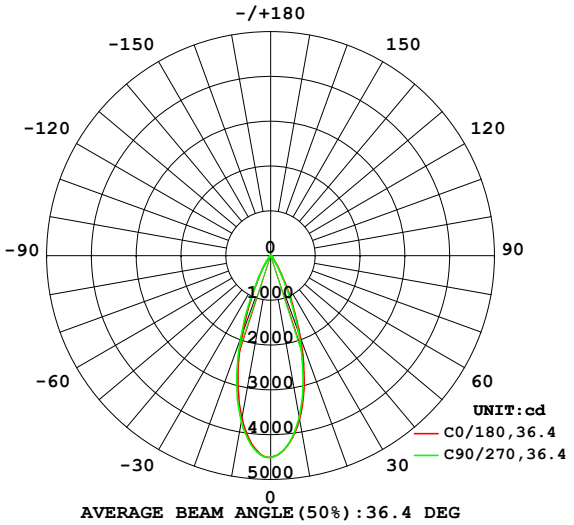
Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

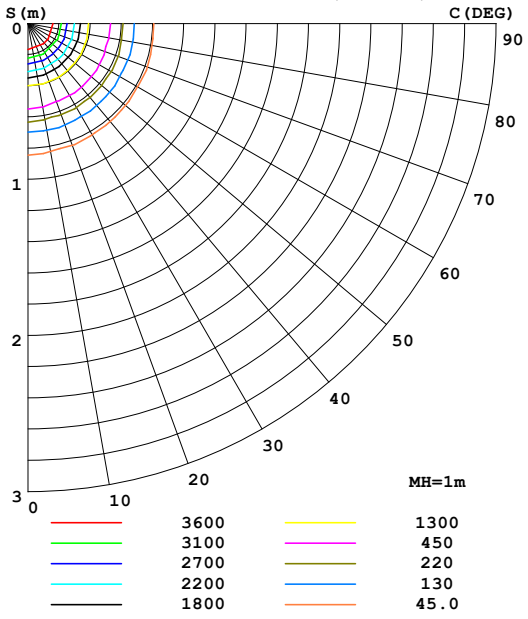
DATA OF LAMP		PHOTOMETRIC DATA Eff: 76.83 lm/W			
MODEL		Imax(cd)	4506	S/MH(C0/180)	0.58
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1867.6	η UP,DN(C0-180)	0.0,49.4
NOMINAL FLUX(lm)	1867.59	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.23	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.4 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [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	3718	3688	3667	3669	3694	3748	3777	3772	0- 10	390.9	390.9	20.9,20.9
20	1951	1883	1829	1811	1836	1867	1971	2032	10- 20	780.1	1171	62.7,62.7
30	493.7	451.1	432.7	447.3	429.8	429.6	473.3	522.3	20- 30	478.0	1649	88.3,88.3
40	96.86	81.98	74.34	74.39	74.95	77.08	91.61	102.8	30- 40	138.6	1788	95.7,95.7
50	27.71	25.71	24.25	24.28	25.10	26.37	28.12	28.36	40- 50	34.63	1822	97.6,97.6
60	18.87	18.37	17.74	17.29	17.69	18.80	19.86	19.62	50- 60	19.21	1842	98.6,98.6
70	12.18	11.39	10.72	10.62	10.98	11.76	12.69	12.78	60- 70	15.16	1857	99.4,99.4
80	5.265	4.732	4.342	4.283	4.533	4.943	5.502	5.574	70- 80	8.604	1865	99.9,99.9
90	0.0778	0.0623	0.0898	0.0667	0.0698	0.0642	0.0685	0.0564	80- 90	2.326	1868	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1809 lm

%lum = 96.9%
%lamp = 96.9%

Conical surface Flux(120deg): 1841.5 lm

%lum = 98.6%
%lamp = 98.6%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

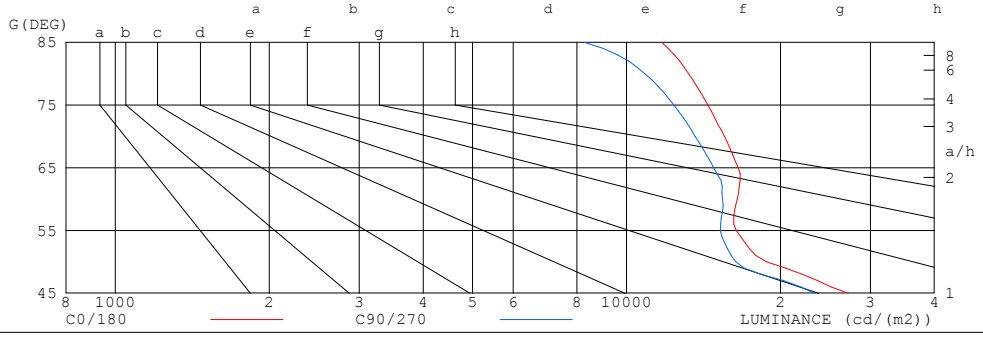
Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz **UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm**		
NAME: HCP-10X2501-5700K RA90 36D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 55mm**	**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	11716	8264
80	13229	10858
75	14425	12376
70	15537	13616
65	16527	14792
60	16468	15406
55	16393	15262
50	18808	16379
45	27162	23337

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

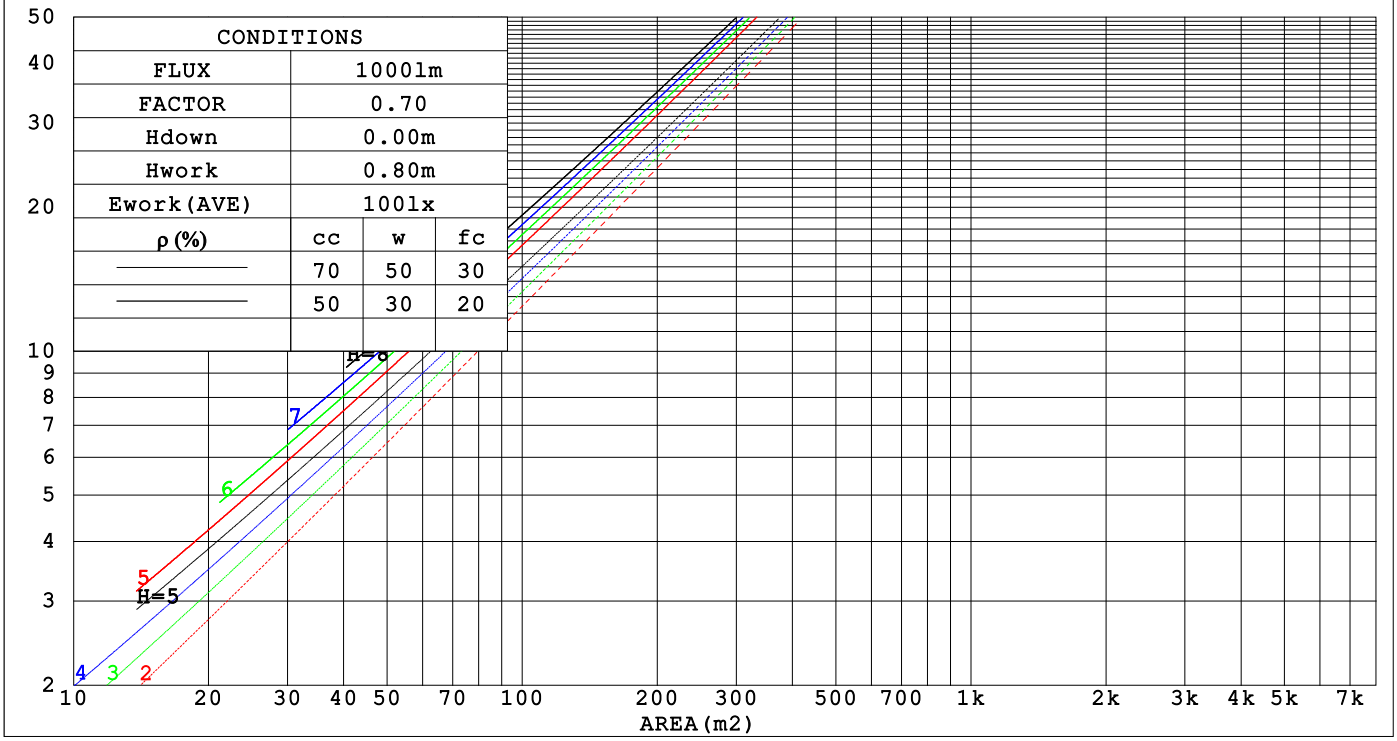
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	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	1.00
1.0	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.98	.98	.97	.95
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.90	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.82	.89	.85	.81	.87	.84	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.77	.85	.81	.77	.84	.80	.77	.83	.79	.76	.81	.78	.76	.74
7.0	.82	.77	.74	.82	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.74	.70	.78	.74	.70	.77	.73	.70	.76	.73	.70	.75	.72	.69	.68
9.0	.76	.71	.67	.75	.71	.67	.74	.70	.67	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.68	.65	.72	.68	.65	.72	.67	.65	.71	.67	.64	.70	.67	.64	.63

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

WEC AND CCEC

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	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	.159	.091	.029	.153	.087	.028	.140	.080	.026	.129	.074	.024	.118	.068	.022	
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.124	.069	.022	.115	.065	.020	
3.0	.140	.075	.022	.136	.073	.022	.127	.069	.021	.119	.065	.020	.111	.062	.019	
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018	
5.0	.125	.064	.018	.122	.062	.018	.115	.060	.018	.109	.058	.017	.103	.055	.017	
6.0	.119	.059	.017	.116	.058	.017	.110	.056	.016	.105	.054	.016	.100	.053	.016	
7.0	.113	.056	.016	.110	.055	.016	.105	.053	.015	.101	.052	.015	.096	.050	.015	
8.0	.108	.053	.015	.106	.052	.015	.101	.051	.014	.097	.049	.014	.093	.048	.014	
9.0	.103	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.013	.090	.046	.013	
10.0	.099	.047	.013	.097	.047	.013	.094	.046	.013	.090	.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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.069	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.118	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008	
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.033	.038	.027	.019	.012	.009	.006	
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.017	.011	.008	.005	
8.0	.097	.062	.039	.083	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005	
9.0	.091	.057	.034	.079	.049	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.087	.052	.029	.075	.045	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	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	17.5	18.3	17.7	18.5	18.6	17.0	17.8	17.2	17.9	18.1
	3H	18.0	18.8	18.3	19.0	19.1	17.5	18.2	17.7	18.4	18.6
	4H	18.3	19.0	18.5	19.2	19.4	17.7	18.4	17.9	18.6	18.8
	6H	18.5	19.1	18.8	19.4	19.6	17.8	18.5	18.1	18.7	19.0
	8H	18.5	19.2	18.8	19.4	19.7	17.9	18.5	18.2	18.8	19.0
	12H	18.6	19.2	18.9	19.4	19.7	17.9	18.5	18.2	18.8	19.0
4H	2H	17.6	18.3	17.9	18.5	18.7	17.1	17.8	17.4	18.0	18.2
	3H	18.3	18.9	18.6	19.1	19.4	17.7	18.4	18.1	18.6	18.9
	4H	18.6	19.2	19.0	19.5	19.8	18.1	18.6	18.4	18.9	19.2
	6H	18.9	19.4	19.3	19.7	20.1	18.3	18.8	18.7	19.1	19.5
	8H	19.0	19.5	19.4	19.8	20.2	18.4	18.9	18.8	19.2	19.6
	12H	19.1	19.5	19.5	19.9	20.3	18.4	18.9	18.8	19.2	19.6
8H	4H	18.7	19.1	19.1	19.5	19.8	18.2	18.6	18.6	19.0	19.3
	6H	19.1	19.4	19.5	19.8	20.2	18.5	18.9	18.9	19.3	19.7
	8H	19.2	19.6	19.7	20.0	20.4	18.7	19.0	19.1	19.4	19.8
	12H	19.3	19.6	19.8	20.1	20.5	18.7	19.0	19.2	19.5	19.9
12H	4H	18.7	19.1	19.1	19.4	19.8	18.2	18.6	18.6	18.9	19.3
	6H	19.1	19.4	19.5	19.8	20.3	18.5	18.9	19.0	19.3	19.7
	8H	19.3	19.5	19.7	20.0	20.4	18.7	19.0	19.2	19.4	19.9

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.6 / - 1.2	+ 1.3 / - 1.1
1.5H	+ 3.1 / - 1.1	+ 2.7 / - 1.1
2.0H	+ 0.8 / - 0.4	+ 0.6 / - 0.4

CIE Pub.117, 1868 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.2)
Area: 0.0023 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

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	89	83	79	88	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	90	86	83
1.00	100	95	91	99	94	91	98	94	90	87
1.25	104	99	96	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	100	97	93
2.00	109	105	102	107	104	101	105	102	99	94
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	107	105	98
5.00	115	113	111	113	111	110	109	108	107	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

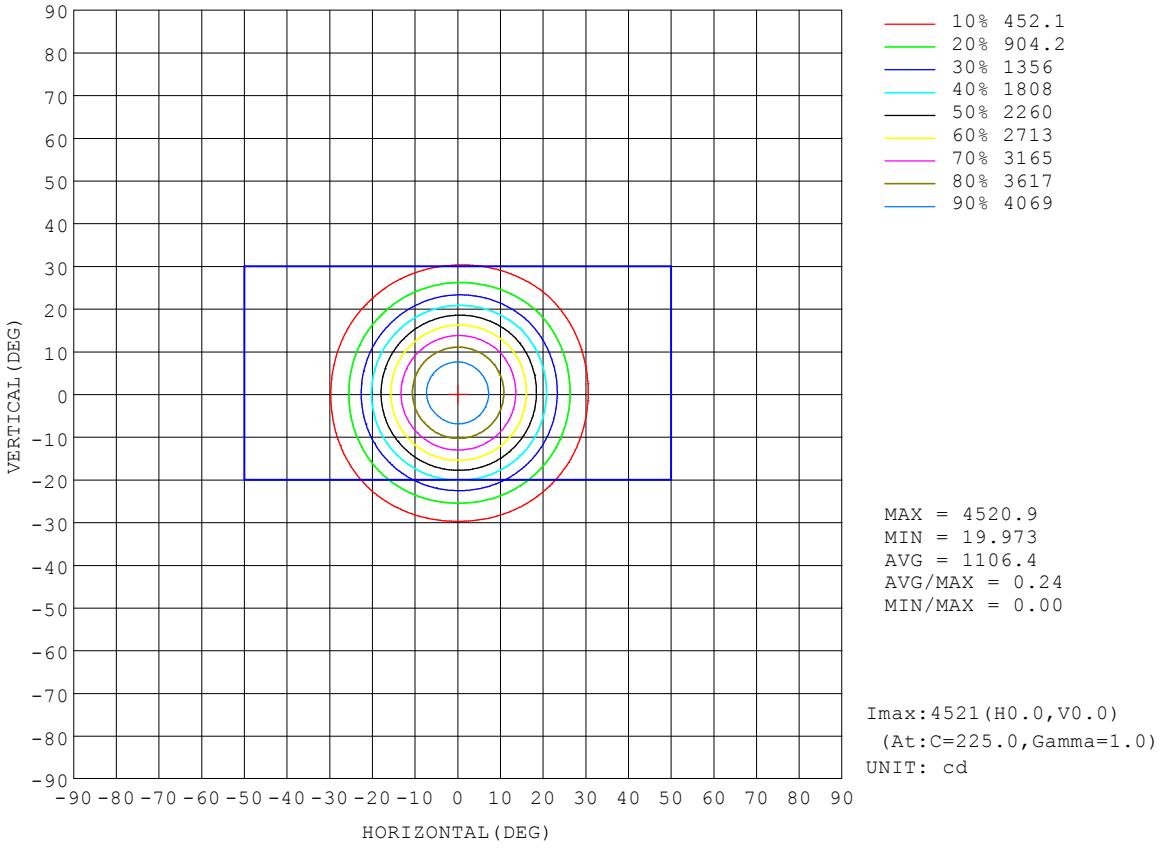
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

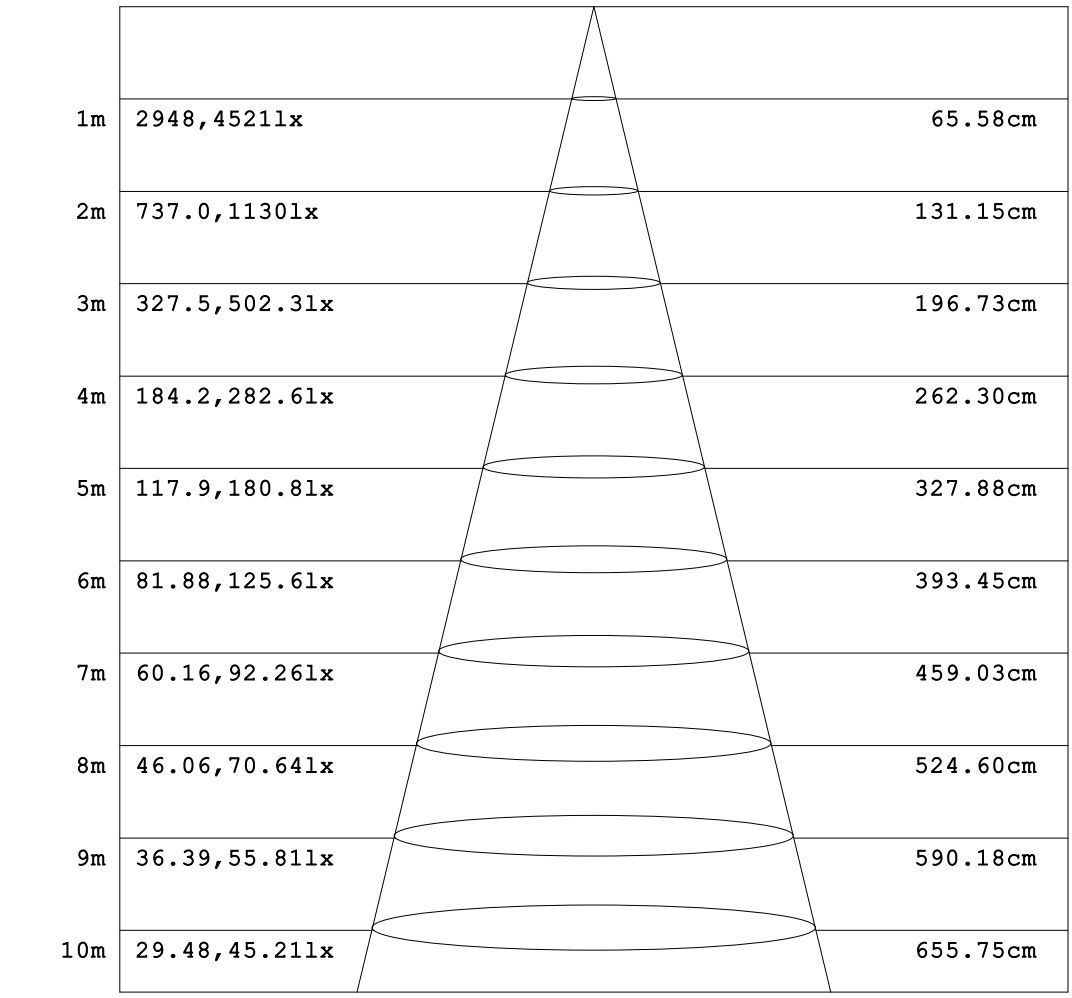
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

AAI Figure

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:1098 lm



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

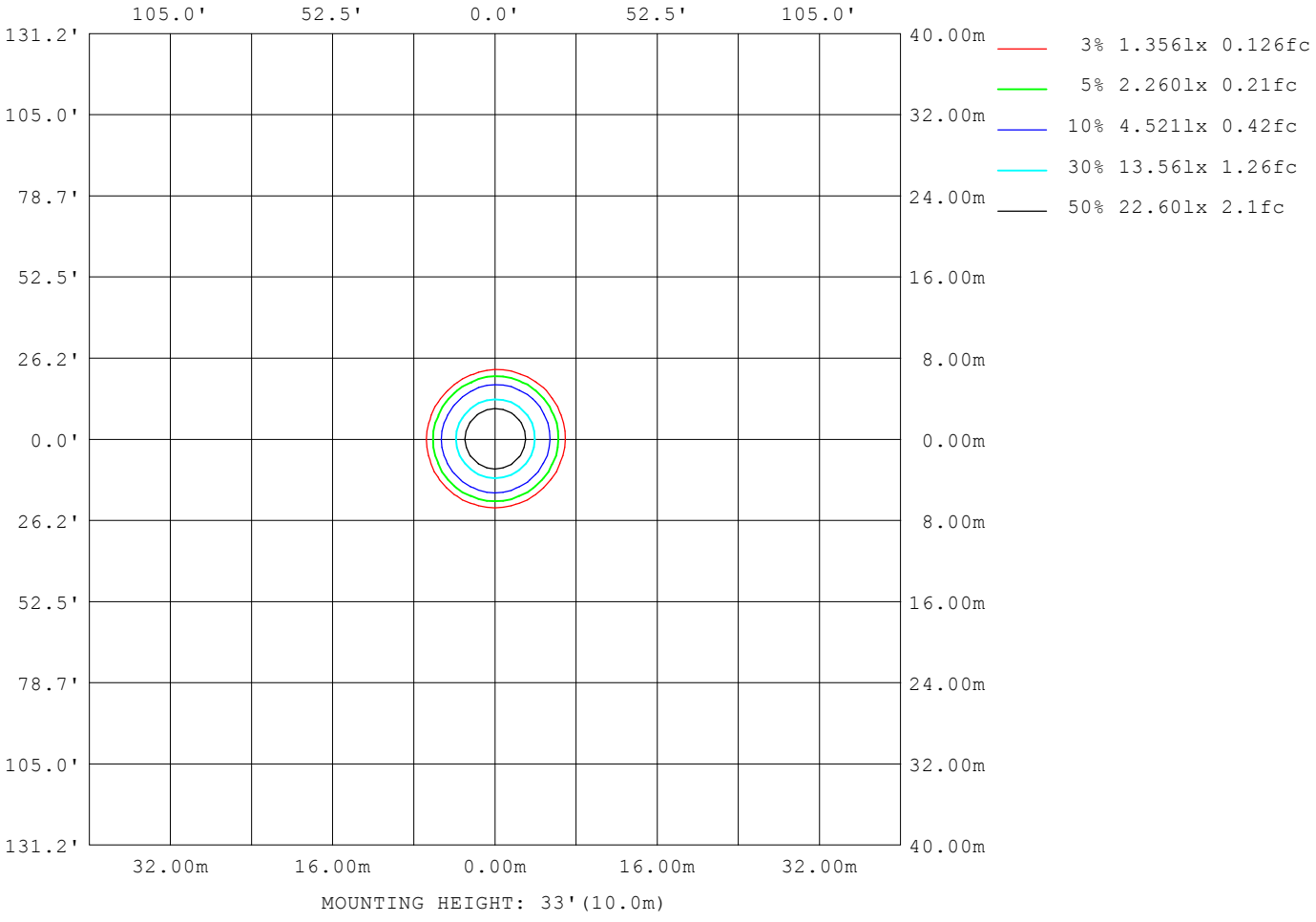
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz **UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm**		
NAME: HCP-10X2501-5700K RA90 36D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 55mm**	**Shielding Angle:**



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

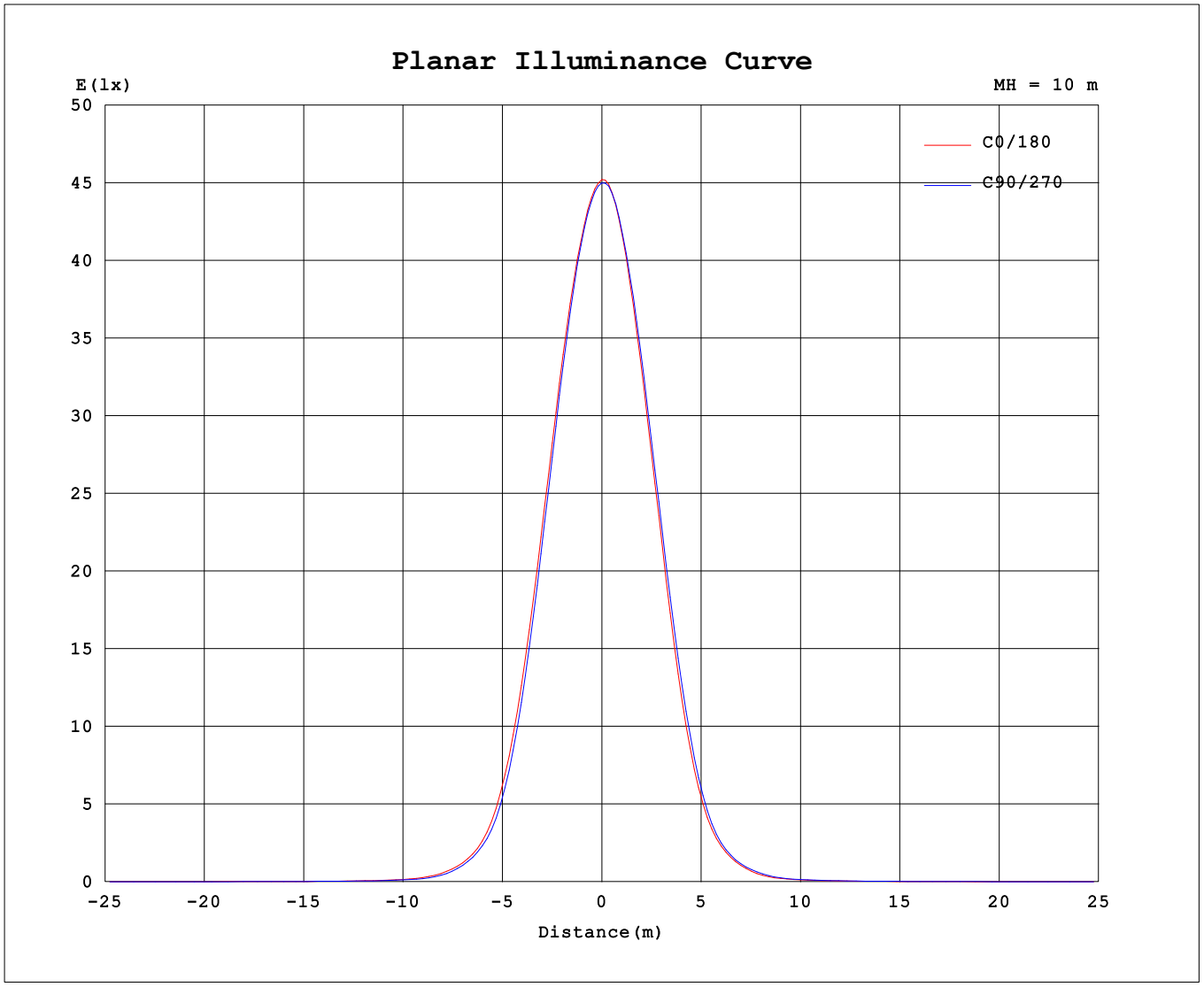
AvgL	cd/m2
L_0~180(65)av	15751
L_0~180(75)av	13568
L_0~180(85)av	10295
L_90~270(65)av	16036
L_90~270(75)av	13681
L_90~270(85)av	10258
L_45(65)av	15861
L_45(75)av	13602
L_45(85)av	10125

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1030A P:24.3W PF:0.9823 Freq:49.99Hz UTHDi:0.34% ITHDi:8.50% KDisp:0.9875 Lamp Flux:1867.59x1 lm		
NAME: HCP-10X2501-5700K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	45	90	135	180	225	270	315
0	4505	4505	4505	4505	4505	4505	4505	4505
5	4262	4262	4261	4269	4294	4308	4330	4301
10	3718	3688	3667	3669	3694	3748	3777	3772
15	2900	2839	2807	2807	2838	2870	2945	2981
20	1951	1883	1829	1811	1836	1867	1971	2032
25	1085	1018	968	976	971	983	1075	1130
30	494	451	433	447	430	430	473	522
35	224	207	194	203	192	189	215	239
40	96.9	82.0	74.3	74.4	75.0	77.1	91.6	103
45	44.0	40.0	38.0	38.5	39.1	40.5	43.5	45.7
50	27.7	25.7	24.2	24.3	25.1	26.4	28.1	28.4
55	21.5	20.8	20.2	19.6	19.9	21.0	22.3	22.2
60	18.9	18.4	17.7	17.3	17.7	18.8	19.9	19.6
65	16.0	15.1	14.4	14.2	14.6	15.6	16.8	16.7
70	12.2	11.4	10.7	10.6	11.0	11.8	12.7	12.8
75	8.56	7.88	7.38	7.30	7.60	8.19	8.91	9.02
80	5.26	4.73	4.34	4.28	4.53	4.94	5.50	5.57
85	2.34	1.94	1.66	1.59	1.79	2.06	2.45	2.52
90	0.08	0.06	0.09	0.07	0.07	0.06	0.07	0.06

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5700K RA90 36D WHITE

Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	4505	4505	4505	4505	4505	4505	4505	4505
3.0	4405	4403	4404	4417	4438	4442	4455	4438
6.0	4177	4173	4169	4178	4205	4224	4242	4213
9.0	3850	3824	3809	3812	3839	3886	3913	3900
12.0	3418	3382	3351	3349	3375	3425	3469	3486
15.0	2900	2839	2807	2807	2838	2870	2945	2981
18.0	2337	2263	2222	2211	2243	2272	2369	2423
21.0	1764	1700	1635	1619	1642	1666	1773	1834
24.0	1240	1173	1117	1119	1121	1140	1237	1288
27.0	807.8	746.5	704.2	721.6	706.7	709.7	786.5	857.9
30.0	493.7	451.1	432.7	447.3	429.8	429.6	473.3	522.3
33.0	302.7	282.4	269.2	280.4	265.7	263.0	292.0	323.8
36.0	191.9	173.0	163.4	167.4	161.8	159.7	182.1	205.4
39.0	115.2	99.17	92.57	91.44	91.28	94.21	109.8	123.3
42.0	67.66	57.44	51.96	52.30	53.38	55.58	64.12	71.53
45.0	44.02	40.01	38.00	38.52	39.13	40.51	43.47	45.71
48.0	33.91	31.20	28.24	27.92	29.09	31.17	33.87	34.65
51.0	25.83	24.43	23.22	23.17	23.91	25.07	26.40	26.39
54.0	22.53	21.64	20.79	20.10	20.52	21.74	23.12	23.12
57.0	20.22	19.76	19.22	18.68	19.07	20.09	21.16	20.93
60.0	18.87	18.37	17.74	17.29	17.69	18.80	19.86	19.62
63.0	17.34	16.68	15.99	15.64	16.07	17.14	18.23	18.07
66.0	15.22	14.38	13.66	13.46	13.88	14.82	15.89	15.94
69.0	12.93	12.13	11.44	11.32	11.70	12.51	13.48	13.56
72.0	10.67	9.950	9.363	9.253	9.598	10.29	11.14	11.23
75.0	8.556	7.884	7.376	7.298	7.597	8.188	8.912	9.016
78.0	6.535	5.950	5.516	5.451	5.714	6.198	6.824	6.910
81.0	4.644	4.146	3.776	3.717	3.953	4.340	4.858	4.932
84.0	2.891	2.470	2.165	2.108	2.314	2.612	3.033	3.101
87.0	1.267	0.9138	0.6444	0.5765	0.7365	0.9915	1.336	1.410
90.0	0.0778	0.0623	0.0898	0.0667	0.0698	0.0642	0.0685	0.0564

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks: