

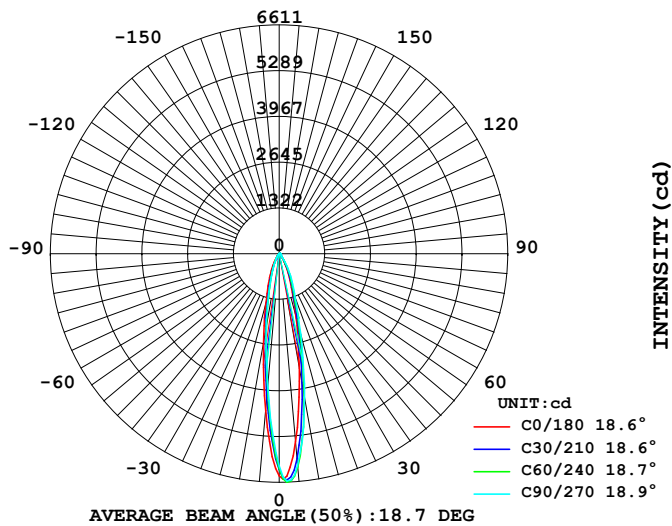
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

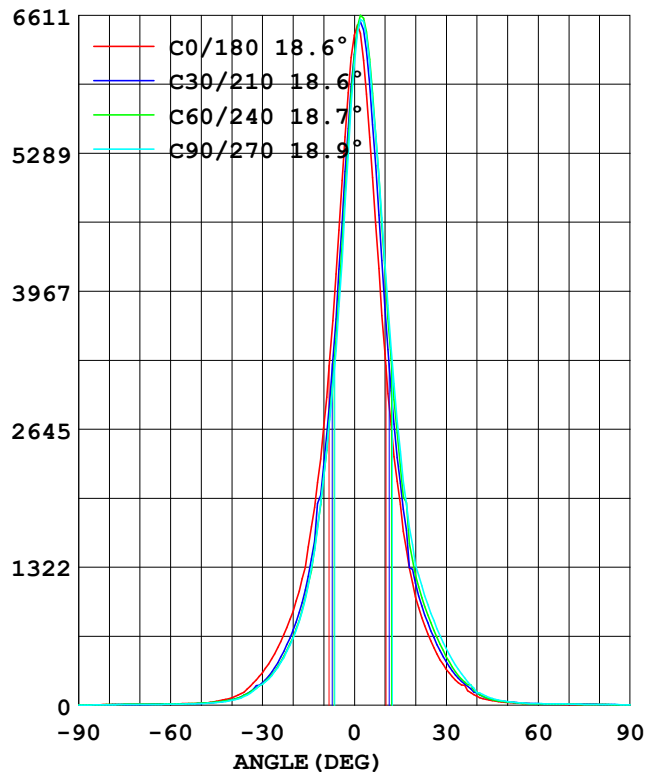
MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax(cd)	6611	S/MH (C0/180)	0.28
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.24
NOMINAL POWER(W)	16	TOTAL FLUX(lm)	1374.5	Voltage (V)	231.0
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	84.8	Current (A)	0.124
NOMINAL FLUX(lm)	1374.5	$\eta$ up (%)	0.3	Power (W)	16.20
LAMPS QUANTITY	1	$\eta$ down (%)	99.7	Power Factor (PF)	0.561
TEST VOLTAGE (V)	231.0	Effective Flux(lm)	1038.9	EEL	0.204

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity: 65.0%  
Test Distance: 7.800 m  
Remarks:

## Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :

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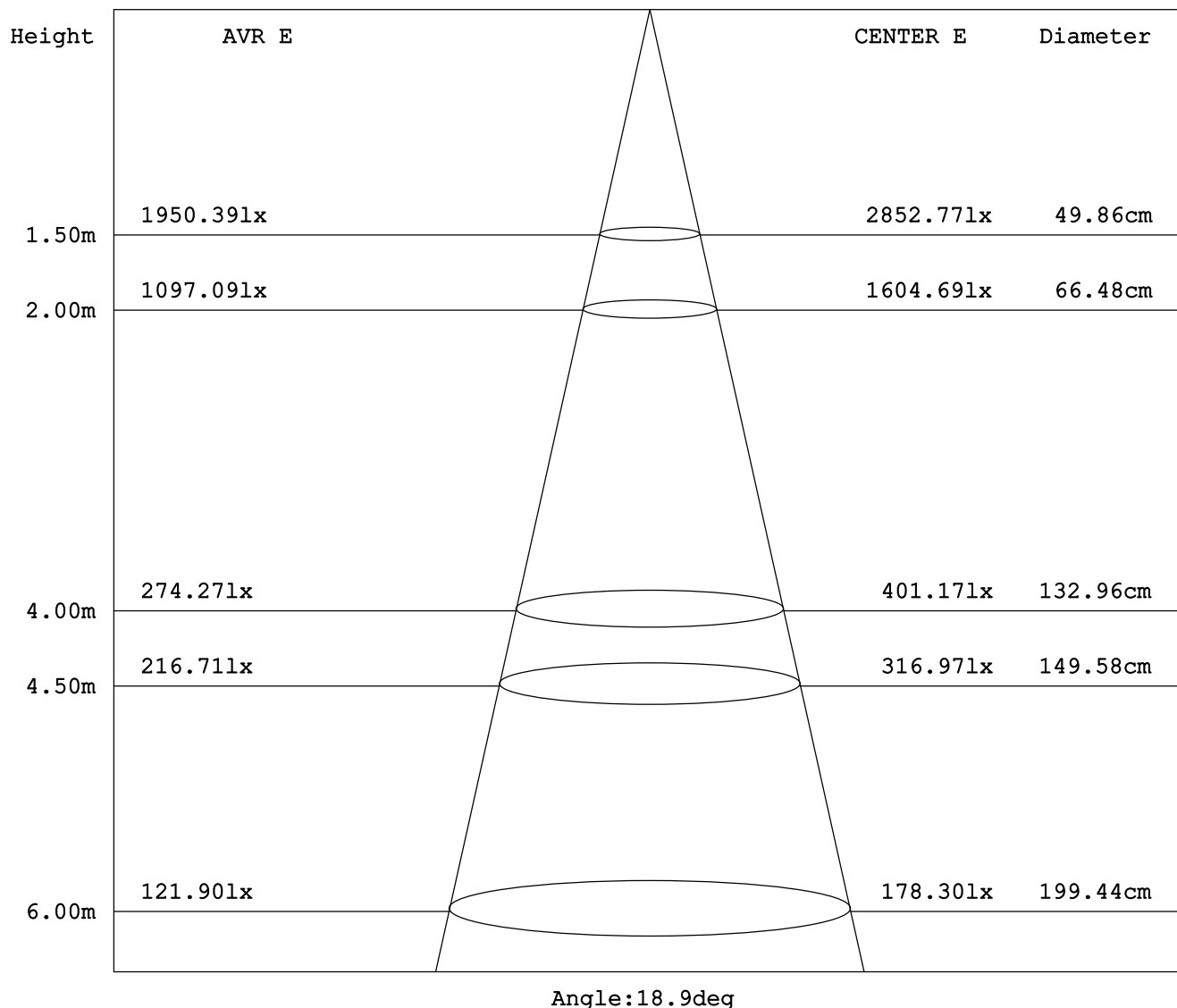
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

## HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	Zone	total
5.0	4554	4047	3823	4205	5442	6068	6146	5587	0- 5	133.0	133.0
10.0	2657	2233	2171	2404	3366	3981	4219	3704	5- 10	280.5	413.5
15.0	1518	1197	1145	1290	1925	2207	2432	2092	10- 15	273.0	686.5
20.0	899.7	686.9	645.9	720.3	1039	1209	1344	1242	15- 20	211.5	898.1
25.0	552.3	389.1	360.9	417.5	617.7	752.0	880.3	797.4	20- 25	159.8	1058
30.0	311.5	210.2	201.2	239.7	344.9	441.4	545.1	483.0	25- 30	115.9	1174
35.0	154.9	111.5	97.95	117.1	193.7	239.4	301.3	250.0	30- 35	76.20	1250
40.0	73.55	53.44	46.54	57.00	87.18	121.1	121.6	112.7	35- 40	42.73	1293
45.0	38.81	30.63	26.03	33.15	44.65	55.57	65.82	52.10	40- 45	22.56	1315
50.0	19.22	18.92	16.85	21.20	27.19	32.03	36.50	28.56	45- 50	13.29	1329
55.0	16.12	14.05	12.71	15.27	17.64	19.71	21.65	17.06	50- 55	8.863	1338
60.0	13.44	12.10	9.795	12.53	13.26	14.66	16.00	13.68	55- 60	6.795	1344
65.0	10.34	10.52	8.091	10.85	10.95	12.13	13.74	11.95	60- 65	5.904	1350
70.0	9.795	9.612	7.239	9.551	8.030	10.58	11.80	10.67	65- 70	5.282	1356
75.0	9.612	8.760	7.057	8.821	7.787	9.643	9.126	10.00	70- 75	4.911	1360
80.0	7.300	6.327	5.110	6.814	7.179	8.578	8.882	8.426	75- 80	4.445	1365
85.0	5.110	4.076	3.467	4.502	4.988	6.053	6.753	5.445	80- 85	3.384	1368
90.0	4.015	3.346	2.920	3.346	3.467	3.893	4.684	3.589	85- 90	2.298	1371
95.0	3.772	3.285	2.798	3.254	3.346	3.285	3.893	3.285	90- 95	1.875	1372
100.0	3.772	3.285	3.102	3.194	3.589	3.376	3.772	3.315	95-100	1.819	1374
105.0	0	0	0	0	0	0	0	0	100-105	0.182	1374
110.0	0	0	0	0	0	0	0	0	105-110	0	1374
115.0	0	0	0	0	0	0	0	0	110-115	0	1374
120.0	0	0	0	0	0	0	0	0	115-120	0	1374
125.0	0	0	0	0	0	0	0	0	120-125	0	1374
130.0	0	0	0	0	0	0	0	0	125-130	0	1374
135.0	0	0	0	0	0	0	0	0	130-135	0	1374
140.0	0	0	0	0	0	0	0	0	135-140	0	1374
145.0	0	0	0	0	0	0	0	0	140-145	0	1374
150.0	0	0	0	0	0	0	0	0	145-150	0	1374
155.0	0	0	0	0	0	0	0	0	150-155	0	1374
160.0	0	0	0	0	0	0	0	0	155-160	0	1374
165.0	0	0	0	0	0	0	0	0	160-165	0	1374
170.0	0	0	0	0	0	0	0	0	165-170	0	1374
175.0	0	0	0	0	0	0	0	0	170-175	0	1374
180.0	0	0	0	0	0	0	0	0	175-180	0	1374
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

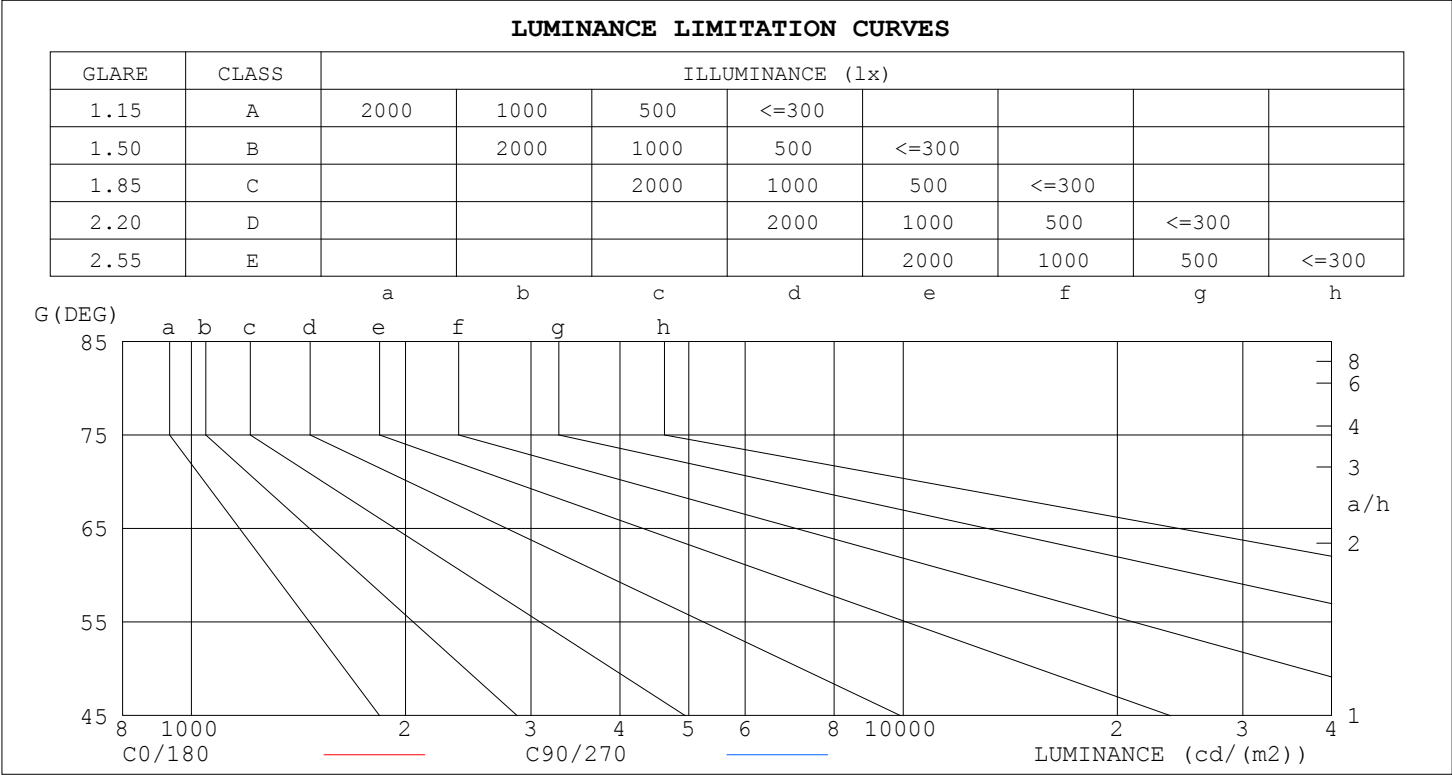
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	107	72
80	76	54
75	68	50
70	52	38
65	44	35
60	49	36
55	51	40
50	54	48
45	100	67

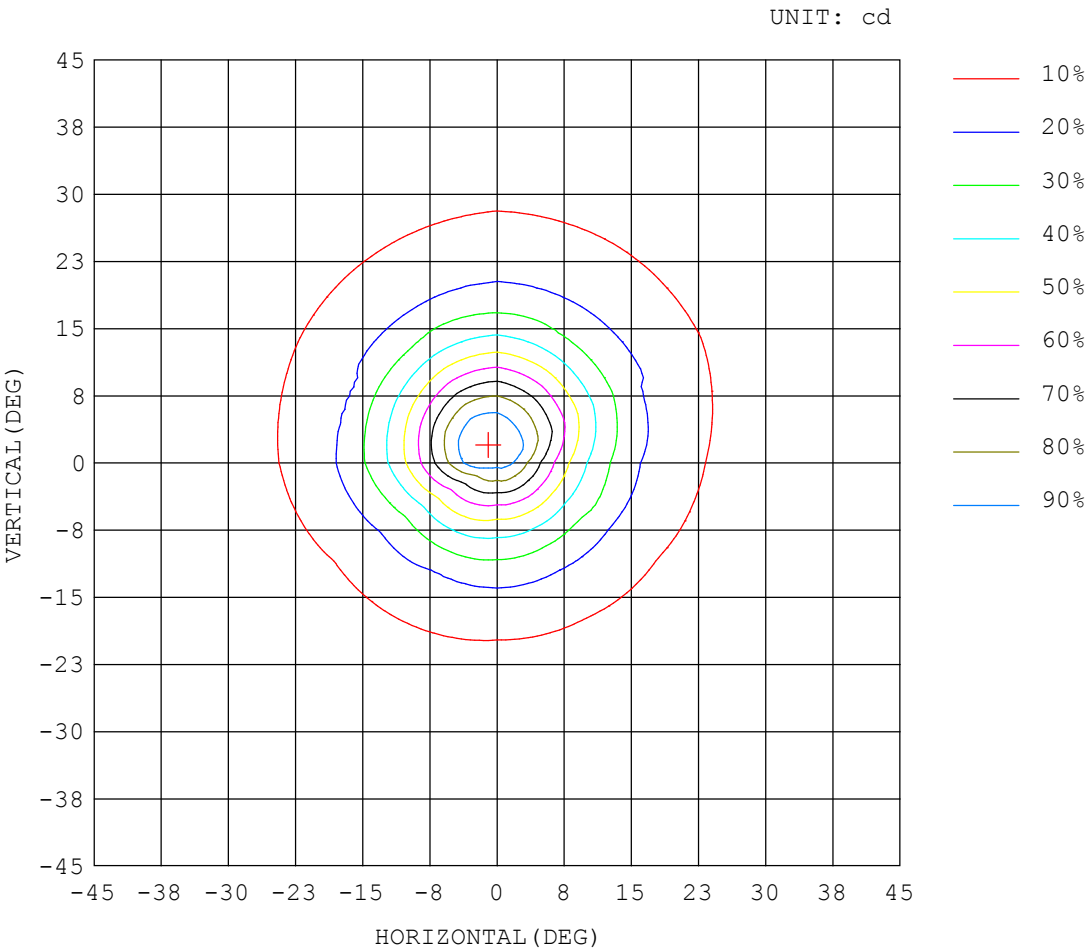
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :



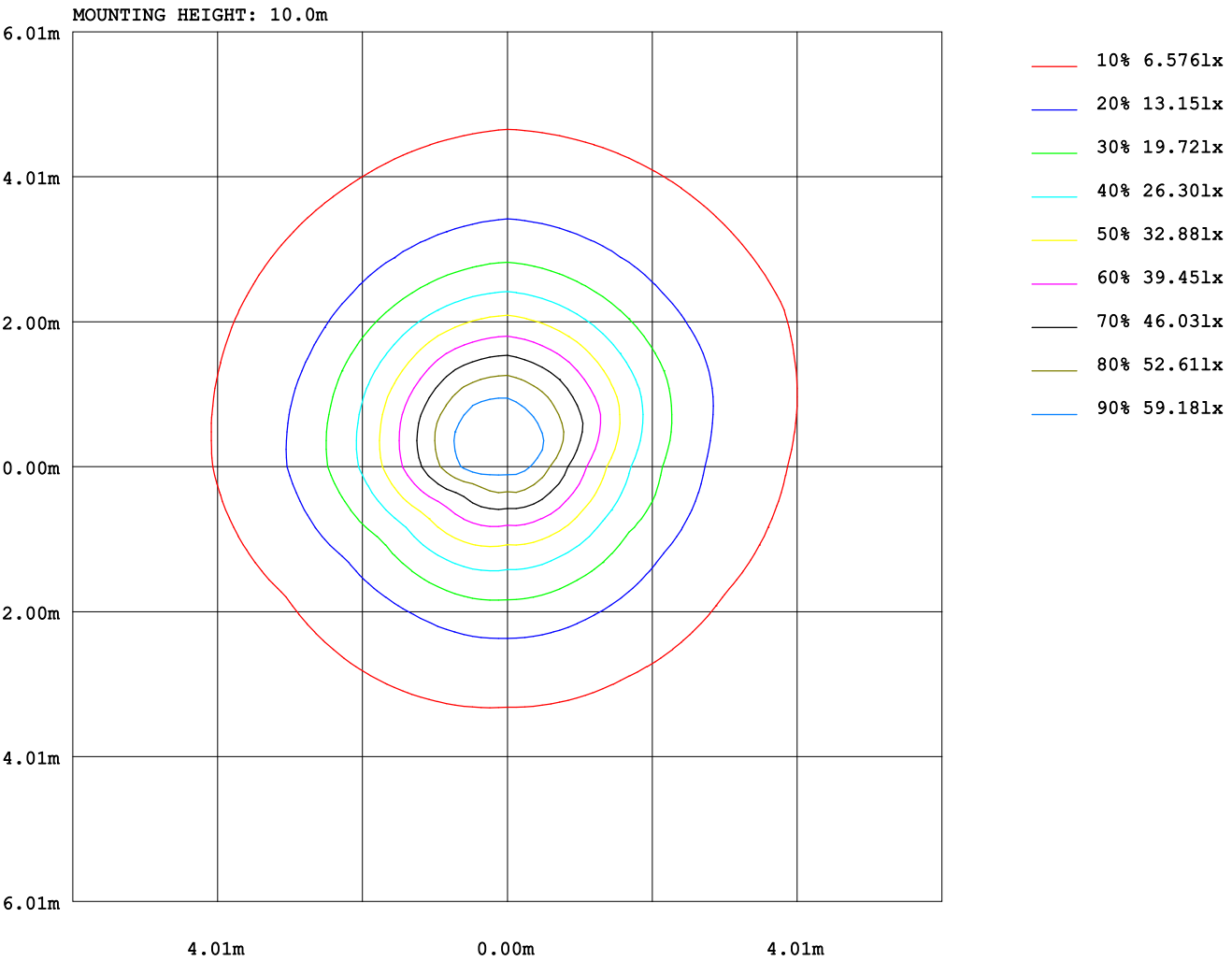
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

## HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.10	0.13	0.18	0.23	0.30	0.40	0.52	0.63	0.71	0.71	0.63	0.51	0.39	0.29	0.21	0.16	0.11	0.09	6.30	0.00		
45																						
40																						
35	0.13	0.18	0.26	0.37	0.54	0.80	1.11	1.37	1.55	1.54	1.34	1.06	0.77	0.52	0.35	0.23	0.16	0.11	12.4	0.00		
30	0.16	0.25	0.38	0.64	1.06	1.56	2.09	2.63	3.03	3.07	2.73	2.19	1.56	1.00	0.60	0.36	0.22	0.14	23.7	0.00		
25	0.20	0.34	0.60	1.09	1.73	2.57	3.57	4.51	5.17	5.23	4.68	3.83	2.82	1.82	1.03	0.56	0.31	0.18	40.3	10.1		
20	0.24	0.45	0.90	1.60	2.63	4.02	5.57	7.03	8.09	8.16	7.23	5.86	4.33	2.89	1.67	0.85	0.42	0.21	62.2	42.3		
15	0.29	0.58	1.21	2.18	3.69	5.69	8.07	11.0	13.3	13.3	11.1	8.37	6.02	3.99	2.37	1.16	0.54	0.26	93.3	77.3		
	0.33	0.71	1.48	2.71	4.70	7.49	11.9	18.4	23.6	23.3	17.7	11.8	7.80	4.97	2.86	1.43	0.64	0.29	142	128		
	0.35	0.81	1.65	3.09	5.45	9.20	16.7	28.0	38.1	36.7	26.1	15.5	8.94	5.43	3.09	1.58	0.68	0.31	202	189		
	0.35	0.85	1.70	3.21	5.75	10.3	19.2	33.8	47.3	44.4	29.3	16.2	8.94	5.31	3.01	1.55	0.67	0.31	233	219		
	0.33	0.79	1.59	2.97	5.27	9.29	16.4	27.0	36.6	35.2	23.4	13.8	7.87	4.73	2.69	1.40	0.62	0.29	191	177		
	0.30	0.66	1.36	2.44	4.18	6.74	10.8	16.9	21.9	21.1	15.8	9.99	6.20	3.84	2.21	1.18	0.54	0.26	127	111		
-15	0.25	0.49	1.05	1.85	2.99	4.67	7.08	9.89	12.0	11.8	9.42	6.68	4.46	2.78	1.65	0.90	0.43	0.22	78.7	60.7		
-20	0.20	0.36	0.70	1.32	2.11	3.22	4.54	5.81	6.54	6.43	5.54	4.30	3.02	1.90	1.17	0.62	0.33	0.18	48.3	24.3		
-25	0.16	0.26	0.44	0.85	1.46	2.10	2.81	3.42	3.73	3.68	3.28	2.60	1.89	1.29	0.78	0.41	0.24	0.14	29.6	0.00		
-30	0.13	0.19	0.31	0.51	0.85	1.30	1.70	1.97	2.09	2.05	1.86	1.54	1.18	0.80	0.48	0.29	0.17	0.11	17.5	0.00		
-35	0.10	0.15	0.22	0.33	0.48	0.68	0.89	1.07	1.14	1.12	1.03	0.86	0.65	0.45	0.30	0.20	0.13	0.09	9.91	0.00		
-40	0.09	0.12	0.16	0.22	0.30	0.38	0.45	0.50	0.52	0.52	0.49	0.43	0.36	0.28	0.21	0.15	0.10	0.08	5.33	0.00		
-45	0.08	0.10	0.12	0.16	0.20	0.23	0.26	0.27	0.27	0.27	0.27	0.25	0.22	0.19	0.14	0.11	0.09	0.07	3.29	0.00		
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL (DEG)						10	15	20	25	30	35	40	45
Φ t	3.79	7.42	14.3	25.8	43.7	70.7	114	174	226	219	162	106	67.4	42.5	24.8	13.1	6.39	3.34	1374			
Φ a	0.00	0.00	0.00	0.00	17.8	51.0	96.8	158	211	204	146	89.0	48.3	16.1	0.00	0.00	0.00	0.00				1039

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:7.800 m  
 Remarks:

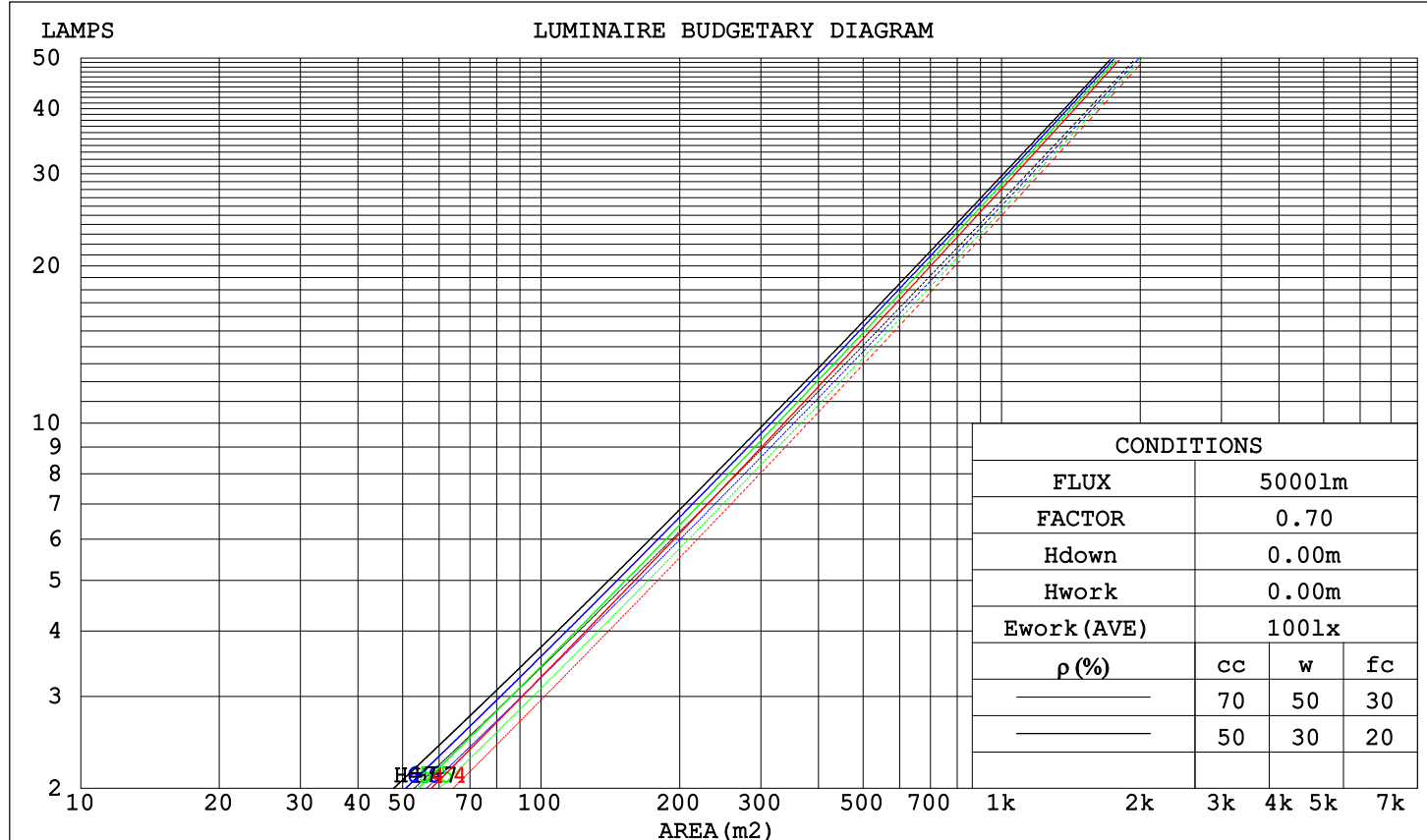


## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME:								TYPE:				WEIGHT:			
SPECIFICATION:				CCT (K) : 0				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	1.19	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	1.12	1.09	1.07	1.09	1.08	1.06	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95
2.0	1.05	1.02	.99	1.04	1.01	.98	1.00	.98	.96	.98	.95	.94	.95	.93	.92	.90
3.0	.00	.96	.92	.99	.95	.92	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.91	.87	.94	.90	.87	.92	.88	.86	.90	.87	.85	.88	.86	.84	.82
5.0	.91	.86	.83	.90	.86	.82	.88	.84	.82	.87	.83	.81	.85	.82	.80	.79
6.0	.87	.82	.79	.86	.82	.79	.85	.81	.78	.84	.80	.78	.82	.79	.77	.76
7.0	.84	.79	.75	.83	.79	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.73
8.0	.81	.76	.73	.80	.76	.72	.79	.75	.72	.78	.74	.72	.77	.74	.71	.70
9.0	.78	.73	.70	.77	.73	.70	.76	.72	.70	.76	.72	.69	.75	.71	.69	.68
10.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.70	.67	.73	.69	.67	.66



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:7.800 m  
 Remarks:

# HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

Report number:

MANUFACTURER:															
Address:															
NAME:								TYPE:				WEIGHT:			
SPECIFICATION:				CCT (K) : 0				DIMENSION:				SERIAL No.:			

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.159	.090	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.117	.068	.022	
2.0	.148	.081	.025	.142	.078	.024	.131	.073	.023	.122	.068	.021	.113	.064	.020	
3.0	.138	.073	.022	.133	.071	.021	.124	.067	.020	.116	.063	.019	.108	.060	.019	
4.0	.129	.067	.020	.125	.065	.019	.117	.062	.019	.110	.059	.018	.104	.056	.017	
5.0	.121	.062	.018	.118	.061	.018	.111	.058	.017	.105	.056	.017	.100	.053	.016	
6.0	.115	.057	.016	.112	.056	.016	.106	.054	.016	.101	.052	.015	.096	.050	.015	
7.0	.109	.054	.015	.106	.053	.015	.101	.051	.015	.097	.050	.014	.092	.048	.014	
8.0	.103	.051	.014	.101	.050	.014	.097	.048	.014	.093	.047	.014	.089	.046	.013	
9.0	.099	.048	.013	.097	.047	.013	.093	.046	.013	.089	.045	.013	.086	.044	.013	
10.0	.094	.045	.013	.093	.045	.012	.089	.044	.012	.086	.043	.012	.083	.042	.012	

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	.193	.193	.193	.165	.165	.165	.112	.112	.112	.065	.065	.065	.021	.021	.021	
1.0	.172	.160	.148	.147	.137	.128	.101	.094	.088	.058	.055	.051	.019	.018	.017	
2.0	.155	.135	.118	.133	.116	.102	.091	.080	.071	.053	.047	.042	.017	.015	.014	
3.0	.141	.116	.095	.121	.100	.083	.083	.069	.058	.048	.040	.034	.015	.013	.011	
4.0	.129	.101	.078	.111	.087	.068	.076	.061	.048	.044	.035	.028	.014	.012	.009	
5.0	.119	.088	.066	.103	.077	.057	.071	.053	.040	.041	.031	.024	.013	.010	.008	
6.0	.111	.079	.056	.095	.068	.048	.066	.048	.034	.038	.028	.020	.012	.009	.007	
7.0	.104	.071	.048	.089	.061	.042	.062	.043	.029	.036	.025	.018	.012	.008	.006	
8.0	.097	.064	.041	.084	.056	.036	.058	.039	.026	.034	.023	.015	.011	.008	.005	
9.0	.092	.059	.036	.079	.051	.032	.055	.036	.022	.032	.021	.013	.010	.007	.004	
10.0	.087	.054	.032	.075	.047	.028	.052	.033	.020	.030	.020	.012	.010	.006	.004	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:7.800 m  
 Remarks:

## HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME:					TYPE:			WEIGHT:			
SPECIFICATION:		CCT (K) : 0			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	-3.5	-2.7	-3.3	-2.6	-2.4	-4.5	-3.8	-4.3	-3.6	-3.5
	3H	-2.8	-2.1	-2.6	-1.9	-1.7	-3.8	-3.1	-3.6	-2.9	-2.7
	4H	-2.2	-1.5	-1.9	-1.3	-1.1	-3.2	-2.5	-2.9	-2.3	-2.1
	6H	-1.4	-0.8	-1.1	-0.5	-0.3	-2.6	-1.9	-2.3	-1.7	-1.4
	8H	-1.1	-0.4	-0.8	-0.2	0.1	-2.3	-1.7	-2.0	-1.4	-1.2
	12H	-0.7	-0.1	-0.4	0.2	0.4	-2.0	-1.4	-1.7	-1.1	-0.9
4H	2H	-3.4	-2.7	-3.1	-2.5	-2.3	-4.3	-3.7	-4.1	-3.4	-3.2
	3H	-2.5	-1.9	-2.1	-1.6	-1.3	-3.1	-2.6	-2.8	-2.3	-2.0
	4H	-1.6	-1.1	-1.3	-0.8	-0.5	-2.2	-1.7	-1.9	-1.4	-1.1
	6H	-0.6	-0.2	-0.3	0.2	0.5	-1.4	-0.9	-1.0	-0.6	-0.2
	8H	-0.2	0.3	0.2	0.6	1.0	-1.0	-0.6	-0.6	-0.2	0.2
	12H	0.3	0.7	0.7	1.1	1.5	-0.6	-0.2	-0.2	0.2	0.5
8H	4H	-1.3	-0.8	-0.9	-0.5	-0.1	-1.8	-1.4	-1.4	-1.0	-0.6
	6H	-0.2	0.2	0.2	0.6	1.0	-0.7	-0.3	-0.2	0.1	0.5
	8H	0.4	0.7	0.8	1.1	1.6	-0.1	0.2	0.3	0.6	1.1
	12H	1.0	1.3	1.5	1.7	2.2	0.4	0.7	0.9	1.1	1.6
12H	4H	-1.2	-0.8	-0.8	-0.4	-0.1	-1.8	-1.4	-1.4	-1.0	-0.6
	6H	-0.1	0.3	0.4	0.7	1.1	-0.5	-0.2	-0.1	0.2	0.6
	8H	0.5	0.8	1.0	1.3	1.7	0.1	0.4	0.5	0.8	1.3
Variations with the observer position at spacings:											
S = 1.0H	+ 1.0 / - 0.6					+ 0.4 / - 0.5					
1.5H	+ 2.0 / - 0.5					+ 0.7 / - 0.5					
2.0H	+ 0.8 / - 0.3					+ 0.3 / - 0.4					

CIE Pub.117 Corrected 1374 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.1)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:7.800 m  
 Remarks:

## UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:										
Address:										
NAME:					TYPE:			WEIGHT:		
SPECIFICATION:		CCT (K) : 0			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) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	82	78	87	81	78	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25		

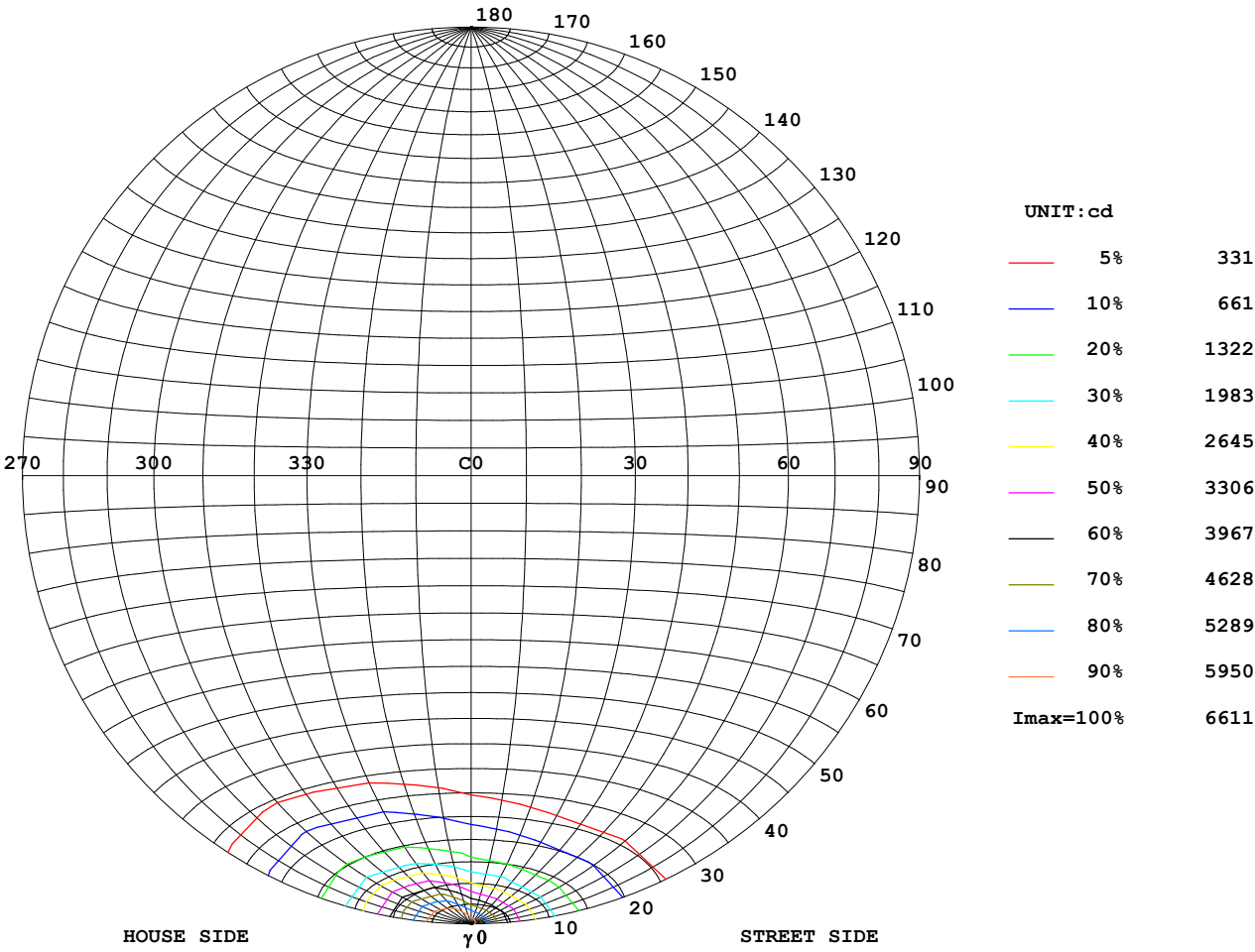
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:7.800 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

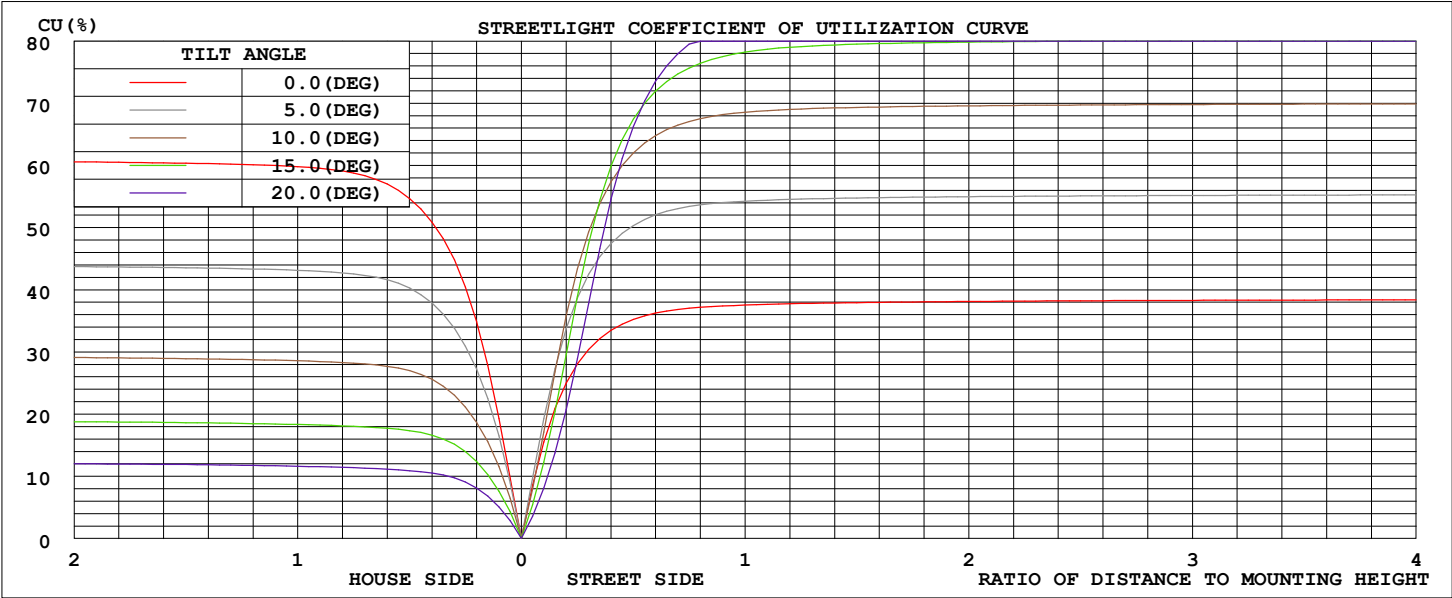
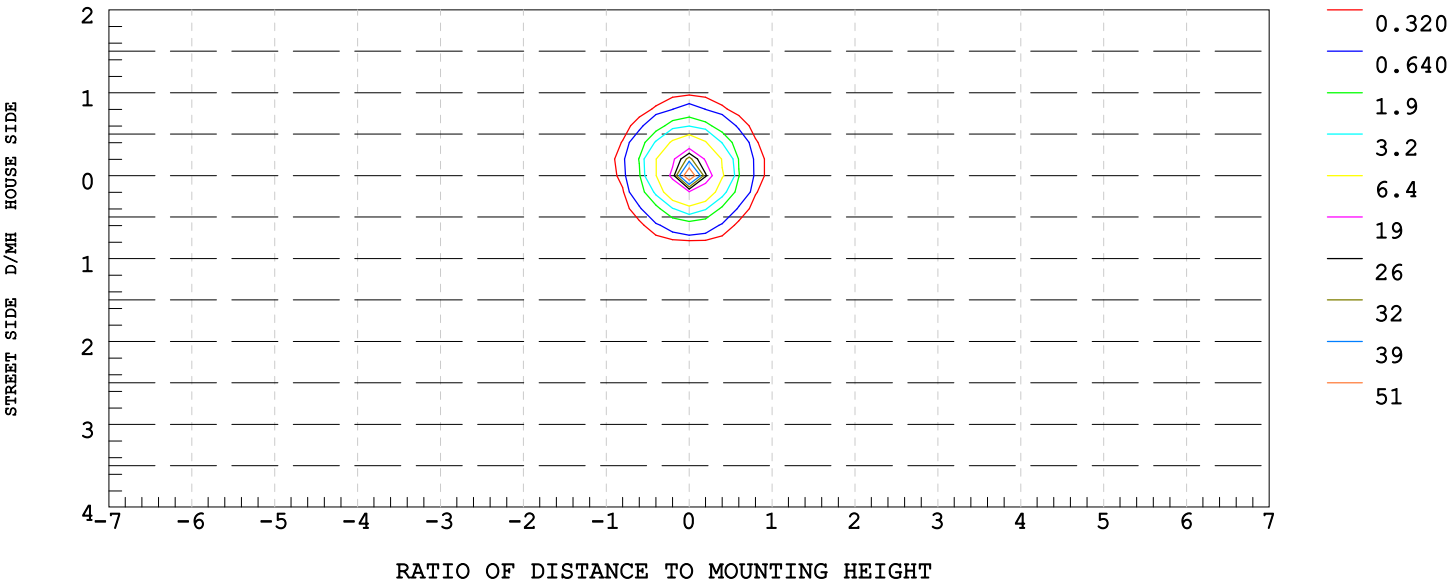
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :

ILLUMINANCE AT MH=10 m,Enadir = 64.19 lx



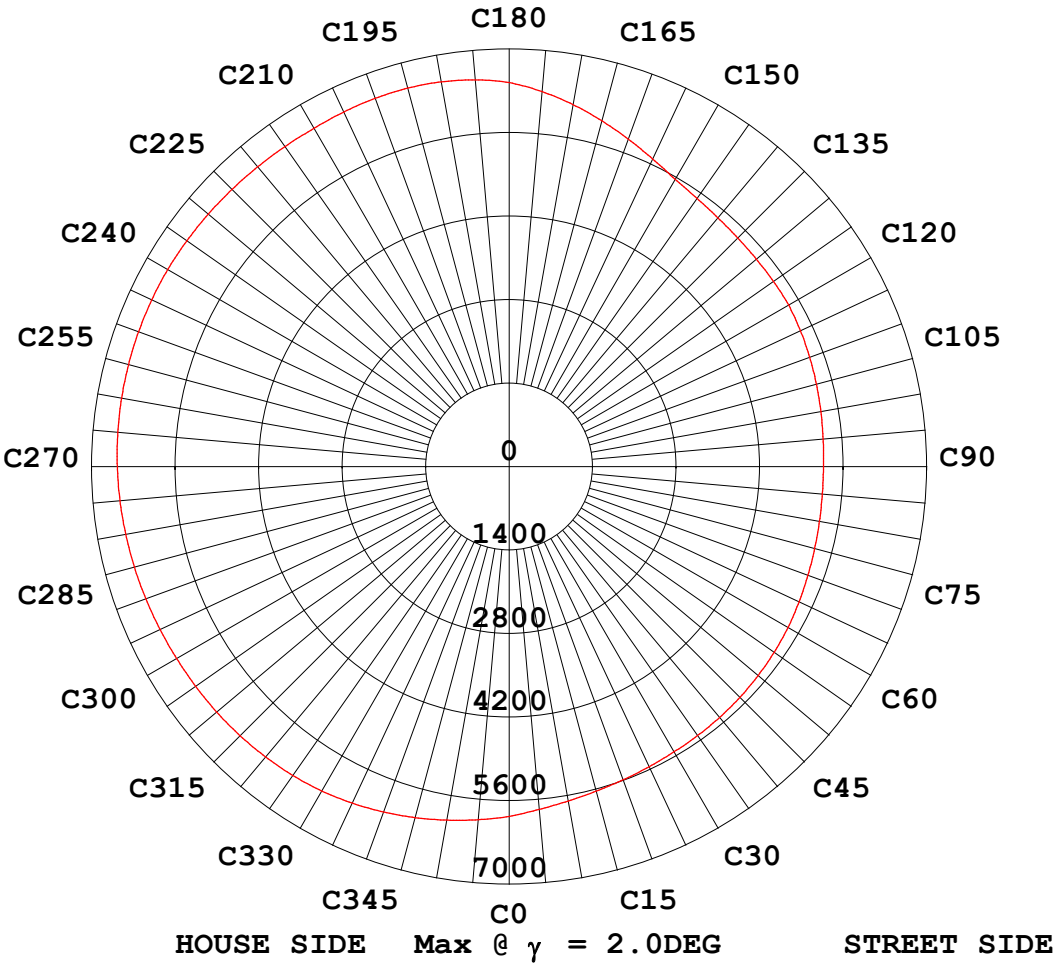
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :



Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:2020年01月02日

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:7.800 m  
Remarks:

## HOPOO GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT (K) : 0	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	6419	6235	6213	6135	6199	6224	6419	6235	6213	6135	6199	6224
5.0	4554	4177	3917	3823	4055	4355	5442	5948	6188	6146	5770	5404
10.0	2657	2285	2181	2171	2320	2487	3366	3793	4169	4219	3942	3465
15.0	1518	1233	1161	1145	1244	1336	1925	2128	2286	2432	2202	1981
20.0	900	721	653	646	691	750	1039	1171	1247	1344	1283	1200
25.0	552	406	373	361	402	433	618	713	791	880	832	763
30.0	312	215	205	201	233	246	345	418	465	545	508	458
35.0	155	113	110	97.9	114	120	194	229	250	301	267	233
40.0	73.5	52.9	53.9	46.5	57.4	56.5	87.1	120	123	122	117	108
45.0	38.8	29.0	32.1	26.0	34.1	32.1	44.6	56.6	54.5	65.8	52.2	52.0
50.0	19.2	17.5	20.3	16.8	22.0	20.3	27.1	33.4	30.6	36.5	27.8	29.2
55.0	16.1	12.8	15.2	12.7	16.2	14.2	17.6	21.1	18.3	21.6	16.2	17.8
60.0	13.4	11.0	13.1	9.79	13.5	11.5	13.2	16.0	13.3	16.0	12.4	14.9
65.0	10.3	9.67	11.3	8.09	11.7	9.97	10.9	13.2	11.0	13.7	10.8	13.0
70.0	9.79	8.76	10.4	7.23	10.3	8.76	8.03	11.4	9.67	11.8	9.73	11.6
75.0	9.61	8.09	9.43	7.05	9.55	8.09	7.78	10.4	8.88	9.12	9.12	10.8
80.0	7.30	5.65	6.99	5.11	7.30	6.32	7.17	9.18	7.97	8.88	8.09	8.76
85.0	5.11	3.40	4.74	3.46	4.98	4.01	4.98	6.57	5.53	6.75	5.41	5.47
90.0	4.01	2.73	3.95	2.92	3.89	2.79	3.46	4.38	3.40	4.68	3.10	4.07
95.0	3.77	2.85	3.71	2.79	3.58	2.92	3.34	3.77	2.79	3.89	2.73	3.83
100.0	3.77	2.98	3.58	3.10	3.46	2.92	3.58	3.71	3.04	3.77	2.92	3.71
105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Test System:HOPOO HPG1800  
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