

# LUMINAIRE PHOTOMETRIC TEST REPORT

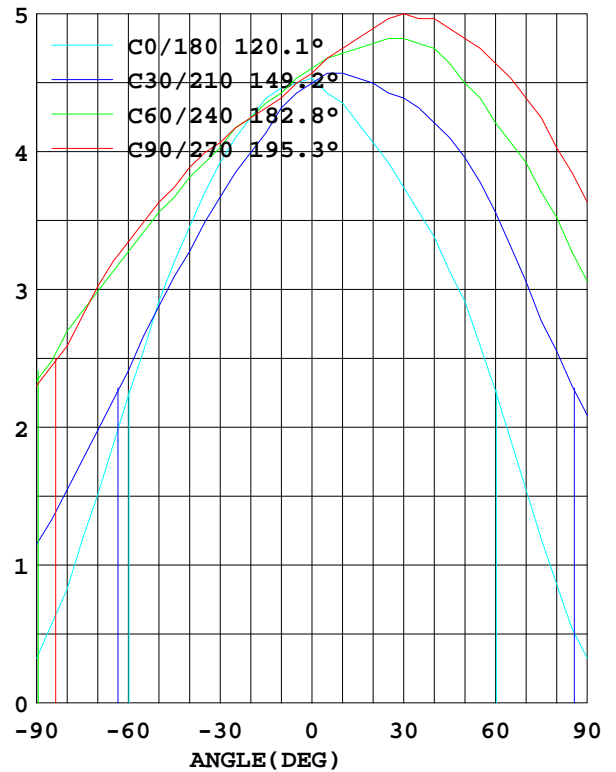
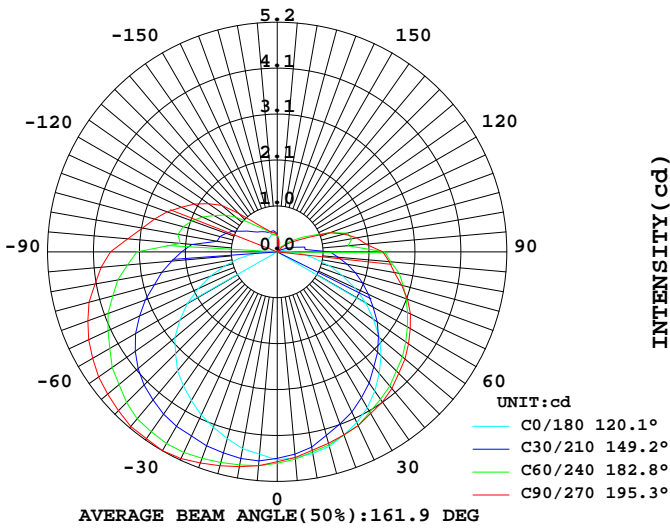
Report number:

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

DATA OF LAMP		Imax(cd)	5.172	S/MH(C0/180)	1.29
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.35
NOMINAL POWER(W)	4	TOTAL FLUX(lm)	26.091	Voltage(V)	24.20
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	7.1	Current(A)	0.152
NOMINAL FLUX(lm)	26.1	$\eta$ up(%)	19.7	Power(W)	3.700
LAMPS QUANTITY	1	$\eta$ down(%)	80.3	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.2	Effective Flux(lm)	12.6	EEL	0.988

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

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## Color Temperature Data List

Report number:

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

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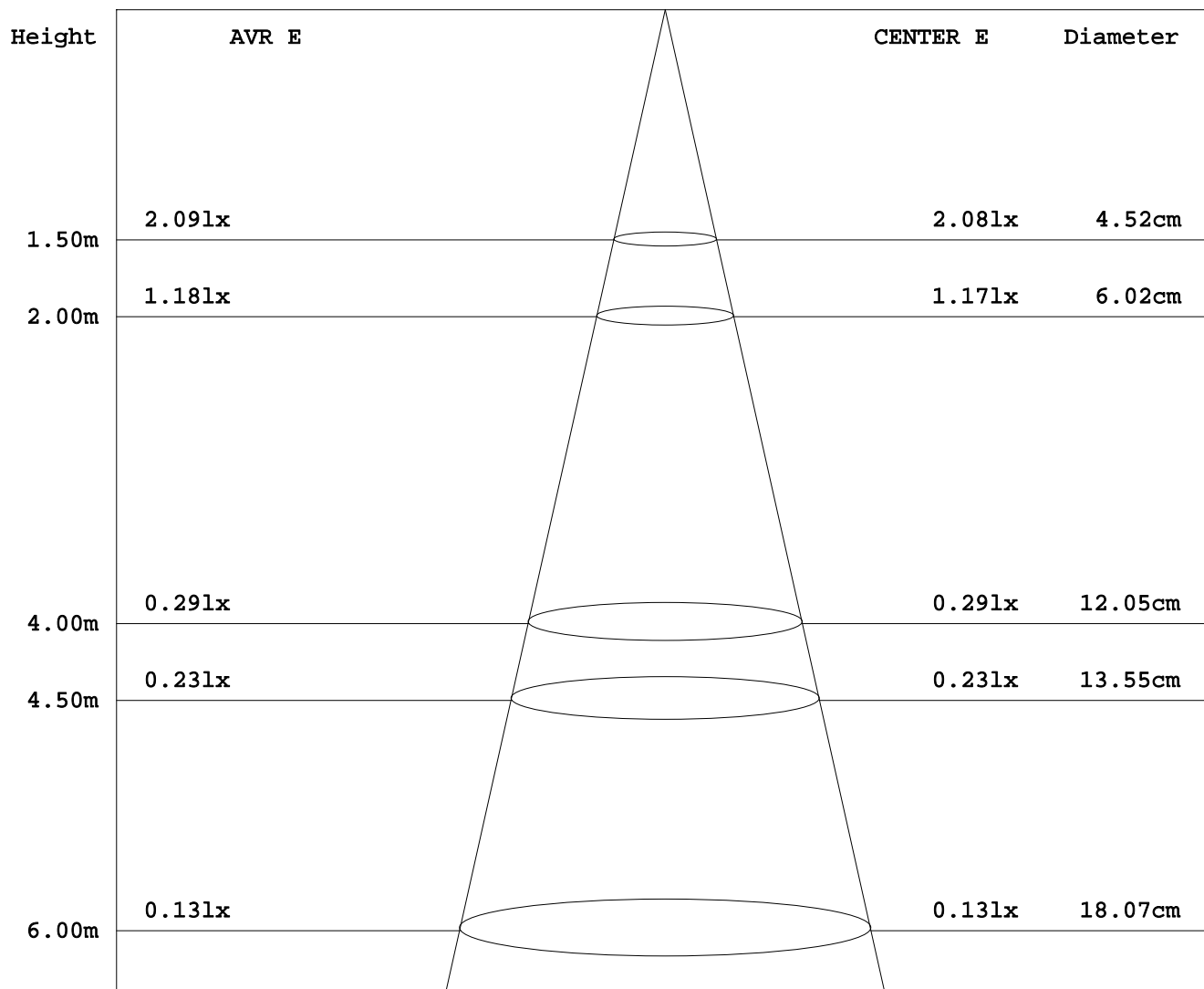
Test System:HOPOO HPG1800  
Temperature:25.3DEG  
Operators:  
Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:6.100 m  
Remarks:

## AVERAGE AND CENTER E Figure

Report number:

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



Angle:1.7deg

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

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

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	4.614	4.521	4.539	4.521	4.502	4.800	4.911	4.744	0- 10	0.446	0.446
20.0	4.390	4.260	4.390	4.297	4.204	4.800	5.060	4.669	10- 20	1.296	1.742
30.0	4.055	3.981	4.204	4.018	3.869	4.762	5.172	4.558	20- 30	2.046	3.788
40.0	3.572	3.665	4.018	3.702	3.497	4.632	5.134	4.316	30- 40	2.637	6.426
50.0	3.014	3.330	3.758	3.330	3.014	4.372	4.986	4.018	40- 50	3.023	9.449
60.0	2.307	2.939	3.460	2.939	2.344	4.018	4.800	3.683	50- 60	3.177	12.62
70.0	1.562	2.567	3.125	2.511	1.600	3.609	4.539	3.311	60- 70	3.096	15.72
80.0	0.856	2.195	2.679	2.083	0.893	3.144	4.167	2.865	70- 80	2.816	18.54
90.0	0.335	1.804	2.381	1.711	0.335	2.660	3.758	2.400	80- 90	2.410	20.95
100.0	0.149	1.172	1.823	1.190	0.074	1.823	3.088	1.562	90-100	1.760	22.71
110.0	0.112	0.763	1.265	0.967	0.149	1.637	2.641	1.097	100-110	1.318	24.03
120.0	0.112	0.372	0.521	0.670	0.223	1.283	2.158	0.447	110-120	0.891	24.92
130.0	0.074	0.205	0.260	0.353	0.260	0.967	1.637	0.223	120-130	0.532	25.45
140.0	0.074	0.093	0.037	0.186	0.335	0.688	0.930	0.112	130-140	0.294	25.74
150.0	0.074	0.074	0.037	0.093	0.372	0.558	0.633	0.056	140-150	0.160	25.90
160.0	0.074	0.112	0.037	0.074	0.409	0.465	0.484	0.074	150-160	0.097	26.00
170.0	0.223	0.223	0.186	0.074	0.409	0.447	0.447	0.112	160-170	0.062	26.06
180.0	0.372	0.372	0.335	0.056	0.372	0.391	0.372	0.112	170-180	0.025	26.09
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

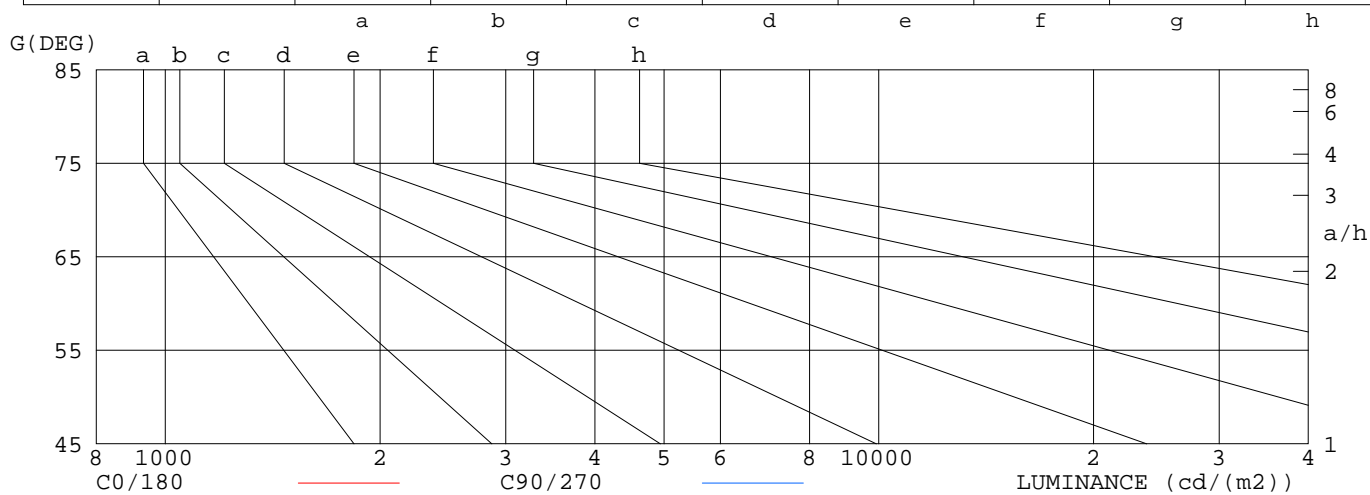
## LUMINANCE LIMITATION CURVES

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME:</b>		<b>TYPE:</b>	
<b>SPECIFICATION:</b>	<b>CCT(K): 0</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

### LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	68	290
80	49	154
75	47	112
70	46	91
65	46	78
60	46	69
55	46	63
50	47	58
45	47	55

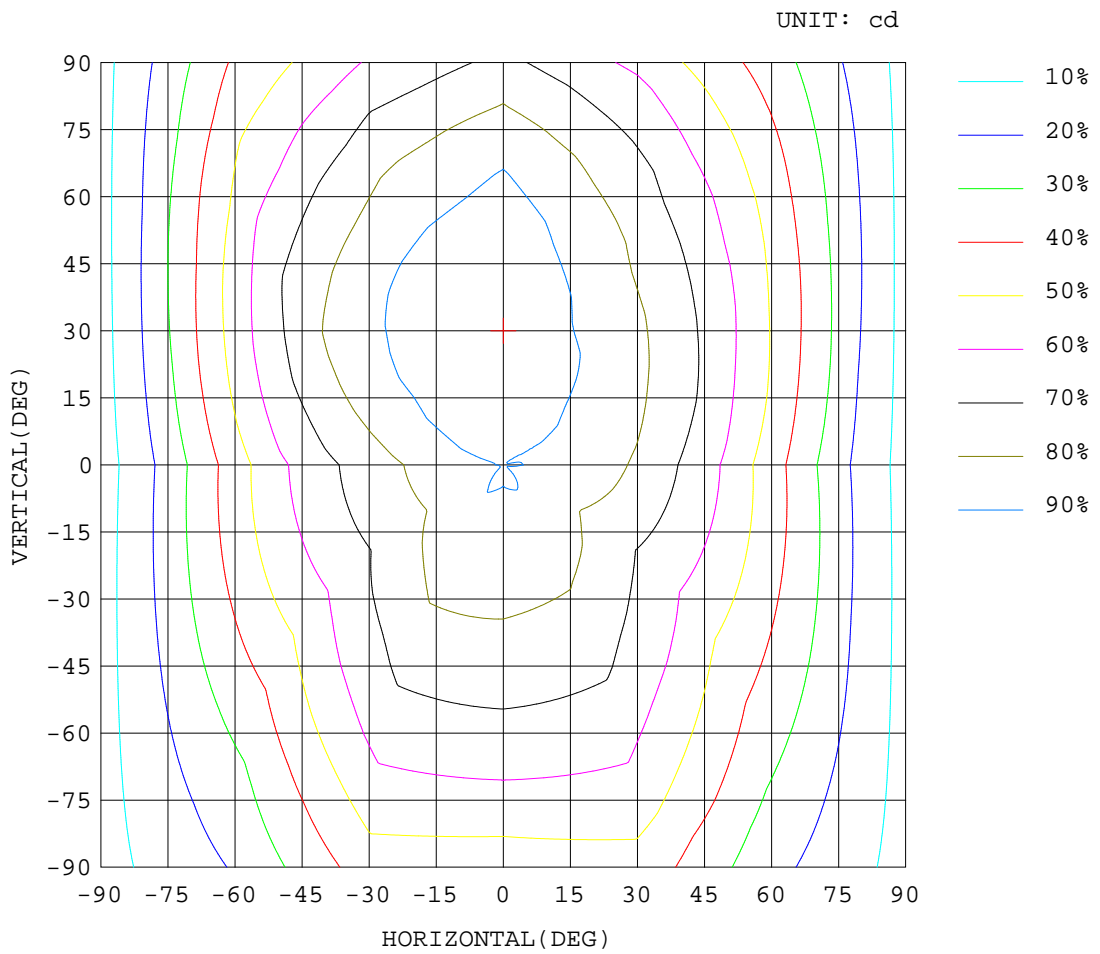
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

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



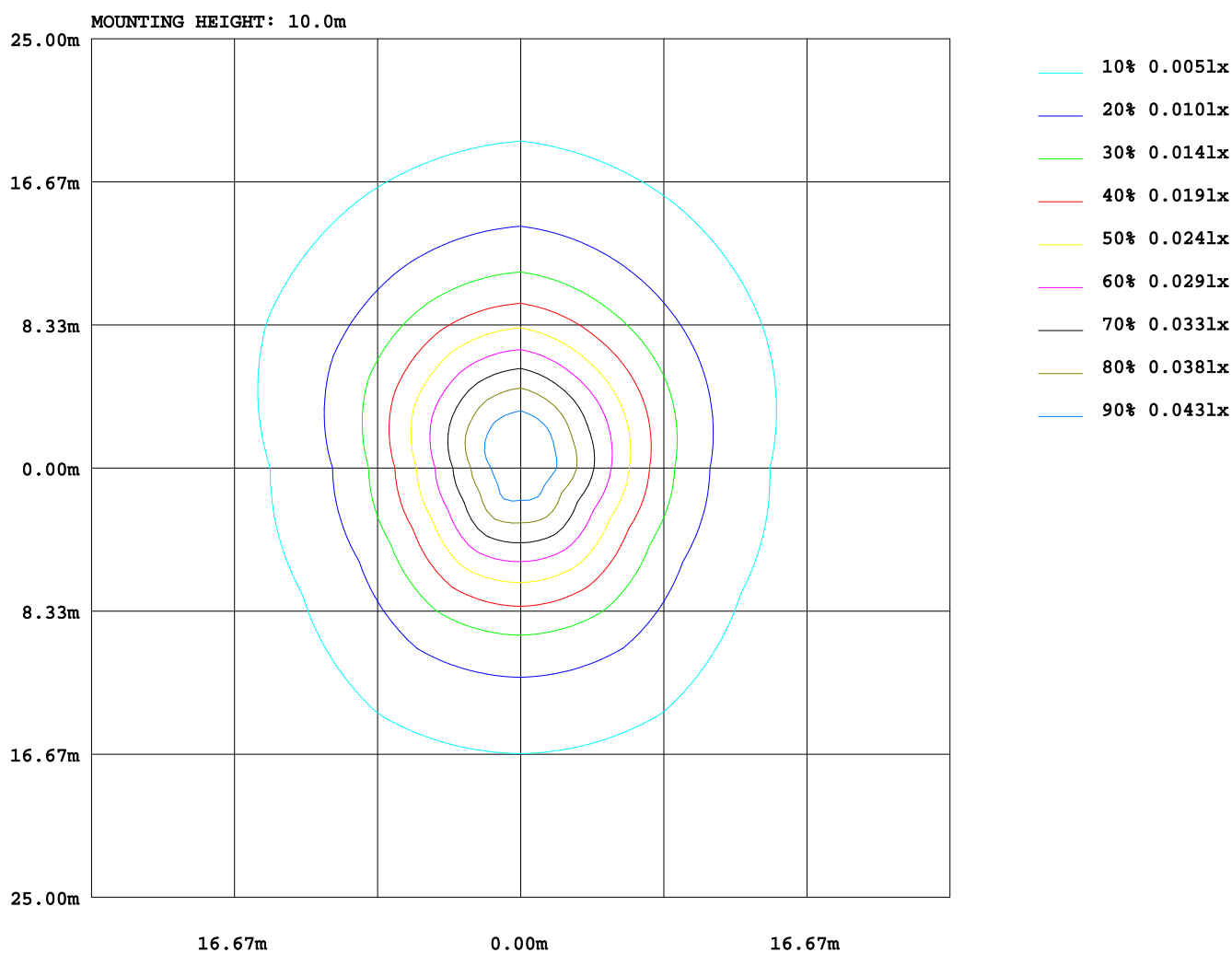
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 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:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

# AREA LUMINOUS FLUX

Report number:

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

AREA FLUX DIAGRAM																				UNIT:lm		Φ t	Φ a
90	0.00	0.01	0.03	0.04	0.06	0.08	0.10	0.11	0.12	0.12	0.11	0.09	0.07	0.06	0.04	0.02	0.01	0.00	1.05	0.98			
80	0.00	0.01	0.03	0.05	0.07	0.09	0.11	0.12	0.13	0.13	0.12	0.10	0.08	0.06	0.04	0.02	0.01	0.00	1.16	1.08			
70	0.00	0.01	0.03	0.05	0.07	0.10	0.11	0.13	0.14	0.14	0.13	0.11	0.09	0.07	0.05	0.03	0.01	0.00	1.25	1.17			
60	0.00	0.01	0.03	0.05	0.08	0.10	0.12	0.14	0.15	0.14	0.13	0.11	0.09	0.07	0.05	0.03	0.01	0.00	1.32	1.23			
50	0.00	0.01	0.03	0.06	0.08	0.11	0.13	0.14	0.15	0.15	0.13	0.12	0.10	0.07	0.05	0.03	0.01	0.00	1.37	1.28			
40	0.00	0.01	0.03	0.06	0.08	0.11	0.13	0.15	0.15	0.15	0.14	0.12	0.10	0.08	0.05	0.03	0.01	0.00	1.39	1.31			
30	0.00	0.01	0.03	0.06	0.08	0.11	0.13	0.14	0.15	0.15	0.14	0.12	0.10	0.08	0.05	0.03	0.01	0.00	1.39	1.31			
	0.00	0.01	0.03	0.05	0.08	0.10	0.12	0.14	0.15	0.15	0.14	0.12	0.10	0.08	0.05	0.03	0.01	0.00	1.36	1.28			
	0.00	0.01	0.03	0.05	0.07	0.10	0.12	0.13	0.14	0.14	0.13	0.12	0.10	0.07	0.05	0.03	0.01	0.00	1.30	1.22			
	0.00	0.01	0.03	0.05	0.07	0.09	0.11	0.13	0.14	0.14	0.13	0.11	0.09	0.07	0.05	0.03	0.01	0.00	1.24	1.17			
	0.00	0.01	0.03	0.05	0.07	0.09	0.11	0.12	0.14	0.14	0.12	0.11	0.09	0.07	0.05	0.03	0.01	0.00	1.21	1.13			
-30	0.00	0.01	0.02	0.04	0.06	0.08	0.11	0.12	0.13	0.13	0.12	0.10	0.08	0.06	0.04	0.02	0.01	0.00	1.17	1.09			
-40	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.12	0.12	0.12	0.12	0.10	0.08	0.06	0.04	0.02	0.01	0.00	1.12	1.05			
-50	0.00	0.01	0.02	0.04	0.06	0.08	0.10	0.11	0.12	0.12	0.11	0.10	0.08	0.06	0.04	0.02	0.01	0.00	1.06	1.00			
-60	0.00	0.01	0.02	0.03	0.05	0.08	0.09	0.10	0.11	0.11	0.10	0.09	0.07	0.05	0.04	0.02	0.01	0.00	1.00	0.94			
-70	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.10	0.10	0.10	0.10	0.09	0.07	0.05	0.03	0.02	0.01	0.00	0.92	0.87			
-80	0.00	0.01	0.02	0.03	0.04	0.06	0.08	0.08	0.09	0.09	0.09	0.08	0.07	0.05	0.03	0.02	0.01	0.00	0.83	0.78			
-90	0.00	0.01	0.01	0.02	0.04	0.06	0.07	0.07	0.08	0.08	0.07	0.07	0.06	0.04	0.03	0.01	0.01	0.00	0.73	0.69			
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL( DEG )				20	30	40	50	60	70	80	90			
Φ t	0.03	0.18	0.45	0.79	1.18	1.57	1.91	2.16	2.30	2.28	2.12	1.87	1.52	1.14	0.76	0.43	0.18	0.03	26				
Φ a	0.00	0.00	0.00	0.79	1.18	1.57	1.91	2.16	2.30	2.28	2.12	1.87	1.52	1.14	0.76	0.00	0.00	0.00		13			

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

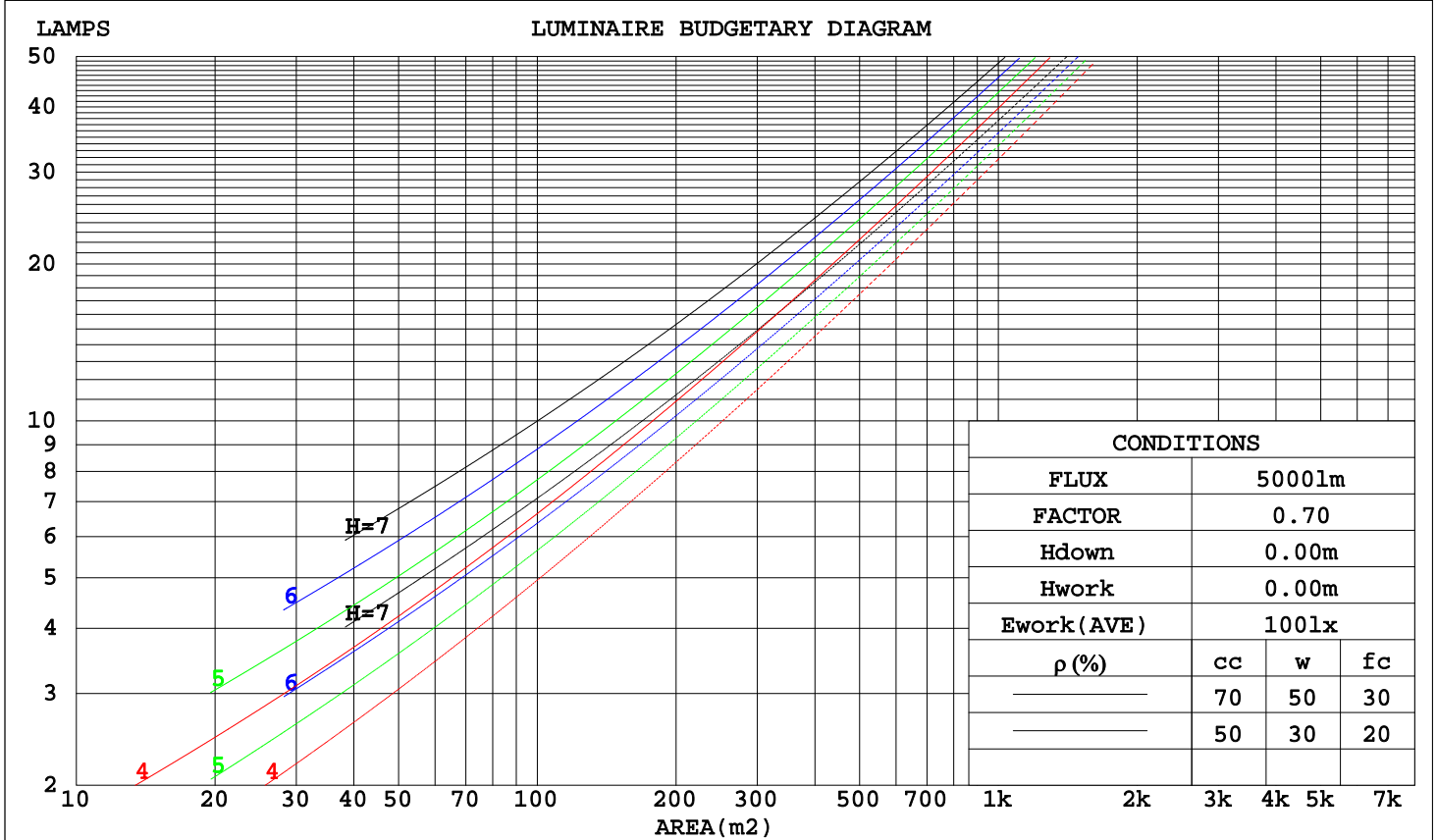
Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

## 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						Coefficients of Utilization(CU)									
0.0	1.14	1.14	1.14	1.09	1.09	1.09	1.00	1.00	1.00	.92	.92	.92	.84	.84	.84	.80
1.0	.94	.88	.83	.89	.84	.80	.81	.77	.73	.74	.71	.68	.67	.65	.62	.59
2.0	.80	.71	.64	.76	.68	.62	.69	.63	.58	.63	.58	.53	.57	.53	.49	.46
3.0	.69	.59	.52	.65	.57	.50	.60	.52	.47	.54	.48	.43	.49	.44	.40	.37
4.0	.60	.50	.43	.57	.48	.41	.52	.45	.39	.47	.41	.36	.43	.38	.33	.30
5.0	.53	.43	.36	.51	.42	.35	.46	.39	.33	.42	.36	.31	.38	.33	.28	.26
6.0	.47	.38	.31	.45	.36	.30	.41	.34	.28	.38	.31	.26	.35	.29	.25	.22
7.0	.43	.33	.27	.41	.32	.26	.37	.30	.25	.34	.28	.23	.31	.26	.22	.19
8.0	.39	.30	.24	.37	.29	.23	.34	.27	.22	.31	.25	.20	.29	.23	.19	.17
9.0	.35	.27	.21	.34	.26	.20	.31	.24	.19	.29	.23	.18	.26	.21	.17	.15
10.0	.32	.24	.19	.31	.23	.18	.29	.22	.17	.27	.21	.16	.25	.19	.15	.13



Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

## 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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.413	.235	.074	.400	.228	.072	.375	.215	.069	.352	.203	.065	.331	.192	.062	
2.0	.351	.192	.059	.339	.187	.057	.316	.176	.055	.295	.166	.052	.276	.156	.049	
3.0	.308	.164	.049	.297	.159	.048	.277	.150	.046	.258	.141	.043	.240	.133	.041	
4.0	.276	.143	.042	.266	.139	.041	.247	.131	.039	.230	.123	.037	.214	.116	.035	
5.0	.249	.127	.037	.240	.123	.036	.223	.116	.034	.208	.110	.033	.193	.103	.031	
6.0	.227	.114	.033	.219	.111	.032	.204	.104	.030	.189	.098	.029	.176	.093	.028	
7.0	.209	.103	.029	.202	.100	.029	.188	.095	.027	.174	.089	.026	.162	.084	.025	
8.0	.193	.094	.027	.187	.092	.026	.174	.087	.025	.161	.082	.024	.150	.077	.022	
9.0	.180	.087	.024	.174	.085	.024	.162	.080	.023	.150	.075	.022	.140	.071	.021	
10.0	.168	.081	.022	.162	.078	.022	.151	.074	.021	.141	.070	.020	.131	.066	.019	

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
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0																
1.0	.341	.341	.341	.291	.291	.291	.199	.199	.199	.114	.114	.114	.036	.036	.036	
2.0	.332	.284	.243	.285	.244	.210	.195	.169	.147	.113	.098	.086	.036	.032	.028	
3.0	.325	.268	.222	.279	.231	.193	.191	.160	.135	.111	.094	.080	.036	.030	.026	
4.0	.317	.255	.208	.272	.221	.181	.187	.154	.127	.108	.090	.075	.035	.029	.025	
5.0	.309	.246	.199	.266	.213	.173	.183	.149	.122	.106	.087	.072	.034	.028	.024	
6.0	.302	.238	.192	.259	.206	.167	.179	.144	.118	.104	.085	.070	.033	.028	.023	
7.0	.295	.231	.187	.253	.201	.163	.175	.141	.116	.102	.083	.069	.033	.027	.023	
8.0	.288	.226	.183	.248	.196	.160	.171	.138	.113	.100	.081	.068	.032	.027	.022	
9.0	.281	.221	.180	.242	.192	.157	.168	.135	.112	.098	.080	.067	.032	.026	.022	
10.0	.275	.217	.178	.237	.188	.155	.165	.133	.110	.096	.078	.066	.031	.026	.022	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

## 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		0.1	1.5	0.6	2.1	2.7	2.1	3.5	2.7	4.1	4.7
	3H	2.0	3.3	2.5	3.8	4.5	4.9	6.2	5.5	6.8	7.4
	4H	2.9	4.1	3.4	4.7	5.3	6.4	7.7	7.0	8.3	8.9
	6H	3.6	4.8	4.2	5.4	6.0	8.1	9.3	8.7	9.9	10.5
	8H	3.9	5.1	4.6	5.7	6.4	9.0	10.1	9.6	10.8	11.5
	12H	4.3	5.4	4.9	6.0	6.7	10.1	11.2	10.7	11.8	12.5
	4H 2H	1.3	2.5	1.9	3.1	3.8	2.8	4.0	3.3	4.6	5.2
	3H	3.4	4.4	4.0	5.1	5.8	5.9	6.9	6.5	7.6	8.3
	4H	4.4	5.4	5.0	6.0	6.8	7.6	8.6	8.3	9.3	10.0
	6H	5.3	6.2	6.0	6.9	7.7	9.5	10.4	10.2	11.0	11.8
	8H	5.8	6.6	6.5	7.3	8.1	10.5	11.4	11.2	12.0	12.8
	12H	6.2	7.0	6.9	7.7	8.5	11.7	12.5	12.4	13.2	14.0
	8H 4H	5.5	6.4	6.2	7.1	7.9	8.0	8.9	8.7	9.6	10.4
	6H	6.8	7.5	7.5	8.2	9.1	10.3	11.0	11.0	11.7	12.5
	8H	7.4	8.1	8.2	8.8	9.7	11.6	12.2	12.3	12.9	13.8
	12H	8.1	8.7	8.8	9.4	10.3	13.1	13.6	13.8	14.4	15.3
	12H 4H	5.9	6.7	6.6	7.4	8.2	8.1	8.9	8.8	9.6	10.4
	6H	7.4	8.1	8.1	8.8	9.6	10.4	11.1	11.2	11.8	12.7
	8H	8.2	8.8	8.9	9.5	10.4	11.8	12.4	12.6	13.1	14.0
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		+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 26.09 lm Total Lamp Luminous Flux. (8log(F/F0) = -12.7)

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 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	45	33	25	44	32	25	42	31	25	18
0.80	54	41	33	53	40	32	50	39	31	23
1.00	62	48	40	60	47	39	56	48	38	29
1.25	69	56	47	66	54	46	62	52	44	34
1.50	74	61	52	71	59	51	66	56	49	38
2.00	81	70	61	78	68	59	72	63	56	44
2.50	86	75	67	83	73	65	76	68	61	48
3.00	90	80	72	86	77	70	79	72	66	52
4.00	95	86	79	91	83	77	83	77	72	57
5.00	98	91	84	94	87	81	86	81	76	60
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

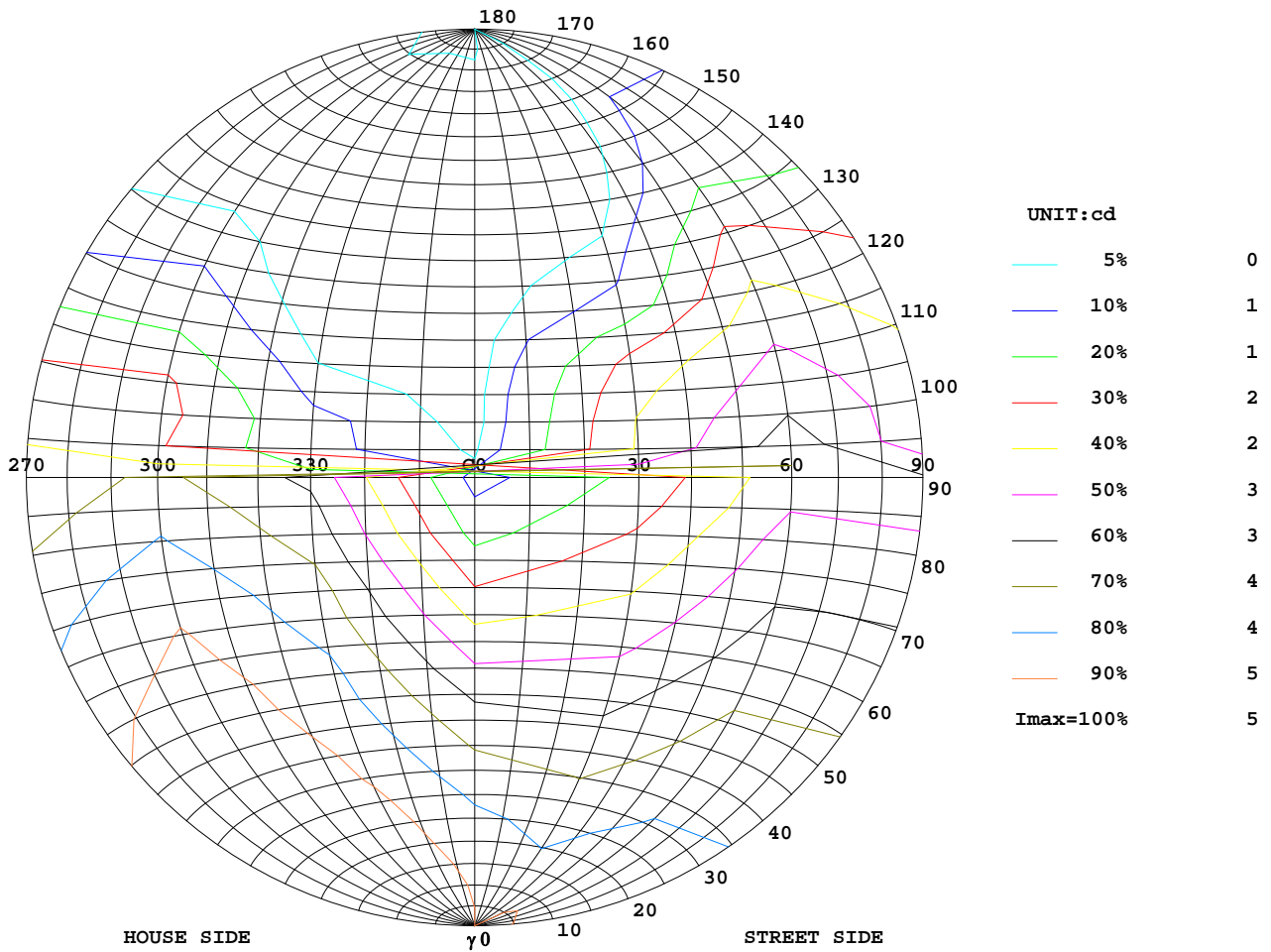
Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
 Operators:  
 Test Date:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 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:06-27-2025

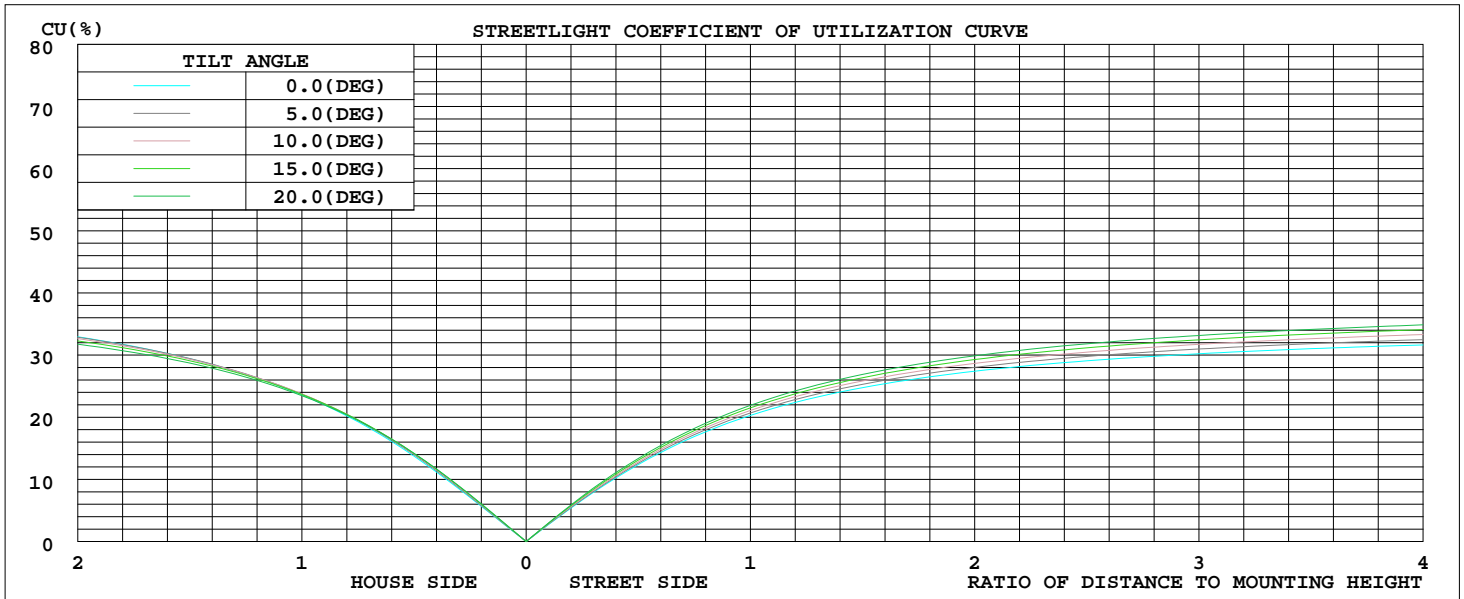
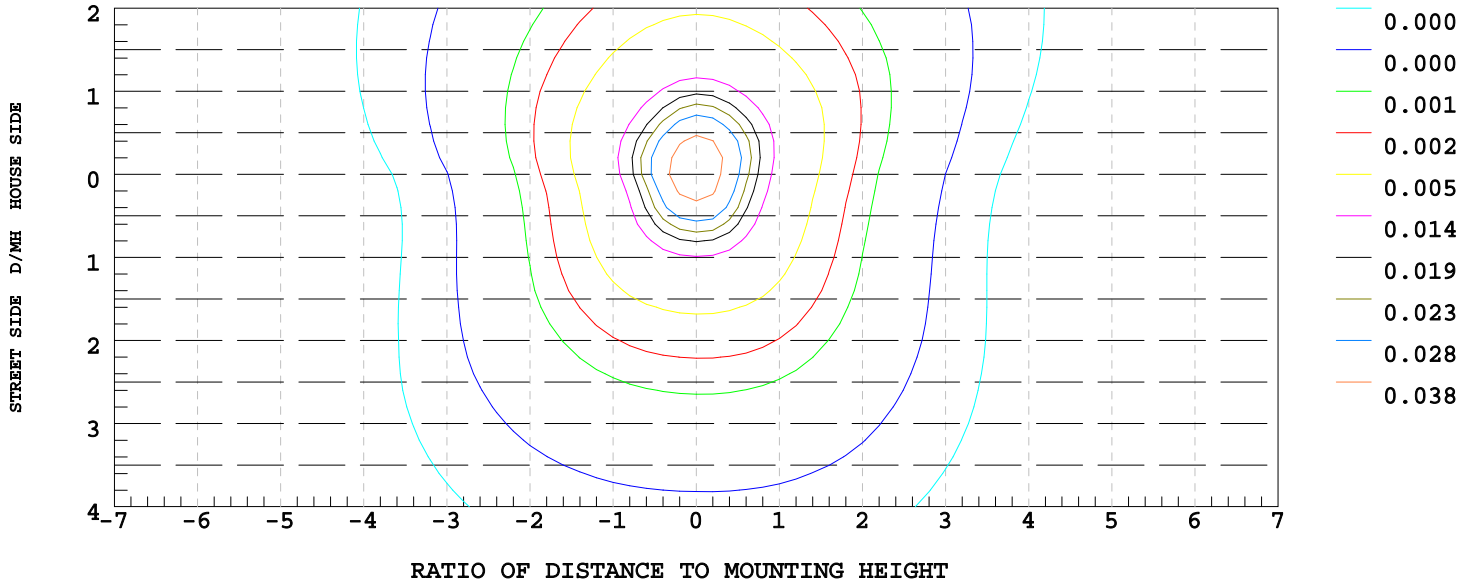
Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 0.05 lx



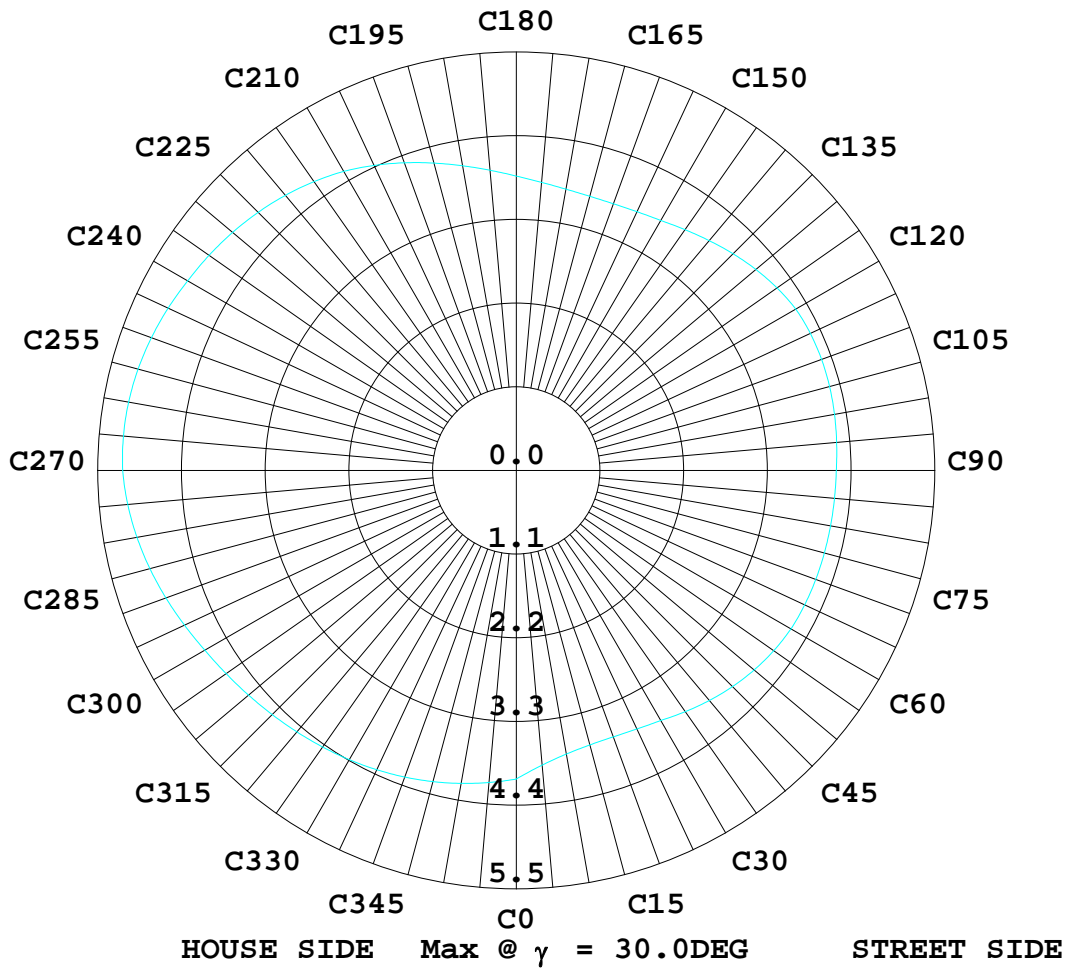
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 6.100 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:06-27-2025

Test Set: 7.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:6.100 m  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: cd

$\gamma$ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	4.68	4.65	4.76	4.72	4.76	4.61	4.68	4.65	4.76	4.72	4.76	4.61
5.0	4.65	4.57	4.68	4.65	4.68	4.53	4.57	4.72	4.83	4.83	4.80	4.65
10.0	4.61	4.46	4.57	4.53	4.61	4.42	4.50	4.72	4.87	4.91	4.83	4.65
15.0	4.53	4.27	4.50	4.46	4.53	4.27	4.35	4.68	4.91	4.98	4.83	4.61
20.0	4.39	4.13	4.39	4.39	4.46	4.13	4.20	4.65	4.94	5.06	4.83	4.50
25.0	4.24	3.98	4.31	4.31	4.35	3.98	4.05	4.57	4.98	5.13	4.80	4.42
30.0	4.05	3.79	4.16	4.20	4.24	3.79	3.86	4.53	4.98	5.17	4.72	4.39
35.0	3.83	3.60	4.05	4.13	4.13	3.60	3.68	4.46	4.94	5.13	4.61	4.24
40.0	3.57	3.38	3.94	4.01	3.98	3.42	3.49	4.35	4.91	5.13	4.53	4.09
45.0	3.31	3.20	3.79	3.86	3.83	3.20	3.23	4.24	4.80	5.06	4.42	3.94
50.0	3.01	2.97	3.68	3.75	3.72	2.93	3.01	4.09	4.65	4.98	4.31	3.72
55.0	2.64	2.75	3.53	3.60	3.57	2.71	2.67	3.90	4.53	4.91	4.24	3.49
60.0	2.30	2.49	3.38	3.46	3.42	2.45	2.34	3.68	4.35	4.80	4.09	3.27
65.0	1.93	2.26	3.23	3.31	3.27	2.19	1.97	3.42	4.20	4.68	3.94	3.01
70.0	1.56	2.04	3.08	3.12	3.08	1.93	1.60	3.16	4.05	4.53	3.83	2.79
75.0	1.22	1.82	2.93	2.90	2.90	1.67	1.22	2.86	3.83	4.39	3.60	2.53
80.0	0.86	1.60	2.79	2.67	2.71	1.45	0.89	2.64	3.64	4.16	3.42	2.30
85.0	0.60	1.37	2.56	2.53	2.53	1.26	0.56	2.38	3.38	3.98	3.23	2.04
90.0	0.33	1.19	2.41	2.38	2.34	1.07	0.33	2.15	3.16	3.75	2.97	1.82
95.0	0.22	0.63	1.60	2.00	1.78	0.82	0.19	1.93	2.19	3.38	2.12	1.52
100.0	0.15	0.63	1.71	1.82	1.71	0.67	0.07	1.37	2.26	3.08	2.08	1.04
105.0	0.15	0.41	1.63	1.56	1.60	0.56	0.11	1.33	2.19	2.86	1.93	0.67
110.0	0.11	0.26	1.26	1.26	1.48	0.45	0.15	1.22	2.04	2.64	1.71	0.48
115.0	0.11	0.15	0.89	0.78	1.30	0.30	0.19	1.11	1.86	2.38	1.26	0.33
120.0	0.11	0.07	0.67	0.52	1.11	0.22	0.22	0.93	1.63	2.15	0.71	0.19
125.0	0.11	0.04	0.48	0.37	0.78	0.19	0.26	0.82	1.45	1.89	0.48	0.15
130.0	0.07	0.04	0.37	0.26	0.56	0.15	0.26	0.71	1.22	1.63	0.33	0.11
135.0	0.07	0.04	0.22	0.15	0.37	0.11	0.30	0.63	0.97	1.22	0.22	0.11
140.0	0.07	0.04	0.15	0.04	0.26	0.11	0.33	0.60	0.78	0.93	0.11	0.11
145.0	0.07	0.04	0.15	0.04	0.19	0.04	0.33	0.56	0.67	0.74	0.07	0.07
150.0	0.07	0.04	0.11	0.04	0.15	0.04	0.37	0.52	0.60	0.63	0.04	0.07
155.0	0.07	0.04	0.11	0.04	0.11	0.04	0.37	0.48	0.52	0.56	0.04	0.07
160.0	0.07	0.07	0.15	0.04	0.11	0.04	0.41	0.48	0.45	0.48	0.04	0.11
165.0	0.11	0.11	0.22	0.04	0.11	0.07	0.41	0.48	0.41	0.45	0.04	0.15
170.0	0.22	0.19	0.26	0.19	0.07	0.07	0.41	0.48	0.41	0.45	0.04	0.19
175.0	0.30	0.30	0.33	0.30	0.07	0.11	0.41	0.45	0.37	0.41	0.04	0.19
180.0	0.37	0.37	0.37	0.33	0.07	0.04	0.37	0.41	0.37	0.37	0.04	0.19

Test System:HOPOO HPG1800  
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