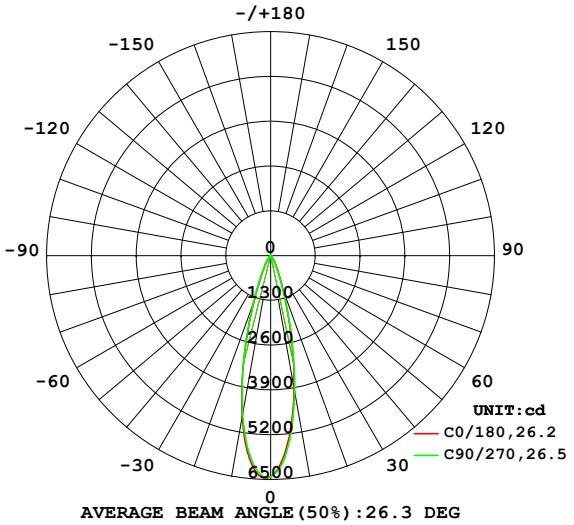
Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

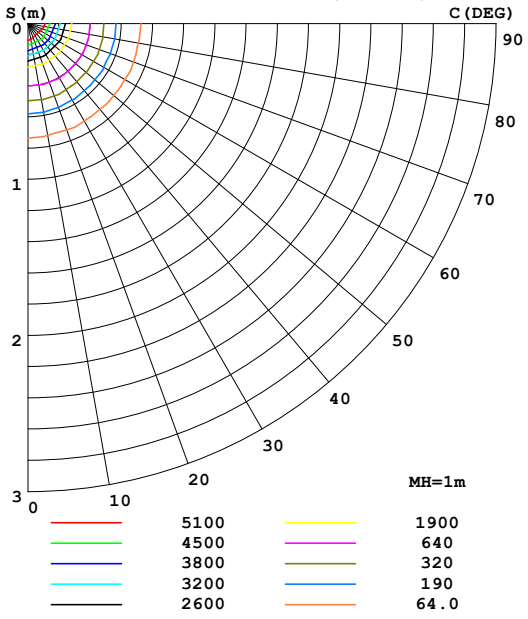
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 68.83 lm/W
MODEL		Imax(cd)	6473	S/MH(C0/180)	0.47
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1686.2	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1686.16	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.19	η down(%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):26.3 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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	3929	3855	4022	4417	4760	4891	4695	4282	0- 10	508.8	508.8	30.2,30.2
20	1047	1010	1044	1186	1447	1617	1489	1226	10- 20	712.9	1222	72.5,72.5
30	283.2	264.1	254.4	276.9	338.4	400.3	382.3	327.5	20- 30	291.2	1513	89.7,89.7
40	59.89	57.63	59.74	69.20	86.37	94.76	88.89	69.32	30- 40	107.8	1621	96.1,96.1
50	19.02	19.53	20.96	21.99	23.01	22.79	21.44	19.52	40- 50	29.07	1650	97.8,97.8
60	14.15	14.63	15.47	15.90	15.70	15.37	15.47	14.57	50- 60	15.54	1665	98.8,98.8
70	8.236	8.436	9.017	9.811	10.21	9.961	9.374	8.592	60- 70	12.20	1678	99.5,99.5
80	3.079	3.077	3.478	4.119	4.576	4.470	4.049	3.421	70- 80	6.727	1684	99.9,99.9
90	0.0794	0.0606	0.0821	0.0534	0.1023	0.2039	0.0612	0.0534	80- 90	1.812	1686	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): 1639.2 lm

%lum = 97.2%
%lamp = 97.2%

Conical surface Flux(120deg): 1665.4 lm

%lum = 98.8%
%lamp = 98.8%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

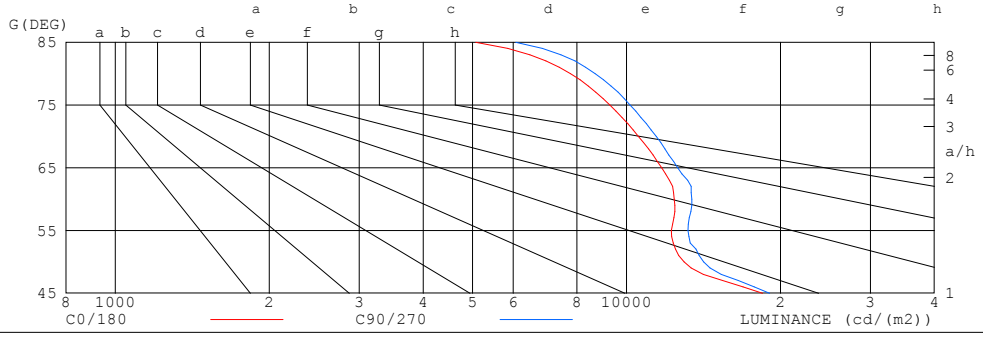
Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz **UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm**		
NAME: HCP-10X2501-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**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	5067	6070
80	7768	8686
75	9272	10163
70	10551	11435
65	11712	12600
60	12395	13415
55	12230	13194
50	12965	14145
45	18456	19062

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

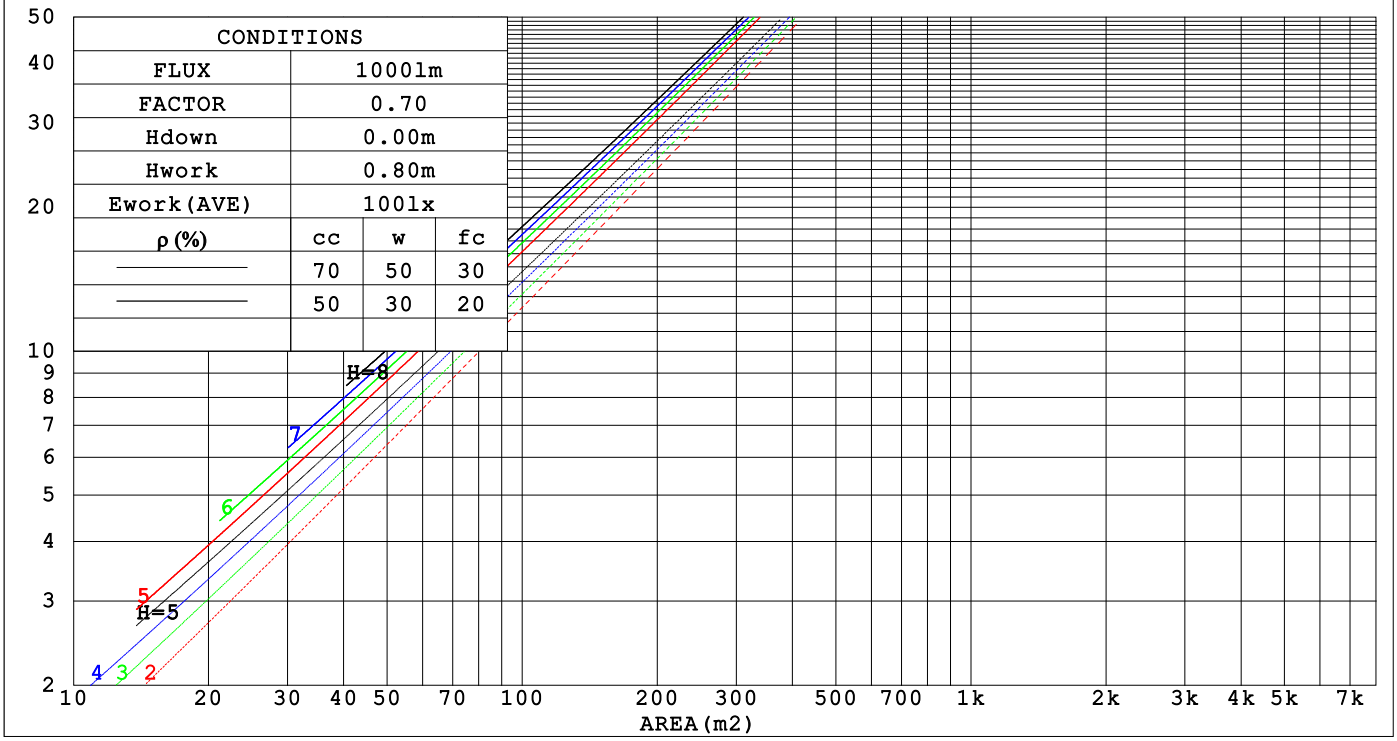
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	1.07	1.06	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.94	.93	.92
3.0	1.01	.97	.94	.00	.96	.93	.97	.94	.92	.95	.93	.90	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.88	.84	.90	.87	.84	.89	.85	.83	.87	.85	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.85	.82	.79	.78
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.80	.77	.82	.79	.77	.76
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.80	.76	.74	.73
9.0	.80	.76	.73	.80	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.72	.71
10.0	.77	.73	.70	.77	.73	.70	.76	.73	.70	.76	.72	.70	.75	.72	.70	.69

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:

WEC AND CCEC

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz **UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm**		
NAME: HCP-10X2501-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**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	.149	.085	.027	.143	.081	.026	.130	.075	.024	.119	.069	.022	.108	.063	.020	
2.0	.139	.076	.023	.134	.074	.023	.123	.069	.021	.114	.064	.020	.105	.059	.019	
3.0	.130	.069	.021	.125	.067	.020	.117	.063	.019	.109	.060	.018	.101	.056	.017	
4.0	.122	.063	.019	.118	.062	.018	.111	.059	.018	.104	.056	.017	.098	.053	.016	
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015	
6.0	.109	.055	.016	.106	.053	.015	.100	.051	.015	.095	.050	.015	.091	.048	.014	
7.0	.103	.051	.014	.101	.050	.014	.096	.049	.014	.092	.047	.014	.087	.045	.013	
8.0	.098	.048	.014	.096	.047	.013	.092	.046	.013	.088	.045	.013	.084	.043	.013	
9.0	.094	.045	.013	.092	.045	.013	.088	.044	.012	.085	.043	.012	.081	.041	.012	
10.0	.090	.043	.012	.088	.043	.012	.085	.042	.012	.082	.041	.012	.079	.040	.011	

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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.138	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.099	.068	.046	.085	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006	
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005	
9.0	.087	.056	.035	.075	.049	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004	
10.0	.082	.051	.030	.071	.044	.027	.049	.031	.019	.029	.018	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-3000K RA90 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	15.2	15.9	15.4	16.1	16.2	15.1	15.8	15.3	15.9	16.1
	3H	15.7	16.4	16.0	16.6	16.8	15.7	16.4	16.0	16.6	16.8
	4H	16.0	16.6	16.2	16.8	17.0	16.0	16.6	16.3	16.8	17.1
	6H	16.1	16.7	16.4	17.0	17.2	16.2	16.8	16.5	17.0	17.3
	8H	16.1	16.7	16.4	17.0	17.2	16.2	16.8	16.5	17.1	17.3
	12H	16.1	16.7	16.5	17.0	17.2	16.2	16.8	16.5	17.1	17.3
4H	2H	15.4	16.0	15.6	16.2	16.4	15.2	15.9	15.5	16.1	16.3
	3H	16.1	16.6	16.4	16.9	17.2	16.1	16.6	16.4	16.9	17.1
	4H	16.4	16.9	16.7	17.2	17.5	16.4	16.9	16.8	17.2	17.5
	6H	16.6	17.1	17.0	17.4	17.7	16.7	17.2	17.1	17.5	17.8
	8H	16.7	17.1	17.1	17.4	17.8	16.8	17.2	17.2	17.6	17.9
	12H	16.7	17.1	17.1	17.4	17.8	16.8	17.2	17.2	17.6	18.0
8H	4H	16.5	16.9	16.9	17.2	17.6	16.5	16.9	16.9	17.3	17.6
	6H	16.8	17.1	17.2	17.5	17.9	16.9	17.2	17.3	17.6	18.0
	8H	16.9	17.2	17.3	17.6	18.0	17.0	17.3	17.4	17.7	18.1
	12H	16.9	17.2	17.4	17.6	18.1	17.0	17.3	17.5	17.7	18.2
12H	4H	16.4	16.8	16.8	17.2	17.6	16.5	16.9	16.9	17.2	17.6
	6H	16.8	17.1	17.2	17.5	17.9	16.9	17.2	17.3	17.6	18.0
	8H	16.9	17.1	17.3	17.6	18.0	17.0	17.3	17.5	17.7	18.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.4 / - 1.1	+ 1.1 / - 1.0
1.5H	+ 2.8 / - 1.1	+ 2.4 / - 0.8
2.0H	+ 0.6 / - 0.4	+ 0.6 / - 0.5

CIE Pub.117, 1686 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.8)
Area: 0.0023 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-3000K RA90 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	80	89	83	79	88	83	79	76
0.80	96	91	87	96	90	87	95	90	87	83
1.00	100	95	92	99	95	91	98	94	91	87
1.25	104	99	96	103	99	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	97
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	

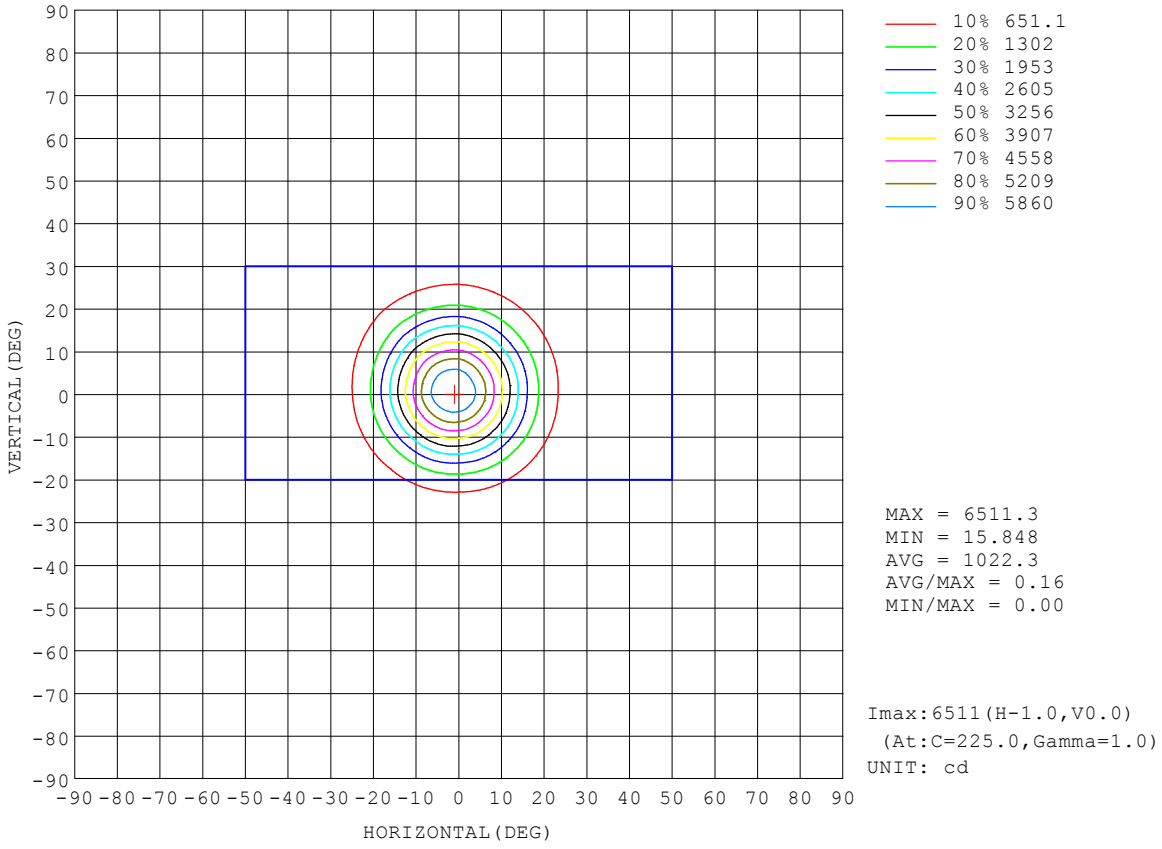
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-3000K RA90 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz **UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm**		
NAME: HCP-10X2501-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**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:2023-11-21

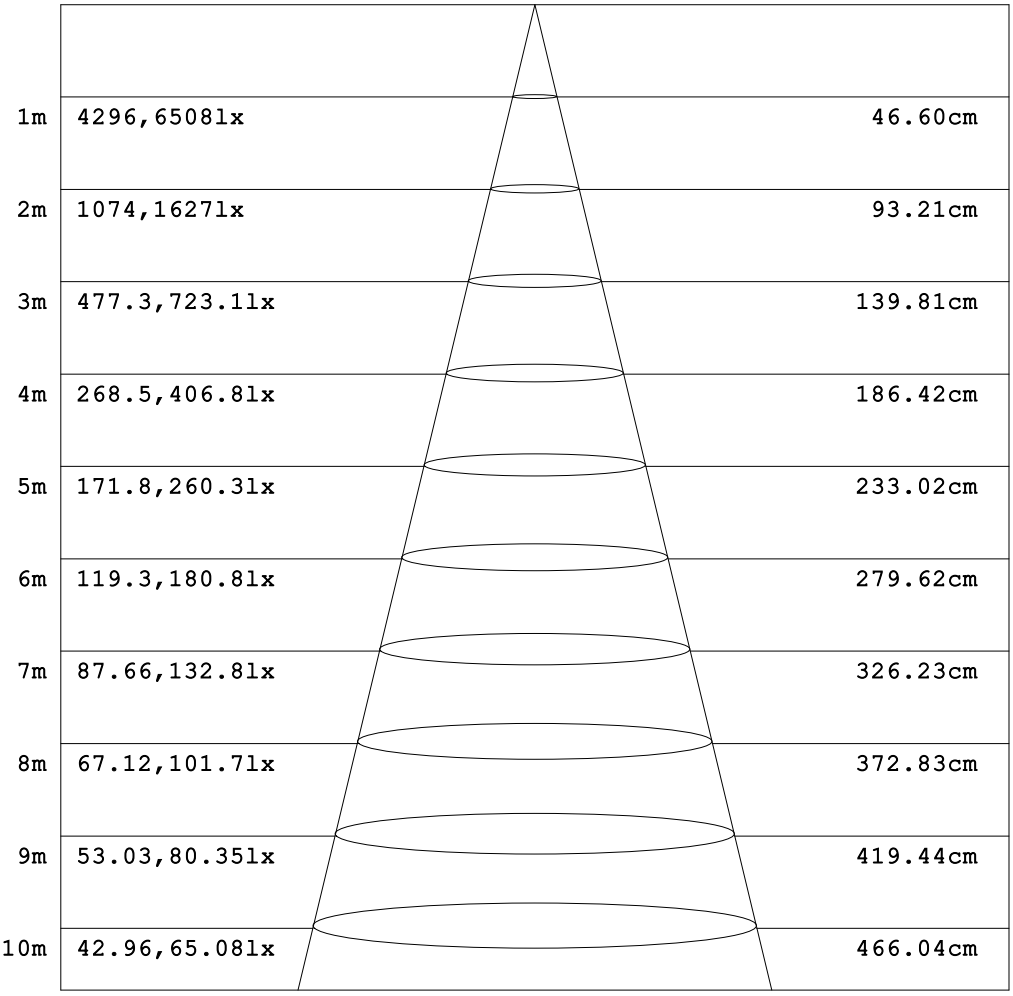
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-3000K RA90 24D WHITE

AAI Figure

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz **UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm**		
NAME: HCP-10X2501-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 55mm**	**Shielding Angle:**

Flux out:838.9 lm



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

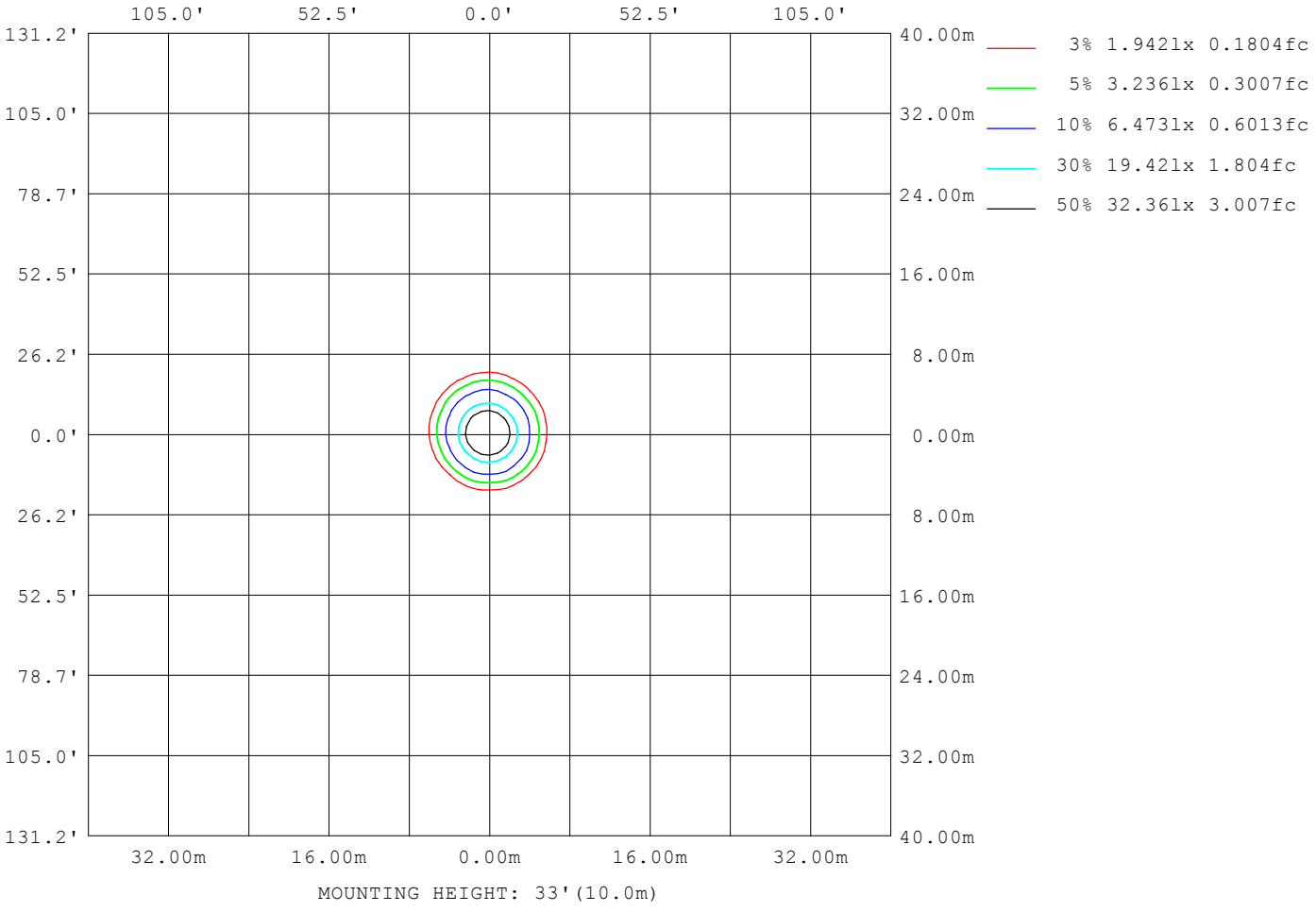
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-3000K RA90 24D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz **UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm**		
NAME: HCP-10X2501-3000K RA90 24D WHITE	**TYPE:**	**WEIGHT:**
SPEC.: 25W	**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:2023-11-21

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:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

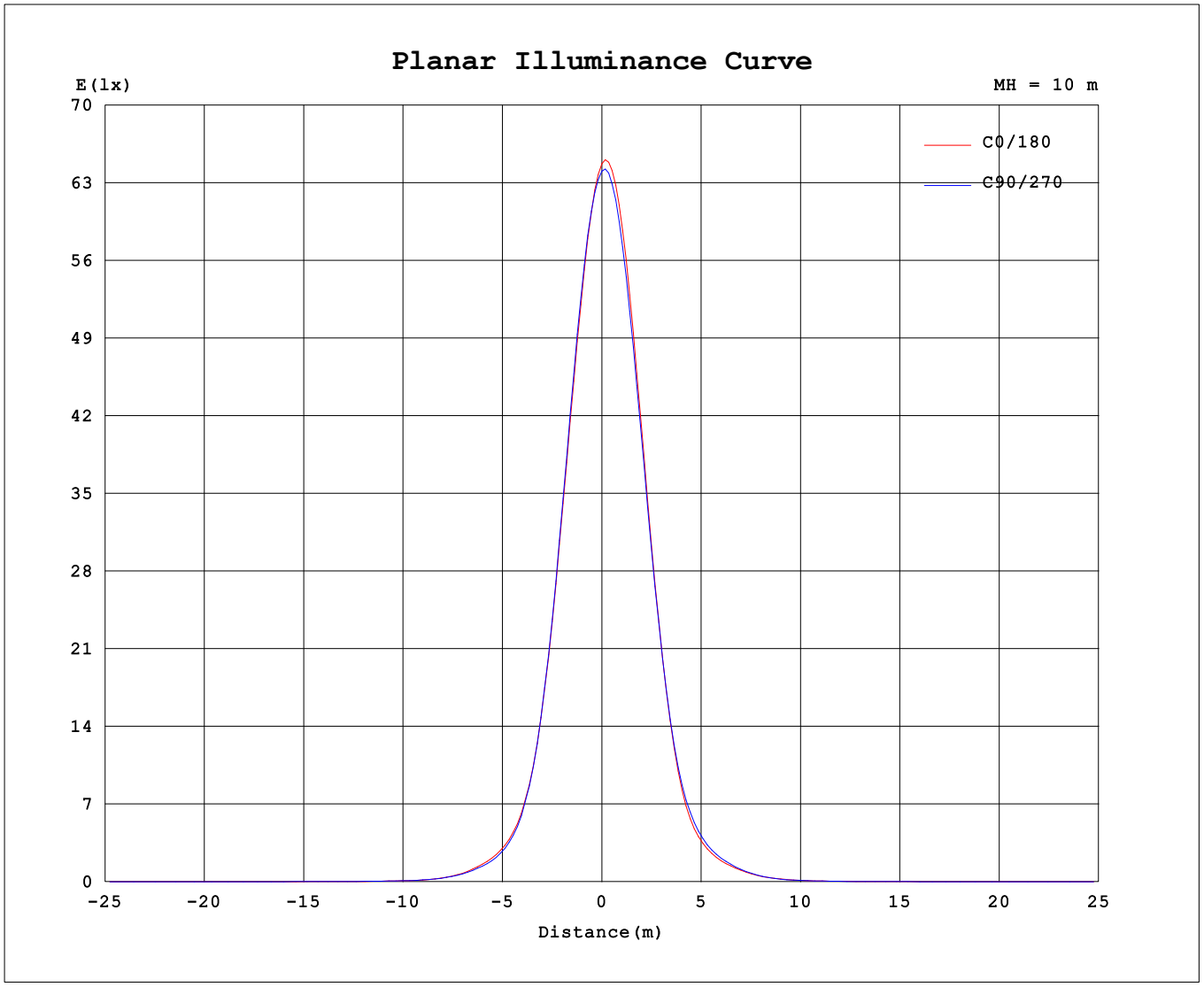
AvgL	cd/m2
L_0~180(65)av	12720
L_0~180(75)av	10675
L_0~180(85)av	8069
L_90~270(65)av	12863
L_90~270(75)av	10579
L_90~270(85)av	7725
L_45(65)av	12745
L_45(75)av	10609
L_45(85)av	7744

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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:2023-11-21

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-10X2501-3000K RA90 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1039A P:24.5W PF:0.9817 Freq:49.99Hz UTHDi:0.25% ITHDi:7.67% KDisp:0.9879 Lamp Flux:1686.16x1 lm		
NAME: HCP-10X2501-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	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	6423	6423	6423	6423	6423	6423	6423	6423
5	5535	5503	5639	5911	6122	6164	6036	5768
10	3929	3855	4022	4417	4760	4891	4695	4282
15	2234	2187	2277	2589	2966	3169	2965	2551
20	1047	1010	1044	1186	1447	1617	1489	1226
25	513	490	481	531	639	763	720	605
30	283	264	254	277	338	400	382	328
35	142	134	134	151	190	218	207	169
40	59.9	57.6	59.7	69.2	86.4	94.8	88.9	69.3
45	29.8	29.8	31.1	34.4	39.0	39.7	36.2	31.3
50	19.0	19.5	21.0	22.0	23.0	22.8	21.4	19.5
55	16.0	16.6	17.4	17.6	17.3	17.1	17.3	16.5
60	14.1	14.6	15.5	15.9	15.7	15.4	15.5	14.6
65	11.3	11.6	12.3	13.1	13.4	13.1	12.7	11.7
70	8.24	8.44	9.02	9.81	10.2	9.96	9.37	8.59
75	5.48	5.58	6.06	6.80	7.23	7.06	6.53	5.83
80	3.08	3.08	3.48	4.12	4.58	4.47	4.05	3.42
85	1.01	0.90	1.22	1.77	2.23	2.20	1.88	1.34
90	0.08	0.06	0.08	0.05	0.10	0.20	0.06	0.05

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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-10X2501-3000K RA90 24D 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	6423	6423	6423	6423	6423	6423	6423	6423
3.0	6015	5997	6086	6260	6389	6416	6330	6159
6.0	5250	5205	5368	5678	5924	5979	5832	5519
9.0	4275	4207	4382	4767	5097	5207	5016	4616
12.0	3225	3158	3299	3687	4056	4226	4015	3580
15.0	2234	2187	2277	2589	2966	3169	2965	2551
18.0	1439	1403	1454	1666	1995	2170	2023	1674
21.0	908.8	860.9	896.9	995.7	1220	1383	1277	1053
24.0	584.3	558.7	553.2	612.0	740.4	889.0	823.6	690.4
27.0	401.2	379.4	367.1	403.2	486.7	583.5	552.2	467.0
30.0	283.2	264.1	254.4	276.9	338.4	400.3	382.3	327.5
33.0	193.8	182.2	176.4	199.2	240.9	280.4	269.2	228.1
36.0	120.6	114.0	113.5	130.5	163.2	187.5	177.6	143.3
39.0	71.88	68.22	70.69	80.80	102.0	113.3	106.7	84.75
42.0	42.76	42.24	43.76	50.89	61.77	65.36	60.20	47.64
45.0	29.79	29.77	31.08	34.40	38.96	39.69	36.22	31.34
48.0	21.58	21.81	23.65	26.09	28.16	28.39	26.44	22.93
51.0	18.18	18.66	20.12	20.86	21.16	20.75	19.99	18.64
54.0	16.44	16.94	17.95	18.13	17.95	17.81	17.75	16.84
57.0	15.39	15.88	16.66	16.97	16.67	16.35	16.49	15.76
60.0	14.15	14.63	15.47	15.90	15.70	15.37	15.47	14.57
63.0	12.57	12.95	13.79	14.47	14.42	14.09	13.92	13.04
66.0	10.66	10.96	11.59	12.45	12.78	12.46	11.94	11.03
69.0	8.829	9.048	9.643	10.45	10.84	10.56	9.988	9.189
72.0	7.096	7.247	7.788	8.563	8.977	8.763	8.184	7.441
75.0	5.478	5.579	6.065	6.795	7.231	7.060	6.531	5.827
78.0	3.996	4.038	4.471	5.155	5.599	5.469	5.006	4.341
81.0	2.636	2.618	3.000	3.622	4.077	3.992	3.587	2.976
84.0	1.397	1.318	1.649	2.214	2.671	2.627	2.286	1.733
87.0	0.2513	0.1192	0.3822	0.9037	1.358	1.363	1.092	0.5954
90.0	0.0794	0.0606	0.0821	0.0534	0.1023	0.2039	0.0612	0.0534

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-21

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: