

LUMINAIRE PHOTOMETRIC TEST REPORT

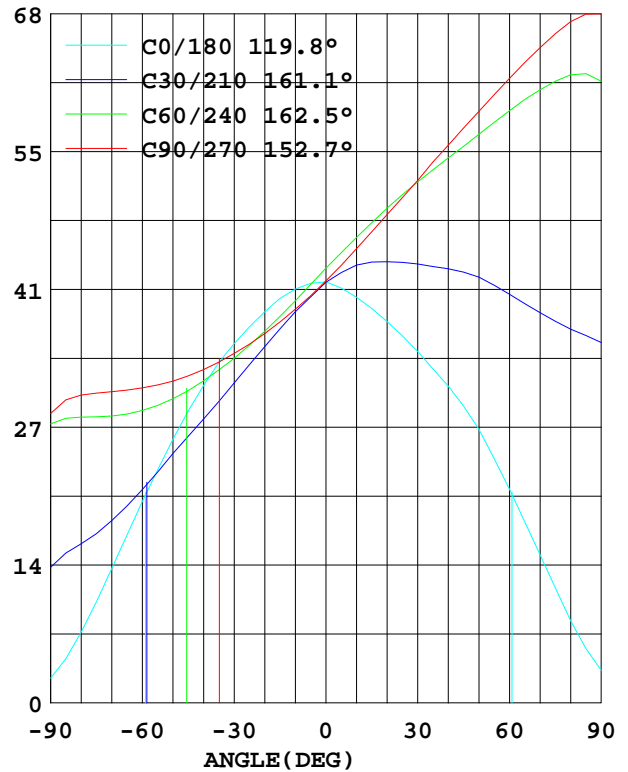
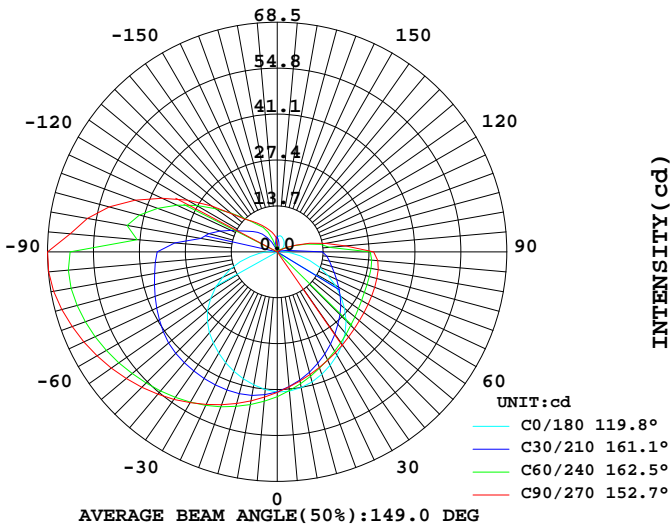
Report number:

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

DATA OF LAMP		I _{max} (cd)	68.46	S/MH(C0/180)	1.27
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	288.00	Voltage(V)	24.52
RATED VOLTAGE(V)	25	EFFICIENCY(lm/W)	33.3	Current(A)	0.352
NOMINAL FLUX(lm)	288.0	η up(%)	22.6	Power(W)	8.640
LAMPS QUANTITY	1	η down(%)	77.4	Power Factor(PF)	1.000
TEST VOLTAGE(V)	24.5	Effective Flux(lm)	120.0	EEL	0.557

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



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:

Color Temperature Data List

Report number:

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

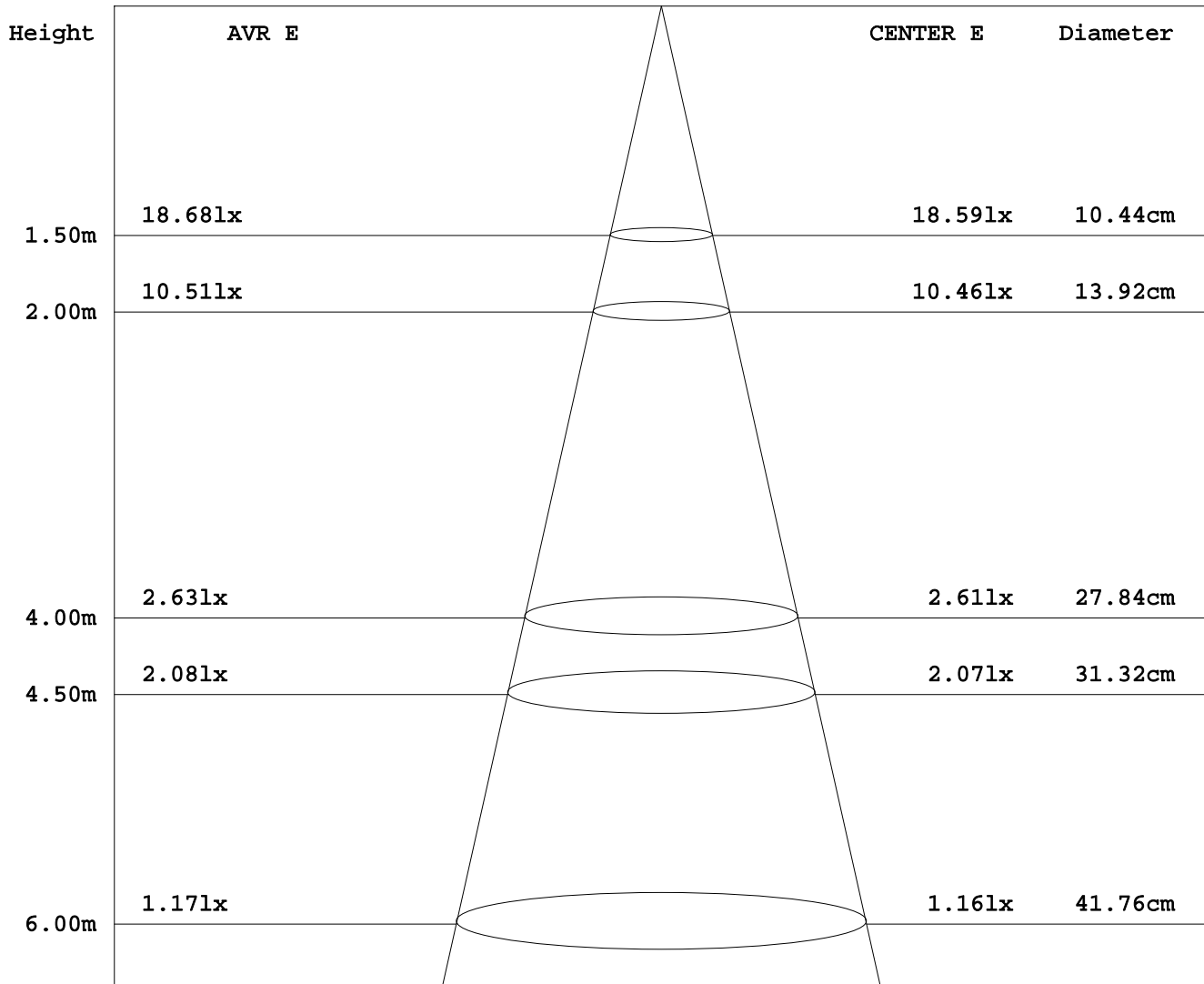
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:06-27-2025

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: 4.0deg

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	41.11	39.38	39.10	39.53	40.29	44.87	45.13	43.23	0- 10	3.993	3.993
20.0	38.84	36.14	36.68	36.68	37.87	46.49	48.52	43.85	10- 20	11.66	15.65
30.0	35.68	33.00	34.71	33.67	34.90	47.68	51.90	44.16	20- 30	18.55	34.21
40.0	31.51	30.10	33.11	30.62	31.47	48.63	55.40	44.42	30- 40	24.42	58.64
50.0	26.19	27.49	31.96	27.49	27.20	49.39	58.75	44.61	40- 50	29.08	87.72
60.0	20.01	25.13	31.29	24.52	21.24	49.71	62.02	44.41	50- 60	32.29	120.0
70.0	13.35	23.31	30.92	22.08	14.73	49.84	65.08	44.16	60- 70	34.10	154.1
80.0	7.032	22.10	30.58	20.44	8.186	49.76	67.68	43.79	70- 80	34.74	188.8
90.0	2.455	20.59	28.76	19.29	3.237	48.78	68.46	42.15	80- 90	34.19	223.0
100.0	0.930	7.888	14.69	11.21	0.633	34.32	57.48	25.15	90-100	25.23	248.2
110.0	1.041	3.032	5.916	6.567	0.335	28.11	45.13	13.37	100-110	17.05	265.3
120.0	1.711	1.116	1.451	3.590	0.298	20.11	30.88	5.655	110-120	10.23	275.5
130.0	2.493	0.726	0.298	2.102	0.298	13.76	17.71	2.790	120-130	5.702	281.2
140.0	3.237	0.651	0.298	1.339	0.298	9.339	12.05	1.469	130-140	3.219	284.4
150.0	3.944	0.595	0.298	0.856	0.335	5.934	9.190	0.744	140-150	1.863	286.3
160.0	4.576	1.041	0.298	0.633	0.372	2.567	6.995	0.465	150-160	0.992	287.3
170.0	4.911	2.307	0.298	0.502	0.744	1.600	5.172	0.447	160-170	0.482	287.8
180.0	4.353	2.679	0.335	0.428	3.795	2.865	1.004	0.633	170-180	0.177	288.0
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:

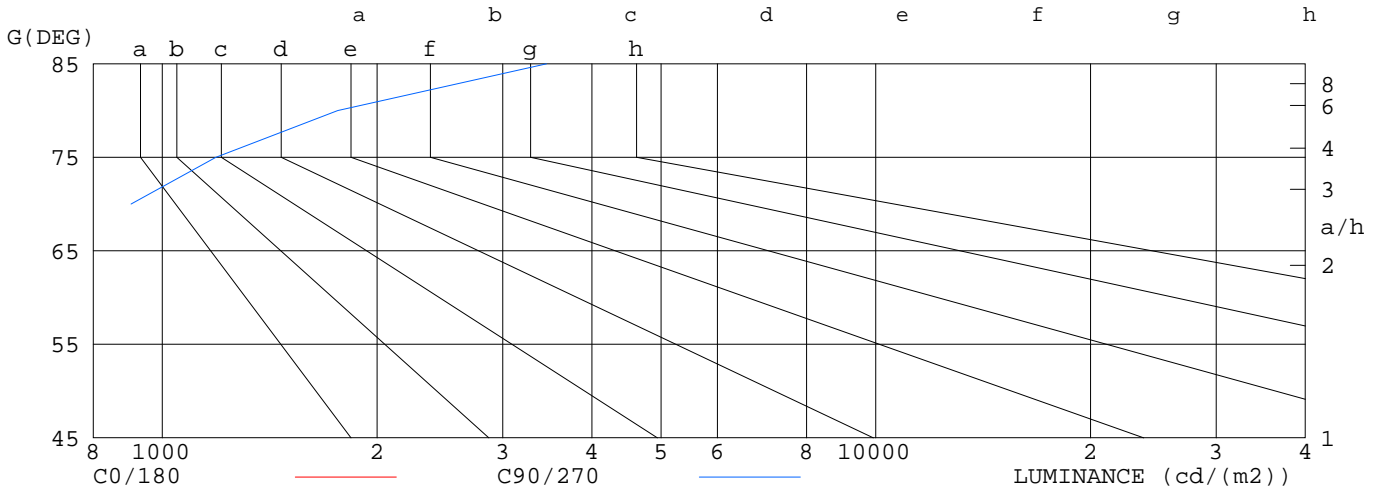
LUMINANCE LIMITATION CURVES

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	504	3454
80	405	1761
75	388	1189
70	391	904
65	394	735
60	400	626
55	404	551
50	408	497
45	410	459

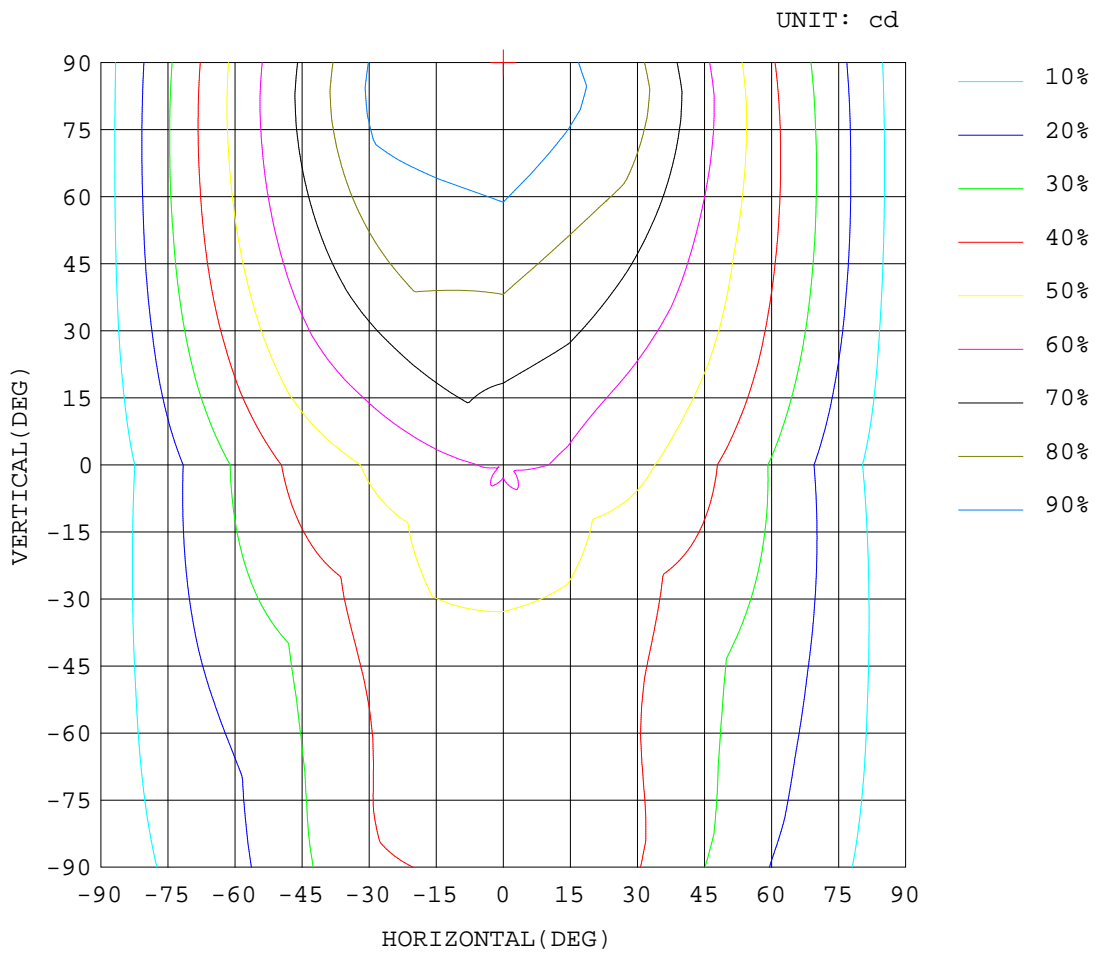
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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.:



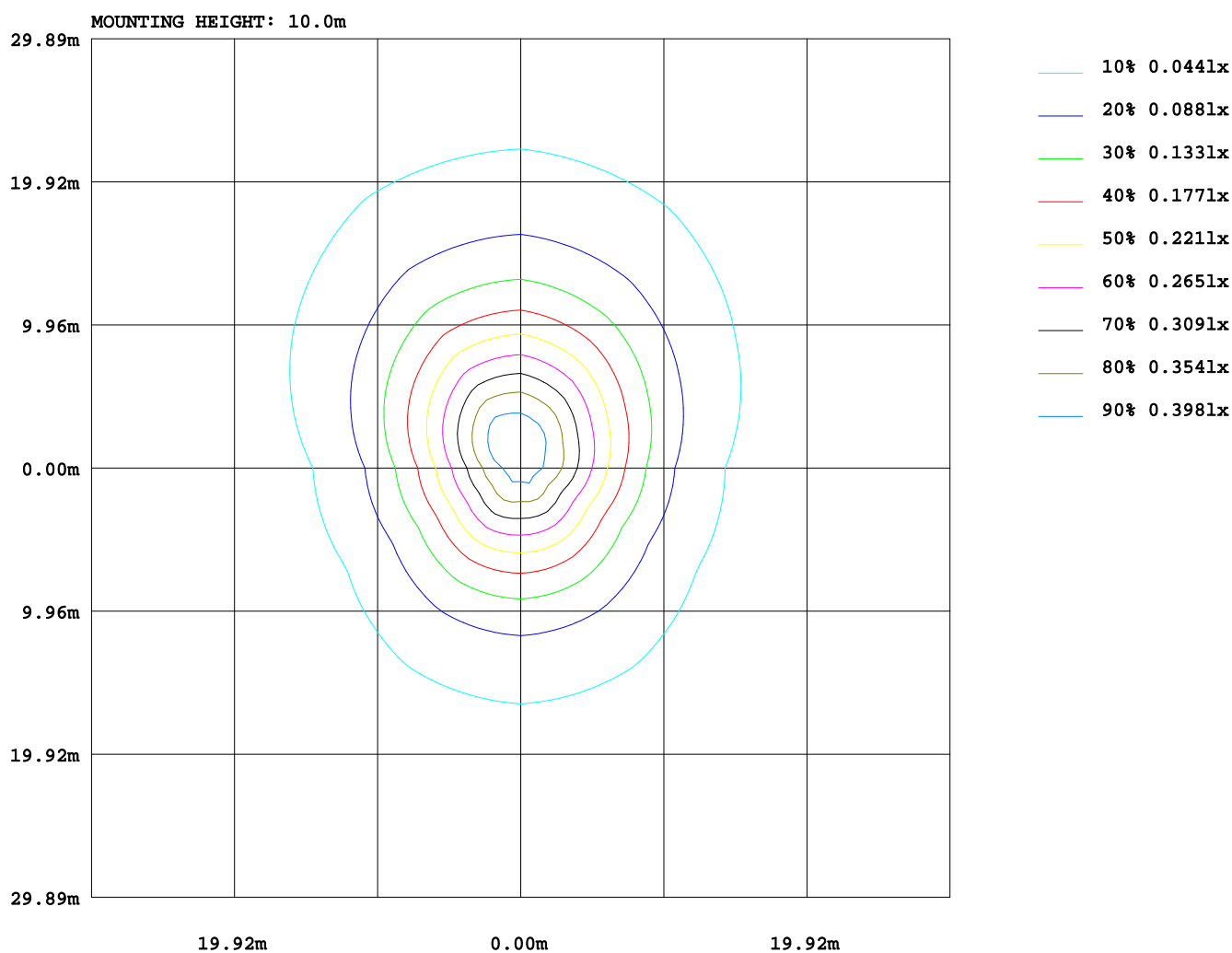
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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.:			

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			
90	0.03	0.16	0.40	0.71	1.05	1.44	1.74	1.91	2.03	2.01	1.84	1.62	1.30	0.92	0.58	0.31	0.13	0.02	18.2	17.2		
80	0.03	0.16	0.40	0.71	1.05	1.42	1.72	1.88	1.98	1.96	1.80	1.60	1.29	0.92	0.59	0.32	0.13	0.02	18.0	16.9		
70	0.03	0.16	0.39	0.69	1.02	1.37	1.67	1.81	1.90	1.87	1.72	1.53	1.23	0.90	0.58	0.32	0.13	0.02	17.4	16.3		
60	0.03	0.16	0.38	0.67	0.99	1.31	1.59	1.73	1.81	1.78	1.64	1.45	1.17	0.87	0.57	0.32	0.13	0.02	16.6	15.6		
50	0.03	0.15	0.37	0.64	0.94	1.23	1.51	1.65	1.72	1.68	1.55	1.37	1.11	0.83	0.55	0.31	0.13	0.02	15.8	14.8		
40	0.03	0.14	0.35	0.61	0.89	1.16	1.40	1.57	1.62	1.58	1.46	1.28	1.05	0.79	0.53	0.30	0.12	0.02	14.9	13.9		
30	0.02	0.13	0.32	0.57	0.83	1.08	1.30	1.48	1.53	1.48	1.37	1.19	0.99	0.76	0.51	0.28	0.11	0.02	14.0	13.1		
20	0.02	0.12	0.29	0.52	0.76	0.99	1.19	1.36	1.44	1.39	1.28	1.12	0.93	0.71	0.48	0.26	0.10	0.02	13.0	12.1		
10	0.02	0.10	0.25	0.46	0.68	0.89	1.07	1.22	1.32	1.30	1.20	1.06	0.87	0.66	0.43	0.23	0.09	0.02	11.8	11.1		
0	0.02	0.09	0.23	0.42	0.62	0.81	0.98	1.11	1.21	1.21	1.11	0.99	0.81	0.61	0.40	0.22	0.08	0.01	10.9	10.3		
-10	0.02	0.09	0.23	0.40	0.59	0.76	0.91	1.06	1.15	1.14	1.04	0.90	0.75	0.58	0.39	0.22	0.09	0.02	10.3	9.69		
-20	0.02	0.09	0.22	0.37	0.54	0.70	0.88	1.02	1.08	1.07	1.00	0.86	0.70	0.54	0.37	0.21	0.09	0.02	9.79	9.15		
-30	0.02	0.09	0.20	0.34	0.49	0.68	0.85	0.97	1.02	1.01	0.96	0.84	0.67	0.50	0.35	0.21	0.09	0.02	9.31	8.69		
-40	0.02	0.08	0.19	0.31	0.47	0.65	0.82	0.93	0.98	0.97	0.92	0.81	0.66	0.49	0.33	0.20	0.08	0.02	8.92	8.33		
-50	0.02	0.08	0.17	0.29	0.45	0.63	0.80	0.89	0.95	0.95	0.89	0.80	0.65	0.48	0.32	0.19	0.08	0.02	8.63	8.08		
-60	0.02	0.07	0.16	0.28	0.44	0.62	0.78	0.87	0.93	0.93	0.87	0.79	0.65	0.47	0.31	0.18	0.08	0.02	8.45	7.93		
-70	0.02	0.07	0.15	0.27	0.43	0.62	0.77	0.85	0.92	0.92	0.87	0.79	0.65	0.47	0.30	0.17	0.07	0.01	8.34	7.85		
-80	0.01	0.06	0.14	0.26	0.42	0.61	0.76	0.84	0.89	0.90	0.85	0.78	0.64	0.46	0.29	0.16	0.07	0.01	8.16	7.70		
-90																						
	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90			
Φ t	0.38	2.02	4.84	8.50	12.6	17.0	20.7	23.2	24.5	24.2	22.4	19.8	16.1	11.9	7.89	4.41	1.79	0.32	288			
Φ a	0.00	0.00	0.00	8.50	12.6	17.0	20.7	23.2	24.5	24.2	22.4	19.8	16.1	11.9	7.89	0.00	0.00	0.00				120

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

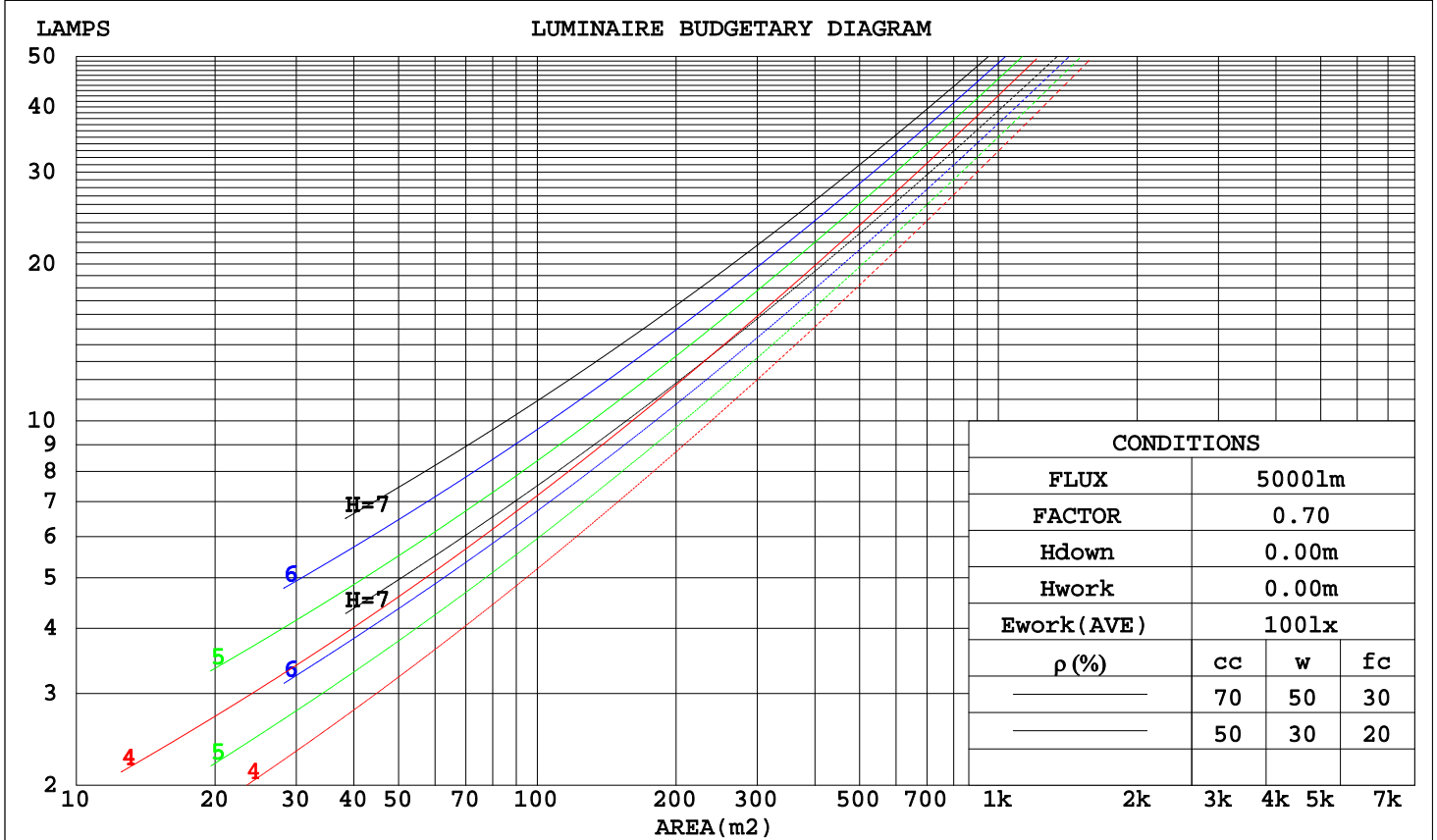
Test Set: 7.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:6.100 m
 Remarks:

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	1.08	1.08	1.08	.99	.99	.99	.90	.90	.90	.81	.81	.81	.77
1.0	.91	.85	.79	.87	.81	.76	.78	.74	.69	.70	.67	.63	.63	.60	.57	.53
2.0	.77	.68	.61	.73	.65	.58	.65	.59	.53	.59	.53	.49	.52	.48	.44	.41
3.0	.66	.56	.48	.63	.54	.46	.56	.49	.43	.50	.44	.39	.45	.40	.36	.32
4.0	.57	.47	.40	.55	.45	.38	.49	.41	.35	.44	.37	.32	.39	.34	.29	.26
5.0	.51	.41	.33	.48	.39	.32	.43	.36	.30	.39	.32	.27	.35	.29	.25	.22
6.0	.45	.35	.28	.43	.34	.27	.39	.31	.25	.35	.28	.23	.31	.26	.21	.19
7.0	.41	.31	.25	.39	.30	.24	.35	.27	.22	.32	.25	.20	.28	.23	.19	.16
8.0	.37	.28	.22	.35	.27	.21	.32	.25	.19	.29	.22	.18	.26	.21	.16	.14
9.0	.34	.25	.19	.32	.24	.18	.29	.22	.17	.26	.20	.16	.24	.19	.15	.12
10.0	.31	.23	.17	.29	.22	.16	.27	.20	.15	.24	.18	.14	.22	.17	.13	.11



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:

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	.448	.255	.081	.433	.247	.079	.407	.233	.075	.382	.220	.071	.360	.208	.067	
2.0	.371	.203	.062	.358	.197	.061	.333	.185	.058	.311	.174	.055	.290	.164	.052	
3.0	.321	.171	.051	.310	.166	.050	.288	.156	.047	.267	.146	.045	.248	.137	.043	
4.0	.284	.148	.043	.274	.143	.042	.254	.135	.040	.235	.126	.038	.218	.118	.036	
5.0	.256	.130	.038	.246	.126	.037	.228	.119	.035	.211	.111	.033	.195	.104	.031	
6.0	.232	.116	.033	.223	.113	.032	.207	.106	.031	.191	.099	.029	.177	.093	.028	
7.0	.213	.105	.030	.205	.102	.029	.189	.096	.028	.175	.090	.026	.162	.084	.025	
8.0	.196	.096	.027	.189	.093	.026	.175	.087	.025	.162	.082	.024	.149	.077	.022	
9.0	.182	.088	.025	.175	.085	.024	.162	.080	.023	.150	.075	.022	.139	.070	.020	
10.0	.170	.081	.023	.164	.079	.022	.152	.074	.021	.140	.070	.020	.130	.065	.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	.362	.362	.362	.310	.310	.310	.211	.211	.211	.121	.121	.121	.039	.039	.039	
1.0	.363	.328	.297	.311	.282	.255	.213	.194	.177	.122	.112	.103	.039	.036	.033	
2.0	.357	.306	.263	.306	.263	.227	.210	.182	.159	.121	.106	.093	.039	.034	.030	
3.0	.350	.290	.242	.300	.250	.210	.206	.174	.147	.119	.101	.087	.038	.033	.028	
4.0	.342	.278	.229	.293	.240	.199	.202	.167	.140	.117	.098	.083	.038	.032	.027	
5.0	.334	.268	.220	.287	.232	.192	.197	.162	.135	.114	.095	.080	.037	.031	.026	
6.0	.326	.261	.214	.280	.226	.186	.193	.158	.132	.112	.093	.078	.036	.030	.026	
7.0	.318	.254	.209	.274	.220	.182	.189	.154	.129	.110	.091	.077	.036	.030	.025	
8.0	.311	.249	.205	.268	.216	.179	.185	.151	.127	.108	.089	.076	.035	.029	.025	
9.0	.305	.244	.203	.263	.212	.177	.182	.149	.125	.106	.088	.075	.034	.029	.025	
10.0	.299	.240	.200	.258	.208	.175	.179	.146	.124	.104	.087	.074	.034	.028	.025	

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		6.6	8.0	7.2	8.6	9.3	8.7	10.1	9.3	10.7	11.4
	3H	8.5	9.8	9.1	10.4	11.1	11.9	13.2	12.5	13.8	14.5
	4H	9.4	10.6	10.0	11.2	12.0	13.8	15.0	14.4	15.6	16.4
	6H	10.1	11.3	10.8	11.9	12.7	15.8	17.0	16.5	17.6	18.4
	8H	10.4	11.6	11.1	12.2	13.0	17.0	18.1	17.6	18.8	19.6
	12H	10.7	11.8	11.4	12.5	13.3	18.4	19.4	19.0	20.1	20.9
	4H 2H	7.8	9.1	8.4	9.7	10.4	9.4	10.6	10.0	11.2	12.0
	3H	9.9	11.0	10.6	11.7	12.5	12.8	13.9	13.5	14.6	15.4
	4H	11.0	12.0	11.7	12.7	13.5	14.9	15.9	15.6	16.6	17.4
	6H	12.0	12.9	12.7	13.6	14.5	17.2	18.1	17.9	18.8	19.6
	8H	12.5	13.3	13.2	14.0	14.9	18.4	19.3	19.2	20.0	20.9
	12H	12.9	13.7	13.6	14.4	15.3	20.0	20.8	20.7	21.5	22.4
	8H 4H	12.4	13.2	13.1	13.9	14.8	15.3	16.2	16.0	16.9	17.7
	6H	13.8	14.5	14.5	15.3	16.1	18.0	18.7	18.7	19.4	20.3
	8H	14.5	15.1	15.2	15.9	16.8	19.5	20.1	20.2	20.9	21.8
	12H	15.2	15.8	16.0	16.6	17.5	21.3	21.9	22.1	22.7	23.6
	12H 4H	12.9	13.7	13.6	14.4	15.3	15.3	16.1	16.1	16.9	17.8
	6H	14.6	15.2	15.3	16.0	16.9	18.1	18.8	18.9	19.5	20.5
	8H	15.4	16.0	16.2	16.8	17.7	19.8	20.4	20.5	21.1	22.1
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		+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 288.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.3)

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	43	30	22	42	29	22	40	28	22	15	
0.80	52	38	29	50	37	29	47	35	28	19	
1.00	59	45	36	57	44	35	53	44	34	24	
1.25	66	52	42	63	50	41	59	47	40	29	
1.50	71	57	47	68	55	46	63	52	44	33	
2.00	78	66	56	75	63	55	69	59	52	39	
2.50	83	71	62	80	69	60	73	64	57	43	
3.00	87	76	68	83	73	65	76	68	61	46	
4.00	92	83	75	88	80	72	80	73	67	51	
5.00	96	87	80	91	84	77	83	77	72	55	
ROOM INDEX	UF(total)									Direct	
According to DIN EN 13032-2 2004				Suspended				SHRNOM = 1.25			

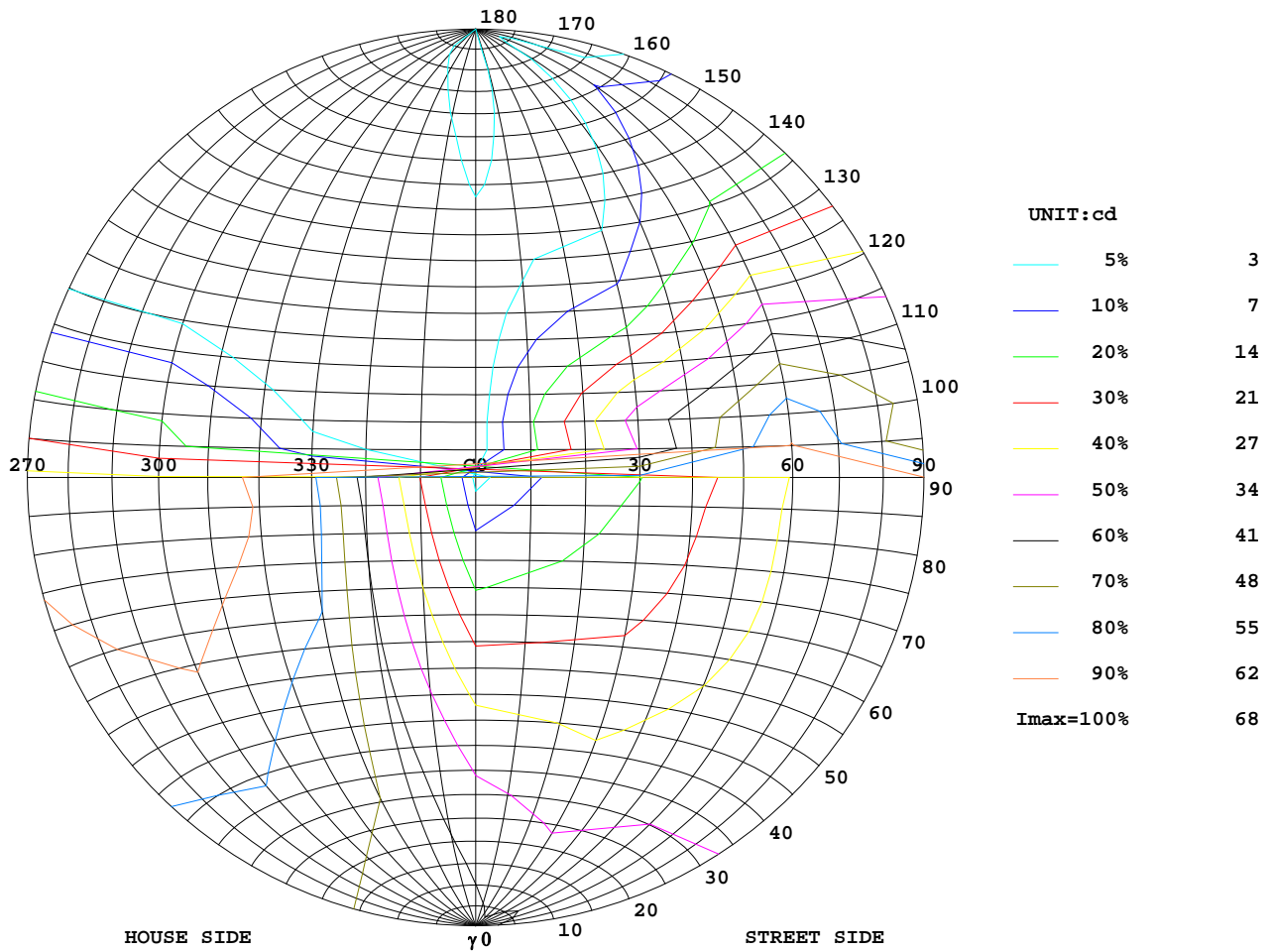
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:06-27-2025

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

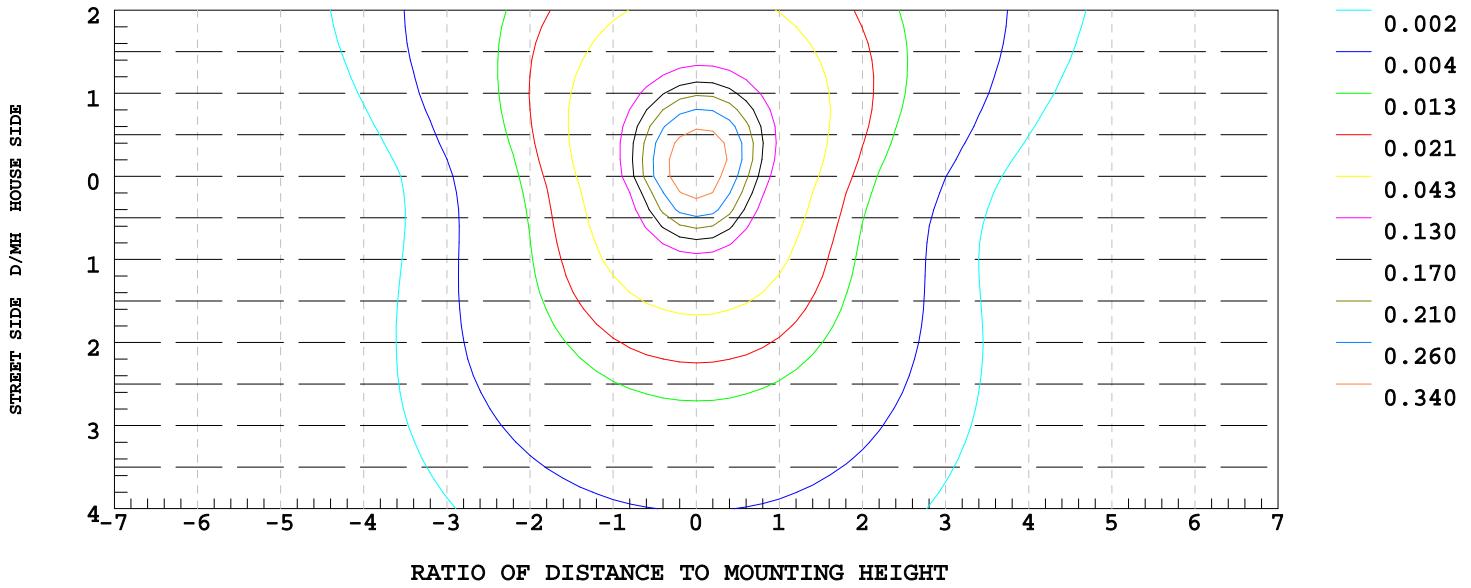
Test Set: 7.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 6.100 m
 Remarks:

ISOLUX DIAGRAM

Report number:

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

ILLUMINANCE AT MH=10 m, Enadir = 0.42 lx



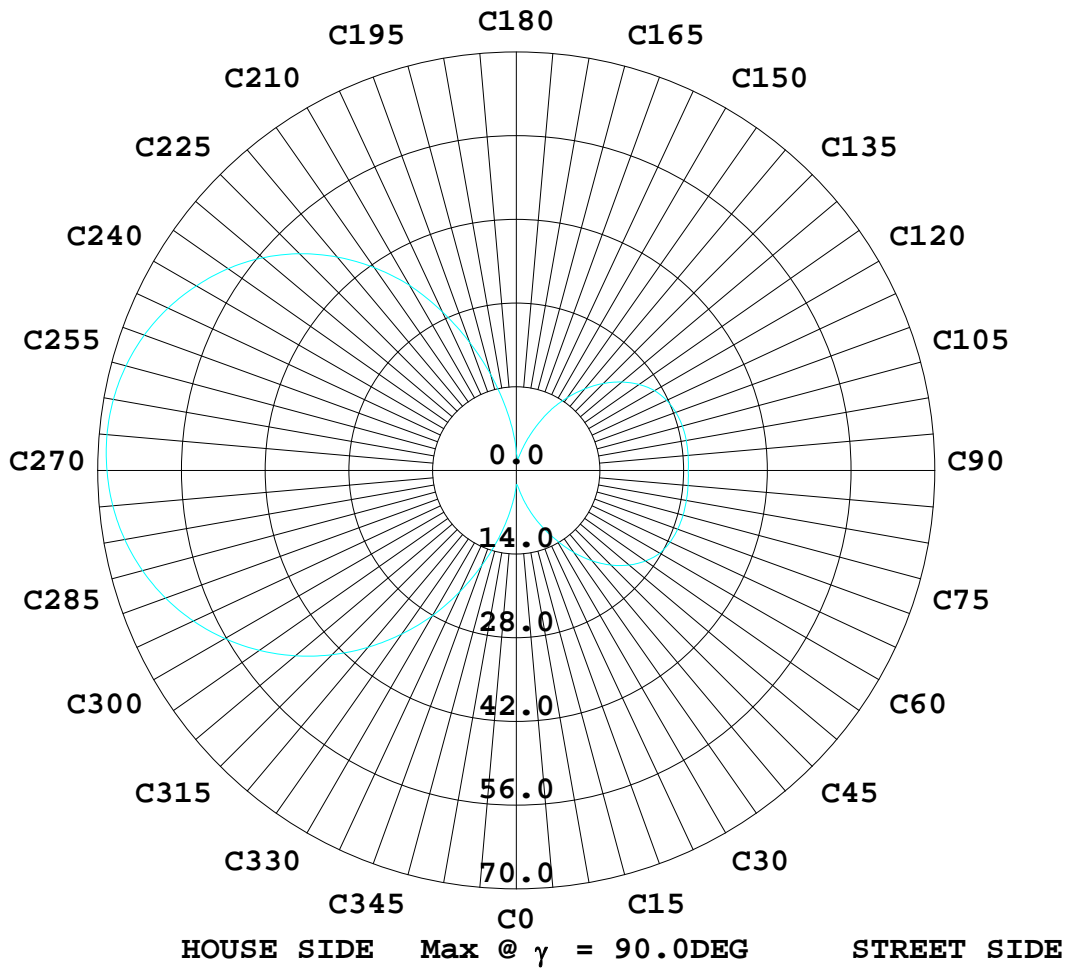
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 06-27-2025

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	41.8	41.7	43.2	41.9	42.4	41.1	41.8	41.7	43.2	41.9	42.4	41.1
5.0	41.6	40.3	41.5	40.4	41.2	40.2	41.2	42.7	44.7	43.4	43.4	41.8
10.0	41.1	38.8	39.9	39.1	39.9	39.1	40.2	43.4	46.2	45.1	44.4	42.0
15.0	40.1	37.1	38.4	37.8	38.7	37.5	39.1	43.7	47.7	46.8	45.3	41.8
20.0	38.8	35.3	36.9	36.6	37.5	35.8	37.8	43.8	49.1	48.5	46.2	41.4
25.0	37.3	33.6	35.5	35.6	36.2	34.1	36.4	43.7	50.4	50.1	46.9	41.0
30.0	35.6	31.7	34.2	34.7	34.9	32.3	34.9	43.6	51.7	51.9	47.8	40.5
35.0	33.8	29.9	33.0	33.8	33.7	30.5	33.1	43.3	52.9	53.7	48.6	40.0
40.0	31.5	28.2	32.0	33.1	32.6	28.6	31.4	43.1	54.1	55.4	49.4	39.4
45.0	29.0	26.4	31.0	32.4	31.5	26.6	29.4	42.7	55.2	57.1	50.3	38.7
50.0	26.1	24.7	30.2	31.9	30.5	24.4	27.2	42.3	56.4	58.7	51.2	37.9
55.0	23.1	22.9	29.5	31.5	29.6	22.2	24.2	41.4	57.6	60.4	52.2	36.8
60.0	20.0	21.2	29.0	31.2	28.8	20.1	21.2	40.5	58.8	62.0	53.2	35.5
65.0	16.6	19.5	28.6	31.0	28.2	18.1	17.9	39.6	59.9	63.6	54.4	34.1
70.0	13.3	18.1	28.5	30.9	27.7	16.3	14.7	38.7	60.9	65.0	55.5	32.7
75.0	10.0	16.8	28.4	30.7	27.4	14.7	11.4	37.9	61.7	66.4	56.5	31.5
80.0	7.03	15.8	28.3	30.5	27.3	13.5	8.18	37.1	62.4	67.6	57.3	30.2
85.0	4.39	14.8	28.2	30.1	27.1	12.6	5.39	36.5	62.5	68.4	57.5	29.1
90.0	2.45	13.4	27.7	28.7	26.7	11.8	3.23	35.7	61.7	68.4	56.2	28.0
95.0	1.11	4.57	15.7	20.5	17.3	7.18	1.60	30.6	41.9	61.9	34.6	19.6
100.0	0.93	2.67	13.0	14.6	16.5	5.91	0.63	23.1	45.4	57.4	37.0	13.2
105.0	0.86	1.26	9.07	10.0	13.2	4.27	0.45	21.0	42.5	51.9	30.8	8.11
110.0	1.04	0.60	5.46	5.91	9.97	3.16	0.33	18.2	37.9	45.1	22.7	4.01
115.0	1.33	0.41	3.16	3.34	7.18	2.53	0.30	15.2	33.0	37.9	15.2	2.19
120.0	1.71	0.37	1.86	1.45	5.09	2.08	0.30	12.5	27.6	30.8	9.97	1.33
125.0	2.08	0.33	1.33	0.41	3.68	1.74	0.33	10.7	22.5	23.9	6.40	1.04
130.0	2.49	0.33	1.11	0.30	2.67	1.52	0.30	9.45	18.0	17.7	4.65	0.93
135.0	2.86	0.37	0.97	0.30	2.04	1.30	0.30	8.29	14.4	13.9	3.27	0.82
140.0	3.23	0.41	0.89	0.30	1.56	1.11	0.30	6.92	11.7	12.0	2.19	0.74
145.0	3.60	0.41	0.82	0.30	1.19	0.93	0.30	5.20	9.74	10.4	1.37	0.71
150.0	3.94	0.45	0.74	0.30	0.93	0.78	0.33	3.42	8.44	9.19	0.82	0.67
155.0	4.24	0.78	0.71	0.30	0.78	0.67	0.37	1.71	6.51	8.00	0.48	0.63
160.0	4.57	1.41	0.67	0.30	0.71	0.56	0.37	1.30	3.83	6.99	0.33	0.60
165.0	4.80	2.12	0.82	0.30	0.67	0.45	0.41	1.93	1.04	6.06	0.33	0.56
170.0	4.91	2.93	1.67	0.30	0.63	0.37	0.74	2.86	0.33	5.17	0.37	0.52
175.0	4.72	3.75	1.67	0.30	0.60	0.33	2.30	3.86	0.37	4.39	0.37	0.52
180.0	4.35	4.31	1.04	0.33	0.52	0.33	3.79	4.76	0.97	1.00	0.48	0.78

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

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