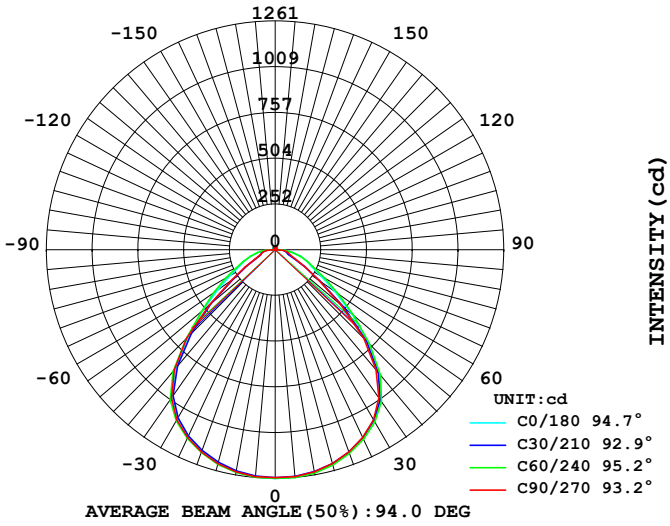
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

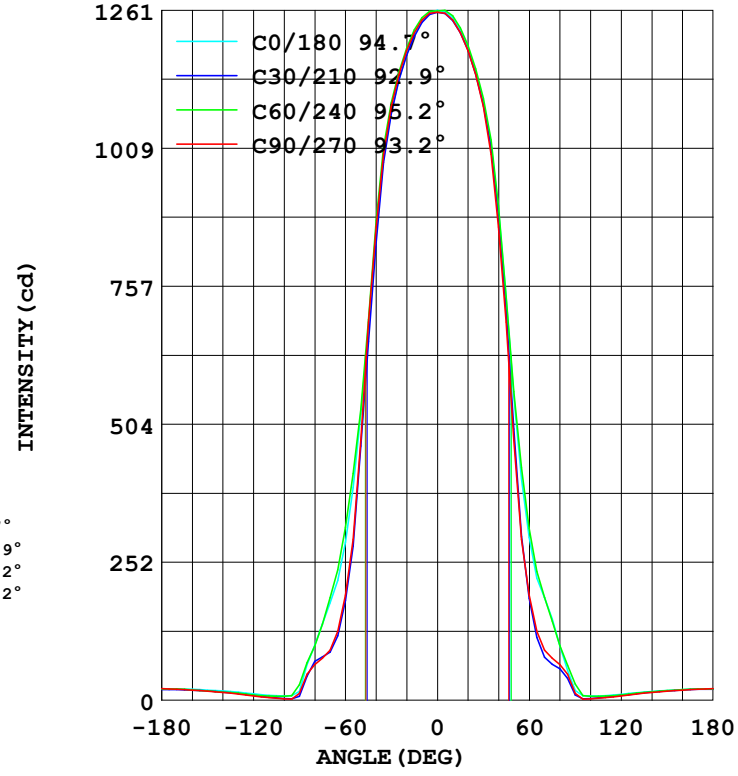
DATA OF LAMP		Imax(cd)	1261	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	28	TOTAL FLUX(lm)	2900.3	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	104.1	Current(A)	0.127
NOMINAL FLUX(lm)	2900.4	η up(%)	2.4	Power(W)	27.85
LAMPS QUANTITY	1	η down(%)	97.6	Power Factor(PF)	0.994
TEST VOLTAGE(V)	220.4	Effictive Flux(lm)	2470.0	EEI	0.154

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):94.0 DEG

LUMINOUS INTENSITY DISTRIBUTION



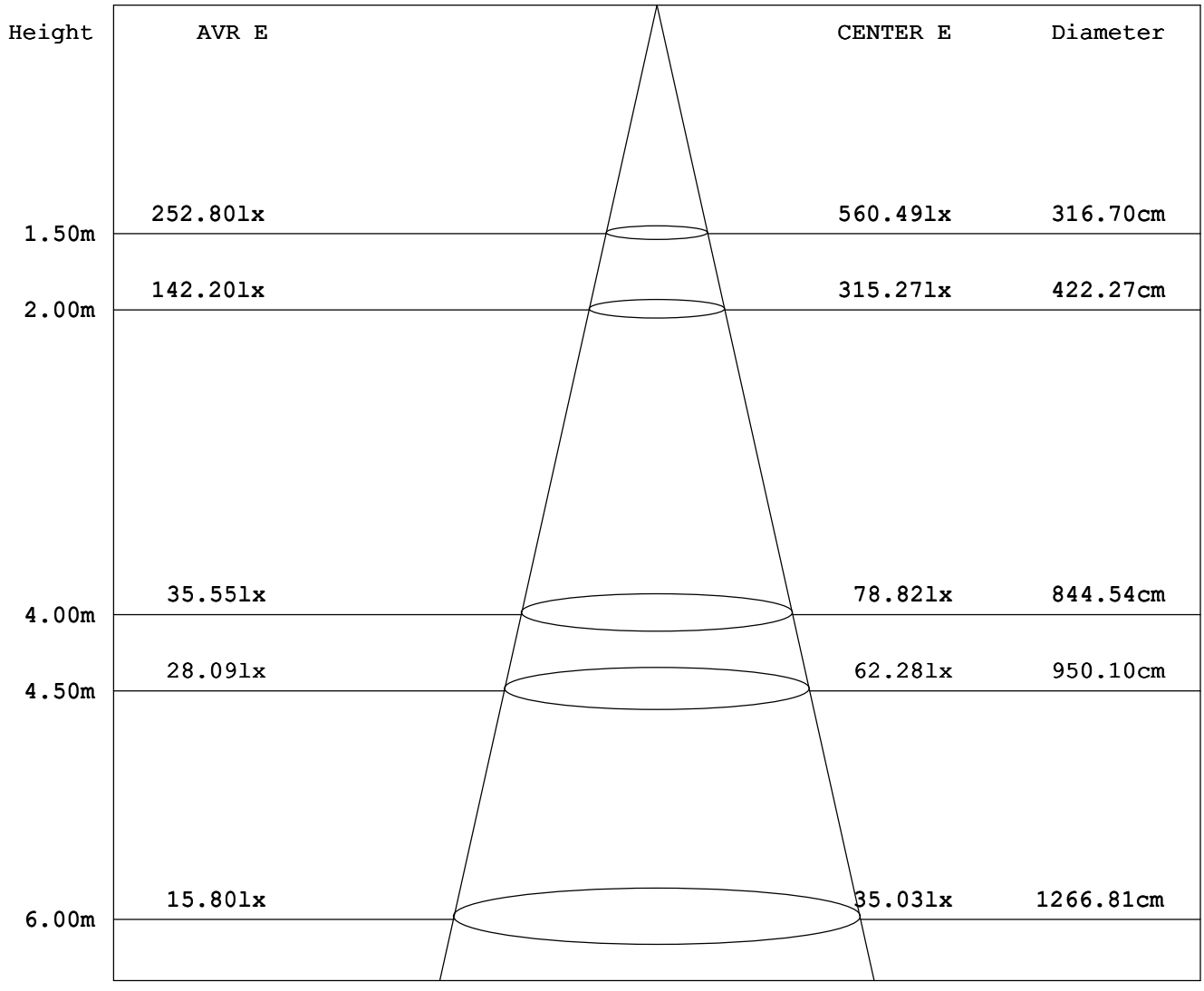
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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:93.1deg

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	1242	1243	1243	1246	1247	1246	1243	1243	0- 10	119.5	119.5
20.0	1181	1185	1187	1193	1192	1193	1187	1185	10- 20	344.8	464.3
30.0	1075	1083	1085	1095	1092	1095	1085	1083	20- 30	526.8	991.2
40.0	851.2	858.8	865.0	898.7	899.0	898.7	865.0	858.8	30- 40	622.2	1613
50.0	523.2	489.8	475.5	533.2	555.5	533.2	475.5	489.8	40- 50	538.0	2152
60.0	288.7	242.5	192.2	246.6	297.1	246.6	192.2	242.5	50- 60	318.3	2470
70.0	178.4	139.8	91.79	131.6	187.3	131.6	91.79	139.8	60- 70	183.1	2653
80.0	100.1	86.35	65.10	81.89	98.90	81.89	65.10	86.35	70- 80	119.2	2772
90.0	16.20	16.85	12.70	18.59	17.90	18.59	12.70	16.85	80- 90	57.88	2830
100.0	8.100	5.300	2.800	5.100	7.800	5.100	2.800	5.300	90-100	9.036	2839
110.0	9.200	6.600	4.700	6.450	8.600	6.450	4.700	6.600	100-110	6.260	2846
120.0	11.70	9.400	7.900	9.250	10.90	9.250	7.900	9.400	110-120	7.964	2853
130.0	14.70	12.55	11.50	12.35	13.70	12.35	11.50	12.55	120-130	9.901	2863
140.0	17.00	15.15	14.40	15.00	16.10	15.00	14.40	15.15	130-140	10.81	2874
150.0	18.70	17.09	16.69	17.25	18.00	17.25	16.69	17.09	140-150	10.22	2884
160.0	19.90	18.70	18.70	19.20	19.40	19.20	18.70	18.70	150-160	8.417	2893
170.0	20.60	19.79	20.29	20.40	20.50	20.40	20.29	19.79	160-170	5.586	2898
180.0	20.40	19.84	21.10	20.50	20.60	20.50	21.10	19.84	170-180	1.943	2900
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

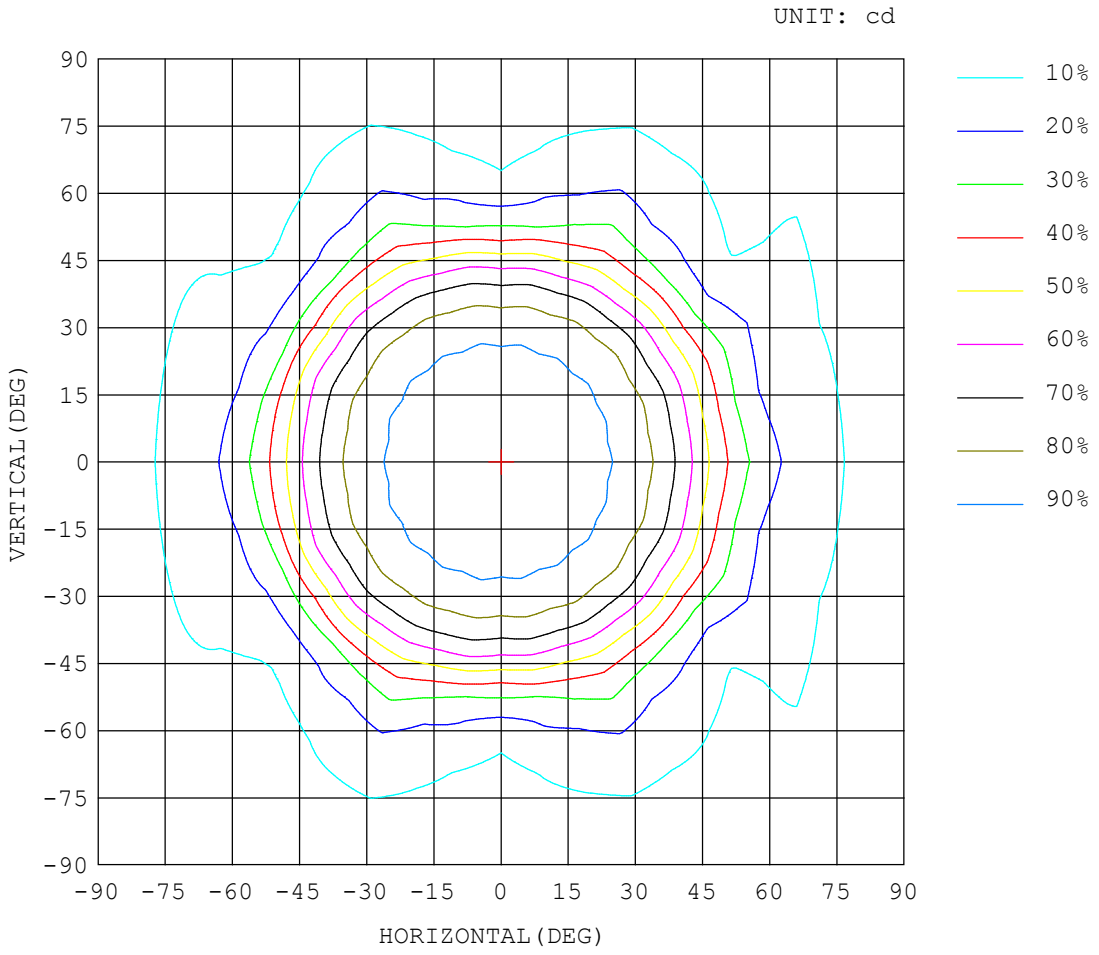
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



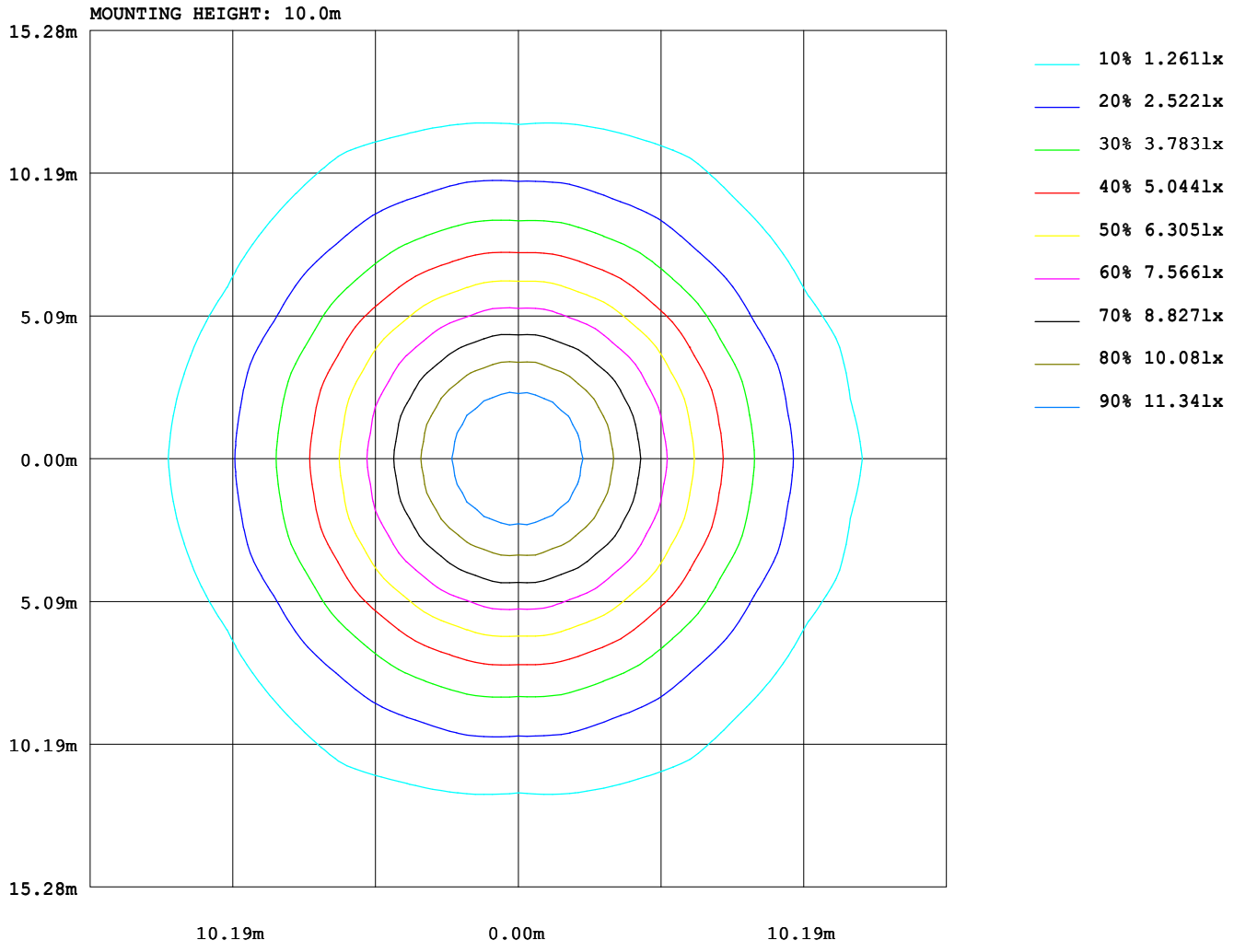
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	0.19	0.37	0.61	0.91	1.24	1.51	1.59	1.54	1.58	1.65	1.56	1.29	0.95	0.63	0.38	0.19	0.04	16.3	15.0
80	0.06	0.33	0.71	1.07	1.80	2.67	3.38	3.21	2.74	2.85	3.38	3.37	2.63	1.91	1.23	0.81	0.36	0.07	32.6	30.3
70	0.08	0.46	0.99	1.28	2.37	4.09	5.46	5.17	4.63	4.77	5.48	5.57	4.08	2.61	1.52	1.17	0.52	0.09	50.4	47.0
60	0.10	0.59	1.24	1.53	3.13	5.85	9.09	9.71	9.61	9.62	9.86	9.06	5.80	3.34	1.76	1.52	0.65	0.12	82.6	78.4
50	0.13	0.72	1.51	2.20	4.56	9.06	15.2	18.9	20.8	20.6	18.2	14.3	8.64	4.52	2.48	1.83	0.75	0.14	145	140
40	0.14	0.85	1.86	3.37	7.10	15.1	22.6	27.7	30.0	29.8	27.1	21.4	13.9	6.91	3.81	2.02	0.84	0.16	215	209
30	0.16	0.98	2.25	4.51	10.9	20.3	27.9	32.3	34.5	34.4	32.1	27.2	19.0	10.6	4.90	2.14	0.93	0.18	266	259
	0.17	1.08	2.60	5.97	14.2	23.6	30.3	34.6	36.8	36.7	34.4	29.8	22.6	13.0	5.60	2.41	1.02	0.19	296	288
	0.18	1.15	2.91	7.03	15.5	24.8	31.3	35.6	37.8	37.8	35.4	30.9	24.0	14.3	6.61	2.79	1.10	0.20	310	302
	0.18	1.15	2.91	7.03	15.5	24.8	31.3	35.6	37.8	37.8	35.4	30.9	24.0	14.3	6.61	2.79	1.10	0.20	310	302
	0.17	1.08	2.60	5.97	14.2	23.6	30.3	34.6	36.8	36.7	34.4	29.8	22.6	13.0	5.60	2.41	1.02	0.19	296	288
-30	0.16	0.98	2.25	4.51	10.9	20.3	27.9	32.3	34.5	34.4	32.1	27.2	19.0	10.6	4.90	2.14	0.93	0.18	266	259
-40	0.14	0.85	1.86	3.37	7.10	15.1	22.6	27.7	30.0	29.8	27.1	21.4	13.9	6.91	3.81	2.02	0.84	0.16	215	209
-50	0.13	0.72	1.51	2.20	4.56	9.06	15.2	18.9	20.8	20.6	18.2	14.3	8.64	4.52	2.48	1.83	0.75	0.14	145	140
-60	0.10	0.59	1.24	1.53	3.13	5.85	9.09	9.71	9.61	9.62	9.86	9.06	5.80	3.34	1.76	1.52	0.65	0.12	82.6	78.4
-70	0.08	0.46	0.99	1.28	2.37	4.09	5.46	5.17	4.63	4.77	5.48	5.57	4.08	2.61	1.52	1.17	0.52	0.09	50.4	47.0
-80	0.06	0.33	0.71	1.07	1.80	2.67	3.38	3.21	2.74	2.85	3.38	3.37	2.63	1.91	1.23	0.81	0.36	0.07	32.6	30.3
-90	0.04	0.19	0.37	0.61	0.91	1.24	1.51	1.59	1.54	1.58	1.65	1.56	1.29	0.95	0.63	0.38	0.19	0.04	16.3	15.0
HORIZONTAL(DEG)																				
Φ t	2.15	12.7	28.9	55.2	121	214	294	338	357	357	336	287	205	117	57.1	30.2	12.7	2.35	2900	
Φ a	0.00	0.00	0.00	55.2	121	214	294	338	357	357	336	287	205	117	57.1	0.00	0.00	0.00		2470

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

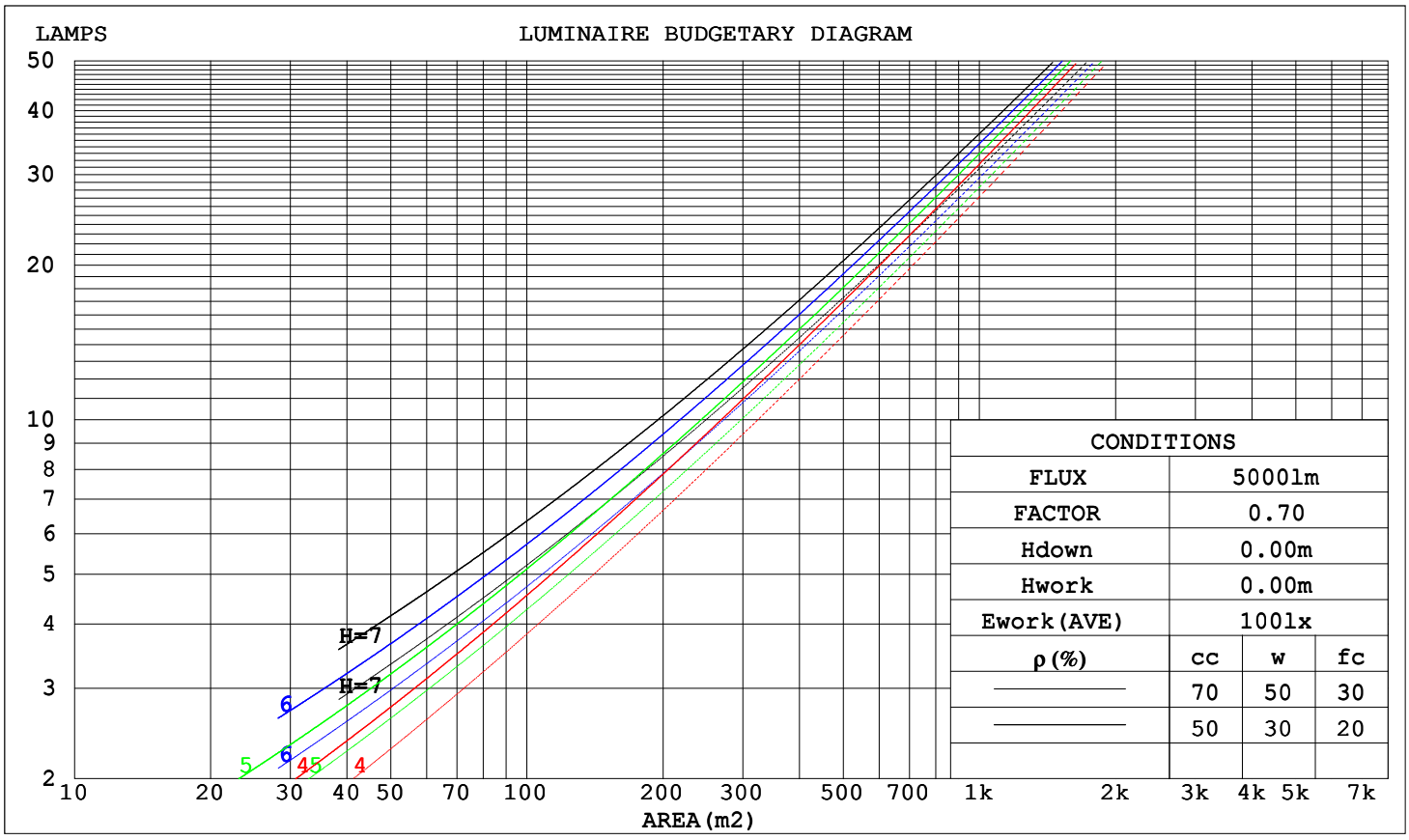
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

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	.91	.89	.90	.88	.86	.84
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.84	.80	.77	.81	.78	.75	.73
3.0	.84	.76	.70	.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	.52	.62	.56	.52	.60	.55	.51	.49
6.0	.62	.53	.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	.44	.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	.252	.145	.046	.239	.138	.044	.226	.131	.042	
2.0	.257	.141	.043	.250	.138	.042	.237	.132	.041	.226	.127	.040	.215	.122	.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	.199	.107	.032	.190	.103	.031	
5.0	.208	.106	.031	.204	.105	.030	.195	.101	.030	.187	.098	.029	.179	.096	.029	
6.0	.195	.098	.028	.191	.096	.028	.183	.094	.027	.175	.091	.027	.169	.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	.179	.179	.179	.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	.160	.130	.105	.109	.090	.073	.063	.052	.043	.020	.017	.014	
3.0	.177	.133	.097	.152	.115	.084	.104	.080	.059	.060	.047	.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	.050	.123	.076	.043	.085	.053	.031	.049	.031	.018	.016	.010	.006	
9.0	.137	.082	.046	.118	.072	.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	16.0	17.4	16.3	17.6	17.8	16.4	17.7	16.7	17.9	18.2
	3H	17.0	18.2	17.3	18.5	18.8	16.9	18.2	17.3	18.5	18.7
	4H	17.6	18.8	17.9	19.0	19.3	17.3	18.5	17.6	18.8	19.1
	6H	18.2	19.3	18.5	19.6	19.9	17.8	18.9	18.1	19.2	19.5
	8H	18.5	19.6	18.9	19.9	20.2	18.1	19.1	18.4	19.4	19.8
	12H	18.8	19.8	19.2	20.1	20.5	18.3	19.3	18.7	19.6	20.0
4H	2H	16.2	17.4	16.5	17.7	18.0	16.6	17.7	16.9	18.0	18.3
	3H	17.3	18.3	17.7	18.6	19.0	17.6	18.6	17.9	18.9	19.3
	4H	18.1	19.0	18.5	19.4	19.8	18.2	19.1	18.6	19.5	19.8
	6H	19.0	19.8	19.4	20.2	20.6	18.9	19.7	19.3	20.1	20.5
	8H	19.4	20.2	19.9	20.6	21.0	19.3	20.1	19.7	20.5	20.9
	12H	19.7	20.4	20.2	20.9	21.3	19.6	20.3	20.1	20.8	21.2
8H	4H	18.4	19.1	18.8	19.5	20.0	18.4	19.2	18.9	19.6	20.0
	6H	19.4	20.1	19.9	20.5	21.0	19.4	20.0	19.9	20.5	21.0
	8H	20.0	20.6	20.5	21.0	21.5	20.0	20.5	20.5	21.0	21.5
	12H	20.5	20.9	21.0	21.4	22.0	20.5	21.0	21.0	21.4	22.0
12H	4H	18.4	19.1	18.9	19.5	20.0	18.4	19.1	18.9	19.6	20.0
	6H	19.6	20.1	20.1	20.6	21.1	19.5	20.1	20.0	20.5	21.0
	8H	20.2	20.7	20.7	21.2	21.7	20.2	20.7	20.7	21.2	21.7

Variations with the observer position at spacings:		
S = 1.0H	+ 0.3 / - 0.4	+ 0.4 / - 0.6
1.5H	+ 0.2 / - 0.5	+ 0.3 / - 0.6
2.0H	+ 0.9 / - 0.8	+ 0.8 / - 1.2

CIE Pub.117 Corrected 2900 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.7)

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	71	65
1.50	92	84	78	91	83	77	88	81	76	69
2.00	98	91	85	96	90	84	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	100	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	

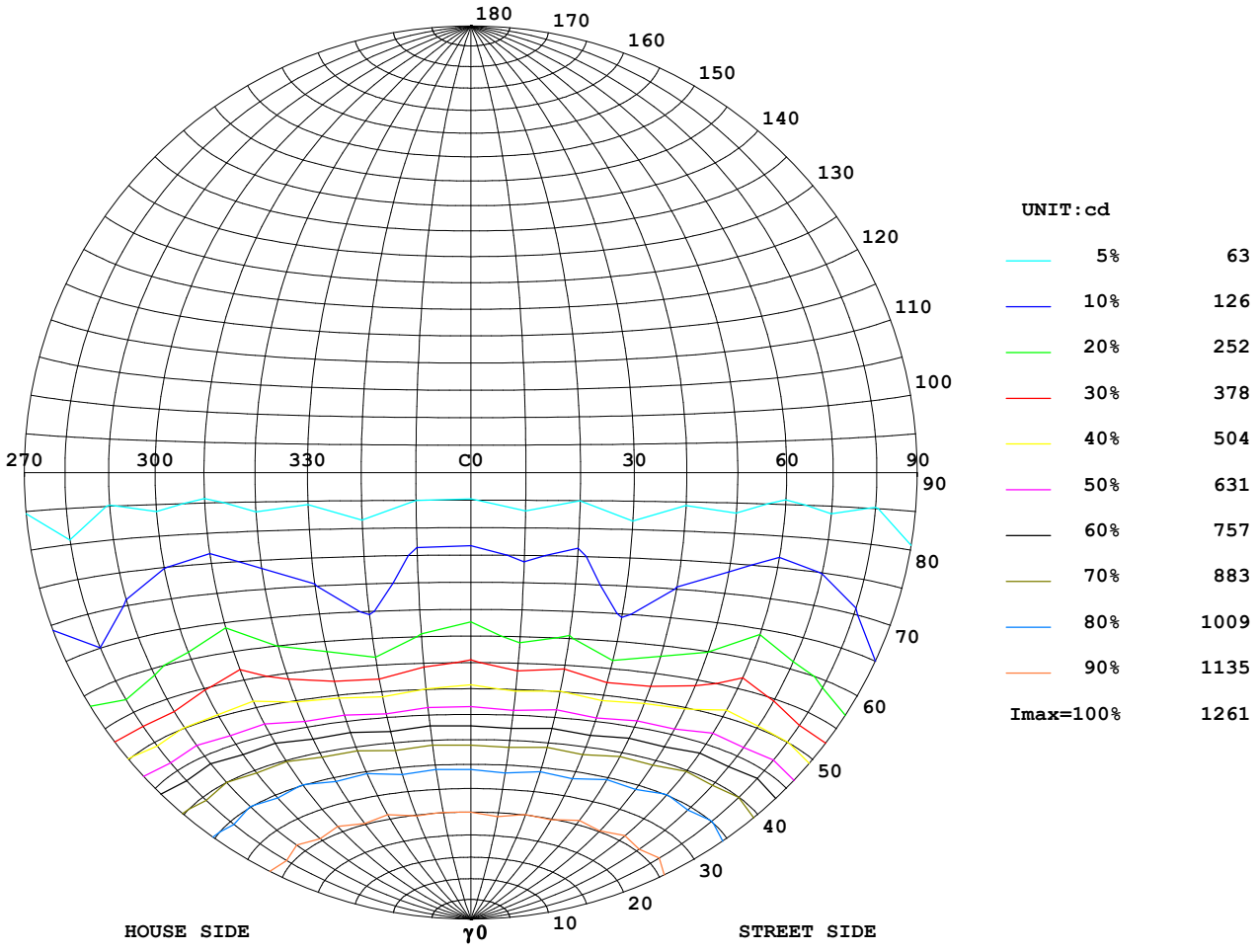
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



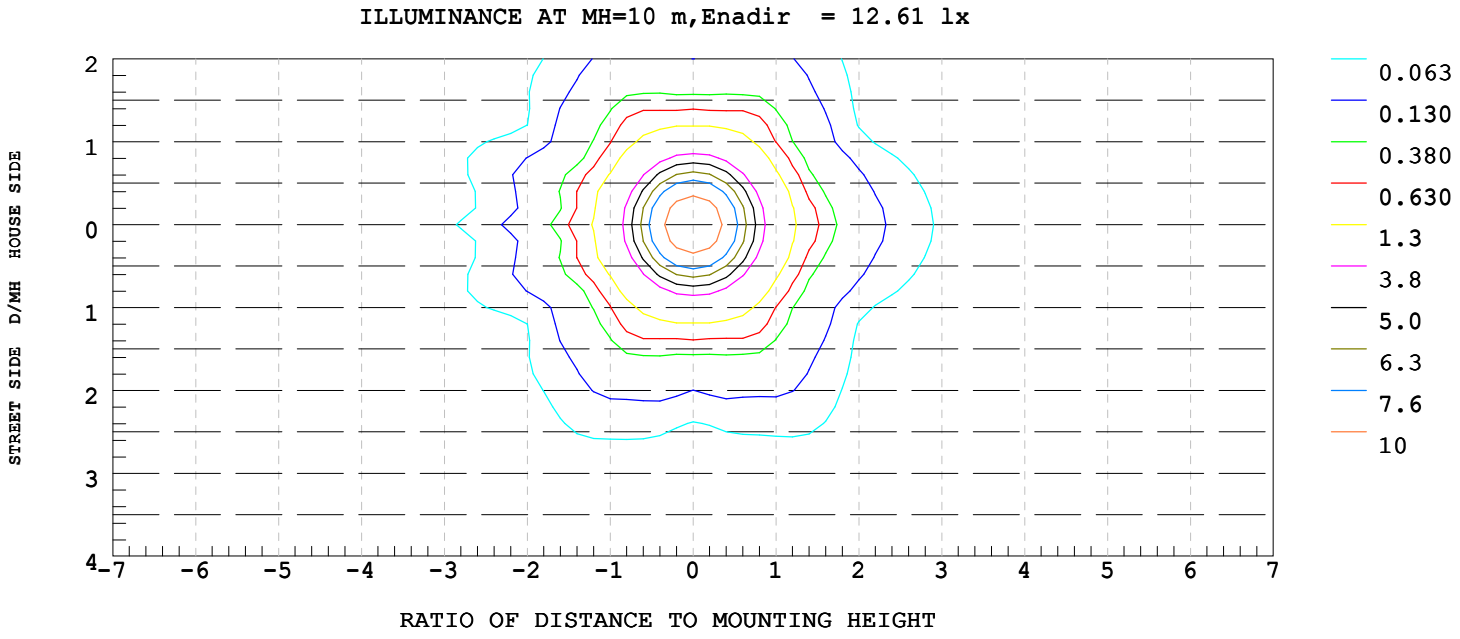
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

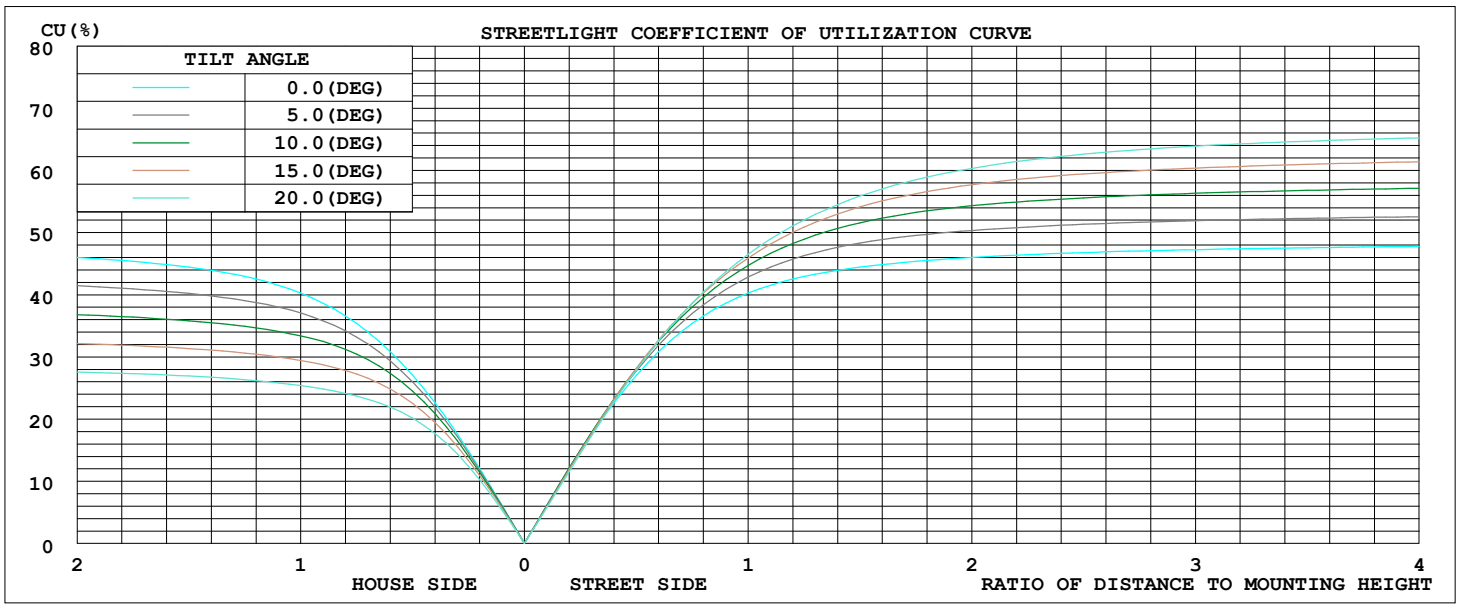
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

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





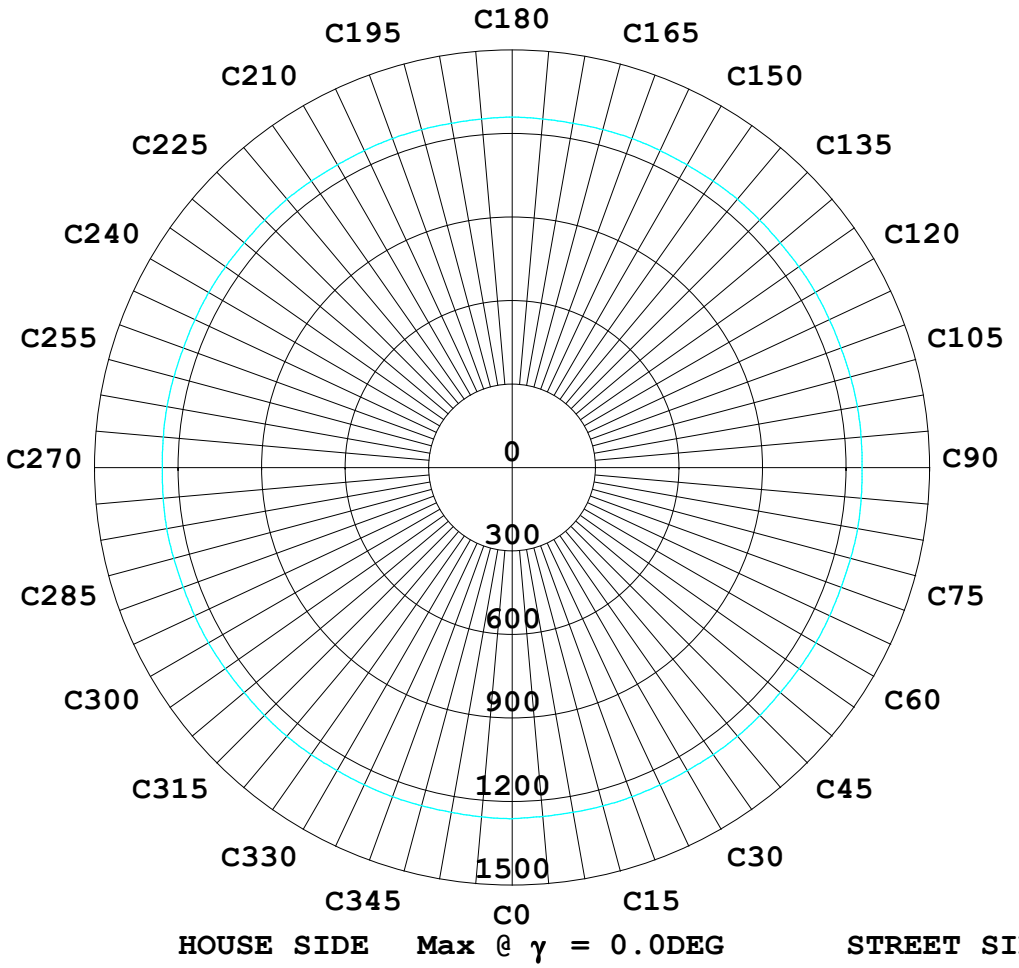
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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

C(DEG) / γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
0.0	1261	1258	1258	1257	1260	1258	1260	1258	1260	1257	1260	1257	1259	1257	1259
5.0	1257	1252	1256	1253	1259	1254	1259	1255	1261	1256	1261	1256	1261	1256	1260
10.0	1242	1236	1242	1239	1246	1240	1247	1242	1249	1243	1250	1245	1251	1244	1249
15.0	1217	1210	1218	1213	1223	1216	1225	1218	1228	1220	1229	1221	1229	1221	1229
20.0	1181	1175	1182	1178	1189	1182	1191	1185	1194	1187	1195	1189	1196	1189	1197
25.0	1134	1127	1136	1133	1145	1137	1148	1140	1151	1143	1154	1145	1154	1145	1155
30.0	1075	1065	1078	1072	1088	1077	1092	1081	1095	1085	1100	1088	1100	1089	1102
35.0	991	982	994	983	1001	995	1010	999	1010	998	1015	1010	1024	1014	1026
40.0	851	844	857	837	860	858	877	868	882	865	890	889	904	893	904
45.0	676	662	681	656	675	666	696	683	706	691	722	715	738	720	732
50.0	523	492	507	465	484	496	531	514	507	476	509	528	564	540	527
55.0	389	330	356	282	281	347	414	369	281	294	282	359	425	369	278
60.0	289	230	259	182	235	250	316	268	245	192	239	255	314	256	237
65.0	219	174	193	118	164	192	238	199	172	126	163	187	236	191	153
70.0	178	146	161	87.8	127	152	187	159	130	91.7	120	148	188	154	110
75.0	140	120	136	79.1	110	115	139	125	109	77.1	102	121	145	118	94.8
80.0	100	86.9	102	70.8	90.1	82.5	99.0	90.9	91.0	65.1	86.7	89.2	100	82.5	81.1
85.0	65.1	47.7	62.5	44.4	59.2	52.9	68.6	55.0	64.2	47.7	61.5	52.1	63.9	48.2	57.3
90.0	16.2	6.00	18.5	7.60	21.9	11.8	28.0	13.5	26.3	12.7	25.9	14.5	29.4	13.9	23.2
95.0	8.60	2.80	8.20	2.70	8.00	2.60	8.50	2.40	7.80	2.20	7.70	2.40	8.40	2.40	7.70
100.0	8.10	3.70	7.80	3.40	7.40	3.20	7.60	2.90	7.00	2.80	7.00	3.00	7.60	3.10	7.10
105.0	8.40	4.90	8.10	4.50	7.50	4.10	7.40	3.70	6.90	3.60	6.90	3.80	7.40	4.00	7.20
110.0	9.20	6.40	8.90	5.80	8.00	5.20	7.80	4.80	7.30	4.70	7.40	4.90	7.80	5.10	7.80
115.0	10.4	8.10	10.1	7.40	9.09	6.70	8.70	6.20	8.20	6.20	8.29	6.40	8.70	6.60	8.90
120.0	11.7	9.80	11.4	9.20	10.4	8.40	9.90	7.90	9.50	7.90	9.50	8.00	9.90	8.29	10.2
125.0	13.2	11.5	12.9	10.9	11.8	10.1	11.4	9.80	11.0	9.70	11.1	9.80	11.4	10.0	11.7
130.0	14.7	13.2	14.3	12.4	13.3	11.8	12.9	11.5	12.6	11.5	12.7	11.5	12.9	11.7	13.0
135.0	15.9	14.5	15.6	13.7	14.5	13.3	14.2	13.0	14.0	13.0	14.1	13.3	14.2	13.2	14.3
140.0	17.0	15.9	16.6	14.9	15.7	14.5	15.2	14.2	15.2	14.4	15.4	14.5	15.4	14.5	15.5
145.0	18.0	17.0	17.7	16.0	16.5	15.7	16.2	15.2	16.1	15.6	16.5	15.8	16.5	15.7	16.5
150.0	18.7	17.9	18.6	17.0	17.4	16.7	17.2	16.3	16.9	16.6	17.6	17.0	17.6	16.9	17.6
155.0	19.4	18.7	19.3	17.9	18.1	17.7	18.0	17.4	17.9	17.7	18.6	18.0	18.5	18.0	18.5
160.0	19.9	19.4	19.9	18.7	18.7	18.6	19.1	18.4	18.7	18.7	19.6	19.2	19.5	19.0	19.4
165.0	20.4	20.0	20.5	19.1	19.5	19.3	19.9	19.4	19.6	19.6	20.4	20.1	20.4	19.9	20.1
170.0	20.6	20.2	20.7	19.5	19.9	19.6	20.5	19.9	20.2	20.2	21.1	20.6	20.9	20.2	20.5
175.0	20.6	20.2	20.7	19.4	20.0	19.7	20.6	20.1	20.5	20.8	21.2	20.6	20.9	20.5	20.6
180.0	20.4	20.2	20.4	19.5	19.9	19.7	20.6	20.2	20.8	21.1	21.1	20.5	20.6	20.5	20.5

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	1256	1258	1256	1259	1256	1258	1256	1259	1257	1259	1257	1260	1257	1260	1258
5.0	1255	1259	1254	1258	1254	1259	1255	1260	1256	1261	1256	1261	1256	1261	1255
10.0	1242	1248	1241	1247	1241	1248	1242	1249	1244	1251	1245	1250	1243	1249	1242
15.0	1220	1227	1218	1225	1218	1227	1220	1229	1221	1229	1221	1229	1220	1228	1218
20.0	1188	1194	1186	1192	1186	1194	1188	1197	1189	1196	1189	1195	1187	1194	1185
25.0	1144	1152	1141	1148	1141	1152	1144	1155	1145	1154	1145	1154	1143	1151	1140
30.0	1088	1098	1083	1092	1083	1098	1088	1102	1089	1100	1088	1100	1085	1095	1081
35.0	1011	1023	1008	1016	1008	1023	1011	1026	1014	1024	1010	1015	998	1010	999
40.0	886	906	892	899	892	906	886	904	893	904	889	890	865	882	868
45.0	713	747	730	736	730	747	713	732	720	738	715	722	691	706	683
50.0	496	532	545	556	545	532	496	527	540	564	528	509	476	507	514
55.0	300	278	363	404	363	278	300	278	369	425	359	282	294	281	369
60.0	186	232	251	297	251	232	186	237	256	314	255	239	192	245	268
65.0	115	153	192	223	192	153	115	153	191	236	187	163	126	172	199
70.0	78.7	121	164	187	164	121	78.7	110	154	188	148	120	91.7	130	159
75.0	65.9	107	128	149	128	107	65.9	94.8	118	145	121	102	77.1	109	125
80.0	57.5	87.5	84.0	98.9	84.0	87.5	57.5	81.1	82.5	100	89.2	86.7	65.1	91.0	90.9
85.0	40.0	56.1	42.3	54.5	42.3	56.1	40.0	57.3	48.2	63.9	52.1	61.5	47.7	64.2	55.0
90.0	9.50	19.9	8.40	17.9	8.40	19.9	9.50	23.2	13.9	29.4	14.5	25.9	12.7	26.3	13.5
95.0	2.50	8.00	2.80	8.29	2.80	8.00	2.50	7.70	2.40	8.40	2.40	7.70	2.20	7.80	2.40
100.0	3.30	7.50	3.60	7.80	3.60	7.50	3.30	7.10	3.10	7.60	3.00	7.00	2.80	7.00	2.90
105.0	4.30	7.70	4.60	8.00	4.60	7.70	4.30	7.20	4.00	7.40	3.80	6.90	3.60	6.90	3.70
110.0	5.60	8.40	6.00	8.60	6.00	8.40	5.60	7.80	5.10	7.80	4.90	7.40	4.70	7.30	4.80
115.0	7.20	9.50	7.50	9.60	7.50	9.50	7.20	8.90	6.60	8.70	6.40	8.29	6.20	8.20	6.20
120.0	8.90	10.7	9.09	10.9	9.09	10.7	8.90	10.2	8.29	9.90	8.00	9.50	7.90	9.50	7.90
125.0	10.5	12.1	10.8	12.3	10.8	12.1	10.5	11.7	10.0	11.4	9.80	11.1	9.70	11.0	9.80
130.0	12.1	13.5	12.4	13.7	12.4	13.5	12.1	13.0	11.7	12.9	11.5	12.7	11.5	12.6	11.5
135.0	13.6	14.8	13.9	14.9	13.9	14.8	13.6	14.3	13.2	14.2	13.3	14.1	13.0	14.0	13.0
140.0	14.8	15.9	15.0	16.1	15.0	15.9	14.8	15.5	14.5	15.4	14.5	15.4	14.4	15.2	14.2
145.0	16.0	16.9	16.2	17.1	16.2	16.9	16.0	16.5	15.7	16.5	15.8	16.5	15.6	16.1	15.2
150.0	17.1	17.9	17.2	18.0	17.2	17.9	17.1	17.6	16.9	17.6	17.0	17.6	16.6	16.9	16.3
155.0	18.0	18.7	18.0	18.7	18.0	18.7	18.0	18.5	18.0	18.5	18.0	18.6	17.7	17.9	17.4
160.0	18.7	19.4	18.7	19.4	18.7	19.4	18.7	19.4	19.0	19.5	19.2	19.6	18.7	18.7	18.4
165.0	19.5	20.0	19.3	20.0	19.3	20.0	19.5	20.1	19.9	20.4	20.1	20.4	19.6	19.6	19.4
170.0	20.0	20.4	19.6	20.5	19.6	20.4	20.0	20.5	20.2	20.9	20.6	21.1	20.2	20.2	19.9
175.0	20.2	20.5	19.9	20.6	19.9	20.5	20.2	20.6	20.5	20.9	20.6	21.2	20.8	20.5	20.1
180.0	20.2	20.5	20.1	20.6	20.1	20.5	20.2	20.5	20.5	20.6	20.5	21.1	21.1	20.8	20.2

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	1260	1258	1260	1257	1258	1258
5.0	1259	1254	1259	1253	1256	1252
10.0	1247	1240	1246	1239	1242	1236
15.0	1225	1216	1223	1213	1218	1210
20.0	1191	1182	1189	1178	1182	1175
25.0	1148	1137	1145	1133	1136	1127
30.0	1092	1077	1088	1072	1078	1065
35.0	1010	995	1001	983	994	982
40.0	877	858	860	837	857	844
45.0	696	666	675	656	681	662
50.0	531	496	484	465	507	492
55.0	414	347	281	282	356	330
60.0	316	250	235	182	259	230
65.0	238	192	164	118	193	174
70.0	187	152	127	87.8	161	146
75.0	139	115	110	79.1	136	120
80.0	99.0	82.5	90.1	70.8	102	86.9
85.0	68.6	52.9	59.2	44.4	62.5	47.7
90.0	28.0	11.8	21.9	7.60	18.5	6.00
95.0	8.50	2.60	8.00	2.70	8.20	2.80
100.0	7.60	3.20	7.40	3.40	7.80	3.70
105.0	7.40	4.10	7.50	4.50	8.10	4.90
110.0	7.80	5.20	8.00	5.80	8.90	6.40
115.0	8.70	6.70	9.09	7.40	10.1	8.10
120.0	9.90	8.40	10.4	9.20	11.4	9.80
125.0	11.4	10.1	11.8	10.9	12.9	11.5
130.0	12.9	11.8	13.3	12.4	14.3	13.2
135.0	14.2	13.3	14.5	13.7	15.6	14.5
140.0	15.2	14.5	15.7	14.9	16.6	15.9
145.0	16.2	15.7	16.5	16.0	17.7	17.0
150.0	17.2	16.7	17.4	17.0	18.6	17.9
155.0	18.0	17.7	18.1	17.9	19.3	18.7
160.0	19.1	18.6	18.7	18.7	19.9	19.4
165.0	19.9	19.3	19.5	19.1	20.5	20.0
170.0	20.5	19.6	19.9	19.5	20.7	20.2
175.0	20.6	19.7	20.0	19.4	20.7	20.2
180.0	20.6	19.7	19.9	19.5	20.4	20.2

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: