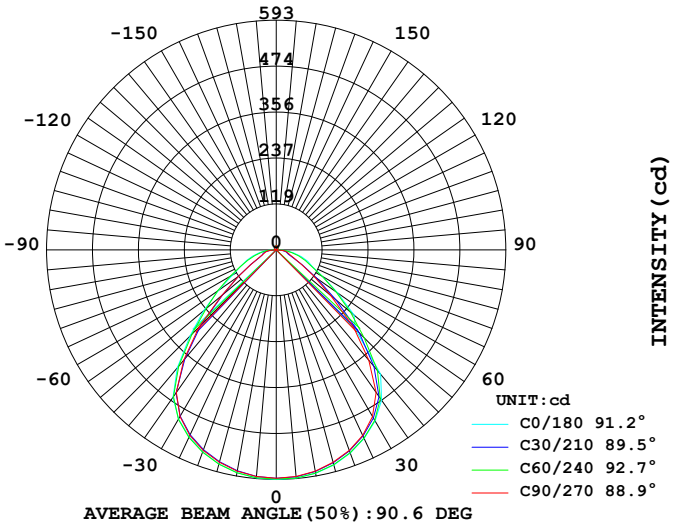
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

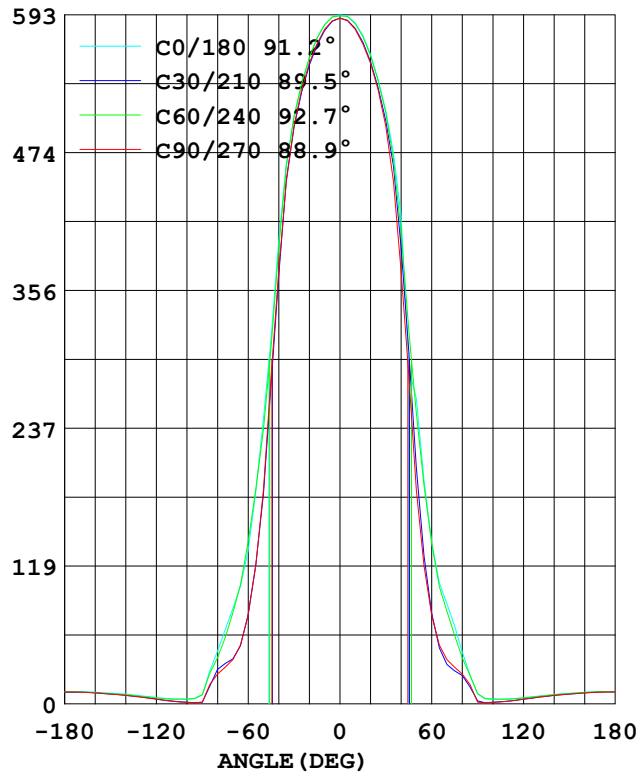
DATA OF LAMP		Imax(cd)	592.5	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.25
NOMINAL POWER(W)	14	TOTAL FLUX(lm)	1302.3	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	90.4	Current(A)	0.066
NOMINAL FLUX(lm)	1302.4	η up(%)	2.6	Power(W)	14.40
LAMPS QUANTITY	1	η down(%)	97.4	Power Factor(PF)	0.988
TEST VOLTAGE(V)	220.3	Effictive Flux(lm)	1118.3	EEI	0.171

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):90.6 DEG

LUMINOUS INTENSITY DISTRIBUTION



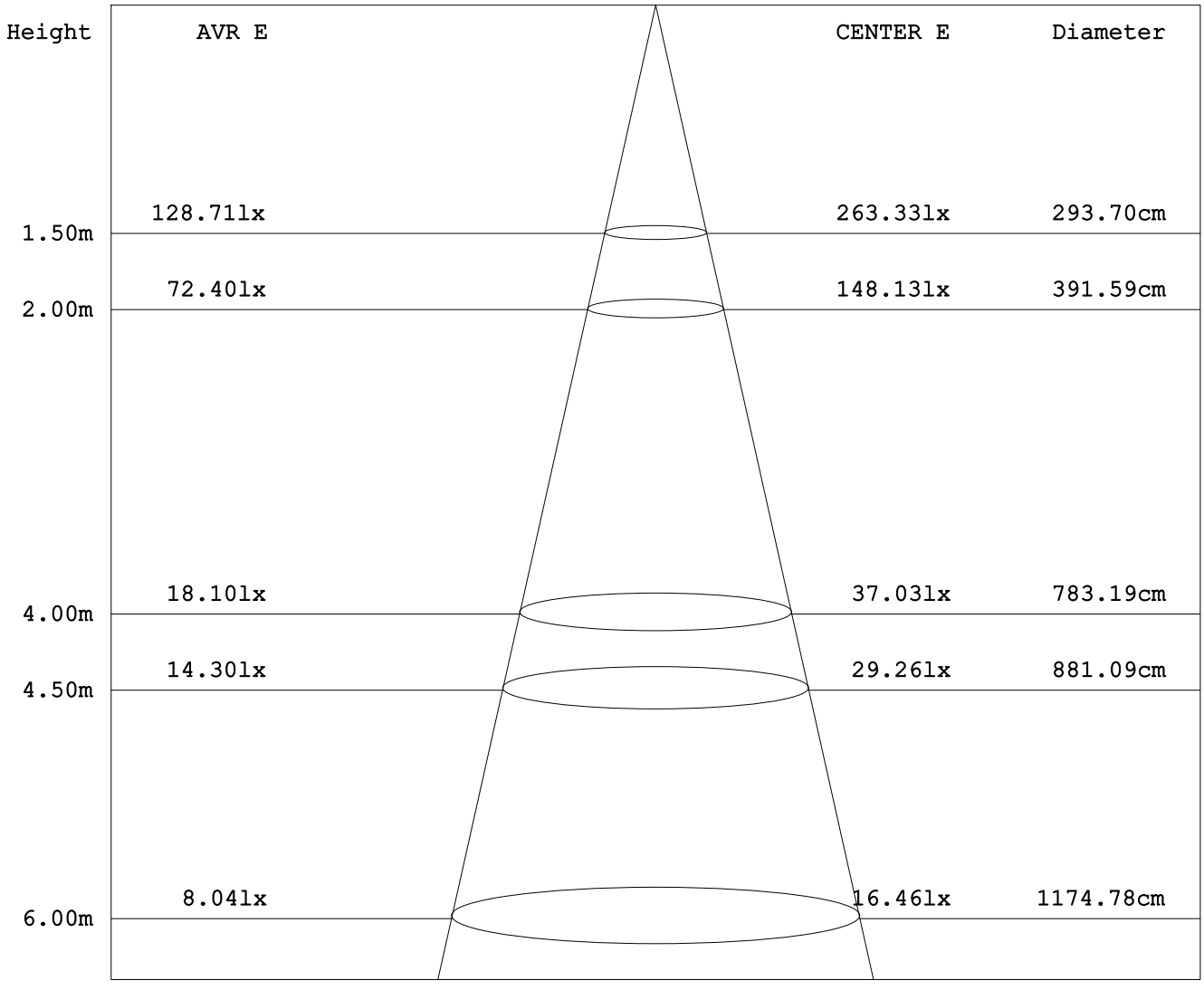
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	583.7	581.5	580.0	583.1	585.4	583.1	580.0	581.5	0- 10	56.00	56.00
20.0	554.7	552.0	550.7	555.1	558.4	555.1	550.7	552.0	10- 20	161.0	217.0
30.0	504.4	501.1	496.9	505.8	510.2	505.8	496.9	501.1	20- 30	244.7	461.7
40.0	397.5	379.0	371.6	400.7	419.1	400.7	371.6	379.0	30- 40	283.9	745.6
50.0	245.0	210.8	184.0	230.0	262.5	230.0	184.0	210.8	40- 50	232.8	978.5
60.0	131.3	105.2	76.20	106.3	139.0	106.3	76.20	105.2	50- 60	139.7	1118
70.0	81.90	60.70	38.00	58.00	86.19	58.00	38.00	60.70	60- 70	77.78	1196
80.0	45.50	34.84	25.60	33.40	44.60	33.40	25.60	34.84	70- 80	50.16	1246
90.0	7.700	4.300	1.500	5.450	8.500	5.450	1.500	4.300	80- 90	22.17	1268
100.0	4.200	2.650	1.300	2.650	4.200	2.650	1.300	2.650	90-100	3.599	1272
110.0	4.400	3.250	2.300	3.200	4.200	3.200	2.300	3.250	100-110	3.089	1275
120.0	5.500	4.600	4.000	4.550	5.300	4.550	4.000	4.600	110-120	3.853	1279
130.0	7.000	6.200	5.800	6.200	6.700	6.200	5.800	6.200	120-130	4.856	1284
140.0	8.400	7.600	7.300	7.550	8.100	7.550	7.300	7.600	130-140	5.381	1289
150.0	9.300	8.700	8.400	8.650	9.099	8.650	8.400	8.700	140-150	5.138	1294
160.0	10.00	9.550	9.400	9.600	10.00	9.600	9.400	9.550	150-160	4.238	1299
170.0	10.50	10.10	10.10	10.25	10.50	10.25	10.10	10.10	160-170	2.816	1301
180.0	10.50	10.10	10.40	10.30	10.50	10.30	10.40	10.10	170-180	0.981	1302
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

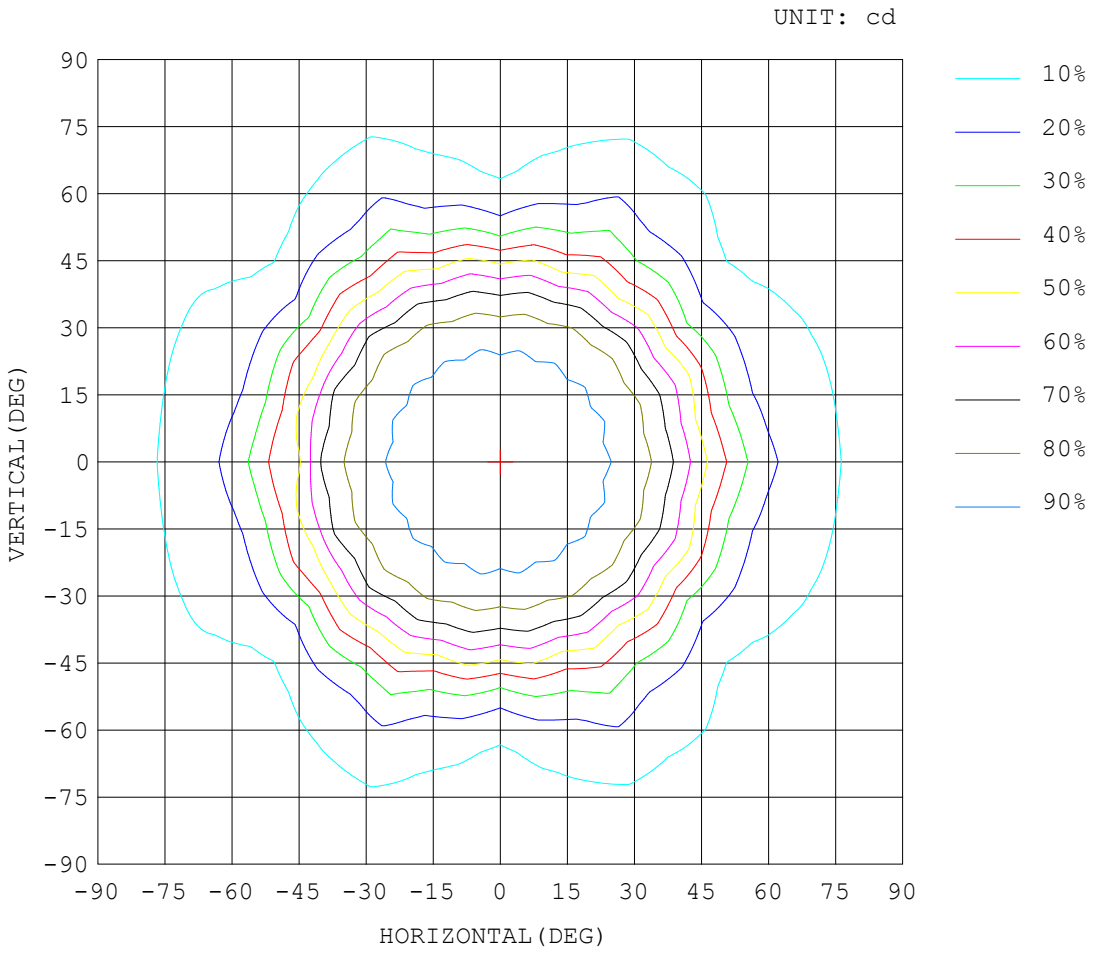
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:**



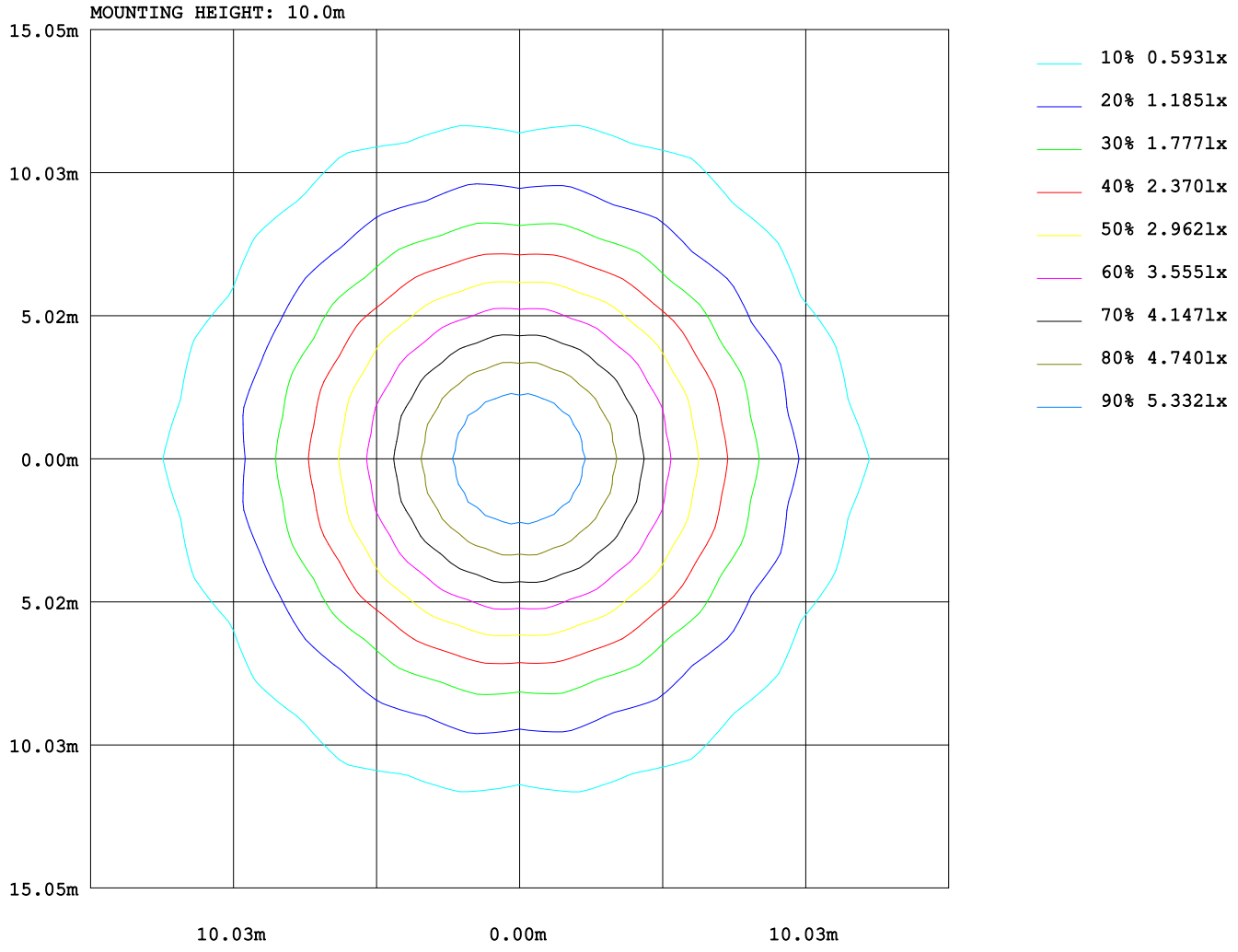
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	20	30	40	50	60	70	80	90	Φ t	Φ a
90																		
80	0.02	0.08	0.15	0.22	0.33	0.45	0.54	0.57	0.57	0.58	0.59	0.56	0.47	0.33	0.22	0.14	0.07	0.02	5.89	5.42
70	0.03	0.14	0.29	0.45	0.75	1.06	1.36	1.34	1.16	1.19	1.39	1.36	1.05	0.78	0.50	0.31	0.14	0.03	13.3	12.4
60	0.04	0.20	0.43	0.57	1.05	1.73	2.31	2.16	1.91	1.96	2.29	2.35	1.71	1.14	0.66	0.47	0.20	0.04	21.2	19.9
50	0.05	0.26	0.55	0.67	1.38	2.53	3.94	4.10	4.18	4.23	4.24	3.95	2.50	1.47	0.75	0.57	0.26	0.05	35.7	33.9
40	0.06	0.31	0.67	0.95	2.05	4.14	6.57	7.98	8.91	8.81	7.72	6.22	3.88	2.01	0.95	0.65	0.31	0.06	62.3	60.2
30	0.06	0.37	0.82	1.49	3.13	6.61	9.89	12.4	13.5	13.4	12.1	9.34	6.11	2.89	1.41	0.76	0.36	0.07	94.9	92.4
	0.07	0.43	0.98	2.12	4.84	8.92	12.7	14.9	15.9	15.9	14.8	12.4	8.38	4.43	1.95	0.90	0.41	0.08	120	118
	0.08	0.48	1.15	2.64	6.11	10.7	14.0	16.1	17.1	17.1	16.0	13.8	10.3	5.71	2.39	1.07	0.46	0.08	136	132
	0.08	0.52	1.33	3.22	6.76	11.4	14.6	16.6	17.7	17.7	16.5	14.4	11.1	6.49	3.00	1.26	0.50	0.09	144	140
	0.08	0.52	1.33	3.22	6.76	11.4	14.6	16.6	17.7	17.7	16.5	14.4	11.1	6.49	3.00	1.26	0.50	0.09	144	140
	0.08	0.48	1.15	2.64	6.11	10.7	14.0	16.1	17.1	17.1	16.0	13.8	10.3	5.71	2.39	1.07	0.46	0.08	136	132
-30	0.07	0.43	0.98	2.12	4.84	8.92	12.7	14.9	15.9	15.9	14.8	12.4	8.38	4.43	1.95	0.90	0.41	0.08	120	118
-40	0.06	0.37	0.82	1.49	3.13	6.61	9.89	12.4	13.5	13.4	12.1	9.34	6.11	2.89	1.41	0.76	0.36	0.07	94.9	92.4
-50	0.06	0.31	0.67	0.95	2.05	4.14	6.57	7.98	8.91	8.81	7.72	6.22	3.88	2.01	0.95	0.65	0.31	0.06	62.3	60.2
-60	0.05	0.26	0.55	0.67	1.38	2.53	3.94	4.10	4.18	4.23	4.24	3.95	2.50	1.47	0.75	0.57	0.26	0.05	35.7	33.9
-70	0.04	0.20	0.43	0.57	1.05	1.73	2.31	2.16	1.91	1.96	2.29	2.35	1.71	1.14	0.66	0.47	0.20	0.04	21.2	19.9
-80	0.03	0.14	0.29	0.45	0.75	1.06	1.36	1.34	1.16	1.19	1.39	1.36	1.05	0.78	0.50	0.31	0.14	0.03	13.3	12.4
-90	0.02	0.08	0.15	0.22	0.33	0.45	0.54	0.57	0.57	0.58	0.59	0.56	0.47	0.33	0.22	0.14	0.07	0.02	5.89	5.42
HORIZONTAL(DEG)																				
Φ t	0.96	5.60	12.7	24.6	52.8	95.4	132	153	162	162	152	129	91.2	50.5	23.6	12.2	5.45	1.00	1302	
Φ a	0.00	0.00	0.00	24.6	52.8	95.4	132	153	162	162	152	129	91.2	50.5	23.6	0.00	0.00	0.00		1118

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

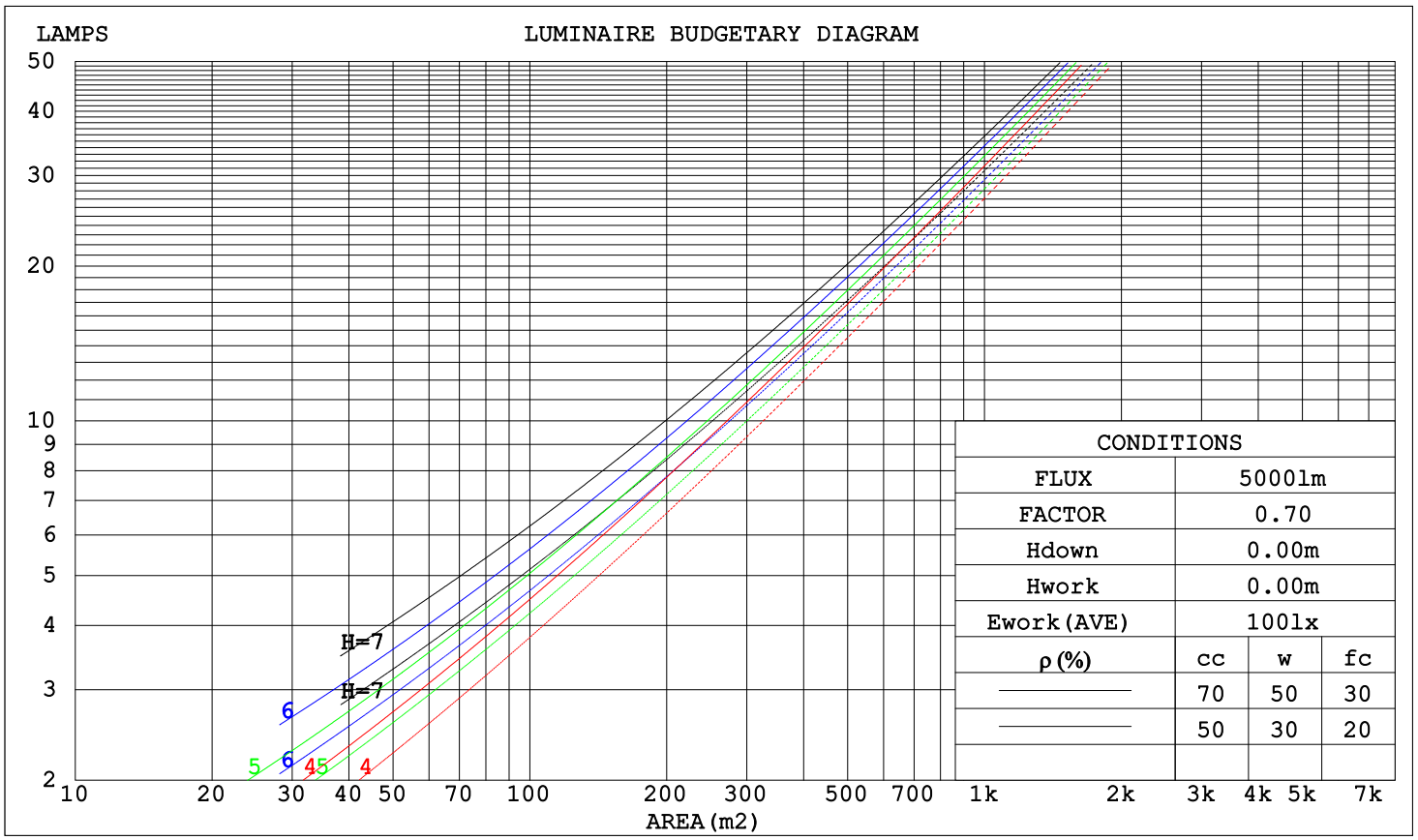
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

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	.84
2.0	.94	.88	.83	.92	.86	.82	.88	.83	.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	.35	.33
10.0	.45	.37	.32	.44	.37	.32	.43	.37	.32	.42	.36	.32	.41	.36	.32	.30



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	.232	.129	.040	.221	.124	.039	.210	.119	.037	
3.0	.235	.125	.038	.229	.123	.037	.218	.118	.036	.208	.114	.035	.198	.110	.034	
4.0	.220	.114	.034	.214	.112	.033	.205	.108	.032	.195	.105	.032	.187	.101	.031	
5.0	.205	.105	.030	.201	.103	.030	.192	.100	.029	.184	.097	.029	.176	.094	.028	
6.0	.193	.097	.028	.188	.095	.027	.180	.092	.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	.154	.078	.023	.149	.076	.022	
9.0	.161	.078	.022	.158	.077	.022	.152	.075	.021	.146	.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	.177	.158	.169	.152	.136	.116	.104	.094	.067	.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	.081	.060	.061	.047	.036	.019	.015	.012	
4.0	.170	.121	.083	.146	.104	.072	.100	.073	.051	.058	.043	.030	.019	.014	.010	
5.0	.163	.110	.071	.140	.095	.062	.096	.067	.044	.056	.039	.026	.018	.013	.009	
6.0	.156	.101	.063	.134	.088	.055	.092	.062	.039	.054	.036	.023	.017	.012	.008	
7.0	.149	.095	.056	.128	.082	.049	.089	.057	.035	.052	.034	.021	.017	.011	.007	
8.0	.143	.089	.051	.123	.077	.045	.085	.054	.032	.050	.032	.019	.016	.010	.006	
9.0	.138	.084	.047	.119	.073	.041	.082	.051	.029	.048	.030	.017	.016	.010	.006	
10.0	.132	.080	.044	.114	.069	.039	.079	.049	.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	15.4	16.7	15.7	16.9	17.2	15.7	17.0	16.0	17.3	17.5
3H	16.3	17.5	16.6	17.7	18.0	16.3	17.5	16.6	17.8	18.0
4H	16.9	18.0	17.2	18.3	18.6	16.6	17.8	17.0	18.1	18.4
6H	17.5	18.6	17.9	18.9	19.2	17.0	18.1	17.4	18.4	18.7
8H	17.8	18.9	18.2	19.2	19.5	17.3	18.3	17.6	18.6	19.0
12H	18.1	19.1	18.5	19.4	19.8	17.4	18.4	17.8	18.8	19.1
4H 2H	15.6	16.7	15.9	17.0	17.3	15.9	17.1	16.2	17.3	17.6
3H	16.6	17.6	16.9	17.9	18.2	16.9	17.9	17.2	18.2	18.5
4H	17.4	18.3	17.8	18.6	19.0	17.4	18.3	17.8	18.7	19.1
6H	18.2	19.0	18.7	19.4	19.8	18.1	18.9	18.5	19.2	19.7
8H	18.6	19.4	19.1	19.8	20.2	18.4	19.1	18.8	19.6	20.0
12H	18.9	19.6	19.4	20.0	20.5	18.7	19.3	19.1	19.8	20.2
8H 4H	17.6	18.4	18.1	18.8	19.2	17.6	18.4	18.1	18.8	19.2
6H	18.6	19.2	19.1	19.7	20.2	18.5	19.1	19.0	19.6	20.1
8H	19.1	19.7	19.6	20.1	20.6	19.0	19.6	19.5	20.0	20.5
12H	19.5	20.0	20.1	20.5	21.0	19.4	19.8	19.9	20.3	20.9
12H 4H	17.7	18.3	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
6H	18.7	19.3	19.2	19.7	20.2	18.6	19.2	19.1	19.6	20.1
8H	19.3	19.7	19.8	20.2	20.8	19.2	19.6	19.7	20.1	20.7

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 / - 1.5

CIE Pub.117 Corrected 1302 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.9)

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	43
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	

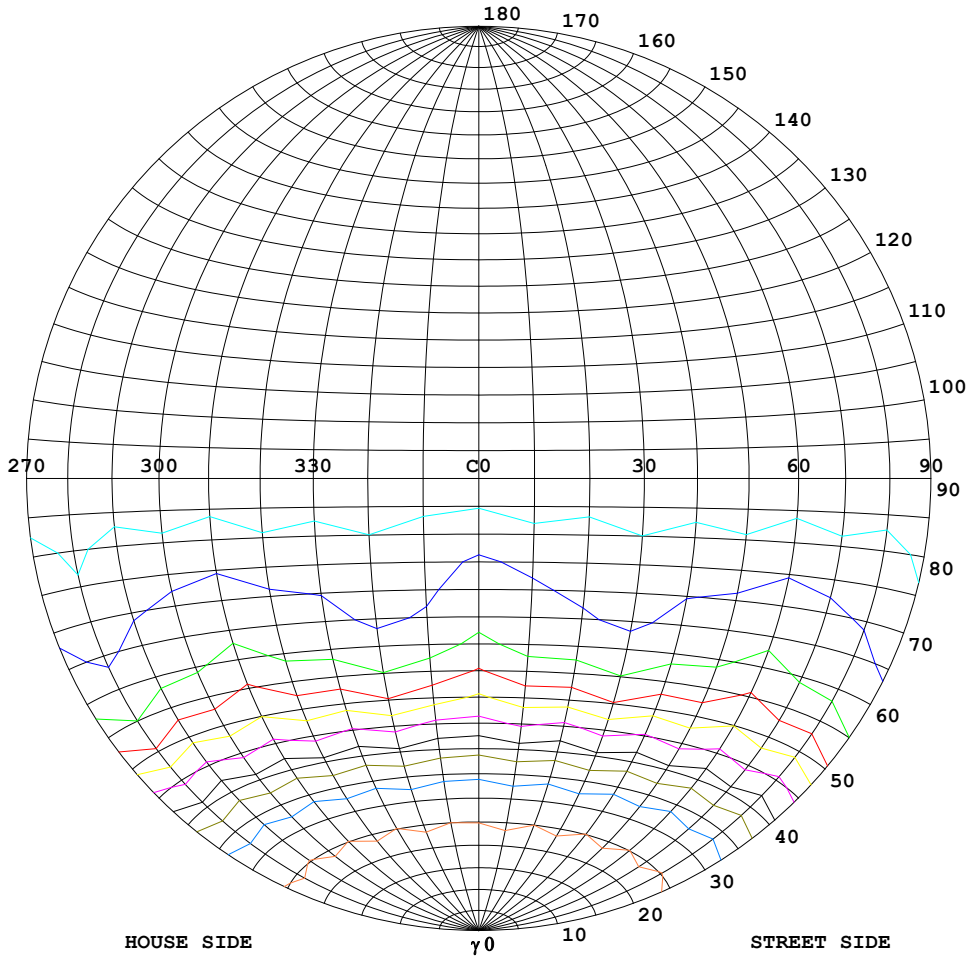
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



UNIT:cd

5%	30
10%	59
20%	119
30%	178
40%	237
50%	296
60%	356
70%	415
80%	474
90%	533
Imax=100%	593

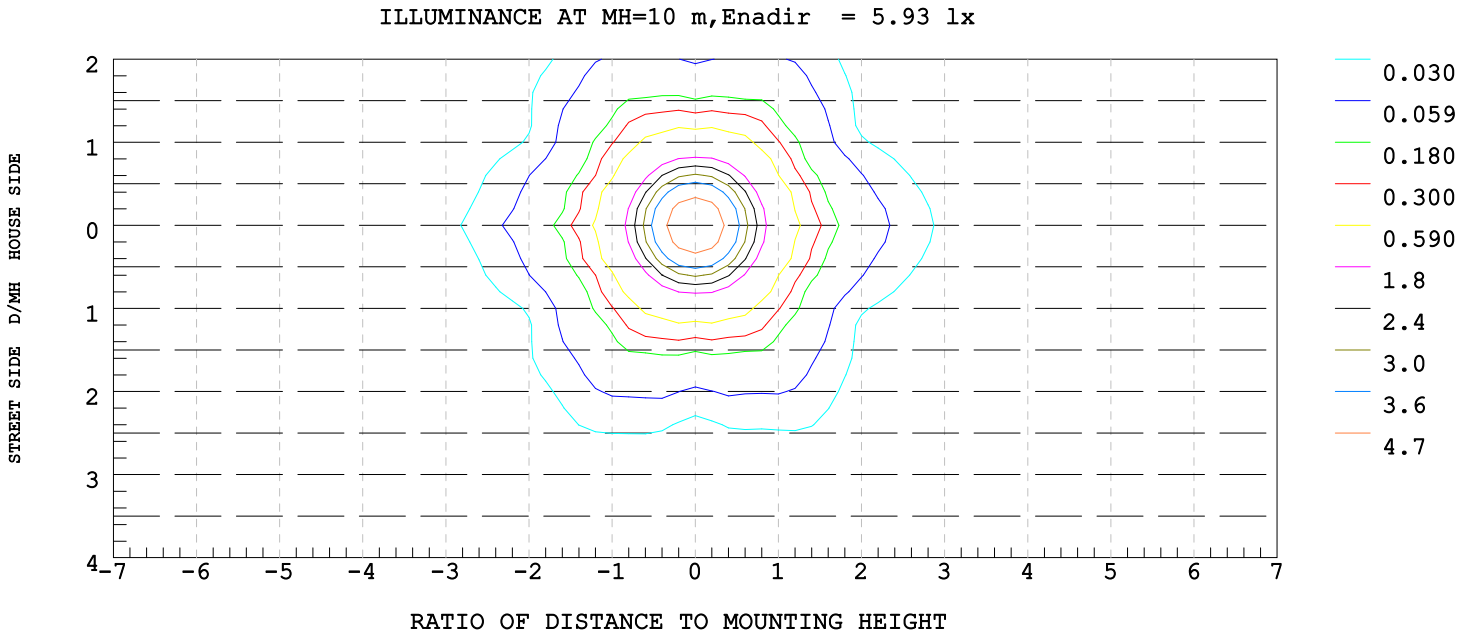
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:





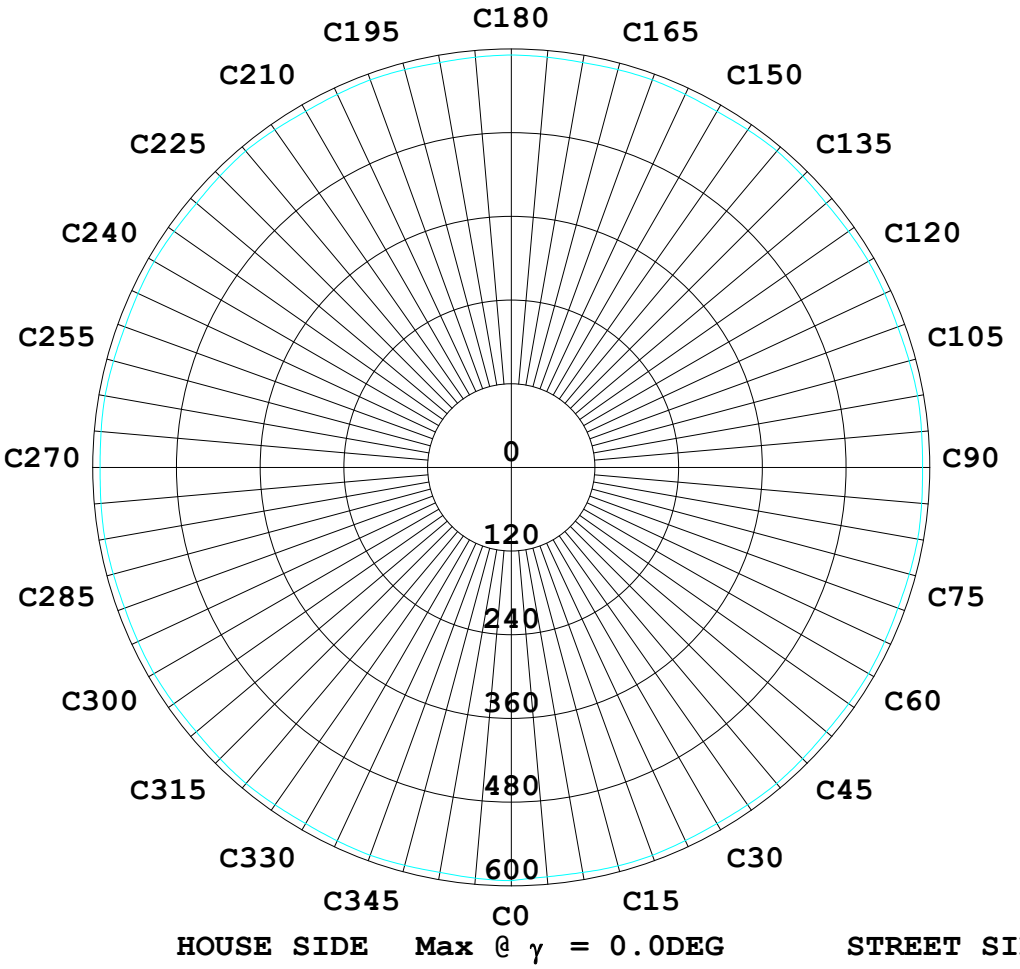
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	593	590	592	590	592	590	591	590	592	590	591	590	591	589	592
5.0	591	587	590	587	591	587	591	587	591	587	591	588	591	588	592
10.0	584	579	584	579	584	579	584	580	584	580	585	581	585	581	586
15.0	572	566	572	566	572	567	572	567	573	567	573	568	574	569	575
20.0	555	549	555	549	555	549	555	550	557	551	557	551	557	552	559
25.0	532	526	533	526	534	527	534	527	535	528	536	529	536	530	537
30.0	504	496	505	496	506	497	505	497	506	497	507	499	508	501	511
35.0	465	454	462	451	461	454	462	452	459	449	462	457	469	462	473
40.0	398	377	390	367	388	370	391	374	393	372	396	385	406	390	411
45.0	315	287	310	276	301	278	308	281	307	283	315	295	321	305	317
50.0	245	208	211	181	216	206	236	210	220	184	219	212	250	223	237
55.0	182	142	141	120	146	149	185	154	148	119	144	147	188	157	158
60.0	131	99.9	95.0	76.4	103	108	139	111	101	76.2	99.0	104	138	110	103
65.0	101	76.0	64.0	49.9	72.6	82.0	102	83.5	72.0	50.5	68.5	77.5	101	82.9	67.5
70.0	81.9	64.3	51.8	38.8	58.0	63.4	78.5	66.2	55.1	38.0	52.7	62.0	79.6	65.1	50.9
75.0	63.9	52.4	48.1	34.7	49.2	46.2	56.9	51.0	47.0	31.6	45.2	49.2	58.9	47.5	43.3
80.0	45.5	36.7	40.5	29.6	37.7	31.9	39.7	34.2	37.2	25.6	36.0	33.3	39.5	31.4	35.4
85.0	28.4	18.6	23.5	15.2	22.1	18.5	26.4	18.5	24.1	16.6	22.9	17.5	24.6	16.7	22.0
90.0	7.70	2.00	7.20	1.40	7.00	1.60	8.00	1.60	7.30	1.50	7.40	2.10	8.90	2.60	8.29
95.0	4.60	1.10	4.20	1.10	4.30	1.20	4.60	1.20	4.20	1.10	4.20	1.20	4.50	1.10	4.30
100.0	4.20	1.40	3.90	1.40	3.90	1.40	4.10	1.40	3.80	1.30	3.90	1.40	4.10	1.40	3.90
105.0	4.20	1.90	3.90	1.90	3.90	1.90	4.00	1.80	3.80	1.70	3.80	1.80	4.00	1.80	3.90
110.0	4.40	2.50	4.20	2.50	4.10	2.40	4.10	2.30	4.00	2.30	4.00	2.40	4.10	2.30	4.10
115.0	4.90	3.30	4.70	3.30	4.60	3.20	4.50	3.00	4.40	3.10	4.40	3.10	4.50	3.00	4.50
120.0	5.50	4.30	5.30	4.20	5.20	4.00	5.10	3.90	5.10	4.00	5.00	3.90	5.10	3.90	5.20
125.0	6.30	5.20	6.10	5.10	5.90	4.90	5.90	4.90	5.80	4.90	5.80	4.80	5.80	4.80	5.90
130.0	7.00	6.10	6.90	6.00	6.70	5.70	6.60	5.80	6.60	5.80	6.50	5.70	6.60	5.70	6.70
135.0	7.70	6.90	7.50	6.70	7.30	6.60	7.30	6.50	7.30	6.60	7.20	6.60	7.20	6.50	7.30
140.0	8.40	7.60	8.10	7.40	8.00	7.20	7.80	7.20	7.90	7.30	7.90	7.30	7.90	7.20	7.90
145.0	8.90	8.29	8.70	8.00	8.50	7.80	8.29	7.80	8.40	7.90	8.40	7.90	8.40	7.80	8.40
150.0	9.30	8.80	9.09	8.50	9.00	8.40	8.80	8.29	8.80	8.40	8.90	8.50	8.90	8.40	8.90
155.0	9.70	9.30	9.50	9.00	9.30	8.90	9.20	8.80	9.20	8.90	9.40	9.00	9.40	8.90	9.40
160.0	10.0	9.70	9.90	9.50	9.70	9.40	9.70	9.30	9.60	9.40	9.80	9.50	9.80	9.40	9.80
165.0	10.4	10.1	10.2	9.80	10.0	9.80	10.0	9.70	9.90	9.80	10.3	9.90	10.2	9.80	10.2
170.0	10.5	10.3	10.4	10.0	10.2	10.0	10.3	10.0	10.2	10.1	10.5	10.2	10.5	10.1	10.4
175.0	10.5	10.3	10.4	10.0	10.2	10.0	10.4	10.1	10.3	10.3	10.5	10.2	10.5	10.2	10.5
180.0	10.5	10.3	10.3	10.0	10.2	10.0	10.4	10.2	10.4	10.4	10.5	10.3	10.4	10.2	10.4

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	590	591	590	591	590	591	590	592	589	591	590	591	590	592	590
5.0	588	591	588	591	588	591	588	592	588	591	588	591	587	591	587
10.0	581	585	581	585	581	585	581	586	581	585	581	585	580	584	580
15.0	569	575	569	575	569	575	569	575	569	574	568	573	567	573	567
20.0	552	558	553	558	553	558	552	559	552	557	551	557	551	557	550
25.0	530	537	530	537	530	537	530	537	530	536	529	536	528	535	527
30.0	502	511	502	510	502	511	502	511	501	508	499	507	497	506	497
35.0	463	473	465	474	465	473	463	473	462	469	457	462	449	459	452
40.0	392	415	401	419	401	415	392	411	390	406	385	396	372	393	374
45.0	303	298	321	288	321	298	303	317	305	321	295	315	283	307	281
50.0	203	241	233	263	233	241	203	237	223	250	212	219	184	220	210
55.0	127	156	158	192	158	156	127	158	157	188	147	144	119	148	154
60.0	78.0	101	109	139	109	101	78.0	103	110	138	104	99.0	76.2	101	111
65.0	48.1	67.4	83.5	104	83.5	67.4	48.1	67.5	82.9	101	77.5	68.5	50.5	72.0	83.5
70.0	33.8	53.7	71.5	86.1	71.5	53.7	33.8	50.9	65.1	79.6	62.0	52.7	38.0	55.1	66.2
75.0	28.4	47.7	55.2	67.0	55.2	47.7	28.4	43.3	47.5	58.9	49.2	45.2	31.6	47.0	51.0
80.0	24.4	38.4	36.2	44.6	36.2	38.4	24.4	35.4	31.4	39.5	33.3	36.0	25.6	37.2	34.2
85.0	14.5	24.0	18.0	24.7	18.0	24.0	14.5	22.0	16.7	24.6	17.5	22.9	16.6	24.1	18.5
90.0	2.60	9.09	3.70	8.50	3.70	9.09	2.60	8.29	2.60	8.90	2.10	7.40	1.50	7.30	1.60
95.0	1.10	4.30	1.10	4.60	1.10	4.30	1.10	4.30	1.10	4.50	1.20	4.20	1.10	4.20	1.20
100.0	1.40	3.90	1.40	4.20	1.40	3.90	1.40	3.90	1.40	4.10	1.40	3.90	1.30	3.80	1.40
105.0	1.80	3.90	1.90	4.10	1.90	3.90	1.80	3.90	1.80	4.00	1.80	3.80	1.70	3.80	1.80
110.0	2.40	4.10	2.40	4.20	2.40	4.10	2.40	4.10	2.30	4.10	2.40	4.00	2.30	4.00	2.30
115.0	3.10	4.60	3.20	4.70	3.20	4.60	3.10	4.50	3.00	4.50	3.10	4.40	3.10	4.40	3.00
120.0	4.10	5.20	4.00	5.30	4.00	5.20	4.10	5.20	3.90	5.10	3.90	5.00	4.00	5.10	3.90
125.0	4.90	5.90	4.90	6.00	4.90	5.90	4.90	5.90	4.80	5.80	4.80	5.80	4.90	5.80	4.90
130.0	5.80	6.60	5.80	6.70	5.80	6.60	5.80	6.70	5.70	6.60	5.70	6.50	5.80	6.60	5.80
135.0	6.60	7.30	6.70	7.40	6.70	7.30	6.60	7.30	6.50	7.20	6.60	7.20	6.60	7.30	6.50
140.0	7.30	8.00	7.40	8.10	7.40	8.00	7.30	7.90	7.20	7.90	7.30	7.90	7.30	7.90	7.20
145.0	7.90	8.50	8.00	8.60	8.00	8.50	7.90	8.40	7.80	8.40	7.90	8.40	7.90	8.40	7.80
150.0	8.50	9.00	8.60	9.09	8.60	9.00	8.50	8.90	8.40	8.90	8.50	8.90	8.40	8.80	8.29
155.0	9.00	9.40	9.09	9.50	9.09	9.40	9.00	9.40	8.90	9.40	9.00	9.40	8.90	9.20	8.80
160.0	9.50	9.80	9.50	10.0	9.50	9.80	9.50	9.80	9.40	9.80	9.50	9.80	9.40	9.60	9.30
165.0	9.80	10.2	9.80	10.3	9.80	10.2	9.80	10.2	9.80	10.2	9.90	10.3	9.80	9.90	9.70
170.0	10.1	10.4	10.0	10.5	10.0	10.4	10.1	10.4	10.1	10.5	10.2	10.5	10.1	10.2	10.0
175.0	10.2	10.5	10.1	10.5	10.1	10.5	10.2	10.5	10.2	10.5	10.2	10.5	10.3	10.3	10.1
180.0	10.2	10.4	10.2	10.5	10.2	10.4	10.2	10.4	10.2	10.4	10.3	10.5	10.4	10.4	10.2

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	591	590	592	590	592	590
5.0	591	587	591	587	590	587
10.0	584	579	584	579	584	579
15.0	572	567	572	566	572	566
20.0	555	549	555	549	555	549
25.0	534	527	534	526	533	526
30.0	505	497	506	496	505	496
35.0	462	454	461	451	462	454
40.0	391	370	388	367	390	377
45.0	308	278	301	276	310	287
50.0	236	206	216	181	211	208
55.0	185	149	146	120	141	142
60.0	139	108	103	76.4	95.0	99.9
65.0	102	82.0	72.6	49.9	64.0	76.0
70.0	78.5	63.4	58.0	38.8	51.8	64.3
75.0	56.9	46.2	49.2	34.7	48.1	52.4
80.0	39.7	31.9	37.7	29.6	40.5	36.7
85.0	26.4	18.5	22.1	15.2	23.5	18.6
90.0	8.00	1.60	7.00	1.40	7.20	2.00
95.0	4.60	1.20	4.30	1.10	4.20	1.10
100.0	4.10	1.40	3.90	1.40	3.90	1.40
105.0	4.00	1.90	3.90	1.90	3.90	1.90
110.0	4.10	2.40	4.10	2.50	4.20	2.50
115.0	4.50	3.20	4.60	3.30	4.70	3.30
120.0	5.10	4.00	5.20	4.20	5.30	4.30
125.0	5.90	4.90	5.90	5.10	6.10	5.20
130.0	6.60	5.70	6.70	6.00	6.90	6.10
135.0	7.30	6.60	7.30	6.70	7.50	6.90
140.0	7.80	7.20	8.00	7.40	8.10	7.60
145.0	8.29	7.80	8.50	8.00	8.70	8.29
150.0	8.80	8.40	9.00	8.50	9.09	8.80
155.0	9.20	8.90	9.30	9.00	9.50	9.30
160.0	9.70	9.40	9.70	9.50	9.90	9.70
165.0	10.0	9.80	10.0	9.80	10.2	10.1
170.0	10.3	10.0	10.2	10.0	10.4	10.3
175.0	10.4	10.0	10.2	10.0	10.4	10.3
180.0	10.4	10.0	10.2	10.0	10.3	10.3

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: