

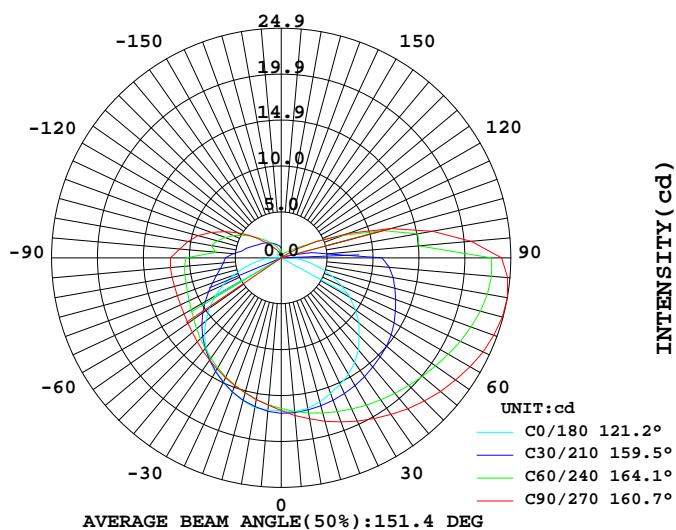
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

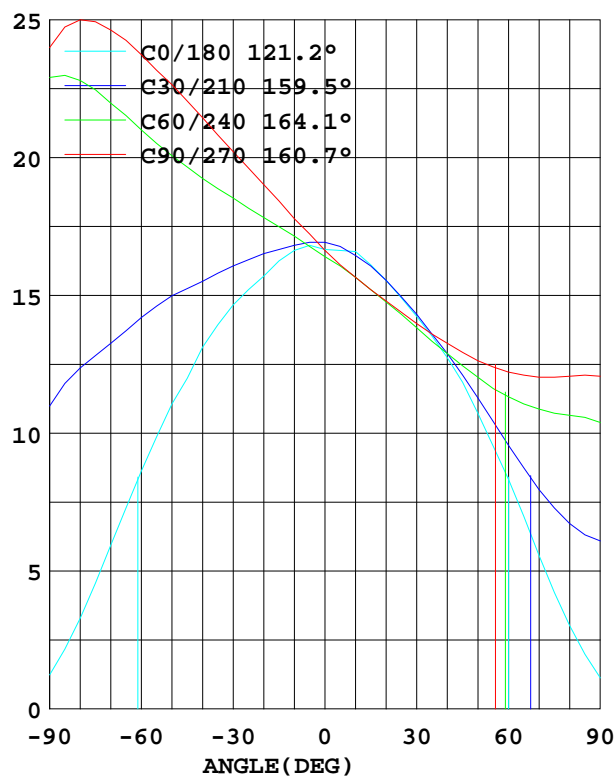
MANUFACTURER:			
Address:			
NAME:		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 0	DIMENSION:	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	24.89	S/MH(C0/180)	1.31
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.90
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	108.15	Voltage(V)	23.99
RATED VOLTAGE(V)	24	EFFICIENCY(lm/W)	12.3	Current(A)	0.366
NOMINAL FLUX(lm)	108.2	η up(%)	20.5	Power(W)	8.800
LAMPS QUANTITY	1	η down(%)	79.5	Power Factor(PF)	0.999
TEST VOLTAGE(V)	24.0	Effective Flux(lm)	46.6	EEL	1.061

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.:

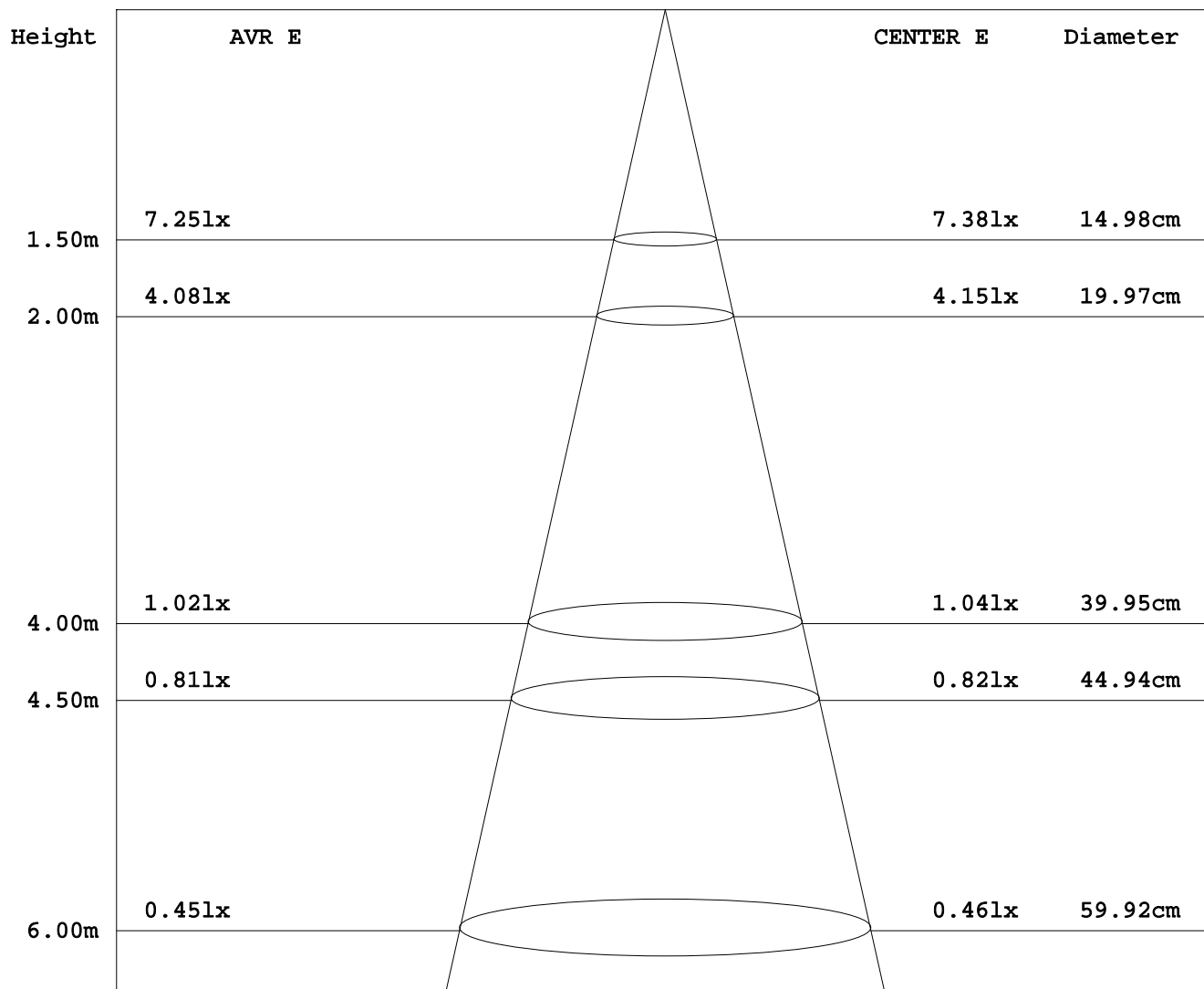
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-27-2025

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: 5.7deg

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

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	16.55	16.91	17.71	16.65	16.52	15.98	15.59	14.86	0- 10	1.557	1.557
20.0	15.62	17.09	18.93	17.15	15.47	15.08	14.73	13.76	10- 20	4.560	6.117
30.0	14.58	17.22	20.13	17.45	14.17	14.00	13.91	12.59	20- 30	7.256	13.37
40.0	13.06	17.30	21.35	17.56	12.68	12.83	13.20	11.42	30- 40	9.519	22.89
50.0	11.01	17.45	22.54	17.54	10.67	11.60	12.57	10.49	40- 50	11.27	34.17
60.0	8.595	17.52	23.62	17.48	8.297	10.40	12.16	9.600	50- 60	12.46	46.63
70.0	5.916	17.54	24.52	17.45	5.544	9.376	11.98	8.781	60- 70	13.10	59.74
80.0	3.274	17.50	24.89	17.32	3.014	8.651	12.01	8.242	70- 80	13.25	73.00
90.0	1.227	16.87	23.88	16.87	1.116	8.204	12.01	7.795	80- 90	12.95	85.95
100.0	0.558	9.190	16.67	11.49	0.186	6.009	10.26	4.074	90-100	9.582	95.53
110.0	0.484	3.869	7.851	7.237	0.335	5.004	8.074	1.879	100-110	6.285	101.8
120.0	0.409	1.320	1.860	3.107	0.447	3.888	5.469	0.688	110-120	3.199	105.0
130.0	0.372	0.670	0.298	1.097	0.558	2.976	3.237	0.279	120-130	1.471	106.4
140.0	0.335	0.447	0.112	0.484	0.595	2.251	1.711	0.260	130-140	0.766	107.2
150.0	0.298	0.353	0.149	0.409	0.670	1.767	1.004	0.223	140-150	0.449	107.7
160.0	0.260	0.316	0.149	0.353	0.744	1.376	0.633	0.205	150-160	0.267	107.9
170.0	0.298	0.279	0.149	0.298	0.781	1.079	0.447	0.205	160-170	0.138	108.1
180.0	0.893	0.763	0.223	0.279	0.707	0.837	0.372	0.205	170-180	0.045	108.1
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:

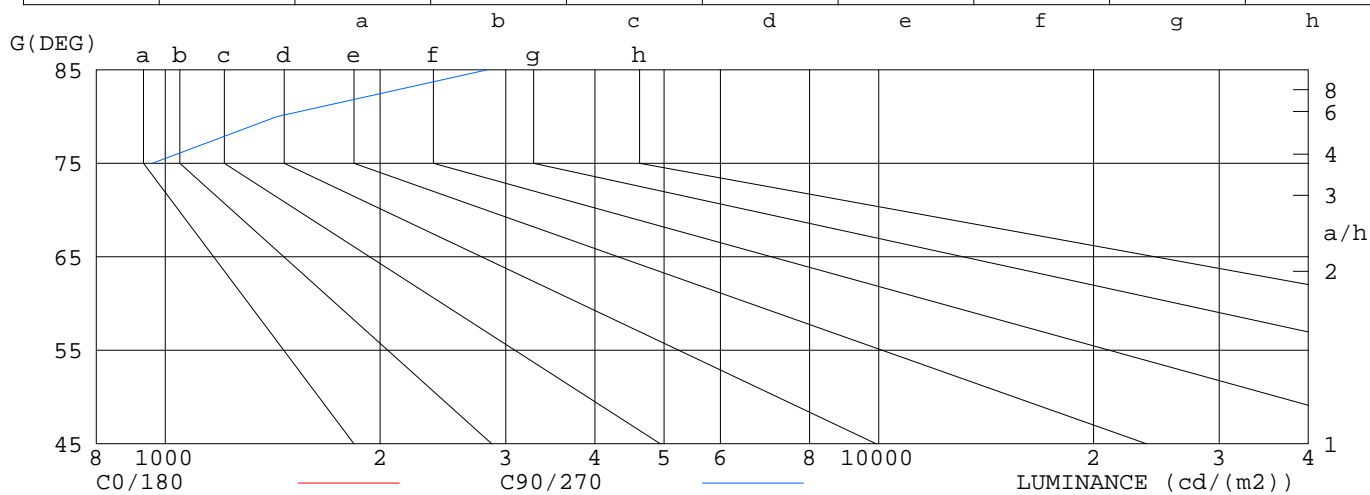
LUMINANCE LIMITATION CURVES

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	248	2826
80	189	1434
75	175	959
70	173	717
65	172	571
60	172	473
55	171	402
50	171	351
45	169	310

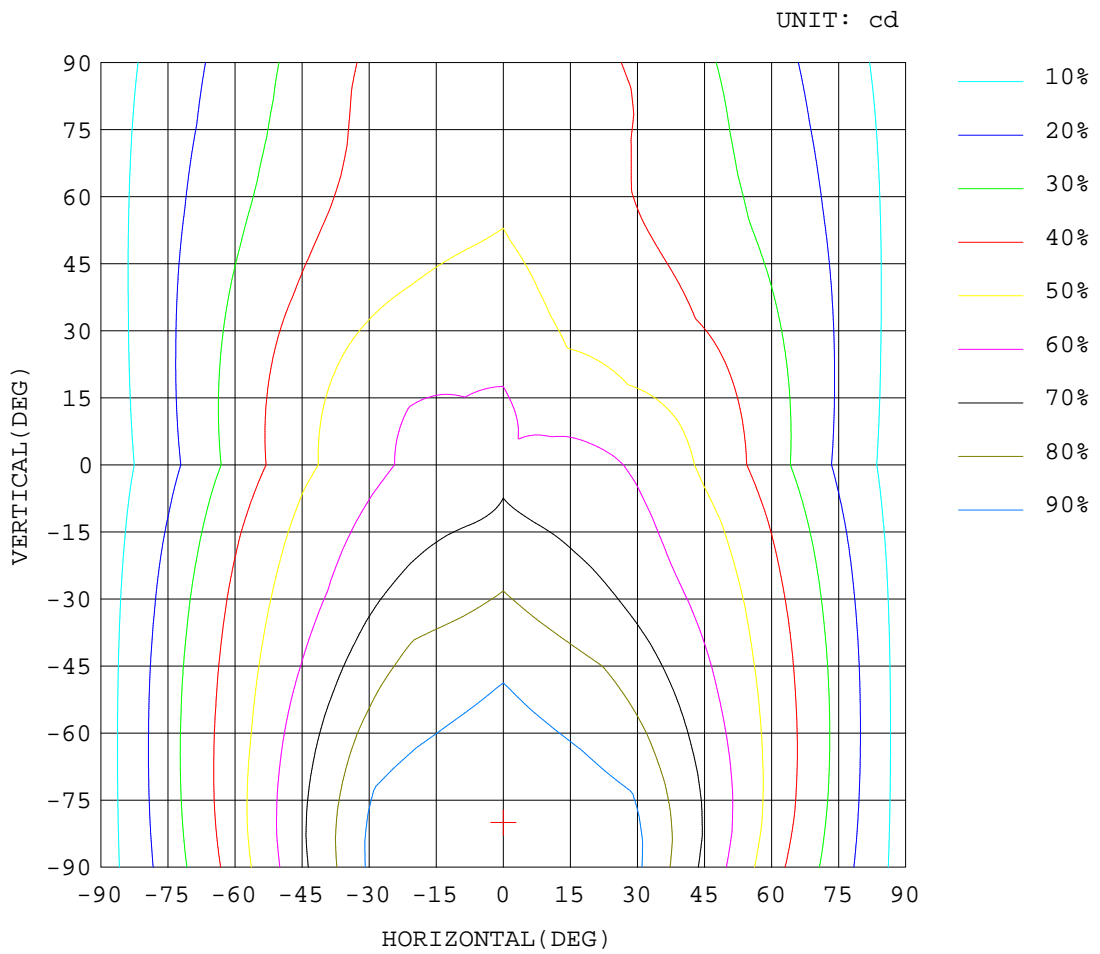
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-27-2025

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.:



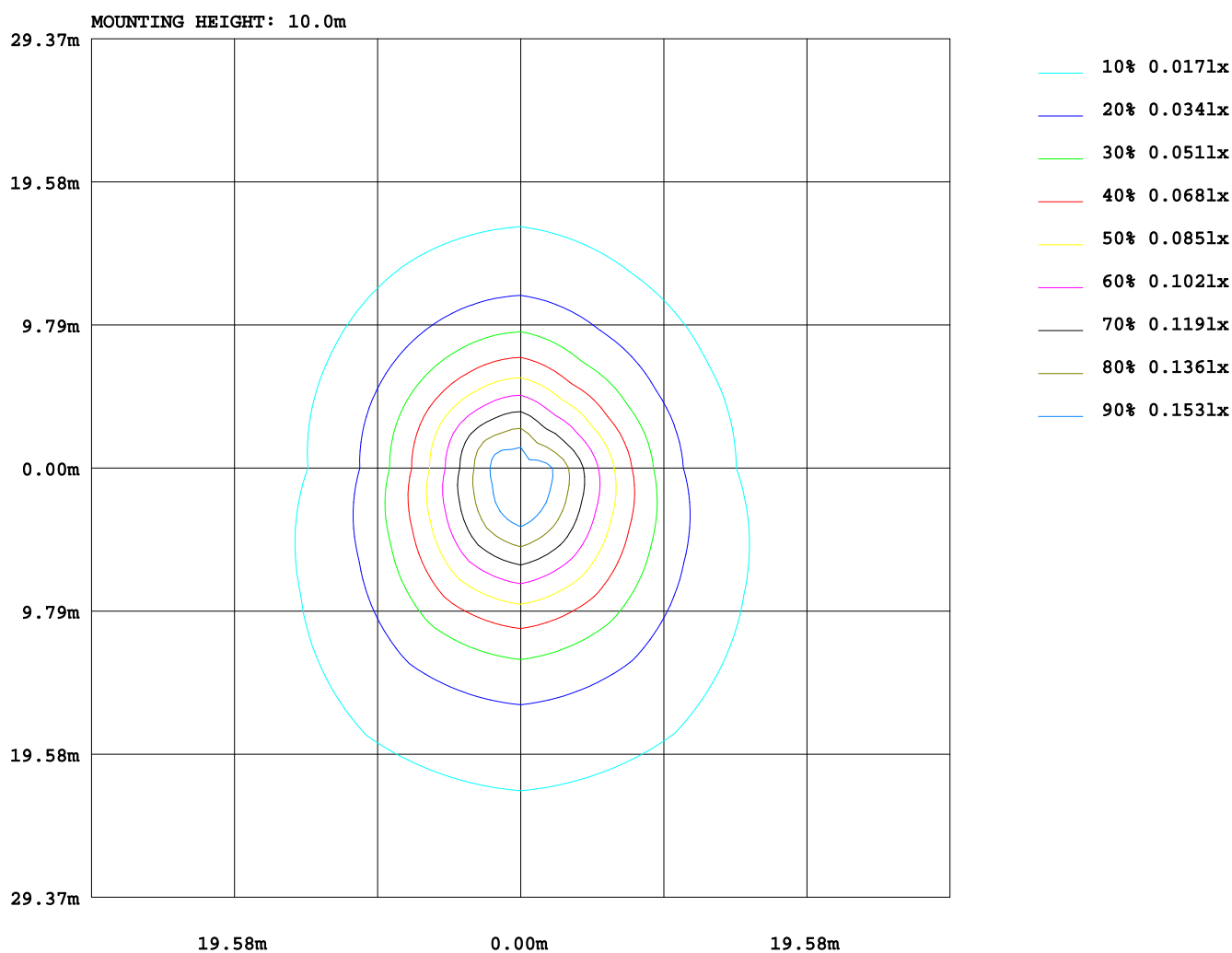
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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

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	0.01	0.03	0.07	0.12	0.18	0.24	0.30	0.33	0.36	0.35	0.32	0.28	0.23	0.17	0.12	0.07	0.03	0.01	3.21	3.00		
	80	0.01	0.03	0.07	0.12	0.18	0.25	0.30	0.33	0.36	0.35	0.32	0.28	0.23	0.18	0.12	0.07	0.03	0.01	3.25	3.03		
	70	0.01	0.03	0.08	0.13	0.19	0.25	0.30	0.34	0.36	0.35	0.32	0.28	0.23	0.18	0.13	0.08	0.03	0.01	3.30	3.07		
	60	0.01	0.03	0.08	0.14	0.20	0.26	0.31	0.35	0.37	0.36	0.33	0.29	0.24	0.19	0.13	0.08	0.04	0.01	3.40	3.16		
	50	0.01	0.04	0.08	0.15	0.21	0.28	0.33	0.36	0.39	0.38	0.34	0.30	0.25	0.20	0.14	0.08	0.04	0.01	3.56	3.30		
	40	0.01	0.04	0.09	0.15	0.23	0.29	0.35	0.38	0.41	0.39	0.35	0.31	0.26	0.21	0.15	0.09	0.04	0.01	3.74	3.48		
	30	0.01	0.04	0.09	0.16	0.24	0.31	0.37	0.41	0.43	0.42	0.37	0.33	0.28	0.22	0.16	0.09	0.04	0.01	3.97	3.70		
		0.01	0.04	0.09	0.17	0.25	0.33	0.40	0.44	0.46	0.44	0.40	0.36	0.31	0.24	0.17	0.09	0.04	0.01	4.21	3.94		
		0.01	0.04	0.09	0.17	0.25	0.33	0.41	0.47	0.49	0.47	0.45	0.40	0.33	0.25	0.17	0.09	0.04	0.01	4.46	4.18		
		0.01	0.04	0.10	0.18	0.26	0.35	0.42	0.48	0.50	0.51	0.48	0.43	0.36	0.27	0.18	0.10	0.04	0.01	4.70	4.41		
		0.01	0.04	0.11	0.19	0.28	0.37	0.44	0.50	0.54	0.54	0.50	0.44	0.37	0.29	0.20	0.11	0.04	0.01	4.98	4.66		
	-30	0.01	0.05	0.11	0.20	0.29	0.39	0.47	0.54	0.58	0.58	0.53	0.47	0.39	0.30	0.21	0.12	0.05	0.01	5.29	4.95		
	-40	0.01	0.05	0.12	0.21	0.31	0.41	0.51	0.58	0.62	0.61	0.57	0.50	0.41	0.31	0.22	0.12	0.05	0.01	5.61	5.25		
	-50	0.01	0.05	0.12	0.22	0.32	0.44	0.54	0.61	0.65	0.65	0.60	0.53	0.44	0.33	0.22	0.13	0.05	0.01	5.94	5.56		
	-60	0.01	0.05	0.13	0.22	0.34	0.47	0.58	0.64	0.69	0.68	0.64	0.57	0.46	0.35	0.23	0.13	0.05	0.01	6.25	5.86		
	-70	0.01	0.05	0.13	0.23	0.36	0.49	0.61	0.67	0.72	0.72	0.67	0.60	0.49	0.36	0.24	0.13	0.05	0.01	6.53	6.14		
-80	0.01	0.05	0.13	0.23	0.37	0.51	0.63	0.69	0.74	0.74	0.69	0.63	0.51	0.37	0.24	0.13	0.05	0.01	6.73	6.34			
-90	0.01	0.05	0.12	0.23	0.37	0.52	0.64	0.69	0.73	0.73	0.70	0.64	0.52	0.37	0.23	0.13	0.05	0.01	6.74	6.37			
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG)				20	30	40	50	60	70	80	90		
Φ t		0.14	0.74	1.81	3.21	4.83	6.48	7.90	8.82	9.38	9.27	8.57	7.63	6.32	4.77	3.23	1.84	0.77	0.14	108			
Φ a		0.00	0.00	0.00	3.21	4.83	6.48	7.90	8.82	9.38	9.27	8.57	7.63	6.32	4.77	3.23	0.00	0.00	0.00		47		

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

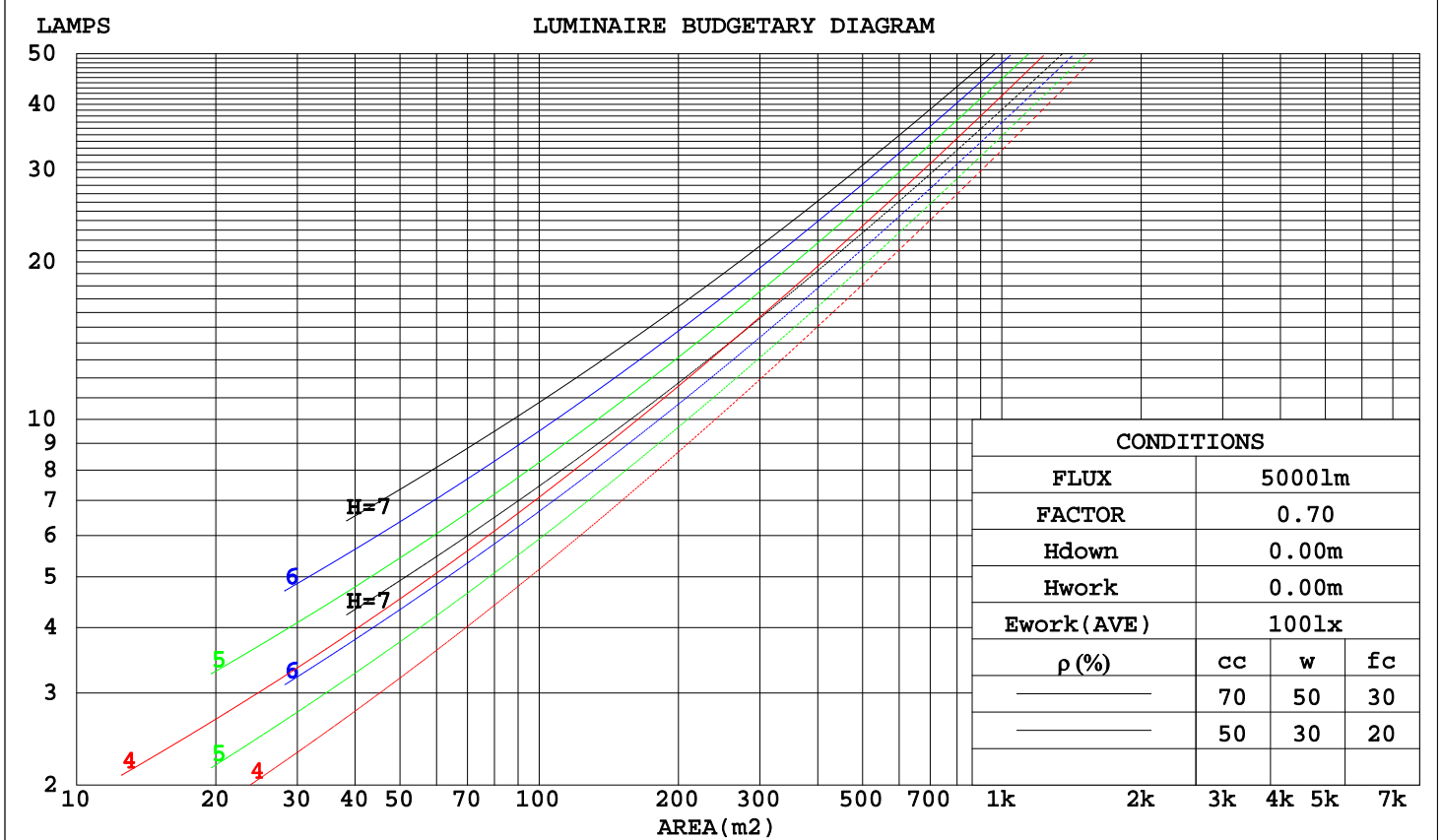
Test Set: 7.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.100 m
 Remarks:

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	1.14	1.14	1.14	1.09	1.09	1.09	.00	.00	.00	.91	.91	.91	.83	.83	.83	.79
1.0	.92	.85	.80	.87	.82	.76	.79	.74	.70	.71	.68	.64	.65	.62	.59	.55
2.0	.77	.68	.61	.73	.65	.59	.66	.60	.54	.60	.54	.50	.54	.49	.46	.42
3.0	.66	.56	.48	.63	.54	.47	.57	.49	.43	.51	.45	.40	.46	.41	.37	.33
4.0	.58	.48	.40	.55	.46	.38	.50	.42	.36	.45	.38	.33	.40	.35	.30	.27
5.0	.51	.41	.33	.48	.39	.32	.44	.36	.30	.40	.33	.28	.36	.30	.26	.23
6.0	.45	.36	.28	.43	.34	.28	.39	.31	.26	.36	.29	.24	.32	.26	.22	.19
7.0	.41	.31	.25	.39	.30	.24	.35	.28	.22	.32	.26	.21	.29	.24	.19	.17
8.0	.37	.28	.22	.35	.27	.21	.32	.25	.20	.29	.23	.18	.27	.21	.17	.15
9.0	.34	.25	.19	.32	.24	.19	.30	.22	.17	.27	.21	.16	.25	.19	.15	.13
10.0	.31	.23	.17	.30	.22	.17	.27	.20	.16	.25	.19	.15	.23	.17	.14	.12



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	.450	.256	.081	.436	.249	.079	.411	.236	.075	.387	.223	.072	.365	.212	.068	
2.0	.372	.204	.063	.360	.198	.061	.337	.187	.058	.315	.177	.055	.296	.167	.053	
3.0	.323	.172	.051	.312	.167	.050	.291	.157	.048	.271	.149	.046	.253	.140	.043	
4.0	.286	.149	.044	.276	.144	.043	.257	.136	.041	.239	.128	.039	.222	.121	.037	
5.0	.257	.131	.038	.248	.127	.037	.230	.120	.035	.214	.113	.034	.199	.106	.032	
6.0	.233	.117	.033	.225	.114	.033	.209	.107	.031	.194	.101	.030	.180	.095	.028	
7.0	.214	.106	.030	.206	.103	.029	.191	.097	.028	.178	.091	.027	.165	.086	.025	
8.0	.197	.096	.027	.190	.094	.026	.177	.088	.025	.164	.083	.024	.152	.078	.023	
9.0	.183	.088	.025	.176	.086	.024	.164	.081	.023	.153	.076	.022	.142	.072	.021	
10.0	.170	.082	.023	.165	.079	.022	.153	.075	.021	.142	.071	.020	.132	.067	.019	

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																
1.0	.347	.347	.347	.296	.296	.296	.202	.202	.202	.116	.116	.116	.037	.037	.037	
2.0	.342	.290	.247	.293	.250	.214	.201	.173	.149	.116	.101	.087	.037	.033	.028	
3.0	.334	.274	.226	.287	.237	.196	.197	.164	.138	.114	.096	.081	.037	.031	.027	
4.0	.326	.262	.213	.280	.226	.185	.192	.158	.130	.111	.092	.077	.036	.030	.025	
5.0	.318	.253	.204	.273	.218	.178	.188	.153	.125	.109	.090	.074	.035	.029	.025	
6.0	.310	.245	.198	.267	.212	.172	.184	.148	.122	.107	.087	.072	.034	.029	.024	
7.0	.303	.238	.193	.260	.206	.168	.180	.145	.119	.105	.085	.071	.034	.028	.023	
8.0	.296	.233	.189	.255	.202	.165	.176	.142	.117	.102	.084	.070	.033	.027	.023	
9.0	.289	.228	.187	.249	.198	.163	.173	.139	.116	.101	.082	.069	.033	.027	.023	
10.0	.283	.224	.184	.244	.194	.161	.169	.137	.114	.099	.081	.068	.032	.027	.023	

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		6.0	7.5	6.6	8.0	8.6	9.9	11.3	10.4	11.9	12.5
	3H	8.0	9.3	8.5	9.9	10.5	13.5	14.8	14.0	15.4	16.0
	4H	8.9	10.1	9.5	10.7	11.4	15.5	16.7	16.1	17.3	18.0
	6H	9.6	10.8	10.3	11.5	12.2	17.7	18.9	18.3	19.5	20.2
	8H	10.0	11.1	10.6	11.8	12.5	18.9	20.0	19.5	20.7	21.4
	12H	10.3	11.4	10.9	12.1	12.8	20.3	21.4	20.9	22.0	22.8
	4H 2H	8.0	9.3	8.6	9.9	10.6	10.5	11.8	11.1	12.4	13.1
	3H	10.2	11.4	10.9	12.0	12.8	14.4	15.5	15.0	16.1	16.9
	4H	11.4	12.4	12.0	13.1	13.8	16.6	17.6	17.2	18.3	19.1
	6H	12.4	13.3	13.1	14.0	14.8	19.0	19.9	19.7	20.6	21.4
	8H	12.9	13.7	13.6	14.4	15.3	20.3	21.2	21.0	21.9	22.7
	12H	13.3	14.1	14.0	14.8	15.7	21.9	22.7	22.6	23.4	24.2
	8H 4H	13.3	14.2	14.0	14.9	15.7	17.0	17.9	17.7	18.6	19.4
	6H	14.8	15.5	15.5	16.3	17.1	19.8	20.6	20.5	21.3	22.1
	8H	15.5	16.2	16.2	16.9	17.8	21.4	22.1	22.1	22.8	23.7
	12H	16.2	16.8	17.0	17.6	18.5	23.2	23.8	24.0	24.6	25.5
	12H 4H	14.0	14.8	14.7	15.5	16.4	17.1	17.9	17.8	18.6	19.4
	6H	15.8	16.5	16.5	17.2	18.1	20.0	20.6	20.7	21.4	22.3
	8H	16.7	17.3	17.5	18.1	19.0	21.7	22.3	22.4	23.0	23.9
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 108.1 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.7)

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	43	30	23	42	30	22	40	29	22	15	
0.80	52	38	29	50	37	29	48	36	28	20	
1.00	59	45	36	57	44	36	54	45	34	25	
1.25	66	52	43	64	51	42	59	48	40	30	
1.50	71	58	48	69	56	47	64	53	45	34	
2.00	79	66	57	76	64	55	70	60	53	40	
2.50	84	72	63	80	69	61	74	65	58	44	
3.00	88	77	68	84	74	66	77	69	62	48	
4.00	93	83	76	89	80	73	81	74	68	53	
5.00	96	88	81	92	84	78	84	78	73	57	
ROOM INDEX	UF(total)									Direct	
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

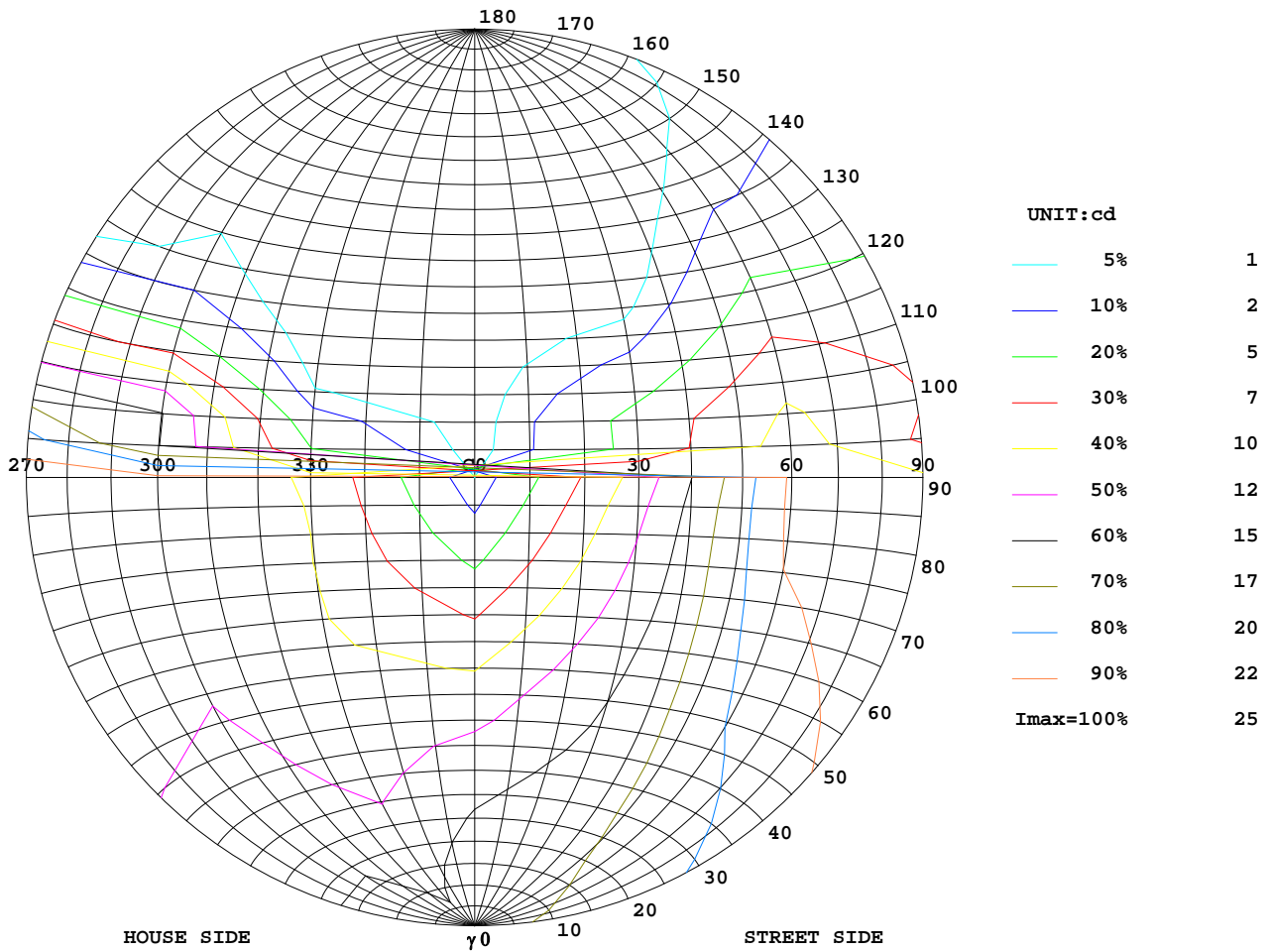
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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

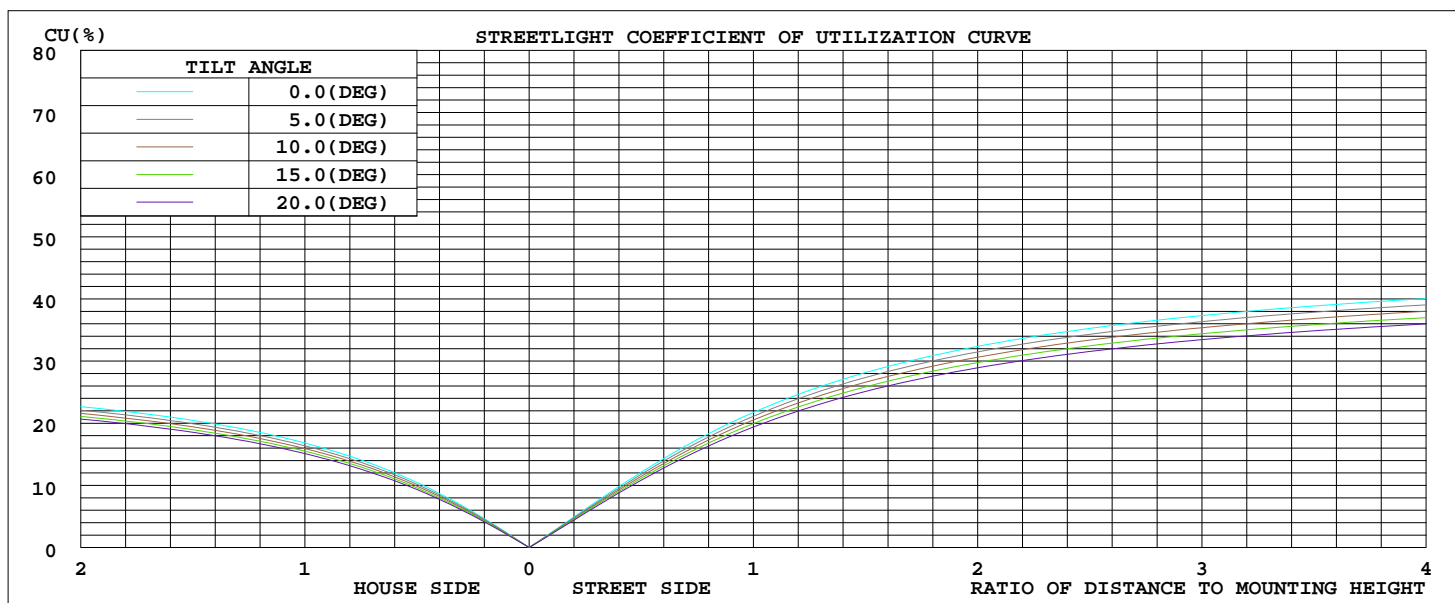
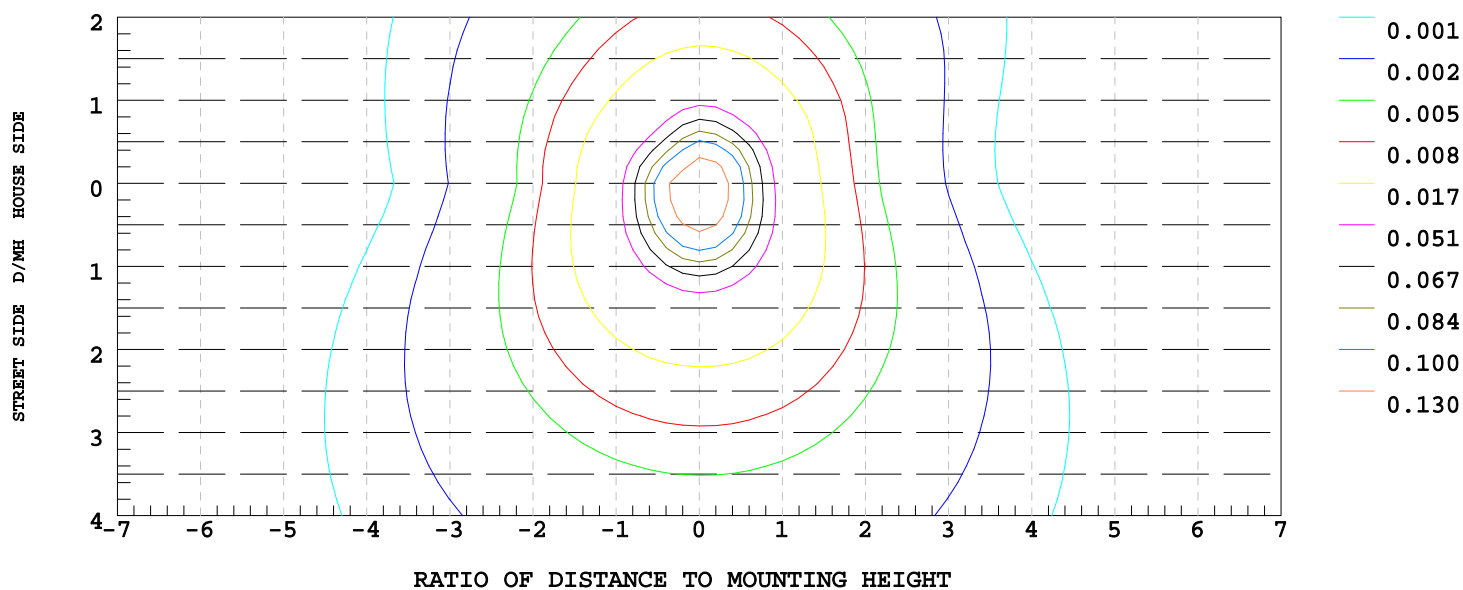
Test Set: 7.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.100 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 0.17 lx



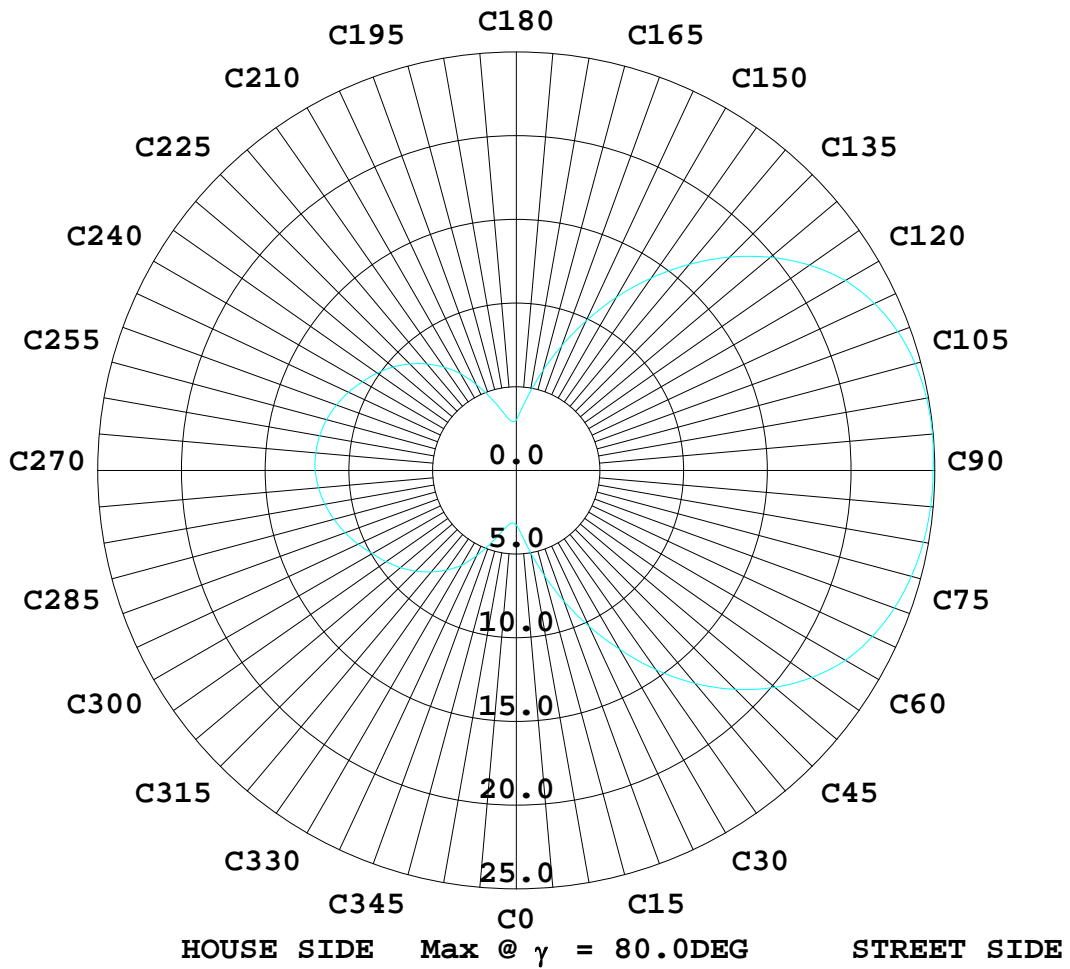
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-27-2025

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:

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	16.5	16.8	16.3	16.5	15.6	16.0	16.5	16.8	16.3	16.5	15.6	16.0
5.0	16.7	16.8	16.7	17.1	16.2	16.3	16.5	16.7	16.0	16.0	15.1	15.6
10.0	16.5	16.7	17.0	17.7	16.8	16.4	16.5	16.3	15.5	15.5	14.5	15.1
15.0	16.1	16.5	17.4	18.3	17.3	16.4	16.0	16.0	15.1	15.1	13.9	14.6
20.0	15.6	16.4	17.7	18.9	17.8	16.4	15.4	15.4	14.6	14.7	13.4	14.0
25.0	15.1	16.2	18.0	19.5	18.3	16.2	14.8	14.8	14.2	14.3	12.9	13.4
30.0	14.5	16.0	18.4	20.1	18.7	16.1	14.1	14.2	13.7	13.9	12.3	12.8
35.0	13.8	15.7	18.7	20.7	19.2	15.8	13.4	13.5	13.2	13.5	11.7	12.1
40.0	13.0	15.4	19.1	21.3	19.6	15.4	12.6	12.8	12.8	13.2	11.3	11.5
45.0	11.9	15.1	19.5	21.9	20.0	15.1	11.7	12.0	12.3	12.8	11.0	10.8
50.0	11.0	14.9	19.9	22.5	20.4	14.6	10.6	11.2	11.9	12.5	10.7	10.1
55.0	9.82	14.5	20.4	23.0	20.8	14.1	9.48	10.3	11.5	12.3	10.4	9.60
60.0	8.59	14.1	20.9	23.6	21.2	13.6	8.29	9.52	11.2	12.1	10.2	8.93
65.0	7.25	13.6	21.4	24.1	21.7	13.2	6.95	8.70	11.0	12.0	10.0	8.18
70.0	5.91	13.2	21.8	24.5	22.1	12.8	5.54	7.92	10.8	11.9	10.0	7.55
75.0	4.53	12.7	22.3	24.8	22.4	12.3	4.20	7.25	10.6	11.9	9.93	6.99
80.0	3.27	12.3	22.6	24.8	22.6	11.9	3.01	6.69	10.6	12.0	9.93	6.54
85.0	2.15	11.7	22.8	24.6	22.8	11.5	1.97	6.28	10.5	12.0	9.86	6.21
90.0	1.22	10.9	22.8	23.8	22.7	11.0	1.11	6.06	10.3	12.0	9.67	5.91
95.0	0.67	5.02	14.9	20.6	15.4	6.88	0.33	5.24	7.10	11.0	5.76	4.01
100.0	0.56	3.34	15.0	16.6	16.5	6.47	0.19	4.31	7.70	10.2	5.84	2.30
105.0	0.52	1.33	11.4	12.3	14.3	4.87	0.26	3.98	7.18	9.33	4.35	1.45
110.0	0.48	0.56	7.18	7.85	11.3	3.08	0.33	3.53	6.47	8.07	2.97	0.78
115.0	0.45	0.26	4.20	4.20	8.29	1.82	0.37	3.16	5.73	6.73	1.78	0.60
120.0	0.41	0.15	2.49	1.86	5.28	0.93	0.45	2.86	4.91	5.46	0.86	0.52
125.0	0.37	0.11	1.71	0.63	3.12	0.48	0.48	2.67	4.16	4.31	0.30	0.45
130.0	0.37	0.11	1.22	0.30	1.89	0.30	0.56	2.49	3.46	3.23	0.15	0.41
135.0	0.33	0.11	0.93	0.19	1.19	0.19	0.60	2.30	2.86	2.34	0.15	0.37
140.0	0.33	0.11	0.78	0.11	0.86	0.11	0.60	2.12	2.38	1.71	0.15	0.37
145.0	0.30	0.11	0.67	0.11	0.74	0.11	0.63	1.97	2.00	1.30	0.15	0.33
150.0	0.30	0.11	0.60	0.15	0.67	0.15	0.67	1.82	1.71	1.00	0.15	0.30
155.0	0.26	0.11	0.52	0.15	0.60	0.15	0.71	1.67	1.41	0.78	0.15	0.30
160.0	0.26	0.15	0.48	0.15	0.56	0.15	0.74	1.56	1.19	0.63	0.15	0.26
165.0	0.26	0.15	0.45	0.15	0.48	0.15	0.74	1.45	0.97	0.52	0.15	0.26
170.0	0.30	0.15	0.41	0.15	0.45	0.15	0.78	1.33	0.82	0.45	0.15	0.26
175.0	0.63	0.52	0.45	0.15	0.41	0.15	0.74	1.22	0.71	0.41	0.15	0.22
180.0	0.89	0.82	0.71	0.22	0.37	0.19	0.71	1.04	0.63	0.37	0.19	0.22

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
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Test Set: 7.0deg/s C-Gamma (TYPE C)
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 Remarks: