

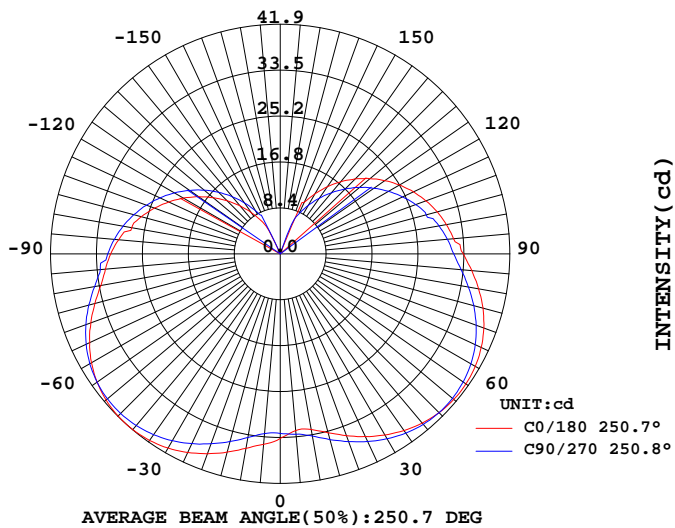
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

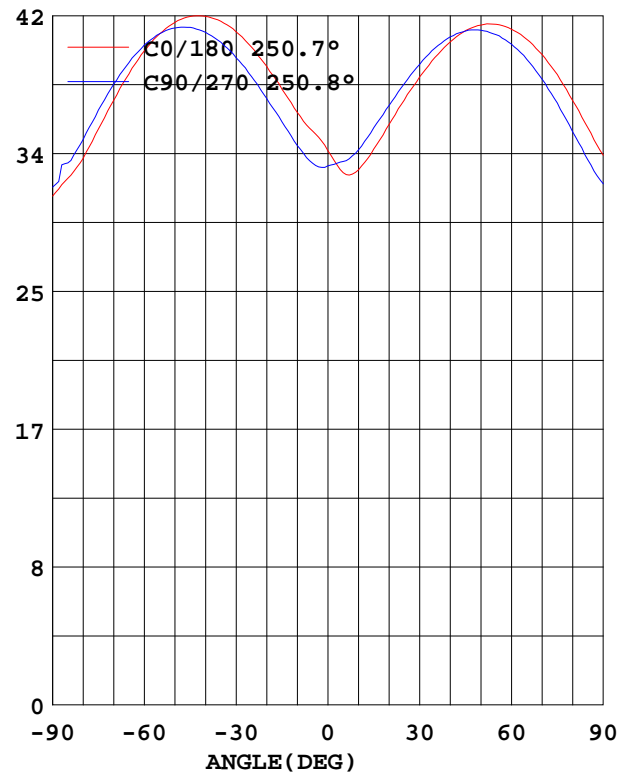
MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	41.92	S/MH(C0/180)	1.83
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.84
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	368.1	Voltage(V)	12.02
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)	115.0	Current(A)	0.326
NOMINAL FLUX(lm)	368.1	$\eta$ up(%)	35.1	Power(W)	3.200
LAMPS QUANTITY	1	$\eta$ down(%)	64.9	Power Factor(PF)	0.815
TEST VOLTAGE(V)	12.0	Effective Flux(lm)	71.6	EEI	0.292

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

Color Temperature Data List

Report number:

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

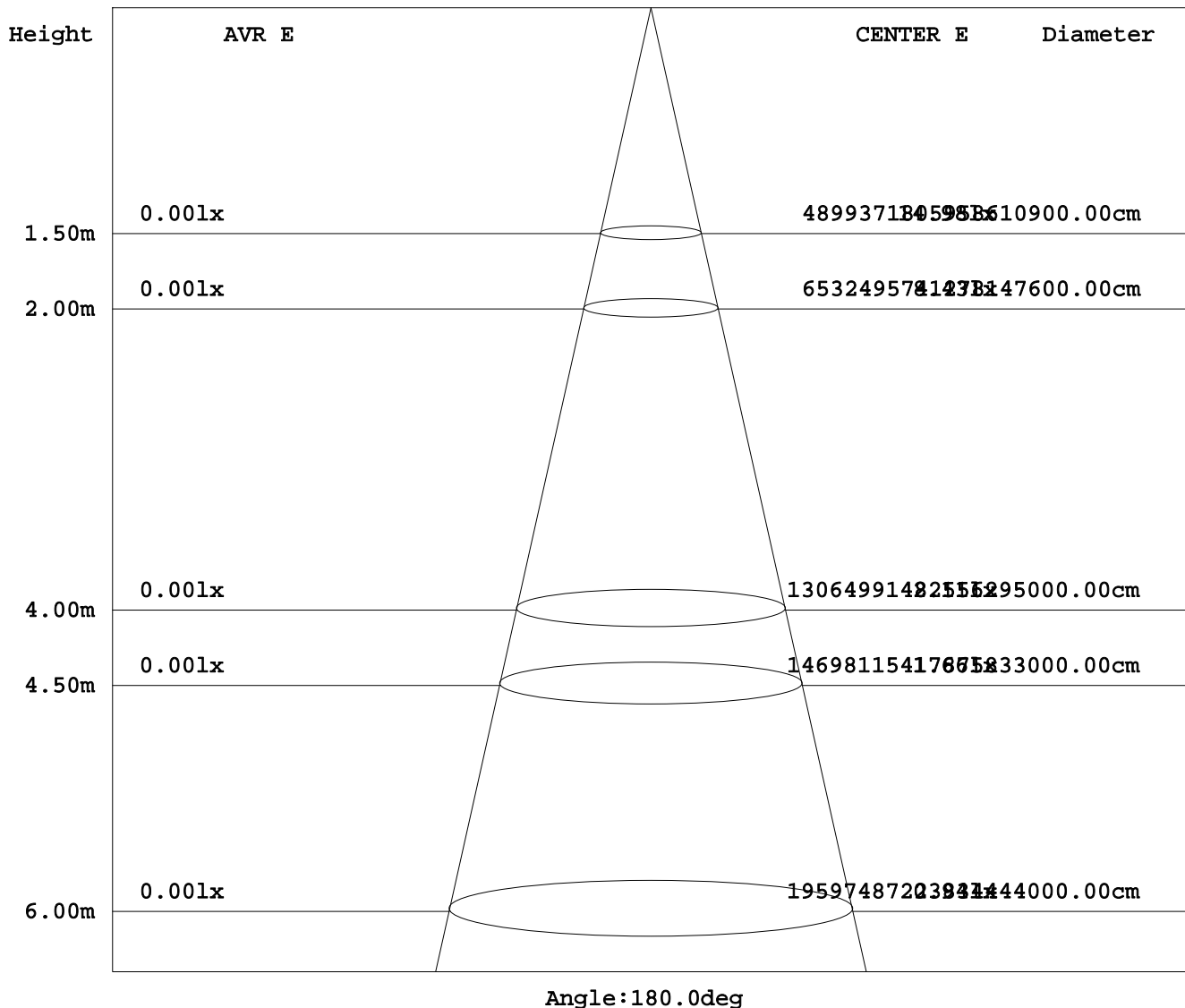
Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

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



Test System:HOPPO HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

# HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

## ZONAL FLUX DIAGRAM

Report number:

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

γ	C0	C90	C180	C270					γ	zone	total
5.0	34.90	32.95	32.38	33.06					0- 5	0.796	0.796
10.0	36.05	34.03	32.55	33.77					5- 10	2.409	3.205
15.0	37.45	35.46	33.82	35.11					10- 15	4.129	7.335
20.0	38.85	36.89	35.32	36.47					15- 20	5.967	13.30
25.0	40.01	38.22	36.80	37.79					20- 25	7.883	21.18
30.0	40.95	39.37	38.21	38.97					25- 30	9.829	31.01
35.0	41.58	40.31	39.38	39.95					30- 35	11.74	42.75
40.0	41.89	40.91	40.33	40.64					35- 40	13.56	56.32
45.0	41.88	41.22	41.02	40.99					40- 45	15.23	71.55
50.0	41.51	41.18	41.36	41.04					45- 50	16.69	88.25
55.0	40.81	40.83	41.40	40.77					50- 55	17.89	106.1
60.0	39.79	40.15	41.10	40.19					55- 60	18.79	124.9
65.0	38.39	39.08	40.48	39.27					60- 65	19.36	144.3
70.0	36.79	37.77	39.57	38.07					65- 70	19.59	163.9
75.0	35.03	36.19	38.34	36.61					70- 75	19.49	183.4
80.0	33.25	34.40	36.77	34.86					75- 80	19.09	202.5
85.0	32.03	32.97	35.10	33.14					80- 85	18.50	221.0
90.0	30.95	31.49	33.43	31.69					85- 90	17.85	238.8
95.0	29.61	30.40	31.76	30.62					90- 95	17.13	256.0
100.0	27.54	29.13	30.81	29.44					95-100	16.28	272.2
105.0	26.27	27.68	29.69	27.61					100-105	15.29	287.5
110.0	24.47	25.98	28.31	26.31					105-110	14.15	301.7
115.0	22.44	24.21	26.83	24.66					110-115	12.87	314.6
120.0	20.40	22.30	25.18	22.87					115-120	11.48	326.0
125.0	18.26	20.19	23.30	20.87					120-125	10.02	336.1
130.0	15.95	18.09	21.39	18.88					125-130	8.545	344.6
135.0	13.71	15.92	19.37	16.80					130-135	7.085	351.7
140.0	11.48	13.60	17.16	14.56					135-140	5.684	357.4
145.0	9.170	11.36	14.96	12.39					140-145	4.379	361.8
150.0	7.050	9.153	12.67	10.24					145-150	3.208	365.0
155.0	2.181	3.750	10.41	8.038					150-155	2.164	367.1
160.0	0.309	0.191	0.469	3.642					155-160	0.768	367.9
165.0	0.205	0.124	0.266	0.329					160-165	0.063	368.0
170.0	0.153	0.094	0.148	0.223					165-170	0.023	368.0
175.0	0.127	0.081	0.107	0.163					170-175	0.010	368.0
180.0	0.103	0.081	0.099	0.104					175-180	0.003	368.0
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:

Address:

NAME:

TYPE:

WEIGHT:

SPECIFICATION:

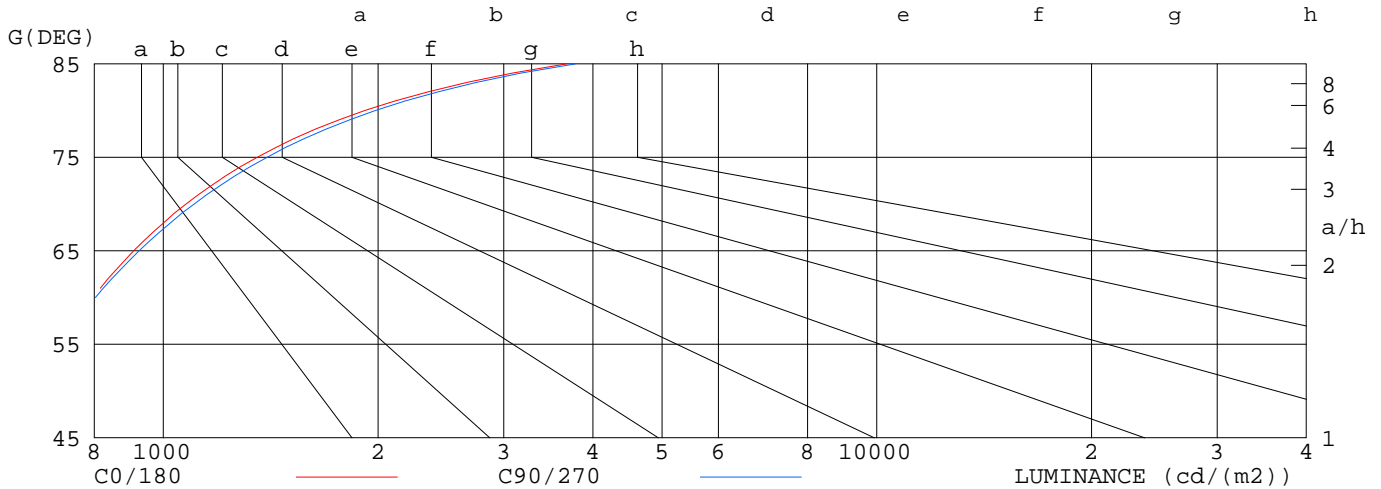
CCT(K): 0

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	3676	3784
80	1915	1981
75	1354	1398
70	1076	1104
65	908	925
60	796	803
55	712	712
50	646	641
45	592	583

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

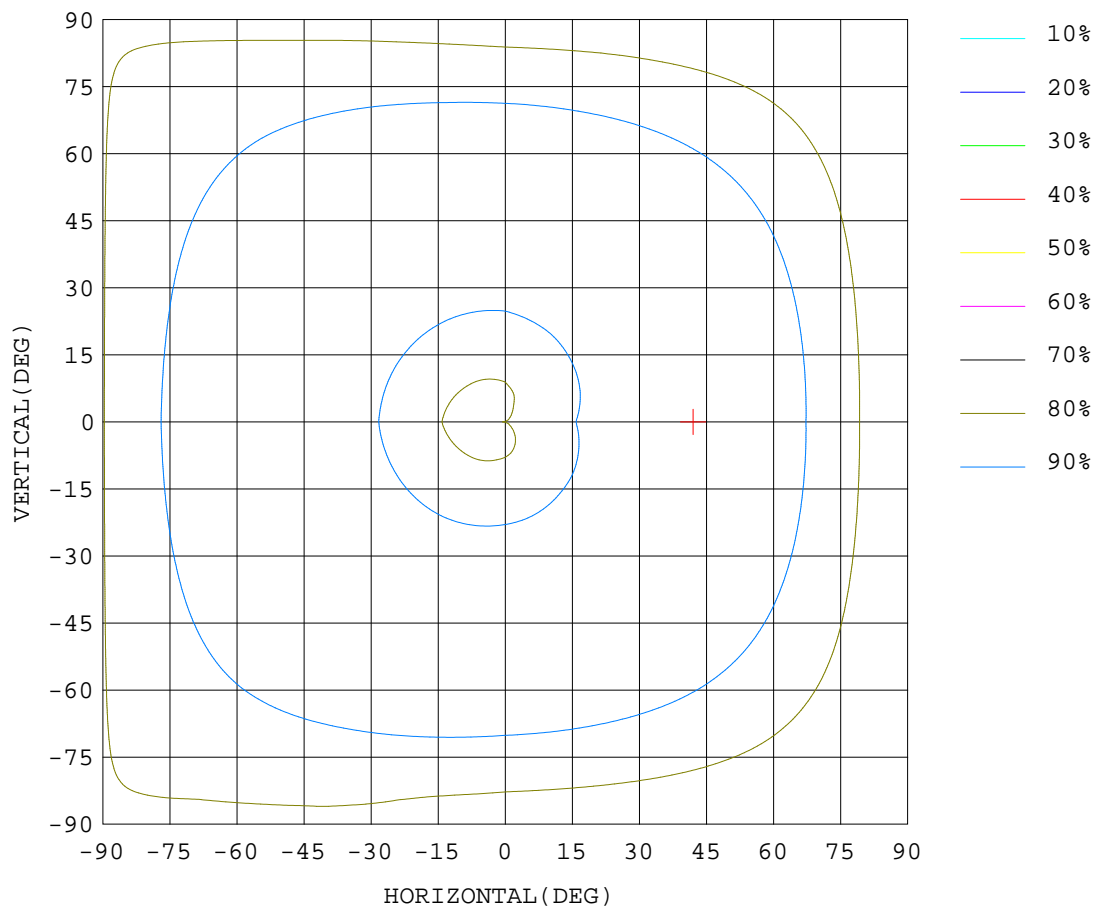
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



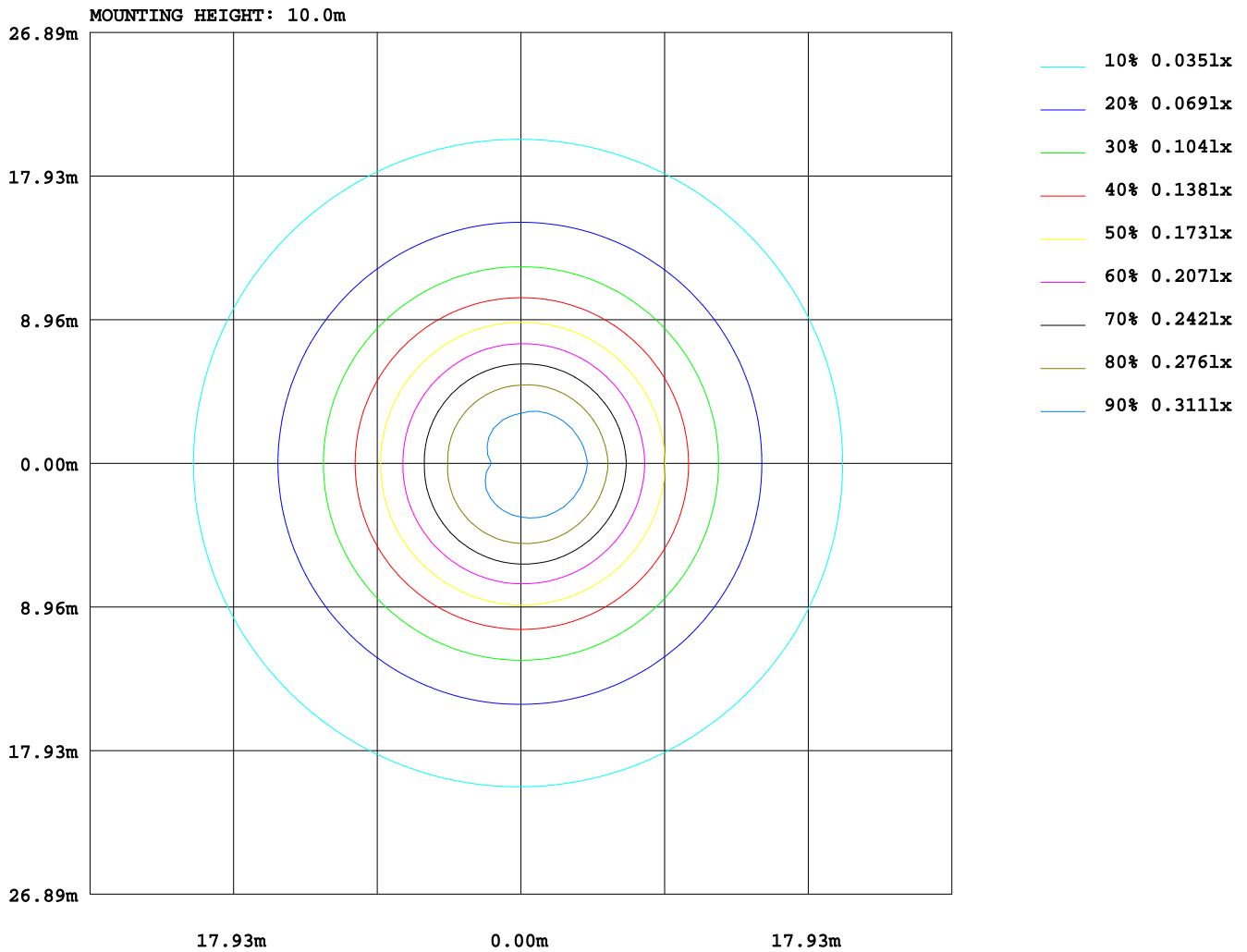
Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

ISOLUX DIAGRAM

Report number:

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



Test System:HOP00 HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

# HONGPU 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
	0.09	0.26	0.43	0.59	0.72	0.84	0.93	0.98	1.00	1.00	0.97	0.90	0.81	0.69	0.56	0.41	0.25	0.08	11.5	8.18		
90	0.09	0.27	0.45	0.62	0.78	0.91	1.00	1.07	1.10	1.10	1.06	0.98	0.87	0.74	0.58	0.42	0.25	0.08	12.4	8.91		
80	0.09	0.28	0.47	0.65	0.82	0.96	1.07	1.15	1.19	1.18	1.14	1.05	0.94	0.79	0.62	0.44	0.26	0.08	13.1	9.55		
70	0.09	0.28	0.48	0.68	0.85	1.00	1.11	1.19	1.23	1.23	1.19	1.10	0.99	0.83	0.65	0.45	0.26	0.08	13.7	9.96		
60	0.09	0.29	0.50	0.70	0.88	1.02	1.13	1.20	1.24	1.24	1.20	1.13	1.01	0.86	0.67	0.47	0.27	0.08	14.0	10.1		
50	0.09	0.29	0.51	0.71	0.89	1.02	1.12	1.18	1.20	1.21	1.19	1.13	1.03	0.88	0.69	0.48	0.27	0.09	14.0	10.0		
40	0.09	0.30	0.51	0.72	0.89	1.01	1.09	1.12	1.14	1.15	1.15	1.12	1.03	0.89	0.70	0.49	0.27	0.09	13.8	9.78		
30	0.09	0.30	0.52	0.72	0.88	1.00	1.05	1.06	1.06	1.08	1.11	1.10	1.03	0.90	0.71	0.49	0.28	0.09	13.4	9.44		
-30	0.09	0.30	0.52	0.72	0.88	0.98	1.02	1.01	1.00	1.04	1.09	1.09	1.03	0.90	0.71	0.49	0.28	0.09	13.2	9.21		
	0.09	0.30	0.52	0.72	0.88	0.98	1.02	1.01	1.00	1.04	1.09	1.09	1.03	0.90	0.71	0.49	0.28	0.09	13.2	9.22		
	0.09	0.30	0.52	0.72	0.89	1.00	1.05	1.07	1.07	1.09	1.12	1.10	1.03	0.90	0.71	0.49	0.28	0.09	13.5	9.48		
	0.09	0.30	0.51	0.72	0.89	1.01	1.09	1.13	1.15	1.16	1.16	1.12	1.03	0.89	0.70	0.49	0.27	0.09	13.8	9.83		
-40	0.09	0.29	0.51	0.71	0.89	1.02	1.12	1.18	1.21	1.22	1.20	1.14	1.03	0.88	0.69	0.48	0.27	0.09	14.0	10.0		
-50	0.09	0.29	0.50	0.70	0.88	1.02	1.13	1.21	1.24	1.24	1.21	1.13	1.01	0.86	0.67	0.46	0.27	0.08	14.0	10.1		
-60	0.09	0.28	0.48	0.68	0.85	1.00	1.11	1.19	1.23	1.23	1.19	1.10	0.98	0.83	0.64	0.45	0.26	0.08	13.7	9.95		
-70	0.09	0.28	0.47	0.65	0.82	0.96	1.07	1.14	1.18	1.18	1.13	1.05	0.93	0.78	0.61	0.43	0.26	0.08	13.1	9.50		
-80	0.09	0.27	0.45	0.62	0.77	0.90	1.00	1.06	1.09	1.09	1.05	0.97	0.87	0.73	0.58	0.42	0.25	0.08	12.3	8.83		
-90	0.09	0.26	0.43	0.59	0.72	0.84	0.92	0.98	1.00	1.00	0.96	0.90	0.81	0.69	0.56	0.41	0.25	0.08	11.4	8.14		
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL( DEG) 20 30 40 50 60 70 80 90																						
Φ t	1.65	5.16	8.76	12.1	15.1	17.5	19.1	20.0	20.4	20.5	20.2	19.3	17.4	14.9	11.7	8.25	4.76	1.52	368			
Φ a	0.00	0.00	0.00	0.00	7.91	17.5	19.1	20.0	20.4	20.5	20.2	19.3	17.4	7.82	0.00	0.00	0.00	0.00		72		

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

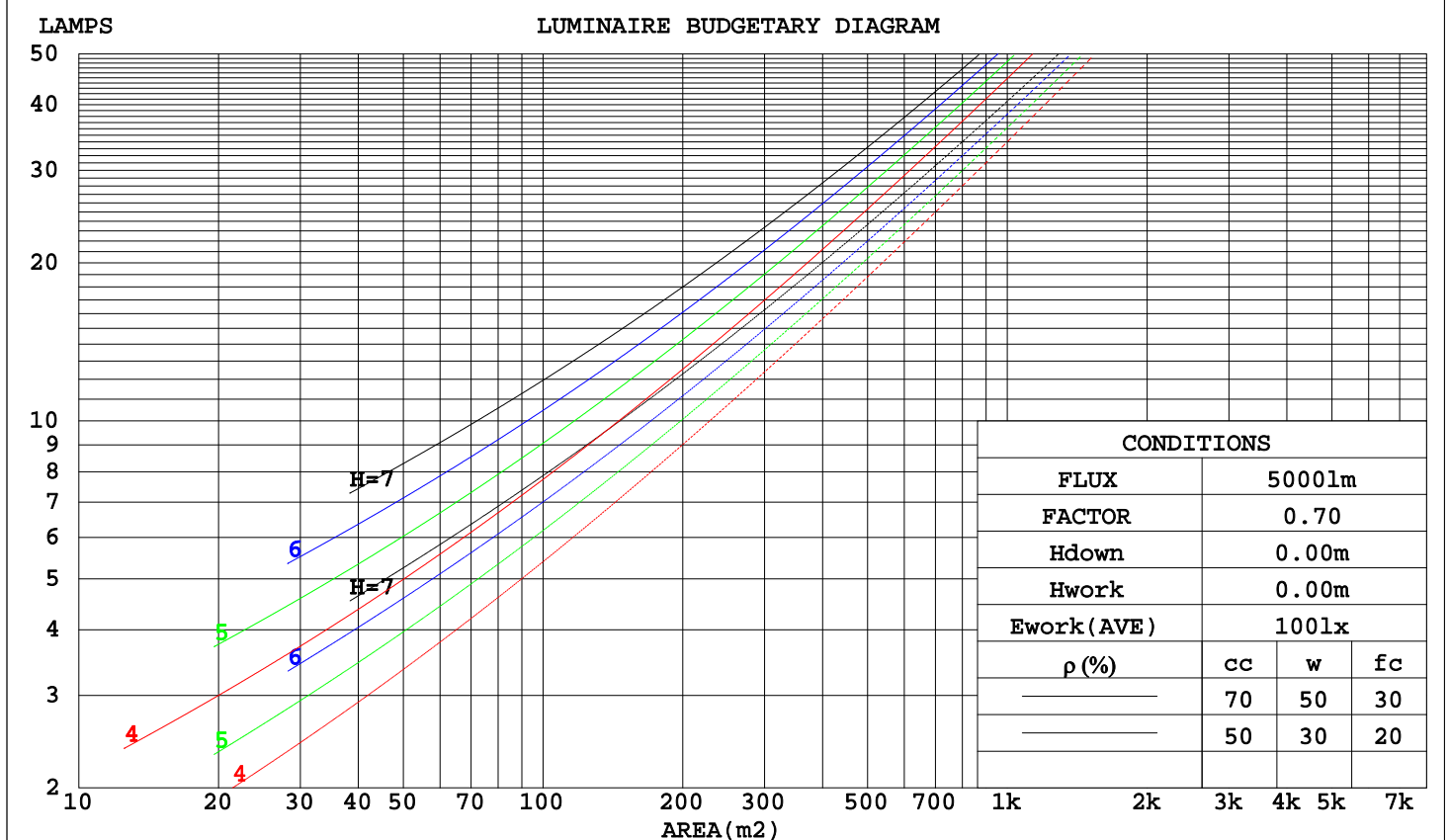


## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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															



Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

# HONGPU GONIOPHOTOMETERS SYSTEM TEST REPORT

## WEC AND CCEC

Report number:

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

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0														
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.421	.240	.076	.403	.230	.073	.370	.212	.068	.339	.195	.063	.310	.180	.058															
2.0	.353	.194	.059	.337	.186	.057	.306	.170	.053	.278	.156	.049	.252	.143	.045															
3.0	.309	.164	.049	.294	.157	.047	.266	.144	.044	.240	.131	.040	.216	.120	.037															
4.0	.275	.143	.042	.261	.137	.040	.236	.125	.037	.212	.114	.034	.190	.103	.031															
5.0	.248	.126	.037	.235	.121	.035	.212	.110	.033	.190	.100	.030	.170	.091	.027															
6.0	.226	.113	.032	.214	.108	.031	.193	.099	.029	.173	.090	.026	.154	.081	.024															
7.0	.207	.102	.029	.197	.098	.028	.177	.089	.026	.158	.081	.024	.141	.073	.022															
8.0	.191	.094	.026	.182	.090	.025	.163	.082	.023	.146	.074	.021	.130	.067	.019															
9.0	.178	.086	.024	.169	.082	.023	.152	.075	.021	.136	.068	.019	.121	.061	.018															
10.0	.166	.080	.022	.158	.076	.021	.142	.069	.020	.127	.063	.018	.113	.057	.016															

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.458	.458	.458	.391	.391	.391	.267	.267	.267	.153	.153	.153	.049	.049	.049	
1.0	.458	.425	.395	.392	.365	.340	.268	.251	.235	.154	.145	.137	.049	.047	.044	
2.0	.452	.403	.362	.387	.347	.313	.265	.240	.218	.153	.140	.128	.049	.045	.042	
3.0	.445	.387	.342	.381	.334	.296	.262	.232	.208	.151	.136	.122	.049	.044	.040	
4.0	.437	.376	.329	.375	.325	.285	.258	.226	.201	.149	.133	.119	.048	.043	.039	
5.0	.430	.366	.320	.369	.317	.278	.254	.221	.196	.147	.130	.116	.047	.042	.038	
6.0	.422	.359	.313	.363	.311	.273	.250	.218	.193	.145	.128	.115	.047	.042	.038	
7.0	.415	.353	.309	.357	.306	.269	.247	.214	.191	.143	.126	.113	.046	.041	.038	
8.0	.408	.347	.305	.352	.301	.266	.243	.211	.189	.142	.125	.112	.046	.041	.037	
9.0	.402	.343	.302	.346	.297	.264	.240	.209	.187	.140	.123	.112	.045	.041	.037	
10.0	.396	.339	.300	.342	.294	.262	.237	.207	.186	.138	.122	.111	.045	.040	.037	

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

# HONGPU 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	9.7	10.9	10.4	11.7	12.5	9.7	10.9	10.4	11.7	12.6
	3H	12.5	13.7	13.3	14.4	15.4	12.6	13.8	13.4	14.5	15.5
	4H	14.1	15.2	14.9	16.0	16.9	14.2	15.3	15.0	16.1	17.0
	6H	15.9	16.9	16.6	17.7	18.6	16.0	17.0	16.8	17.8	18.8
	8H	16.8	17.8	17.6	18.6	19.6	17.0	18.0	17.8	18.8	19.8
	12H	18.0	18.9	18.8	19.7	20.7	18.1	19.1	18.9	19.9	20.9
4H	2H	10.6	11.7	11.3	12.4	13.4	10.6	11.7	11.4	12.5	13.4
	3H	13.6	14.6	14.4	15.4	16.4	13.7	14.6	14.5	15.4	16.4
	4H	15.3	16.2	16.1	17.0	18.1	15.4	16.3	16.2	17.1	18.2
	6H	17.2	18.0	18.1	18.9	19.9	17.4	18.2	18.2	19.0	20.1
	8H	18.3	19.0	19.2	19.9	21.0	18.5	19.2	19.3	20.0	21.1
	12H	19.6	20.2	20.4	21.1	22.2	19.7	20.4	20.6	21.3	22.3
8H	4H	16.0	16.7	16.8	17.6	18.6	16.1	16.8	16.9	17.7	18.7
	6H	18.2	18.8	19.0	19.7	20.8	18.3	18.9	19.2	19.8	20.9
	8H	19.4	20.0	20.3	20.9	22.0	19.6	20.1	20.4	21.0	22.1
	12H	20.9	21.4	21.8	22.3	23.4	21.0	21.5	21.9	22.4	23.6
12H	4H	16.2	16.8	17.0	17.7	18.8	16.2	16.9	17.1	17.8	18.9
	6H	18.5	19.0	19.3	19.9	21.0	18.6	19.1	19.4	20.0	21.1
	8H	19.8	20.3	20.7	21.2	22.4	19.9	20.4	20.8	21.4	22.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 368.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.5)

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 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) $k(RI) \times RCR = 5$									
$k = 0.60$	39	26	19	38	26	19	35	24	18	11
0.80	48	34	26	46	33	25	42	31	24	15
1.00	56	41	32	53	40	31	48	39	29	19
1.25	62	48	39	59	46	38	53	43	35	23
1.50	68	54	44	64	52	43	57	47	39	26
2.00	75	63	53	71	60	51	63	54	47	32
2.50	80	69	59	76	65	57	67	59	52	35
3.00	85	74	65	80	70	62	70	63	56	38
4.00	90	80	73	84	76	69	74	68	62	43
5.00	93	85	78	87	80	74	77	71	66	46
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004					Suspended			SHRNOM = 1.25		

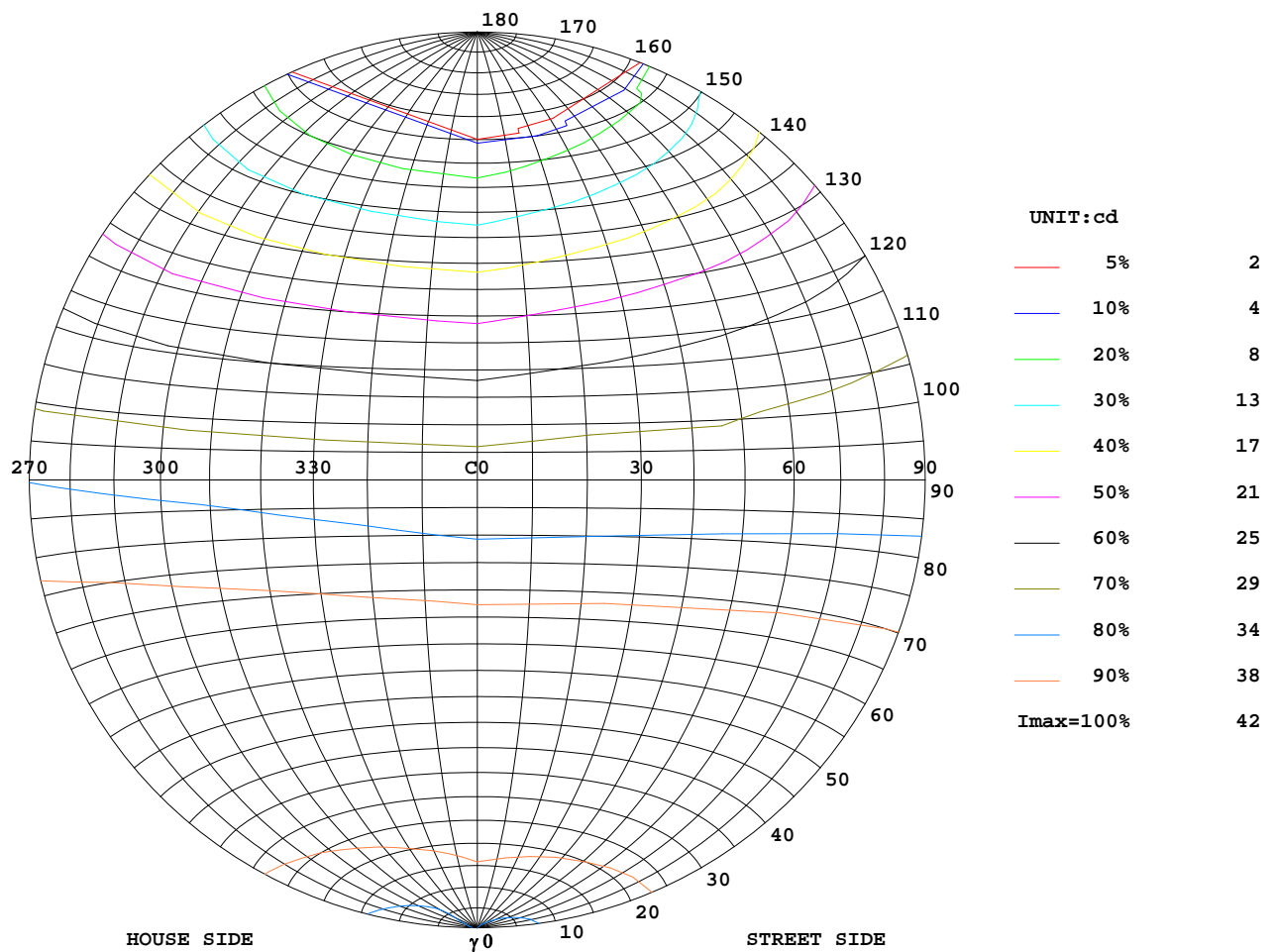
Test System:HOP00 HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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



Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

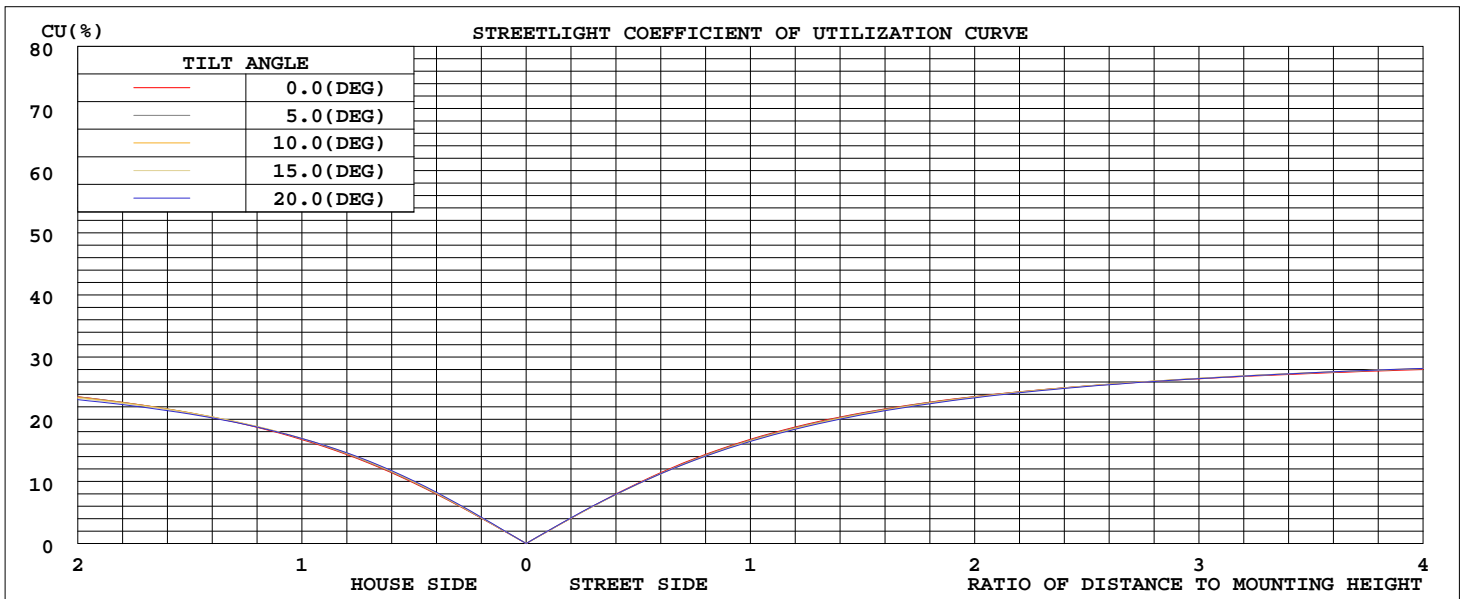
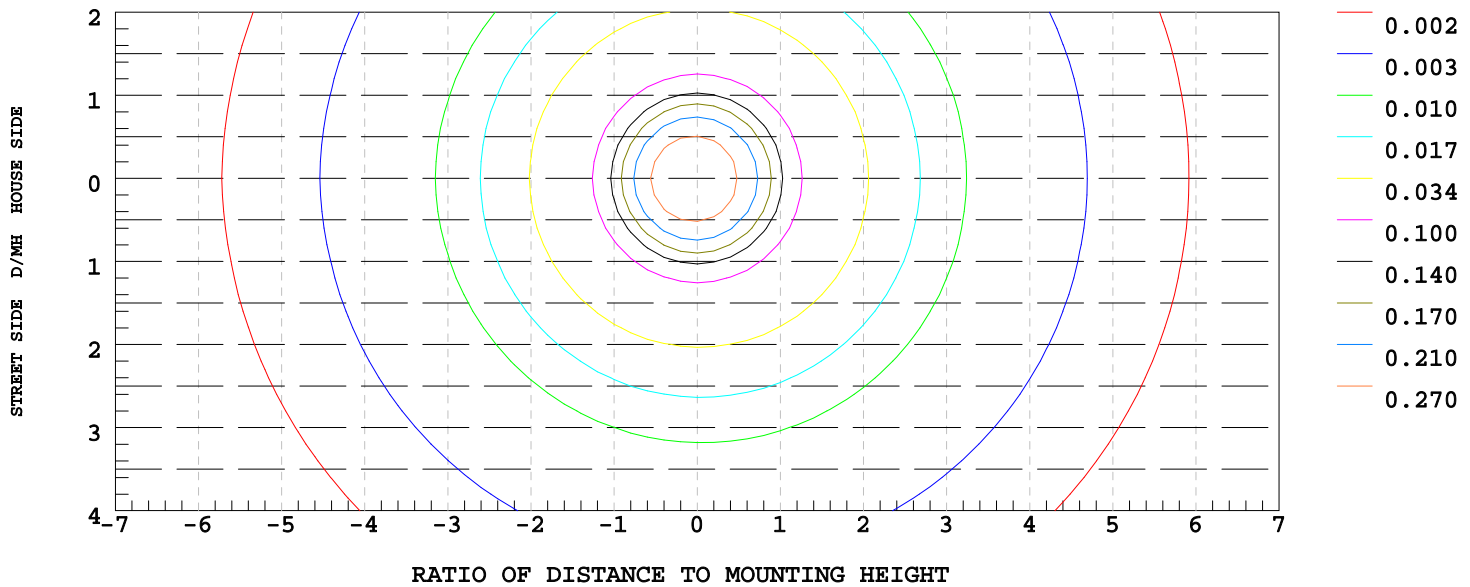
Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 0.34 lx



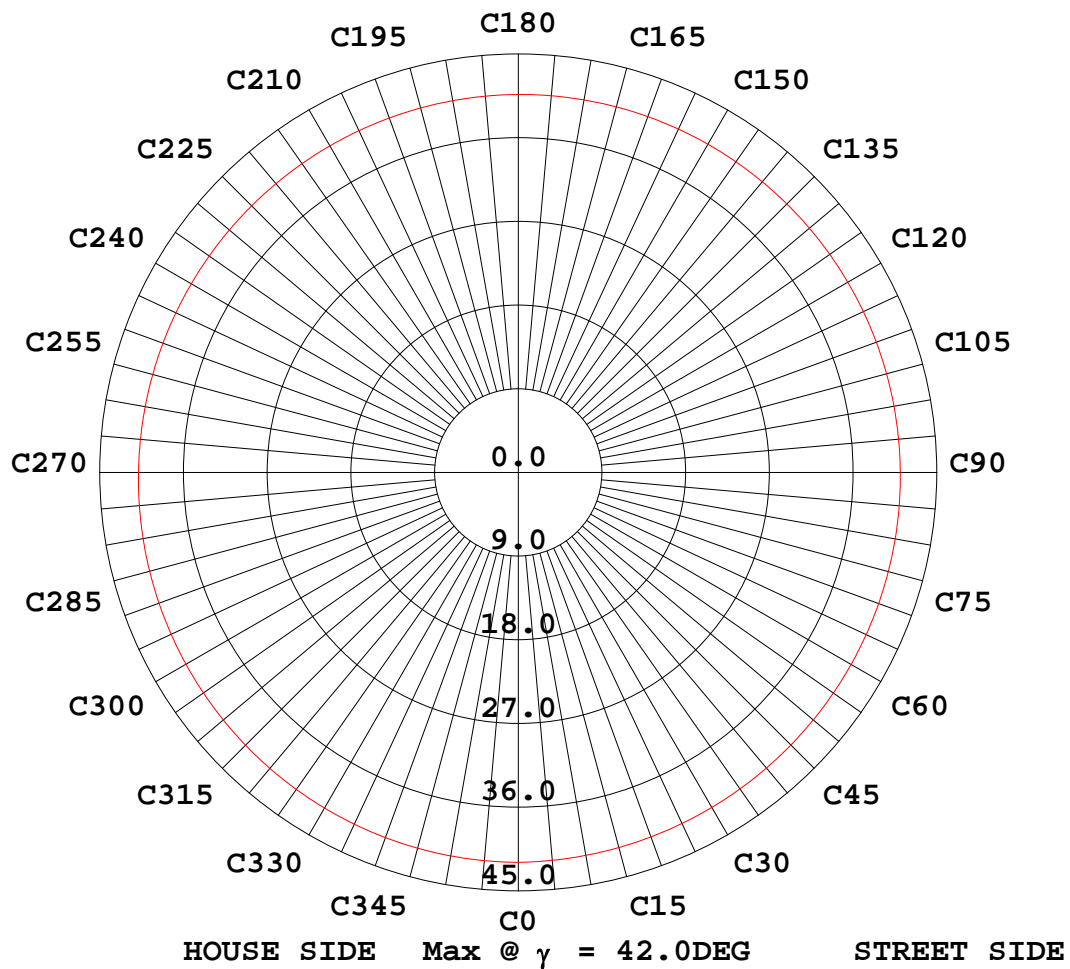
Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

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



Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

## 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	90	180	270
0.0	33.7	32.8	33.7	32.8
5.0	34.9	32.9	32.3	33.0
10.0	36.0	34.0	32.5	33.7
15.0	37.4	35.4	33.8	35.1
20.0	38.8	36.8	35.3	36.4
25.0	40.0	38.2	36.8	37.7
30.0	40.9	39.3	38.2	38.9
35.0	41.5	40.3	39.3	39.9
40.0	41.8	40.9	40.3	40.6
45.0	41.8	41.2	41.0	40.9
50.0	41.5	41.1	41.3	41.0
55.0	40.8	40.8	41.4	40.7
60.0	39.7	40.1	41.1	40.1
65.0	38.3	39.0	40.4	39.2
70.0	36.7	37.7	39.5	38.0
75.0	35.0	36.1	38.3	36.6
80.0	33.2	34.4	36.7	34.8
85.0	32.0	32.9	35.1	33.1
90.0	30.9	31.4	33.4	31.6
95.0	29.6	30.4	31.7	30.6
100.0	27.5	29.1	30.8	29.4
105.0	26.2	27.6	29.6	27.6
110.0	24.4	25.9	28.3	26.3
115.0	22.4	24.2	26.8	24.6
120.0	20.4	22.3	25.1	22.8
125.0	18.2	20.1	23.3	20.8
130.0	15.9	18.0	21.3	18.8
135.0	13.7	15.9	19.3	16.8
140.0	11.4	13.6	17.1	14.5
145.0	9.17	11.3	14.9	12.3
150.0	7.05	9.15	12.6	10.2
155.0	2.18	3.75	10.4	8.03
160.0	0.31	0.19	0.47	3.64
165.0	0.20	0.12	0.27	0.33
170.0	0.15	0.09	0.15	0.22
175.0	0.13	0.08	0.11	0.16
180.0	0.10	0.08	0.10	0.10

Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:06-30-2023

Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks: