

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

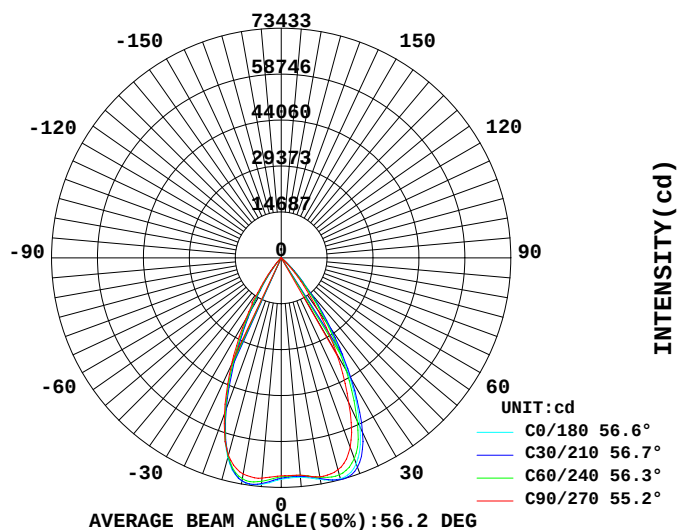
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

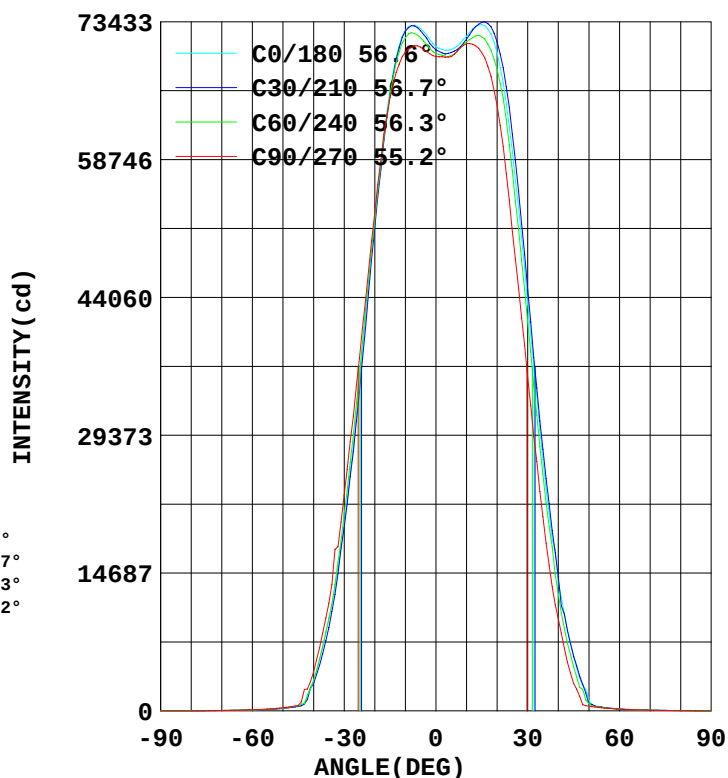
MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	73433	S/MH(C0/180)	0.75
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.78
NOMINAL POWER(W)	500	TOTAL FLUX(lm)	59880	Voltage(V)	217.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	119.8	Current(A)	2.337
NOMINAL FLUX(lm)	59880.1	η up(%)	0.0	Power(W)	499.8
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.983
TEST VOLTAGE(V)	217.4	Effective Flux(lm)	57598.6	EEI	0.118

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年05月29日

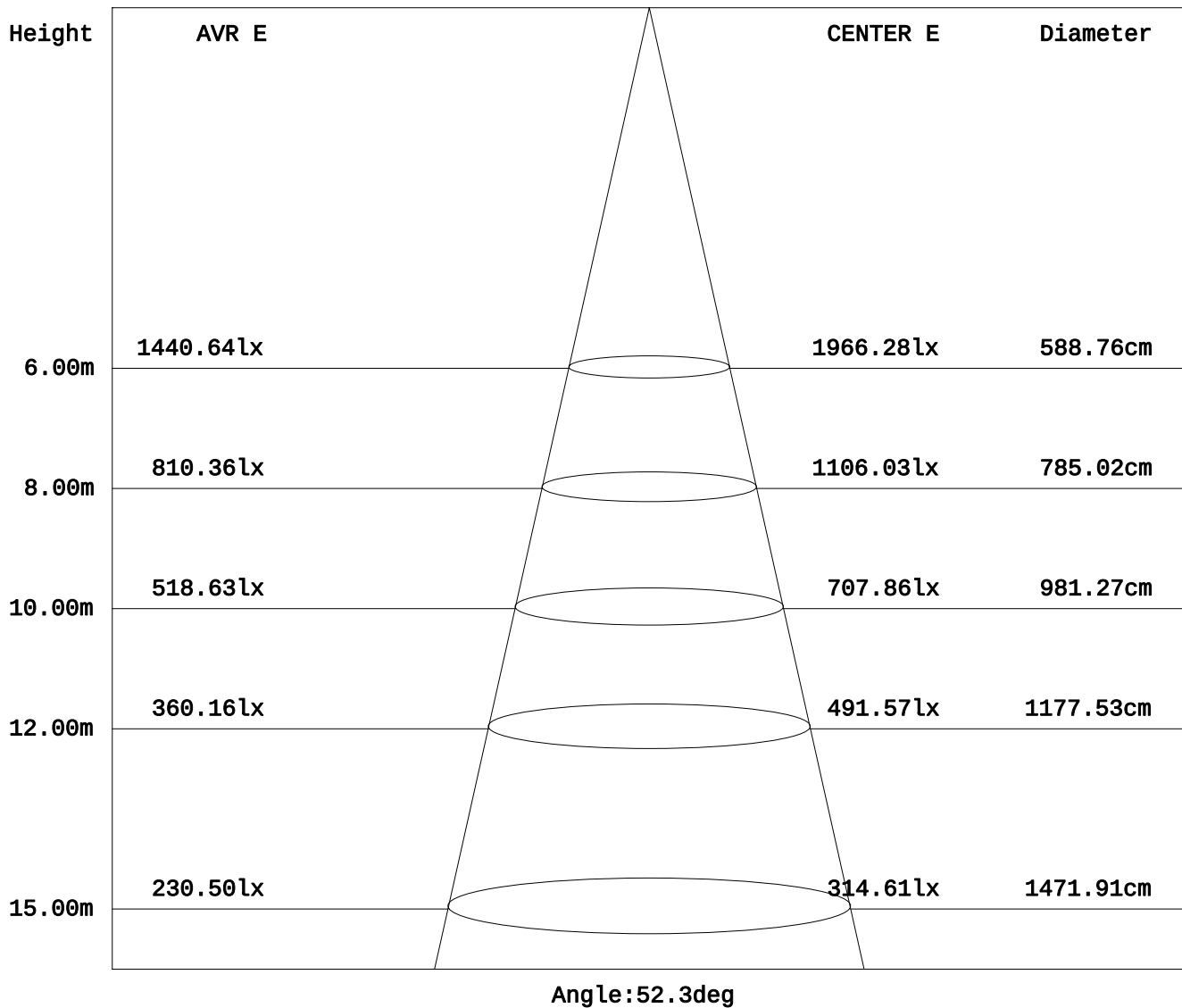
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

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



Test System: HOP00 HPG1900
Temperature: 25.3DEG
Operators:
Test Date: 2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 6.000 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	7273	7209	7073	6958	7046	7000	6971	7007	0- 5	1681	1681
10.0	7249	7206	7018	7024	7186	7145	7110	7120	5- 10	5087	6768
15.0	6616	6572	6536	6832	7312	7260	7013	6825	10- 15	8343	15111
20.0	5208	5173	5297	5990	7012	6982	6450	5796	15- 20	10657	25768
25.0	3477	3489	3758	4564	5964	5950	5109	4239	20- 25	11093	36861
30.0	1981	2016	2294	3045	4335	4313	3556	2682	25- 30	9552	46413
35.0	988.0	935.8	1148	1723	2680	2654	2068	1426	30- 35	6831	53244
40.0	324.5	301.4	414.2	786.2	1390	1340	981.0	632.1	35- 40	3988	57233
45.0	51.28	50.80	59.20	240.2	576.2	527.3	293.1	154.1	40- 45	1740	58973
50.0	28.71	28.24	33.85	45.94	116.9	76.36	50.87	39.25	45- 50	520.1	59493
55.0	17.14	17.00	19.70	26.88	34.98	35.26	29.85	23.05	50- 55	151.7	59645
60.0	10.68	10.35	11.81	15.71	19.99	20.10	17.97	13.21	55- 60	91.05	59736
65.0	7.059	6.931	7.639	9.779	12.12	11.63	11.14	8.703	60- 65	58.11	59794
70.0	4.420	4.332	4.842	6.330	7.988	8.080	7.250	5.439	65- 70	38.55	59833
75.0	2.293	2.242	2.685	3.837	5.223	5.185	4.518	3.081	70- 75	25.01	59858
80.0	0.896	0.814	1.130	1.940	2.973	2.964	2.466	1.416	75- 80	14.27	59872
85.0	0.292	0.203	0.108	0.630	1.231	1.276	0.994	0.229	80- 85	6.204	59878
90.0	0.317	0.259	0.166	0.196	0.158	0.135	0.169	0.092	85- 90	1.893	59880
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT: lm	

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

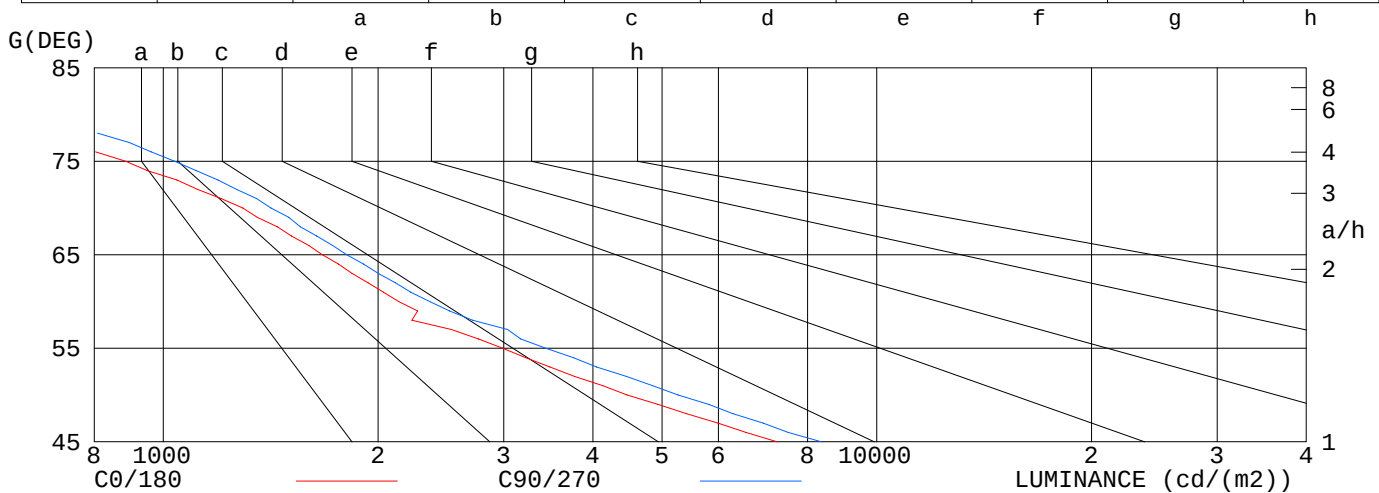
LUMINANCE LIMITATION CURVES

Report number:

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

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	335	124
80	516	651
75	886	1038
70	1293	1416
65	1670	1808
60	2137	2362
55	2989	3436
50	4466	5267
45	7253	8372

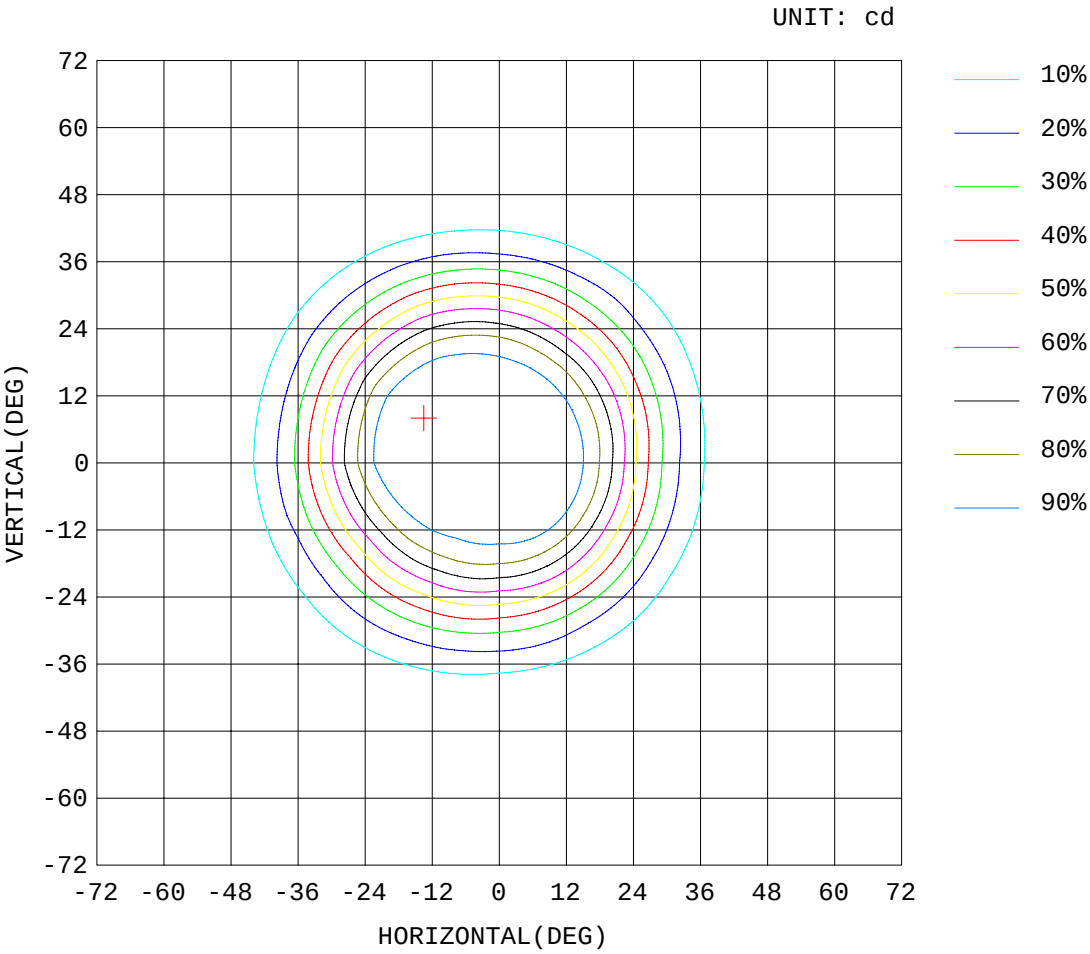
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年05月29日

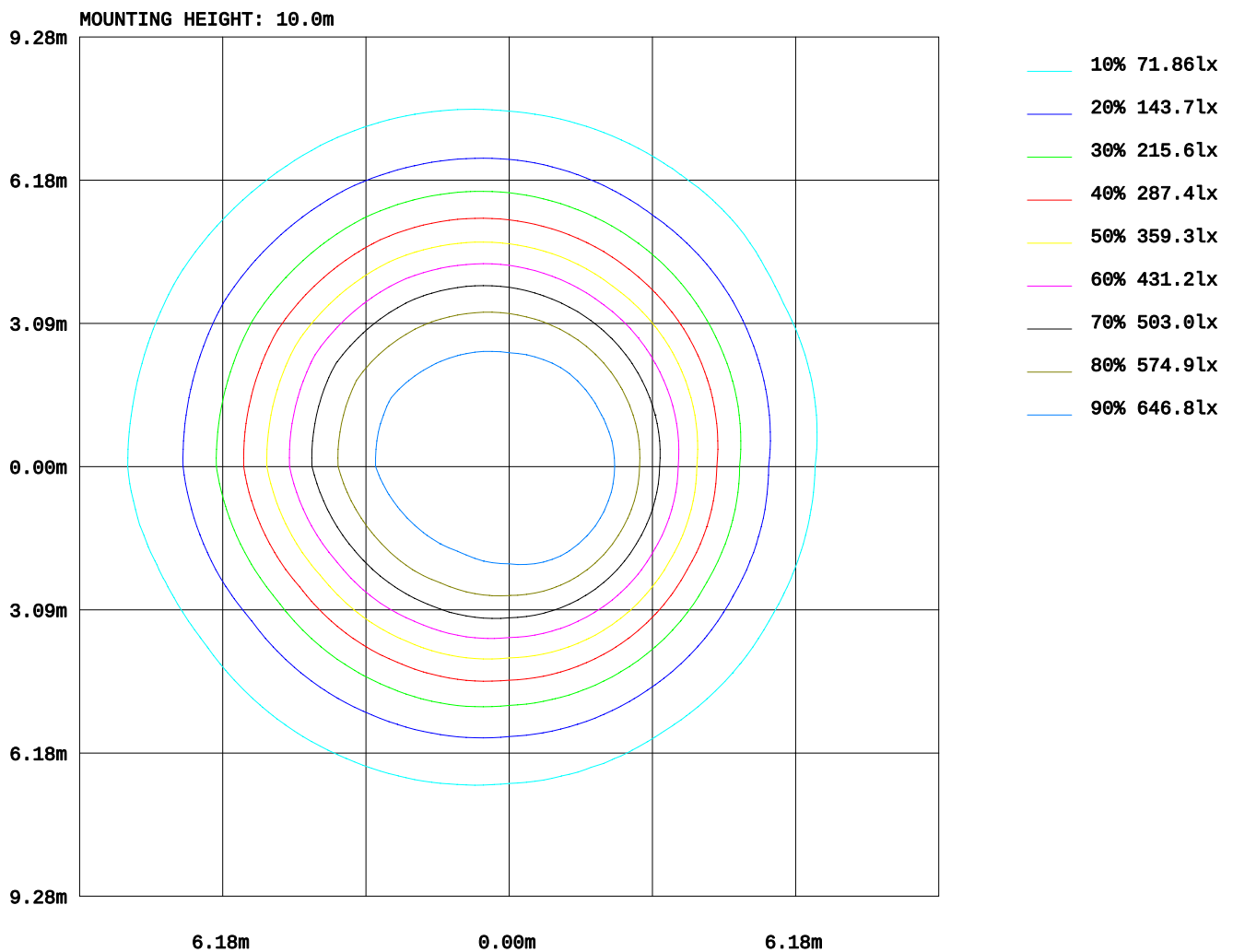
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

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



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

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

72	AREA FLUX DIAGRAM																		UNIT: lm		Φ t	Φ a
	0.18	0.35	0.56	0.78	1.01	1.25	1.46	1.63	1.70	1.64	1.46	1.21	0.94	0.70	0.47	0.29	0.15	0.05	15.8	0.00		
64	0.26	0.52	0.86	1.25	1.74	2.33	2.93	3.39	3.61	3.47	3.00	2.39	1.77	1.27	0.85	0.51	0.26	0.10	30.5	0.00		
56	0.34	0.70	1.21	1.99	3.20	4.76	6.49	8.24	8.81	7.91	6.65	5.03	3.46	2.20	1.34	0.78	0.40	0.16	63.7	0.00		
48	0.43	0.90	1.74	3.38	6.26	18.0	47.0	76.9	90.2	78.3	48.3	19.9	7.03	3.94	2.10	1.10	0.55	0.22	407	75.4		
40	0.51	1.12	2.55	5.83	30.3	106	219	322	366	331	235	121	39.3	7.63	3.29	1.49	0.70	0.27	1793	1558		
32	0.58	1.41	3.57	18.2	107	289	537	747	826	759	568	330	136	29.2	4.80	1.98	0.84	0.33	4359	4209		
24	0.64	1.69	4.82	49.2	214	535	912	1171	1248	1182	949	597	265	75.6	7.84	2.47	0.96	0.37	7217	7095		
VERTICAL (DEG)	0.68	1.93	7.40	82.9	318	747	1183	1365	1384	1366	1221	831	389	118	13.7	2.83	1.04	0.40	9033	8924		
	0.71	2.05	10.6	104	379	851	1264	1384	1368	1374	1317	946	448	138	16.5	2.96	1.07	0.41	9608	9512		
	0.70	2.01	10.1	97.7	357	800	1207	1357	1361	1399	1312	916	426	129	14.3	2.85	1.05	0.40	9392	9292		
	0.66	1.82	6.60	67.5	262	609	994	1241	1320	1322	1144	738	331	93.4	9.09	2.54	0.98	0.38	8144	8031		
	0.60	1.55	4.15	32.4	150	377	673	913	1027	991	790	472	195	45.0	5.35	2.08	0.87	0.34	5680	5543		
-24	0.52	1.25	2.98	9.51	60.0	180	346	497	566	529	395	217	78.2	12.5	3.62	1.60	0.74	0.29	2901	2728		
-32	0.44	0.97	2.07	4.29	12.6	51.1	117	180	208	186	126	56.4	14.5	4.96	2.38	1.18	0.60	0.24	969	615		
-40	0.36	0.74	1.38	2.61	4.63	7.97	15.6	28.2	32.8	27.0	16.1	8.04	4.89	2.84	1.56	0.88	0.45	0.17	157	0.00		
-48	0.27	0.54	0.95	1.57	2.48	3.66	4.79	5.51	5.66	5.31	4.57	3.54	2.50	1.65	1.06	0.61	0.30	0.12	45.1	0.00		
-56	0.19	0.37	0.63	0.99	1.41	1.86	2.22	2.44	2.46	2.34	2.10	1.77	1.41	1.02	0.67	0.38	0.18	0.07	22.5	0.00		
-64	0.12	0.23	0.38	0.58	0.80	1.01	1.15	1.21	1.19	1.14	1.06	0.94	0.76	0.55	0.35	0.18	0.08	0.02	11.7	0.00		
-72																						
-72 -64 -56 -48 -40 -32 -24 -16 HORIZONTAL (DEG) 16 24 32 40 48 56 64 72																						
Φ t	8.18	20.1	62.6	485	1911	4586	7532	9304	9819	9568	8141	5266	2345	667	89.3	26.7	11.2	4.33	59880			
Φ a	0.00	0.00	0.00	206	1714	4421	7379	9153	9686	9425	7990	5104	2153	351	0.00	0.00	0.00	0.00		57599		

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

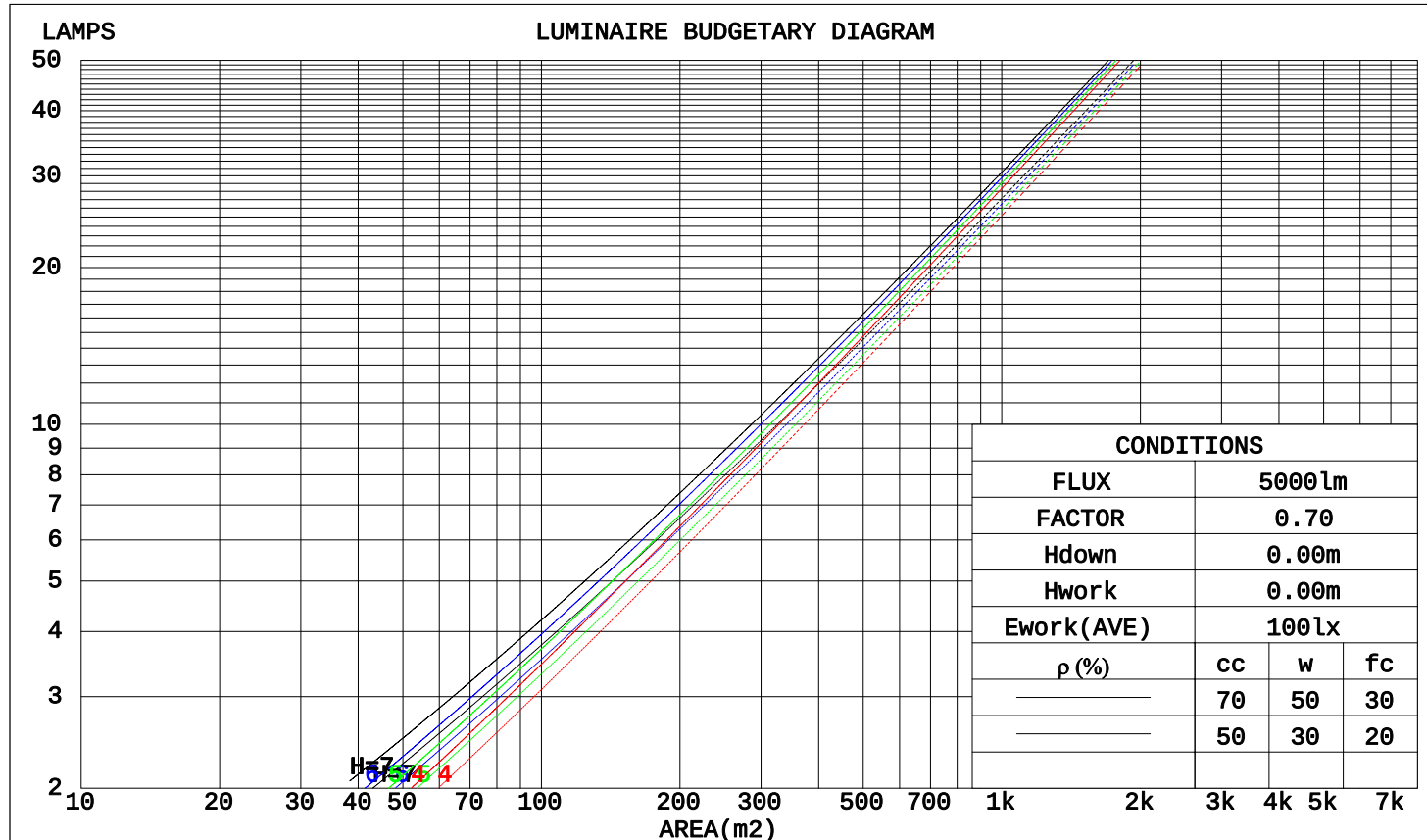
HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

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

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.97	.93	.89	.96	.92	.88	.93	.90	.87	.91	.88	.85	.89	.86	.84	.82
4.0	.91	.86	.82	.90	.85	.81	.88	.84	.81	.86	.82	.80	.84	.81	.79	.77
5.0	.86	.80	.76	.85	.80	.76	.83	.79	.75	.81	.78	.75	.80	.77	.74	.72
6.0	.81	.75	.71	.80	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.68
7.0	.76	.71	.67	.76	.70	.66	.74	.70	.66	.73	.69	.66	.72	.68	.65	.64
8.0	.72	.66	.63	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
9.0	.68	.63	.59	.68	.62	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
10.0	.65	.59	.56	.64	.59	.56	.64	.59	.55	.63	.58	.55	.62	.58	.55	.54



Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Report number:

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

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.171	.097	.031	.164	.094	.030	.152	.087	.028	.140	.081	.026	.130	.075	.024	
2.0	.163	.089	.027	.158	.087	.027	.147	.082	.025	.137	.077	.024	.128	.073	.023	
3.0	.155	.083	.025	.151	.081	.024	.142	.077	.023	.133	.073	.022	.126	.070	.022	
4.0	.148	.077	.023	.144	.075	.022	.136	.072	.022	.129	.069	.021	.122	.067	.020	
5.0	.141	.072	.021	.138	.071	.021	.131	.068	.020	.125	.066	.020	.119	.064	.019	
6.0	.135	.068	.019	.132	.067	.019	.126	.065	.019	.121	.063	.018	.115	.061	.018	
7.0	.129	.064	.018	.127	.063	.018	.121	.061	.018	.116	.060	.017	.112	.058	.017	
8.0	.124	.061	.017	.122	.060	.017	.117	.058	.017	.113	.057	.016	.108	.056	.016	
9.0	.119	.058	.016	.117	.057	.016	.113	.056	.016	.109	.054	.016	.105	.053	.015	
10.0	.114	.055	.015	.112	.054	.015	.109	.053	.015	.105	.052	.015	.102	.051	.015	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.087	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.068	.052	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.078	.084	.068	.055	.048	.040	.032	.016	.013	.011	
4.0	.132	.099	.073	.113	.085	.064	.078	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.123	.087	.060	.106	.075	.053	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.099	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.109	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.037	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.098	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

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 Temperature:25.3DEG
 Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
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 Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

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

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	17.0	17.9	17.2	18.1	18.3	18.4	19.3	18.6	19.5	19.6
3H	16.9	17.7	17.1	17.9	18.1	18.2	19.1	18.5	19.3	19.5
4H	16.8	17.6	17.1	17.8	18.0	18.2	18.9	18.4	19.2	19.4
6H	16.7	17.4	17.0	17.7	17.9	18.1	18.8	18.4	19.0	19.3
8H	16.6	17.4	17.0	17.6	17.9	18.0	18.7	18.3	19.0	19.2
12H	16.6	17.3	16.9	17.5	17.8	18.0	18.7	18.3	18.9	19.2
4H 2H	16.8	17.6	17.0	17.8	18.0	18.2	18.9	18.4	19.2	19.4
3H	16.6	17.3	16.9	17.6	17.8	18.0	18.7	18.3	18.9	19.2
4H	16.5	17.1	16.9	17.4	17.7	17.9	18.5	18.2	18.8	19.1
6H	16.4	17.0	16.8	17.3	17.6	17.8	18.3	18.2	18.7	19.0
8H	16.4	16.9	16.8	17.2	17.6	17.7	18.2	18.1	18.6	19.0
12H	16.3	16.8	16.7	17.1	17.5	17.7	18.2	18.1	18.5	18.9
8H 4H	16.4	16.9	16.8	17.2	17.6	17.7	18.2	18.1	18.6	19.0
6H	16.3	16.7	16.7	17.1	17.5	17.6	18.1	18.1	18.4	18.9
8H	16.2	16.6	16.7	17.0	17.4	17.6	18.0	18.0	18.4	18.8
12H	16.2	16.5	16.6	16.9	17.4	17.5	17.8	18.0	18.3	18.8
12H 4H	16.3	16.8	16.7	17.1	17.5	17.7	18.2	18.1	18.5	18.9
6H	16.2	16.6	16.7	17.0	17.4	17.6	18.0	18.0	18.4	18.8
8H	16.2	16.5	16.6	16.9	17.4	17.5	17.8	18.0	18.3	18.8

Variations with the observer position at spacings:

S = 1.0H	+ 4.6 / -13.1	+ 4.7 / -13.2
1.5H	+ 7.3 / -11.7	+ 7.4 / -11.8
2.0H	+ 4.1 / - 3.1	+ 4.2 / - 3.0

CIE Pub.117 Corrected 59880 lm Total Lamp Luminous Flux.(8log(F/F0) = 14.2)

Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 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	89	83	79	88	83	79	88	82	79	75
0.80	96	91	87	95	90	87	94	90	86	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	106	101	99	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	104	101	96
3.00	112	109	106	110	108	105	107	105	103	97
4.00	114	112	109	112	110	108	109	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

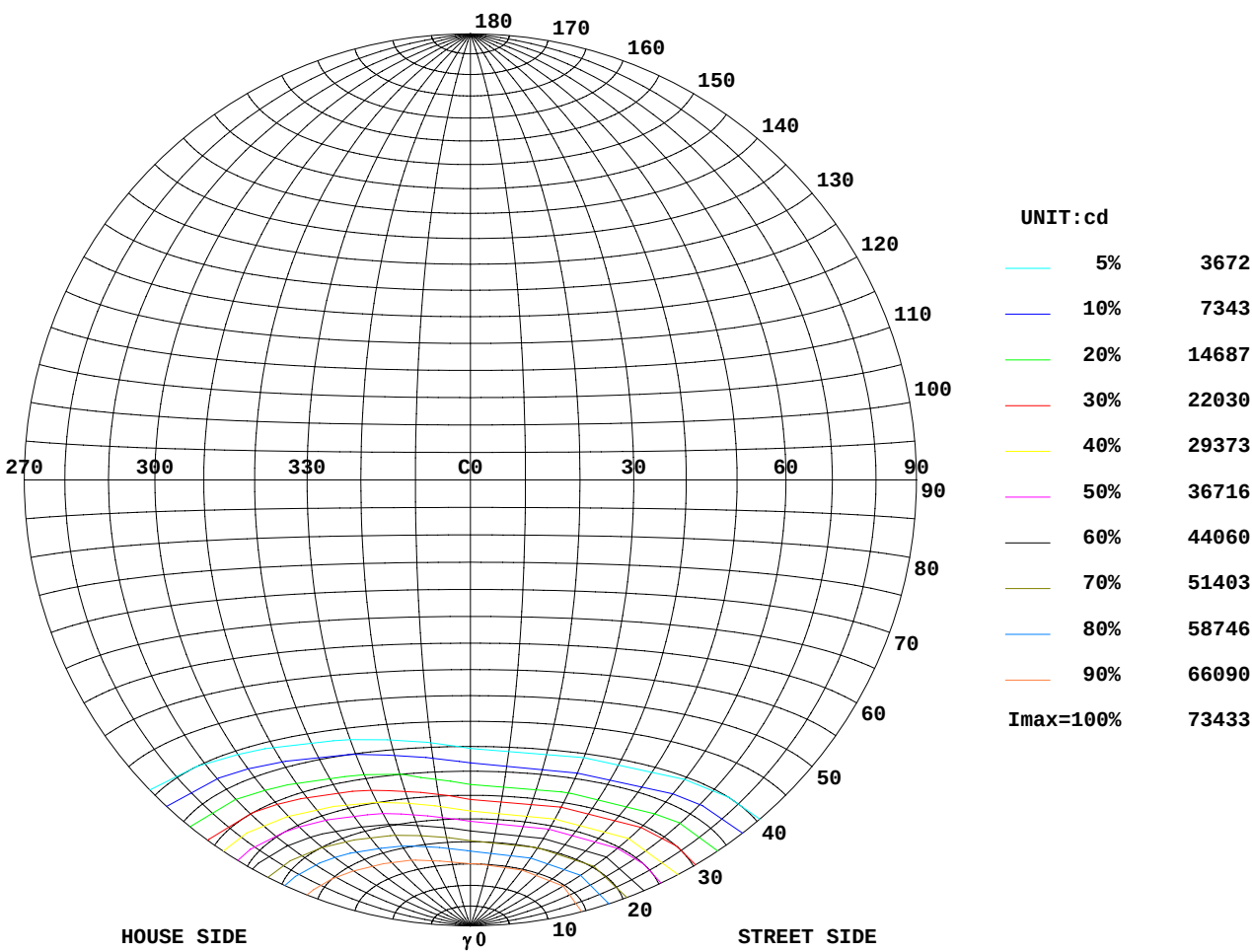
Test System:HOP00 HPG1900
 Temperature:25.3DEG
 Operators:
 Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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



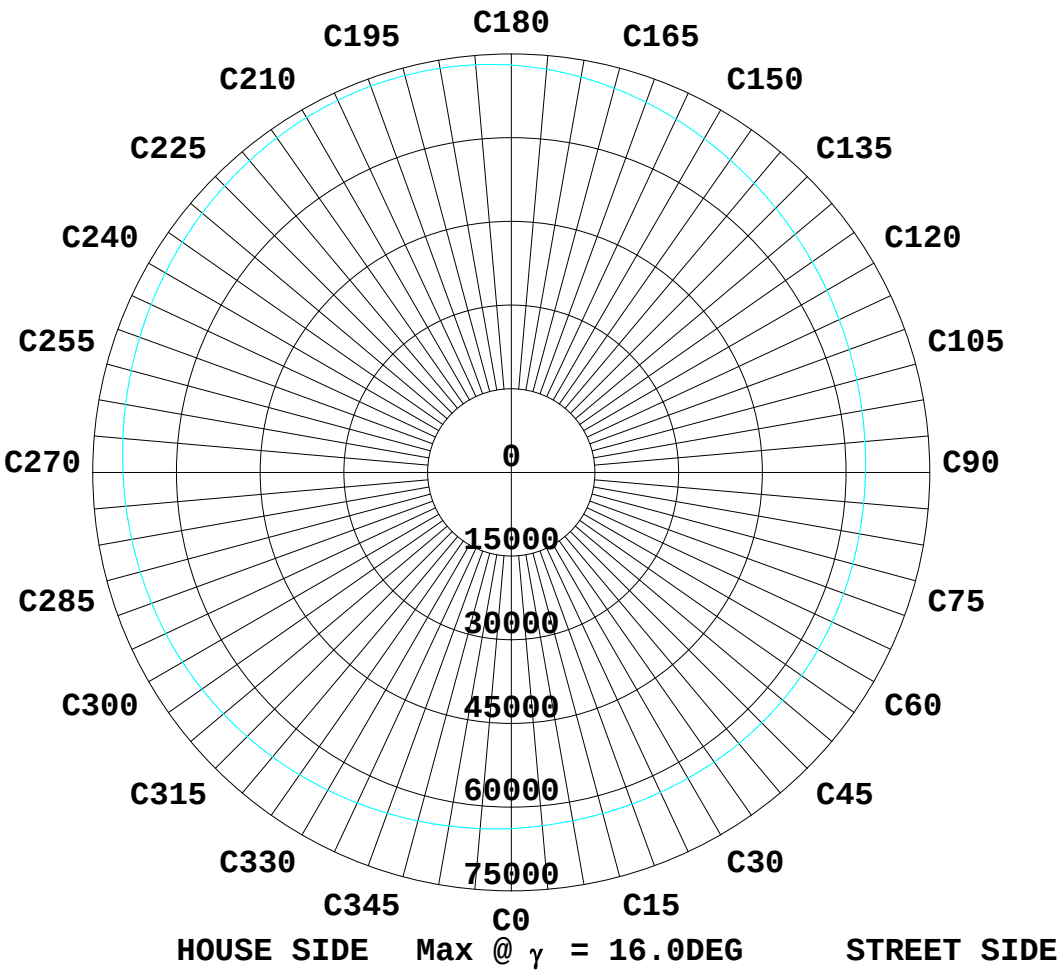
Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

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



Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
Test Date:2018年05月29日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks:

HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: ×10cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	7079	7042	7005	6973	6944	6922	7079	7042	7005	6973	6944	6922
5.0	7273	7246	7171	7073	6985	6931	7046	7015	6984	6971	6981	7034
10.0	7249	7241	7171	7018	6978	7070	7186	7160	7129	7110	7128	7112
15.0	6616	6572	6572	6536	6672	6992	7312	7338	7183	7013	6918	6732
20.0	5208	5137	5210	5297	5687	6294	7012	7128	6835	6450	6006	5586
25.0	3477	3395	3583	3758	4226	4902	5964	6146	5754	5109	4494	3983
30.0	1981	1949	2083	2294	2756	3333	4335	4491	4136	3556	2947	2417
35.0	988	889	983	1148	1513	1932	2680	2788	2520	2068	1725	1127
40.0	325	287	316	414	662	911	1390	1432	1248	981	718	547
45.0	51.2	47.7	53.8	59.2	161	319	576	584	471	293	225	82.8
50.0	28.7	26.1	30.3	33.8	43.1	48.7	117	74.9	77.7	50.8	42.1	36.3
55.0	17.1	16.1	17.9	19.7	25.8	27.9	34.9	37.0	33.5	29.8	24.8	21.2
60.0	10.6	9.58	11.1	11.8	14.9	16.4	19.9	20.8	19.3	17.9	14.6	11.7
65.0	7.05	6.46	7.40	7.63	9.72	9.83	12.1	11.6	11.6	11.1	9.19	8.21
70.0	4.42	3.88	4.77	4.84	6.32	6.33	7.98	8.49	7.66	7.25	5.70	5.17
75.0	2.29	1.88	2.59	2.68	3.79	3.88	5.22	5.57	4.79	4.51	3.29	2.87
80.0	0.90	0.55	1.07	1.13	1.92	1.95	2.97	3.26	2.66	2.46	1.54	1.28
85.0	0.29	0.12	0.29	0.11	0.60	0.66	1.23	1.47	1.08	0.99	0.26	0.20
90.0	0.32	0.21	0.31	0.17	0.27	0.12	0.16	0.24	0.03	0.17	0.03	0.15

Test System:HOP00 HPG1900
Temperature:25.3DEG
Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:6.000 m
Remarks: