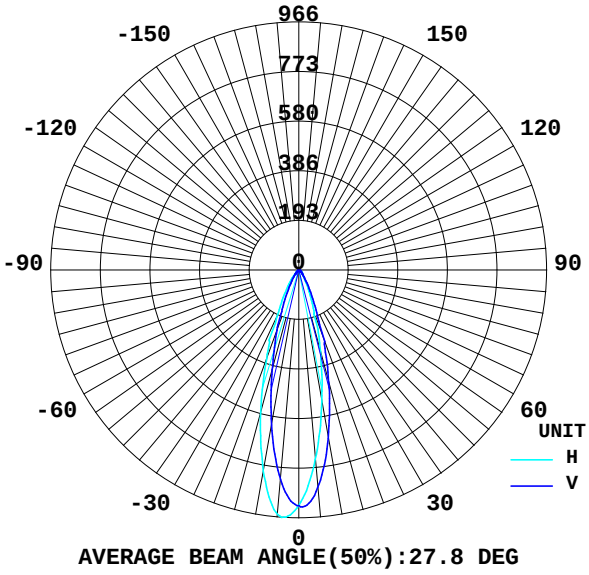
LUMINAIRE PHOTOMETRIC TEST REPORT

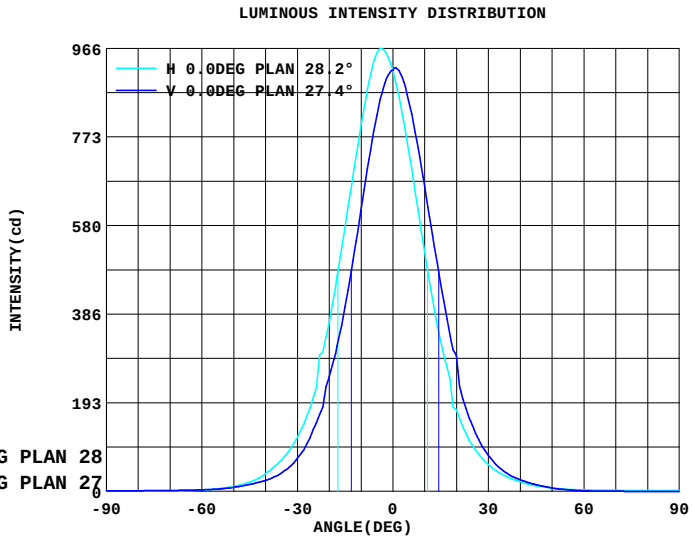
Report number:

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

MODEL:					
NOMINAL POWER(W):	6	Imax(cd):	966.1	Voltage(V)	24.01
RATED VOLTAGE(V):	24	AVAILABILITY(%):	80.7	Current(A)	0.266
NOMINAL FLUX(lm):	318	Avai. FLUX(lm):	256.9	Power(W)	6.390
TEST FLUX(lm):	318	EFFICIENCY(%):	100.0	Power Factor(PF)	1.000
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	318.2	EFFICIENCY(lm/W)	49.8
Effictive Flux(lm) :	256.9	θ @50%(H, V):	28.2,27.9DEG	EEI:	0.239



AVERAGE BEAM ANGLE(50%):27.8 DEG



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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

Color Temperature Data List

Report number:

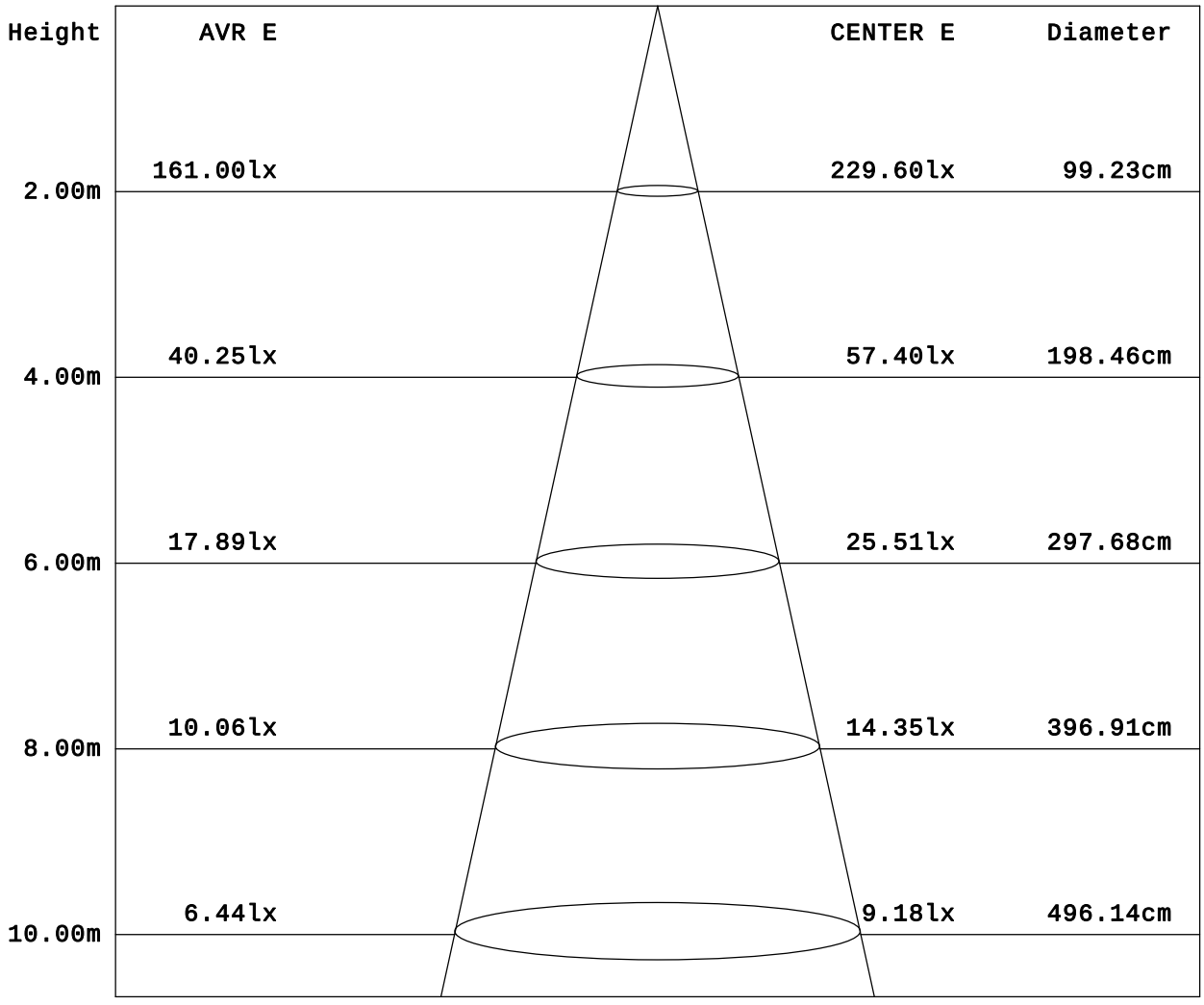
MANUFACTURER:		
Address:		
NAME:	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

Test System:HOPOO HPG1800 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07月28日 Remarks:

AVERAGE AND CENTER E Figure

Report number:

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



Angle:27.9deg

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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)	-45	-40	-35	-30	-25	-20	-15	-10	10	15	20	25	30	35	40	45	Φ t	Φ a
45	0.04	0.06	0.09	0.11	0.13	0.15	0.16	0.17	0.16	0.15	0.14	0.12	0.10	0.08	0.06	0.05	0.03	0.02	1.81	0.00
40	0.05	0.08	0.12	0.17	0.21	0.24	0.27	0.28	0.27	0.25	0.23	0.20	0.16	0.13	0.09	0.07	0.05	0.03	2.90	0.00
35	0.07	0.11	0.17	0.25	0.32	0.39	0.44	0.47	0.47	0.44	0.39	0.33	0.26	0.19	0.14	0.09	0.06	0.04	4.63	0.00
30	0.09	0.14	0.23	0.35	0.48	0.61	0.74	0.83	0.84	0.79	0.68	0.54	0.40	0.29	0.20	0.13	0.08	0.05	7.47	2.66
25	0.10	0.18	0.31	0.48	0.70	0.97	1.26	1.50	1.56	1.43	1.18	0.89	0.61	0.41	0.27	0.17	0.10	0.06	12.1	9.30
20	0.12	0.23	0.39	0.62	0.98	1.55	2.22	2.68	2.82	2.61	2.11	1.44	0.91	0.56	0.35	0.21	0.13	0.07	20.0	17.6
15	0.14	0.27	0.47	0.79	1.34	2.31	3.31	4.08	4.33	4.00	3.20	2.20	1.29	0.74	0.43	0.25	0.15	0.08	29.4	27.3
	0.15	0.30	0.53	0.94	1.74	2.92	4.30	5.53	5.96	5.47	4.28	2.85	1.66	0.89	0.49	0.28	0.16	0.09	38.6	36.6
	0.16	0.32	0.57	1.03	1.99	3.32	4.95	6.47	7.04	6.40	4.83	3.15	1.82	0.96	0.52	0.29	0.17	0.09	44.1	42.2
	0.15	0.31	0.56	1.01	1.92	3.22	4.80	6.27	6.88	6.12	4.63	3.04	1.77	0.94	0.51	0.29	0.16	0.09	42.7	40.8
	0.14	0.28	0.50	0.87	1.57	2.64	3.87	5.00	5.55	5.07	3.83	2.61	1.51	0.83	0.46	0.26	0.15	0.08	35.2	33.3
-15	0.12	0.23	0.41	0.70	1.15	1.88	2.77	3.52	3.87	3.59	2.82	1.90	1.11	0.66	0.38	0.22	0.13	0.07	25.5	23.4
-20	0.10	0.18	0.32	0.52	0.80	1.19	1.73	2.25	2.45	2.29	1.82	1.22	0.77	0.48	0.30	0.18	0.10	0.06	16.8	14.2
-25	0.08	0.14	0.24	0.37	0.54	0.76	1.02	1.25	1.39	1.31	1.05	0.77	0.51	0.33	0.21	0.13	0.08	0.05	10.2	7.12
-30	0.06	0.10	0.16	0.25	0.35	0.48	0.60	0.70	0.75	0.72	0.60	0.46	0.33	0.22	0.15	0.09	0.06	0.04	6.12	1.33
-35	0.04	0.07	0.11	0.16	0.23	0.29	0.35	0.40	0.41	0.39	0.34	0.28	0.21	0.15	0.09	0.06	0.04	0.02	3.64	0.00
-40	0.03	0.05	0.07	0.10	0.14	0.18	0.21	0.23	0.24	0.23	0.20	0.17	0.13	0.09	0.06	0.04	0.03	0.02	2.20	0.00
-45	0.02	0.03	0.04	0.06	0.08	0.11	0.13	0.14	0.15	0.14	0.12	0.10	0.08	0.06	0.04	0.02	0.01	0.01	1.35	0.00
HORIZONTAL(DEG)																				
Φ t	1.66	3.08	5.29	8.79	14.7	23.2	33.1	41.8	45.1	41.4	32.5	22.3	13.6	8.00	4.76	2.84	1.68	0.97	318	
Φ a	0.00	0.00	0.60	5.31	11.8	20.6	30.8	39.5	43.0	39.1	30.1	19.7	10.7	4.37	0.00	0.00	0.00	0.00		257

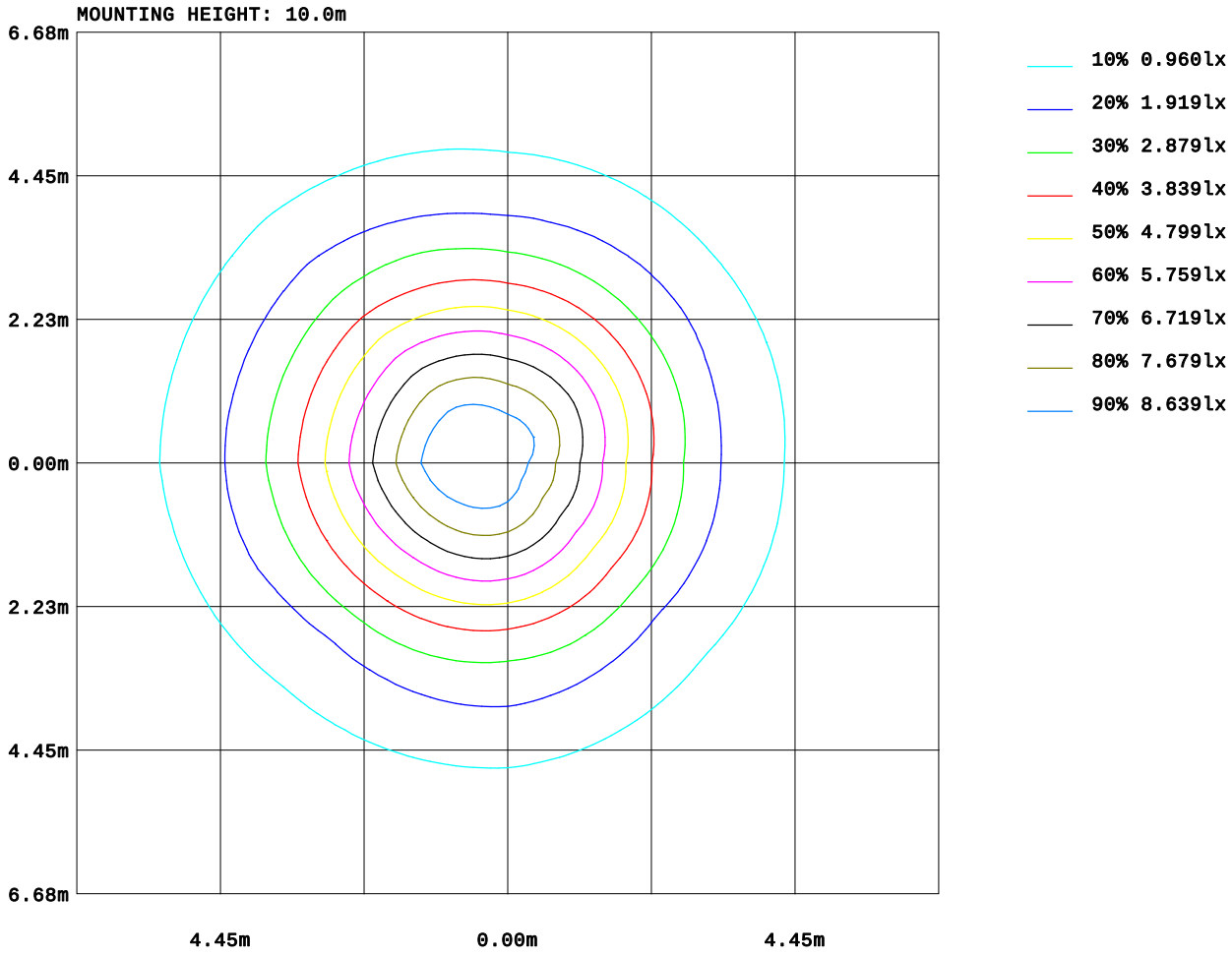
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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.:



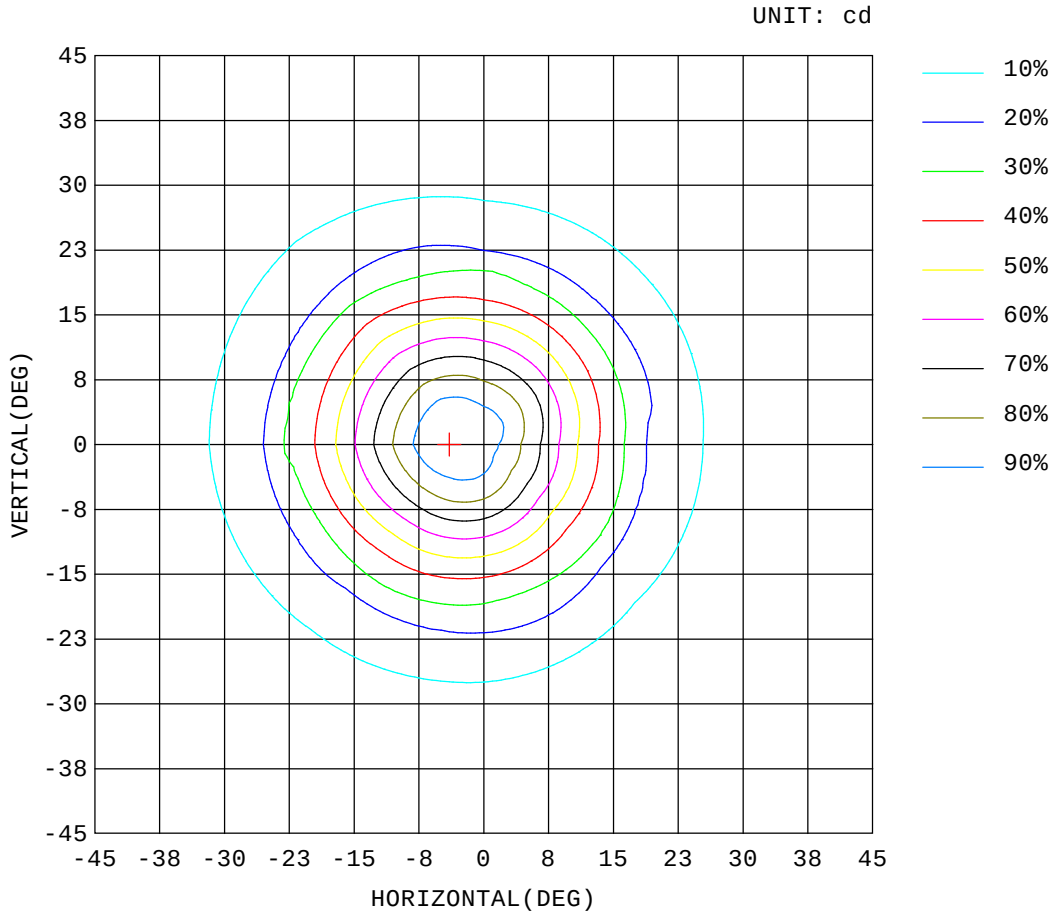
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

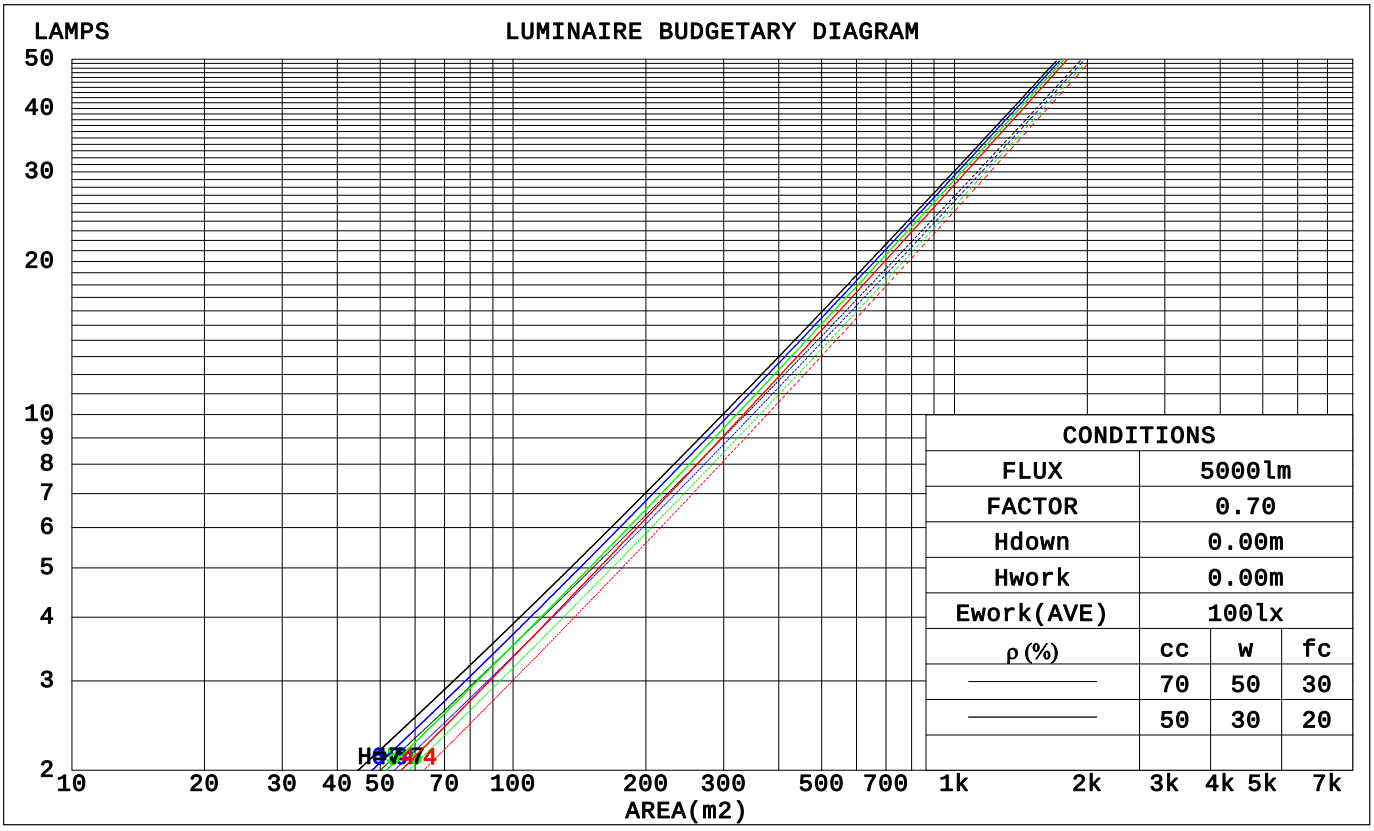
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.98	.97	.96	.95	.94
2.0	1.05	1.01	.98	1.03	.00	.97	.00	.97	.95	.96	.94	.92	.94	.92	.90	.89
3.0	.99	.95	.91	.97	.93	.90	.95	.91	.89	.92	.89	.87	.90	.88	.86	.84
4.0	.94	.89	.85	.93	.88	.85	.90	.87	.84	.88	.85	.83	.86	.84	.81	.80
5.0	.89	.84	.80	.88	.84	.80	.86	.82	.79	.85	.81	.78	.83	.80	.78	.76
6.0	.85	.80	.76	.84	.79	.76	.83	.78	.75	.81	.78	.75	.80	.77	.74	.73
7.0	.81	.76	.73	.81	.76	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
8.0	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.67
9.0	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.66	.71	.68	.65	.64
10.0	.72	.67	.64	.71	.67	.64	.71	.66	.63	.70	.66	.63	.69	.66	.63	.62



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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
5.0	741.8	751.5	819.6	884.3	956.4	926.7	850.7	810.0	0- 5	21.08	21.08
10.0	522.1	532.7	613.6	694.0	797.1	766.0	665.8	596.2	5- 10	53.02	74.11
15.0	328.6	337.7	402.0	467.9	574.0	557.2	452.0	388.5	10- 15	63.40	137.5
20.0	178.1	183.0	250.3	298.5	368.1	360.6	296.7	230.1	15- 20	56.93	194.4
25.0	100.6	97.69	135.0	152.6	204.3	183.0	144.5	117.2	20- 25	41.42	235.8
30.0	58.60	54.59	71.80	86.50	117.2	114.3	78.19	67.09	25- 30	27.30	263.1
35.0	34.90	30.50	39.70	50.50	67.50	69.90	43.00	39.79	30- 35	18.23	281.4
40.0	21.00	16.59	24.00	28.40	38.70	43.70	25.20	24.10	35- 40	12.17	293.5
45.0	12.40	8.299	15.09	15.20	19.90	26.60	14.59	14.20	40- 45	7.787	301.3
50.0	7.400	4.500	8.600	8.400	10.40	15.70	7.100	8.500	45- 50	4.860	306.2
55.0	4.300	1.900	4.800	4.000	5.600	9.800	3.300	5.000	50- 55	2.868	309.1
60.0	3.000	0.600	3.200	1.500	2.900	6.100	1.200	3.100	55- 60	1.676	310.7
65.0	2.400	0.100	2.300	0.600	1.500	3.600	0.500	2.300	60- 65	1.029	311.8
70.0	2.200	0	1.800	0.200	0.800	2.500	0.100	2.000	65- 70	0.708	312.5
75.0	1.800	0	1.500	0.100	0.700	1.900	0	1.700	70- 75	0.555	313.0
80.0	1.500	0	1.300	0	0.500	1.600	0	1.400	75- 80	0.465	313.5
85.0	1.400	0	1.100	0	0.500	1.400	0	1.100	80- 85	0.398	313.9
90.0	1.400	0	1.000	0	0.400	1.100	0	1.000	85- 90	0.363	314.3
95.0	1.300	0	0.900	0	0.400	1.000	0	0.900	90- 95	0.319	314.6
100.0	1.200	0	0.800	0	0.400	0.900	0	0.900	95-100	0.294	314.9
105.0	1.100	0	0.700	0	0.500	0.900	0	0.700	100-105	0.274	315.1
110.0	1.000	0	0.600	0	0.500	0.800	0	0.700	105-110	0.243	315.4
115.0	1.000	0	0.600	0	0.500	0.600	0	0.700	110-115	0.219	315.6
120.0	0.900	0	0.600	0	0.600	0.700	0	0.600	115-120	0.205	315.8
125.0	0.800	0	0.500	0	0.600	0.700	0	0.600	120-125	0.188	316.0
130.0	0.800	0	0.500	0	0.700	0.700	0	0.700	125-130	0.184	316.2
135.0	0.800	0.100	0.400	0	0.800	0.700	0.100	0.700	130-135	0.180	316.4
140.0	1.000	0.200	0.600	0	1.000	0.800	0.300	0.900	135-140	0.195	316.6
145.0	1.100	0.300	0.600	0.200	1.200	0.800	0.600	1.100	140-145	0.224	316.8
150.0	1.300	0.500	0.900	0.300	1.500	1.200	0.800	1.400	145-150	0.249	317.0
155.0	1.500	0.800	1.000	0.500	1.800	1.600	1.100	1.600	150-155	0.273	317.3
160.0	1.700	1.000	1.200	0.600	2.100	1.700	1.300	1.700	155-160	0.278	317.6
165.0	1.800	1.300	1.300	0.900	2.300	1.900	1.500	1.800	160-165	0.247	317.8
170.0	1.800	1.300	1.400	1.200	2.400	1.800	1.500	1.700	165-170	0.191	318.0
175.0	2.000	1.400	1.600	1.300	2.400	1.800	1.600	1.600	170-175	0.120	318.1
180.0	2.000	1.600	1.600	1.400	2.500	1.700	1.400	1.500	175-180	0.041	318.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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	.162	.092	.029	.155	.089	.028	.142	.081	.026	.130	.075	.024	.119	.069	.022	
2.0	.152	.083	.026	.146	.081	.025	.135	.075	.023	.125	.070	.022	.115	.065	.021	
3.0	.143	.076	.023	.138	.074	.022	.129	.070	.021	.120	.066	.020	.112	.062	.019	
4.0	.135	.070	.021	.130	.068	.020	.122	.065	.019	.115	.062	.019	.108	.059	.018	
5.0	.127	.065	.019	.124	.063	.018	.117	.061	.018	.110	.058	.017	.104	.056	.017	
6.0	.121	.061	.017	.118	.059	.017	.111	.057	.017	.106	.055	.016	.100	.053	.016	
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.097	.050	.015	
8.0	.110	.054	.015	.107	.053	.015	.102	.051	.015	.098	.049	.014	.093	.048	.014	
9.0	.105	.051	.014	.102	.050	.014	.098	.049	.014	.094	.047	.013	.090	.046	.013	
10.0	.100	.048	.013	.098	.047	.013	.094	.046	.013	.091	.045	.013	.087	.044	.013	

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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.180	.167	.156	.154	.143	.134	.105	.099	.093	.060	.057	.054	.019	.018	.017	
2.0	.163	.142	.124	.140	.122	.108	.096	.085	.075	.055	.049	.044	.018	.016	.014	
3.0	.150	.123	.102	.128	.106	.088	.088	.074	.062	.051	.043	.037	.016	.014	.012	
4.0	.138	.108	.085	.119	.093	.074	.082	.065	.052	.047	.038	.031	.015	.012	.010	
5.0	.129	.096	.072	.111	.083	.063	.076	.058	.044	.044	.034	.026	.014	.011	.009	
6.0	.121	.087	.062	.104	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.008	
7.0	.113	.079	.054	.098	.068	.047	.067	.048	.034	.039	.028	.020	.013	.009	.007	
8.0	.107	.072	.048	.092	.063	.042	.064	.044	.030	.037	.026	.018	.012	.009	.006	
9.0	.102	.067	.043	.088	.058	.038	.061	.041	.027	.035	.024	.016	.011	.008	.005	
10.0	.097	.062	.039	.084	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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	-2.2	-1.4	-2.0	-1.2	-1.0	-1.5	-0.7	-1.3	-0.5	-0.3
3H	-1.9	-1.1	-1.6	-0.9	-0.7	-1.4	-0.6	-1.1	-0.4	-0.2
4H	-1.6	-0.9	-1.3	-0.7	-0.4	-1.2	-0.5	-0.9	-0.3	-0.0
6H	-1.1	-0.4	-0.8	-0.2	0.1	-0.9	-0.3	-0.6	-0.0	0.3
8H	-0.8	-0.1	-0.4	0.1	0.4	-0.7	-0.0	-0.4	0.2	0.5
12H	-0.3	0.4	0.1	0.6	0.9	-0.3	0.3	-0.0	0.6	0.8
4H 2H	-2.4	-1.7	-2.1	-1.5	-1.2	-1.7	-1.0	-1.4	-0.8	-0.5
3H	-2.1	-1.5	-1.7	-1.2	-0.9	-1.6	-1.0	-1.3	-0.7	-0.4
4H	-1.7	-1.1	-1.3	-0.8	-0.5	-1.4	-0.8	-1.0	-0.5	-0.2
6H	-1.0	-0.5	-0.6	-0.2	0.2	-1.0	-0.5	-0.6	-0.1	0.2
8H	-0.6	-0.1	-0.2	0.3	0.7	-0.6	-0.1	-0.2	0.2	0.6
12H	0.2	0.6	0.6	1.0	1.4	-0.1	0.3	0.3	0.7	1.1
8H 4H	-1.8	-1.4	-1.4	-1.0	-0.6	-1.5	-1.0	-1.1	-0.7	-0.3
6H	-1.1	-0.7	-0.7	-0.3	0.1	-1.1	-0.7	-0.6	-0.3	0.2
8H	-0.5	-0.2	-0.1	0.2	0.7	-0.6	-0.3	-0.1	0.2	0.6
12H	0.4	0.7	0.9	1.2	1.7	0.1	0.4	0.6	0.8	1.3
12H 4H	-1.9	-1.5	-1.4	-1.1	-0.6	-1.5	-1.1	-1.1	-0.7	-0.3
6H	-1.2	-0.8	-0.7	-0.4	0.1	-1.1	-0.8	-0.6	-0.3	0.1
8H	-0.6	-0.3	-0.1	0.2	0.7	-0.7	-0.4	-0.2	0.1	0.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 1.8					+ 2.2 / - 2.2				
1.5H	+ 3.0 / - 2.4					+ 3.5 / - 3.0				
2.0H	+ 3.2 / - 1.7					+ 4.1 / - 2.4				

CIE Pub.117 Corrected 318.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.0)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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	87	80	76	86	80	76	85	80	76	73
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	97	102	98	95	91
2.00	108	104	100	106	103	100	104	101	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

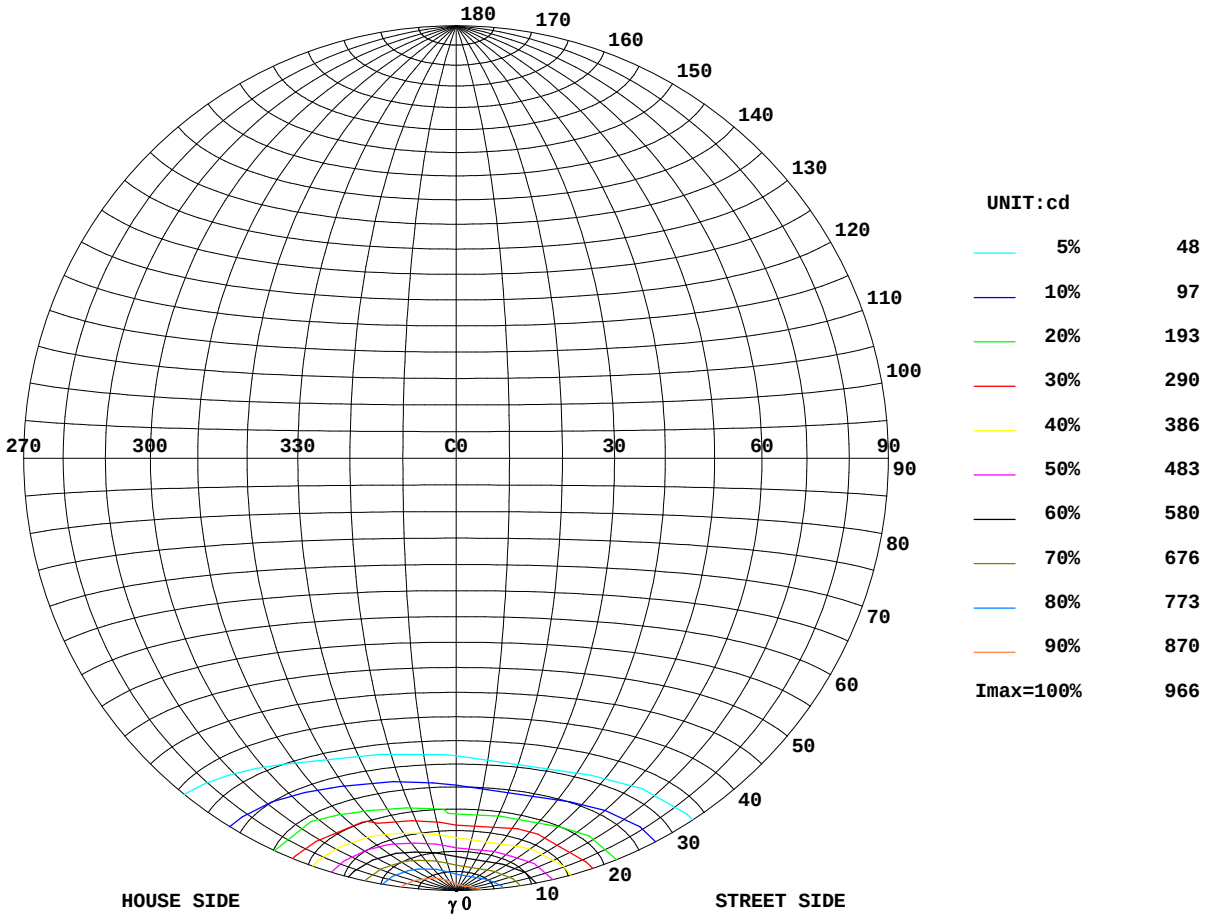
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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.:



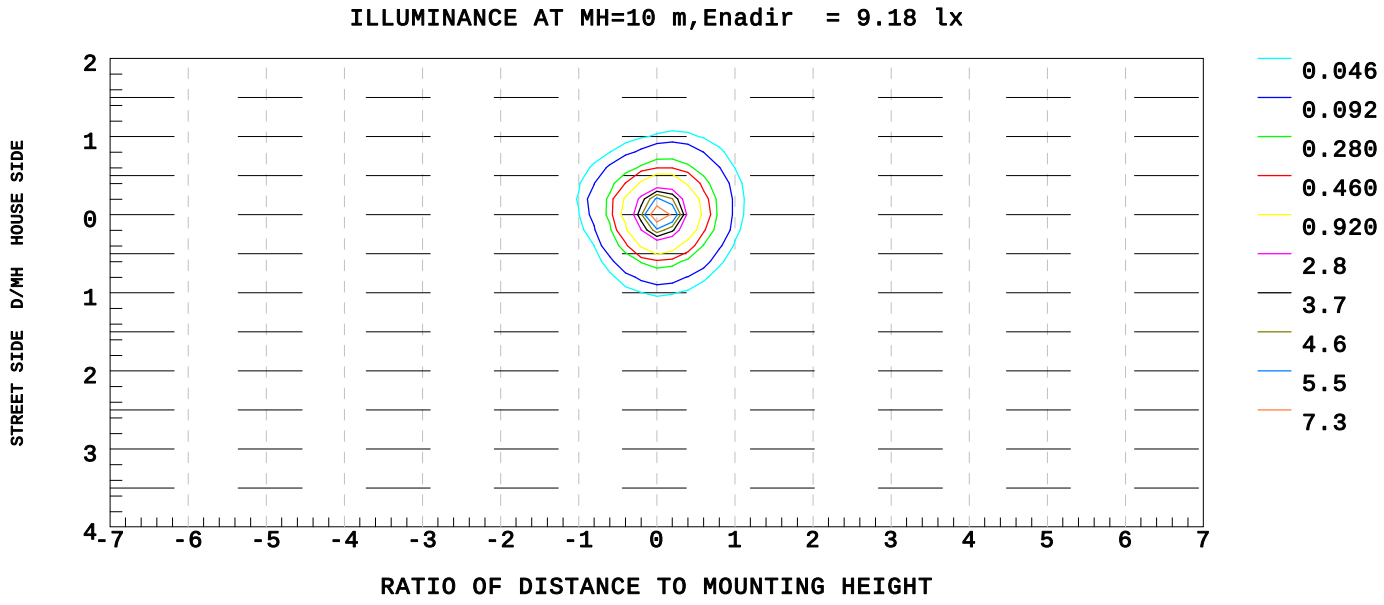
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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.:





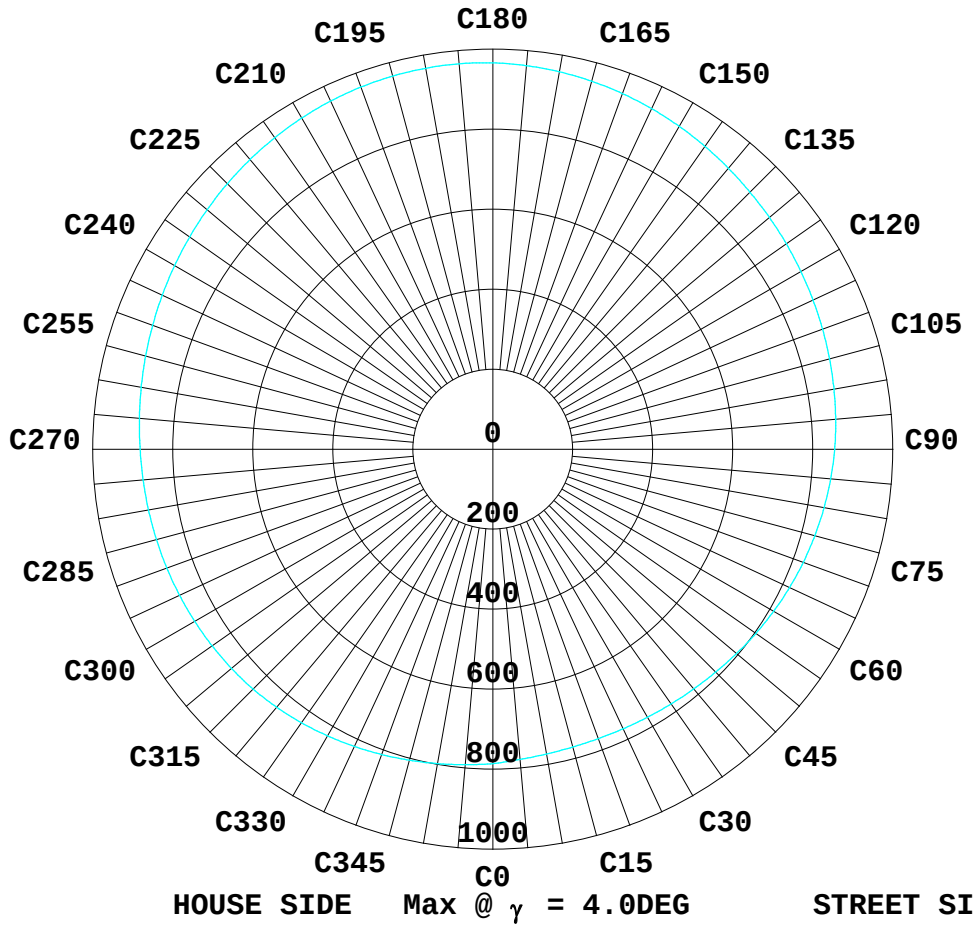
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28日

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 HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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

H(DEG) / V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	0.40	0.36	0.31	0.27	0.22	0.18	0.13	0.09	0.04	0.00	0.11	0.22	0.33	0.44	0.56
-85.0	0.40	0.36	0.31	0.27	0.22	0.18	0.15	0.11	0.06	0.00	0.12	0.24	0.36	0.49	0.61
-80.0	0.40	0.36	0.31	0.31	0.28	0.23	0.17	0.10	0.05	0.00	0.13	0.28	0.42	0.57	0.71
-75.0	0.40	0.36	0.36	0.34	0.28	0.20	0.18	0.12	0.07	0.01	0.12	0.28	0.44	0.62	0.82
-70.0	0.40	0.36	0.40	0.34	0.27	0.24	0.18	0.15	0.07	0.02	0.20	0.40	0.58	0.76	0.98
-65.0	0.40	0.37	0.40	0.30	0.30	0.26	0.19	0.17	0.19	0.14	0.26	0.46	0.69	0.96	1.24
-60.0	0.40	0.41	0.40	0.35	0.31	0.26	0.29	0.27	0.29	0.27	0.29	0.66	1.12	1.49	1.89
-55.0	0.40	0.44	0.35	0.36	0.36	0.32	0.35	0.40	0.39	0.51	0.81	1.26	1.81	2.65	3.25
-50.0	0.40	0.46	0.37	0.37	0.33	0.39	0.46	0.50	0.73	0.99	1.42	2.33	3.42	4.66	5.74
-45.0	0.40	0.46	0.42	0.42	0.41	0.46	0.58	0.76	1.16	1.80	2.85	4.28	6.12	8.27	10.3
-40.0	0.40	0.46	0.43	0.44	0.51	0.57	0.69	1.17	1.84	3.08	4.92	7.11	10.1	13.4	17.0
-35.0	0.40	0.47	0.44	0.40	0.49	0.63	0.97	1.67	2.83	4.81	7.50	11.2	15.5	21.5	28.2
-30.0	0.40	0.47	0.44	0.42	0.56	0.77	1.26	2.22	3.94	6.83	11.0	16.5	24.3	34.6	45.5
-25.0	0.40	0.48	0.45	0.48	0.59	0.85	1.55	2.96	5.34	9.20	15.2	24.0	37.5	52.9	71.6
-20.0	0.40	0.48	0.46	0.54	0.68	1.01	1.93	3.58	6.68	11.9	19.9	34.1	52.8	77.9	108
-15.0	0.40	0.49	0.47	0.59	0.73	1.18	2.22	4.25	8.07	14.5	25.5	45.0	71.0	110	167
-10.0	0.40	0.49	0.48	0.64	0.75	1.32	2.52	4.87	9.20	17.0	30.8	55.0	90.2	148	249
-5.0	0.40	0.50	0.49	0.68	0.78	1.43	2.76	5.35	10.0	18.9	35.9	62.9	107	182	324
0.0	0.40	0.50	0.50	0.70	0.80	1.50	2.90	5.60	10.4	19.9	38.7	67.5	117	204	368
5.0	0.40	0.51	0.52	0.73	0.87	1.58	3.05	5.80	10.6	20.1	37.9	65.9	112	191	348
10.0	0.40	0.52	0.54	0.75	0.93	1.63	3.09	5.75	10.5	19.3	34.6	60.7	98.9	164	294
15.0	0.40	0.53	0.56	0.76	0.99	1.63	3.02	5.49	9.95	17.7	30.7	52.5	82.5	129	197
20.0	0.40	0.54	0.58	0.77	1.01	1.57	2.90	5.13	9.03	15.5	25.9	43.1	65.8	96.5	141
25.0	0.40	0.54	0.60	0.75	1.00	1.51	2.67	4.70	7.89	12.9	21.1	33.4	50.6	71.4	93.2
30.0	0.40	0.55	0.62	0.72	1.04	1.50	2.41	4.16	6.74	10.7	16.8	25.7	37.2	50.4	61.4
35.0	0.40	0.56	0.62	0.74	1.00	1.41	2.19	3.57	5.68	8.68	13.0	18.8	27.0	33.4	39.8
40.0	0.40	0.57	0.63	0.80	1.04	1.34	1.89	2.96	4.65	6.84	9.82	13.9	17.9	21.5	25.0
45.0	0.40	0.57	0.64	0.82	1.04	1.30	1.77	2.50	3.68	5.40	7.46	10.0	11.7	13.3	15.0
50.0	0.40	0.57	0.60	0.78	0.94	1.21	1.57	2.10	2.90	4.07	5.61	6.92	7.66	8.29	8.82
55.0	0.40	0.56	0.61	0.78	0.99	1.25	1.49	1.82	2.35	3.10	4.08	4.57	4.91	5.08	5.09
60.0	0.40	0.53	0.67	0.76	0.93	1.09	1.41	1.68	1.97	2.48	2.84	3.01	3.05	3.00	2.83
65.0	0.40	0.49	0.70	0.72	0.89	1.08	1.24	1.60	1.74	2.10	2.18	2.15	2.02	1.81	1.62
70.0	0.40	0.48	0.68	0.78	0.86	1.00	1.19	1.40	1.57	1.94	1.78	1.67	1.55	1.33	1.12
75.0	0.40	0.48	0.63	0.81	0.88	0.95	1.08	1.26	1.45	1.63	1.54	1.37	1.23	1.09	0.91
80.0	0.40	0.48	0.57	0.72	0.89	1.03	1.09	1.17	1.28	1.39	1.25	1.12	1.03	0.90	0.72
85.0	0.40	0.48	0.55	0.64	0.74	0.85	0.98	1.10	1.24	1.40	1.30	1.16	0.98	0.81	0.64
90.0	0.40	0.48	0.56	0.63	0.71	0.79	0.87	0.94	1.02	1.10	0.98	0.86	0.73	0.61	0.49

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2025年07月28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

H(DEG) / V(DEG)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	0.67	0.78	0.89	1.00	0.89	0.78	0.67	0.56	0.44	0.33	0.22	0.11	0.00	0.16	0.31
-85.0	0.73	0.85	0.98	1.10	0.98	0.85	0.73	0.61	0.49	0.36	0.24	0.12	0.00	0.16	0.31
-80.0	0.86	1.00	1.15	1.30	1.15	1.00	0.86	0.71	0.57	0.42	0.28	0.13	0.01	0.16	0.32
-75.0	1.00	1.17	1.33	1.50	1.32	1.15	0.98	0.81	0.62	0.44	0.28	0.12	0.04	0.19	0.35
-70.0	1.18	1.39	1.60	1.80	1.58	1.35	1.11	0.90	0.70	0.51	0.31	0.11	0.07	0.25	0.44
-65.0	1.49	1.80	2.07	2.30	2.01	1.71	1.41	1.17	0.90	0.61	0.32	0.08	0.12	0.32	0.50
-60.0	2.28	2.65	2.95	3.20	2.84	2.44	2.01	1.49	1.17	0.70	0.44	0.19	0.26	0.41	0.58
-55.0	3.86	4.33	4.63	4.80	4.35	3.81	3.16	2.44	1.77	1.14	0.54	0.24	0.48	0.60	0.71
-50.0	6.85	7.75	8.38	8.60	7.83	6.75	5.52	4.19	3.02	1.97	1.04	0.69	0.70	0.77	0.91
-45.0	12.2	13.6	14.7	15.0	13.6	11.7	9.74	7.60	5.44	3.56	2.03	1.40	1.11	1.06	1.10
-40.0	20.3	22.7	24.1	24.0	22.1	19.2	15.6	11.9	8.71	5.96	3.87	2.59	1.81	1.41	1.31
-35.0	34.2	38.3	40.4	39.7	36.6	31.6	25.8	19.5	13.2	8.52	6.41	4.36	2.84	1.90	1.63
-30.0	56.4	65.7	71.6	71.8	64.8	53.5	41.3	30.4	21.2	13.9	9.37	6.57	4.21	2.60	1.93
-25.0	92.9	115	131	135	118	92.6	67.4	46.3	31.5	21.7	13.6	8.99	5.80	3.48	2.35
-20.0	153	198	246	250	216	154	106	68.5	45.8	30.1	19.2	11.6	7.42	4.49	2.80
-15.0	241	344	399	402	346	250	158	101	63.1	39.1	24.6	14.7	9.08	5.41	3.22
-10.0	381	510	605	614	512	371	236	137	81.2	48.4	29.5	17.4	10.4	6.23	3.63
-5.0	500	681	819	820	665	476	307	168	94.8	55.5	33.2	19.8	11.6	6.96	4.03
0.0	574	797	956	918	742	522	329	178	101	58.6	34.9	21.0	12.4	7.40	4.30
5.0	532	730	877	851	729	515	325	178	99.3	57.8	34.6	20.7	12.3	7.33	4.27
10.0	438	593	676	666	573	420	273	152	88.4	52.6	32.3	19.3	11.6	6.94	4.10
15.0	327	412	463	452	395	297	184	116	71.6	44.9	28.3	17.3	10.6	6.39	3.88
20.0	186	252	284	297	240	177	124	83.1	54.9	36.4	23.6	14.8	9.22	5.73	3.61
25.0	117	138	147	145	130	105	79.2	57.1	40.5	27.9	18.5	12.0	7.83	4.88	3.29
30.0	71.4	79.5	82.7	78.1	72.7	62.1	49.7	38.5	28.7	20.4	14.0	9.49	6.28	4.09	2.99
35.0	44.3	46.9	46.6	43.0	41.0	36.7	31.1	25.3	19.4	14.4	10.3	7.23	4.94	3.42	2.85
40.0	27.3	28.3	27.6	25.2	24.3	22.3	19.3	16.0	12.8	9.86	7.43	5.33	3.77	2.96	2.54
45.0	16.2	16.6	16.1	14.5	14.2	13.2	11.5	9.78	8.00	6.42	5.18	3.81	3.07	2.57	2.33
50.0	8.96	8.78	8.15	7.10	7.12	6.79	6.21	5.51	4.81	4.09	3.42	2.99	2.54	2.32	2.13
55.0	4.99	4.68	4.09	3.30	3.45	3.45	3.27	2.97	2.75	2.64	2.58	2.50	2.30	2.11	1.93
60.0	2.66	2.30	1.79	1.20	1.41	1.58	1.69	1.72	1.75	1.92	2.03	2.11	2.01	1.81	1.80
65.0	1.45	1.17	0.86	0.50	0.70	0.88	1.04	1.18	1.36	1.51	1.69	1.69	1.73	1.73	1.58
70.0	0.90	0.65	0.38	0.10	0.32	0.53	0.72	0.88	0.99	1.23	1.40	1.57	1.51	1.58	1.45
75.0	0.67	0.44	0.22	0.00	0.19	0.38	0.55	0.70	0.88	1.09	1.21	1.26	1.35	1.40	1.37
80.0	0.54	0.36	0.18	0.00	0.16	0.32	0.47	0.63	0.79	0.92	1.03	1.16	1.30	1.20	1.16
85.0	0.47	0.31	0.16	0.00	0.12	0.25	0.37	0.50	0.64	0.78	0.93	1.03	1.10	1.08	1.10
90.0	0.37	0.24	0.12	0.00	0.11	0.22	0.33	0.44	0.56	0.67	0.78	0.89	1.00	1.04	1.08

Test System:HOPOO HPG1800 **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07月28日 **Remarks:**

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: cd

H(DEG) / V(DEG)	60	65	70	75	80	85	90
-90.0	0.47	0.62	0.78	0.93	1.08	1.24	1.40
-85.0	0.47	0.62	0.78	0.94	1.09	1.24	1.40
-80.0	0.48	0.67	0.81	0.94	1.09	1.24	1.40
-75.0	0.49	0.63	0.80	1.00	1.09	1.24	1.40
-70.0	0.54	0.70	0.77	0.96	1.13	1.25	1.40
-65.0	0.66	0.76	0.87	0.96	1.18	1.25	1.40
-60.0	0.74	0.87	0.91	0.98	1.13	1.26	1.40
-55.0	0.83	0.96	1.07	1.04	1.14	1.27	1.40
-50.0	0.97	1.05	1.11	1.08	1.12	1.30	1.40
-45.0	1.14	1.15	1.22	1.22	1.10	1.33	1.40
-40.0	1.29	1.31	1.28	1.33	1.22	1.37	1.40
-35.0	1.49	1.47	1.40	1.36	1.29	1.39	1.40
-30.0	1.68	1.62	1.48	1.41	1.27	1.38	1.40
-25.0	1.96	1.72	1.61	1.50	1.27	1.37	1.40
-20.0	2.25	1.86	1.74	1.59	1.32	1.37	1.40
-15.0	2.37	2.06	1.87	1.64	1.38	1.37	1.40
-10.0	2.60	2.16	1.99	1.69	1.42	1.38	1.40
-5.0	2.82	2.28	2.10	1.74	1.46	1.38	1.40
0.0	3.00	2.40	2.20	1.80	1.50	1.40	1.40
5.0	2.98	2.39	2.18	1.79	1.49	1.39	1.40
10.0	2.91	2.38	2.14	1.79	1.48	1.40	1.40
15.0	2.82	2.38	2.09	1.78	1.46	1.40	1.40
20.0	2.87	2.27	2.02	1.76	1.43	1.41	1.40
25.0	2.63	2.22	1.92	1.72	1.40	1.43	1.40
30.0	2.49	2.18	1.88	1.68	1.42	1.45	1.40
35.0	2.35	2.13	1.85	1.66	1.46	1.47	1.40
40.0	2.20	1.97	1.78	1.63	1.41	1.46	1.40
45.0	2.10	1.85	1.70	1.54	1.30	1.42	1.40
50.0	1.90	1.79	1.65	1.44	1.32	1.38	1.40
55.0	1.82	1.66	1.57	1.42	1.34	1.36	1.40
60.0	1.67	1.61	1.45	1.36	1.34	1.36	1.40
65.0	1.58	1.46	1.41	1.30	1.41	1.36	1.40
70.0	1.43	1.39	1.29	1.30	1.36	1.36	1.40
75.0	1.33	1.25	1.27	1.38	1.32	1.36	1.40
80.0	1.20	1.31	1.28	1.28	1.32	1.35	1.40
85.0	1.16	1.22	1.25	1.27	1.31	1.35	1.40
90.0	1.13	1.17	1.22	1.26	1.31	1.35	1.40

Test System:HOPOO HPG1800
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07月28日
Remarks: