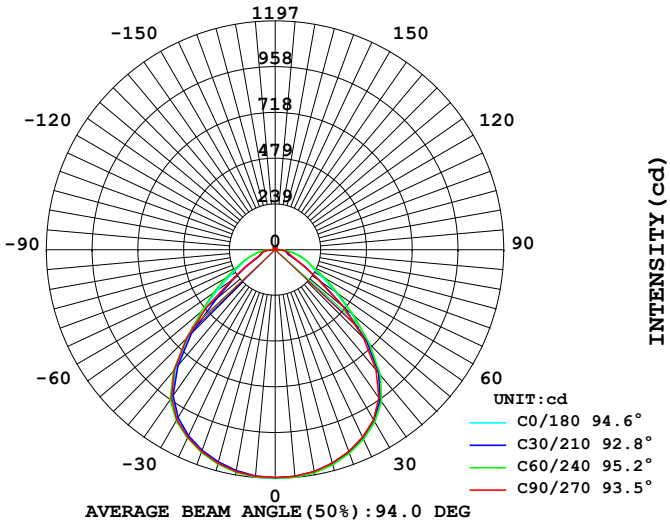
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

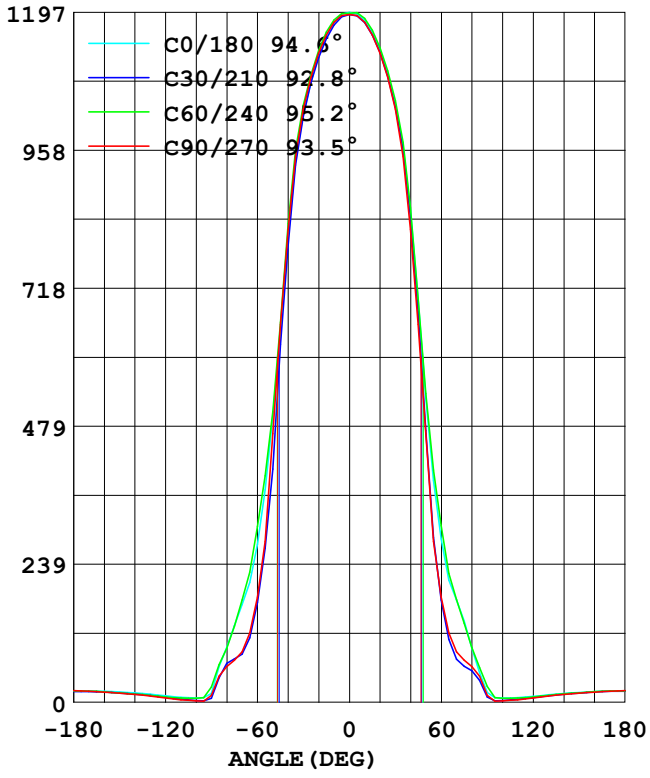
DATA OF LAMP		Imax(cd)	1197	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	28	TOTAL FLUX(lm)	2747.2	Voltage(V)	220.5
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	95.5	Current(A)	0.131
NOMINAL FLUX(lm)	2747.3	η up(%)	2.4	Power(W)	28.76
LAMPS QUANTITY	1	η down(%)	97.6	Power Factor(PF)	0.994
TEST VOLTAGE(V)	220.5	Effictive Flux(lm)	2343.4	EEI	0.167

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):94.0 DEG

LUMINOUS INTENSITY DISTRIBUTION



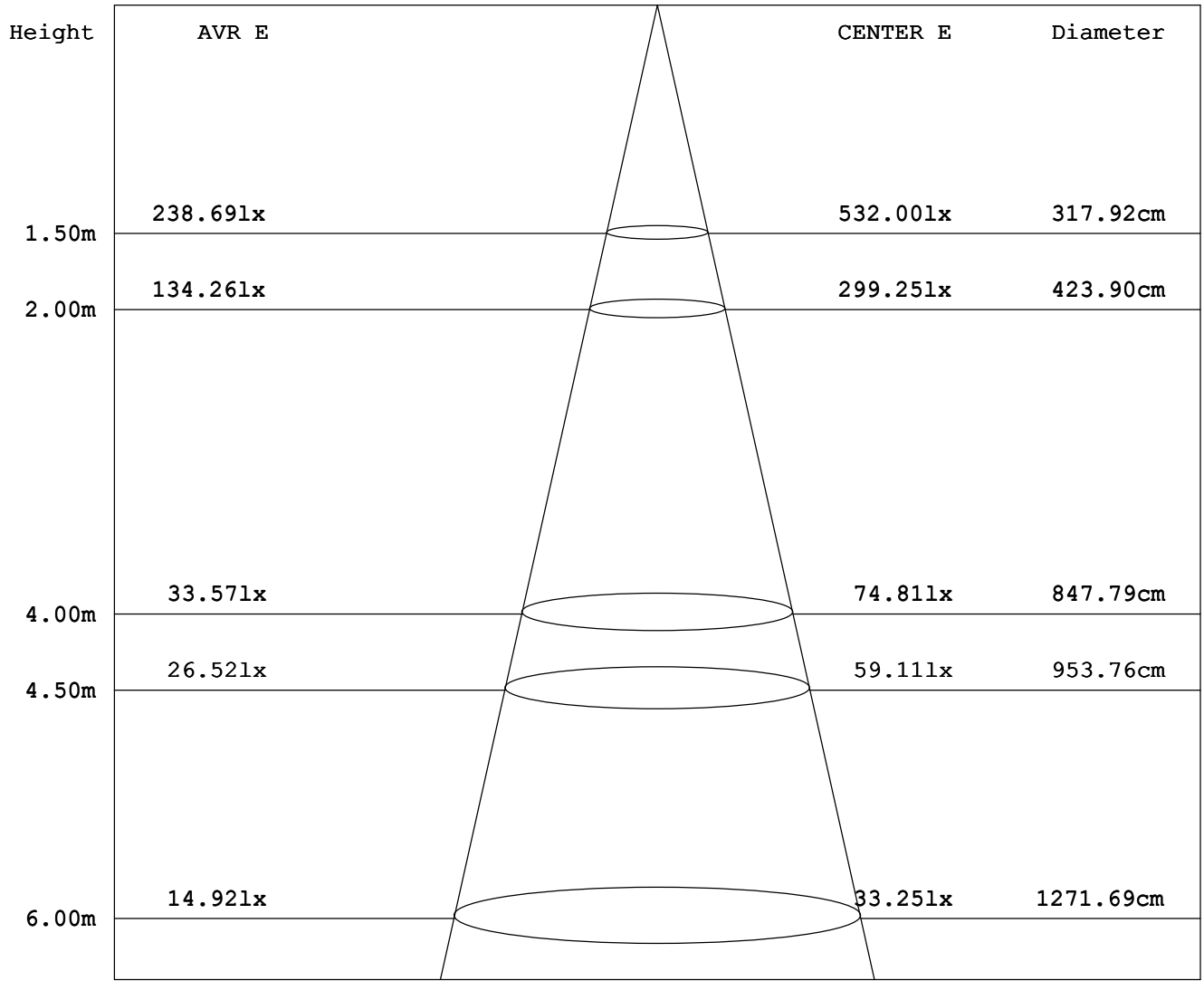
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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:93.3deg

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:

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	1179	1179	1180	1183	1183	1183	1180	1179	0- 10	113.4	113.4
20.0	1122	1124	1126	1132	1131	1132	1126	1124	10- 20	327.1	440.5
30.0	1020	1027	1029	1039	1037	1039	1029	1027	20- 30	499.8	940.4
40.0	806.2	813.5	820.5	852.8	853.6	852.8	820.5	813.5	30- 40	590.1	1531
50.0	496.1	464.1	466.0	506.8	527.8	506.8	466.0	464.1	40- 50	509.6	2040
60.0	274.2	229.8	182.5	234.8	283.4	234.8	182.5	229.8	50- 60	303.1	2343
70.0	169.6	132.5	87.19	125.3	177.6	125.3	87.19	132.5	60- 70	171.5	2515
80.0	95.40	82.00	61.79	77.69	93.50	77.69	61.79	82.00	70- 80	111.5	2626
90.0	15.29	15.95	12.00	17.60	16.79	17.60	12.00	15.95	80- 90	54.61	2681
100.0	7.600	4.950	2.600	4.800	7.300	4.800	2.600	4.950	90-100	8.471	2690
110.0	8.700	6.250	4.400	6.050	8.100	6.050	4.400	6.250	100-110	5.876	2695
120.0	11.20	8.950	7.500	8.700	10.20	8.700	7.500	8.950	110-120	7.504	2703
130.0	13.90	11.90	10.90	11.60	12.90	11.60	10.90	11.90	120-130	9.351	2712
140.0	16.20	14.35	13.70	14.15	15.20	14.15	13.70	14.35	130-140	10.21	2722
150.0	17.80	16.25	15.80	16.29	17.00	16.29	15.80	16.25	140-150	9.675	2732
160.0	18.90	17.75	17.70	18.15	18.40	18.15	17.70	17.75	150-160	7.967	2740
170.0	19.50	18.75	19.30	19.40	19.40	19.40	19.30	18.75	160-170	5.290	2745
180.0	19.30	18.75	20.00	19.45	19.50	19.45	20.00	18.75	170-180	1.841	2747
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

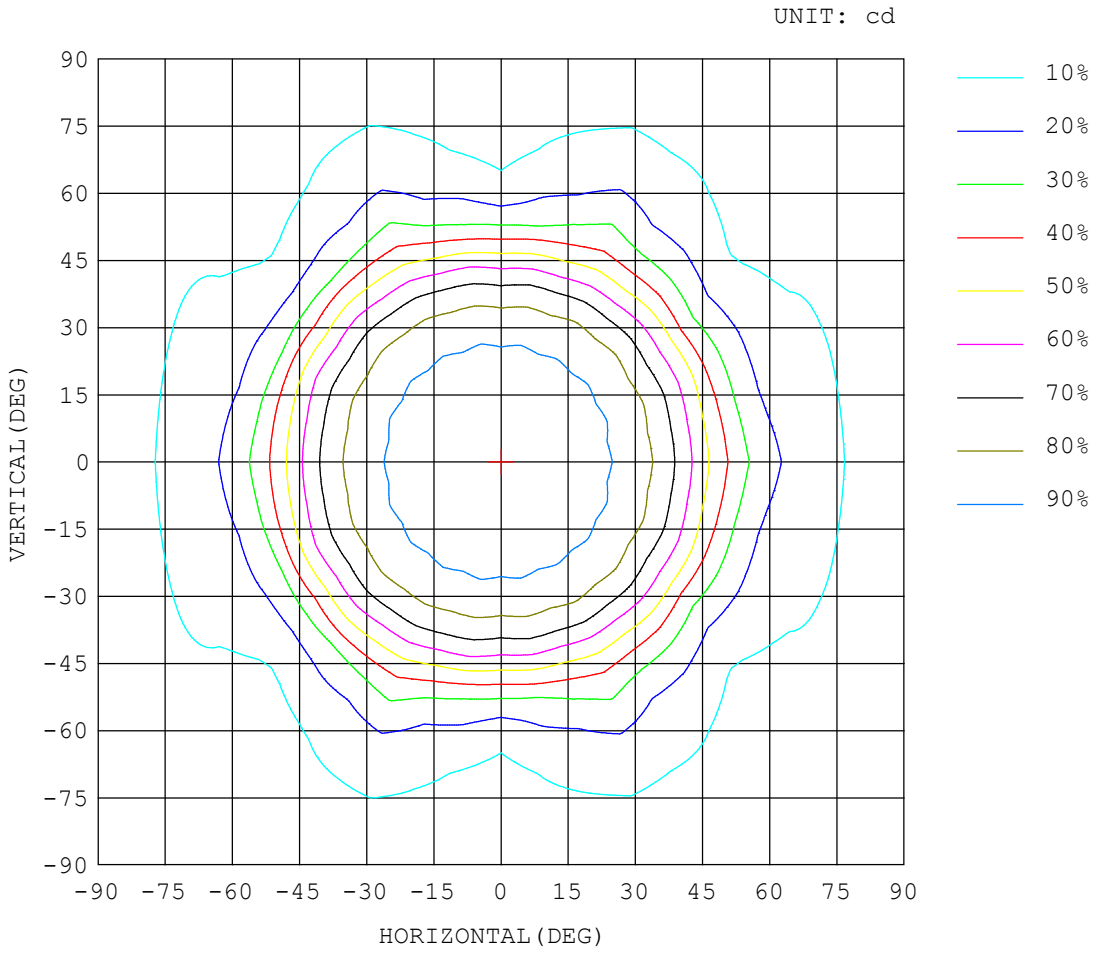
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



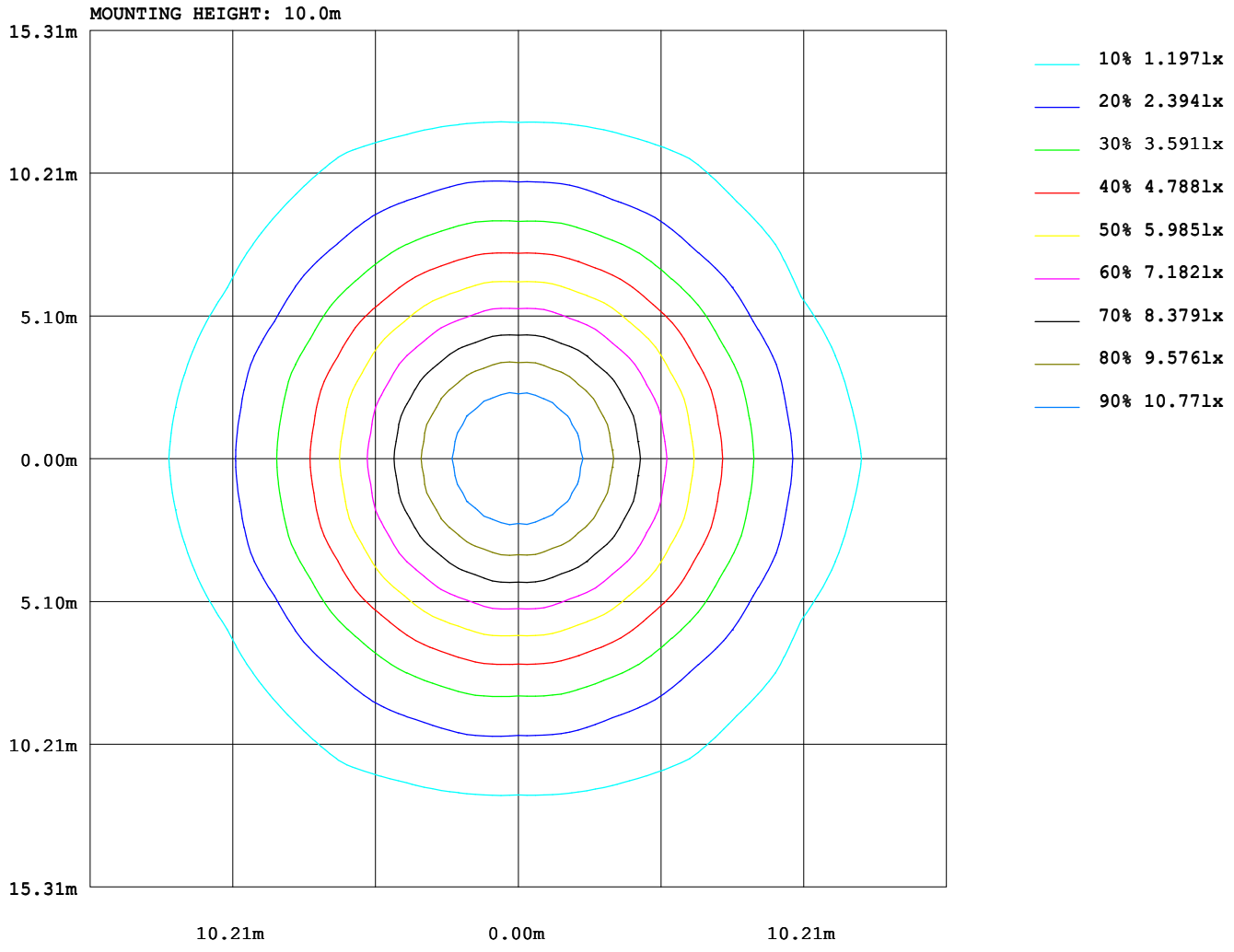
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	0.04	0.18	0.35	0.58	0.87	1.17	1.42	1.51	1.46	1.50	1.56	1.48	1.22	0.90	0.60	0.36	0.18	0.04	15.4	14.3
80	0.06	0.31	0.67	1.01	1.70	2.54	3.20	3.04	2.59	2.70	3.21	3.20	2.50	1.81	1.17	0.73	0.33	0.06	30.9	28.7
70	0.08	0.44	0.93	1.22	2.26	3.88	5.18	4.90	4.39	4.53	5.20	5.29	3.87	2.47	1.43	1.02	0.47	0.09	47.7	44.6
60	0.10	0.56	1.17	1.45	2.98	5.58	8.71	9.33	9.45	9.30	9.42	8.64	5.50	3.16	1.60	1.20	0.59	0.11	78.9	75.1
50	0.12	0.68	1.42	2.08	4.38	8.72	14.4	18.0	19.8	19.6	17.3	13.5	8.47	4.40	2.08	1.38	0.69	0.13	137	133
40	0.14	0.81	1.76	3.21	6.80	14.3	21.4	26.3	28.4	28.3	25.7	20.3	13.2	6.37	3.07	1.63	0.79	0.15	203	198
30	0.15	0.93	2.13	4.34	10.4	19.3	26.5	30.7	32.7	32.6	30.4	25.8	18.0	9.52	4.21	1.94	0.89	0.17	251	245
	0.16	1.02	2.47	5.68	13.5	22.4	28.8	32.9	34.9	34.8	32.6	28.3	21.4	12.2	5.24	2.29	0.98	0.18	280	273
	0.17	1.09	2.76	6.68	14.7	23.5	29.7	33.8	35.9	35.8	33.6	29.3	22.8	13.6	6.27	2.65	1.04	0.19	294	286
	0.17	1.09	2.76	6.68	14.7	23.5	29.7	33.8	35.9	35.8	33.6	29.3	22.8	13.6	6.27	2.65	1.04	0.19	294	286
	0.16	1.02	2.47	5.68	13.5	22.4	28.8	32.9	34.9	34.8	32.6	28.3	21.4	12.2	5.24	2.29	0.98	0.18	280	273
-30	0.15	0.93	2.13	4.34	10.4	19.3	26.5	30.7	32.7	32.6	30.4	25.8	18.0	9.52	4.21	1.94	0.89	0.17	251	245
-40	0.14	0.81	1.76	3.21	6.80	14.3	21.4	26.3	28.4	28.3	25.7	20.3	13.2	6.37	3.07	1.63	0.79	0.15	203	198
-50	0.12	0.68	1.42	2.08	4.38	8.72	14.4	18.0	19.8	19.6	17.3	13.5	8.47	4.40	2.08	1.38	0.69	0.13	137	133
-60	0.10	0.56	1.17	1.45	2.98	5.58	8.71	9.33	9.45	9.30	9.42	8.64	5.50	3.16	1.60	1.20	0.59	0.11	78.9	75.1
-70	0.08	0.44	0.93	1.22	2.26	3.88	5.18	4.90	4.39	4.53	5.20	5.29	3.87	2.47	1.43	1.02	0.47	0.09	47.7	44.6
-80	0.06	0.31	0.67	1.01	1.70	2.54	3.20	3.04	2.59	2.70	3.21	3.20	2.50	1.81	1.17	0.73	0.33	0.06	30.9	28.7
-90	0.04	0.18	0.35	0.58	0.87	1.17	1.42	1.51	1.46	1.50	1.56	1.48	1.22	0.90	0.60	0.36	0.18	0.04	15.4	14.3
HORIZONTAL(DEG)																				
Φ t	2.04	12.0	27.3	52.5	116	203	279	321	340	339	319	272	194	109	51.4	26.4	11.9	2.24	2747	
Φ a	0.00	0.00	0.00	52.5	116	203	279	321	340	339	319	272	194	109	51.4	0.00	0.00	0.00		2343

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

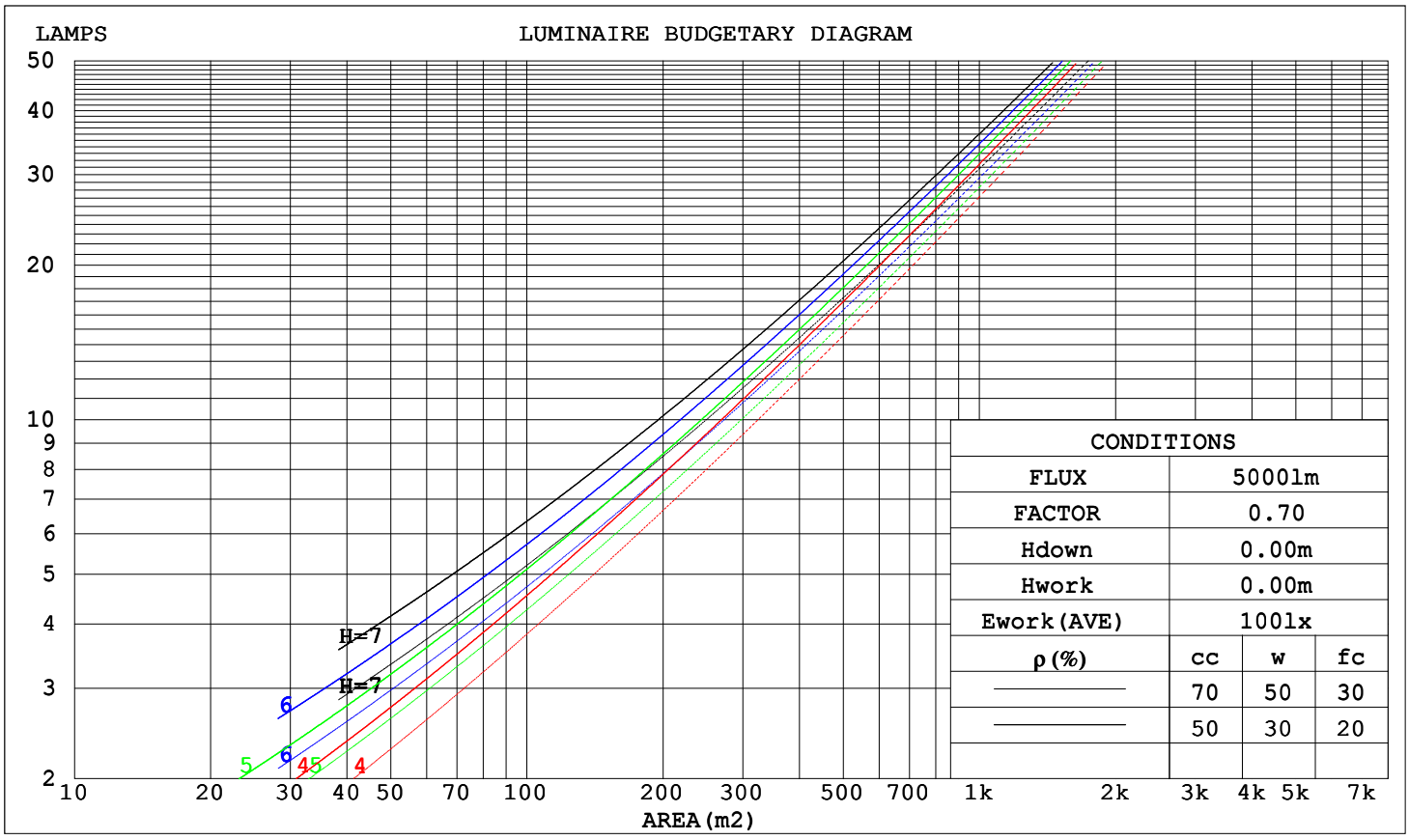
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

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	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.05	1.01	.98	1.03	.99	.96	.98	.95	.93	.94	.92	.89	.90	.88	.86	.84
2.0	.94	.87	.82	.91	.86	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.84	.76	.71	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.75	.67	.61	.74	.66	.61	.71	.65	.60	.68	.63	.59	.66	.61	.58	.55
5.0	.68	.60	.54	.67	.59	.53	.64	.58	.53	.62	.56	.52	.60	.55	.51	.49
6.0	.62	.54	.48	.61	.53	.47	.59	.52	.47	.57	.51	.46	.55	.50	.46	.44
7.0	.56	.48	.43	.55	.48	.42	.54	.47	.42	.52	.46	.41	.51	.45	.41	.39
8.0	.52	.44	.38	.51	.43	.38	.49	.43	.38	.48	.42	.37	.47	.41	.37	.35
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.34	.45	.38	.34	.43	.38	.34	.32
10.0	.44	.37	.32	.44	.36	.32	.42	.36	.31	.41	.35	.31	.40	.35	.31	.29



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	.274	.156	.049	.266	.152	.048	.251	.144	.046	.238	.137	.044	.226	.131	.042	
2.0	.256	.141	.043	.250	.138	.042	.237	.132	.041	.225	.126	.040	.215	.121	.038	
3.0	.239	.127	.038	.233	.125	.038	.222	.120	.037	.212	.116	.036	.202	.112	.035	
4.0	.223	.116	.034	.218	.114	.034	.208	.110	.033	.198	.107	.032	.190	.103	.031	
5.0	.208	.106	.031	.203	.104	.030	.195	.101	.030	.186	.098	.029	.179	.095	.029	
6.0	.195	.098	.028	.191	.096	.028	.183	.094	.027	.175	.091	.027	.168	.089	.026	
7.0	.183	.090	.026	.179	.089	.025	.172	.087	.025	.165	.085	.025	.159	.083	.024	
8.0	.172	.084	.024	.169	.083	.023	.162	.081	.023	.156	.079	.023	.151	.077	.023	
9.0	.162	.079	.022	.159	.078	.022	.154	.076	.022	.148	.074	.021	.143	.073	.021	
10.0	.154	.074	.020	.151	.073	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020	

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	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.196	.175	.156	.168	.150	.134	.115	.103	.093	.066	.060	.054	.021	.019	.017	
2.0	.186	.151	.121	.159	.130	.105	.109	.090	.073	.063	.052	.043	.020	.017	.014	
3.0	.177	.133	.097	.152	.115	.084	.104	.080	.059	.060	.046	.035	.019	.015	.011	
4.0	.169	.119	.081	.145	.103	.070	.100	.072	.050	.058	.042	.029	.019	.014	.010	
5.0	.162	.109	.069	.139	.094	.060	.096	.066	.043	.055	.039	.025	.018	.013	.008	
6.0	.155	.100	.061	.133	.087	.053	.092	.061	.037	.053	.036	.022	.017	.012	.007	
7.0	.148	.093	.054	.128	.081	.047	.088	.057	.034	.051	.033	.020	.017	.011	.007	
8.0	.142	.087	.049	.123	.076	.043	.085	.053	.031	.049	.031	.018	.016	.010	.006	
9.0	.137	.082	.046	.118	.071	.040	.082	.050	.028	.048	.030	.017	.015	.010	.006	
10.0	.132	.078	.043	.113	.068	.037	.079	.048	.026	.046	.028	.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	15.7	17.0	16.0	17.2	17.5	16.2	17.6	16.5	17.8	18.0
3H	16.5	17.8	16.8	18.0	18.3	16.8	18.0	17.1	18.3	18.6
4H	17.1	18.3	17.5	18.6	18.9	17.2	18.3	17.5	18.6	18.9
6H	17.8	18.9	18.2	19.2	19.5	17.6	18.7	18.0	19.0	19.3
8H	18.2	19.2	18.5	19.5	19.9	17.9	19.0	18.3	19.3	19.6
12H	18.5	19.5	18.8	19.8	20.1	18.1	19.1	18.5	19.5	19.8
4H 2H	15.9	17.0	16.2	17.3	17.6	16.4	17.6	16.7	17.9	18.1
3H	16.8	17.8	17.2	18.2	18.5	17.4	18.4	17.8	18.7	19.1
4H	17.6	18.5	18.0	18.9	19.3	18.0	18.9	18.4	19.3	19.7
6H	18.5	19.4	19.0	19.7	20.2	18.7	19.5	19.1	19.9	20.3
8H	19.0	19.8	19.4	20.2	20.6	19.1	19.9	19.6	20.3	20.7
12H	19.3	20.0	19.8	20.5	20.9	19.5	20.2	19.9	20.6	21.0
8H 4H	17.9	18.7	18.4	19.1	19.5	18.2	19.0	18.7	19.4	19.8
6H	19.0	19.6	19.5	20.1	20.6	19.2	19.9	19.7	20.3	20.8
8H	19.6	20.2	20.1	20.6	21.1	19.8	20.4	20.3	20.8	21.3
12H	20.1	20.6	20.6	21.0	21.6	20.3	20.8	20.8	21.3	21.8
12H 4H	18.0	18.7	18.4	19.1	19.6	18.3	19.0	18.7	19.4	19.8
6H	19.2	19.7	19.6	20.2	20.7	19.3	19.9	19.8	20.4	20.9
8H	19.8	20.3	20.3	20.8	21.3	20.0	20.5	20.5	21.0	21.5

Variations with the observer position at spacings:		
S = 1.0H	+ 0.4 / - 0.4	+ 0.4 / - 0.6
1.5H	+ 0.3 / - 0.6	+ 0.3 / - 0.6
2.0H	+ 1.1 / - 0.9	+ 0.8 / - 1.2

CIE Pub.117 Corrected 2747 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.5)

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	64	54	47	63	53	47	62	53	47	41
0.80	74	64	57	73	63	57	71	62	56	50
1.00	82	72	66	80	71	65	78	72	65	58
1.25	88	79	73	87	78	72	84	77	72	65
1.50	93	84	78	91	83	77	88	81	76	69
2.00	98	91	85	96	90	85	93	87	83	75
2.50	101	95	89	99	93	88	95	90	86	78
3.00	104	98	93	102	97	92	98	93	90	81
4.00	107	102	98	105	101	97	101	97	94	85
5.00	109	105	102	107	103	100	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

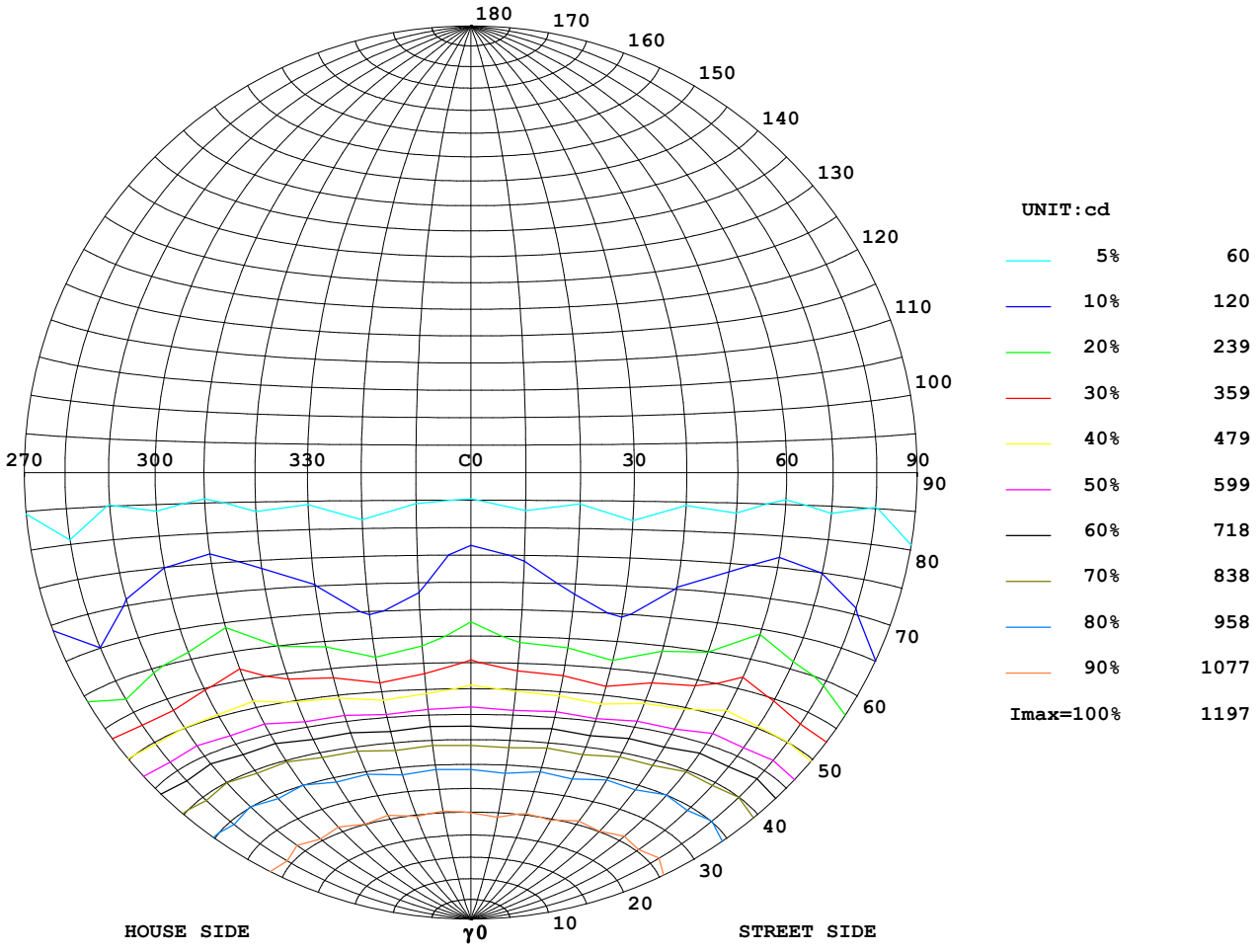
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



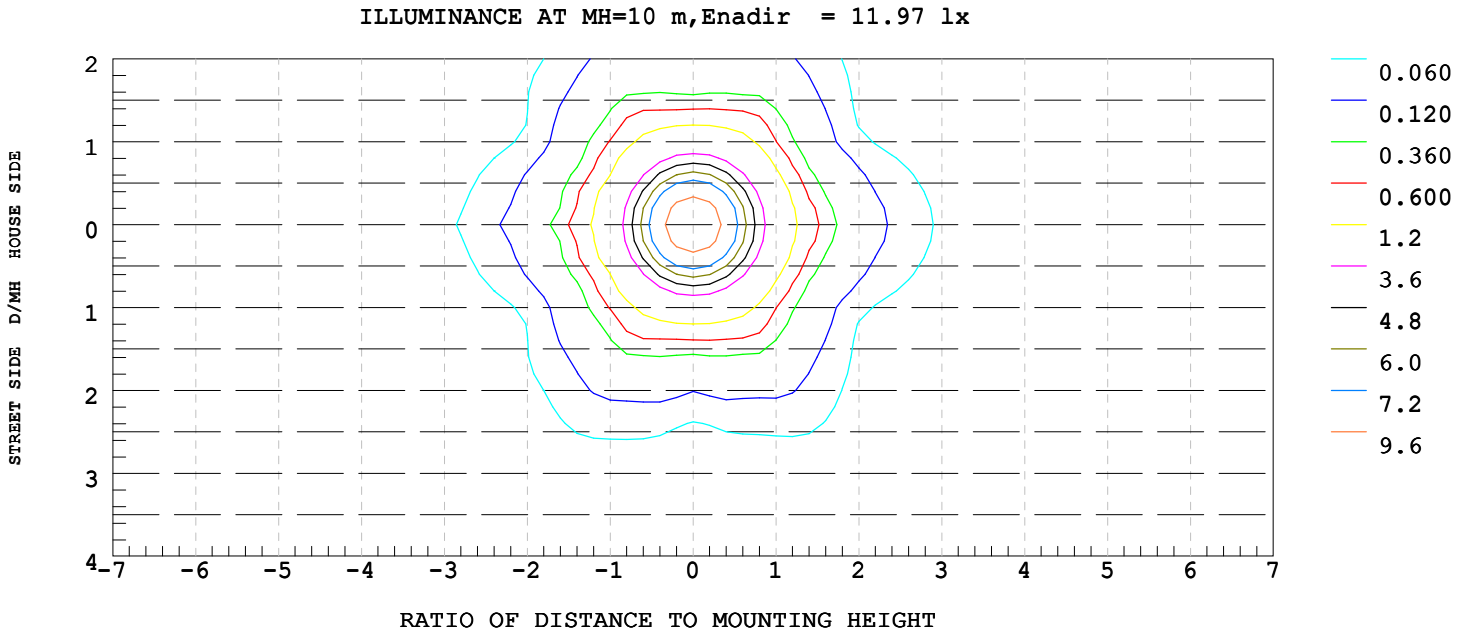
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

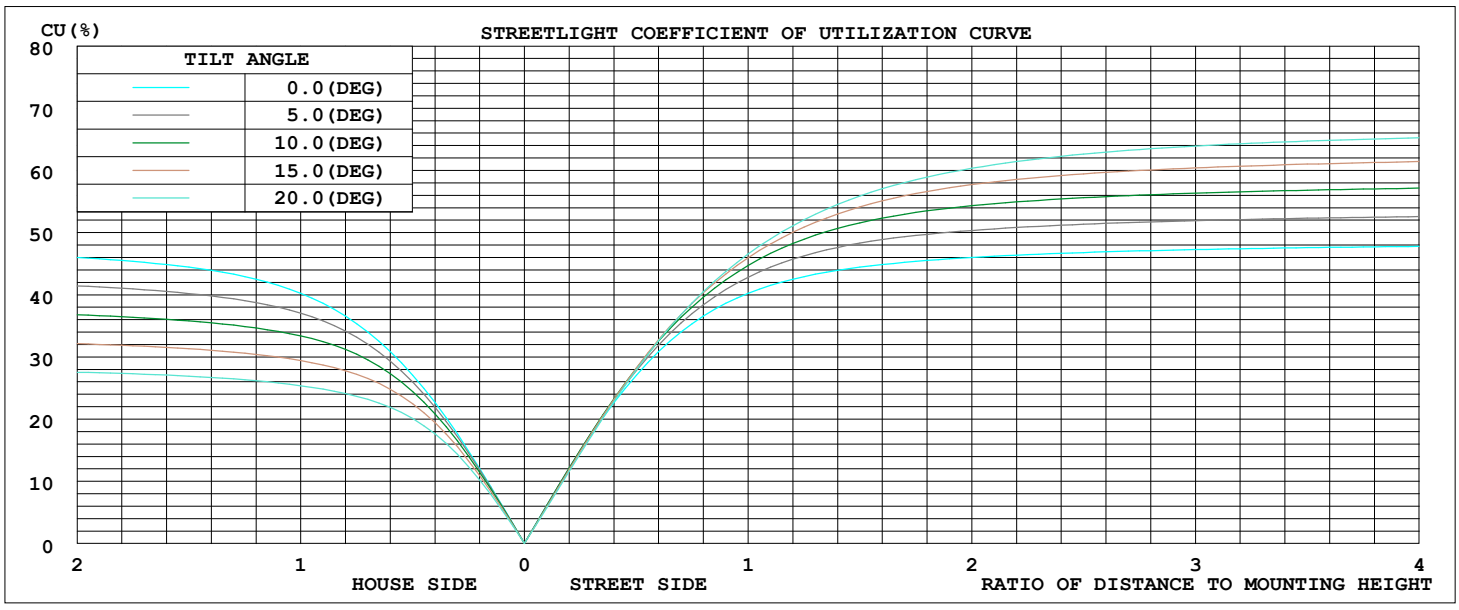
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

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





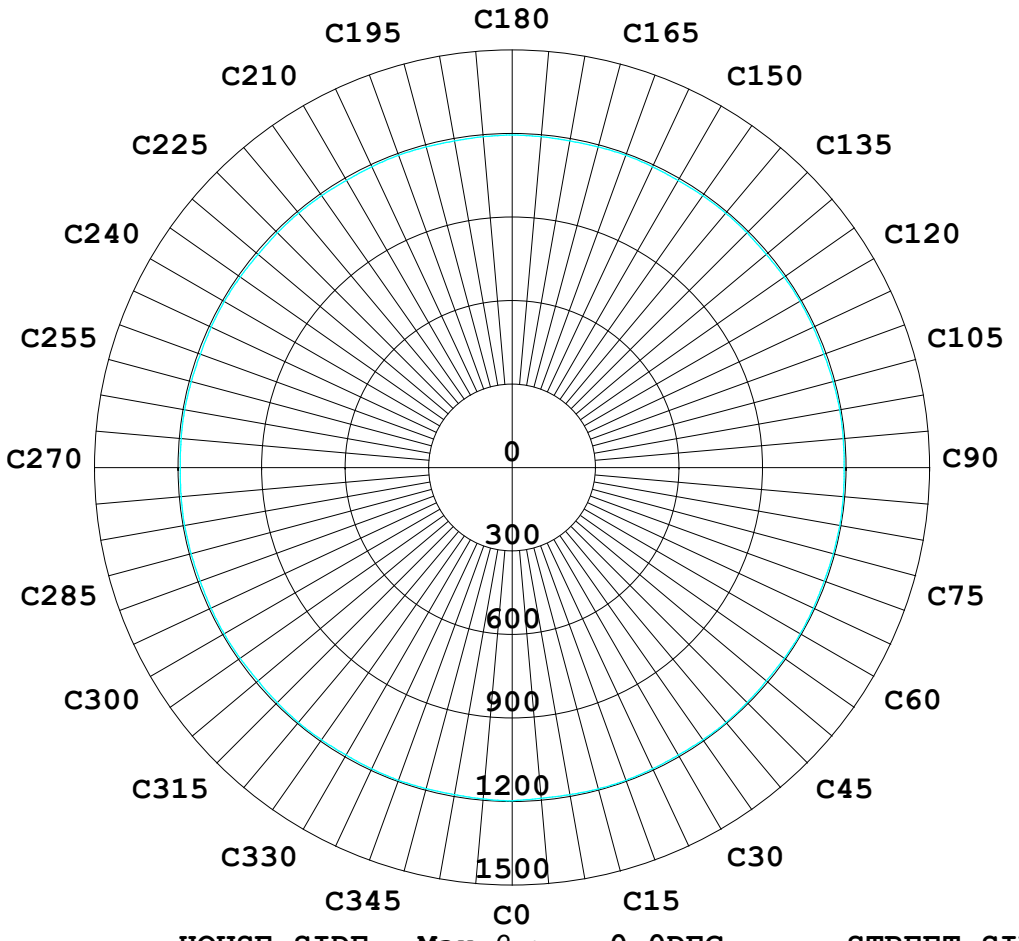
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	1197	1193	1195	1193	1195	1193	1195	1193	1195	1193	1195	1192	1195	1192	1194
5.0	1193	1188	1193	1189	1194	1190	1195	1191	1196	1191	1196	1192	1196	1191	1195
10.0	1179	1172	1180	1174	1182	1177	1183	1178	1185	1180	1186	1181	1186	1180	1185
15.0	1155	1148	1157	1151	1160	1153	1162	1156	1164	1157	1166	1159	1166	1159	1166
20.0	1122	1114	1123	1118	1128	1121	1130	1124	1133	1126	1134	1127	1135	1128	1135
25.0	1076	1069	1081	1075	1086	1078	1088	1081	1092	1084	1094	1086	1095	1087	1095
30.0	1020	1010	1026	1016	1031	1022	1035	1025	1039	1029	1043	1032	1043	1033	1046
35.0	940	931	943	932	949	943	958	947	958	946	963	958	971	962	973
40.0	806	799	810	794	815	813	830	823	836	821	844	843	858	848	858
45.0	641	627	643	621	639	631	659	647	668	656	684	679	700	684	695
50.0	496	467	445	405	458	470	504	487	480	466	483	501	536	513	501
55.0	368	313	302	267	307	329	393	351	282	279	300	341	403	351	278
60.0	274	218	206	173	222	237	305	254	232	183	226	241	306	244	226
65.0	208	165	138	112	155	182	226	190	163	120	155	177	223	182	145
70.0	170	139	109	83.6	121	145	178	151	123	87.1	114	141	178	146	105
75.0	133	114	101	75.4	104	110	132	119	104	73.1	96.6	114	137	112	90.1
80.0	95.4	83.0	87.4	67.5	85.3	78.5	93.8	86.4	86.4	61.7	82.0	84.5	94.7	78.4	77.0
85.0	62.0	45.5	55.9	42.3	56.3	50.4	65.1	52.2	60.7	45.4	58.2	49.3	60.3	45.7	54.1
90.0	15.2	5.70	17.0	7.20	20.7	11.2	26.4	12.8	24.7	12.0	24.4	13.7	27.7	13.2	22.0
95.0	8.00	2.60	7.40	2.60	7.50	2.40	7.90	2.20	7.30	2.10	7.20	2.20	7.90	2.30	7.20
100.0	7.60	3.50	7.00	3.20	6.90	3.00	7.10	2.80	6.60	2.60	6.60	2.80	7.10	2.90	6.70
105.0	7.90	4.70	7.40	4.30	7.00	3.80	7.00	3.60	6.50	3.40	6.50	3.60	7.00	3.70	6.80
110.0	8.70	6.00	8.20	5.60	7.60	4.90	7.40	4.60	6.90	4.40	6.90	4.60	7.40	4.80	7.30
115.0	9.90	7.60	9.30	7.10	8.60	6.40	8.20	5.90	7.80	5.80	7.80	6.00	8.20	6.20	8.29
120.0	11.2	9.30	10.5	8.80	9.90	8.00	9.40	7.60	9.00	7.50	9.00	7.50	9.30	7.80	9.60
125.0	12.6	10.9	12.0	10.4	11.2	9.60	10.8	9.30	10.5	9.20	10.5	9.20	10.7	9.40	10.9
130.0	13.9	12.5	13.3	11.8	12.6	11.2	12.2	10.9	11.9	10.9	12.0	11.0	12.2	11.0	12.2
135.0	15.0	13.9	14.4	13.0	13.7	12.6	13.4	12.3	13.2	12.4	13.4	12.5	13.4	12.4	13.5
140.0	16.2	15.0	15.5	14.2	14.9	13.7	14.4	13.5	14.4	13.7	14.5	13.7	14.5	13.7	14.5
145.0	17.1	16.1	16.4	15.2	15.8	14.9	15.4	14.5	15.2	14.8	15.7	14.9	15.6	14.9	15.7
150.0	17.8	17.0	17.2	16.1	16.5	15.9	16.3	15.5	16.1	15.8	16.6	16.1	16.5	16.0	16.5
155.0	18.5	17.8	18.0	17.0	17.2	16.7	17.2	16.5	17.0	16.7	17.6	17.1	17.5	17.0	17.5
160.0	18.9	18.5	18.6	17.8	17.9	17.6	18.0	17.5	17.8	17.7	18.5	18.0	18.4	18.0	18.2
165.0	19.3	19.0	19.1	18.1	18.5	18.2	18.9	18.2	18.6	18.6	19.4	19.0	19.3	18.7	19.0
170.0	19.5	19.2	19.4	18.5	18.9	18.6	19.4	18.9	19.2	19.3	19.9	19.5	19.7	19.3	19.5
175.0	19.5	19.2	19.3	18.5	19.0	18.7	19.6	19.1	19.5	19.6	20.2	19.5	19.7	19.4	19.6
180.0	19.3	19.1	19.0	18.5	18.7	18.7	19.5	19.2	19.6	20.0	20.0	19.4	19.6	19.4	19.5

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	1192	1194	1192	1195	1192	1194	1192	1194	1192	1195	1192	1195	1193	1195	1193
5.0	1191	1195	1190	1194	1190	1195	1191	1195	1191	1196	1192	1196	1191	1196	1191
10.0	1179	1184	1178	1183	1178	1184	1179	1185	1180	1186	1181	1186	1180	1185	1178
15.0	1157	1164	1156	1162	1156	1164	1157	1166	1159	1166	1159	1166	1157	1164	1156
20.0	1127	1134	1125	1131	1125	1134	1127	1135	1128	1135	1127	1134	1126	1133	1124
25.0	1086	1093	1083	1089	1083	1093	1086	1095	1087	1095	1086	1094	1084	1092	1081
30.0	1032	1042	1028	1037	1028	1042	1032	1046	1033	1043	1032	1043	1029	1039	1025
35.0	959	971	956	964	956	971	959	973	962	971	958	963	946	958	947
40.0	841	860	847	854	847	860	841	858	848	858	843	844	821	836	823
45.0	677	709	693	699	693	709	677	695	684	700	679	684	656	668	647
50.0	471	505	518	528	518	505	471	501	513	536	501	483	466	480	487
55.0	285	278	345	384	345	278	285	278	351	403	341	300	279	282	351
60.0	177	220	238	283	238	220	177	226	244	306	241	226	183	232	254
65.0	109	145	182	212	182	145	109	145	182	223	177	155	120	163	190
70.0	74.8	114	156	178	156	114	74.8	105	146	178	141	114	87.1	123	151
75.0	62.4	101	121	141	121	101	62.4	90.1	112	137	114	96.6	73.1	104	119
80.0	54.5	82.3	79.6	93.5	79.6	82.3	54.5	77.0	78.4	94.7	84.5	82.0	61.7	86.4	86.4
85.0	37.9	52.9	40.2	51.5	40.2	52.9	37.9	54.1	45.7	60.3	49.3	58.2	45.4	60.7	52.2
90.0	9.00	18.6	7.90	16.7	7.90	18.6	9.00	22.0	13.2	27.7	13.7	24.4	12.0	24.7	12.8
95.0	2.40	7.40	2.60	7.80	2.60	7.40	2.40	7.20	2.30	7.90	2.20	7.20	2.10	7.30	2.20
100.0	3.00	7.00	3.30	7.30	3.30	7.00	3.00	6.70	2.90	7.10	2.80	6.60	2.60	6.60	2.80
105.0	4.00	7.20	4.30	7.50	4.30	7.20	4.00	6.80	3.70	7.00	3.60	6.50	3.40	6.50	3.60
110.0	5.30	7.90	5.50	8.10	5.50	7.90	5.30	7.30	4.80	7.40	4.60	6.90	4.40	6.90	4.60
115.0	6.70	8.90	7.00	9.09	7.00	8.90	6.70	8.29	6.20	8.20	6.00	7.80	5.80	7.80	5.90
120.0	8.29	10.1	8.60	10.2	8.60	10.1	8.29	9.60	7.80	9.30	7.50	9.00	7.50	9.00	7.60
125.0	9.90	11.4	10.1	11.5	10.1	11.4	9.90	10.9	9.40	10.7	9.20	10.5	9.20	10.5	9.30
130.0	11.4	12.7	11.7	12.9	11.7	12.7	11.4	12.2	11.0	12.2	11.0	12.0	10.9	11.9	10.9
135.0	12.7	13.9	13.0	14.0	13.0	13.9	12.7	13.5	12.4	13.4	12.5	13.4	12.4	13.2	12.3
140.0	14.0	15.0	14.2	15.2	14.2	15.0	14.0	14.5	13.7	14.5	13.7	14.5	13.7	14.4	13.5
145.0	15.0	16.0	15.2	16.2	15.2	16.0	15.0	15.7	14.9	15.6	14.9	15.7	14.8	15.2	14.5
150.0	16.1	16.9	16.2	17.0	16.2	16.9	16.1	16.5	16.0	16.5	16.1	16.6	15.8	16.1	15.5
155.0	17.0	17.6	17.0	17.7	17.0	17.6	17.0	17.5	17.0	17.5	17.1	17.6	16.7	17.0	16.5
160.0	17.8	18.4	17.8	18.4	17.8	18.4	17.8	18.2	18.0	18.4	18.0	18.5	17.7	17.8	17.5
165.0	18.5	18.9	18.2	19.0	18.2	18.9	18.5	19.0	18.7	19.3	19.0	19.4	18.6	18.6	18.2
170.0	19.0	19.3	18.7	19.4	18.7	19.3	19.0	19.5	19.3	19.7	19.5	19.9	19.3	19.2	18.9
175.0	19.1	19.5	18.9	19.5	18.9	19.5	19.1	19.6	19.4	19.7	19.5	20.2	19.6	19.5	19.1
180.0	19.3	19.5	19.1	19.5	19.1	19.5	19.3	19.5	19.4	19.6	19.4	20.0	20.0	19.6	19.2

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	1195	1193	1195	1193	1195	1193
5.0	1195	1190	1194	1189	1193	1188
10.0	1183	1177	1182	1174	1180	1172
15.0	1162	1153	1160	1151	1157	1148
20.0	1130	1121	1128	1118	1123	1114
25.0	1088	1078	1086	1075	1081	1069
30.0	1035	1022	1031	1016	1026	1010
35.0	958	943	949	932	943	931
40.0	830	813	815	794	810	799
45.0	659	631	639	621	643	627
50.0	504	470	458	405	445	467
55.0	393	329	307	267	302	313
60.0	305	237	222	173	206	218
65.0	226	182	155	112	138	165
70.0	178	145	121	83.6	109	139
75.0	132	110	104	75.4	101	114
80.0	93.8	78.5	85.3	67.5	87.4	83.0
85.0	65.1	50.4	56.3	42.3	55.9	45.5
90.0	26.4	11.2	20.7	7.20	17.0	5.70
95.0	7.90	2.40	7.50	2.60	7.40	2.60
100.0	7.10	3.00	6.90	3.20	7.00	3.50
105.0	7.00	3.80	7.00	4.30	7.40	4.70
110.0	7.40	4.90	7.60	5.60	8.20	6.00
115.0	8.20	6.40	8.60	7.10	9.30	7.60
120.0	9.40	8.00	9.90	8.80	10.5	9.30
125.0	10.8	9.60	11.2	10.4	12.0	10.9
130.0	12.2	11.2	12.6	11.8	13.3	12.5
135.0	13.4	12.6	13.7	13.0	14.4	13.9
140.0	14.4	13.7	14.9	14.2	15.5	15.0
145.0	15.4	14.9	15.8	15.2	16.4	16.1
150.0	16.3	15.9	16.5	16.1	17.2	17.0
155.0	17.2	16.7	17.2	17.0	18.0	17.8
160.0	18.0	17.6	17.9	17.8	18.6	18.5
165.0	18.9	18.2	18.5	18.1	19.1	19.0
170.0	19.4	18.6	18.9	18.5	19.4	19.2
175.0	19.6	18.7	19.0	18.5	19.3	19.2
180.0	19.5	18.7	18.7	18.5	19.0	19.1

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: