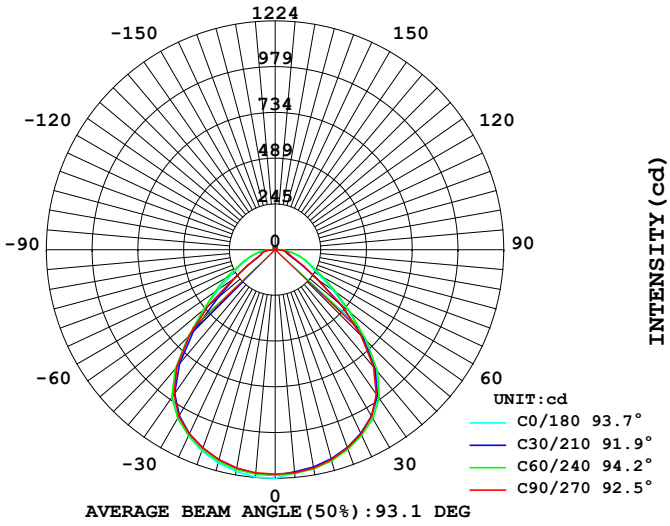
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

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

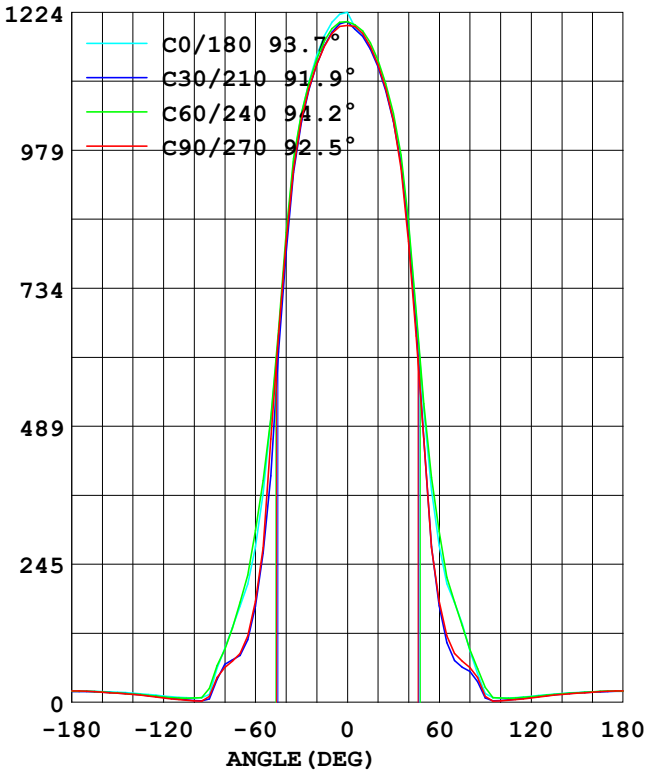
DATA OF LAMP		Imax(cd)	1224	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	30	TOTAL FLUX(lm)	2747.3	Voltage(V)	220.3
RATED VOLTAGE(V)	220	EFFICIENCY(lm/W)	91.2	Current(A)	0.152
NOMINAL FLUX(lm)	2747.3	η up(%)	2.5	Power(W)	30.11
LAMPS QUANTITY	1	η down(%)	97.5	Power Factor(PF)	0.899
TEST VOLTAGE(V)	220.4	Effictive Flux(lm)	2345.4	EEI	0.175

LUMINOUS INTENSITY DISTRIBUTION



AVERAGE BEAM ANGLE(50%):93.1 DEG

LUMINOUS INTENSITY DISTRIBUTION



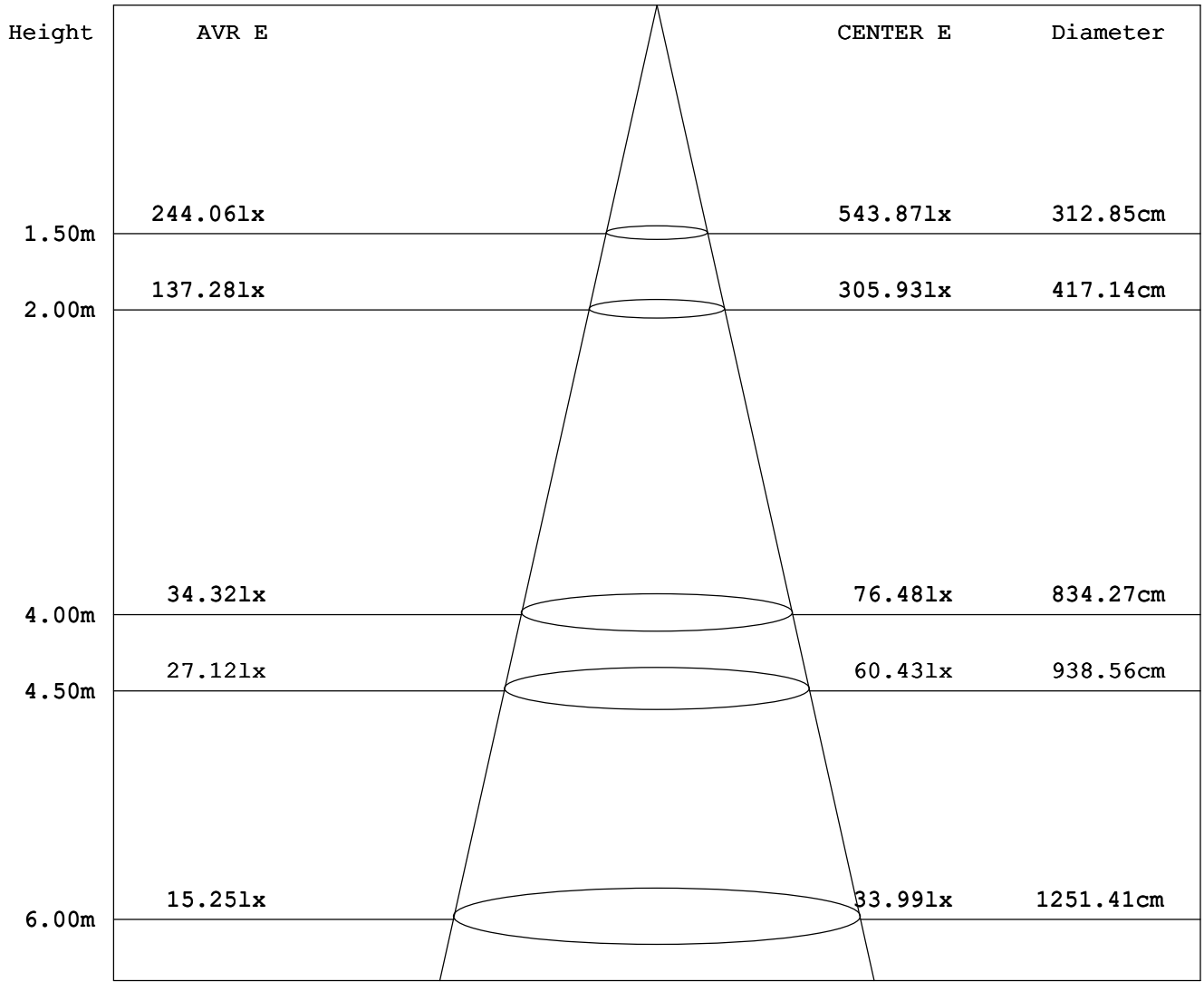
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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:92.4deg

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	1206	1191	1186	1186	1184	1186	1186	1191	0- 10	114.2	114.2
20.0	1146	1135	1131	1133	1131	1133	1131	1135	10- 20	329.3	443.5
30.0	1041	1036	1031	1039	1034	1039	1031	1036	20- 30	502.5	946.1
40.0	819.9	817.2	817.5	846.4	845.8	846.4	817.5	817.2	30- 40	591.5	1538
50.0	501.3	463.0	467.1	496.1	517.8	496.1	467.1	463.0	40- 50	506.7	2044
60.0	275.6	228.8	178.9	229.0	278.0	229.0	178.9	228.8	50- 60	300.9	2345
70.0	170.7	132.6	86.50	123.7	176.8	123.7	86.50	132.6	60- 70	170.1	2516
80.0	94.80	81.44	61.40	76.75	91.90	76.75	61.40	81.44	70- 80	111.0	2627
90.0	14.00	14.25	10.30	16.00	15.60	16.00	10.30	14.25	80- 90	53.35	2680
100.0	7.900	5.200	2.700	5.050	7.800	5.050	2.700	5.200	90-100	8.278	2688
110.0	8.900	6.400	4.600	6.450	8.500	6.450	4.600	6.400	100-110	6.132	2694
120.0	11.30	9.050	7.700	9.150	10.70	9.150	7.700	9.050	110-120	7.774	2702
130.0	14.10	12.05	11.10	12.05	13.40	12.05	11.10	12.05	120-130	9.610	2712
140.0	16.40	14.50	13.90	14.60	15.60	14.60	13.90	14.50	130-140	10.44	2722
150.0	18.09	16.45	16.10	16.65	17.40	16.65	16.10	16.45	140-150	9.856	2732
160.0	19.20	17.95	18.00	18.50	18.70	18.50	18.00	17.95	150-160	8.099	2740
170.0	19.90	19.00	19.50	19.59	19.50	19.59	19.50	19.00	160-170	5.364	2745
180.0	19.79	19.04	20.20	19.54	19.50	19.54	20.20	19.04	170-180	1.864	2747
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

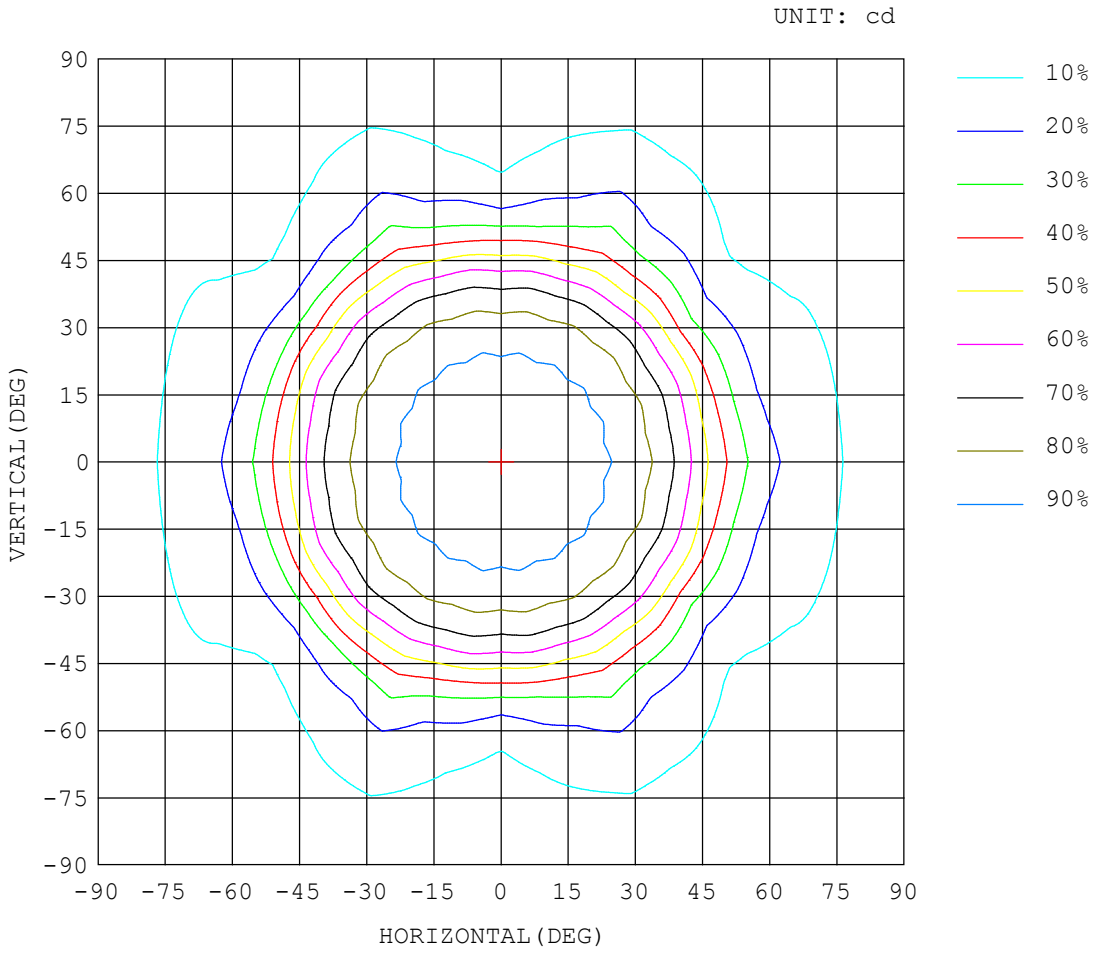
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



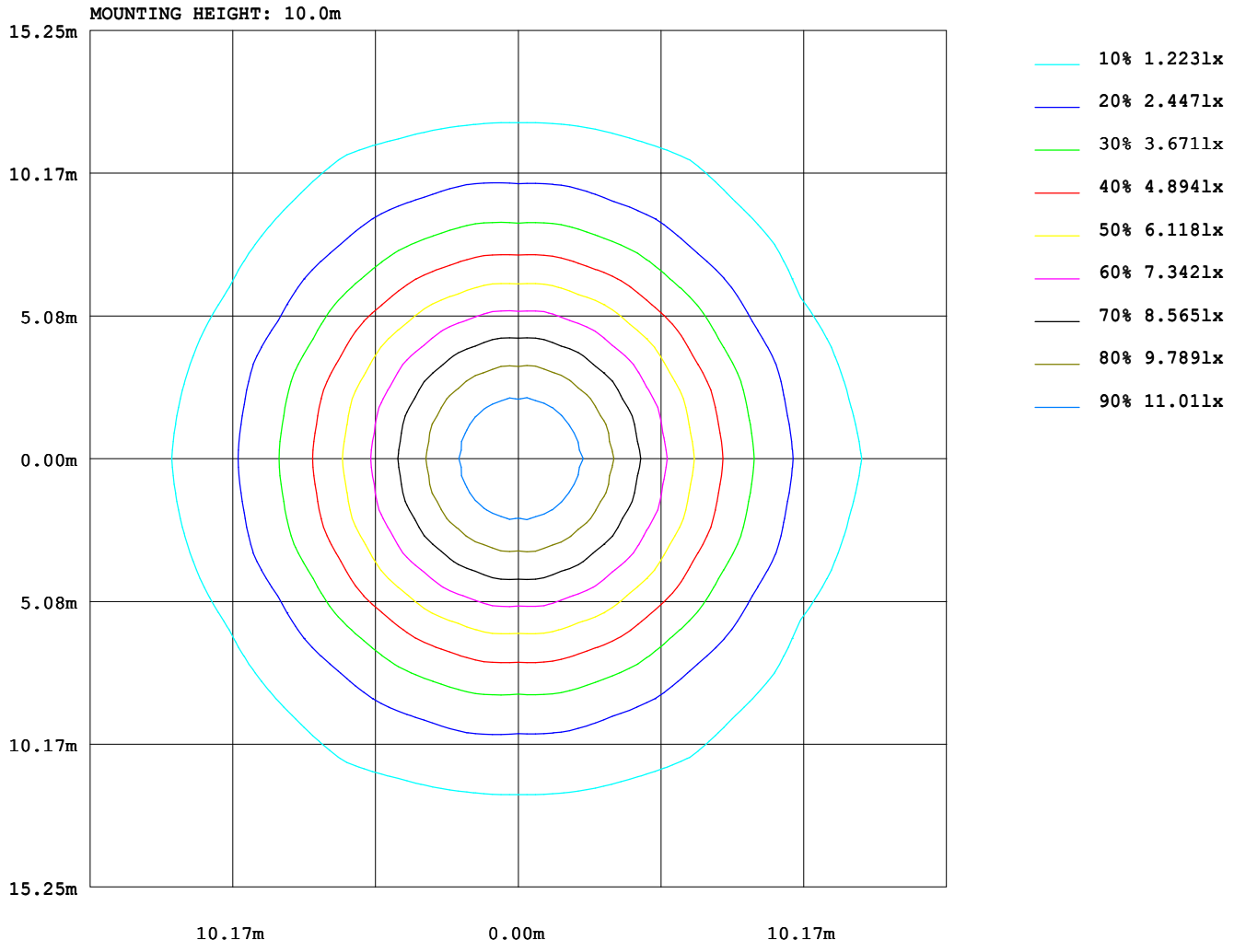
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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	0.17	0.33	0.56	0.84	1.14	1.39	1.47	1.43	1.47	1.53	1.44	1.20	0.87	0.57	0.34	0.17	0.03	15.0	13.9
80	0.06	0.30	0.66	1.01	1.69	2.50	3.17	3.03	2.60	2.70	3.19	3.18	2.48	1.81	1.15	0.72	0.32	0.06	30.6	28.5
70	0.08	0.43	0.94	1.21	2.24	3.83	5.15	4.86	4.34	4.48	5.16	5.27	3.86	2.48	1.44	1.02	0.46	0.08	47.3	44.3
60	0.10	0.55	1.17	1.44	2.92	5.47	8.60	9.23	9.41	9.31	9.38	8.62	5.49	3.16	1.60	1.21	0.58	0.11	78.4	74.6
50	0.11	0.67	1.43	2.05	4.27	8.57	14.2	17.7	19.7	19.5	17.2	13.5	8.43	4.37	2.07	1.39	0.68	0.13	136	132
40	0.13	0.79	1.75	3.16	6.70	14.1	21.2	26.2	28.4	28.3	25.8	20.3	13.2	6.33	3.06	1.64	0.78	0.15	202	197
30	0.15	0.91	2.11	4.35	10.3	19.0	26.4	30.7	32.8	32.8	30.6	26.0	18.1	9.53	4.21	1.95	0.88	0.16	251	245
	0.16	1.01	2.44	5.58	13.2	22.3	28.7	32.9	35.0	35.1	33.0	28.6	21.7	12.3	5.24	2.30	0.97	0.18	281	274
	0.17	1.08	2.73	6.54	14.5	23.4	29.7	33.8	36.0	36.2	34.1	29.8	23.1	13.7	6.30	2.66	1.04	0.18	296	288
	0.17	1.08	2.73	6.54	14.5	23.4	29.7	33.8	36.0	36.2	34.1	29.8	23.1	13.7	6.30	2.66	1.04	0.18	296	288
	0.16	1.01	2.44	5.58	13.2	22.3	28.7	32.9	35.0	35.1	33.0	28.6	21.7	12.3	5.24	2.30	0.97	0.18	281	274
-30	0.15	0.91	2.11	4.35	10.3	19.0	26.4	30.7	32.8	32.8	30.6	26.0	18.1	9.53	4.21	1.95	0.88	0.16	251	245
-40	0.13	0.79	1.75	3.16	6.70	14.1	21.2	26.2	28.4	28.3	25.8	20.3	13.2	6.33	3.06	1.64	0.78	0.15	202	197
-50	0.11	0.67	1.43	2.05	4.27	8.57	14.2	17.7	19.7	19.5	17.2	13.5	8.43	4.37	2.07	1.39	0.68	0.13	136	132
-60	0.10	0.55	1.17	1.44	2.92	5.47	8.60	9.23	9.41	9.31	9.38	8.62	5.49	3.16	1.60	1.21	0.58	0.11	78.4	74.6
-70	0.08	0.43	0.94	1.21	2.24	3.83	5.15	4.86	4.34	4.48	5.16	5.27	3.86	2.48	1.44	1.02	0.46	0.08	47.3	44.3
-80	0.06	0.30	0.66	1.01	1.69	2.50	3.17	3.03	2.60	2.70	3.19	3.18	2.48	1.81	1.15	0.72	0.32	0.06	30.6	28.5
-90	0.04	0.17	0.33	0.56	0.84	1.14	1.39	1.47	1.43	1.47	1.53	1.44	1.20	0.87	0.57	0.34	0.17	0.03	15.0	13.9
Φ t	1.97	11.8	27.1	51.8	114	201	277	320	340	340	320	274	195	109	51.3	26.5	11.8	2.17	2747	
Φ a	0.00	0.00	0.00	51.8	114	201	277	320	340	340	320	274	195	109	51.3	0.00	0.00	0.00		2345

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

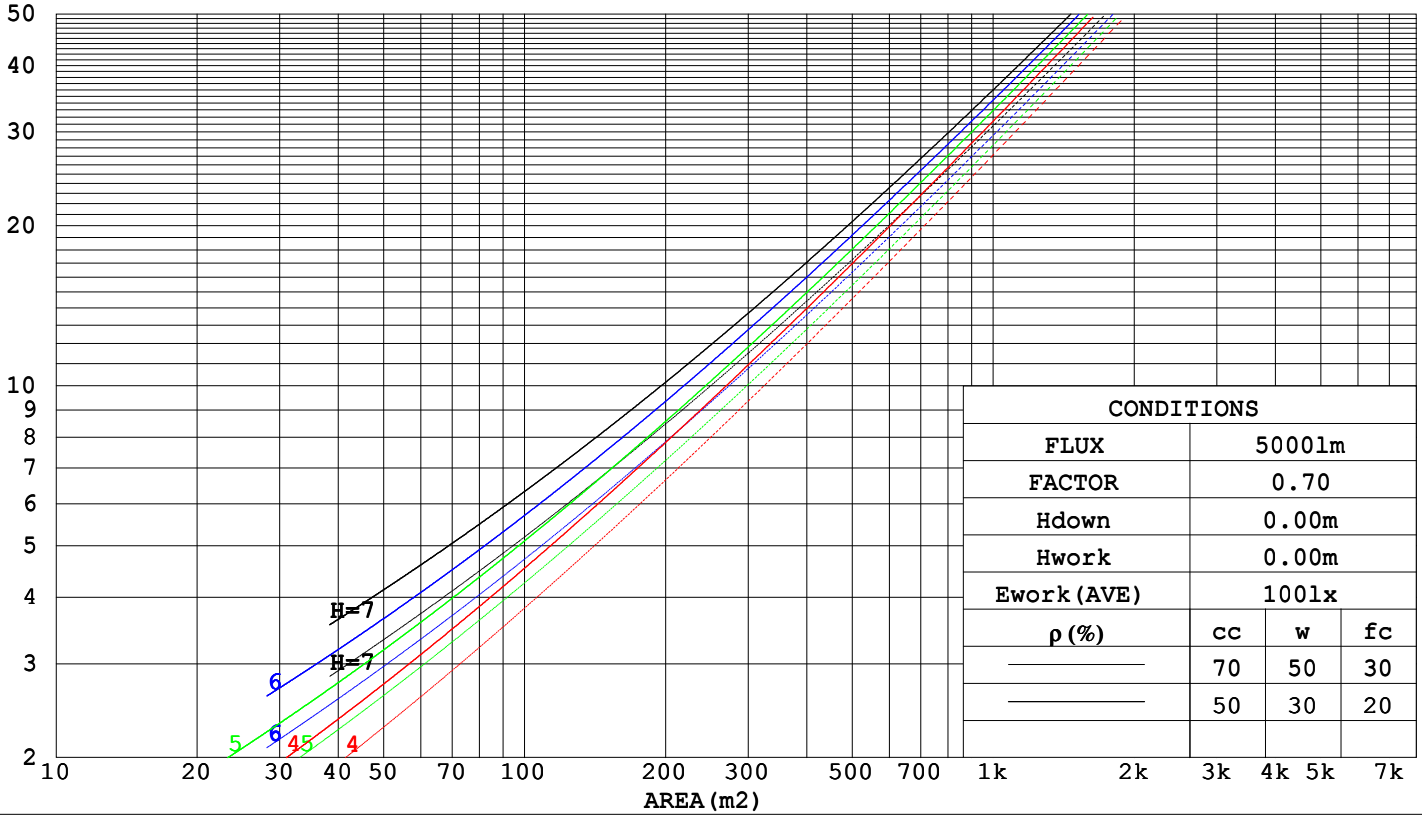
Report number:

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	.88	.83	.92	.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	.69	.63	.59	.66	.62	.58	.56
5.0	.68	.60	.54	.67	.59	.53	.64	.58	.53	.62	.57	.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	.56	.48	.42	.54	.47	.42	.52	.46	.42	.51	.45	.41	.39
8.0	.52	.44	.38	.51	.44	.38	.50	.43	.38	.48	.42	.38	.47	.41	.37	.35
9.0	.48	.40	.35	.47	.40	.35	.46	.39	.34	.45	.39	.34	.43	.38	.34	.32
10.0	.44	.37	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.40	.35	.31	.29

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	.273	.155	.049	.265	.151	.048	.250	.144	.046	.237	.137	.044	.225	.130	.042	
2.0	.256	.140	.043	.249	.137	.042	.236	.131	.041	.225	.126	.039	.214	.121	.038	
3.0	.238	.127	.038	.233	.125	.037	.221	.120	.036	.211	.116	.035	.201	.112	.035	
4.0	.222	.116	.034	.217	.114	.034	.207	.110	.033	.198	.106	.032	.189	.103	.031	
5.0	.208	.106	.031	.203	.104	.030	.194	.101	.030	.186	.098	.029	.178	.095	.029	
6.0	.194	.097	.028	.190	.096	.028	.182	.093	.027	.175	.091	.027	.168	.088	.026	
7.0	.183	.090	.026	.179	.089	.025	.172	.087	.025	.165	.085	.025	.159	.082	.024	
8.0	.172	.084	.024	.168	.083	.023	.162	.081	.023	.156	.079	.023	.150	.077	.022	
9.0	.162	.078	.022	.159	.078	.022	.153	.076	.021	.148	.074	.021	.143	.072	.021	
10.0	.153	.074	.020	.151	.073	.020	.145	.071	.020	.140	.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	.197	.175	.156	.168	.150	.134	.115	.104	.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	.098	.152	.115	.085	.104	.080	.060	.060	.047	.035	.019	.015	.011	
4.0	.169	.120	.081	.145	.103	.071	.100	.072	.050	.058	.042	.029	.019	.014	.010	
5.0	.162	.109	.070	.139	.094	.061	.096	.066	.043	.055	.039	.025	.018	.013	.008	
6.0	.155	.100	.061	.133	.087	.053	.092	.061	.038	.053	.036	.022	.017	.012	.007	
7.0	.149	.093	.055	.128	.081	.048	.088	.057	.034	.051	.033	.020	.017	.011	.007	
8.0	.143	.088	.050	.123	.076	.043	.085	.053	.031	.049	.031	.018	.016	.010	.006	
9.0	.137	.083	.046	.118	.072	.040	.082	.050	.028	.048	.030	.017	.015	.010	.006	
10.0	.132	.078	.043	.114	.068	.038	.079	.048	.027	.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	17.3	17.5	16.2	17.5	16.5	17.8	18.0
	3H	16.5	17.8	16.9	18.0	18.3	16.8	18.0	17.1	18.3	18.5
	4H	17.2	18.3	17.5	18.6	18.9	17.1	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	18.1	19.2	18.5	19.5	19.9	17.9	18.9	18.2	19.3	19.6
	12H	18.4	19.4	18.8	19.8	20.1	18.1	19.1	18.5	19.4	19.8
4H	2H	15.9	17.1	16.2	17.3	17.6	16.4	17.5	16.7	17.8	18.1
	3H	16.9	17.9	17.2	18.2	18.5	17.4	18.4	17.8	18.7	19.1
	4H	17.6	18.6	18.1	18.9	19.3	18.0	18.9	18.4	19.3	19.6
	6H	18.5	19.4	19.0	19.7	20.2	18.7	19.5	19.1	19.9	20.3
	8H	19.0	19.7	19.4	20.1	20.6	19.1	19.9	19.5	20.3	20.7
	12H	19.3	20.0	19.8	20.4	20.9	19.4	20.1	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	19.8	19.7	20.3	20.8
	8H	19.6	20.1	20.1	20.6	21.1	19.8	20.3	20.3	20.8	21.3
	12H	20.0	20.5	20.5	21.0	21.5	20.3	20.7	20.8	21.2	21.7
12H	4H	18.0	18.7	18.5	19.1	19.6	18.2	18.9	18.7	19.4	19.8
	6H	19.1	19.7	19.6	20.2	20.7	19.3	19.9	19.8	20.3	20.8
	8H	19.8	20.2	20.3	20.7	21.3	20.0	20.5	20.5	20.9	21.5

Variations with the observer position at spacings:		
S = 1.0H	+ 0.4 / - 0.4	+ 0.4 / - 0.6
1.5H	+ 0.4 / - 0.6	+ 0.3 / - 0.6
2.0H	+ 1.1 / - 0.9	+ 0.7 / - 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	48	63	53	47	62	53	47	41
0.80	74	64	57	73	63	57	71	62	57	50
1.00	82	72	66	81	72	66	78	72	65	58
1.25	88	79	73	87	78	73	84	77	72	65
1.50	93	84	78	91	83	78	88	81	76	69
2.00	98	91	86	96	90	85	93	87	83	75
2.50	101	95	90	99	93	89	95	90	86	78
3.00	104	98	94	102	97	92	98	93	90	81
4.00	108	103	98	105	101	97	101	97	94	85
5.00	110	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	

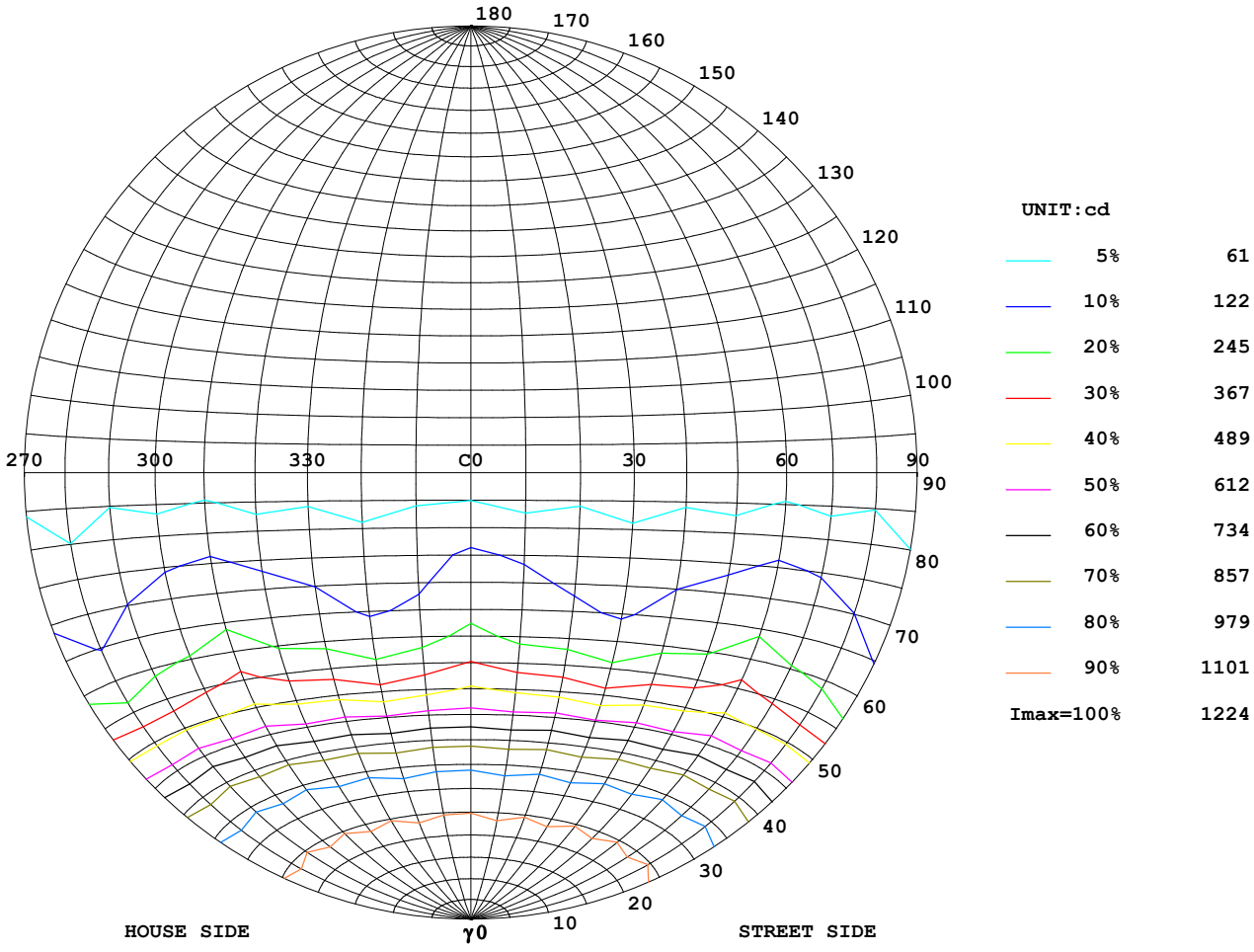
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



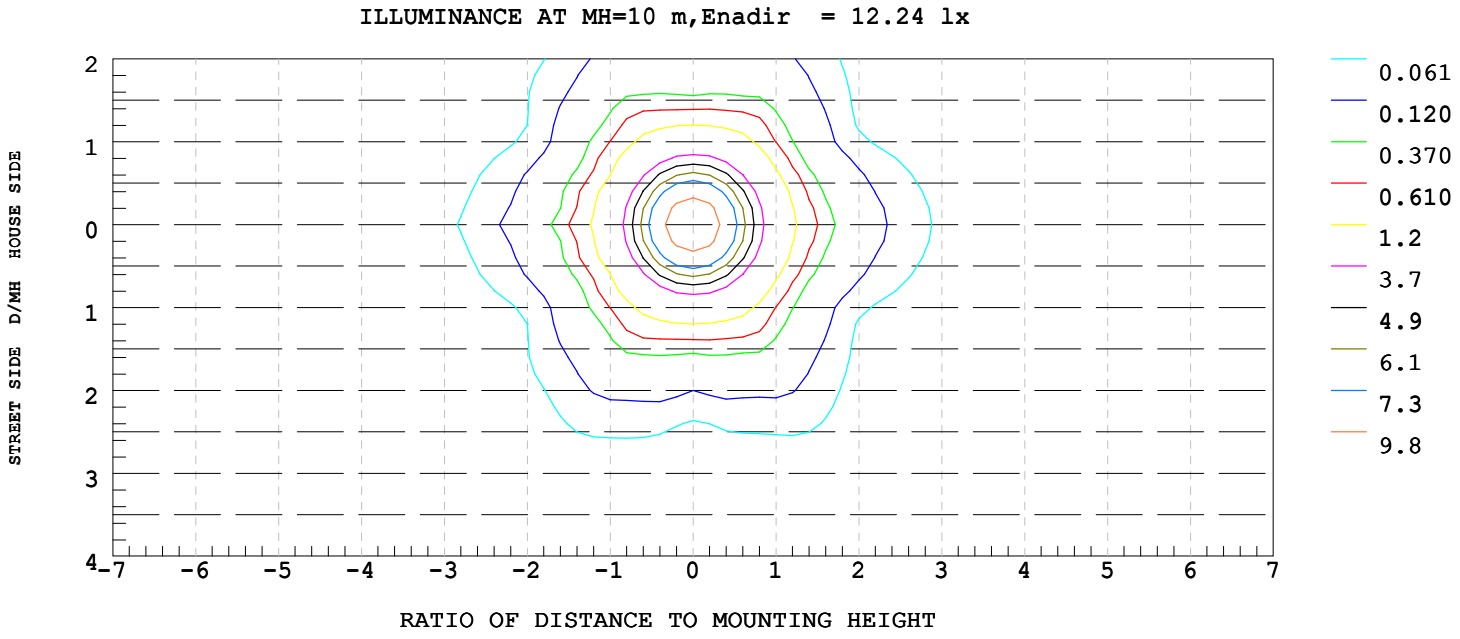
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

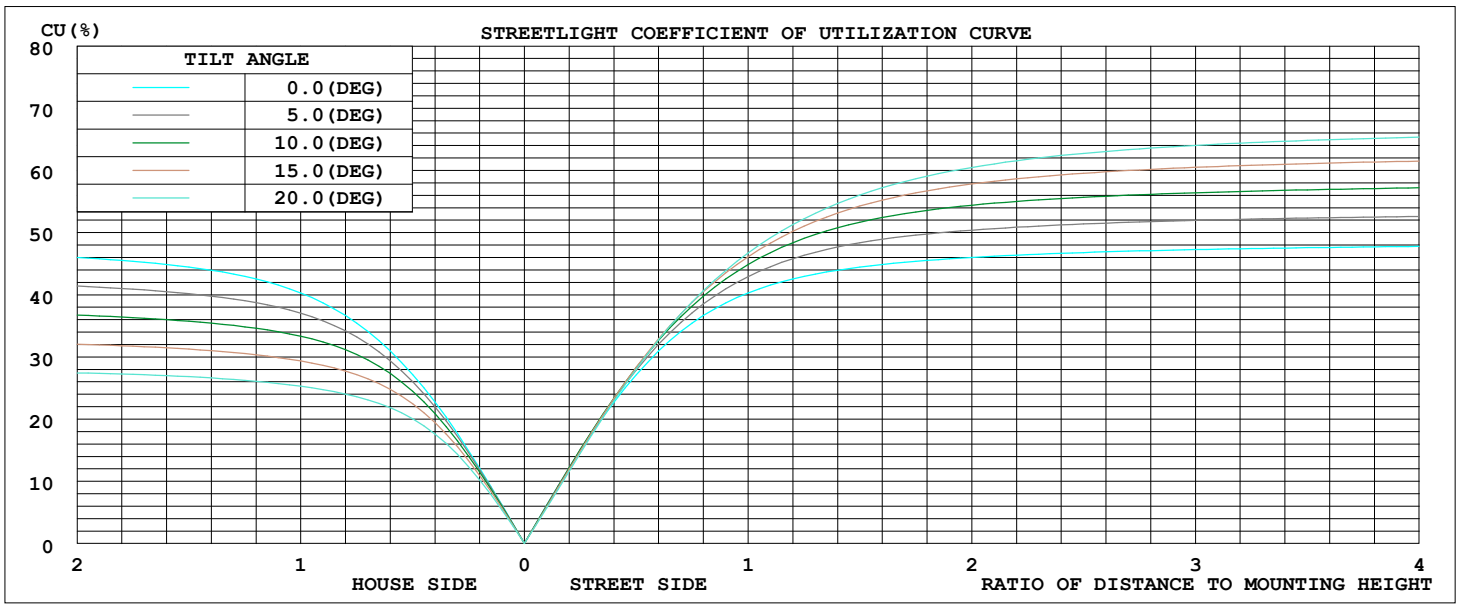
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

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





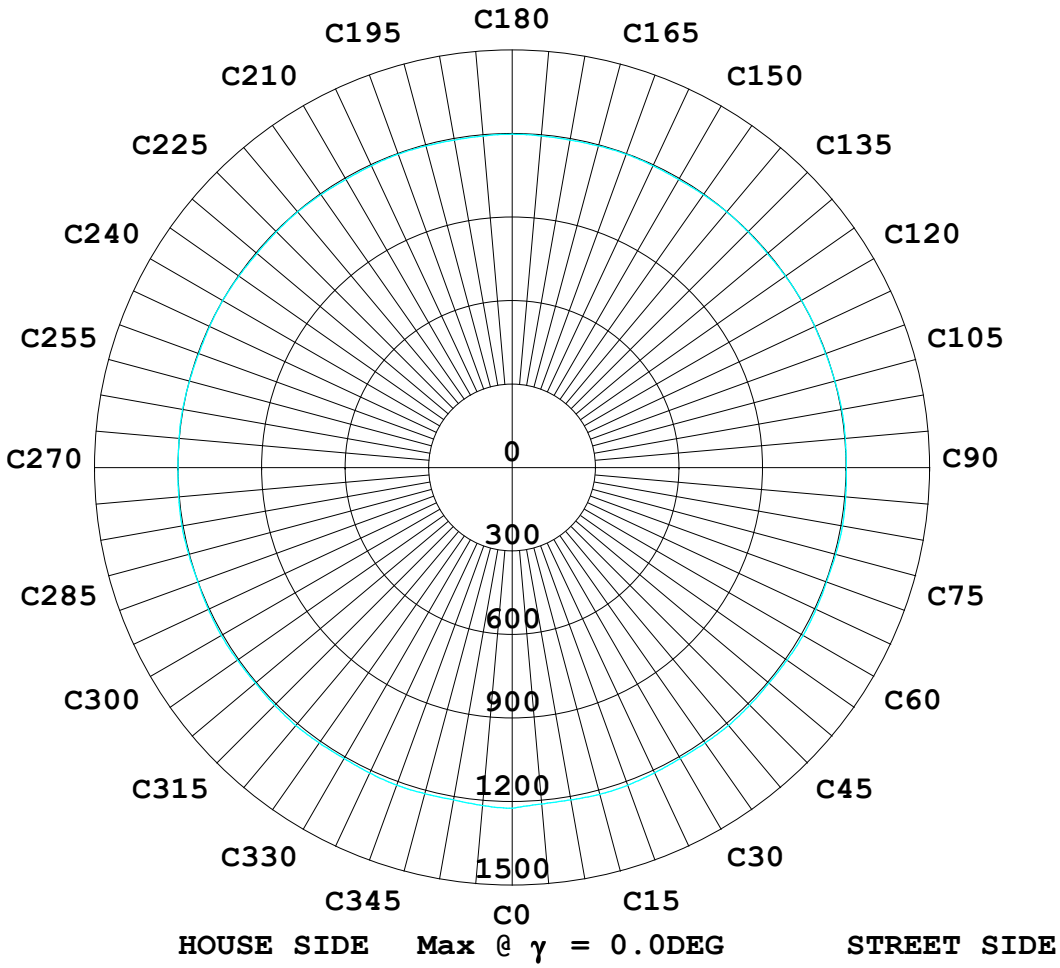
Test System:HOPOO HPG1900
Temperature:25.3DEG
Operators:
Test Date:2025年03月26日

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.:



HOUSE SIDE Max @ γ = 0.0DEG STREET SIDE

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	1224	1212	1214	1207	1210	1204	1207	1202	1205	1200	1203	1199	1201	1197	1200
5.0	1220	1207	1212	1203	1208	1201	1206	1200	1205	1198	1203	1197	1201	1195	1200
10.0	1206	1191	1198	1188	1195	1187	1195	1187	1194	1186	1193	1185	1191	1183	1188
15.0	1182	1166	1175	1164	1174	1164	1173	1164	1172	1163	1171	1162	1170	1161	1169
20.0	1146	1132	1141	1131	1140	1131	1140	1131	1140	1131	1139	1130	1138	1130	1137
25.0	1099	1085	1097	1086	1098	1087	1097	1088	1098	1088	1099	1088	1097	1087	1096
30.0	1041	1025	1040	1026	1042	1029	1043	1030	1045	1031	1046	1033	1044	1033	1045
35.0	959	943	955	939	958	949	964	950	961	946	964	956	970	959	971
40.0	820	807	818	798	820	815	833	823	837	818	842	839	853	841	852
45.0	649	631	647	621	641	630	659	644	665	650	678	670	693	674	685
50.0	501	468	445	402	458	468	504	484	477	467	476	493	529	502	490
55.0	371	313	302	265	306	327	393	347	291	274	307	335	399	342	279
60.0	276	218	205	171	222	236	305	252	230	179	223	238	303	238	220
65.0	210	166	138	111	155	181	226	188	162	118	153	175	222	179	142
70.0	171	140	110	83.3	121	144	178	150	123	86.5	114	140	178	144	104
75.0	133	114	102	75.4	105	109	131	118	104	73.0	97.5	114	136	110	89.9
80.0	94.8	81.3	87.3	67.0	85.5	77.4	93.4	84.7	86.1	61.4	82.3	82.9	93.5	76.5	77.0
85.0	60.6	43.3	54.5	40.5	55.4	49.2	64.9	50.7	60.2	44.2	57.5	47.7	60.1	44.4	53.2
90.0	14.0	4.40	15.8	5.70	19.3	9.20	24.9	11.0	23.5	10.3	23.1	11.9	26.1	11.2	20.8
95.0	8.40	2.70	7.80	2.60	7.90	2.50	8.40	2.30	7.70	2.20	7.70	2.30	8.29	2.40	7.60
100.0	7.90	3.60	7.40	3.30	7.30	3.10	7.50	2.90	7.00	2.70	6.90	2.90	7.50	3.00	7.10
105.0	8.10	4.70	7.60	4.30	7.30	3.90	7.30	3.60	6.80	3.50	6.90	3.70	7.30	3.90	7.20
110.0	8.90	6.10	8.40	5.70	7.80	5.00	7.70	4.70	7.20	4.60	7.30	4.80	7.70	5.10	7.80
115.0	10.0	7.70	9.50	7.20	8.80	6.50	8.50	6.10	8.10	6.00	8.10	6.20	8.60	6.50	8.80
120.0	11.3	9.40	10.8	8.80	10.0	8.10	9.60	7.70	9.30	7.70	9.30	7.80	9.80	8.20	10.1
125.0	12.7	11.0	12.2	10.5	11.4	9.70	11.0	9.40	10.8	9.40	10.8	9.50	11.2	9.80	11.5
130.0	14.1	12.7	13.5	11.9	12.8	11.3	12.4	11.1	12.2	11.1	12.3	11.3	12.6	11.4	12.7
135.0	15.2	14.1	14.5	13.3	14.0	12.8	13.7	12.5	13.5	12.7	13.7	12.8	13.7	12.8	13.9
140.0	16.4	15.2	15.6	14.4	15.0	13.9	14.7	13.7	14.5	13.9	15.0	14.1	15.0	14.1	15.0
145.0	17.2	16.4	16.5	15.4	16.0	15.0	15.6	14.7	15.5	15.0	16.0	15.2	16.0	15.2	16.1
150.0	18.0	17.2	17.5	16.4	16.7	16.1	16.5	15.7	16.3	16.1	17.0	16.4	16.9	16.3	17.0
155.0	18.7	18.0	18.1	17.2	17.4	17.0	17.5	16.6	17.2	17.0	18.0	17.4	17.9	17.2	17.9
160.0	19.2	18.7	18.9	18.0	18.0	17.8	18.4	17.8	18.0	18.0	18.9	18.4	18.7	18.2	18.7
165.0	19.6	19.3	19.4	18.5	18.7	18.5	19.2	18.6	18.7	19.0	19.6	19.3	19.6	19.0	19.2
170.0	19.9	19.6	19.6	18.7	19.1	18.9	19.6	19.2	19.4	19.5	20.2	19.6	20.0	19.5	19.6
175.0	20.0	19.6	19.6	18.7	19.3	19.0	19.7	19.4	19.6	20.0	20.4	19.6	20.0	19.6	19.7
180.0	19.7	19.5	19.4	18.7	19.1	19.0	19.7	19.5	20.0	20.2	20.2	19.6	19.6	19.5	19.6

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	1196	1198	1195	1198	1195	1198	1196	1200	1197	1201	1199	1203	1200	1205	1202
5.0	1193	1198	1192	1197	1192	1198	1193	1200	1195	1201	1197	1203	1198	1205	1200
10.0	1181	1186	1179	1184	1179	1186	1181	1188	1183	1191	1185	1193	1186	1194	1187
15.0	1158	1166	1156	1163	1156	1166	1158	1169	1161	1170	1162	1171	1163	1172	1164
20.0	1127	1134	1124	1131	1124	1134	1127	1137	1130	1138	1130	1139	1131	1140	1131
25.0	1085	1092	1081	1088	1081	1092	1085	1096	1087	1097	1088	1099	1088	1098	1088
30.0	1030	1040	1025	1034	1025	1040	1030	1045	1033	1044	1033	1046	1031	1045	1030
35.0	954	967	951	960	951	967	954	971	959	970	956	964	946	961	950
40.0	833	853	838	846	838	853	833	852	841	853	839	842	818	837	823
45.0	664	698	681	688	681	698	664	685	674	693	670	678	650	665	644
50.0	467	493	505	518	505	493	467	490	502	529	493	476	467	477	484
55.0	276	295	336	377	336	295	276	279	342	399	335	307	274	291	347
60.0	171	215	233	278	233	215	171	220	238	303	238	223	179	230	252
65.0	106	144	180	210	180	144	106	142	179	222	175	153	118	162	188
70.0	73.9	115	155	177	155	115	73.9	104	144	178	140	114	86.5	123	150
75.0	62.1	102	119	139	119	102	62.1	89.9	110	136	114	97.5	73.0	104	118
80.0	54.5	82.5	77.4	91.9	77.4	82.5	54.5	77.0	76.5	93.5	82.9	82.3	61.4	86.1	84.7
85.0	36.5	52.0	38.4	50.7	38.4	52.0	36.5	53.2	44.4	60.1	47.7	57.5	44.2	60.2	50.7
90.0	7.60	17.6	6.50	15.6	6.50	17.6	7.60	20.8	11.2	26.1	11.9	23.1	10.3	23.5	11.0
95.0	2.50	7.90	2.70	8.20	2.70	7.90	2.50	7.60	2.40	8.29	2.30	7.70	2.20	7.70	2.30
100.0	3.30	7.40	3.50	7.80	3.50	7.40	3.30	7.10	3.00	7.50	2.90	6.90	2.70	7.00	2.90
105.0	4.30	7.60	4.60	7.90	4.60	7.60	4.30	7.20	3.90	7.30	3.70	6.90	3.50	6.80	3.60
110.0	5.60	8.29	5.90	8.50	5.90	8.29	5.60	7.80	5.10	7.70	4.80	7.30	4.60	7.20	4.70
115.0	7.10	9.40	7.40	9.50	7.40	9.40	7.10	8.80	6.50	8.60	6.20	8.10	6.00	8.10	6.10
120.0	8.80	10.5	9.00	10.7	9.00	10.5	8.80	10.1	8.20	9.80	7.80	9.30	7.70	9.30	7.70
125.0	10.3	11.9	10.5	12.1	10.5	11.9	10.3	11.5	9.80	11.2	9.50	10.8	9.40	10.8	9.40
130.0	11.8	13.2	12.1	13.4	12.1	13.2	11.8	12.7	11.4	12.6	11.3	12.3	11.1	12.2	11.1
135.0	13.2	14.4	13.4	14.5	13.4	14.4	13.2	13.9	12.8	13.7	12.8	13.7	12.7	13.5	12.5
140.0	14.4	15.4	14.5	15.6	14.5	15.4	14.4	15.0	14.1	15.0	14.1	15.0	13.9	14.5	13.7
145.0	15.5	16.4	15.6	16.5	15.6	16.4	15.5	16.1	15.2	16.0	15.2	16.0	15.0	15.5	14.7
150.0	16.5	17.2	16.5	17.4	16.5	17.2	16.5	17.0	16.3	16.9	16.4	17.0	16.1	16.3	15.7
155.0	17.2	18.0	17.4	18.0	17.4	18.0	17.2	17.9	17.2	17.9	17.4	18.0	17.0	17.2	16.6
160.0	18.0	18.6	18.0	18.7	18.0	18.6	18.0	18.7	18.2	18.7	18.4	18.9	18.0	18.0	17.8
165.0	18.7	19.1	18.5	19.2	18.5	19.1	18.7	19.2	19.0	19.6	19.3	19.6	19.0	18.7	18.6
170.0	19.2	19.5	18.7	19.5	18.7	19.5	19.2	19.6	19.5	20.0	19.6	20.2	19.5	19.4	19.2
175.0	19.3	19.6	19.0	19.6	19.0	19.6	19.3	19.7	19.6	20.0	19.6	20.4	20.0	19.6	19.4
180.0	19.3	19.6	19.2	19.5	19.2	19.6	19.3	19.6	19.5	19.6	19.6	20.2	20.2	20.0	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

γ (DEG) \ C(DEG)	300	310	320	330	340	350
0.0	1207	1204	1210	1207	1214	1212
5.0	1206	1201	1208	1203	1212	1207
10.0	1195	1187	1195	1188	1198	1191
15.0	1173	1164	1174	1164	1175	1166
20.0	1140	1131	1140	1131	1141	1132
25.0	1097	1087	1098	1086	1097	1085
30.0	1043	1029	1042	1026	1040	1025
35.0	964	949	958	939	955	943
40.0	833	815	820	798	818	807
45.0	659	630	641	621	647	631
50.0	504	468	458	402	445	468
55.0	393	327	306	265	302	313
60.0	305	236	222	171	205	218
65.0	226	181	155	111	138	166
70.0	178	144	121	83.3	110	140
75.0	131	109	105	75.4	102	114
80.0	93.4	77.4	85.5	67.0	87.3	81.3
85.0	64.9	49.2	55.4	40.5	54.5	43.3
90.0	24.9	9.20	19.3	5.70	15.8	4.40
95.0	8.40	2.50	7.90	2.60	7.80	2.70
100.0	7.50	3.10	7.30	3.30	7.40	3.60
105.0	7.30	3.90	7.30	4.30	7.60	4.70
110.0	7.70	5.00	7.80	5.70	8.40	6.10
115.0	8.50	6.50	8.80	7.20	9.50	7.70
120.0	9.60	8.10	10.0	8.80	10.8	9.40
125.0	11.0	9.70	11.4	10.5	12.2	11.0
130.0	12.4	11.3	12.8	11.9	13.5	12.7
135.0	13.7	12.8	14.0	13.3	14.5	14.1
140.0	14.7	13.9	15.0	14.4	15.6	15.2
145.0	15.6	15.0	16.0	15.4	16.5	16.4
150.0	16.5	16.1	16.7	16.4	17.5	17.2
155.0	17.5	17.0	17.4	17.2	18.1	18.0
160.0	18.4	17.8	18.0	18.0	18.9	18.7
165.0	19.2	18.5	18.7	18.5	19.4	19.3
170.0	19.6	18.9	19.1	18.7	19.6	19.6
175.0	19.7	19.0	19.3	18.7	19.6	19.6
180.0	19.7	19.0	19.1	18.7	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: