

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

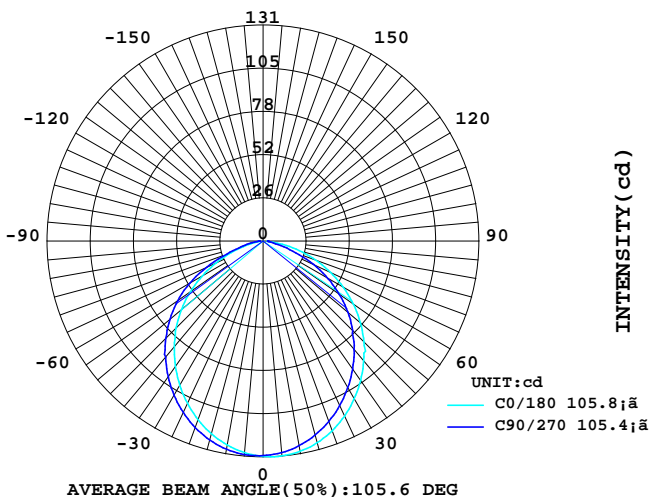
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

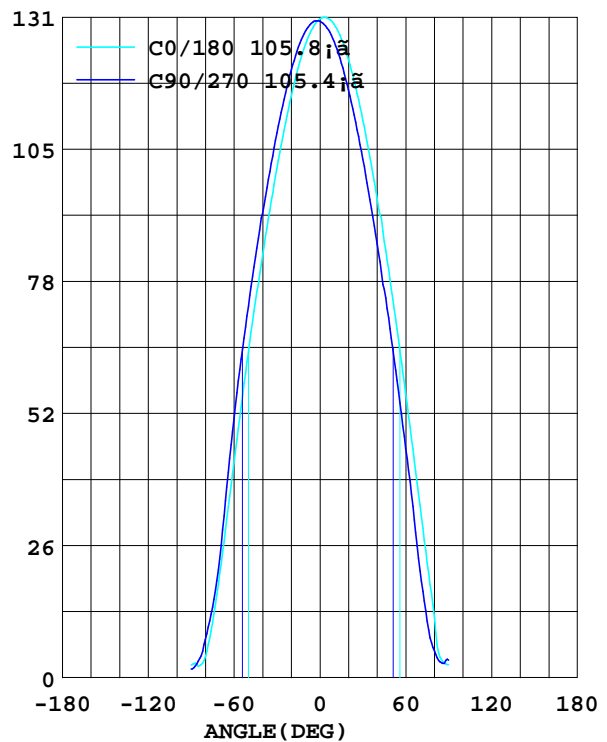
MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

DATA OF LAMP		I _{max} (cd)	130.7	S/MH(C0/180)	1.16
MODEL	SMD	EFFICIENCY(%)	100.0	S/MH(C90/270)	1.24
NOMINAL POWER(W)	7	TOTAL FLUX(lm)	331.83	Voltage(V)	231.5
RATED VOLTAGE(V)	232	EFFICIENCY(lm/W)	43.8	Current(A)	0.067
NOMINAL FLUX(lm)	331.8	η up(%)	0.0	Power(W)	7.580
LAMPS QUANTITY	1	η down(%)	100.0	Power Factor(PF)	0.484
TEST VOLTAGE(V)	231.5	Effective Flux(lm)	331.8	EEI	0.235

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: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

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

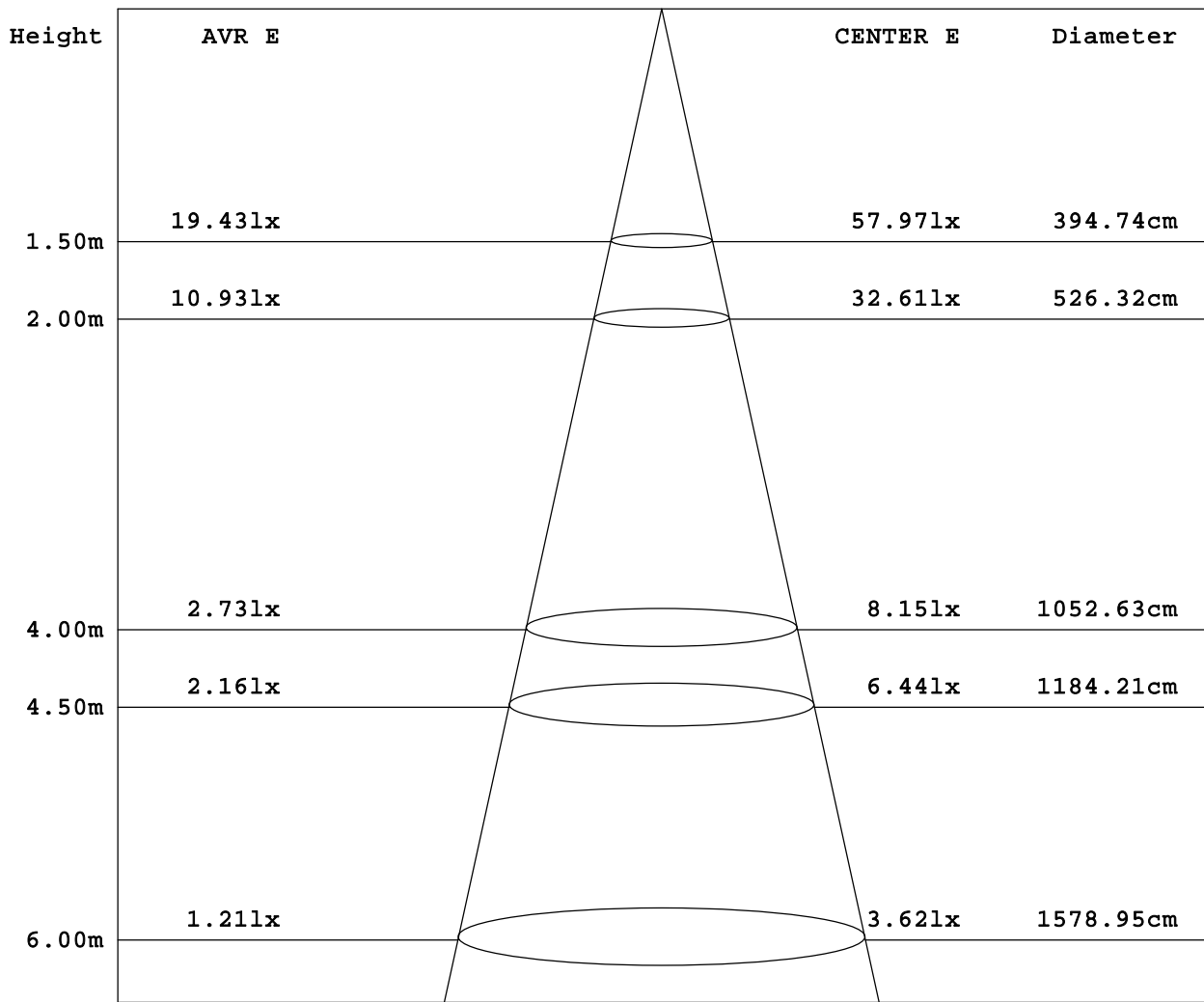
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.150 m
Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706



Angle:105.5deg

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: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

γ	C0	C90	C180	C270				γ	zone	total
5.0	128.6	129.7	130.6	128.6				0- 5	3.103	3.103
10.0	125.4	127.9	129.3	125.8				5- 10	9.179	12.28
15.0	120.9	124.8	126.4	121.6				10- 15	14.86	27.14
20.0	115.1	120.3	122.4	116.3				15- 20	19.94	47.09
25.0	108.3	114.4	116.9	109.9				20- 25	24.22	71.31
30.0	100.8	107.8	110.3	102.6				25- 30	27.56	98.87
35.0	92.56	100.1	103.1	94.65				30- 35	29.89	128.7
40.0	83.54	91.84	94.87	85.82				35- 40	31.14	159.9
45.0	74.63	83.30	86.33	76.88				40- 45	31.35	191.2
50.0	64.39	73.49	76.99	67.18				45- 50	30.46	221.7
55.0	53.65	63.04	66.81	56.49				50- 55	28.38	250.1
60.0	42.64	51.34	56.06	45.37				55- 60	25.17	275.3
65.0	31.40	37.71	45.24	33.89				60- 65	20.91	296.2
70.0	20.60	23.47	34.05	21.13				65- 70	15.63	311.8
75.0	10.95	14.00	22.72	11.16				70- 75	10.25	322.1
80.0	4.004	7.532	11.98	5.304				75- 80	5.754	327.8
85.0	2.280	3.235	3.527	2.917				80- 85	2.469	330.3
90.0	2.493	1.670	2.572	3.474				85- 90	1.495	331.8
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

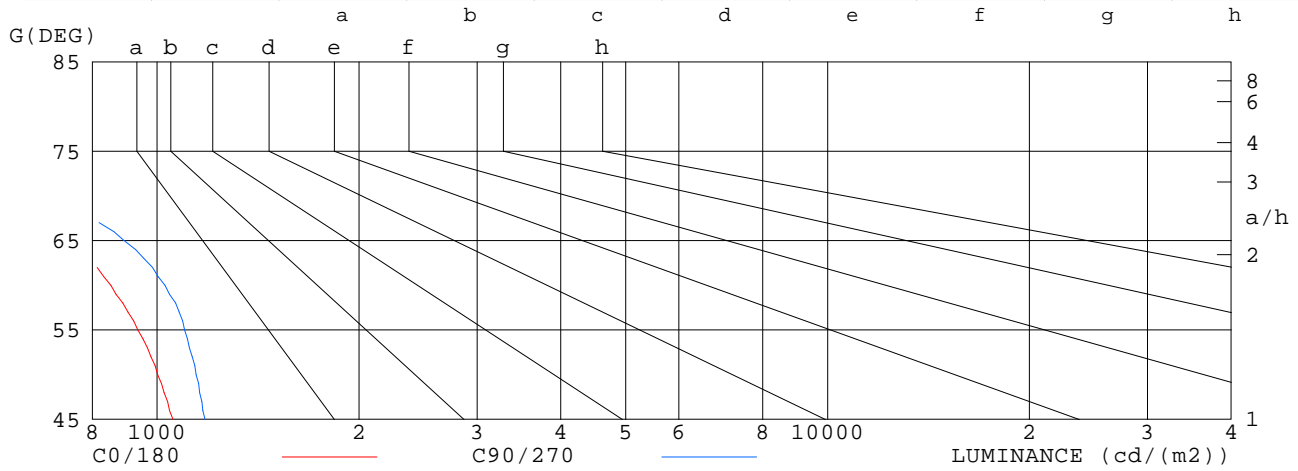
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
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	262	371
80	231	434
75	423	541
70	603	686
65	743	892
60	853	1027
55	935	1099
50	1002	1143
45	1055	1178

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:

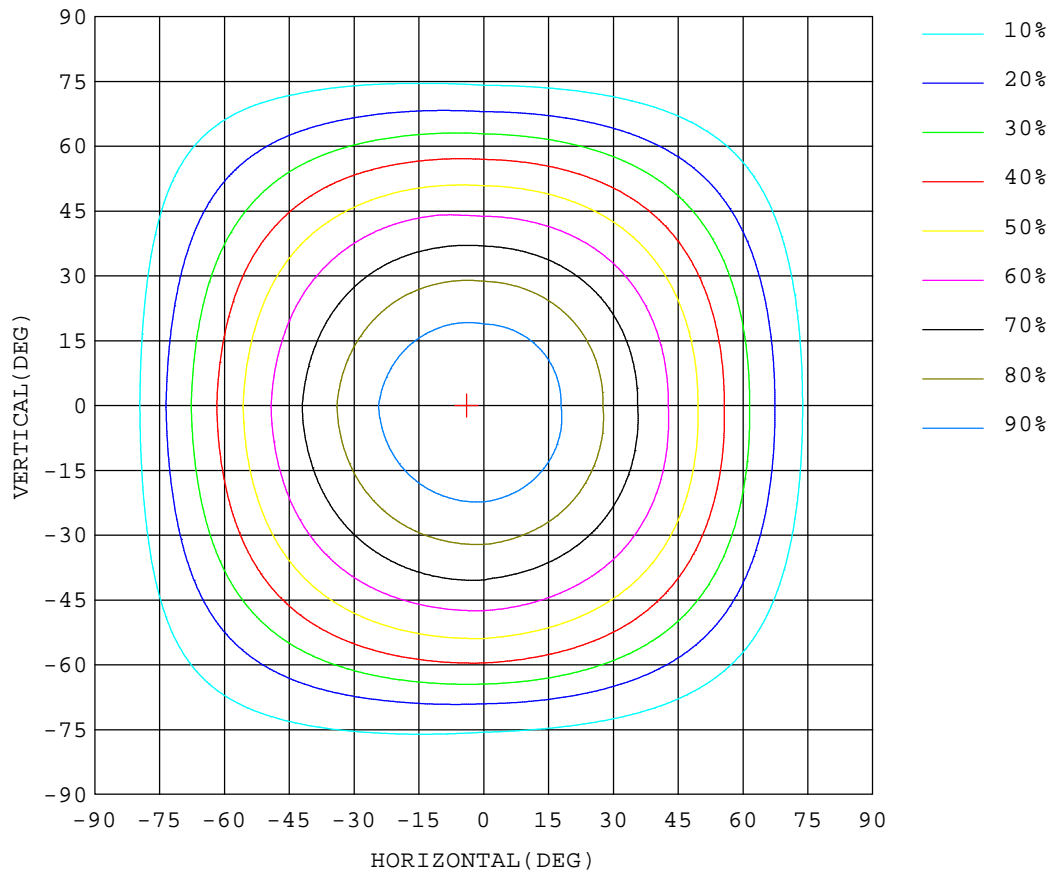
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

UNIT: cd



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

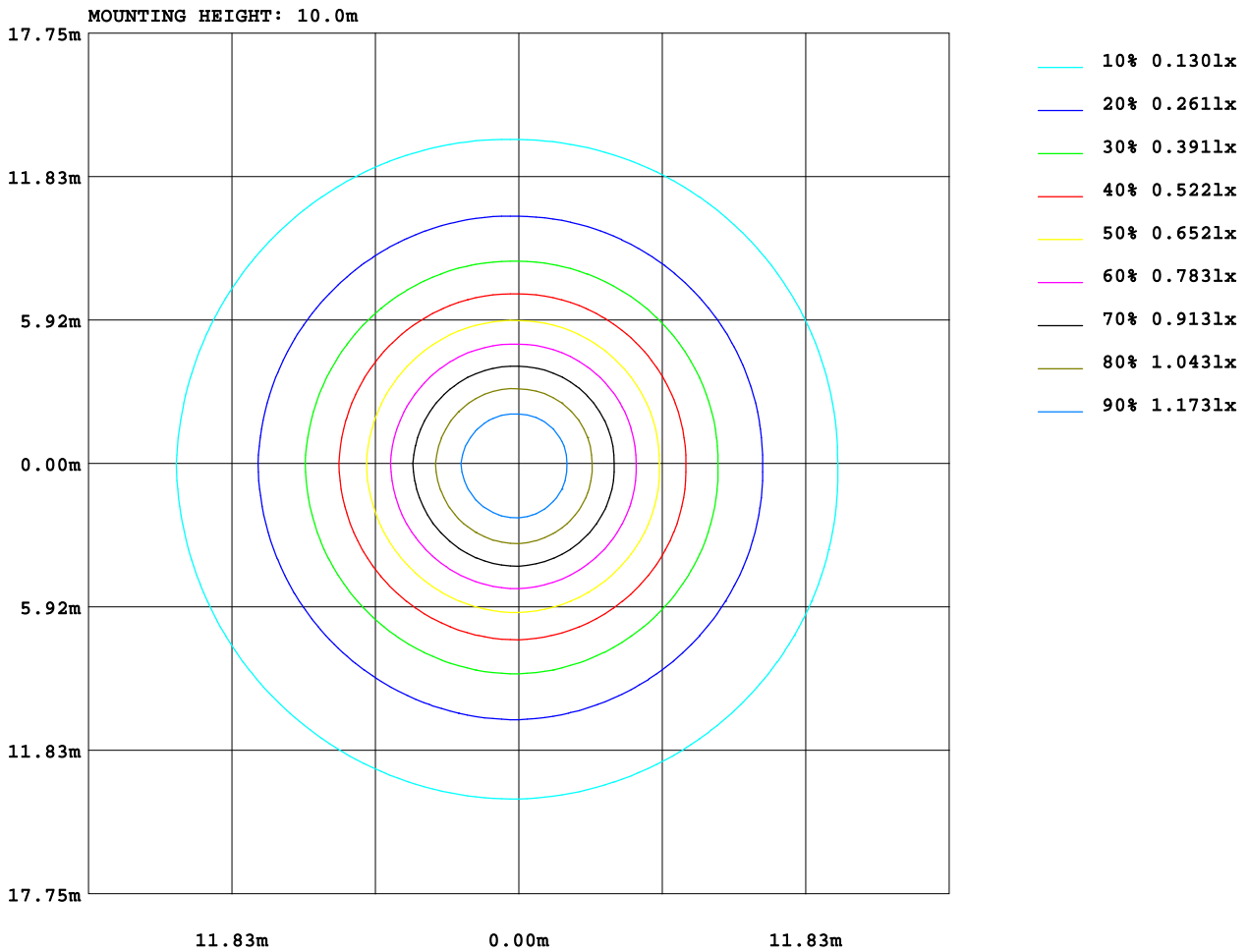
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	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: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a						
	0.01	0.02	0.04	0.05	0.07	0.08	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.06	0.05	0.04	0.02	0.01	1.12	1.12						
90	0.01	0.02	0.06	0.12	0.20	0.28	0.34	0.38	0.38	0.36	0.32	0.26	0.19	0.12	0.07	0.04	0.02	0.01	3.17	3.17						
80	0.01	0.04	0.14	0.30	0.48	0.68	0.86	0.98	1.03	1.00	0.91	0.75	0.54	0.34	0.17	0.06	0.02	0.01	8.32	8.32						
70	0.01	0.07	0.24	0.49	0.81	1.14	1.42	1.63	1.71	1.69	1.55	1.30	0.99	0.65	0.34	0.13	0.03	0.01	14.2	14.2						
60	0.01	0.10	0.34	0.69	1.11	1.55	1.93	2.20	2.32	2.30	2.12	1.81	1.39	0.94	0.52	0.20	0.04	0.01	19.6	19.6						
50	0.01	0.13	0.42	0.86	1.38	1.91	2.37	2.70	2.86	2.83	2.61	2.23	1.74	1.19	0.68	0.28	0.06	0.01	24.3	24.3						
40	0.01	0.16	0.50	1.00	1.59	2.19	2.73	3.13	3.32	3.29	3.03	2.58	2.00	1.39	0.81	0.34	0.08	0.01	28.2	28.2						
30	0.01	0.18	0.55	1.09	1.74	2.40	3.01	3.46	3.68	3.64	3.35	2.83	2.19	1.52	0.90	0.39	0.09	0.01	31.0	31.0						
20	0.02	0.19	0.58	1.15	1.83	2.53	3.17	3.66	3.89	3.84	3.52	2.96	2.29	1.59	0.94	0.41	0.10	0.01	32.7	32.7						
10	0.02	0.19	0.58	1.16	1.84	2.54	3.19	3.67	3.91	3.87	3.53	2.98	2.30	1.60	0.94	0.41	0.10	0.01	32.8	32.8						
0	0.01	0.18	0.55	1.11	1.77	2.44	3.05	3.52	3.76	3.72	3.40	2.88	2.23	1.55	0.91	0.39	0.09	0.01	31.6	31.6						
-10	0.01	0.16	0.50	1.01	1.63	2.25	2.80	3.23	3.45	3.41	3.13	2.65	2.06	1.43	0.83	0.35	0.08	0.01	29.0	29.0						
-20	0.01	0.13	0.43	0.88	1.42	1.98	2.47	2.83	3.02	2.99	2.74	2.33	1.81	1.24	0.70	0.29	0.06	0.01	25.3	25.3						
-30	0.01	0.10	0.34	0.71	1.16	1.63	2.04	2.35	2.51	2.48	2.27	1.92	1.47	0.99	0.54	0.21	0.05	0.01	20.8	20.8						
-40	0.01	0.07	0.25	0.51	0.85	1.21	1.53	1.77	1.90	1.87	1.70	1.41	1.05	0.68	0.35	0.14	0.03	0.01	15.3	15.3						
-50	0.01	0.04	0.15	0.31	0.51	0.72	0.92	1.07	1.14	1.11	1.00	0.81	0.58	0.36	0.19	0.07	0.02	0.01	9.04	9.04						
-60	0.01	0.02	0.06	0.13	0.23	0.32	0.40	0.44	0.45	0.43	0.39	0.31	0.23	0.14	0.08	0.04	0.02	0.01	3.71	3.71						
-70	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.11	0.11	0.10	0.09	0.07	0.06	0.04	0.03	0.02	0.01	1.09	1.09						
-80	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.11	0.11	0.10	0.09	0.07	0.06	0.04	0.03	0.02	0.01	1.09	1.09						
-90	0.01	0.02	0.03	0.05	0.06	0.08	0.10	0.11	0.11	0.11	0.10	0.09	0.07	0.06	0.04	0.03	0.02	0.01	1.09	1.09						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	0.19	1.81	5.75	11.6	18.7	25.9	32.4	37.3	39.6	39.1	35.8	30.2	23.2	15.8	9.06	3.82	0.93	0.13	332							
Φ a	0.19	1.81	5.75	11.6	18.7	25.9	32.4	37.3	39.6	39.1	35.8	30.2	23.2	15.8	9.06	3.82	0.93	0.13		332						

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:

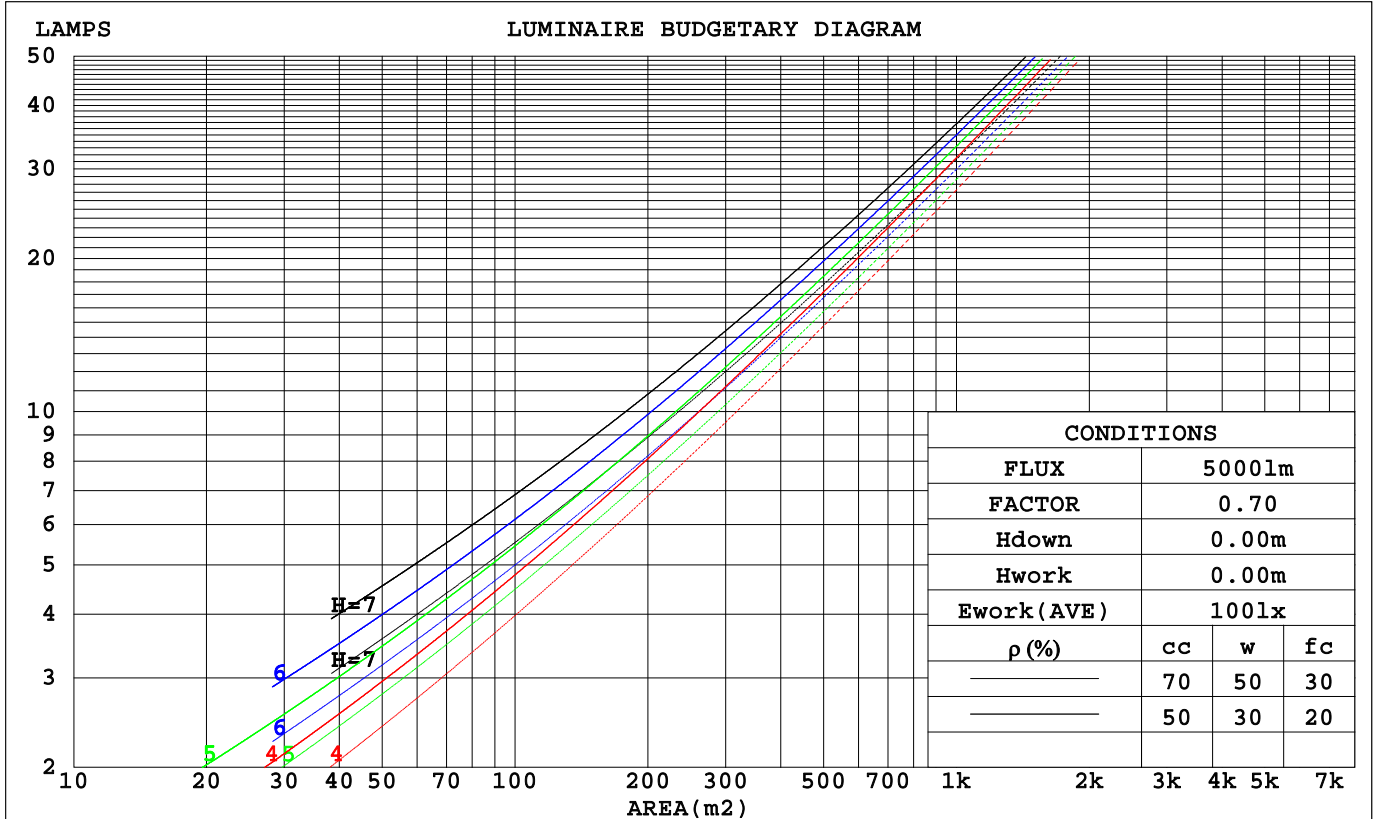
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

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	.00
1.0	1.05	1.01	.97	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.78	.84	.79	.76	.81	.77	.74	.72
3.0	.81	.74	.67	.80	.73	.67	.77	.71	.66	.74	.69	.64	.72	.67	.63	.61
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.49	.62	.54	.49	.60	.53	.48	.58	.52	.48	.46
6.0	.58	.50	.43	.58	.49	.43	.56	.48	.43	.54	.48	.43	.53	.47	.42	.40
7.0	.53	.45	.39	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.38	.36
8.0	.49	.40	.34	.48	.40	.34	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.36	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29
10.0	.41	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26



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: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

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	.287	.163	.052	.280	.160	.051	.267	.153	.049	.255	.147	.047	.244	.141	.046	
2.0	.275	.150	.046	.268	.148	.046	.257	.143	.044	.246	.138	.043	.236	.134	.042	
3.0	.257	.137	.041	.251	.135	.041	.241	.131	.040	.232	.127	.039	.223	.124	.038	
4.0	.239	.124	.037	.234	.123	.036	.225	.119	.036	.217	.116	.035	.209	.114	.035	
5.0	.222	.113	.033	.218	.112	.033	.210	.109	.032	.203	.107	.032	.196	.105	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.101	.029	.190	.099	.029	.183	.097	.029	
7.0	.194	.096	.027	.190	.095	.027	.184	.093	.027	.178	.091	.027	.172	.089	.026	
8.0	.181	.089	.025	.178	.088	.025	.173	.086	.025	.167	.085	.024	.162	.083	.024	
9.0	.170	.082	.023	.168	.082	.023	.162	.080	.023	.158	.079	.023	.153	.078	.022	
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.145	.073	.021	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.087	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.095	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.147	.090	.048	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.133	.075	.034	.115	.065	.030	.079	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.127	.069	.029	.109	.060	.026	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.121	.064	.026	.104	.056	.022	.072	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.040	.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: GALSS ROUND					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION:			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	12.4	13.9	12.7	14.1	14.3	13.0	14.5	13.3	14.7	14.9
3H	13.3	14.7	13.6	14.9	15.2	14.0	15.4	14.3	15.6	15.9
4H	13.5	14.8	13.9	15.1	15.3	14.3	15.6	14.6	15.8	16.1
6H	13.6	14.8	13.9	15.0	15.3	14.4	15.6	14.7	15.9	16.2
8H	13.5	14.7	13.9	15.0	15.3	14.4	15.6	14.8	15.9	16.2
12H	13.5	14.6	13.9	14.9	15.2	14.4	15.6	14.8	15.8	16.1
4H 2H	12.9	14.2	13.3	14.5	14.7	13.4	14.7	13.8	15.0	15.2
3H	14.0	15.1	14.3	15.4	15.7	14.6	15.7	14.9	16.0	16.3
4H	14.3	15.3	14.6	15.6	15.9	14.9	15.9	15.3	16.2	16.5
6H	14.3	15.2	14.7	15.6	16.0	15.1	16.0	15.5	16.3	16.7
8H	14.3	15.2	14.8	15.5	15.9	15.1	16.0	15.5	16.3	16.7
12H	14.3	15.1	14.8	15.5	15.9	15.2	15.9	15.6	16.3	16.7
8H 4H	14.3	15.2	14.8	15.6	15.9	14.9	15.8	15.3	16.1	16.5
6H	14.5	15.2	14.9	15.6	16.0	15.2	15.9	15.7	16.3	16.7
8H	14.5	15.1	15.0	15.6	16.0	15.3	15.9	15.8	16.3	16.8
12H	14.6	15.1	15.0	15.5	16.0	15.4	15.9	15.9	16.4	16.8
12H 4H	14.3	15.1	14.8	15.5	15.9	14.9	15.7	15.3	16.1	16.5
6H	14.5	15.1	15.0	15.5	16.0	15.2	15.8	15.7	16.2	16.7
8H	14.5	15.1	15.0	15.5	16.0	15.3	15.8	15.8	16.3	16.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.4				
2.0H	+ 0.4 / - 0.6					+ 0.5 / - 0.6				

CIE Pub.117 Corrected 331.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.8)

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: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	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	59	48	41	59	48	41	57	47	41	35
0.80	70	58	51	69	58	51	67	57	51	44
1.00	78	68	61	77	67	60	75	68	60	53
1.25	85	75	68	84	75	68	81	73	67	60
1.50	90	81	74	88	80	74	86	78	73	65
2.00	97	89	83	95	88	82	92	85	80	73
2.50	100	93	87	98	92	87	95	89	85	77
3.00	104	97	92	101	96	91	97	93	89	81
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	103	100	97	88
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

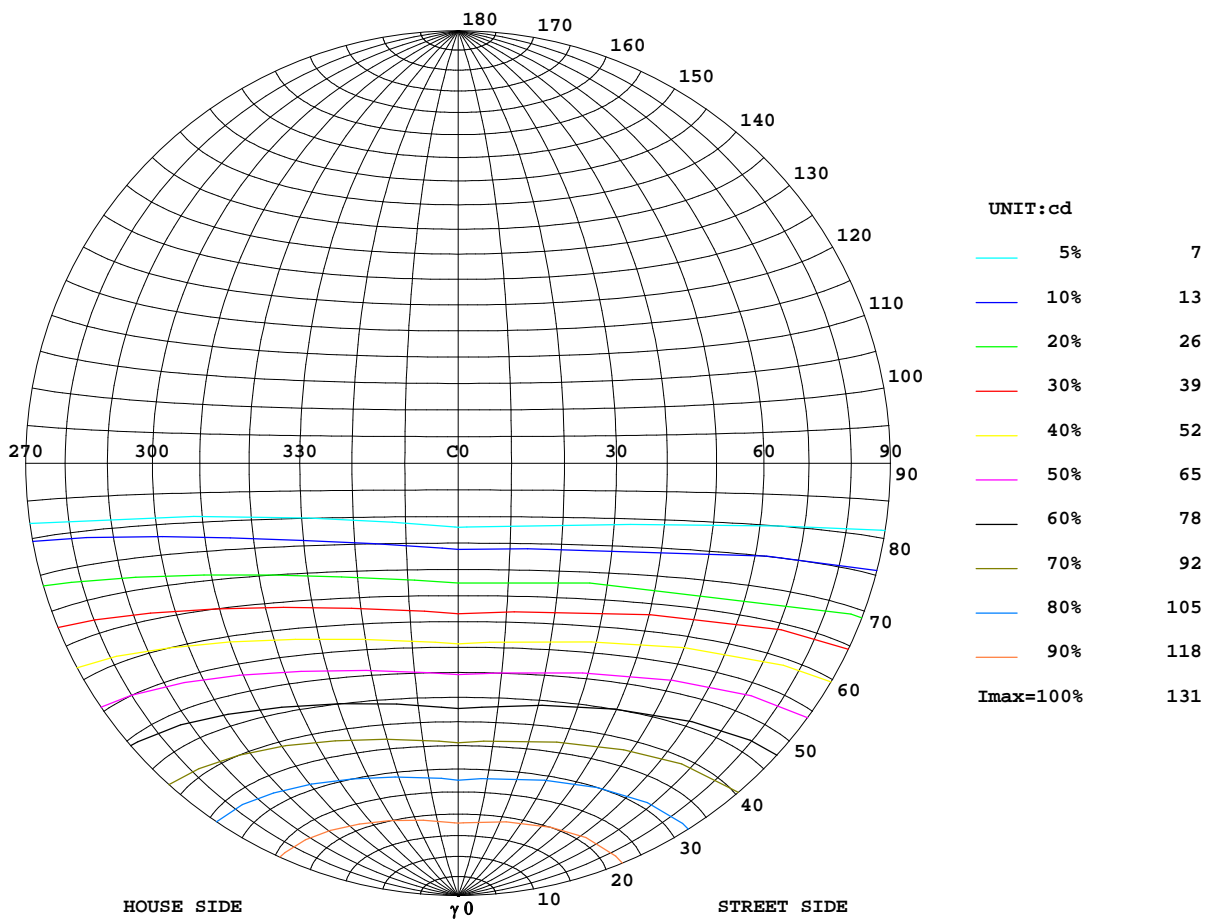
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	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:

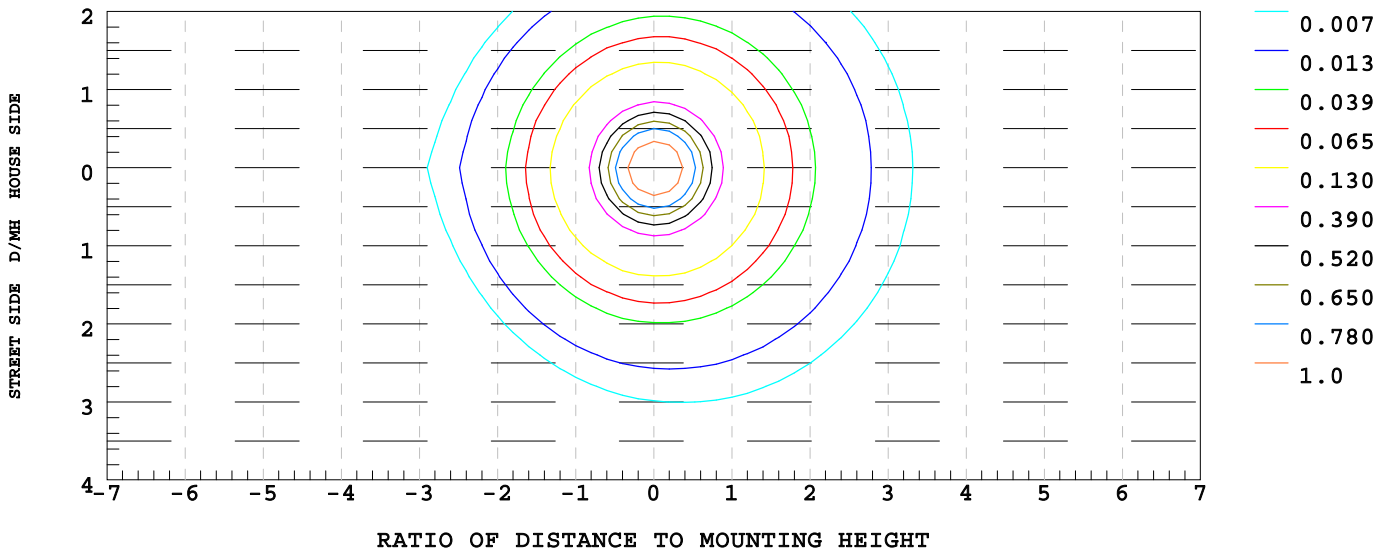
HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

ILLUMINANCE AT MH=10 m, Enadir = 1.30 lx



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

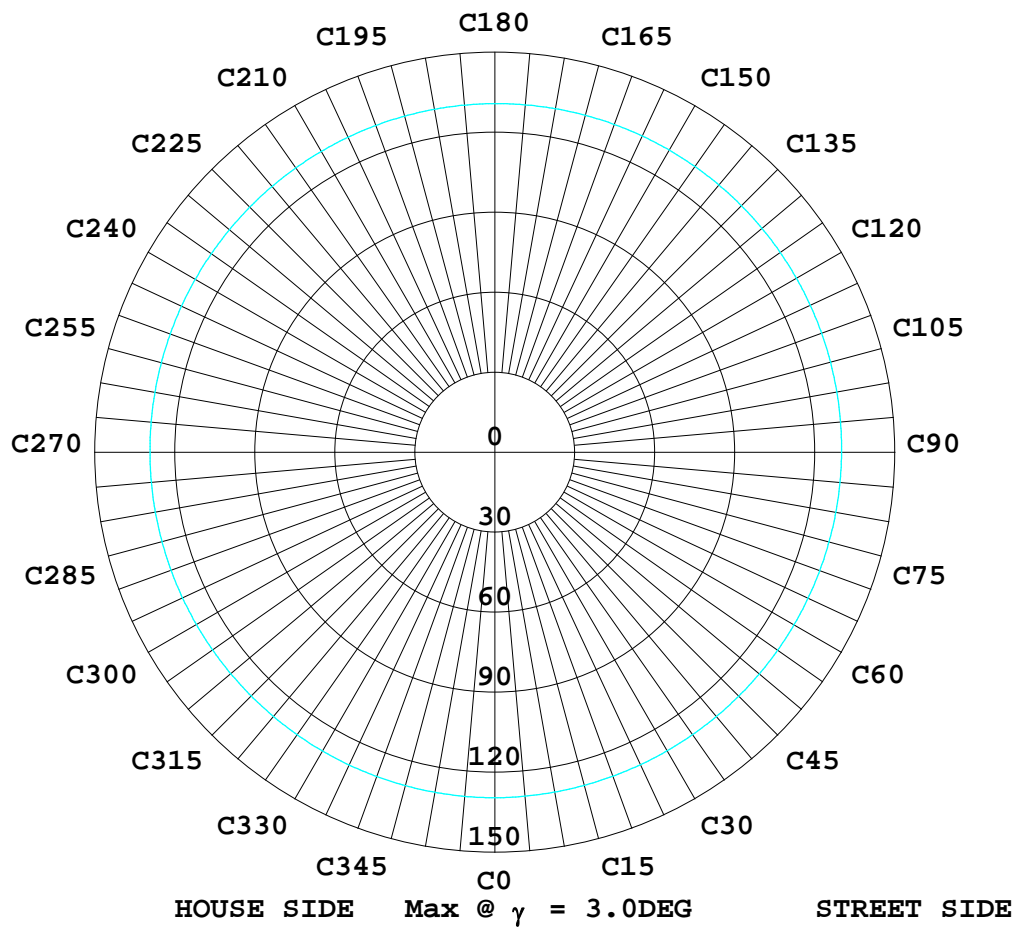
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.150 m
 Remarks:

HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	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: GALSS ROUND	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.: LA/YE6L-990706

UNIT: cd

γ (DEG)	C (DEG)			
	0	90	180	270
0.0	130	130	130	130
5.0	129	130	131	129
10.0	125	128	129	126
15.0	121	125	126	122
20.0	115	120	122	116
25.0	108	114	117	110
30.0	101	108	110	103
35.0	92.5	100	103	94.6
40.0	83.5	91.8	94.8	85.8
45.0	74.6	83.3	86.3	76.8
50.0	64.3	73.4	76.9	67.1
55.0	53.6	63.0	66.8	56.4
60.0	42.6	51.3	56.0	45.3
65.0	31.4	37.7	45.2	33.8
70.0	20.6	23.4	34.0	21.1
75.0	10.9	14.0	22.7	11.1
80.0	4.00	7.53	11.9	5.30
85.0	2.28	3.23	3.52	2.91
90.0	2.49	1.67	2.57	3.47

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: