61
145.0	10.7	10.4	10.1	9.94	9.76	9.27	9.59	9.21	9.04	9.03	9.04	8.67	8.74	8.94	8.53
150.0	11.3	11.1	10.8	10.6	10.1	10.0	10.1	10.2	9.78	9.77	9.78	9.37	9.42	9.51	9.15
155.0	11.9	11.7	11.5	10.9	10.8	11.2	10.6	10.9	10.5	10.5	10.5	10.4	10.1	10.1	10.4
160.0	12.5	11.8	11.7	11.7	12.0	11.4	11.8	11.4	11.2	11.2	11.2	11.2	10.7	10.8	10.9
165.0	12.6	12.7	12.9	12.5	12.1	12.6	12.4	12.0	11.9	11.9	11.9	12.0	12.0	11.5	11.5
170.0	13.1	13.0	13.1	13.5	13.4	13.0	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.8	12.7
175.0	13.9	13.7	13.5	13.5	13.5	13.5	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.5	13.5
180.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

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)	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	1727	1727	1727	1728	1729	1730	1731	1731	1732	1734	1735	1737
10.0	1704	1703	1703	1703	1703	1703	1703	1705	1706	1707	1709	1712
15.0	1659	1660	1663	1667	1669	1667	1666	1666	1666	1668	1670	1674
20.0	1602	1603	1603	1605	1608	1611	1617	1616	1614	1614	1617	1621
25.0	1532	1535	1540	1538	1538	1540	1544	1549	1550	1549	1549	1552
30.0	1446	1448	1451	1455	1461	1462	1461	1464	1471	1471	1470	1472
35.0	1353	1357	1359	1359	1363	1368	1372	1370	1373	1380	1376	1378
40.0	1243	1247	1251	1257	1260	1259	1263	1268	1267	1270	1274	1272
45.0	1130	1135	1136	1139	1143	1150	1147	1149	1154	1154	1162	1157
50.0	1005	1009	1012	1017	1017	1021	1028	1026	1028	1028	1034	1030
55.0	878	881	882	884	888	891	892	898	894	895	895	896
60.0	746	748	749	751	753	753	754	755	760	755	754	760
65.0	612	614	614	614	615	618	616	613	615	616	610	616
70.0	475	476	478	478	479	478	478	479	475	472	471	468
75.0	344	344	344	345	346	345	343	342	342	338	334	327
80.0	217	219	220	220	221	221	220	218	225	212	198	207
85.0	109	109	108	107	106	105	104	104	105	100	84.3	74.3
90.0	6.35	6.63	6.91	7.18	7.28	7.28	7.28	7.09	6.82	6.35	5.53	4.79
95.0	4.01	3.93	3.85	3.67	3.29	2.80	2.06	1.90	1.66	1.35	0.83	0.00
100.0	2.44	2.39	2.42	2.39	2.35	2.19	2.03	1.77	1.36	0.63	0.00	0.00
105.0	2.97	2.91	2.89	2.79	2.59	2.49	2.11	1.61	1.40	0.55	0.00	0.00
110.0	3.59	3.49	3.34	3.22	3.10	2.87	2.36	1.91	1.34	1.09	0.34	0.00
115.0	4.15	4.08	3.98	3.75	3.41	3.03	3.03	2.39	1.83	1.08	0.91	0.66
120.0	4.78	4.62	4.49	4.36	4.10	3.83	3.29	3.33	2.57	2.11	1.79	1.61
125.0	5.50	5.39	5.22	5.09	4.97	4.46	4.26	3.59	3.94	3.60	2.86	2.79
130.0	6.22	5.92	5.77	5.88	5.74	5.57	5.13	4.68	4.85	4.10	4.10	4.69
135.0	6.99	6.80	6.61	6.42	6.56	6.37	6.15	5.97	5.79	5.78	5.44	5.66
140.0	7.44	7.75	7.53	7.30	7.06	7.23	7.05	7.22	6.93	7.20	7.31	7.23
145.0	8.24	8.02	8.51	8.23	7.95	8.18	7.89	8.12	8.34	8.22	8.27	8.55
150.0	9.29	8.94	8.84	9.22	9.16	9.12	8.98	9.02	9.26	8.97	9.15	9.41
155.0	9.88	10.0	9.75	9.98	9.51	10.0	10.3	10.2	10.1	10.3	10.6	10.8
160.0	11.0	11.3	10.7	10.8	10.9	10.5	10.8	11.4	10.7	10.8	11.2	11.6
165.0	11.6	11.7	11.8	12.2	12.1	11.5	11.7	11.8	12.0	12.2	12.3	12.5
170.0	12.2	12.3	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.2	13.3
175.0	13.5	13.5	13.6	13.6	13.7	13.7	13.5	13.5	13.4	13.4	13.3	13.4
180.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

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: