

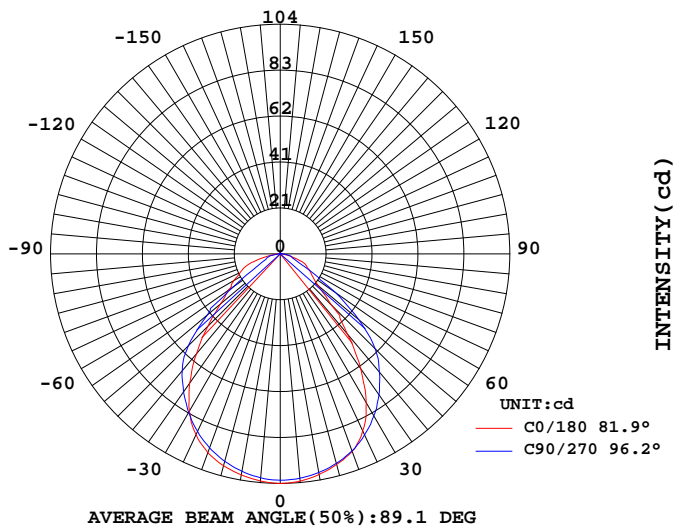
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

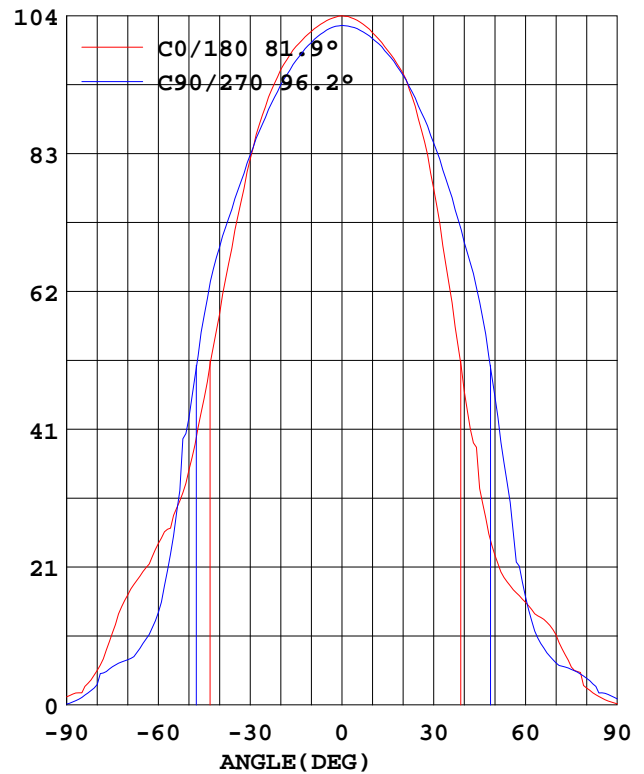
MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	103.5	S/MH(C0/180)	1.18
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.21
NOMINAL POWER(W)	3	TOTAL FLUX(lm)	208.6	Voltage(V)	12.07
RATED VOLTAGE(V)	12	EFFICIENCY(lm/W)	71.9	Current(A)	0.290
NOMINAL FLUX(lm)	208.6	$\eta$ up(%)	0.9	Power(W)	2.900
LAMPS QUANTITY	1	$\eta$ down(%)	99.1	Power Factor(PF)	0.827
TEST VOLTAGE(V)	12.1	Effective Flux(lm)	143.7	EEI	0.165

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:07-14-2023

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.:

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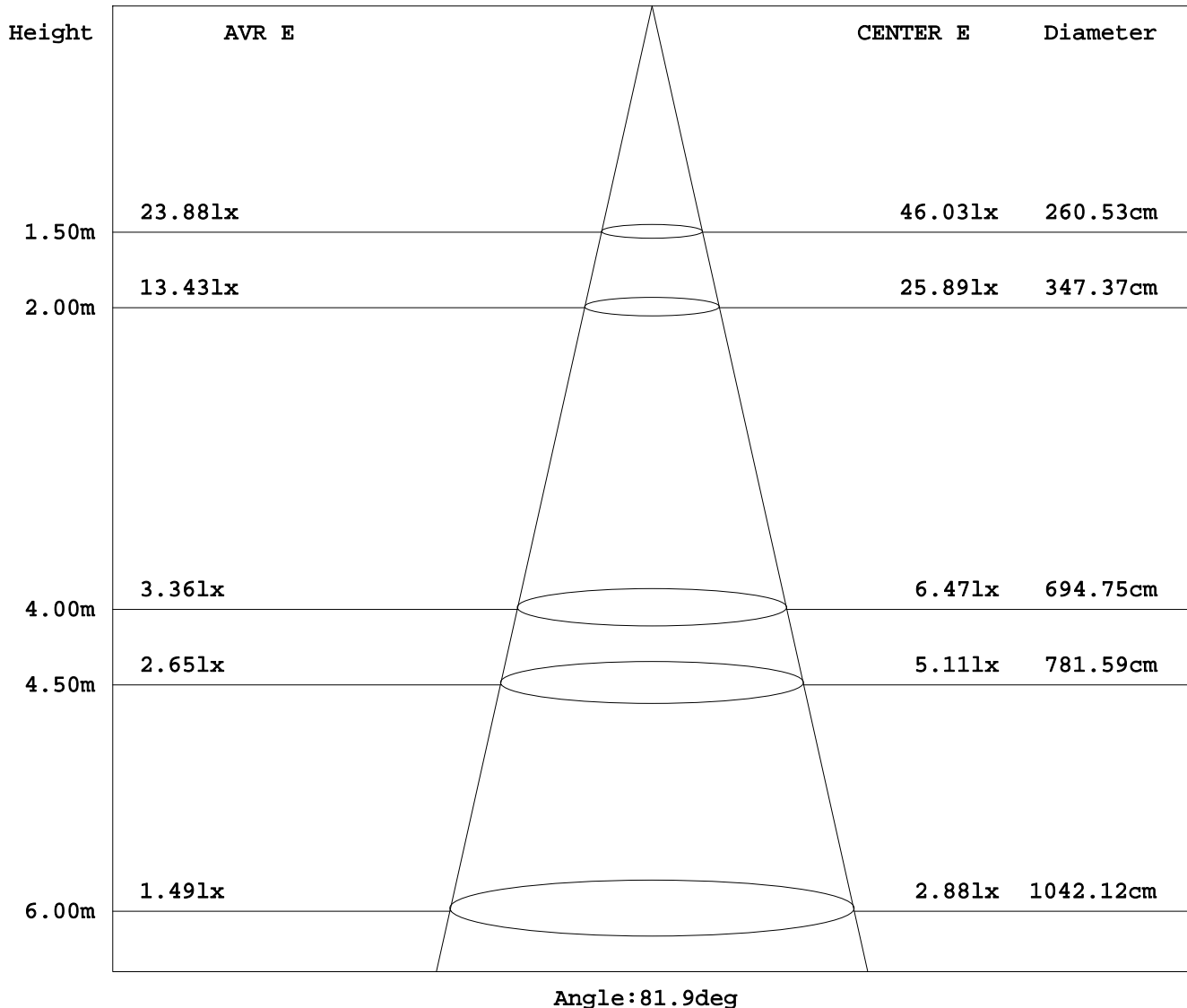
Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:07-14-2023

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: 07-14-2023

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	102.8	101.4	102.8	101.6					0- 5	2.450	2.450
10.0	101.2	99.51	100.9	100.1					5- 10	7.248	9.699
15.0	98.94	96.83	98.33	97.80					10- 15	11.77	21.46
20.0	95.44	93.19	94.87	94.59					15- 20	15.86	37.33
25.0	89.89	88.28	88.06	90.00					20- 25	19.27	56.61
30.0	81.95	82.59	77.54	84.42					25- 30	21.64	78.25
35.0	71.33	76.07	63.33	77.63					30- 35	22.62	100.8
40.0	58.68	68.73	47.11	69.50					35- 40	22.21	123.0
45.0	46.18	58.61	32.53	60.53					40- 45	20.60	143.7
50.0	35.29	43.13	22.51	46.39					45- 50	17.39	161.0
55.0	28.49	25.42	17.91	30.41					50- 55	13.53	174.6
60.0	24.25	13.88	15.43	16.30					55- 60	9.681	184.3
65.0	20.05	9.257	13.15	9.233					60- 65	7.225	191.5
70.0	16.53	6.794	10.54	6.320					65- 70	5.798	197.3
75.0	10.82	5.728	5.697	5.334					70- 75	4.451	201.7
80.0	5.176	3.061	2.534	4.009					75- 80	2.907	204.6
85.0	1.806	1.121	1.034	1.811					80- 85	1.375	206.0
90.0	1.207	0.132	0.166	0.912					85- 90	0.572	206.6
95.0	0.493	0.036	0.058	0.200					90- 95	0.193	206.8
100.0	0.360	0.051	0.089	0.145					95-100	0.094	206.9
105.0	0.295	0.075	0.127	0.138					100-105	0.085	207.0
110.0	0.200	0.114	0.170	0.145					105-110	0.083	207.0
115.0	0.183	0.181	0.210	0.180					110-115	0.086	207.1
120.0	0.206	0.267	0.258	0.225					115-120	0.103	207.2
125.0	0.244	0.365	0.313	0.303					120-125	0.125	207.4
130.0	0.301	0.448	0.374	0.389					125-130	0.149	207.5
135.0	0.381	0.511	0.440	0.466					130-135	0.168	207.7
140.0	0.454	0.540	0.484	0.506					135-140	0.176	207.8
145.0	0.506	0.547	0.503	0.515					140-145	0.170	208.0
150.0	0.523	0.508	0.488	0.503					145-150	0.152	208.2
155.0	0.498	0.455	0.450	0.475					150-155	0.124	208.3
160.0	0.449	0.387	0.404	0.428					155-160	0.093	208.4
165.0	0.388	0.325	0.349	0.372					160-165	0.064	208.5
170.0	0.331	0.271	0.310	0.323					165-170	0.040	208.5
175.0	0.294	0.248	0.291	0.267					170-175	0.021	208.5
180.0	0.290	0.252	0.290	0.252					175-180	0.007	208.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-14-2023

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

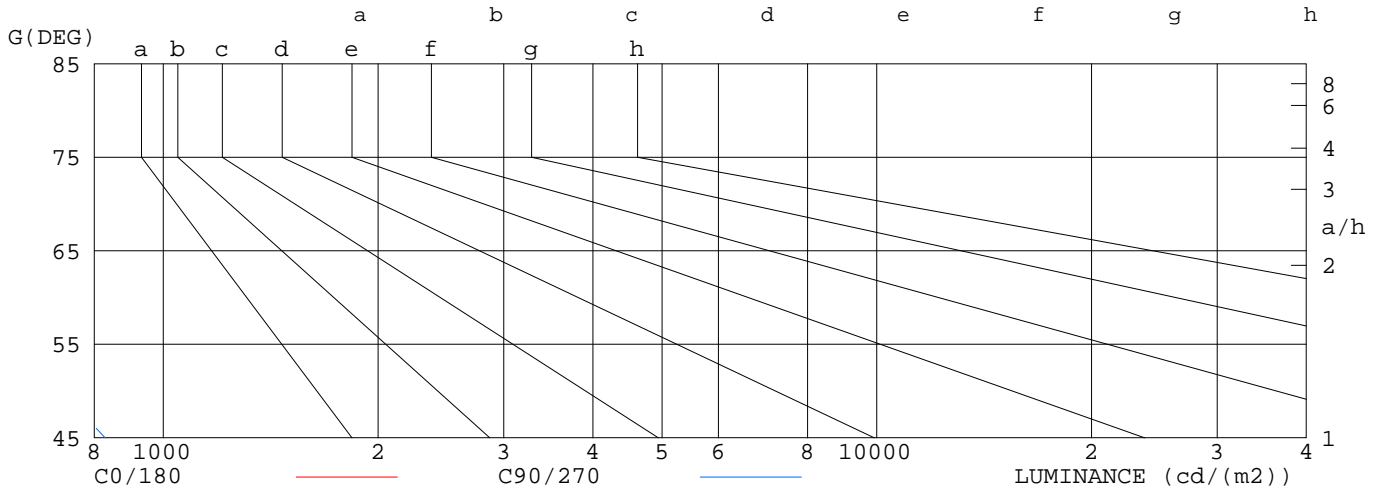
## LUMINANCE LIMITATION CURVES

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 $\text{cd}/\text{m}^2$		
G (DEG)	C0/180	C90/270
85	207	129
80	298	176
75	418	221
70	483	199
65	475	219
60	485	278
55	497	443
50	549	671
45	653	829

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-14-2023

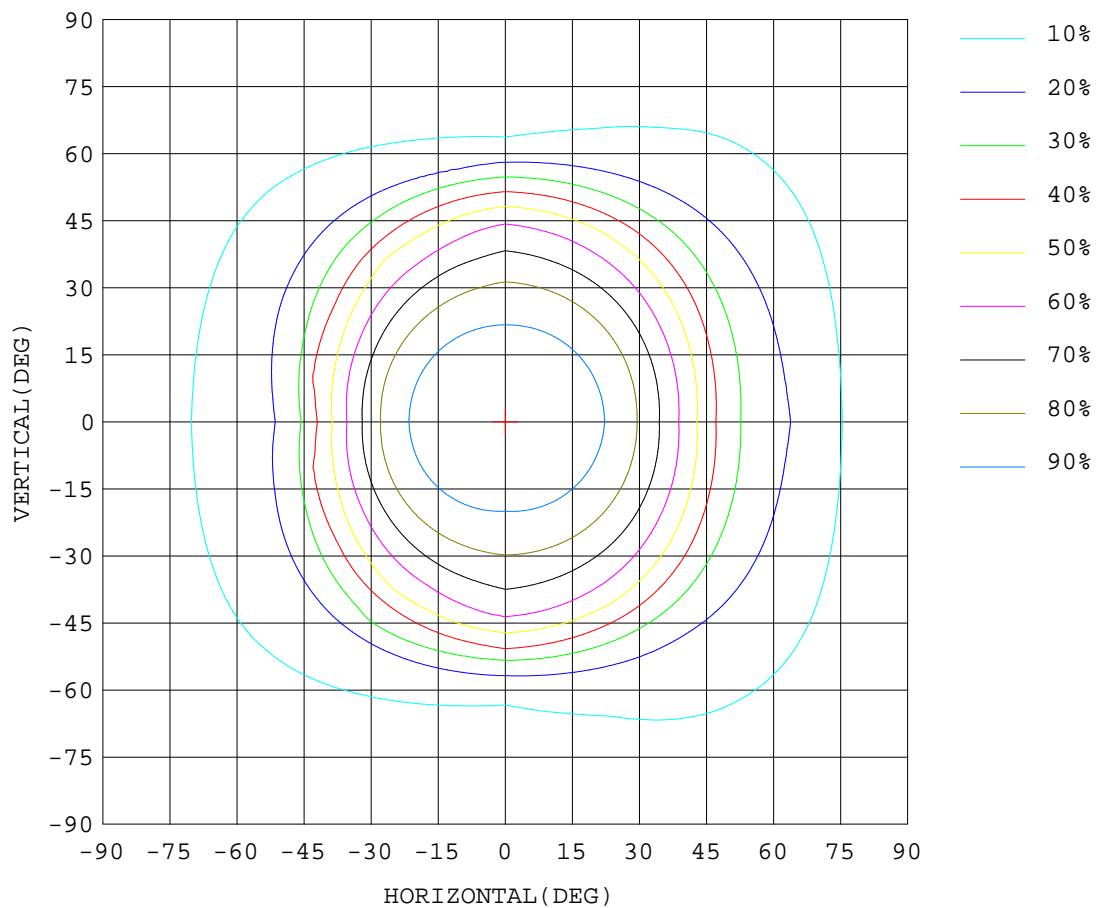
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



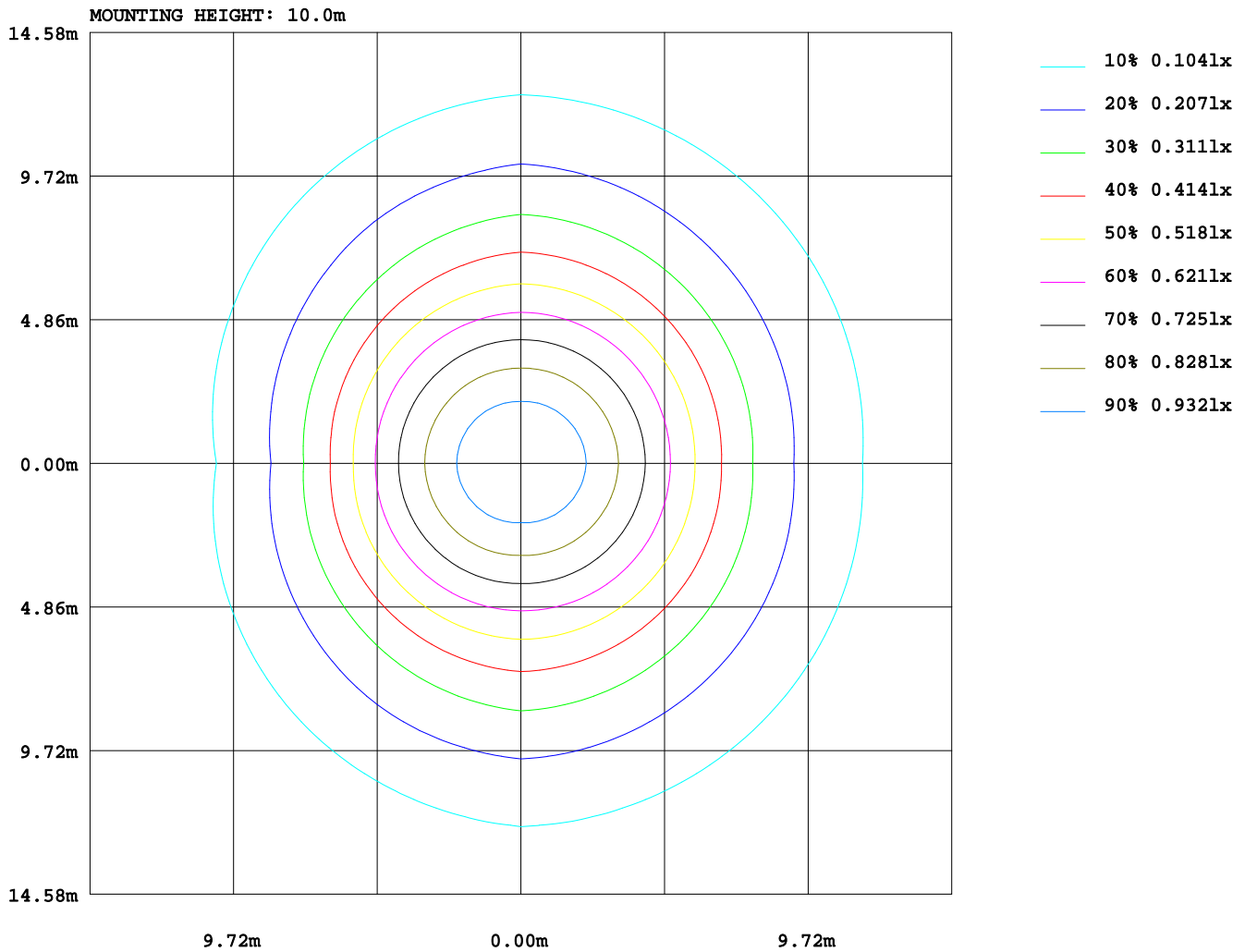
Test System:HOP00 HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:07-14-2023

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:07-14-2023

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
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90					
	0.00	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.06	0.06	0.05	0.04	0.03	0.02	0.01	0.00	0.60	0.47				
	0.00	0.01	0.02	0.05	0.08	0.11	0.14	0.15	0.16	0.17	0.18	0.17	0.14	0.11	0.07	0.03	0.01	0.00	1.60	1.32				
	0.00	0.01	0.04	0.09	0.15	0.20	0.25	0.28	0.30	0.32	0.32	0.30	0.27	0.21	0.14	0.07	0.02	0.00	2.99	2.44				
	0.00	0.02	0.07	0.15	0.24	0.35	0.51	0.71	0.87	0.89	0.77	0.59	0.44	0.32	0.22	0.11	0.03	0.00	6.29	5.42				
	0.00	0.03	0.10	0.20	0.34	0.62	1.02	1.43	1.72	1.75	1.52	1.15	0.75	0.46	0.28	0.16	0.05	0.01	11.6	10.4				
	0.00	0.04	0.13	0.25	0.49	0.95	1.52	1.99	2.28	2.30	2.07	1.66	1.13	0.64	0.36	0.19	0.06	0.01	16.1	14.6				
	0.00	0.04	0.15	0.30	0.62	1.25	1.93	2.44	2.69	2.70	2.48	2.04	1.44	0.82	0.43	0.22	0.07	0.01	19.6	17.8				
	0.00	0.05	0.16	0.32	0.73	1.46	2.24	2.73	2.94	2.94	2.75	2.31	1.65	0.95	0.48	0.24	0.08	0.01	22.0	20.0				
	0.00	0.05	0.17	0.33	0.75	1.57	2.39	2.86	3.07	3.07	2.87	2.45	1.76	1.00	0.50	0.26	0.09	0.01	23.2	21.1				
	0.00	0.05	0.17	0.32	0.75	1.57	2.39	2.85	3.06	3.06	2.87	2.44	1.75	1.00	0.50	0.26	0.09	0.01	23.1	21.0				
	0.00	0.05	0.16	0.32	0.72	1.46	2.22	2.71	2.91	2.92	2.72	2.30	1.64	0.95	0.47	0.24	0.08	0.01	21.9	19.9				
-30	0.00	0.04	0.15	0.29	0.61	1.23	1.91	2.41	2.64	2.65	2.45	2.02	1.43	0.81	0.42	0.22	0.07	0.01	19.4	17.6				
-40	0.00	0.04	0.13	0.24	0.47	0.92	1.50	1.97	2.24	2.26	2.05	1.64	1.10	0.62	0.35	0.19	0.06	0.01	15.8	14.3				
-50	0.00	0.03	0.10	0.20	0.33	0.58	0.98	1.38	1.66	1.69	1.46	1.10	0.71	0.44	0.28	0.16	0.05	0.01	11.1	10.0				
-60	0.00	0.02	0.07	0.15	0.23	0.33	0.47	0.64	0.79	0.81	0.70	0.55	0.42	0.32	0.22	0.11	0.03	0.00	5.87	5.00				
-70	0.00	0.01	0.04	0.10	0.15	0.21	0.25	0.28	0.29	0.30	0.32	0.31	0.27	0.22	0.14	0.07	0.02	0.00	2.99	2.43				
-80	0.00	0.01	0.02	0.04	0.08	0.11	0.14	0.16	0.17	0.18	0.18	0.17	0.14	0.10	0.06	0.03	0.01	0.00	1.61	1.35				
-90	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.02	0.01	0.00	0.41	0.31				
Φ t	0.05	0.49	1.68	3.36	6.77	13.0	19.9	25.1	27.9	28.1	25.8	21.3	15.1	9.05	4.97	2.60	0.87	0.11	209					
Φ a	0.00	0.00	0.00	0.00	4.02	13.0	19.9	25.1	27.9	28.1	25.8	21.3	15.1	5.20	0.00	0.00	0.00	0.00		144				

Test System:HOP00 HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-14-2023

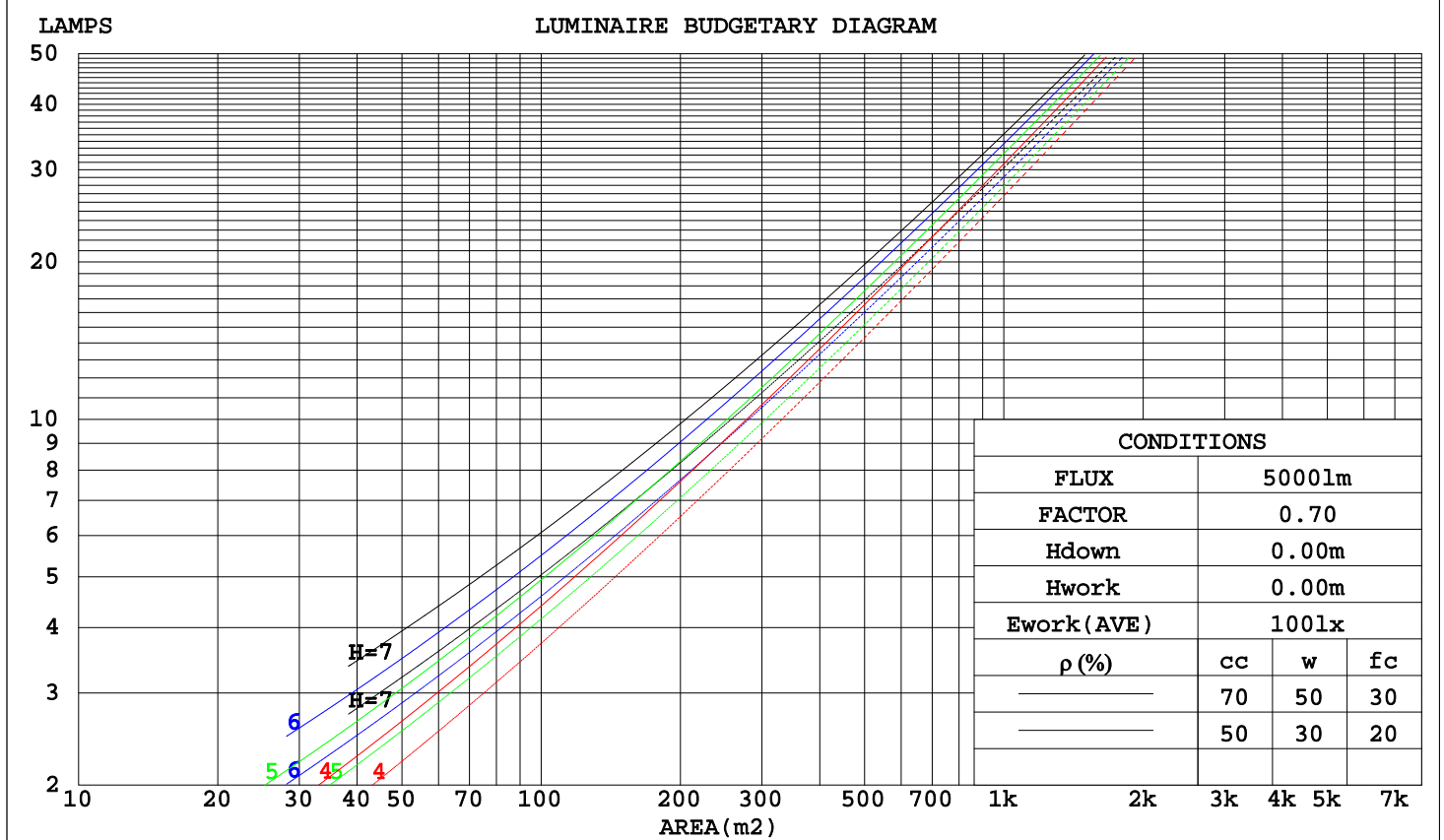
Test Set: 10.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:1.000 m  
 Remarks:

## 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:07-14-2023

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.:			

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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.257	.146	.046	.250	.143	.045	.236	.136	.043	.224	.129	.041	.213	.123	.040	
2.0	.246	.135	.041	.240	.132	.041	.228	.127	.039	.217	.122	.038	.207	.117	.037	
3.0	.231	.123	.037	.226	.121	.036	.215	.117	.035	.206	.113	.035	.197	.109	.034	
4.0	.217	.113	.033	.212	.111	.033	.203	.108	.032	.194	.104	.031	.186	.101	.031	
5.0	.203	.103	.030	.199	.102	.030	.191	.099	.029	.183	.097	.029	.176	.094	.028	
6.0	.191	.096	.027	.187	.094	.027	.180	.092	.027	.173	.090	.026	.167	.088	.026	
7.0	.179	.089	.025	.176	.088	.025	.169	.086	.025	.163	.084	.024	.158	.082	.024	
8.0	.169	.083	.023	.166	.082	.023	.160	.080	.023	.155	.078	.023	.150	.077	.022	
9.0	.160	.077	.022	.157	.076	.021	.152	.075	.021	.147	.074	.021	.142	.072	.021	
10.0	.151	.072	.020	.149	.072	.020	.144	.071	.020	.139	.069	.020	.135	.068	.020	

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.184	.164	.146	.157	.141	.125	.108	.097	.087	.062	.056	.050	.020	.018	.016	
2.0	.173	.139	.111	.148	.120	.096	.102	.083	.067	.059	.048	.039	.019	.016	.013	
3.0	.164	.121	.087	.141	.105	.075	.097	.073	.053	.056	.042	.031	.018	.014	.010	
4.0	.156	.108	.070	.134	.093	.061	.092	.065	.043	.053	.038	.025	.017	.012	.008	
5.0	.149	.097	.058	.128	.084	.051	.088	.058	.036	.051	.034	.021	.016	.011	.007	
6.0	.142	.088	.050	.122	.076	.043	.084	.053	.031	.049	.031	.018	.016	.010	.006	
7.0	.135	.081	.043	.116	.070	.038	.080	.049	.027	.047	.029	.016	.015	.010	.005	
8.0	.129	.075	.038	.111	.065	.033	.077	.046	.024	.045	.027	.014	.015	.009	.005	
9.0	.124	.070	.034	.107	.061	.030	.074	.043	.021	.043	.025	.013	.014	.008	.004	
10.0	.119	.066	.031	.102	.057	.027	.071	.040	.019	.041	.024	.012	.013	.008	.004	

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-14-2023

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	10.0	11.3	10.3	11.5	11.7	9.6	10.9	9.9	11.1	11.3	
	3H	11.3	12.5	11.6	12.8	13.0	9.9	11.2	10.2	11.4	
	4H	11.9	13.0	12.2	13.3	13.6	10.2	11.3	10.5	11.6	
	6H	12.2	13.2	12.5	13.5	13.8	10.4	11.5	10.7	11.7	
	8H	12.2	13.3	12.6	13.6	13.9	10.4	11.4	10.7	11.7	
	12H	12.2	13.2	12.6	13.5	13.9	10.4	11.4	10.7	11.7	
4H	2H	10.2	11.4	10.5	11.6	11.9	9.9	11.0	10.2	11.3	
	3H	11.8	12.8	12.1	13.1	13.4	10.5	11.5	10.8	11.8	
	4H	12.5	13.4	12.9	13.7	14.1	10.9	11.8	11.2	12.1	
	6H	12.9	13.7	13.3	14.0	14.4	11.2	12.0	11.6	12.3	
	8H	13.0	13.7	13.4	14.1	14.5	11.2	12.0	11.6	12.3	
	12H	13.0	13.7	13.4	14.1	14.5	11.2	11.9	11.7	12.3	
8H	4H	12.6	13.3	13.0	13.7	14.1	11.1	11.9	11.5	12.2	
	6H	13.1	13.7	13.5	14.1	14.5	11.5	12.2	12.0	12.6	
	8H	13.2	13.7	13.7	14.2	14.7	11.6	12.2	12.1	12.6	
	12H	13.3	13.8	13.8	14.2	14.7	11.7	12.2	12.2	12.6	
12H	4H	12.6	13.2	13.0	13.6	14.1	11.1	11.8	11.6	12.2	
	6H	13.1	13.6	13.5	14.0	14.5	11.6	12.1	12.0	12.6	
	8H	13.2	13.7	13.7	14.2	14.6	11.7	12.2	12.2	12.6	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.4 / - 0.4					+ 0.7 / - 0.8					
1.5H	+ 0.2 / - 0.4					+ 0.4 / - 0.6					
2.0H	+ 0.8 / - 0.6					+ 1.7 / - 1.8					

CIE Pub.117 Corrected 208.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.4)

Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-14-2023

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) x RCR = 5									
k = 0.60	66	56	50	65	56	50	64	55	49	44
0.80	76	66	60	75	65	59	73	65	59	53
1.00	84	74	68	82	74	68	80	74	67	61
1.25	90	81	75	89	81	75	86	79	74	68
1.50	94	86	80	93	85	80	90	84	79	72
2.00	100	93	88	98	92	87	95	89	85	78
2.50	103	97	92	101	95	91	97	92	89	81
3.00	106	100	95	103	98	94	100	95	92	84
4.00	109	104	100	106	102	99	102	99	96	88
5.00	111	107	103	108	105	102	104	101	98	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

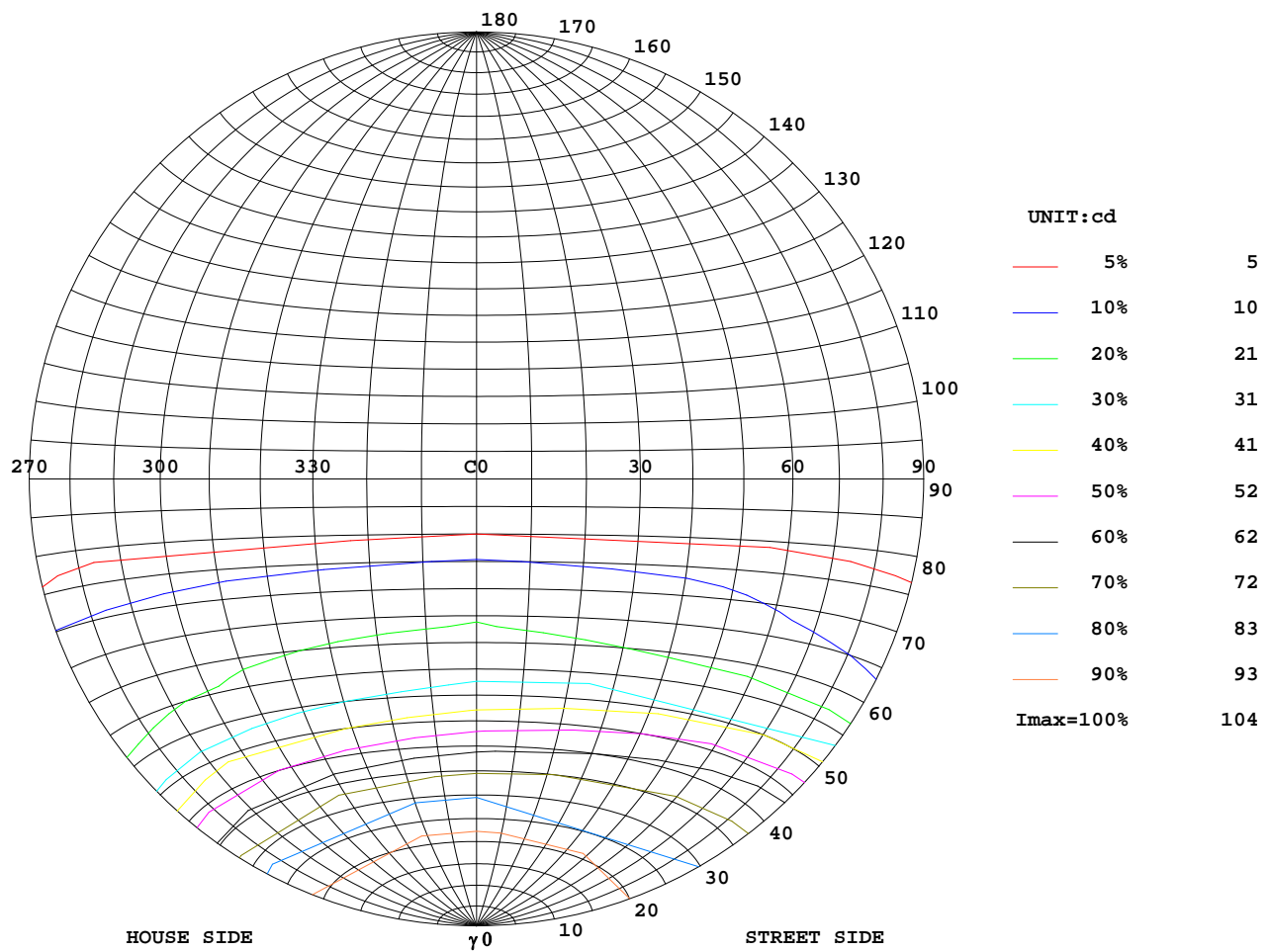
Test System:HOPPO HP880D  
 Temperature:25.3DEG  
 Operators:  
 Test Date:07-14-2023

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:07-14-2023

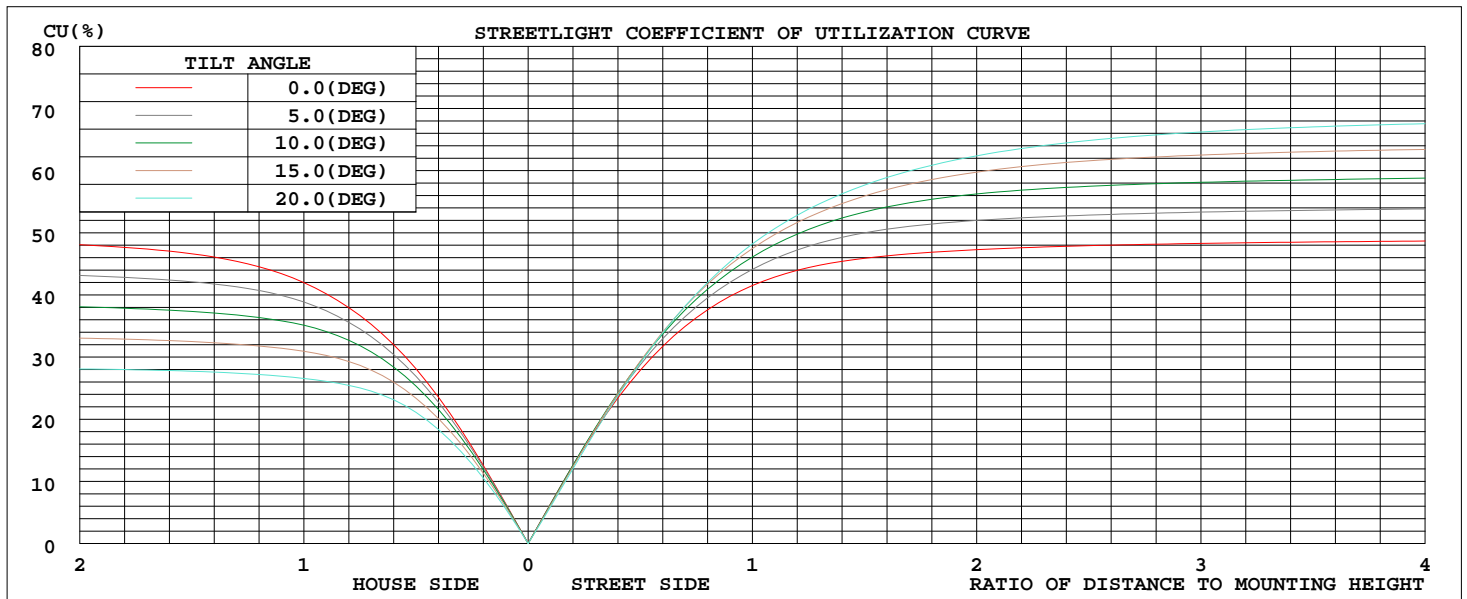
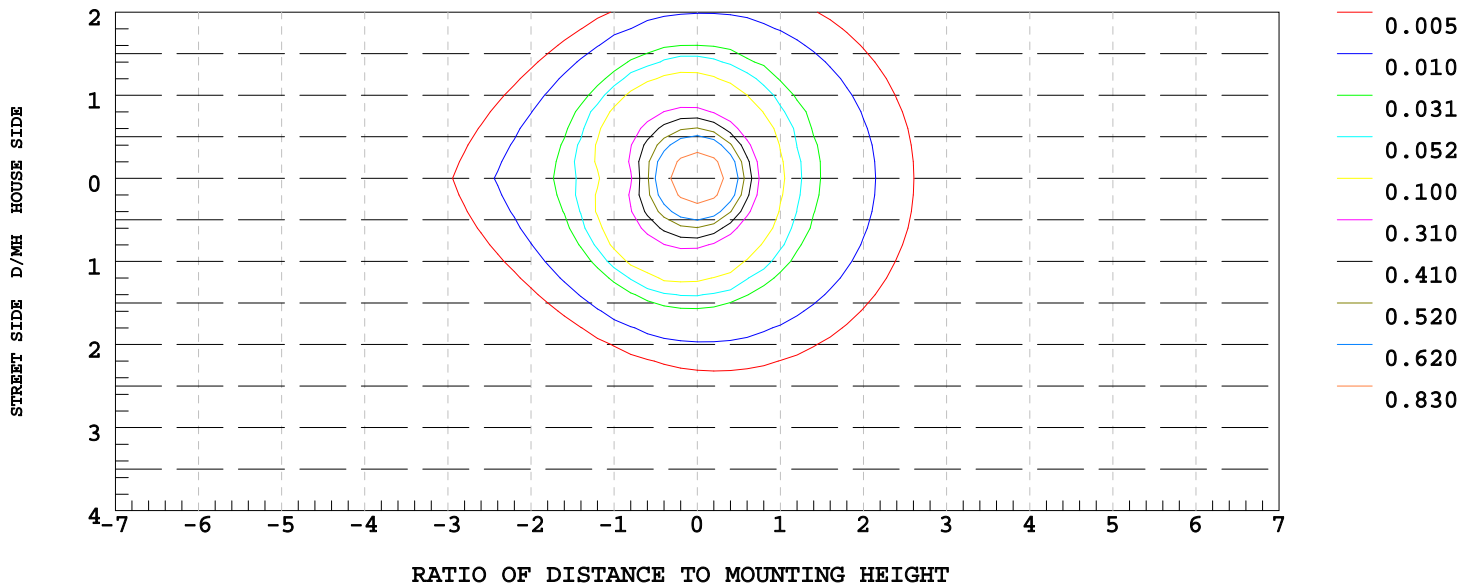
Test Set: 10.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:1.000 m  
Remarks:

## ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m,Enadir = 1.04 lx



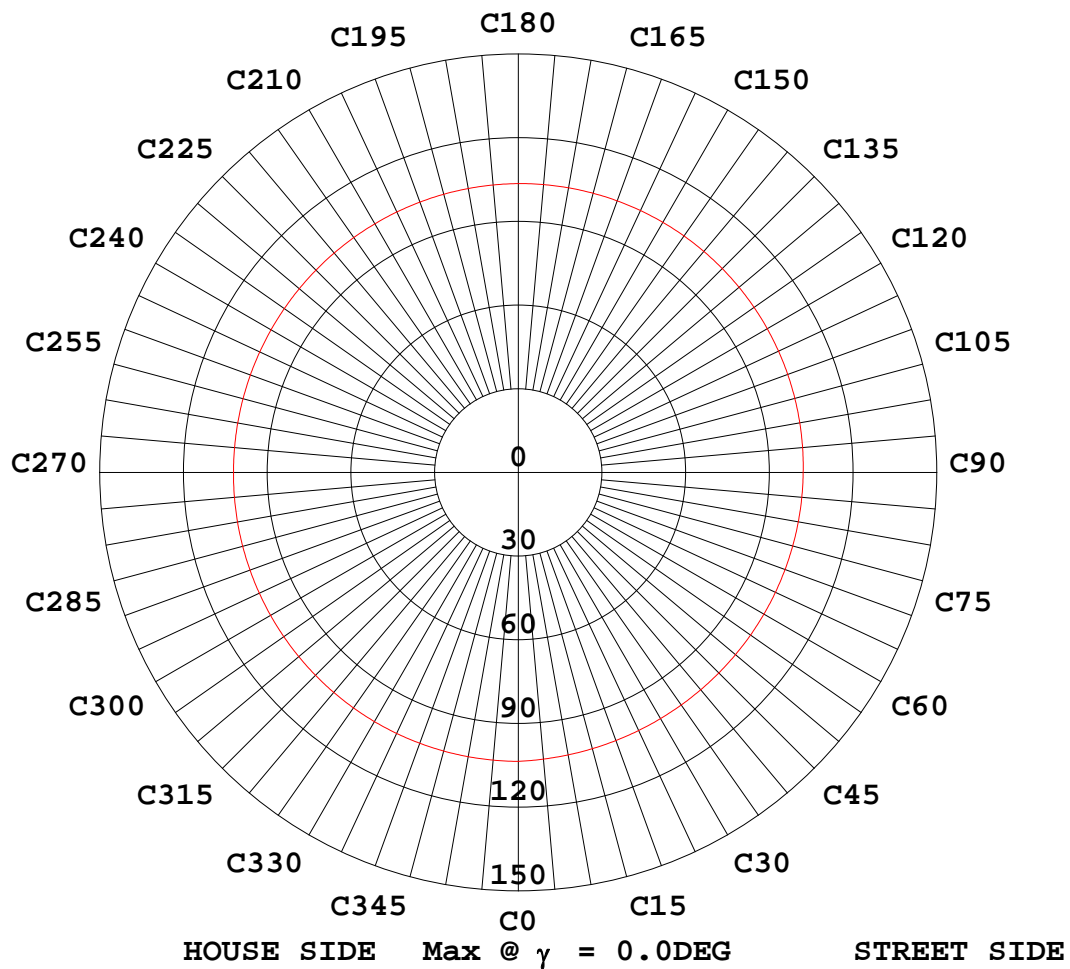
Test System:HOPPO HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:07-14-2023

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:07-14-2023

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	104	102	104	102
5.0	103	101	103	102
10.0	101	99.5	101	100
15.0	98.9	96.8	98.3	97.8
20.0	95.4	93.1	94.8	94.5
25.0	89.8	88.2	88.0	90.0
30.0	81.9	82.5	77.5	84.4
35.0	71.3	76.0	63.3	77.6
40.0	58.6	68.7	47.1	69.5
45.0	46.1	58.6	32.5	60.5
50.0	35.2	43.1	22.5	46.3
55.0	28.4	25.4	17.9	30.4
60.0	24.2	13.8	15.4	16.3
65.0	20.0	9.25	13.1	9.23
70.0	16.5	6.79	10.5	6.32
75.0	10.8	5.72	5.69	5.33
80.0	5.17	3.06	2.53	4.00
85.0	1.80	1.12	1.03	1.81
90.0	1.20	0.13	0.17	0.91
95.0	0.49	0.04	0.06	0.20
100.0	0.36	0.05	0.09	0.14
105.0	0.29	0.08	0.13	0.14
110.0	0.20	0.11	0.17	0.14
115.0	0.18	0.18	0.21	0.18
120.0	0.21	0.27	0.26	0.22
125.0	0.24	0.37	0.31	0.30
130.0	0.30	0.45	0.37	0.39
135.0	0.38	0.51	0.44	0.47
140.0	0.45	0.54	0.48	0.51
145.0	0.51	0.55	0.50	0.51
150.0	0.52	0.51	0.49	0.50
155.0	0.50	0.46	0.45	0.47
160.0	0.45	0.39	0.40	0.43
165.0	0.39	0.32	0.35	0.37
170.0	0.33	0.27	0.31	0.32
175.0	0.29	0.25	0.29	0.27
180.0	0.29	0.25	0.29	0.25

Test System:HOPPO HP880D  
Temperature:25.3DEG  
Operators:  
Test Date:07-14-2023

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