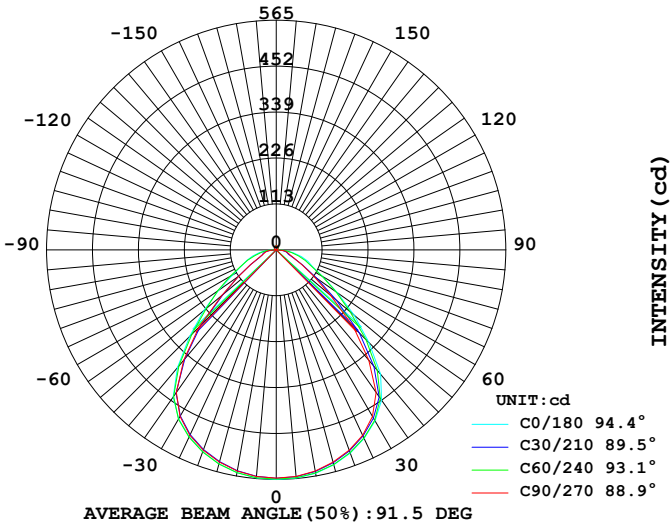
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

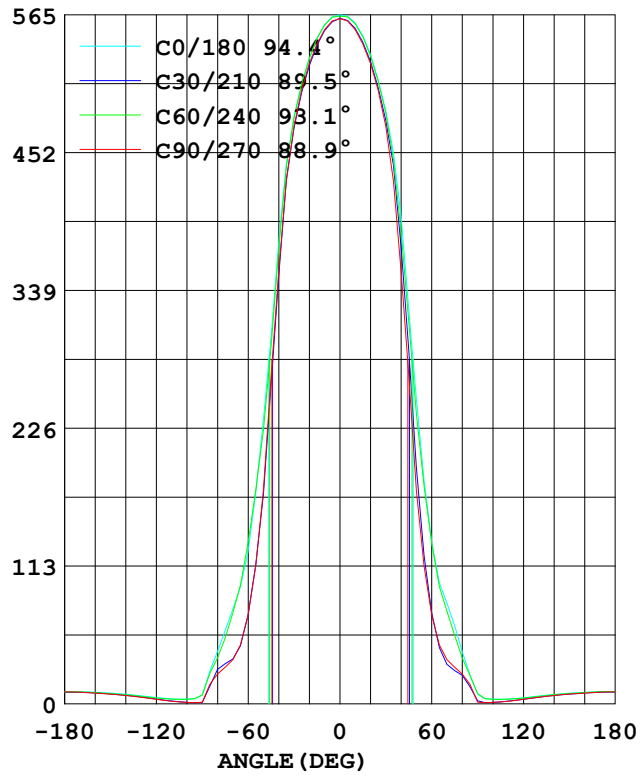
DATA OF LAMP		Imax(cd)	564.5	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	14	TOTAL FLUX(lm)	1241.8	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	83.8	Current(A)	0.068
NOMINAL FLUX(lm)	1241.9	η up(%)	2.6	Power(W)	14.82
LAMPS QUANTITY	1	η down(%)	97.4	Power Factor(PF)	0.989
TEST VOLTAGE(V)	220.4	Effictive Flux(lm)	1066.9	EEI	0.183

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):91.5 DEG

LUMINOUS INTENSITY DISTRIBUTION



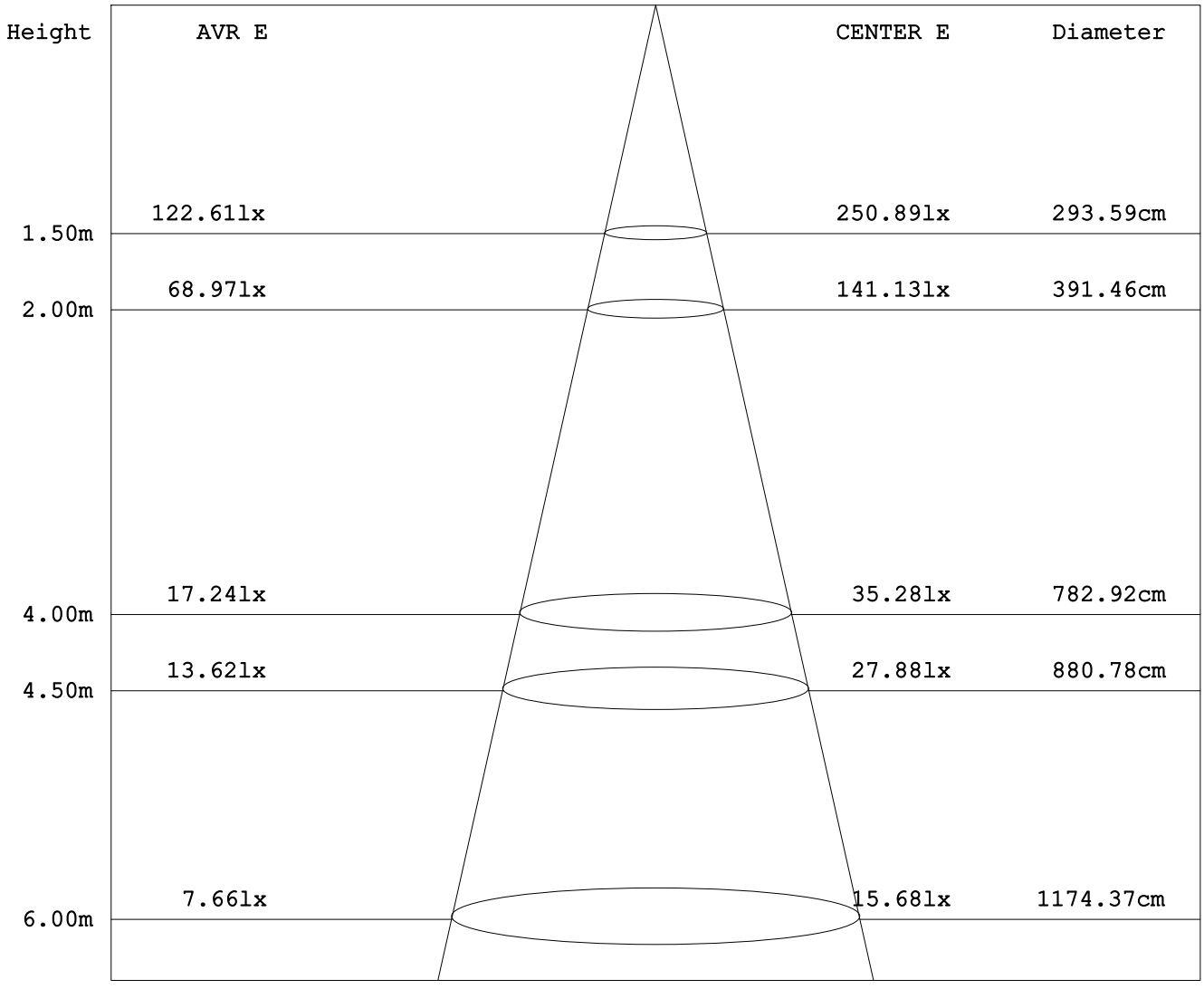
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**



Angle:88.8deg

Test System:HOPOO HPG1900
Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG
Humidity:65.0%
Operators:
Test Distance:10.000 m
Test Date:2025年03月26日
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
10.0	556.1	553.9	552.4	555.2	557.7	555.2	552.4	553.9	0- 10	53.34	53.34
20.0	528.0	525.5	524.4	528.5	531.8	528.5	524.4	525.5	10- 20	153.3	206.6
30.0	479.8	477.0	473.2	481.6	485.9	481.6	473.2	477.0	20- 30	233.0	439.7
40.0	377.8	360.5	353.8	381.5	399.2	381.5	353.8	360.5	30- 40	270.4	710.1
50.0	233.0	200.6	175.3	219.2	250.2	219.2	175.3	200.6	40- 50	223.6	933.7
60.0	124.6	100.1	72.79	101.3	132.5	101.3	72.79	100.1	50- 60	133.1	1067
70.0	77.60	57.79	36.29	55.35	82.50	55.35	36.29	57.79	60- 70	74.09	1141
80.0	43.00	33.04	24.50	31.89	42.69	31.89	24.50	33.04	70- 80	47.79	1189
90.0	7.100	4.000	1.400	5.100	8.100	5.100	1.400	4.000	80- 90	21.07	1210
100.0	4.000	2.450	1.200	2.450	3.900	2.450	1.200	2.450	90-100	3.358	1213
110.0	4.100	3.050	2.100	3.000	4.000	3.000	2.100	3.050	100-110	2.888	1216
120.0	5.200	4.350	3.700	4.250	5.000	4.250	3.700	4.350	110-120	3.629	1220
130.0	6.600	5.900	5.400	5.800	6.400	5.800	5.400	5.900	120-130	4.581	1224
140.0	7.900	7.150	6.900	7.150	7.700	7.150	6.900	7.150	130-140	5.096	1229
150.0	8.800	8.250	8.000	8.200	8.700	8.200	8.000	8.250	140-150	4.871	1234
160.0	9.500	9.050	8.900	9.100	9.400	9.100	8.900	9.050	150-160	4.024	1238
170.0	10.00	9.600	9.600	9.750	10.00	9.750	9.600	9.600	160-170	2.670	1241
180.0	10.00	9.600	9.900	9.750	10.00	9.750	9.900	9.600	170-180	0.930	1242
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

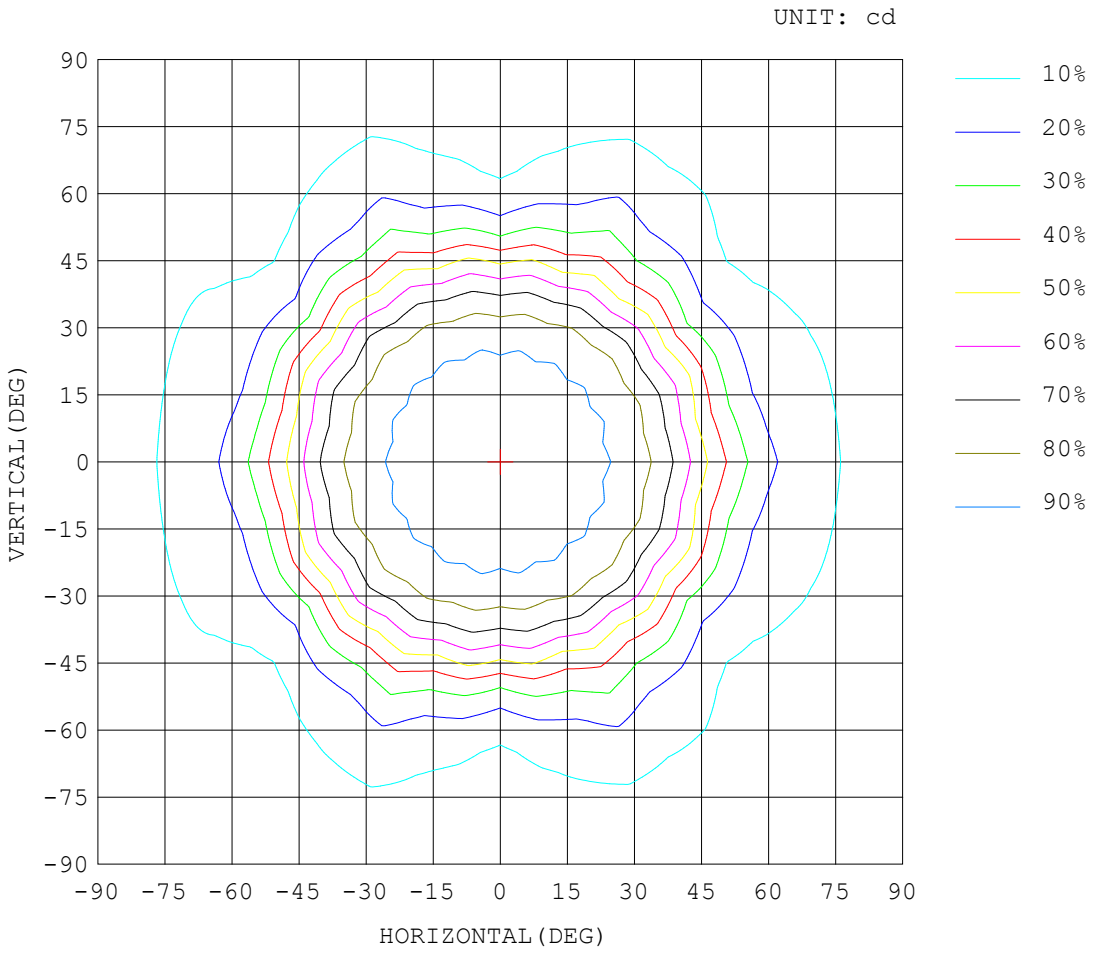
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**



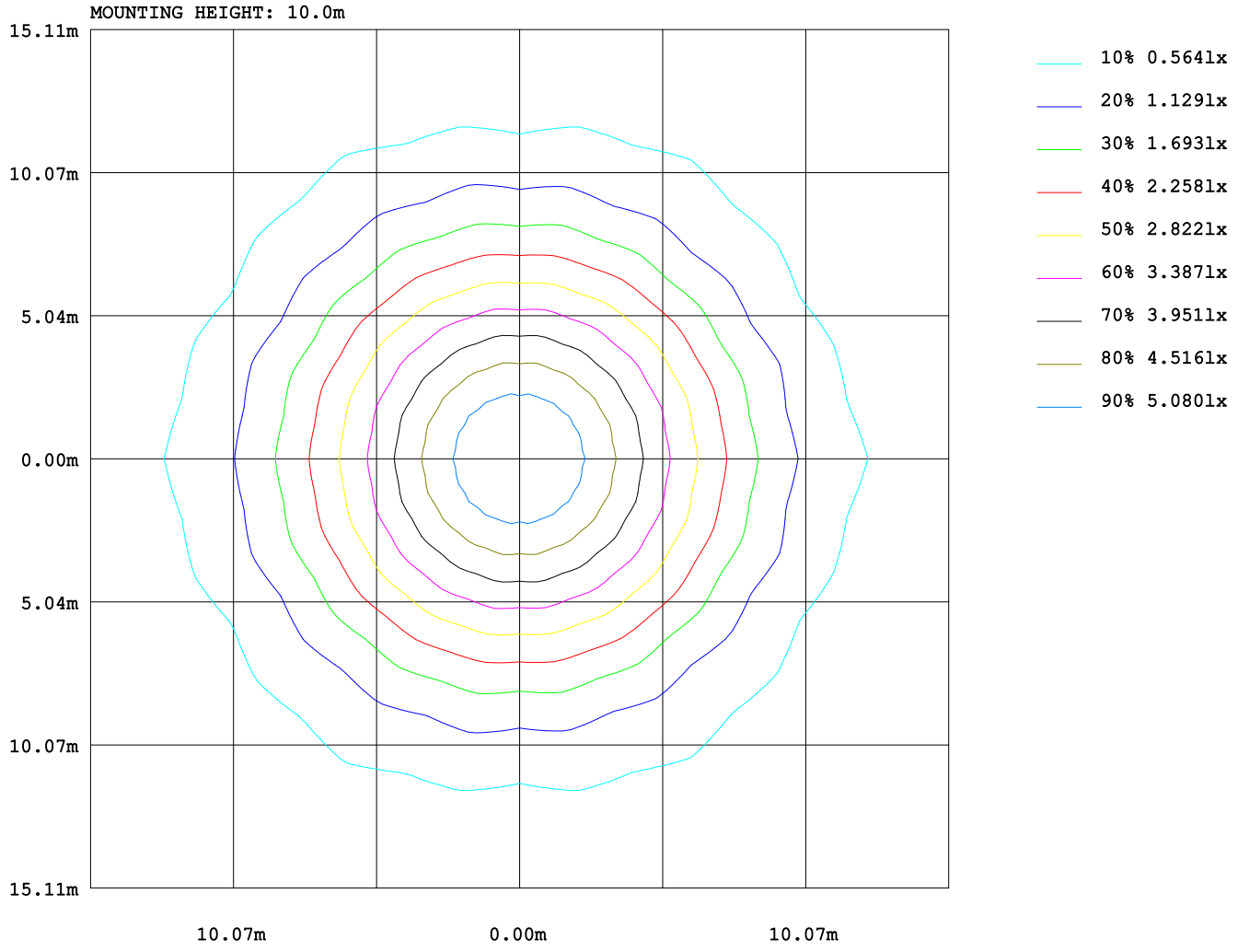
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**

AREA FLUX DIAGRAM — UNIT:lm

VERTICAL(DEG)	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL(DEG) 20	30	40	50	60	70	80	90	Φ t	Φ a
90																		
80	0.02	0.08	0.14	0.21	0.31	0.43	0.51	0.54	0.54	0.55	0.56	0.53	0.44	0.32	0.21	0.13	0.07	0.01	5.60	5.15
70	0.03	0.14	0.28	0.43	0.71	1.01	1.30	1.28	1.10	1.13	1.32	1.30	1.00	0.74	0.47	0.29	0.13	0.03	12.7	11.8
60	0.04	0.19	0.41	0.54	1.00	1.65	2.20	2.06	1.83	1.87	2.18	2.24	1.63	1.08	0.63	0.44	0.19	0.04	20.2	18.9
50	0.04	0.25	0.52	0.64	1.31	2.41	3.76	3.91	3.98	4.02	4.03	3.75	2.38	1.40	0.71	0.54	0.25	0.05	34.0	32.3
40	0.05	0.30	0.64	0.90	1.96	3.95	6.29	7.62	8.50	8.40	7.36	5.92	3.69	1.91	0.90	0.62	0.30	0.06	59.4	57.4
30	0.06	0.36	0.78	1.42	2.99	6.38	9.46	11.8	12.8	12.8	11.5	8.90	5.82	2.75	1.34	0.72	0.34	0.06	90.5	88.2
	0.07	0.41	0.94	2.03	4.72	8.58	12.1	14.2	15.2	15.1	14.1	11.8	7.98	4.22	1.85	0.85	0.39	0.07	115	112
	0.07	0.46	1.10	2.53	6.03	10.3	13.3	15.3	16.3	16.3	15.2	13.2	9.87	5.44	2.28	1.02	0.44	0.08	130	126
	0.08	0.50	1.27	3.08	6.70	10.9	13.9	15.8	16.8	16.8	15.8	13.7	10.5	6.18	2.85	1.20	0.47	0.08	137	133
	0.08	0.50	1.27	3.08	6.70	10.9	13.9	15.8	16.8	16.8	15.8	13.7	10.5	6.18	2.85	1.20	0.47	0.08	137	133
	0.07	0.46	1.10	2.53	6.03	10.3	13.3	15.3	16.3	16.3	15.2	13.2	9.87	5.44	2.28	1.02	0.44	0.08	130	126
-30	0.07	0.41	0.94	2.03	4.72	8.58	12.1	14.2	15.2	15.1	14.1	11.8	7.98	4.22	1.85	0.85	0.39	0.07	115	112
-40	0.06	0.36	0.78	1.42	2.99	6.38	9.46	11.8	12.8	12.8	11.5	8.90	5.82	2.75	1.34	0.72	0.34	0.06	90.5	88.2
-50	0.05	0.30	0.64	0.90	1.96	3.95	6.29	7.62	8.50	8.40	7.36	5.92	3.69	1.91	0.90	0.62	0.30	0.06	59.4	57.4
-60	0.04	0.25	0.52	0.64	1.31	2.41	3.76	3.91	3.98	4.02	4.03	3.75	2.38	1.40	0.71	0.54	0.25	0.05	34.0	32.3
-70	0.04	0.19	0.41	0.54	1.00	1.65	2.20	2.06	1.83	1.87	2.18	2.24	1.63	1.08	0.63	0.44	0.19	0.04	20.2	18.9
-80	0.03	0.14	0.28	0.43	0.71	1.01	1.30	1.28	1.10	1.13	1.32	1.30	1.00	0.74	0.47	0.29	0.13	0.03	12.7	11.8
-90	0.02	0.08	0.14	0.21	0.31	0.43	0.51	0.54	0.54	0.55	0.56	0.53	0.44	0.32	0.21	0.13	0.07	0.01	5.60	5.15
Φ t	0.92	5.37	12.2	23.5	51.5	91.3	126	146	155	154	144	123	86.8	48.1	22.4	11.6	5.16	0.95	1242	
Φ a	0.00	0.00	0.00	23.5	51.5	91.3	126	146	155	154	144	123	86.8	48.1	22.4	0.00	0.00	0.00		1067

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

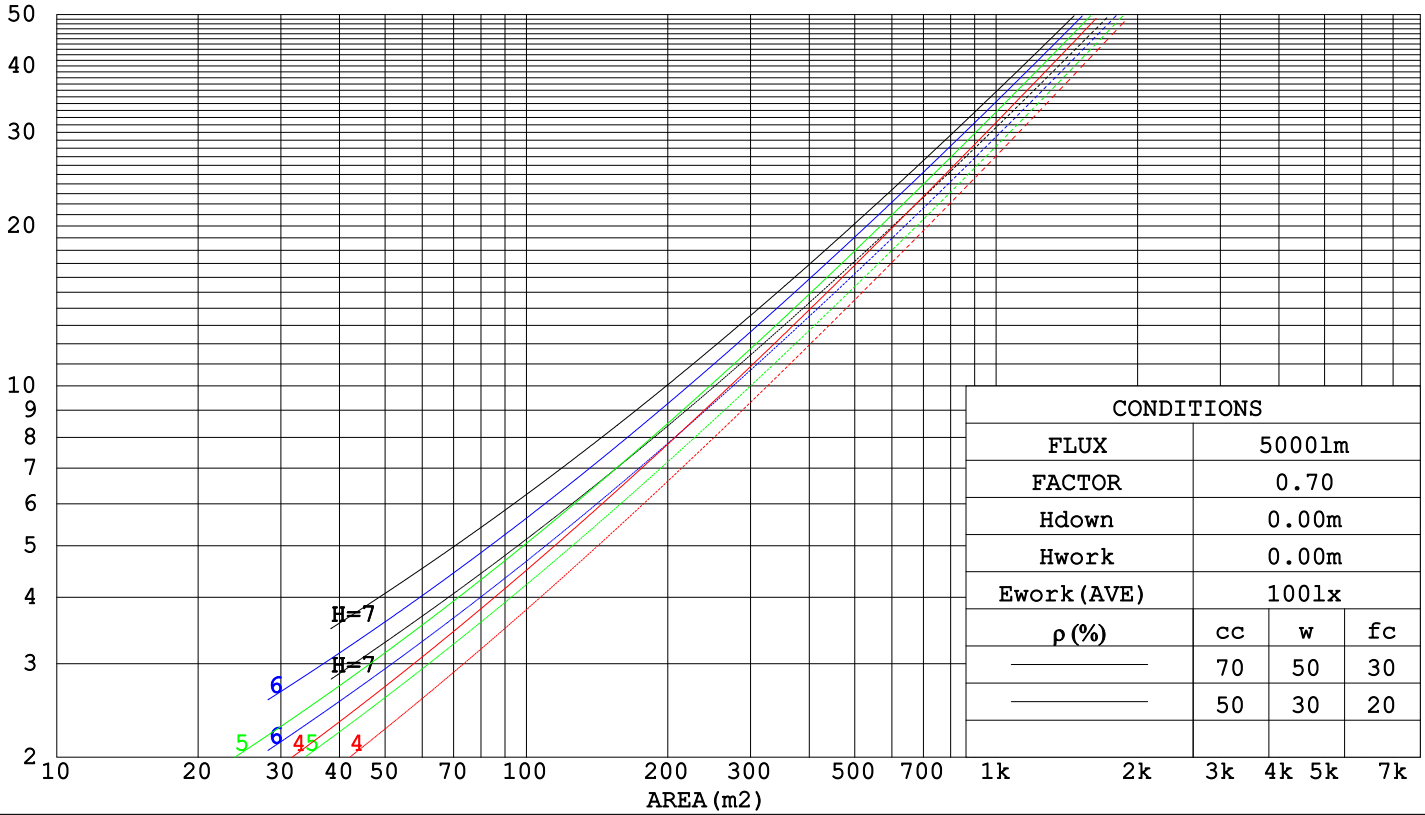
Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.05	1.02	.98	1.03	.00	.97	.98	.96	.93	.94	.92	.90	.90	.88	.87	.85
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.84	.81	.77	.81	.78	.75	.73
3.0	.84	.77	.71	.82	.76	.70	.79	.74	.69	.76	.71	.67	.73	.69	.66	.64
4.0	.76	.68	.62	.74	.67	.61	.72	.65	.60	.69	.64	.59	.67	.62	.58	.56
5.0	.69	.60	.55	.67	.60	.54	.65	.58	.53	.63	.57	.53	.61	.56	.52	.50
6.0	.62	.54	.48	.61	.54	.48	.59	.53	.48	.57	.52	.47	.56	.50	.46	.44
7.0	.57	.49	.43	.56	.49	.43	.54	.48	.43	.53	.47	.42	.51	.46	.42	.40
8.0	.52	.45	.39	.52	.44	.39	.50	.43	.39	.49	.43	.38	.47	.42	.38	.36
9.0	.48	.41	.36	.48	.40	.35	.46	.40	.35	.45	.39	.35	.44	.39	.34	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	50001m		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.00m		
Ework(AVE)	1001x		
ρ(%)	cc	w	fc
————	70	50	30
————	50	30	20

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

WEC AND CCEC

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)									
0.0																
1.0	.268	.152	.048	.260	.148	.047	.245	.141	.045	.232	.134	.043	.220	.127	.041	
2.0	.252	.138	.042	.245	.135	.042	.233	.129	.040	.221	.124	.039	.210	.119	.037	
3.0	.235	.125	.038	.230	.123	.037	.218	.118	.036	.208	.114	.035	.198	.110	.034	
4.0	.220	.114	.034	.215	.112	.033	.205	.109	.032	.195	.105	.032	.187	.102	.031	
5.0	.206	.105	.030	.201	.103	.030	.192	.100	.029	.184	.097	.029	.176	.094	.028	
6.0	.193	.097	.028	.188	.095	.027	.180	.093	.027	.173	.090	.026	.166	.087	.026	
7.0	.181	.089	.025	.177	.088	.025	.170	.086	.025	.163	.084	.024	.157	.082	.024	
8.0	.170	.083	.023	.167	.082	.023	.161	.080	.023	.155	.078	.023	.149	.076	.022	
9.0	.161	.078	.022	.158	.077	.022	.152	.075	.021	.147	.073	.021	.141	.072	.021	
10.0	.152	.073	.020	.149	.072	.020	.144	.071	.020	.139	.069	.020	.134	.068	.019	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.210	.210	.210	.180	.180	.180	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.197	.176	.158	.169	.151	.136	.115	.104	.094	.066	.060	.055	.021	.019	.018	
2.0	.187	.152	.123	.160	.131	.106	.110	.091	.074	.063	.053	.043	.020	.017	.014	
3.0	.178	.134	.099	.153	.116	.086	.105	.080	.060	.060	.047	.036	.019	.015	.012	
4.0	.170	.120	.083	.146	.104	.072	.100	.073	.051	.058	.042	.030	.019	.014	.010	
5.0	.162	.110	.071	.139	.095	.062	.096	.066	.044	.056	.039	.026	.018	.013	.009	
6.0	.155	.101	.062	.134	.088	.054	.092	.061	.038	.053	.036	.023	.017	.012	.008	
7.0	.149	.094	.056	.128	.082	.049	.089	.057	.035	.051	.034	.021	.017	.011	.007	
8.0	.143	.088	.051	.123	.077	.044	.085	.054	.032	.050	.032	.019	.016	.010	.006	
9.0	.137	.084	.047	.118	.073	.041	.082	.051	.029	.048	.030	.017	.015	.010	.006	
10.0	.132	.079	.044	.114	.069	.038	.079	.048	.027	.046	.029	.016	.015	.009	.005	

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

Uncorrected UGR Table

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**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	15.2	16.5	15.5	16.8	17.0	15.5	16.9	15.8	17.1	17.3
3H	16.1	17.3	16.4	17.5	17.8	16.1	17.3	16.4	17.6	17.9
4H	16.7	17.8	17.0	18.1	18.4	16.4	17.6	16.8	17.9	18.2
6H	17.3	18.4	17.7	18.7	19.0	16.9	17.9	17.2	18.2	18.6
8H	17.6	18.7	18.0	19.0	19.3	17.1	18.1	17.5	18.5	18.8
12H	17.9	18.9	18.3	19.2	19.6	17.3	18.3	17.6	18.6	18.9
4H 2H	15.4	16.5	15.7	16.8	17.1	15.7	16.9	16.1	17.2	17.5
3H	16.4	17.4	16.8	17.7	18.0	16.7	17.7	17.1	18.0	18.4
4H	17.2	18.1	17.6	18.4	18.8	17.3	18.2	17.7	18.5	18.9
6H	18.0	18.8	18.5	19.2	19.6	17.9	18.7	18.3	19.1	19.5
8H	18.4	19.2	18.9	19.6	20.0	18.2	19.0	18.7	19.4	19.8
12H	18.7	19.4	19.2	19.8	20.3	18.5	19.2	18.9	19.6	20.0
8H 4H	17.4	18.2	17.9	18.6	19.0	17.5	18.2	17.9	18.6	19.1
6H	18.4	19.0	18.9	19.5	20.0	18.3	19.0	18.8	19.4	19.9
8H	18.9	19.5	19.4	19.9	20.4	18.8	19.4	19.3	19.8	20.3
12H	19.3	19.8	19.8	20.3	20.8	19.2	19.7	19.7	20.2	20.7
12H 4H	17.5	18.1	17.9	18.6	19.0	17.5	18.2	18.0	18.6	19.1
6H	18.5	19.1	19.0	19.5	20.0	18.4	19.0	18.9	19.4	20.0
8H	19.1	19.5	19.6	20.0	20.5	19.0	19.5	19.5	20.0	20.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.6				
1.5H	+ 0.5 / - 0.7					+ 0.3 / - 0.8				
2.0H	+ 1.4 / - 1.0					+ 0.7 / - 1.4				

CIE Pub.117 Corrected 1242 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.8)

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**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	65	55	49	64	54	48	63	54	48	42
0.80	75	65	58	74	64	58	72	63	58	51
1.00	82	73	67	81	72	66	79	73	66	59
1.25	89	80	74	87	79	73	85	78	72	66
1.50	93	85	79	91	84	78	88	82	77	70
2.00	99	92	86	97	90	85	93	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	101	97	101	97	94	85
5.00	110	106	102	107	103	100	102	99	97	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

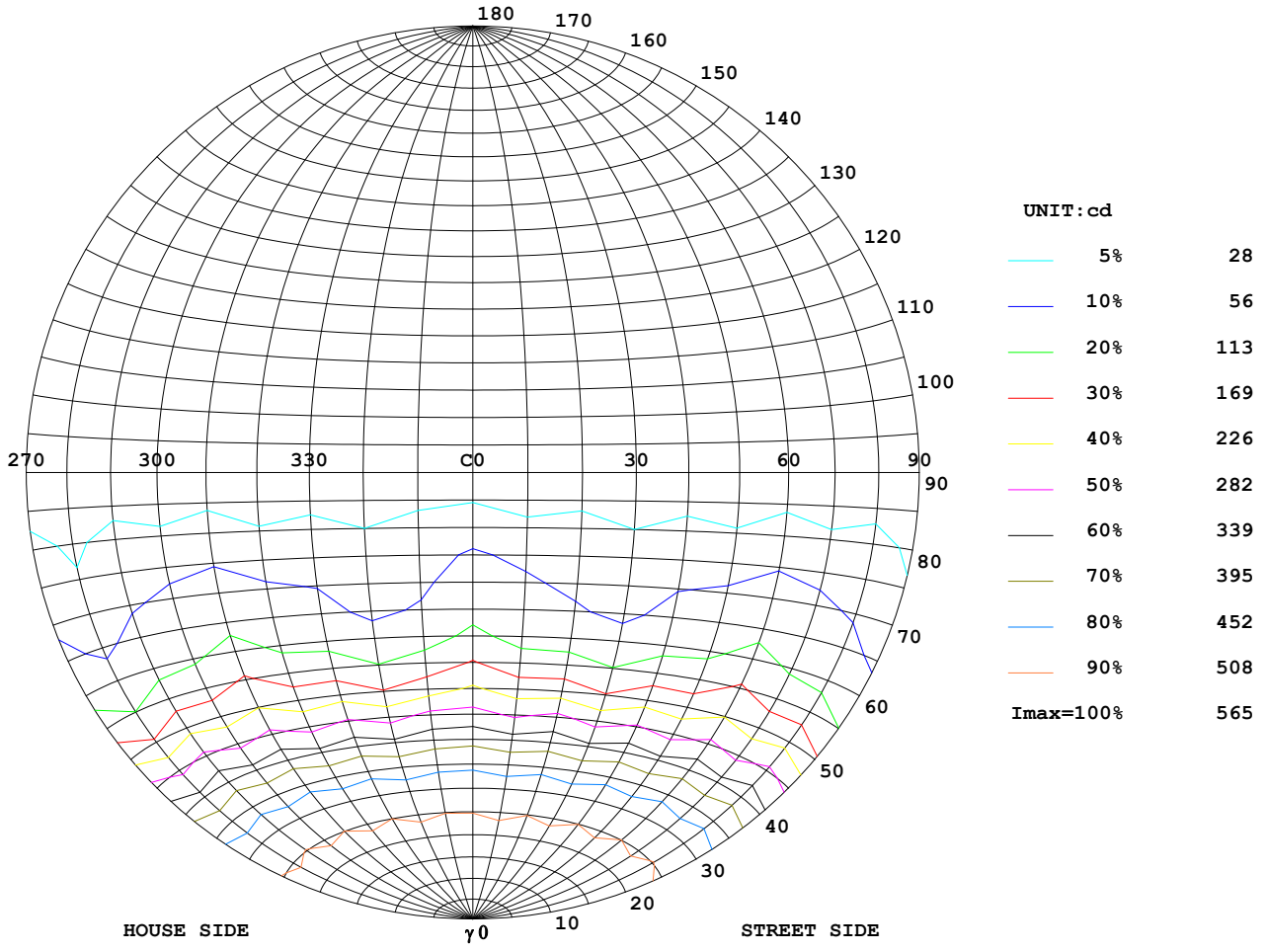
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



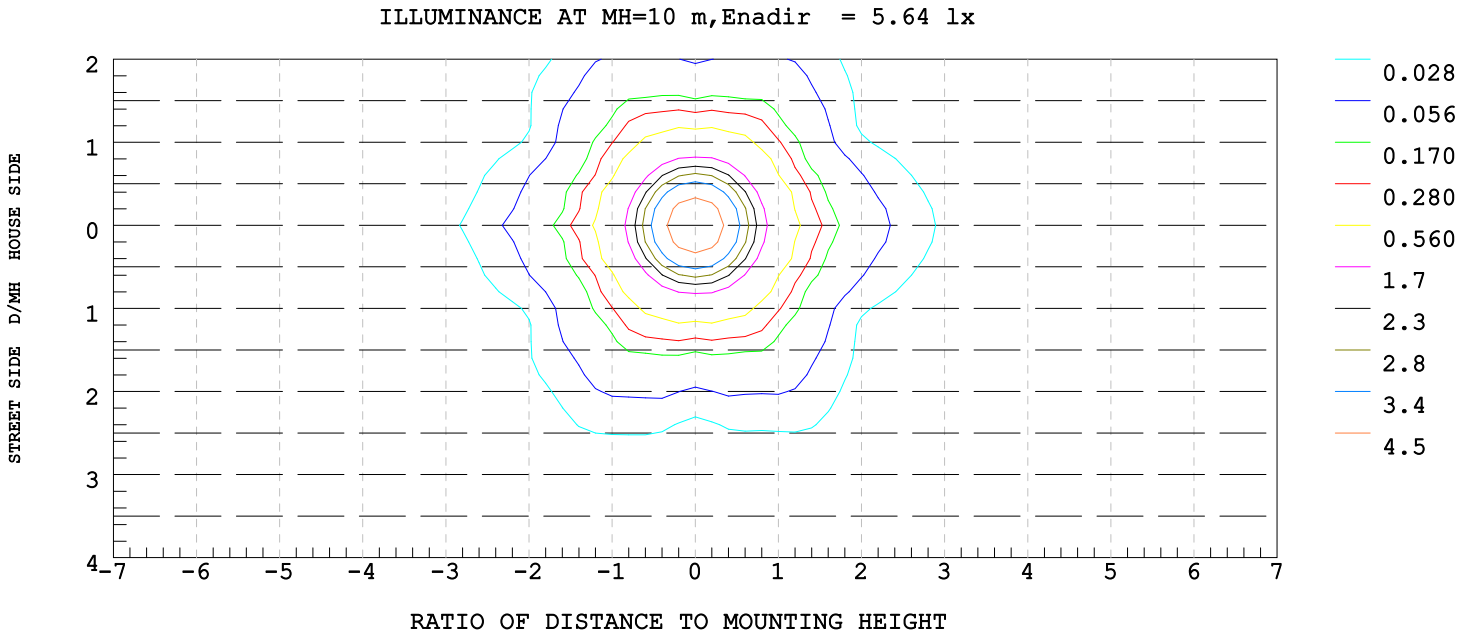
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:





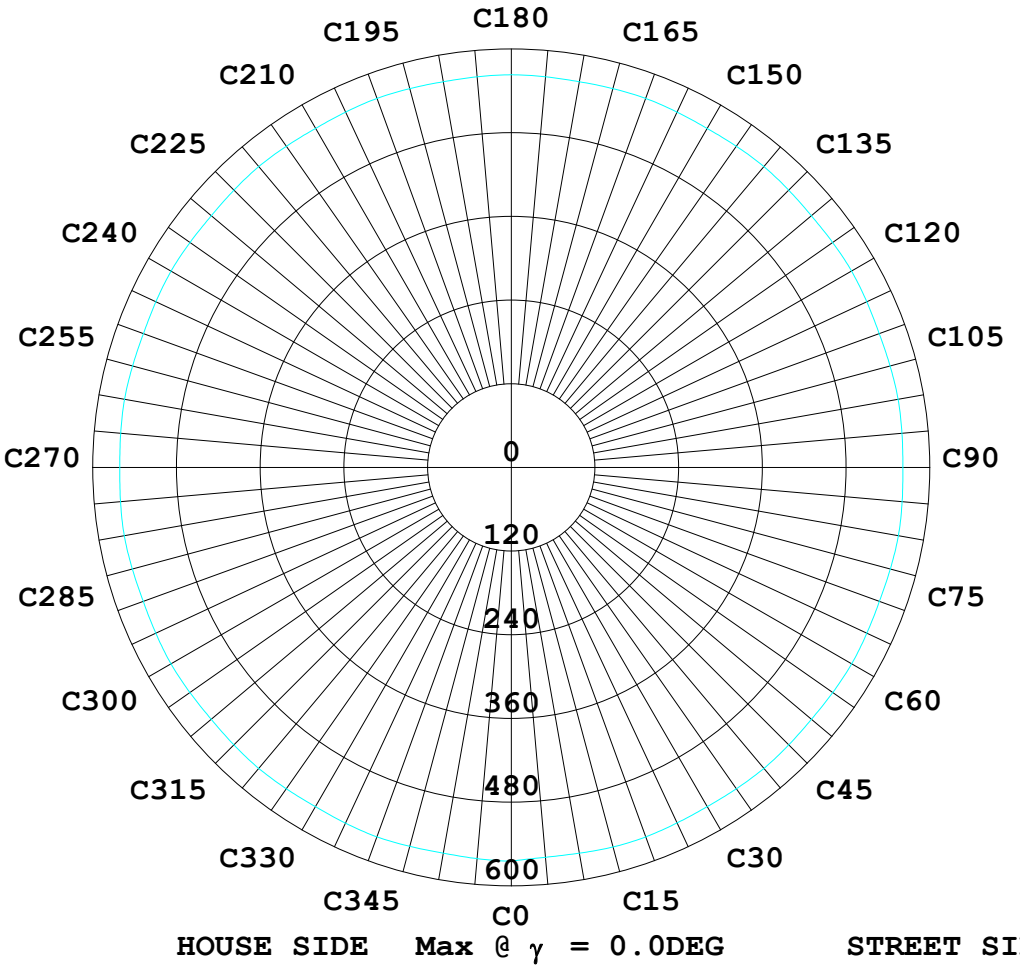
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**

UNIT: cd

γ (DEG) \ C(DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
0.0	565	562	564	562	563	562	563	562	564	561	563	561	563	562	563
5.0	563	559	562	559	562	559	563	560	563	560	563	560	563	560	563
10.0	556	551	556	552	556	552	556	552	557	552	557	553	557	553	557
15.0	545	539	545	539	545	540	545	540	546	540	546	541	546	542	547
20.0	528	523	528	523	528	523	529	524	530	524	530	525	531	526	531
25.0	507	500	507	501	508	502	508	502	509	503	510	504	510	505	511
30.0	480	472	480	472	481	473	481	473	482	473	483	476	484	477	486
35.0	442	433	439	430	439	432	440	431	437	428	439	435	446	440	450
40.0	378	359	371	350	369	352	372	356	374	354	377	367	387	372	391
45.0	301	274	297	262	287	264	294	268	294	269	302	282	313	291	313
50.0	233	198	200	172	205	196	225	200	209	175	208	202	238	213	226
55.0	173	135	134	114	139	142	175	147	141	113	137	140	179	150	150
60.0	125	94.9	90.2	72.7	97.6	103	132	106	96.0	72.7	94.3	99.6	131	105	97.6
65.0	95.9	72.1	60.6	47.5	69.0	78.3	97.1	79.5	68.4	48.2	65.4	74.1	96.0	79.1	64.3
70.0	77.6	61.0	49.0	36.7	55.0	60.5	74.6	63.2	52.3	36.2	50.3	59.3	76.0	62.3	48.4
75.0	60.3	49.7	45.4	33.0	46.5	44.1	54.0	48.6	44.7	30.1	43.2	47.2	56.3	45.5	41.2
80.0	43.0	34.7	38.2	28.2	35.7	30.3	37.7	32.7	35.2	24.5	34.4	32.0	37.5	30.1	33.5
85.0	26.6	17.6	22.2	14.5	20.9	17.6	25.0	17.7	22.7	16.0	21.6	16.6	23.2	16.1	20.8
90.0	7.10	1.90	6.70	1.30	6.50	1.50	7.40	1.50	6.80	1.40	7.00	2.00	8.40	2.50	7.70
95.0	4.30	1.00	3.90	1.00	4.00	1.10	4.30	1.10	3.90	1.00	3.90	1.00	4.20	1.10	3.90
100.0	4.00	1.30	3.60	1.30	3.60	1.30	3.80	1.30	3.60	1.20	3.60	1.40	3.80	1.30	3.60
105.0	3.90	1.80	3.60	1.80	3.60	1.80	3.70	1.70	3.50	1.60	3.60	1.70	3.70	1.70	3.60
110.0	4.10	2.40	3.90	2.40	3.80	2.30	3.90	2.20	3.70	2.10	3.70	2.20	3.90	2.20	3.80
115.0	4.60	3.10	4.40	3.10	4.30	3.00	4.30	2.90	4.10	2.90	4.20	2.90	4.20	2.90	4.20
120.0	5.20	4.00	5.00	4.00	4.90	3.80	4.90	3.70	4.80	3.70	4.70	3.70	4.80	3.70	4.80
125.0	5.90	4.90	5.70	4.80	5.60	4.60	5.50	4.60	5.50	4.60	5.40	4.60	5.50	4.60	5.50
130.0	6.60	5.70	6.40	5.70	6.30	5.50	6.20	5.40	6.20	5.40	6.20	5.40	6.20	5.40	6.20
135.0	7.30	6.50	7.10	6.40	6.90	6.20	6.90	6.20	6.90	6.20	6.90	6.20	6.90	6.20	6.90
140.0	7.90	7.20	7.70	7.00	7.50	6.80	7.40	6.80	7.50	6.90	7.50	6.90	7.50	6.80	7.50
145.0	8.40	7.80	8.20	7.60	8.00	7.40	7.90	7.40	7.90	7.50	8.00	7.50	8.00	7.40	8.00
150.0	8.80	8.29	8.60	8.10	8.50	8.00	8.29	7.90	8.29	8.00	8.50	8.10	8.50	8.00	8.40
155.0	9.20	8.80	9.00	8.60	8.90	8.50	8.80	8.29	8.80	8.40	8.90	8.60	8.90	8.50	8.90
160.0	9.50	9.20	9.30	9.00	9.20	8.90	9.20	8.80	9.09	8.90	9.30	9.00	9.30	8.90	9.30
165.0	9.90	9.50	9.70	9.30	9.50	9.30	9.50	9.20	9.40	9.30	9.70	9.40	9.70	9.30	9.70
170.0	10.0	9.70	9.90	9.40	9.70	9.50	9.80	9.50	9.70	9.60	10.0	9.60	9.90	9.60	9.90
175.0	10.0	9.80	9.90	9.50	9.70	9.60	9.90	9.60	9.80	9.80	10.0	9.70	10.0	9.70	9.90
180.0	10.0	9.80	9.80	9.40	9.70	9.50	9.80	9.60	9.80	9.90	10.0	9.70	9.90	9.70	9.80

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**

UNIT: cd

C(DEG) / γ (DEG)	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
0.0	561	563	562	563	562	563	561	563	562	563	561	563	561	564	562
5.0	560	563	560	563	560	563	560	563	560	563	560	563	560	563	560
10.0	553	558	554	558	554	558	553	557	553	557	553	557	552	557	552
15.0	542	548	542	547	542	548	542	547	542	546	541	546	540	546	540
20.0	526	532	527	532	527	532	526	531	526	531	525	530	524	530	524
25.0	505	512	505	511	505	512	505	511	505	510	504	510	503	509	502
30.0	478	486	479	486	479	486	478	486	477	484	476	483	473	482	473
35.0	441	451	443	451	443	451	441	450	440	446	435	439	428	437	431
40.0	374	396	382	399	382	396	374	391	372	387	367	377	354	374	356
45.0	289	322	307	323	307	322	289	313	291	313	282	302	269	294	268
50.0	194	230	223	250	223	230	194	226	213	238	202	208	175	209	200
55.0	122	149	151	183	151	149	122	150	150	179	140	137	113	141	147
60.0	74.6	96.5	104	133	104	96.5	74.6	97.6	105	131	99.6	94.3	72.7	96.0	106
65.0	46.0	64.3	79.9	99.1	79.9	64.3	46.0	64.3	79.1	96.0	74.1	65.4	48.2	68.4	79.5
70.0	32.5	51.2	68.6	82.5	68.6	51.2	32.5	48.4	62.3	76.0	59.3	50.3	36.2	52.3	63.2
75.0	27.2	45.5	53.2	64.3	53.2	45.5	27.2	41.2	45.5	56.3	47.2	43.2	30.1	44.7	48.6
80.0	23.4	36.7	35.0	42.6	35.0	36.7	23.4	33.5	30.1	37.5	32.0	34.4	24.5	35.2	32.7
85.0	14.1	22.9	17.2	23.7	17.2	22.9	14.1	20.8	16.1	23.2	16.6	21.6	16.0	22.7	17.7
90.0	2.50	8.60	3.60	8.10	3.60	8.60	2.50	7.70	2.50	8.40	2.00	7.00	1.40	6.80	1.50
95.0	1.00	4.00	1.10	4.30	1.10	4.00	1.00	3.90	1.10	4.20	1.00	3.90	1.00	3.90	1.10
100.0	1.30	3.70	1.30	3.90	1.30	3.70	1.30	3.60	1.30	3.80	1.40	3.60	1.20	3.60	1.30
105.0	1.70	3.60	1.80	3.80	1.80	3.60	1.70	3.60	1.70	3.70	1.70	3.60	1.60	3.50	1.70
110.0	2.30	3.90	2.30	4.00	2.30	3.90	2.30	3.80	2.20	3.90	2.20	3.70	2.10	3.70	2.20
115.0	3.00	4.30	3.00	4.40	3.00	4.30	3.00	4.20	2.90	4.20	2.90	4.20	2.90	4.10	2.90
120.0	3.80	4.90	3.80	5.00	3.80	4.90	3.80	4.80	3.70	4.80	3.70	4.70	3.70	4.80	3.70
125.0	4.70	5.60	4.70	5.70	4.70	5.60	4.70	5.50	4.60	5.50	4.60	5.40	4.60	5.50	4.60
130.0	5.50	6.30	5.50	6.40	5.50	6.30	5.50	6.20	5.40	6.20	5.40	6.20	5.40	6.20	5.40
135.0	6.30	7.00	6.40	7.10	6.40	7.00	6.30	6.90	6.20	6.90	6.20	6.90	6.20	6.90	6.20
140.0	6.90	7.60	7.00	7.70	7.00	7.60	6.90	7.50	6.80	7.50	6.90	7.50	6.90	7.50	6.80
145.0	7.50	8.10	7.60	8.20	7.60	8.10	7.50	8.00	7.40	8.00	7.50	8.00	7.50	7.90	7.40
150.0	8.00	8.50	8.20	8.70	8.20	8.50	8.00	8.40	8.00	8.50	8.10	8.50	8.00	8.29	7.90
155.0	8.50	9.00	8.60	9.09	8.60	9.00	8.50	8.90	8.50	8.90	8.60	8.90	8.40	8.80	8.29
160.0	9.00	9.30	9.09	9.40	9.09	9.30	9.00	9.30	8.90	9.30	9.00	9.30	8.90	9.09	8.80
165.0	9.30	9.60	9.30	9.80	9.30	9.60	9.30	9.70	9.30	9.70	9.40	9.70	9.30	9.40	9.20
170.0	9.50	9.90	9.50	10.0	9.50	9.90	9.50	9.90	9.60	9.90	9.60	10.0	9.60	9.70	9.50
175.0	9.60	9.90	9.60	10.0	9.60	9.90	9.60	9.90	9.70	10.0	9.70	10.0	9.80	9.80	9.60
180.0	9.60	9.80	9.70	10.0	9.70	9.80	9.60	9.80	9.70	9.90	9.70	10.0	9.90	9.80	9.60

Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	**Address:**	
NAME:	**TYPE:**	**WEIGHT:**
SPECIFICATION:	**DIMENSION:**	**SERIAL No.:**

UNIT: cd

γ (DEG) \ C(DEG)	300	310	320	330	340	350
0.0	563	562	563	562	564	562
5.0	563	559	562	559	562	559
10.0	556	552	556	552	556	551
15.0	545	540	545	539	545	539
20.0	529	523	528	523	528	523
25.0	508	502	508	501	507	500
30.0	481	473	481	472	480	472
35.0	440	432	439	430	439	433
40.0	372	352	369	350	371	359
45.0	294	264	287	262	297	274
50.0	225	196	205	172	200	198
55.0	175	142	139	114	134	135
60.0	132	103	97.6	72.7	90.2	94.9
65.0	97.1	78.3	69.0	47.5	60.6	72.1
70.0	74.6	60.5	55.0	36.7	49.0	61.0
75.0	54.0	44.1	46.5	33.0	45.4	49.7
80.0	37.7	30.3	35.7	28.2	38.2	34.7
85.0	25.0	17.6	20.9	14.5	22.2	17.6
90.0	7.40	1.50	6.50	1.30	6.70	1.90
95.0	4.30	1.10	4.00	1.00	3.90	1.00
100.0	3.80	1.30	3.60	1.30	3.60	1.30
105.0	3.70	1.80	3.60	1.80	3.60	1.80
110.0	3.90	2.30	3.80	2.40	3.90	2.40
115.0	4.30	3.00	4.30	3.10	4.40	3.10
120.0	4.90	3.80	4.90	4.00	5.00	4.00
125.0	5.50	4.60	5.60	4.80	5.70	4.90
130.0	6.20	5.50	6.30	5.70	6.40	5.70
135.0	6.90	6.20	6.90	6.40	7.10	6.50
140.0	7.40	6.80	7.50	7.00	7.70	7.20
145.0	7.90	7.40	8.00	7.60	8.20	7.80
150.0	8.29	8.00	8.50	8.10	8.60	8.29
155.0	8.80	8.50	8.90	8.60	9.00	8.80
160.0	9.20	8.90	9.20	9.00	9.30	9.20
165.0	9.50	9.30	9.50	9.30	9.70	9.50
170.0	9.80	9.50	9.70	9.40	9.90	9.70
175.0	9.90	9.60	9.70	9.50	9.90	9.80
180.0	9.80	9.50	9.70	9.40	9.80	9.80

Test System:HOPOO HPG1900 Test Set: 5.0deg/s C-Gamma (TYPE C)
Temperature:25.3DEG Humidity:65.0%
Operators: Test Distance:10.000 m
Test Date:2025年03月26日 Remarks: