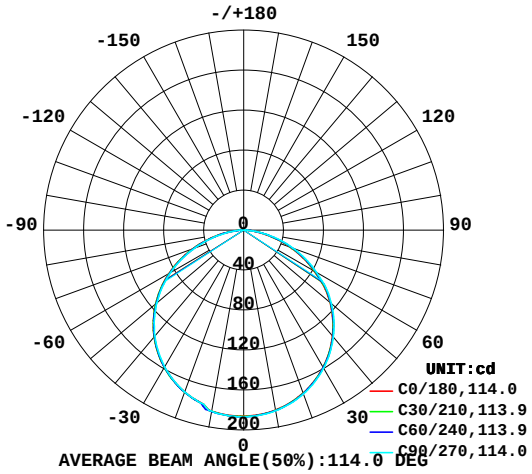
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

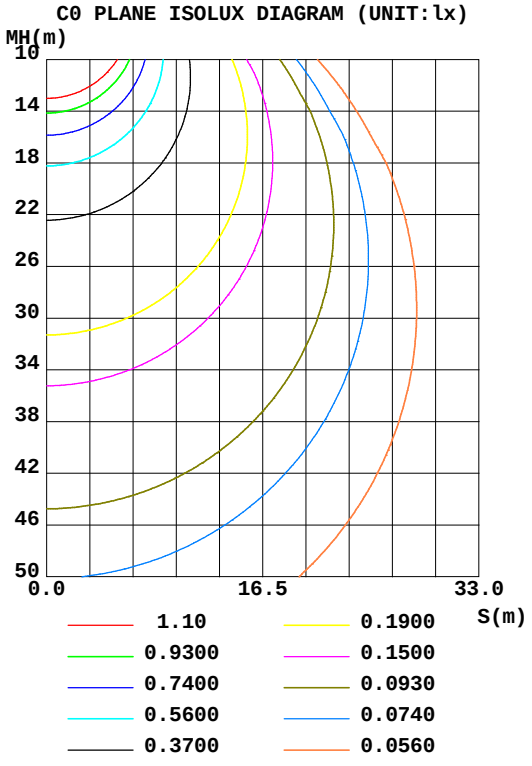
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 97.66 lm/W	
MODEL	HCP-3125484	Imax(cd)	186.8	S/MH(C0/180)	1.27
NOMINAL POWER(W)	4.8	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	539.31	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	539.309	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	100.0	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):114.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	182.9	183.6	183.6	184.1	183.9	184.1	184.2	183.8	0- 10	17.68	17.68	3.28,3.28
20	173.7	171.0	174.5	172.3	172.4	175.7	172.3	174.9	10- 20	50.46	68.14	12.6,12.6
30	158.8	156.5	159.7	158.2	158.6	161.4	158.1	160.1	20- 30	76.93	145.1	26.9,26.9
40	138.3	136.6	139.6	138.8	139.4	141.5	138.3	139.9	30- 40	93.64	238.7	44.3,44.3
50	112.8	111.8	114.7	114.3	115.1	116.4	113.5	114.5	40- 50	98.10	336.8	62.5,62.5
60	81.29	82.77	83.89	85.54	86.05	84.98	84.03	82.80	50- 60	89.01	425.8	79,79
70	48.71	50.65	52.06	53.54	53.64	52.30	51.28	49.99	60- 70	67.21	493.0	91.4,91.4
80	17.75	19.72	20.40	21.95	22.04	20.53	19.08	18.68	70- 80	37.33	530.4	98.3,98.3
90	0	0	0.0185	0.3651	0	0.0056	0	0.0005	80- 90	8.947	539.3	100,100
100	0	0	0	0	0	0	0	0	90-100	0.0028	539.3	100,100
110	0	0	0	0	0	0	0	0	100-110	0	539.3	100,100
120	0	0	0	0	0	0	0	0	110-120	0	539.3	100,100
130	0	0	0	0	0	0	0	0	120-130	0	539.3	100,100
140	0	0	0	0	0	0	0	0	130-140	0	539.3	100,100
150	0	0	0	0	0	0	0	0	140-150	0	539.3	100,100
160	0	0	0	0	0	0	0	0	150-160	0	539.3	100,100
170	0	0	0	0	0	0	0	0	160-170	0	539.3	100,100
180	0	0	0	0	0	0	0	0	170-180	0	539.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 288.04 lm

%lum = 53.4%
%lamp = 53.4%

Conical surface Flux(120deg): 425.82 lm

%lum = 79.0%
%lamp = 79.0%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

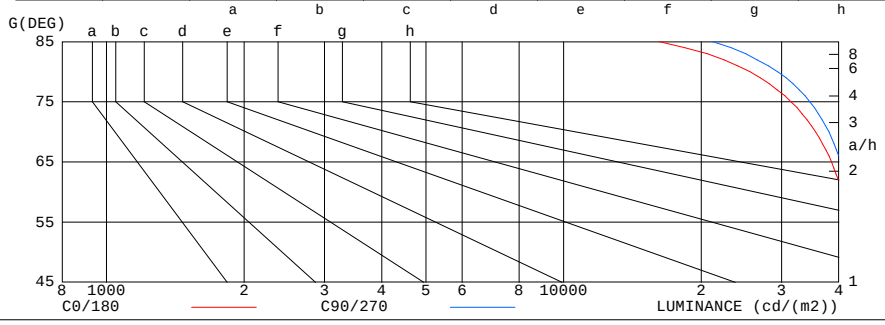
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	16172	21185
80	25554	29376
75	31436	34570
70	35606	38057
65	38579	40381
60	40644	41943
55	42845	43796
50	43878	44597
45	44619	45145

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
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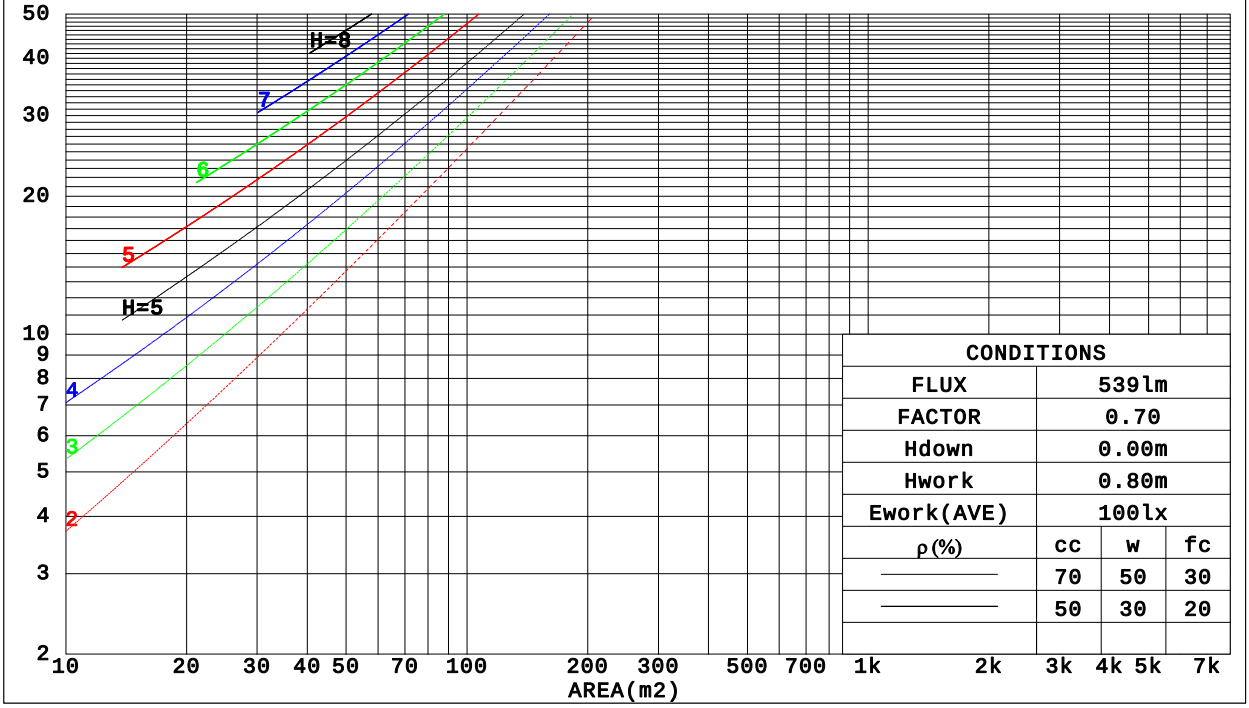
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

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	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.00	.96	1.02	.98	.94	.97	.94	.91	.94	.91	.88	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.82	.77	.85	.80	.75	.82	.77	.73	.79	.75	.72	.70
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.65	.61	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.56	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



CONDITIONS			
FLUX	539lm		
FACTOR	0.70		
Hdown	0.00m		
Hwork	0.80m		
Ework(AVE)	100lx		
ρ(%)	cc	w	fc
————	70	50	30
————	50	30	20

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

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	.308	.175	.055	.301	.172	.055	.288	.165	.053	.275	.159	.051	.264	.153	.049	
2.0	.291	.160	.049	.285	.157	.048	.273	.152	.047	.262	.147	.046	.252	.143	.045	
3.0	.270	.144	.043	.264	.142	.043	.254	.138	.042	.245	.134	.041	.236	.130	.040	
4.0	.249	.130	.038	.245	.128	.038	.235	.125	.037	.227	.122	.037	.219	.119	.036	
5.0	.231	.118	.034	.226	.116	.034	.218	.114	.033	.211	.111	.033	.204	.109	.033	
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.199	.098	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.178	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.162	.081	.023	.157	.080	.023	
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.021	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.098	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.017	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
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SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

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	25.9	27.4	26.1	27.6	27.8	26.0	27.5	26.2	27.7	27.9
	3H	27.3	28.7	27.6	28.9	29.2	27.5	28.9	27.8	29.1	29.4
	4H	27.8	29.2	28.1	29.4	29.7	28.1	29.4	28.4	29.7	29.9
	6H	28.1	29.4	28.5	29.7	30.0	28.5	29.7	28.8	30.0	30.3
	8H	28.2	29.4	28.6	29.7	30.0	28.6	29.8	28.9	30.1	30.3
	12H	28.2	29.4	28.6	29.7	30.0	28.6	29.8	28.9	30.1	30.4
4H	2H	26.5	27.8	26.8	28.1	28.3	26.6	27.9	26.9	28.1	28.4
	3H	28.1	29.3	28.4	29.6	29.9	28.2	29.4	28.6	29.7	30.0
	4H	28.7	29.8	29.1	30.1	30.5	28.9	30.0	29.3	30.3	30.7
	6H	29.2	30.1	29.6	30.5	30.8	29.4	30.4	29.8	30.8	31.1
	8H	29.3	30.2	29.7	30.5	30.9	29.6	30.5	30.0	30.9	31.2
	12H	29.3	30.1	29.8	30.5	30.9	29.7	30.5	30.1	30.9	31.3
8H	4H	29.0	29.9	29.4	30.2	30.6	29.2	30.1	29.6	30.4	30.8
	6H	29.5	30.3	30.0	30.7	31.1	29.8	30.5	30.2	30.9	31.4
	8H	29.7	30.4	30.2	30.8	31.3	30.0	30.7	30.5	31.1	31.6
	12H	29.8	30.4	30.3	30.8	31.3	30.2	30.7	30.6	31.2	31.7
12H	4H	29.0	29.8	29.4	30.2	30.6	29.2	30.0	29.6	30.4	30.8
	6H	29.6	30.2	30.0	30.7	31.1	29.8	30.5	30.3	30.9	31.4
	8H	29.8	30.4	30.3	30.8	31.3	30.1	30.7	30.6	31.1	31.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 539.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.1)
Area: 0.004 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
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Temperature:25DEG
Operators:Qin Meng
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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

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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	57	46	39	57	45	38	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	66	57	49
1.25	83	72	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	70	62
2.00	95	86	80	93	85	79	90	83	78	70
2.50	99	91	85	97	90	84	93	87	82	74
3.00	102	95	90	100	94	89	96	91	87	78
4.00	106	101	96	104	99	95	100	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
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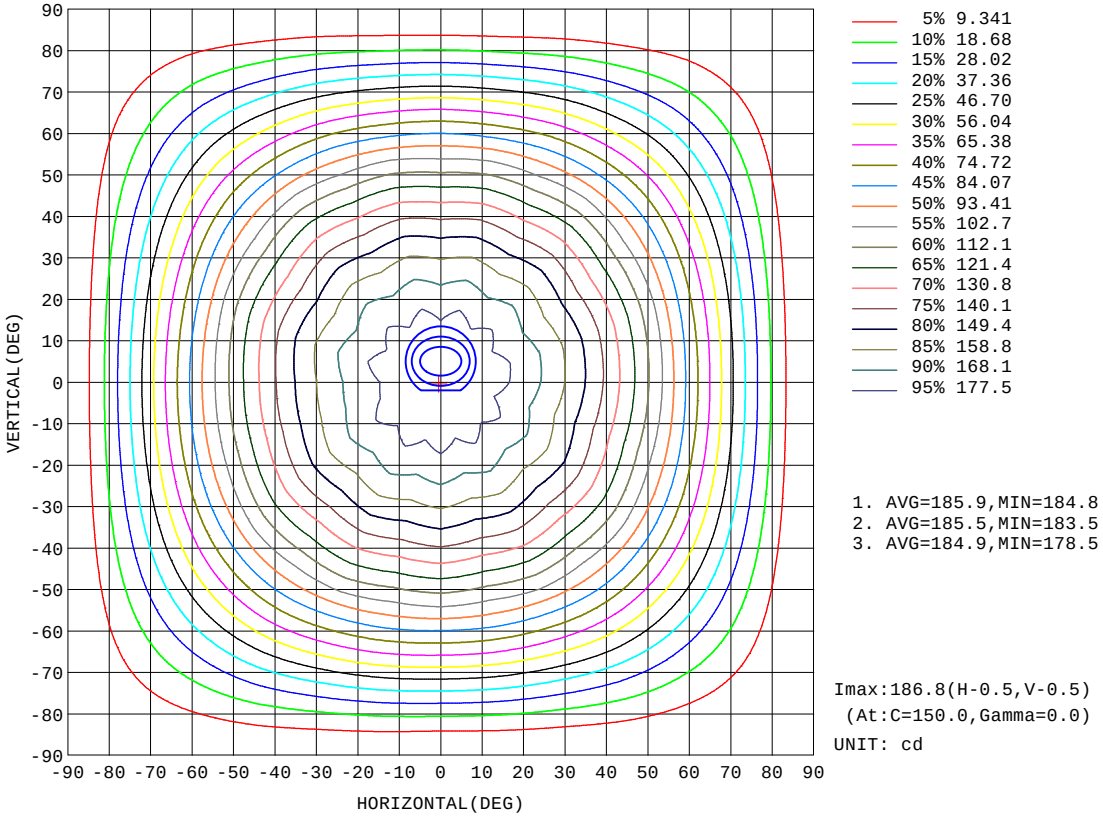

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AAI Figure

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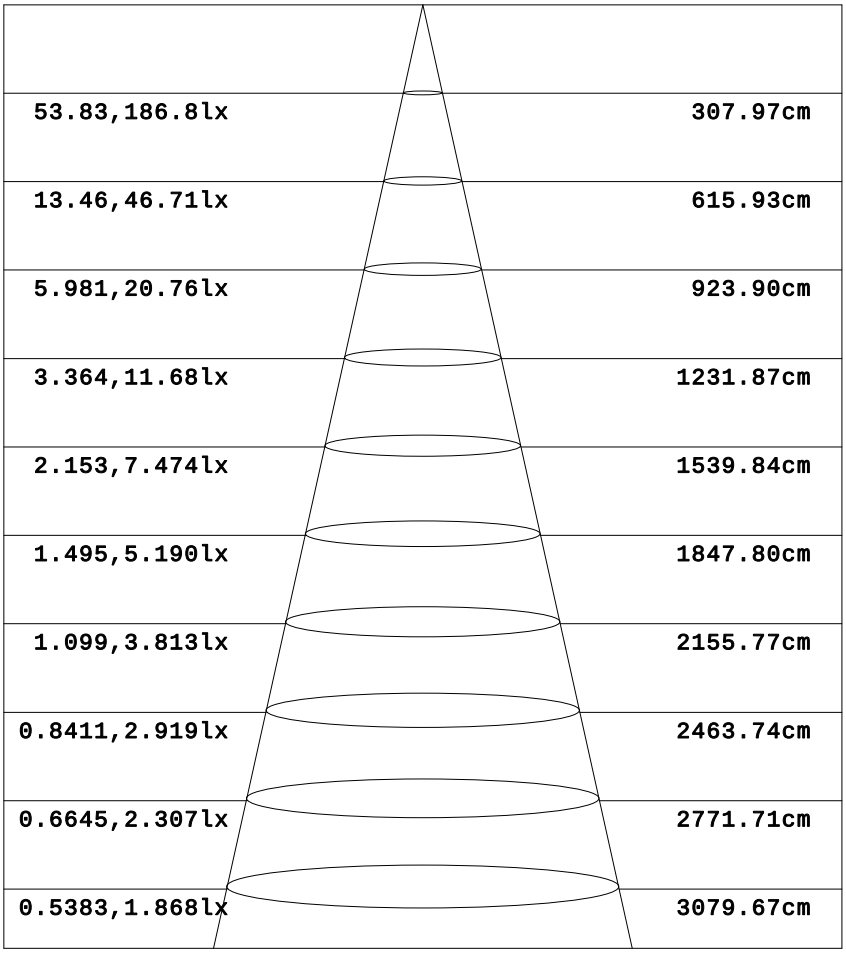
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Flux out:401.0 lm



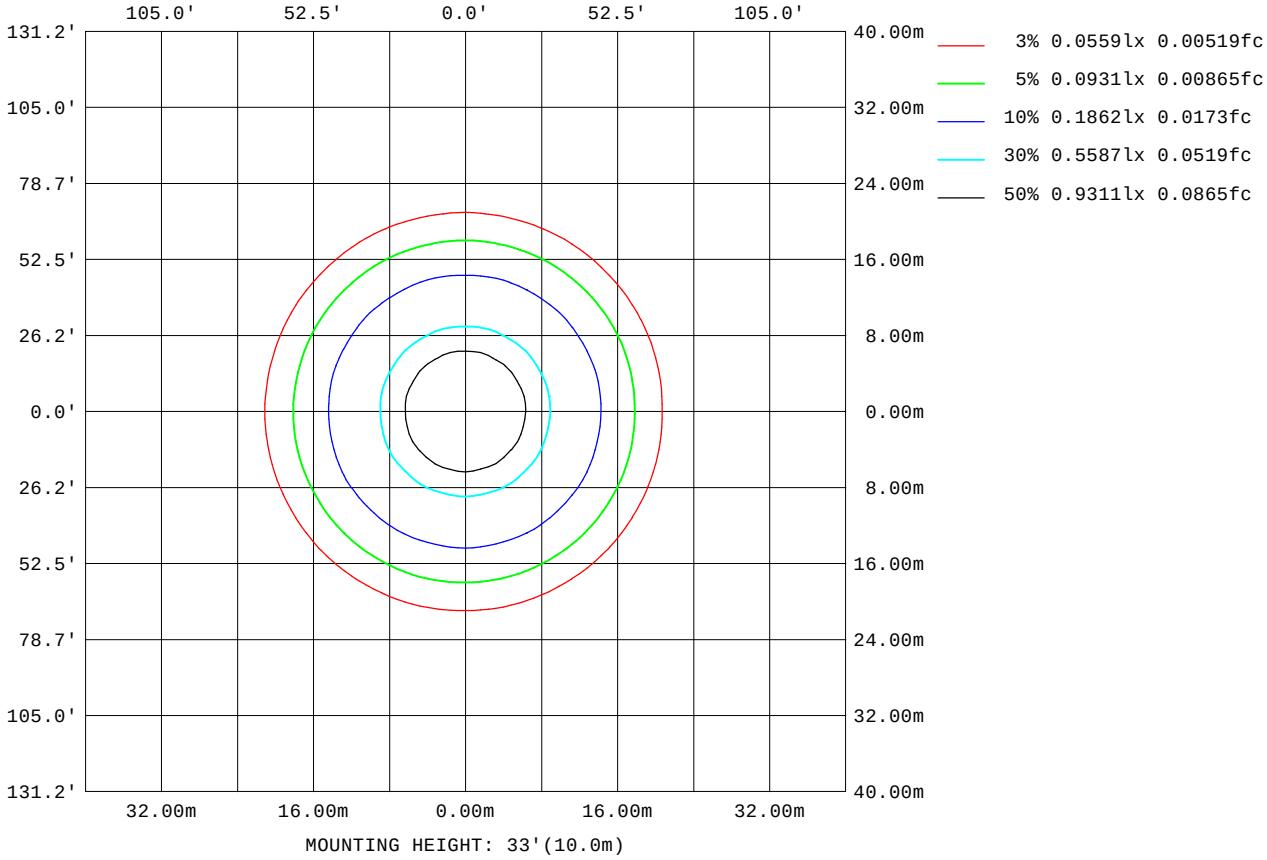
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

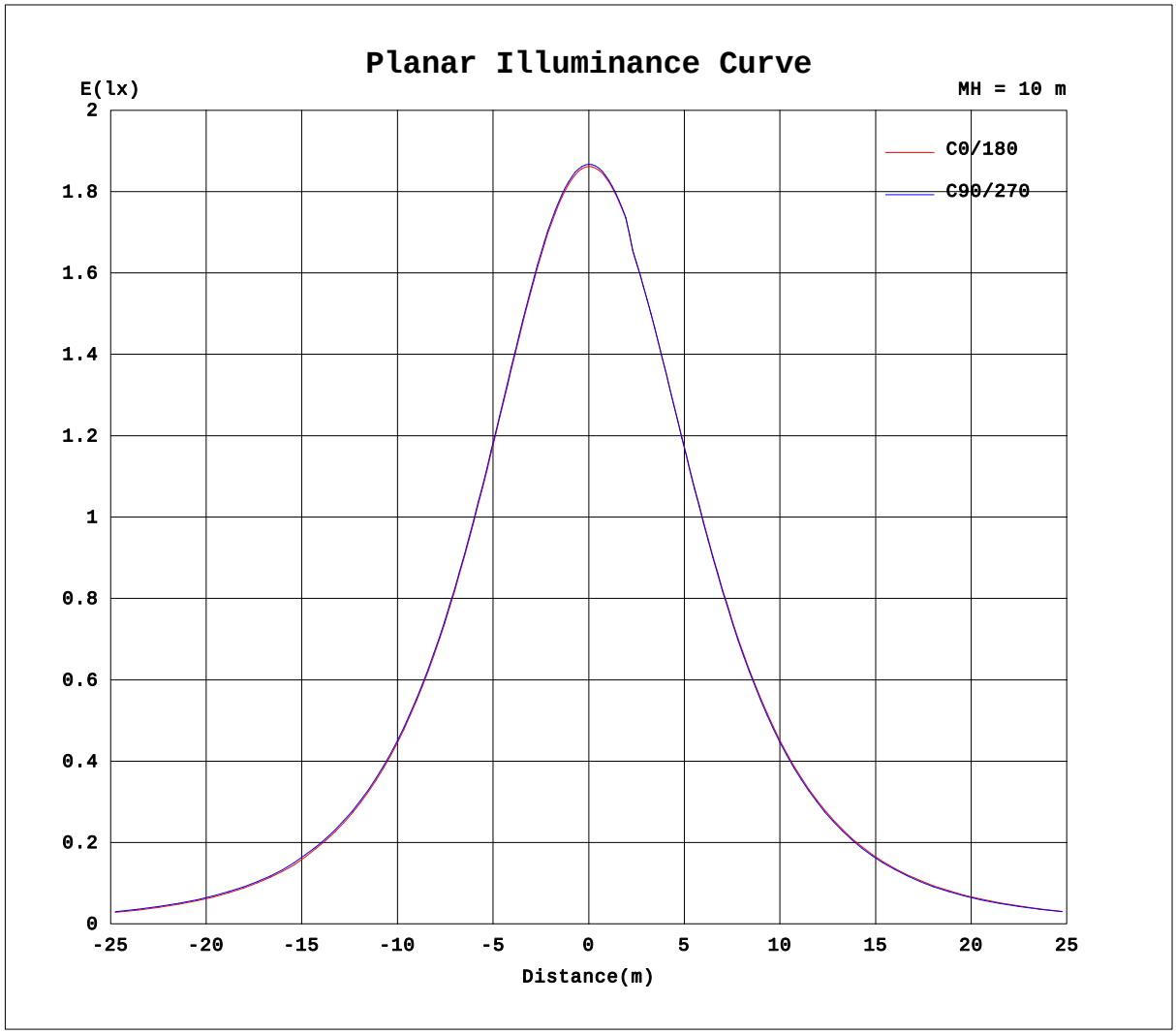
AvgL	cd/m2
L_0~180(65)av	40028
L_0~180(75)av	33739
L_0~180(85)av	20865
L_90~270(65)av	40283
L_90~270(75)av	34047
L_90~270(85)av	19611
L_45(65)av	40288
L_45(75)av	34065
L_45(85)av	21829

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	186	186	187	187	187	187	187	187	187	187	187	187	186	186	187	187	187	187	187
5	185	185	185	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186	186
10	183	183	183	184	183	184	184	184	184	184	184	184	184	184	184	184	184	184	184
15	179	176	179	176	179	176	180	177	180	177	180	178	177	181	177	181	177	181	177
20	174	171	174	171	174	171	174	172	175	172	175	173	172	176	173	176	173	175	172
25	167	164	167	164	167	165	168	165	168	166	169	166	166	169	166	169	166	169	166
30	159	156	159	156	159	157	160	157	160	158	161	159	159	161	159	161	159	161	158
35	149	147	149	147	150	148	150	148	151	149	152	150	150	152	150	152	149	152	149
40	138	136	139	137	139	137	140	138	141	139	141	139	139	142	139	142	139	141	138
45	126	124	126	125	127	125	128	126	129	127	130	128	128	130	128	130	127	129	126
50	113	111	113	112	114	112	115	113	116	114	116	115	115	117	115	116	114	116	113
55	98.3	97.1	98.9	97.8	99.6	98.6	100	99.6	102	100	102	101	101	102	101	102	100	101	99.3
60	81.3	81.9	82.0	82.8	82.9	83.7	83.9	84.7	84.9	85.5	85.5	85.8	86.1	85.5	85.7	85.0	84.9	84.1	84.0
65	65.2	65.9	66.1	67.0	67.2	68.1	68.3	69.1	69.2	69.8	69.6	69.9	70.1	69.6	69.6	68.9	68.8	68.0	67.9
70	48.7	49.5	49.7	50.7	50.9	52.0	52.1	53.0	52.9	53.5	53.2	53.5	53.6	53.0	53.0	52.3	52.2	51.3	51.3
75	32.5	33.3	33.6	34.5	34.7	35.7	35.8	36.6	36.6	37.2	36.8	37.0	37.3	36.6	36.6	35.8	35.6	34.7	34.7
80	17.7	18.6	18.9	19.7	19.7	20.4	20.4	21.2	21.3	22.0	21.7	21.7	22.0	21.4	21.4	20.5	20.2	19.2	19.1
85	5.64	6.44	6.72	7.35	7.31	7.61	7.39	8.19	8.42	9.02	8.76	8.78	8.91	8.40	8.44	7.74	7.51	6.64	6.29
90	0.00	0.00	0.00	0.00	0.01	0.04	0.02	0.22	0.23	0.37	0.22	0.04	0.00	0.01	0.06	0.01	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.998V I:0.2301A P:5.5220W PF:1.0000 Freq:0Hz Lamp Flux:539.309x1 lm		
NAME: HCP-3125484	TYPE:	WEIGHT:
SPEC.:2216-24V-240D-4MM 4000K 4.8W	DIM.:	SERIAL No.:
MFR.: HAVIT LIGHTING	SUR.:1000*4mm	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345
0	187	187	187	187	187
5	186	186	186	186	186
10	184	184	184	184	184
15	180	177	180	177	180
20	175	172	175	172	175
25	169	166	168	165	168
30	161	158	160	157	160
35	151	148	151	148	150
40	140	138	140	137	139
45	128	126	128	126	127
50	115	113	115	112	114
55	100	98.7	99.9	98.2	99.4
60	83.4	83.4	82.8	82.9	82.3
65	67.2	67.3	66.7	66.7	66.2
70	50.6	50.6	50.0	50.1	49.5
75	34.0	34.1	33.6	33.8	33.4
80	18.5	18.9	18.7	19.0	18.5
85	6.12	6.53	6.33	6.60	6.28
90	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Qin Meng
Test Date:2024-07-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:6.920m [K=1.0000]
Remarks: