

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

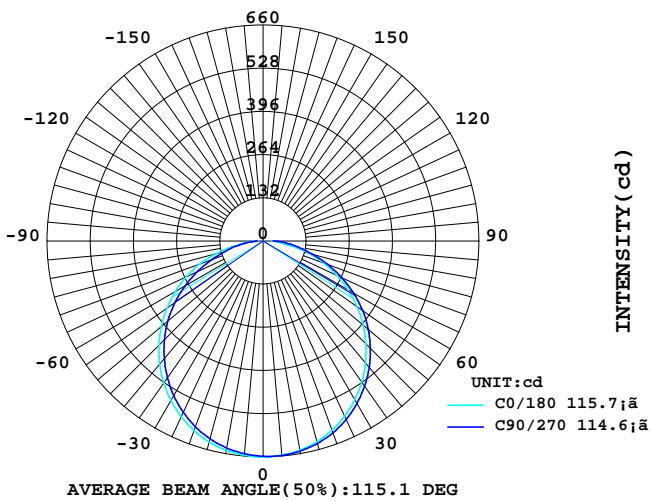
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

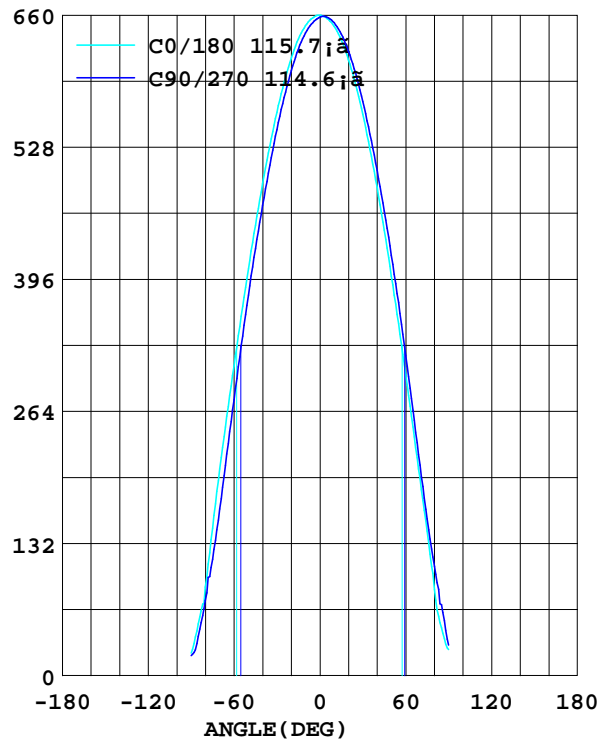
MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

DATA OF LAMP		I <sub>max</sub> (cd)	659.9	S/MH(C0/180)	1.27
MODEL	SMD	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	1956.0	Voltage(V)	231.3
RATED VOLTAGE(V)	232	EFFICIENCY(lm/W)	92.2	Current(A)	0.176
NOMINAL FLUX(lm)	1956.0	η up(%)	0.0	Power(W)	21.20
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.518
TEST VOLTAGE(V)	231.4	Effictive Flux(lm)	1956.0	EEI	0.148

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

---

## Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

---

Test System:HOPOO HPG1600  
Temperature:25.3DEG  
Operators:  
Test Date:10-18-2020

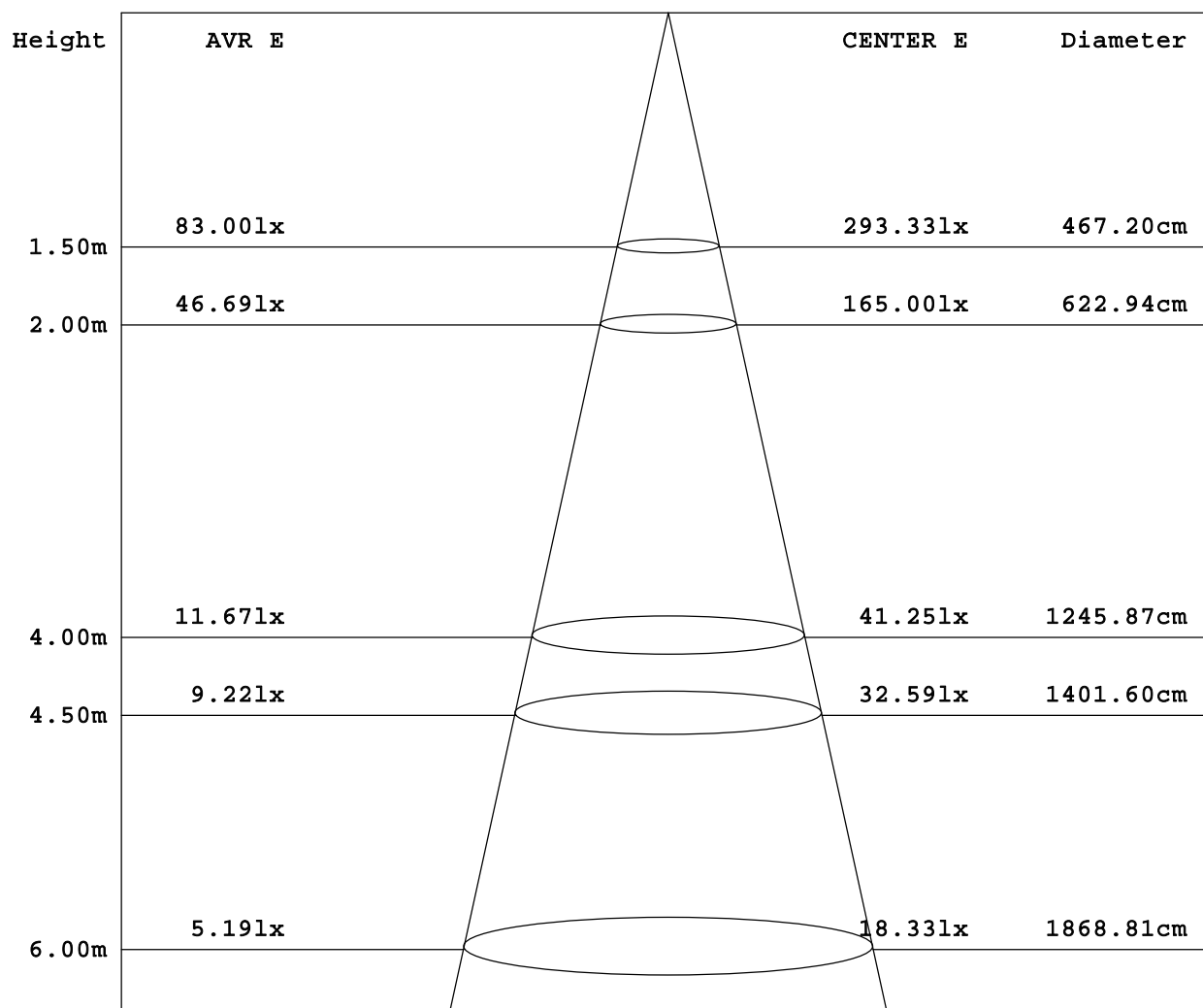
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:5.150 m  
Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706



Angle:114.6deg

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

$\gamma$	C0	C90	C180	C270				$\gamma$	zone	total
5.0	657.4	652.5	656.7	657.9				0- 5	15.72	15.72
10.0	649.5	642.3	648.6	652.3				5- 10	46.66	62.38
15.0	636.0	626.0	635.1	641.0				10- 15	76.09	138.4
20.0	617.2	604.7	615.4	623.9				15- 20	103.0	241.4
25.0	592.5	577.7	590.4	601.8				20- 25	126.4	367.9
30.0	562.9	545.6	561.0	573.8				25- 30	145.6	513.6
35.0	529.7	510.2	526.1	541.1				30- 35	160.1	673.8
40.0	491.7	469.9	487.9	505.0				35- 40	169.4	843.2
45.0	449.9	426.4	445.0	464.2				40- 45	173.0	1016
50.0	406.3	380.3	399.2	419.7				45- 50	171.3	1188
55.0	359.0	329.6	351.7	372.7				50- 55	164.0	1352
60.0	309.4	275.4	300.8	320.2				55- 60	151.1	1503
65.0	259.3	221.4	248.3	265.0				60- 65	133.6	1637
70.0	206.4	166.5	196.8	210.4				65- 70	112.2	1749
75.0	147.4	116.3	144.4	156.6				70- 75	87.69	1836
80.0	88.31	75.16	85.90	109.2				75- 80	61.79	1898
85.0	51.63	39.25	47.82	70.89				80- 85	37.56	1936
90.0	22.67	20.13	25.99	30.39				85- 90	20.16	1956
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:cd								UNIT:lm	

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

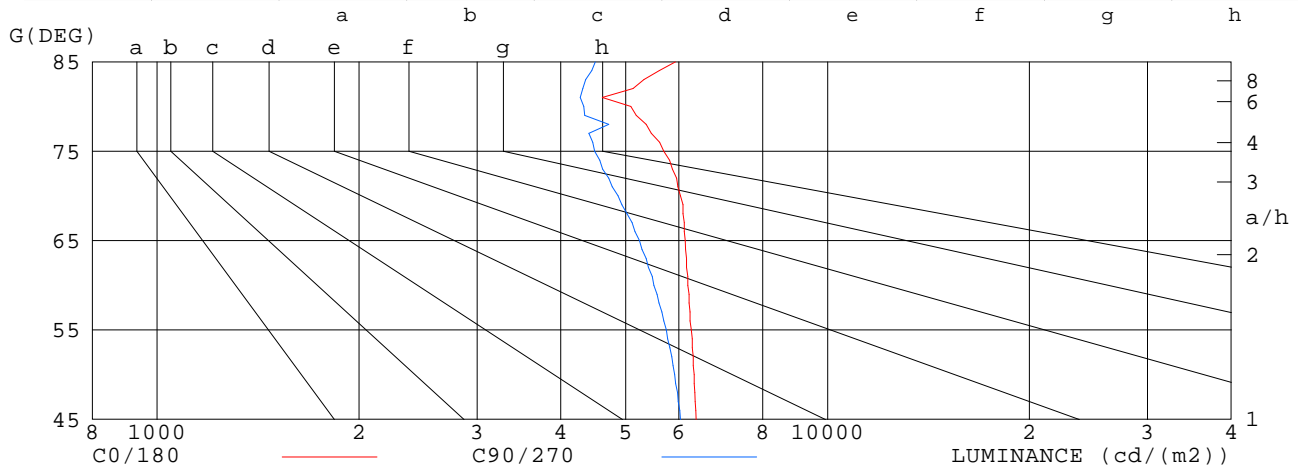
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

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	5925	4504
80	5086	4329
75	5698	4494
70	6035	4870
65	6136	5239
60	6189	5509
55	6260	5747
50	6321	5917
45	6364	6031

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

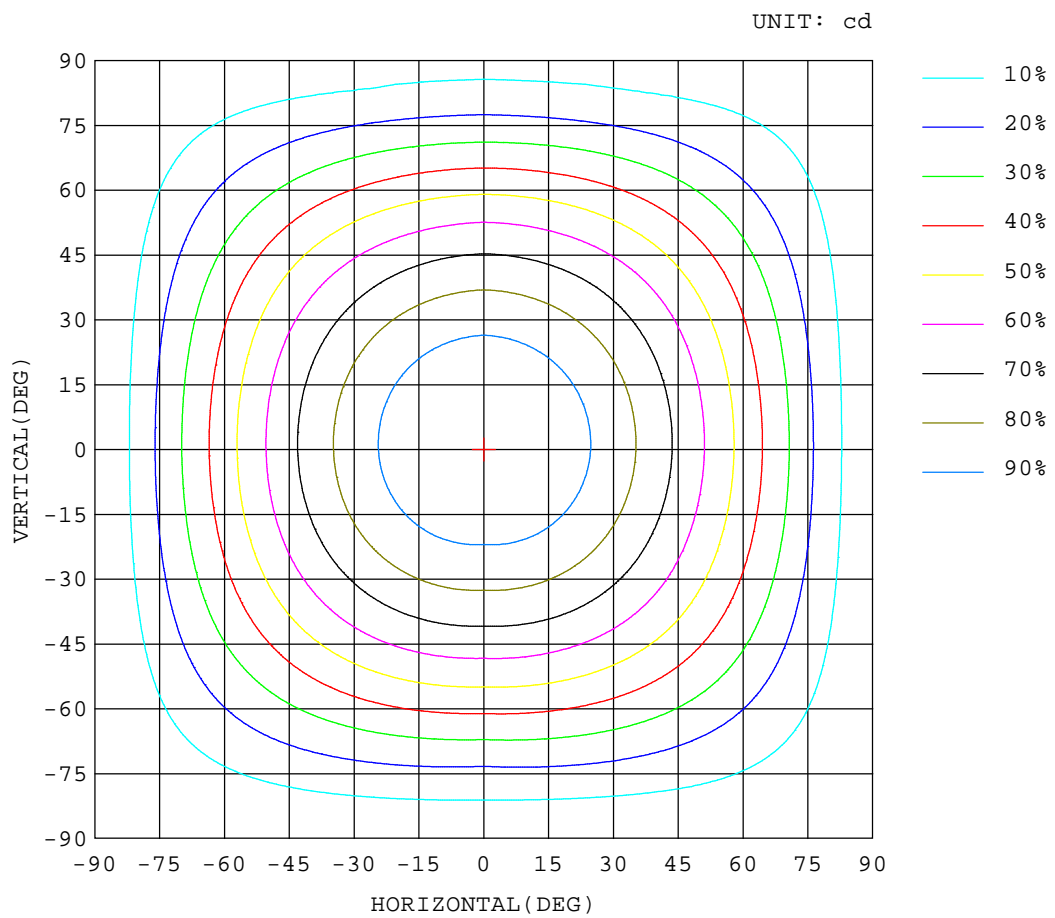
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

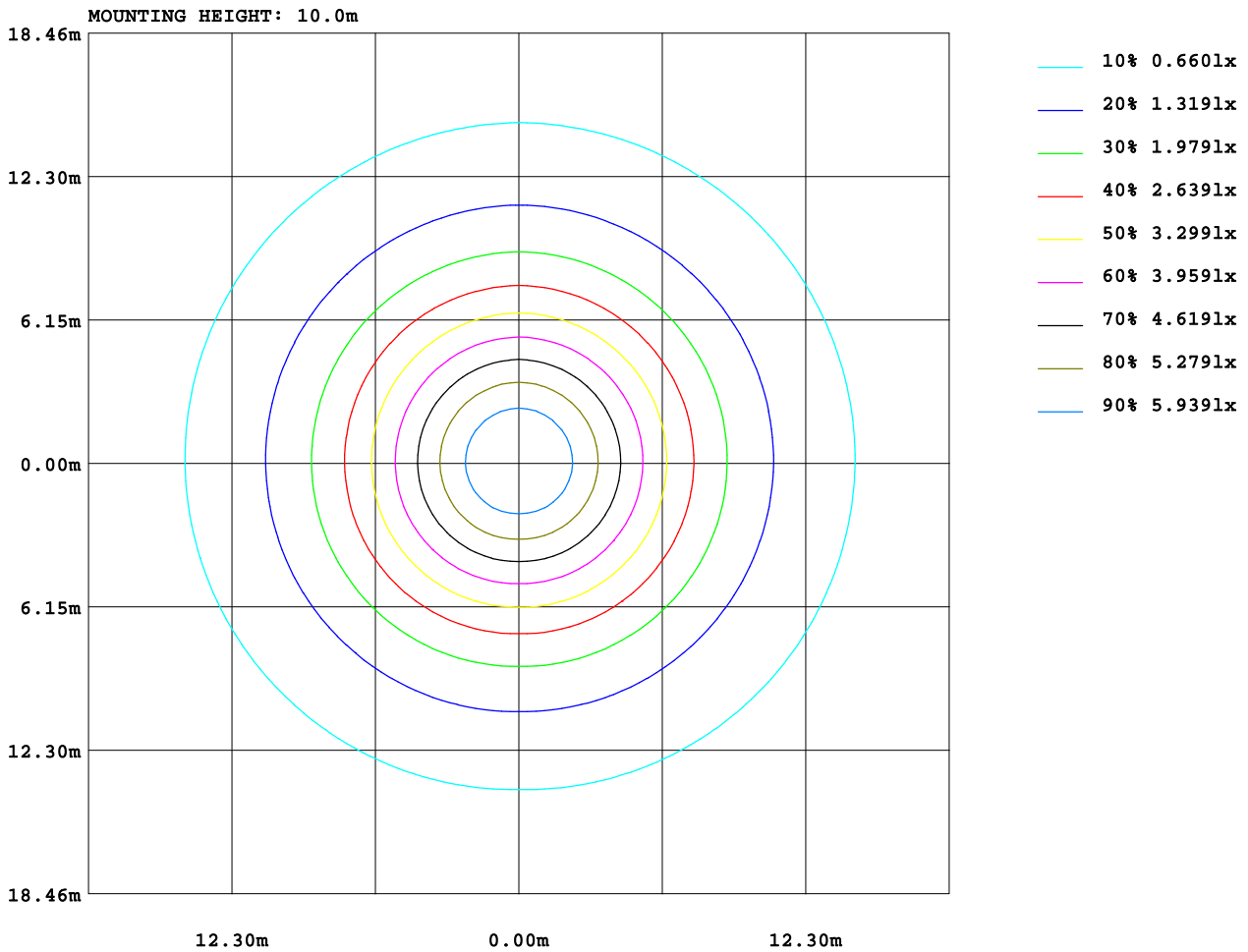
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a	
	0.07	0.25	0.48	0.75	1.05	1.36	1.65	1.89	2.05	2.06	1.90	1.67	1.39	1.07	0.77	0.48	0.24	0.07	19.2	19.2		
90	0.08	0.36	0.80	1.44	2.24	3.07	3.81	4.39	4.72	4.73	4.41	3.83	3.08	2.26	1.47	0.84	0.38	0.08	42.0	42.0		
80	0.10	0.48	1.25	2.41	3.76	5.16	6.43	7.40	7.96	7.98	7.46	6.51	5.26	3.84	2.44	1.25	0.51	0.10	70.3	70.3		
70	0.11	0.63	1.76	3.37	5.26	7.22	9.00	10.3	11.1	11.1	10.4	9.08	7.33	5.39	3.47	1.79	0.64	0.12	98.3	98.3		
60	0.13	0.79	2.23	4.24	6.63	9.09	11.3	12.9	13.9	13.9	13.0	11.3	9.19	6.75	4.37	2.30	0.80	0.13	123	123		
50	0.14	0.94	2.61	4.98	7.78	10.6	13.2	15.1	16.2	16.2	15.2	13.2	10.7	7.90	5.11	2.72	0.95	0.15	144	144		
40	0.15	1.05	2.92	5.56	8.67	11.8	14.7	16.8	18.0	18.0	16.8	14.7	11.9	8.78	5.68	3.03	1.07	0.15	160	160		
30	0.15	1.13	3.12	5.95	9.27	12.6	15.7	18.0	19.2	19.2	18.0	15.7	12.7	9.37	6.07	3.24	1.16	0.16	171	171		
20	0.16	1.16	3.22	6.13	9.55	13.0	16.2	18.5	19.8	19.8	18.5	16.2	13.1	9.66	6.26	3.35	1.20	0.16	176	176		
10	0.16	1.16	3.21	6.10	9.50	13.0	16.1	18.4	19.6	19.6	18.5	16.1	13.0	9.61	6.23	3.33	1.20	0.16	175	175		
0	0.15	1.11	3.08	5.86	9.13	12.4	15.4	17.7	18.8	18.8	17.7	15.5	12.5	9.24	5.99	3.20	1.14	0.16	168	168		
-10	0.14	1.03	2.85	5.42	8.45	11.5	14.3	16.3	17.4	17.4	16.3	14.3	11.6	8.56	5.54	2.96	1.05	0.15	156	156		
-20	0.13	0.91	2.52	4.79	7.48	10.2	12.6	14.4	15.3	15.3	14.4	12.7	10.3	7.59	4.92	2.62	0.92	0.14	138	138		
-30	0.12	0.76	2.11	4.01	6.25	8.56	10.6	12.1	12.8	12.8	12.1	10.6	8.66	6.37	4.14	2.19	0.77	0.13	115	115		
-40	0.11	0.59	1.65	3.12	4.84	6.62	8.20	9.36	9.94	9.96	9.41	8.28	6.72	4.97	3.22	1.68	0.60	0.11	89.4	89.4		
-50	0.09	0.44	1.14	2.17	3.34	4.53	5.58	6.34	6.70	6.72	6.40	5.66	4.62	3.42	2.21	1.14	0.47	0.10	61.1	61.1		
-60	0.08	0.32	0.69	1.23	1.88	2.53	3.08	3.46	3.61	3.62	3.48	3.10	2.54	1.90	1.25	0.73	0.34	0.08	33.9	33.9		
-70	0.07	0.22	0.40	0.59	0.78	0.97	1.12	1.22	1.26	1.27	1.23	1.13	0.99	0.80	0.60	0.40	0.22	0.06	13.3	13.3		
-80	0.07	0.22	0.40	0.59	0.78	0.97	1.12	1.22	1.26	1.27	1.23	1.13	0.99	0.80	0.60	0.40	0.22	0.06	13.3	13.3		
-90	0.07	0.22	0.40	0.59	0.78	0.97	1.12	1.22	1.26	1.27	1.23	1.13	0.99	0.80	0.60	0.40	0.22	0.06	13.3	13.3		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	2.14	13.3	36.0	68.1	106	145	179	205	219	219	206	180	146	108	69.8	37.3	13.6	2.23	1956			
Φ a	2.14	13.3	36.0	68.1	106	145	179	205	219	219	206	180	146	108	69.8	37.3	13.6	2.23		1956		

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:



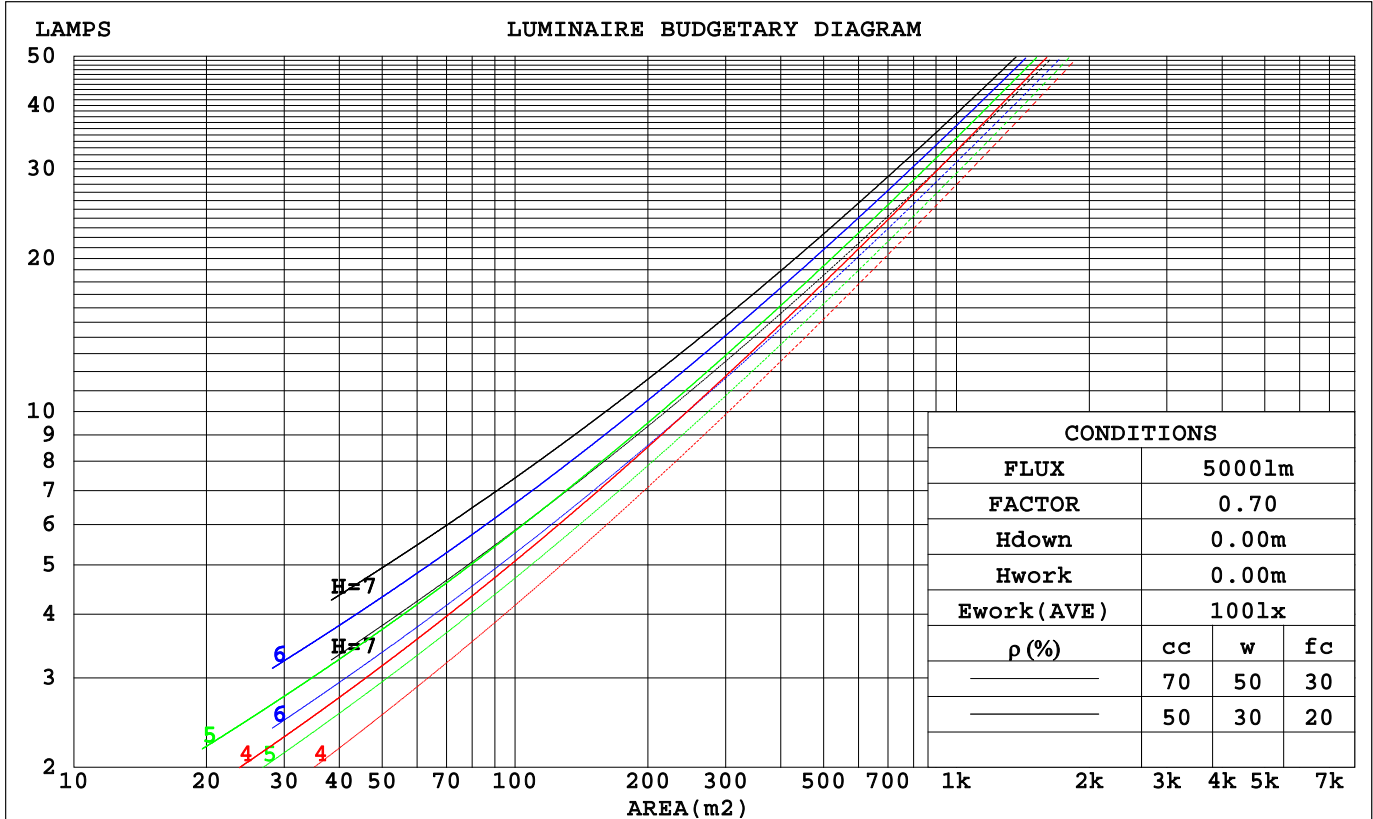
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρw																
ρfc																
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	1.03	.99	.94	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.82
2.0	.89	.82	.76	.88	.81	.75	.84	.78	.74	.81	.76	.72	.78	.74	.70	.68
3.0	.78	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.64	.59	.57
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.63	.57	.51	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.46	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.37
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρw	20%			20%			20%			20%			20%			0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.325	.185	.059	.318	.181	.058	.305	.175	.056	.292	.169	.054	.281	.163	.053	
2.0	.301	.165	.051	.295	.162	.050	.283	.157	.049	.272	.153	.048	.262	.148	.047	
3.0	.276	.147	.044	.271	.145	.044	.261	.141	.043	.251	.137	.042	.242	.134	.041	
4.0	.254	.132	.039	.249	.130	.039	.240	.127	.038	.231	.124	.037	.223	.121	.037	
5.0	.234	.119	.035	.230	.118	.034	.221	.115	.034	.214	.113	.034	.207	.110	.033	
6.0	.217	.109	.031	.213	.107	.031	.205	.105	.031	.199	.103	.030	.192	.101	.030	
7.0	.201	.099	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

ρcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	
ρw	20%			20%			20%			20%			20%			0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0																
1.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
2.0	.181	.156	.133	.155	.134	.115	.106	.092	.079	.061	.053	.046	.020	.017	.015	
3.0	.173	.132	.097	.149	.114	.084	.102	.079	.058	.059	.046	.034	.019	.015	.011	
4.0	.166	.114	.073	.142	.099	.064	.098	.069	.045	.056	.040	.026	.018	.013	.009	
5.0	.158	.101	.058	.136	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
6.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
7.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
8.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
9.0	.130	.070	.028	.112	.060	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
10.0	.124	.065	.025	.106	.056	.022	.074	.039	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: caze back c					TYPE: 3co			WEIGHT:		
SPECIFICATION:					DIMENSION: 170*42			SERIAL No.: LA/YE6L-990706		
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	19.2	20.7	19.5	20.9	21.2	18.8	20.4	19.1	20.6	20.8
3H	20.9	22.3	21.2	22.6	22.8	20.2	21.7	20.5	21.9	22.2
4H	21.6	23.0	21.9	23.2	23.5	20.8	22.2	21.1	22.4	22.7
6H	22.1	23.4	22.4	23.6	23.9	21.3	22.6	21.6	22.8	23.1
8H	22.2	23.5	22.6	23.8	24.1	21.4	22.7	21.8	23.0	23.3
12H	22.4	23.6	22.8	23.9	24.2	21.6	22.8	21.9	23.1	23.4
4H 2H	19.8	21.1	20.1	21.4	21.7	19.5	20.8	19.8	21.1	21.4
3H	21.7	22.9	22.0	23.1	23.5	21.1	22.3	21.5	22.6	22.9
4H	22.5	23.6	22.9	23.9	24.2	21.8	22.9	22.2	23.2	23.6
6H	23.1	24.1	23.5	24.4	24.8	22.4	23.4	22.8	23.7	24.1
8H	23.3	24.2	23.7	24.6	25.0	22.6	23.5	23.0	23.9	24.3
12H	23.6	24.4	24.0	24.8	25.2	22.8	23.6	23.2	24.0	24.4
8H 4H	22.7	23.6	23.1	24.0	24.4	22.1	23.0	22.5	23.4	23.8
6H	23.5	24.2	23.9	24.7	25.1	22.9	23.6	23.3	24.0	24.5
8H	23.8	24.5	24.3	24.9	25.4	23.2	23.9	23.7	24.3	24.8
12H	24.2	24.8	24.7	25.2	25.7	23.5	24.1	24.0	24.5	25.0
12H 4H	22.7	23.6	23.2	24.0	24.4	22.2	23.0	22.6	23.4	23.8
6H	23.5	24.2	24.0	24.6	25.1	23.0	23.6	23.4	24.1	24.5
8H	23.9	24.5	24.4	25.0	25.5	23.3	23.9	23.8	24.4	24.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1956 lm Total Lamp Luminous Flux. (8log(F/F0) = 2.3)

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

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	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	87	95	90	85	77
4.00	106	100	95	103	98	93	99	94	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

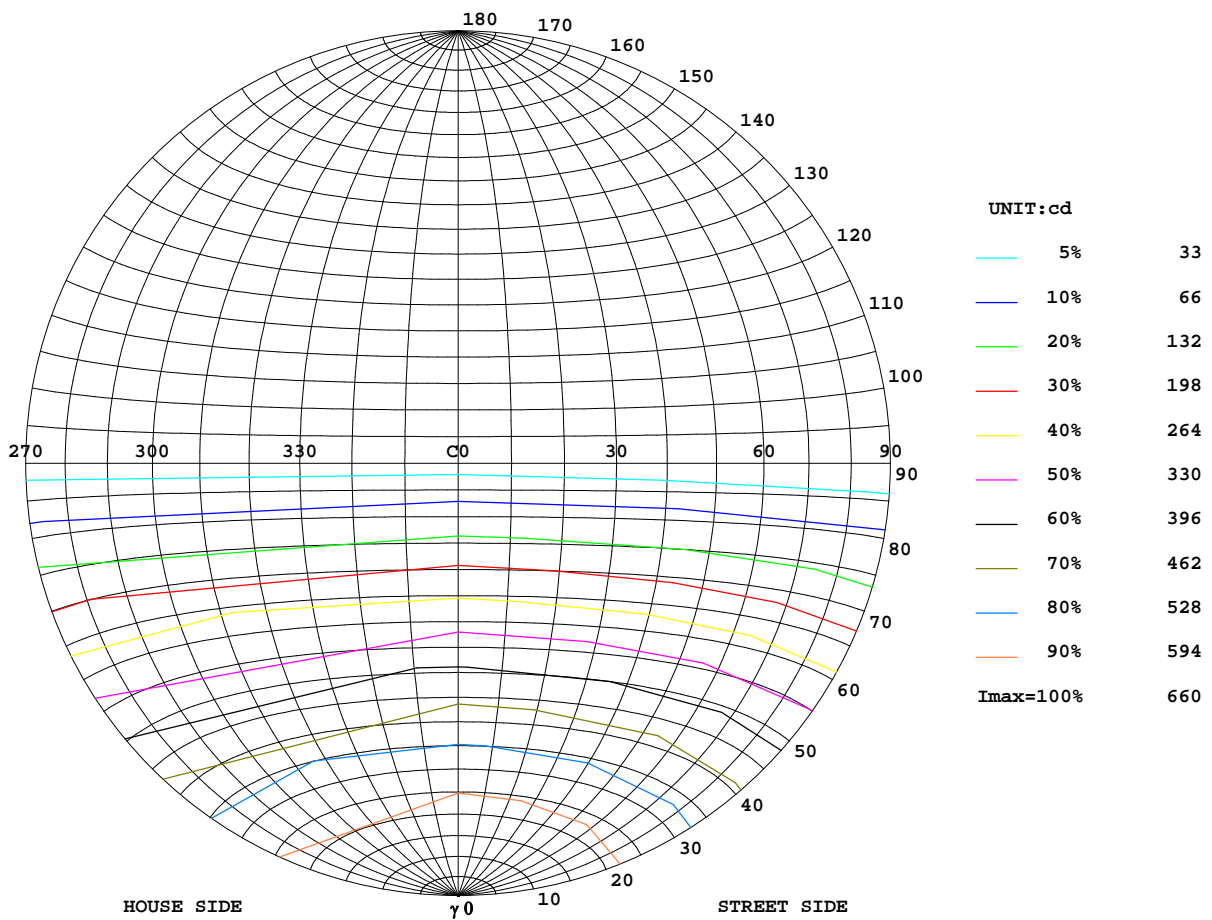
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

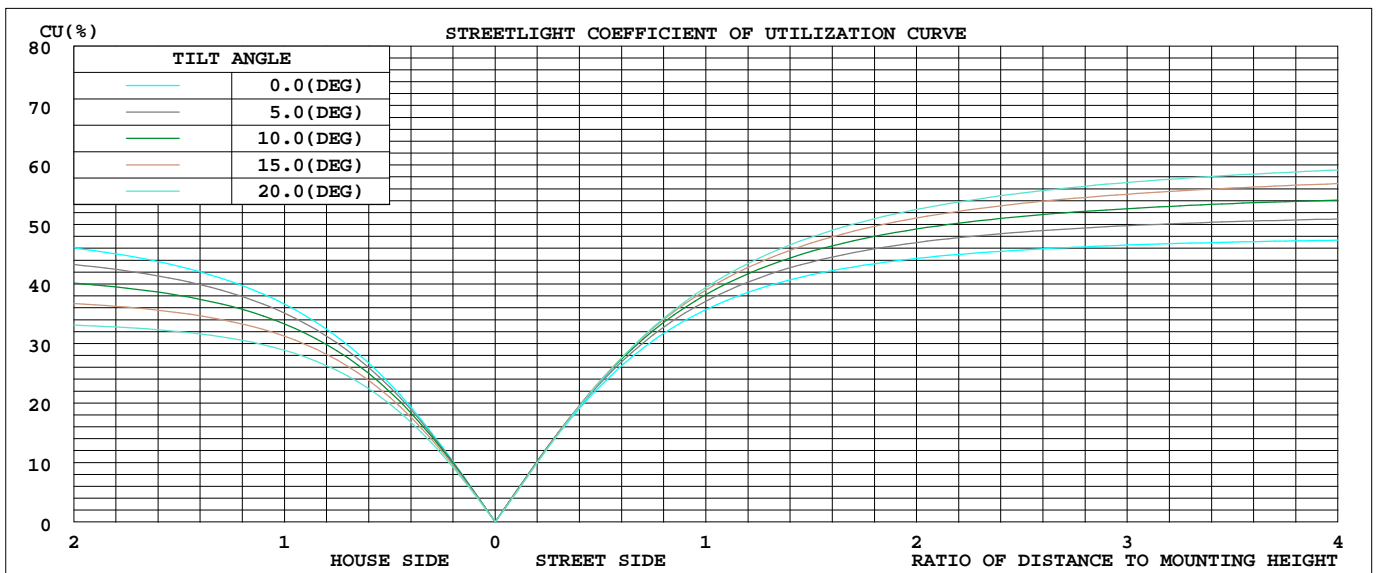
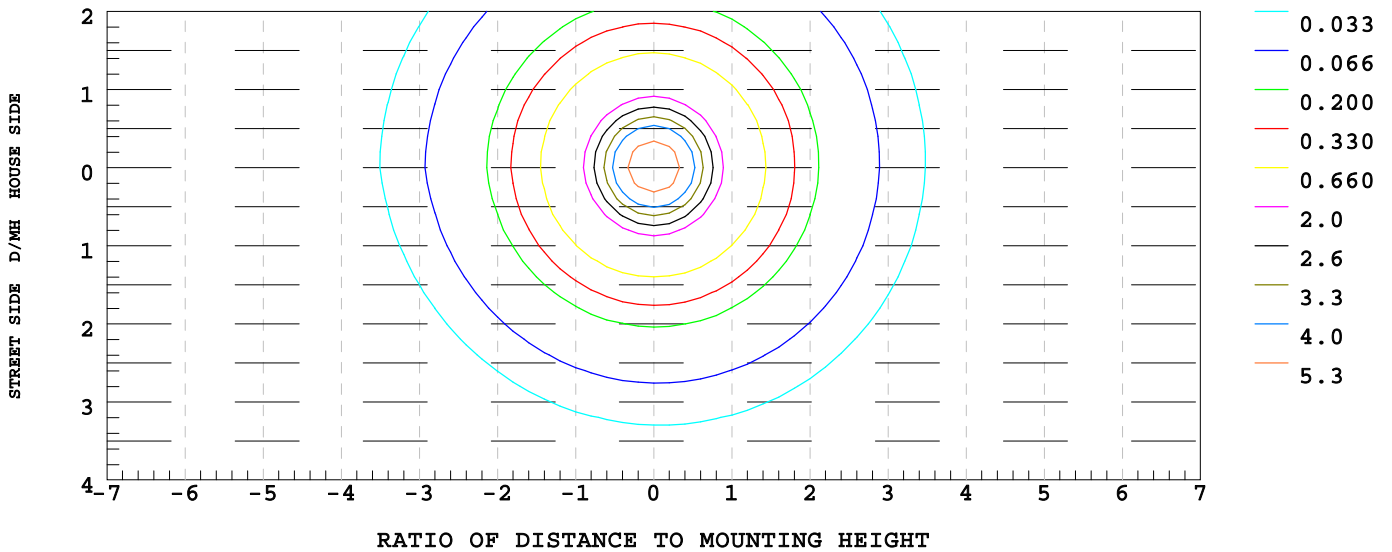
# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

ILLUMINANCE AT MH=10 m, Enadir = 6.60 lx



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

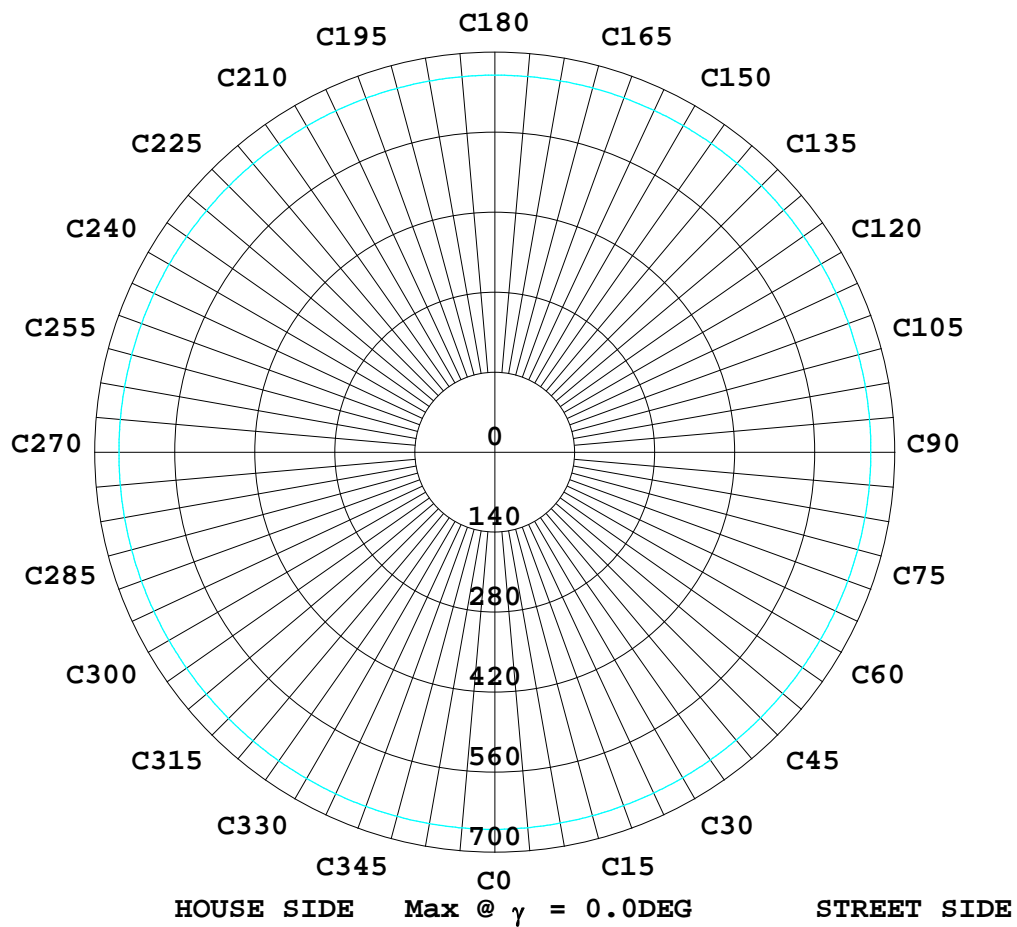
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address:		
NAME: caze back c	TYPE: 3co	WEIGHT:
SPECIFICATION:	DIMENSION: 170*42	SERIAL No.: LA/YE6L-990706

UNIT: cd

γ (DEG)	C (DEG)			
	0	90	180	270
0.0	660	658	660	658
5.0	657	653	657	658
10.0	650	642	649	652
15.0	636	626	635	641
20.0	617	605	615	624
25.0	593	578	590	602
30.0	563	546	561	574
35.0	530	510	526	541
40.0	492	470	488	505
45.0	450	426	445	464
50.0	406	380	399	420
55.0	359	330	352	373
60.0	309	275	301	320
65.0	259	221	248	265
70.0	206	167	197	210
75.0	147	116	144	157
80.0	88.3	75.1	85.9	109
85.0	51.6	39.2	47.8	70.8
90.0	22.6	20.1	25.9	30.3

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:10-18-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.150 m  
 Remarks: