

LUMINAIRE PHOTOMETRIC TEST REPORT

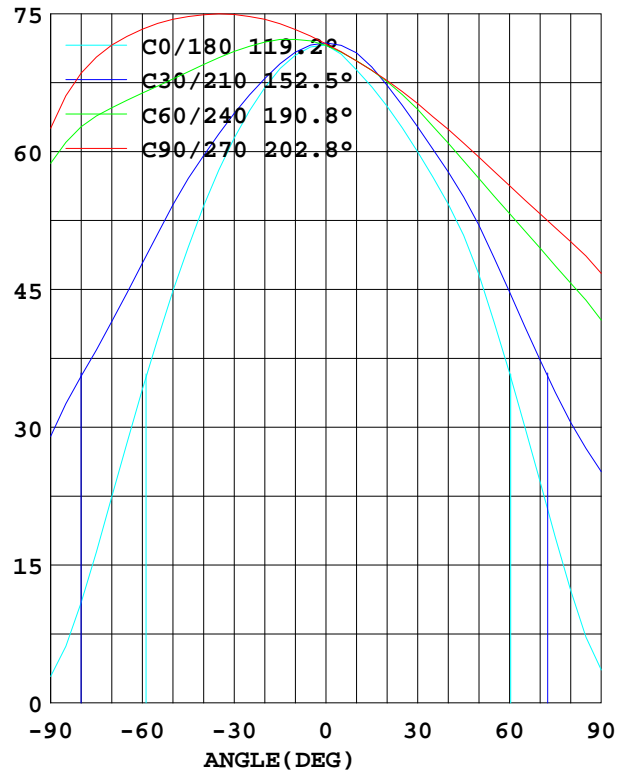
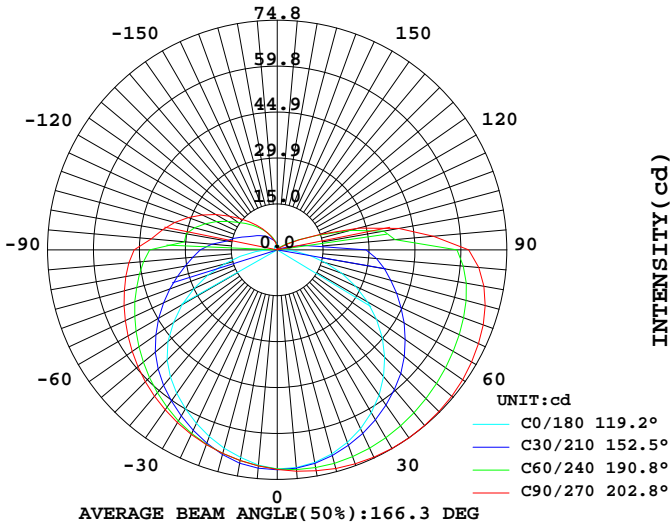
Report number:

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

DATA OF LAMP		Imax(cd)	74.75	S/MH(C0/180)	1.28
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.60
NOMINAL POWER(W)	10	TOTAL FLUX(lm)	389.79	Voltage(V)	24.46
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	39.0	Current(A)	0.408
NOMINAL FLUX(lm)	389.8	η up(%)	17.0	Power(W)	10.00
LAMPS QUANTITY	1	η down(%)	83.0	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.5	Effective Flux(lm)	190.6	EEL	0.465

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:

Color Temperature Data List

Report number:

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

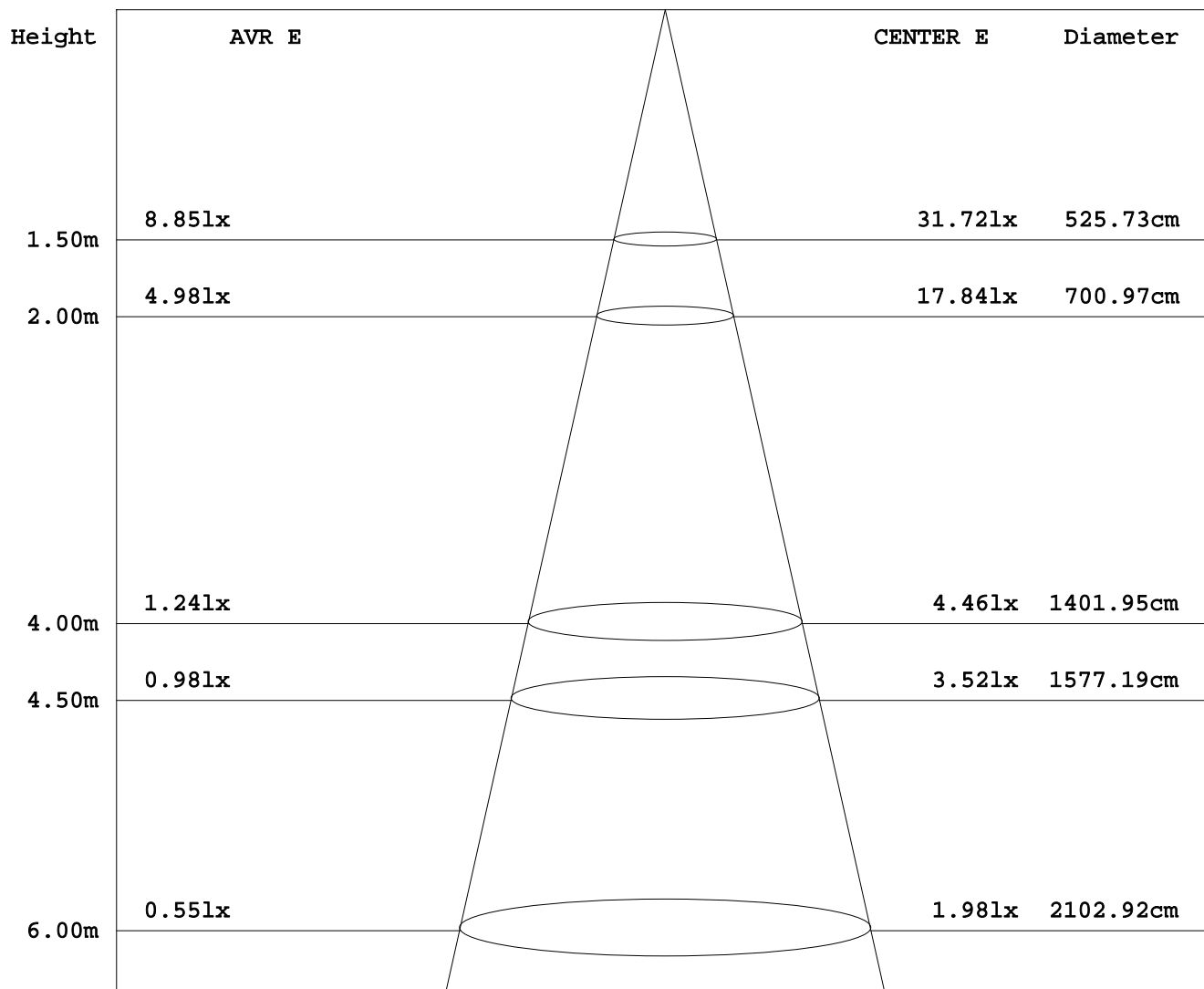
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-27-2025

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

AVERAGE AND CENTER E Figure

Report number:

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



Angle: 120.6deg

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:	
SPECIFICATION:		DIMENSION:	
CCT(K): 0		WEIGHT:	
		SERIAL No.:	

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	70.25	71.27	73.04	71.53	68.65	70.08	69.61	68.48	0- 10	6.757	6.757
20.0	66.71	69.69	74.15	70.58	64.70	67.18	67.49	64.80	10- 20	19.62	26.38
30.0	61.24	67.29	74.68	68.67	59.75	63.42	65.00	60.31	20- 30	30.80	57.18
40.0	53.88	64.29	74.64	65.86	54.10	59.16	62.21	55.29	30- 40	39.62	96.80
50.0	44.68	60.85	74.15	61.88	46.47	54.36	59.20	49.78	40- 50	45.58	142.3
60.0	34.00	56.93	73.08	57.11	35.83	48.85	56.11	43.94	50- 60	48.23	190.6
70.0	22.36	52.96	71.36	52.07	24.03	43.27	53.06	38.23	60- 70	47.79	238.4
80.0	10.90	48.98	68.31	47.03	12.24	37.99	50.04	33.20	70- 80	44.90	283.3
90.0	2.865	43.72	62.32	41.93	3.572	33.30	46.58	28.68	80- 90	40.29	323.6
100.0	0.781	21.84	40.22	25.95	0.521	23.46	37.91	17.15	90-100	28.21	351.8
110.0	0.707	7.758	14.92	14.69	0.744	18.60	30.77	10.60	100-110	18.02	369.8
120.0	0.633	2.623	3.944	5.246	0.967	13.84	23.07	6.530	110-120	9.539	379.4
130.0	0.595	1.004	0.893	1.097	1.190	10.36	15.96	3.609	120-130	5.000	384.4
140.0	0.595	0.614	0.409	0.614	1.339	7.683	10.53	1.637	130-140	2.705	387.1
150.0	0.595	0.521	0.335	0.521	1.488	5.469	6.474	0.540	140-150	1.485	388.5
160.0	0.595	0.484	0.335	0.484	1.562	3.758	3.572	0.428	150-160	0.757	389.3
170.0	0.930	0.484	0.335	0.465	1.600	2.548	1.823	0.409	160-170	0.338	389.6
180.0	1.823	1.711	1.041	0.447	1.562	1.804	0.781	0.409	170-180	0.101	389.7
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:

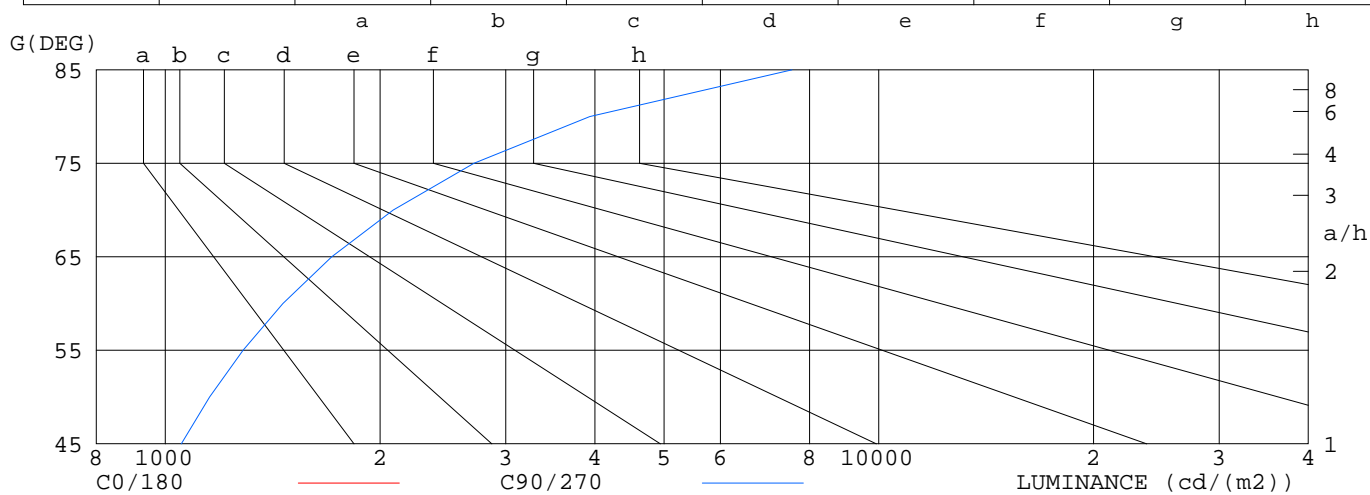
LUMINANCE LIMITATION CURVES

Report number:

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

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	704	7557
80	628	3934
75	633	2707
70	654	2087
65	667	1711
60	680	1462
55	688	1285
50	695	1154
45	699	1053

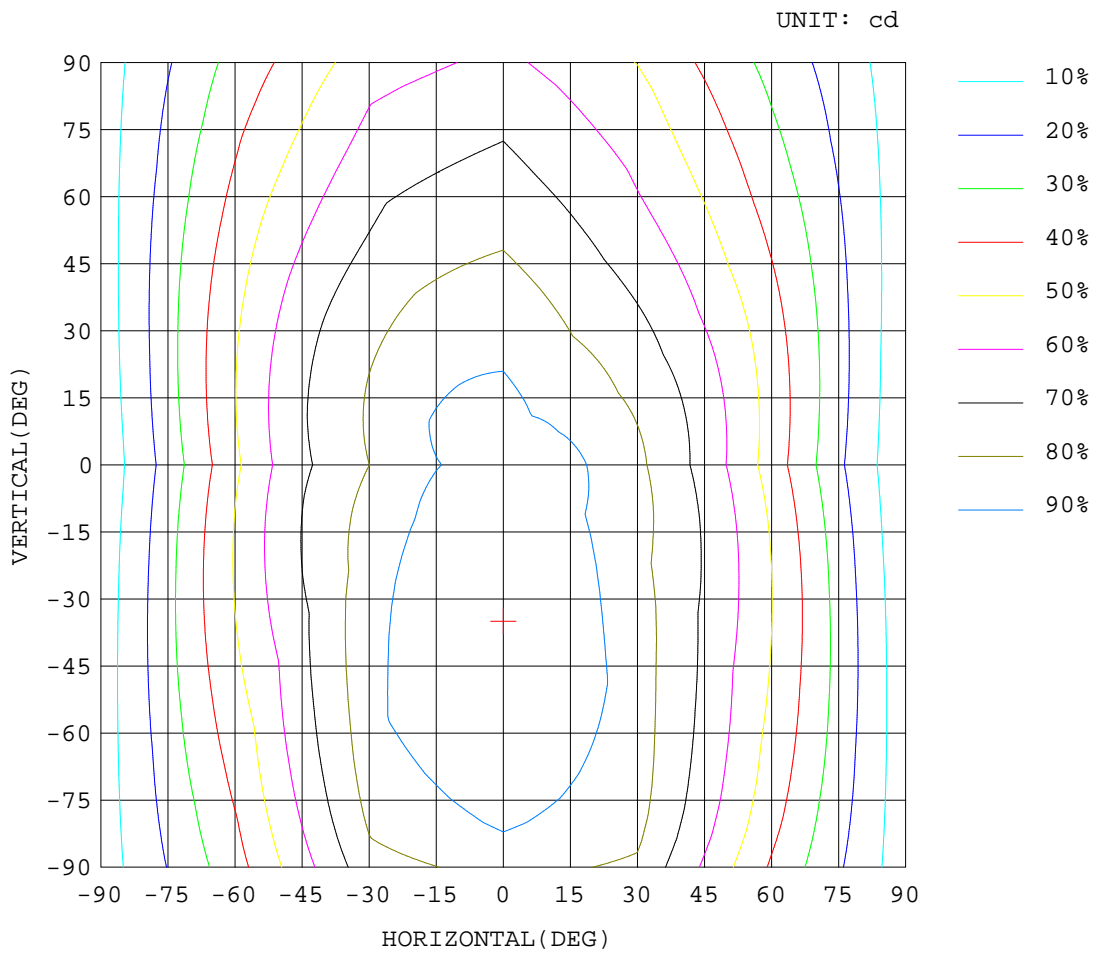
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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.:



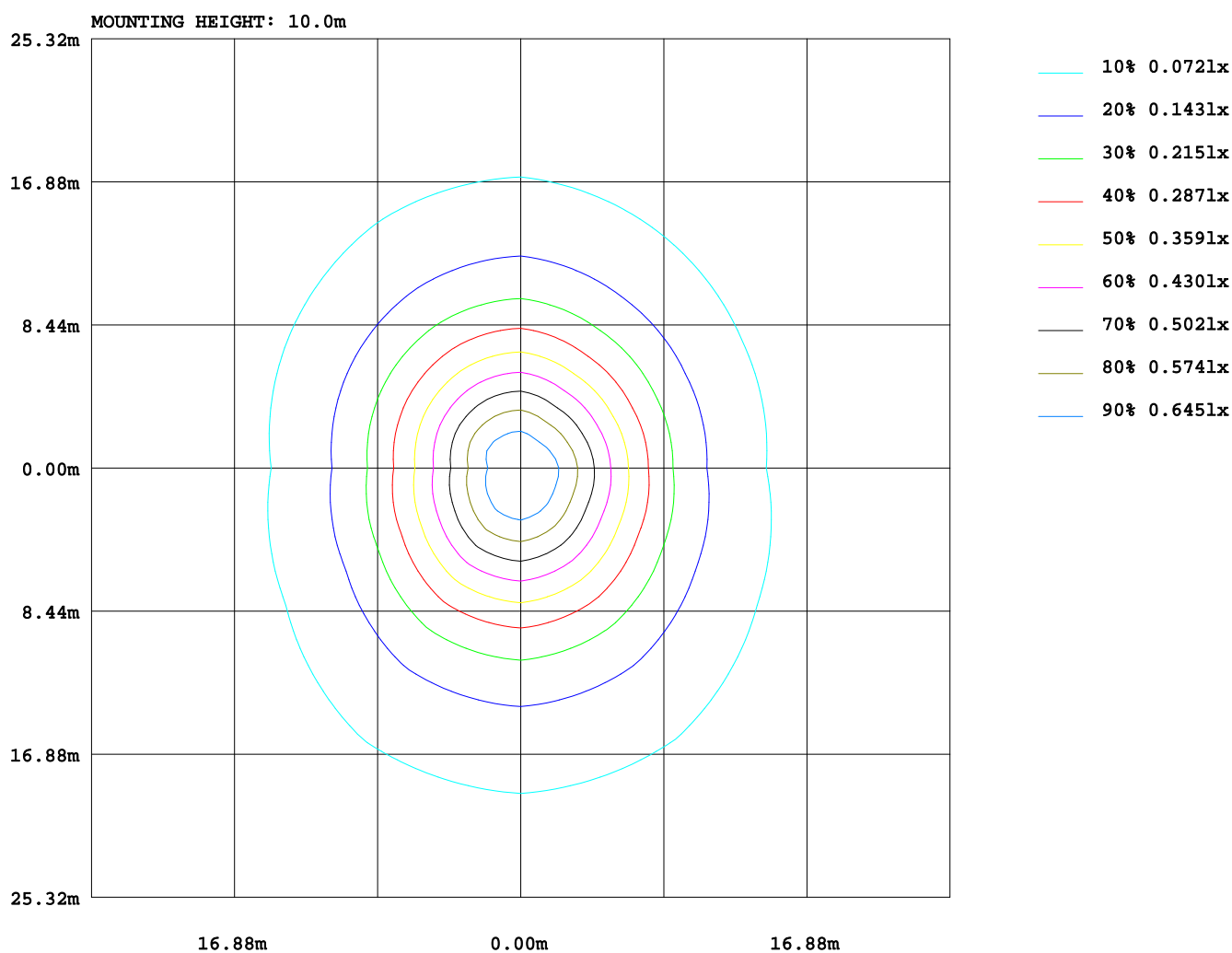
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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	
VERTICAL(DEG)	90	0.02	0.12	0.29	0.51	0.75	1.01	1.21	1.34	1.44	1.41	1.28	1.11	0.90	0.65	0.43	0.24	0.10	0.02	12.8	12.0		
	80	0.02	0.13	0.32	0.55	0.81	1.08	1.30	1.44	1.53	1.51	1.37	1.19	0.97	0.71	0.47	0.26	0.11	0.02	13.8	12.9		
	70	0.03	0.14	0.34	0.60	0.88	1.15	1.39	1.53	1.63	1.60	1.46	1.27	1.03	0.77	0.51	0.29	0.12	0.02	14.7	13.8		
	60	0.03	0.15	0.36	0.64	0.93	1.22	1.47	1.63	1.72	1.69	1.54	1.34	1.10	0.83	0.55	0.31	0.13	0.02	15.7	14.7		
	50	0.03	0.16	0.38	0.68	0.99	1.29	1.54	1.72	1.82	1.79	1.63	1.42	1.17	0.89	0.59	0.34	0.13	0.02	16.6	15.5		
	40	0.03	0.16	0.40	0.71	1.04	1.35	1.62	1.81	1.91	1.88	1.71	1.50	1.24	0.94	0.64	0.36	0.14	0.02	17.5	16.3		
	30	0.03	0.16	0.41	0.73	1.08	1.40	1.68	1.89	1.99	1.96	1.80	1.59	1.31	1.00	0.67	0.37	0.14	0.02	18.2	17.1		
		0.03	0.16	0.41	0.74	1.10	1.43	1.73	1.95	2.07	2.03	1.88	1.66	1.38	1.04	0.69	0.38	0.14	0.02	18.8	17.7		
		0.02	0.15	0.40	0.73	1.09	1.43	1.73	1.98	2.12	2.10	1.97	1.74	1.42	1.06	0.70	0.37	0.14	0.02	19.2	18.1		
		0.02	0.15	0.40	0.74	1.10	1.44	1.75	2.00	2.16	2.16	2.01	1.77	1.45	1.08	0.71	0.38	0.14	0.02	19.5	18.4		
		0.03	0.16	0.41	0.75	1.12	1.48	1.79	2.06	2.21	2.19	2.03	1.77	1.46	1.10	0.74	0.40	0.15	0.02	19.9	18.7		
	-30	0.03	0.16	0.42	0.75	1.12	1.48	1.83	2.10	2.23	2.21	2.06	1.79	1.46	1.11	0.75	0.41	0.16	0.03	20.1	18.9		
	-40	0.03	0.17	0.41	0.74	1.10	1.49	1.85	2.11	2.24	2.22	2.06	1.81	1.47	1.10	0.74	0.42	0.16	0.03	20.1	18.9		
	-50	0.03	0.16	0.40	0.71	1.08	1.49	1.86	2.10	2.22	2.21	2.05	1.82	1.47	1.09	0.73	0.41	0.16	0.03	20.0	18.8		
	-60	0.03	0.16	0.38	0.68	1.06	1.47	1.85	2.06	2.20	2.19	2.03	1.81	1.47	1.08	0.72	0.40	0.16	0.03	19.8	18.6		
	-70	0.03	0.15	0.36	0.66	1.03	1.45	1.81	2.01	2.15	2.15	2.00	1.80	1.46	1.06	0.70	0.39	0.15	0.03	19.4	18.3		
	-80	0.03	0.14	0.34	0.63	1.00	1.41	1.75	1.94	2.08	2.08	1.95	1.76	1.44	1.04	0.67	0.37	0.15	0.03	18.8	17.7		
	-90	0.02	0.13	0.31	0.58	0.94	1.34	1.65	1.83	1.95	1.96	1.85	1.68	1.38	0.98	0.63	0.34	0.14	0.02	17.7	16.8		
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90		
Φ t	0.47	2.71	6.76	12.1	18.2	24.5	29.9	33.6	35.7	35.4	32.7	28.9	23.6	17.5	11.6	6.42	2.53	0.42	390				
Φ a	0.00	0.00	0.00	12.1	18.2	24.5	29.9	33.6	35.7	35.4	32.7	28.9	23.6	17.5	11.6	0.00	0.00	0.00			191		

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

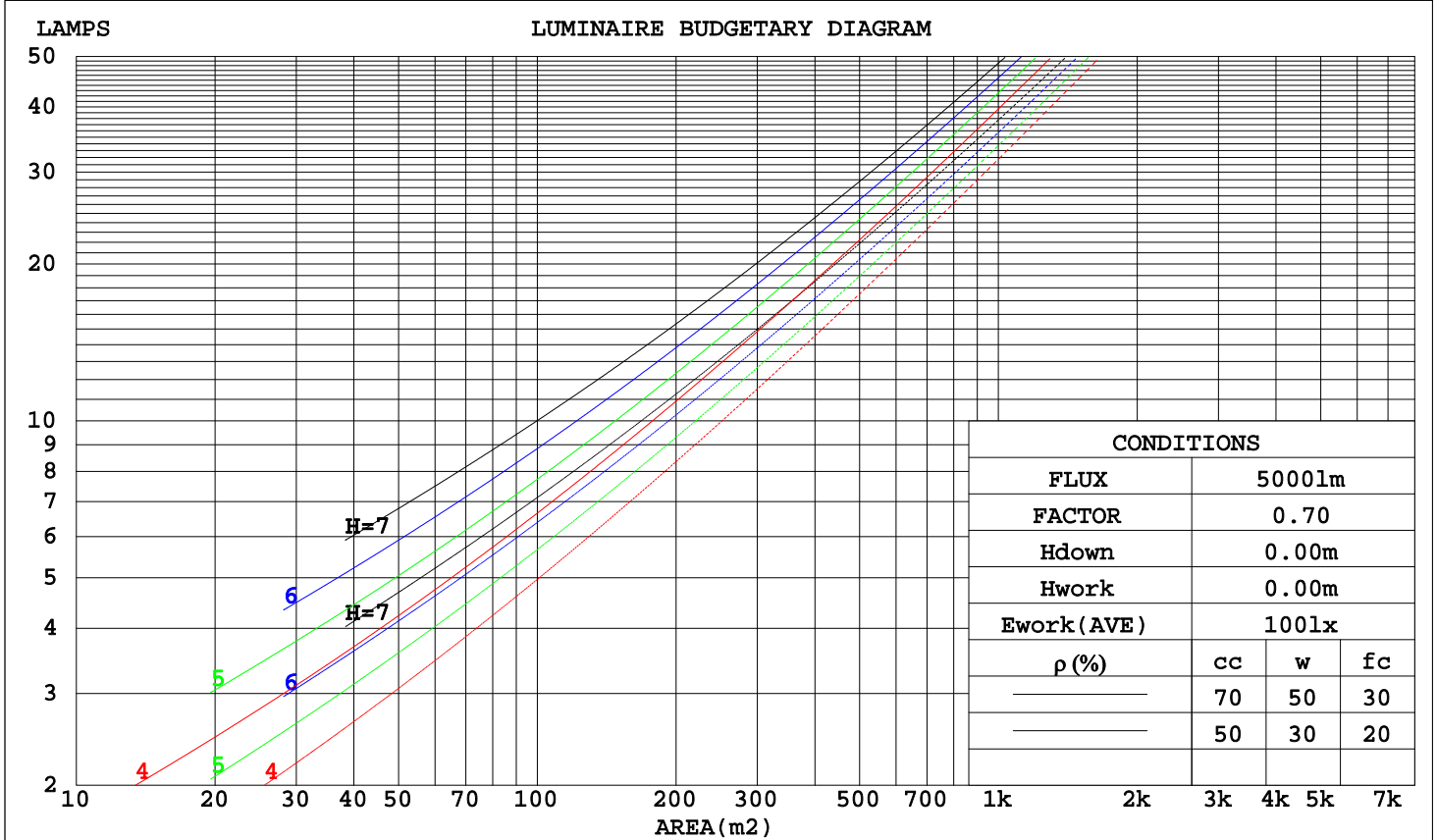
Test Set: 7.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.100 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

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

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	1.15	1.15	1.15	1.10	1.10	1.10	1.02	1.02	1.02	.94	.94	.94	.86	.86	.86	.83
1.0	.94	.88	.82	.90	.84	.79	.82	.78	.74	.75	.72	.68	.69	.66	.63	.60
2.0	.79	.71	.64	.76	.68	.61	.69	.63	.57	.63	.58	.54	.58	.54	.50	.46
3.0	.68	.59	.51	.65	.56	.49	.60	.52	.46	.55	.48	.43	.50	.45	.40	.37
4.0	.60	.50	.42	.57	.48	.41	.52	.45	.38	.48	.41	.36	.44	.38	.34	.31
5.0	.53	.43	.35	.51	.41	.34	.46	.39	.32	.43	.36	.31	.39	.33	.29	.26
6.0	.47	.37	.30	.45	.36	.30	.42	.34	.28	.38	.31	.26	.35	.29	.25	.22
7.0	.42	.33	.26	.41	.32	.26	.38	.30	.24	.35	.28	.23	.32	.26	.22	.19
8.0	.38	.29	.23	.37	.29	.23	.34	.27	.22	.32	.25	.20	.29	.23	.19	.17
9.0	.35	.26	.21	.34	.26	.20	.31	.24	.19	.29	.23	.18	.27	.21	.17	.15
10.0	.32	.24	.19	.31	.23	.18	.29	.22	.17	.27	.21	.16	.25	.19	.16	.14



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 _{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	.428	.243	.077	.415	.237	.075	.392	.225	.072	.370	.214	.069	.351	.203	.066	
2.0	.360	.197	.061	.349	.192	.059	.328	.182	.057	.308	.173	.054	.290	.164	.052	
3.0	.315	.168	.050	.305	.163	.049	.286	.155	.047	.268	.147	.045	.251	.139	.043	
4.0	.280	.146	.043	.271	.142	.042	.254	.135	.040	.238	.128	.039	.223	.121	.037	
5.0	.253	.129	.037	.245	.126	.037	.229	.119	.035	.214	.113	.034	.200	.107	.032	
6.0	.230	.116	.033	.223	.113	.032	.209	.107	.031	.195	.101	.030	.183	.096	.029	
7.0	.212	.105	.030	.205	.102	.029	.192	.097	.028	.179	.092	.027	.168	.087	.026	
8.0	.196	.096	.027	.189	.093	.026	.177	.089	.025	.166	.084	.024	.155	.080	.023	
9.0	.182	.088	.025	.176	.086	.024	.165	.082	.023	.154	.077	.022	.145	.073	.021	
10.0	.170	.081	.023	.164	.079	.022	.154	.075	.021	.144	.072	.020	.135	.068	.020	

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	.320	.320	.320	.273	.273	.273	.187	.187	.187	.107	.107	.107	.034	.034	.034	
1.0	.319	.286	.255	.273	.245	.220	.187	.169	.152	.107	.098	.088	.034	.031	.029	
2.0	.313	.263	.221	.268	.226	.191	.184	.157	.133	.106	.091	.078	.034	.029	.025	
3.0	.305	.247	.200	.262	.213	.173	.180	.148	.122	.104	.086	.072	.033	.028	.023	
4.0	.297	.234	.186	.255	.202	.162	.175	.141	.114	.101	.083	.067	.033	.027	.022	
5.0	.289	.225	.177	.248	.194	.154	.171	.136	.109	.099	.080	.064	.032	.026	.021	
6.0	.281	.217	.170	.242	.188	.148	.167	.131	.105	.097	.077	.062	.031	.025	.021	
7.0	.274	.210	.165	.236	.182	.144	.163	.128	.102	.095	.075	.061	.031	.025	.020	
8.0	.267	.204	.161	.230	.177	.141	.159	.125	.100	.093	.073	.060	.030	.024	.020	
9.0	.261	.200	.159	.224	.173	.138	.155	.122	.098	.091	.072	.059	.029	.024	.019	
10.0	.254	.195	.156	.219	.170	.136	.152	.119	.097	.089	.071	.058	.029	.023	.019	

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		10.5	12.0	11.0	12.5	13.0	13.5	15.0	14.0	15.5	16.1
	3H	12.3	13.7	12.9	14.2	14.8	16.8	18.1	17.3	18.6	19.2
	4H	13.1	14.4	13.7	15.0	15.6	18.6	19.9	19.1	20.4	21.0
	6H	13.8	15.0	14.3	15.6	16.2	20.6	21.8	21.2	22.4	23.0
	8H	14.0	15.2	14.6	15.8	16.4	21.7	22.9	22.3	23.4	24.1
	12H	14.2	15.4	14.8	15.9	16.6	23.0	24.1	23.6	24.7	25.4
	4H 2H	12.1	13.4	12.7	13.9	14.6	14.2	15.5	14.7	16.0	16.6
	3H	14.2	15.3	14.8	15.9	16.6	17.7	18.8	18.3	19.4	20.1
	4H	15.2	16.3	15.8	16.9	17.6	19.7	20.8	20.3	21.4	22.1
	6H	16.1	17.1	16.8	17.7	18.4	21.9	22.9	22.6	23.5	24.2
	8H	16.5	17.4	17.2	18.0	18.8	23.2	24.0	23.8	24.7	25.4
	12H	16.8	17.7	17.5	18.3	19.1	24.6	25.4	25.2	26.1	26.8
	8H 4H	16.8	17.7	17.5	18.3	19.1	20.1	21.0	20.8	21.7	22.4
	6H	18.2	18.9	18.8	19.6	20.4	22.7	23.5	23.4	24.1	24.9
	8H	18.8	19.5	19.5	20.2	21.0	24.2	24.8	24.9	25.5	26.4
	12H	19.4	20.0	20.1	20.7	21.6	25.9	26.5	26.6	27.2	28.0
	12H 4H	17.4	18.2	18.0	18.9	19.6	20.2	21.0	20.8	21.7	22.4
	6H	19.0	19.7	19.7	20.4	21.2	22.9	23.5	23.6	24.2	25.0
	8H	19.8	20.4	20.6	21.2	22.0	24.4	25.1	25.2	25.8	26.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 389.7 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.3)

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	46	33	25	45	32	25	43	32	25	18	
0.80	55	41	32	53	40	32	50	39	31	23	
1.00	62	48	40	60	47	39	57	48	38	29	
1.25	69	55	46	67	54	46	63	52	44	34	
1.50	74	61	52	71	59	51	67	57	49	38	
2.00	82	69	60	79	67	59	73	64	57	45	
2.50	86	75	66	83	73	65	77	68	62	49	
3.00	90	80	72	87	77	70	80	72	66	53	
4.00	95	86	79	91	83	77	84	78	72	58	
5.00	98	91	84	94	87	81	87	81	76	61	
ROOM INDEX	UF(total)									Direct	
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

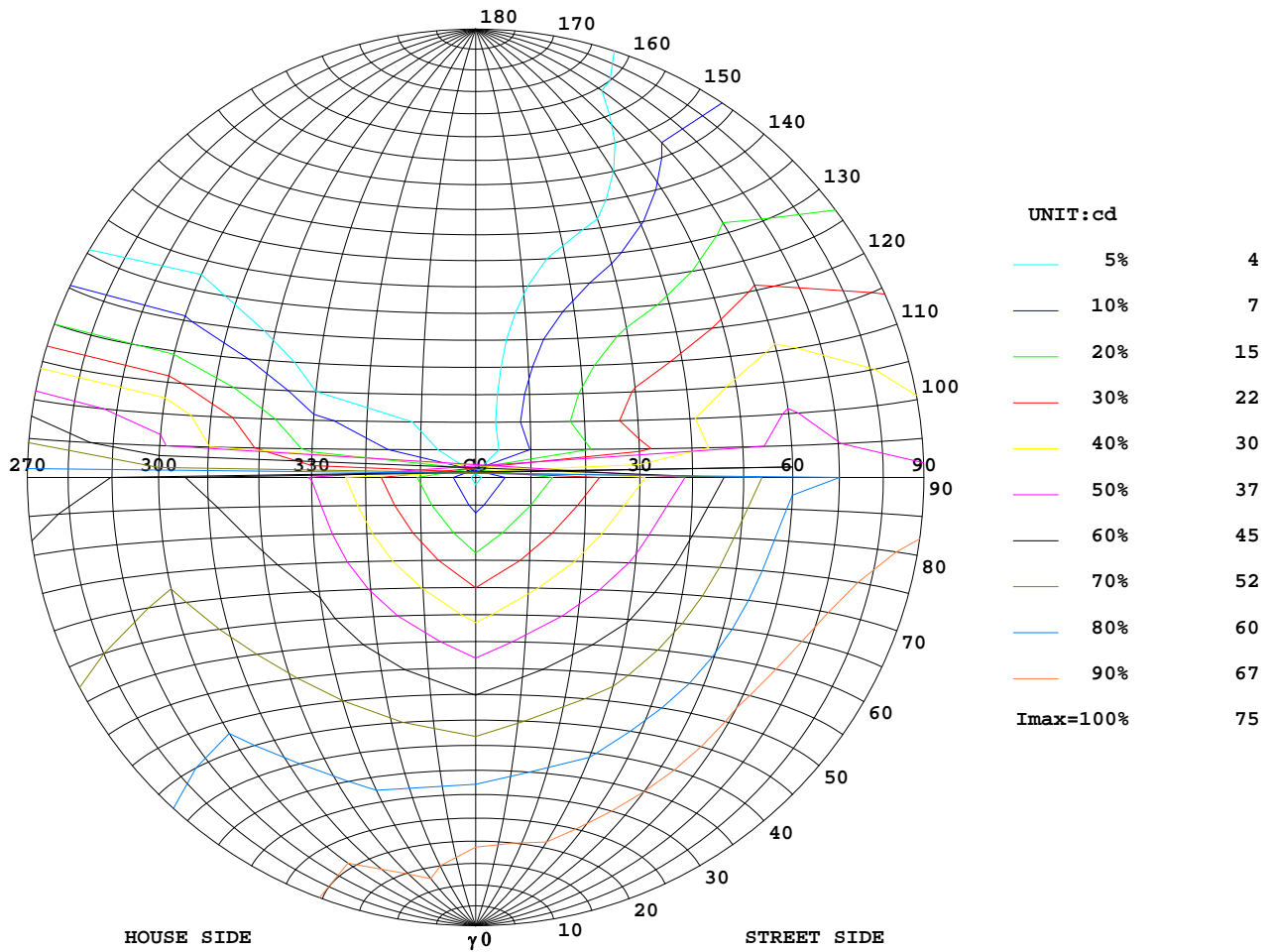
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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: 25.3 DEG
 Operators:
 Test Date: 06-27-2025

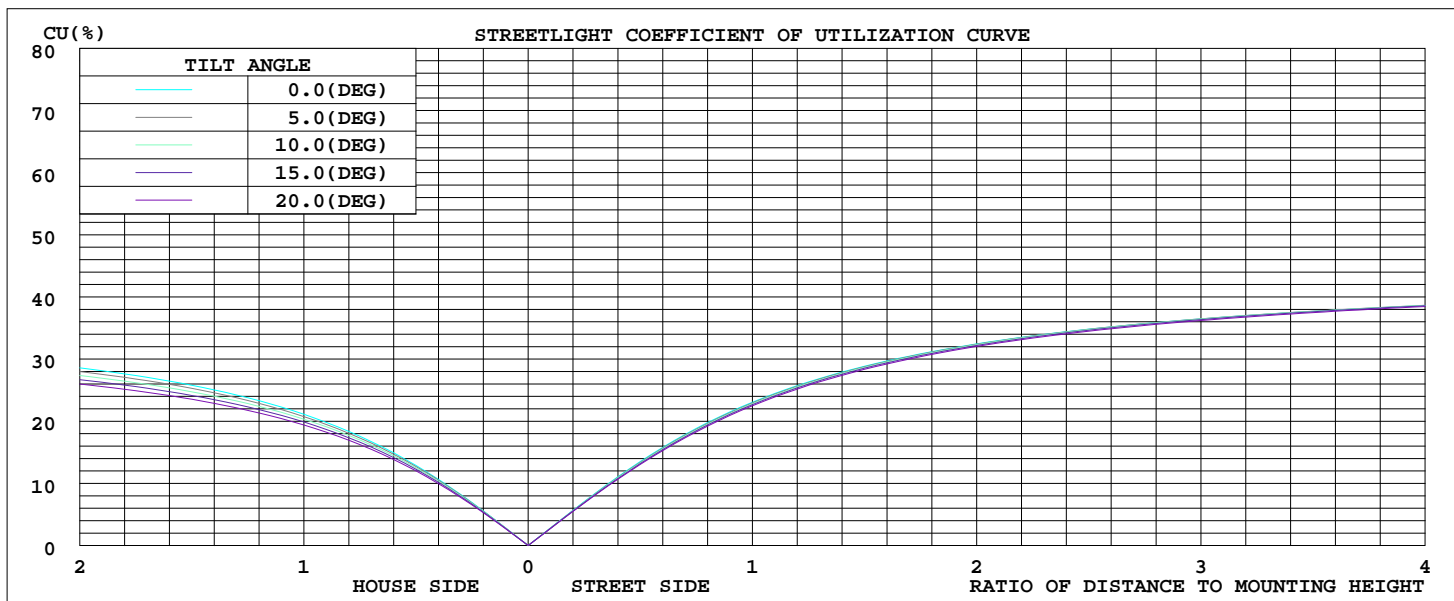
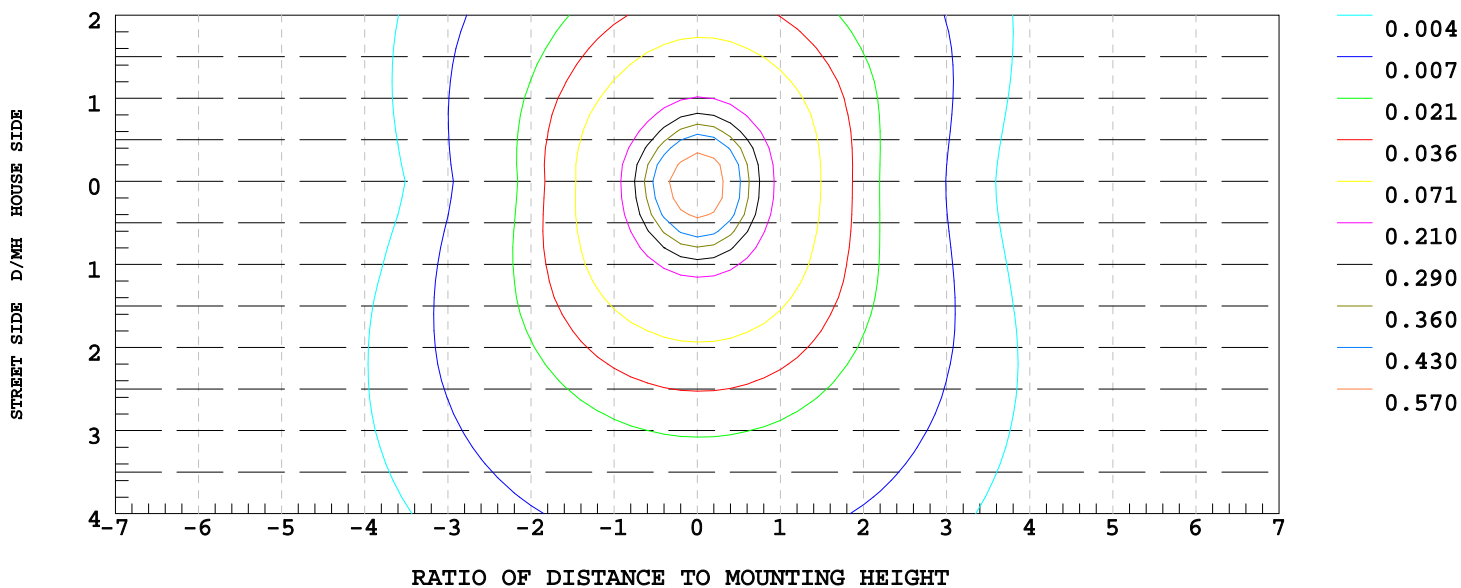
Test Set: 7.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.100 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 0.71 lx



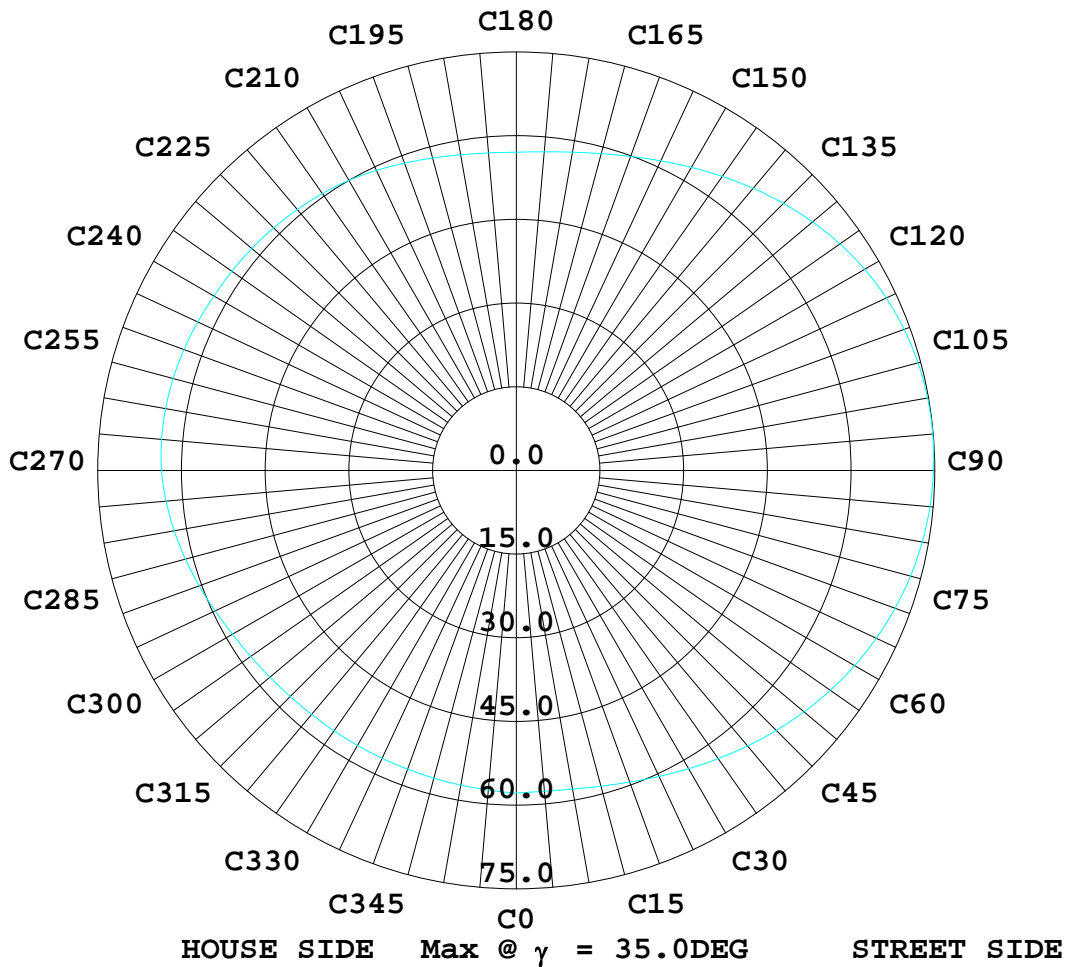
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	71.3	71.5	71.3	71.4	70.7	70.8	71.3	71.5	71.3	71.4	70.7	70.8
5.0	71.1	71.3	71.8	72.3	71.6	71.1	70.3	71.3	70.5	70.6	69.5	70.1
10.0	70.2	70.5	71.9	73.0	72.3	70.7	68.6	70.5	69.6	69.6	68.1	68.8
15.0	68.8	69.3	71.9	73.6	72.7	69.6	66.8	68.9	68.6	68.6	66.4	67.0
20.0	66.7	67.7	71.6	74.1	72.9	68.2	64.7	66.9	67.3	67.4	64.7	64.8
25.0	64.2	65.9	71.2	74.4	72.9	66.6	62.3	64.8	65.9	66.3	62.8	62.5
30.0	61.2	63.9	70.6	74.6	72.5	64.7	59.7	62.4	64.3	65.0	60.8	59.8
35.0	57.8	61.7	69.9	74.7	72.1	62.7	57.0	60.0	62.5	63.5	58.7	56.9
40.0	53.8	59.3	69.2	74.6	71.4	60.3	54.1	57.6	60.7	62.2	56.6	53.9
45.0	49.4	56.8	68.4	74.4	70.6	57.4	50.7	54.8	58.7	60.7	54.4	50.6
50.0	44.6	54.0	67.6	74.1	69.6	54.1	46.4	51.8	56.8	59.2	52.3	47.2
55.0	39.4	50.8	66.9	73.7	68.5	50.5	41.2	48.2	54.9	57.6	50.2	43.4
60.0	34.0	47.7	66.1	73.0	67.4	46.8	35.8	44.6	53.0	56.1	48.2	39.6
65.0	28.2	44.4	65.3	72.2	66.1	42.9	29.9	40.8	51.2	54.5	46.2	35.7
70.0	22.3	41.3	64.5	71.3	64.8	39.3	24.0	37.2	49.3	53.0	44.4	32.0
75.0	16.3	38.2	63.6	70.0	63.2	35.7	17.9	33.6	47.4	51.5	42.6	28.6
80.0	10.9	35.4	62.5	68.3	61.5	32.5	12.2	30.4	45.5	50.0	40.9	25.4
85.0	6.13	32.4	60.8	65.8	59.4	29.5	7.14	27.6	43.6	48.4	39.2	22.6
90.0	2.86	28.9	58.5	62.3	57.0	26.8	3.57	25.0	41.5	46.5	37.1	20.2
95.0	0.93	13.2	38.5	51.0	36.6	17.4	1.45	21.5	30.3	41.2	20.9	13.5
100.0	0.78	8.44	35.2	40.2	37.4	14.4	0.52	16.7	30.1	37.9	25.2	9.07
105.0	0.74	3.75	24.5	27.5	31.4	10.2	0.60	14.6	27.9	34.6	22.9	5.91
110.0	0.71	1.78	13.7	14.9	23.0	6.36	0.74	12.2	24.9	30.7	19.5	1.67
115.0	0.67	0.86	7.92	7.73	14.3	3.79	0.86	10.3	21.8	26.9	16.0	0.89
120.0	0.63	0.48	4.76	3.94	8.48	2.00	0.97	9.04	18.6	23.0	12.2	0.82
125.0	0.63	0.33	2.82	1.97	4.57	1.00	1.11	8.11	15.6	19.2	9.07	0.74
130.0	0.60	0.30	1.71	0.89	1.67	0.52	1.19	7.29	13.4	15.9	6.54	0.67
135.0	0.60	0.30	1.19	0.56	1.11	0.30	1.26	6.47	11.3	13.0	4.27	0.63
140.0	0.60	0.30	0.93	0.41	0.93	0.30	1.33	5.80	9.56	10.5	2.67	0.60
145.0	0.60	0.30	0.82	0.33	0.82	0.30	1.41	5.09	7.92	8.33	1.41	0.56
150.0	0.60	0.30	0.74	0.33	0.74	0.30	1.48	4.39	6.54	6.47	0.52	0.56
155.0	0.60	0.30	0.71	0.33	0.71	0.30	1.52	3.75	5.32	4.87	0.33	0.52
160.0	0.60	0.30	0.67	0.33	0.67	0.30	1.56	3.34	4.16	3.57	0.33	0.52
165.0	0.60	0.30	0.63	0.33	0.63	0.30	1.60	2.97	3.08	2.60	0.33	0.48
170.0	0.93	0.37	0.60	0.33	0.60	0.33	1.60	2.64	2.45	1.82	0.33	0.48
175.0	1.45	1.07	0.71	0.37	0.60	0.33	1.56	2.38	1.97	1.30	0.33	0.45
180.0	1.82	1.78	1.63	1.04	0.52	0.37	1.56	1.97	1.63	0.78	0.37	0.45

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: