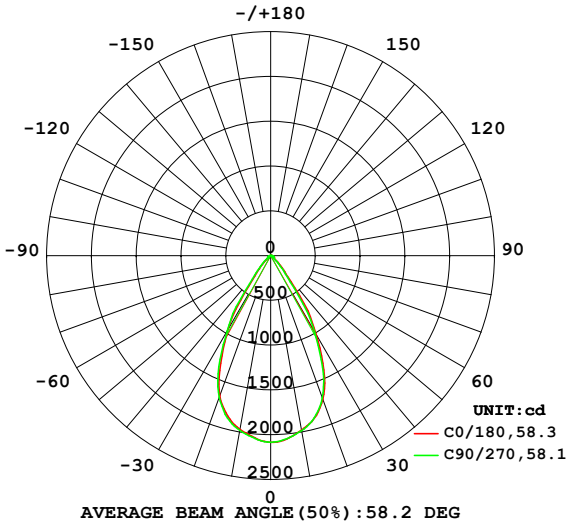
Photometric Filename: HCP-10X2501-5000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

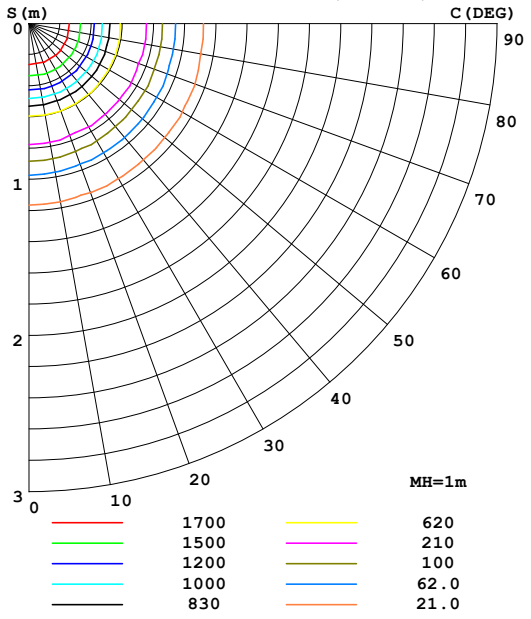
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 77.20 lm/W	
MODEL		Imax(cd)	2083	S/MH(C0/180)	0.87
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.88
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1882.5	η UP,DN(C0-180)	0.0,50.4
NOMINAL FLUX(lm)	1882.52	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.12	η down(%)	100.0	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):58.2 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D WHITE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1980	1988	1986	1985	1971	1974	1983	1987	0- 10	193.4	193.4	10.3,10.3
20	1704	1725	1691	1677	1663	1662	1682	1698	10- 20	523.1	716.5	38.1,38.1
30	1015	1020	978.6	965.2	952.2	952.1	976.1	998.7	20- 30	618.5	1335	70.9,70.9
40	270.8	250.1	234.3	226.9	223.7	231.0	251.4	254.7	30- 40	356.6	1692	89.9,89.9
50	63.54	59.28	52.28	48.48	48.25	51.27	58.52	61.72	40- 50	100.9	1793	95.2,95.2
60	36.77	35.88	34.40	33.71	33.87	34.74	35.98	36.81	50- 60	36.79	1829	97.2,97.2
70	25.51	24.37	22.98	22.49	22.72	23.67	25.19	25.91	60- 70	30.00	1859	98.8,98.8
80	11.48	10.68	9.705	9.344	9.590	10.35	11.42	11.80	70- 80	18.21	1878	99.7,99.7
90	0.0976	0.0934	0.1119	0.1019	0.1101	0.1001	0.1010	0.0932	80- 90	4.953	1883	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): 1758.2 lm

%lum = 93.4%
%lamp = 93.4%

Conical surface Flux(120deg): 1829.4 lm

%lum = 97.2%
%lamp = 97.2%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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:

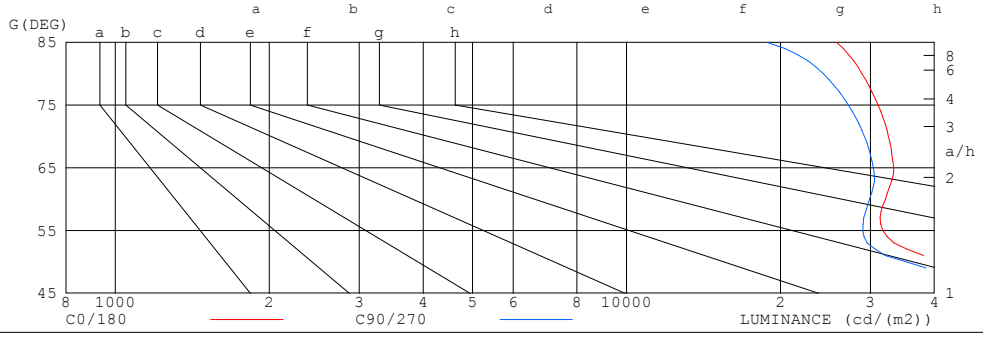
Photometric Filename: HCP-10X2501-5000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz **UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm**		
NAME: HCP-10X2501-5000K RA90 60D 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	25764	18811
80	28838	24272
75	31067	27170
70	32546	29174
65	33317	30390
60	32090	29877
55	31731	28963
50	43140	35325
45	90134	73819

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D WHITE

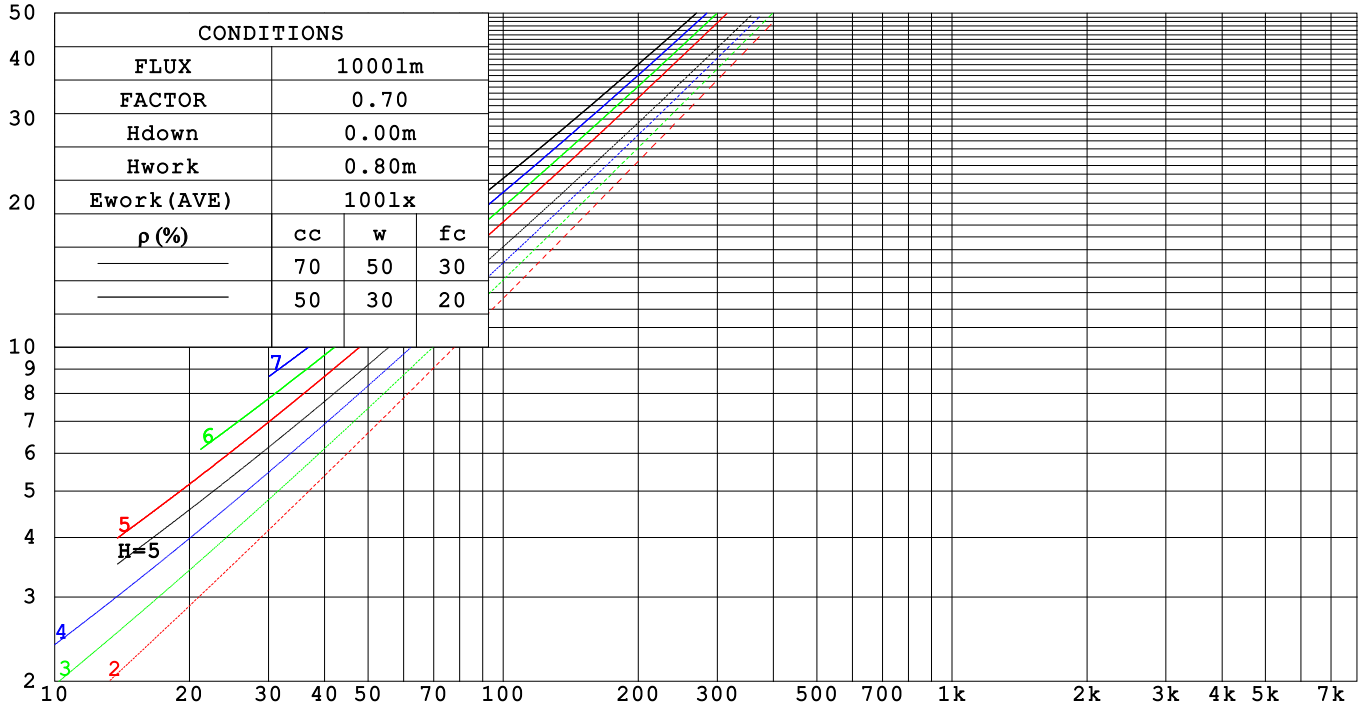
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D 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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.94	1.00	.97	.93	.97	.94	.91	.94	.92	.89	.91	.89	.87	.86
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.89	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.87	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.72	.82	.76	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.67	.77	.71	.67	.75	.70	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.72	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.61	.60
8.0	.69	.63	.59	.68	.63	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.64	.58	.55	.63	.58	.55	.62	.58	.54	.53
10.0	.62	.56	.52	.61	.55	.52	.60	.55	.52	.59	.55	.51	.59	.54	.51	.50

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D WHITE

WEC AND CCEC

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D 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	.189	.107	.034	.182	.104	.033	.169	.097	.031	.158	.091	.029	.147	.085	.027	
2.0	.179	.098	.030	.174	.096	.029	.163	.091	.028	.153	.086	.027	.144	.081	.026	
3.0	.170	.090	.027	.165	.088	.027	.156	.084	.026	.147	.081	.025	.139	.077	.024	
4.0	.161	.084	.025	.157	.082	.024	.149	.079	.024	.141	.076	.023	.135	.073	.022	
5.0	.153	.078	.023	.149	.076	.022	.142	.074	.022	.136	.072	.021	.130	.069	.021	
6.0	.145	.073	.021	.142	.072	.021	.136	.070	.020	.130	.068	.020	.125	.066	.020	
7.0	.138	.068	.019	.135	.067	.019	.130	.066	.019	.125	.064	.019	.120	.062	.018	
8.0	.132	.064	.018	.129	.064	.018	.125	.062	.018	.120	.061	.018	.116	.059	.017	
9.0	.126	.061	.017	.124	.060	.017	.120	.059	.017	.116	.058	.017	.112	.057	.016	
10.0	.121	.058	.016	.119	.057	.016	.115	.056	.016	.111	.055	.016	.108	.054	.016	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.135	.114	.096	.092	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.145	.114	.088	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.135	.099	.071	.116	.086	.062	.080	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.126	.087	.059	.109	.076	.051	.075	.053	.036	.043	.031	.021	.014	.010	.007	
6.0	.119	.078	.049	.102	.068	.043	.071	.047	.030	.041	.028	.018	.013	.009	.006	
7.0	.113	.071	.041	.097	.061	.036	.067	.043	.026	.039	.025	.015	.013	.008	.005	
8.0	.107	.065	.036	.092	.056	.031	.064	.039	.022	.037	.023	.013	.012	.008	.004	
9.0	.102	.059	.031	.088	.052	.027	.061	.036	.019	.035	.021	.011	.011	.007	.004	
10.0	.097	.055	.027	.084	.048	.024	.058	.034	.017	.034	.020	.010	.011	.007	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D 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	24.2	25.2	24.4	25.3	25.5	23.8	24.8	24.1	25.0	25.2
3H	24.4	25.3	24.7	25.5	25.7	24.1	25.0	24.3	25.2	25.4
4H	24.6	25.4	24.9	25.7	25.9	24.2	25.1	24.5	25.3	25.5
6H	24.7	25.5	25.0	25.7	26.0	24.3	25.1	24.6	25.3	25.6
8H	24.7	25.5	25.0	25.8	26.0	24.3	25.1	24.6	25.3	25.6
12H	24.8	25.5	25.1	25.8	26.0	24.3	25.0	24.6	25.3	25.6
4H 2H	24.1	25.0	24.4	25.2	25.4	23.8	24.6	24.1	24.9	25.1
3H	24.5	25.2	24.8	25.5	25.8	24.2	24.9	24.5	25.2	25.4
4H	24.7	25.4	25.1	25.7	26.0	24.4	25.1	24.7	25.4	25.7
6H	25.0	25.6	25.3	25.9	26.2	24.6	25.2	24.9	25.5	25.8
8H	25.1	25.6	25.4	26.0	26.3	24.6	25.2	25.0	25.5	25.9
12H	25.1	25.6	25.5	26.0	26.4	24.6	25.1	25.1	25.5	25.9
8H 4H	24.8	25.3	25.2	25.7	26.0	24.4	25.0	24.8	25.3	25.7
6H	25.1	25.5	25.5	25.9	26.3	24.7	25.2	25.1	25.5	26.0
8H	25.2	25.6	25.7	26.0	26.5	24.8	25.2	25.3	25.6	26.1
12H	25.3	25.7	25.8	26.1	26.6	24.9	25.2	25.3	25.6	26.1
12H 4H	24.7	25.2	25.2	25.6	26.0	24.4	24.9	24.8	25.3	25.7
6H	25.1	25.5	25.5	25.9	26.3	24.7	25.1	25.2	25.5	26.0
8H	25.2	25.6	25.7	26.0	26.5	24.8	25.2	25.3	25.6	26.1

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 2.0 / - 1.9	+ 1.6 / - 1.8
1.5H	+ 3.7 / - 2.0	+ 3.2 / - 1.9
2.0H	+ 2.4 / - 0.7	+ 1.9 / - 0.6

CIE Pub.117, 1883 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:2023-11-22

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-10X2501-5000K RA90 60D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D 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	85	79	75	85	78	75	84	78	74	71
0.80	93	87	83	92	86	83	91	86	82	78
1.00	98	92	88	97	91	87	95	91	87	83
1.25	102	96	92	101	96	92	99	94	91	87
1.50	105	99	96	103	99	95	101	97	94	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	104	109	106	103	106	103	101	95
4.00	113	110	108	111	109	106	107	105	104	97
5.00	115	112	110	112	110	109	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

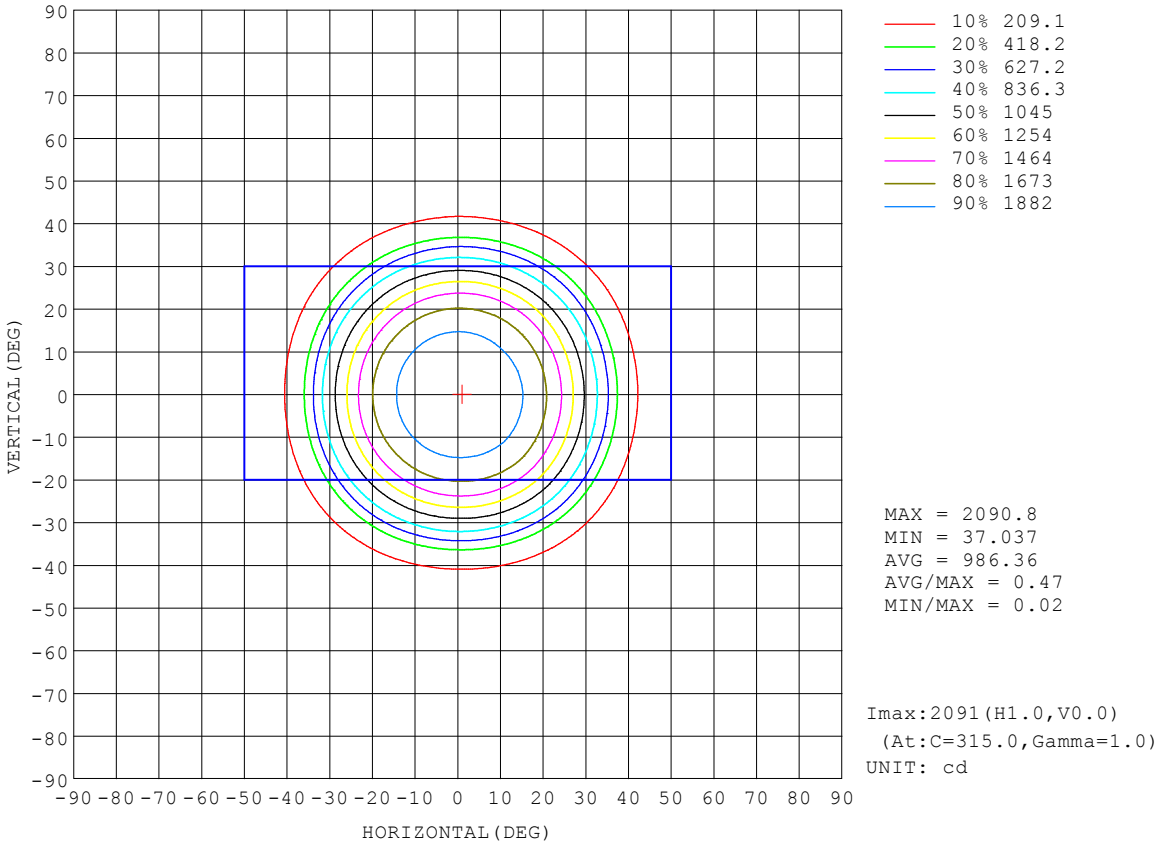
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D 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:2023-11-22

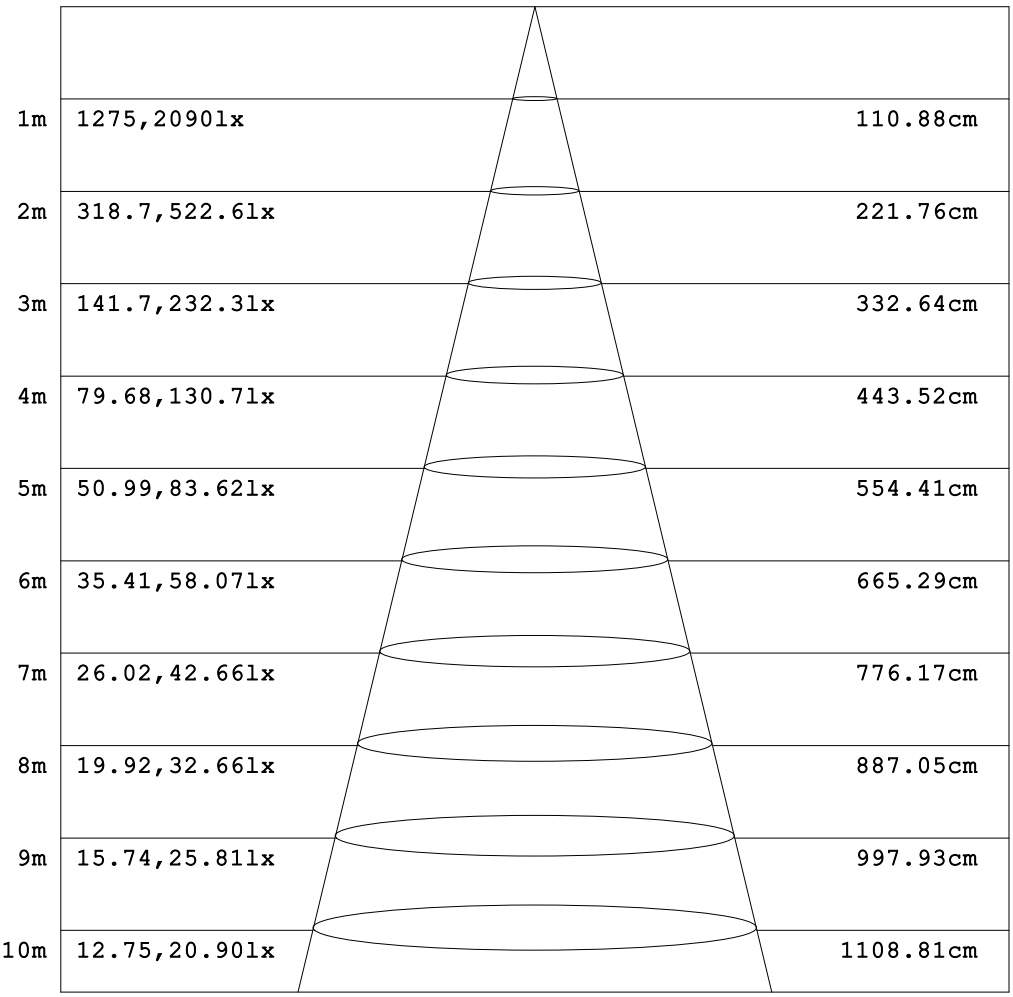
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5000K RA90 60D WHITE

AAI Figure

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:1335 lm



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

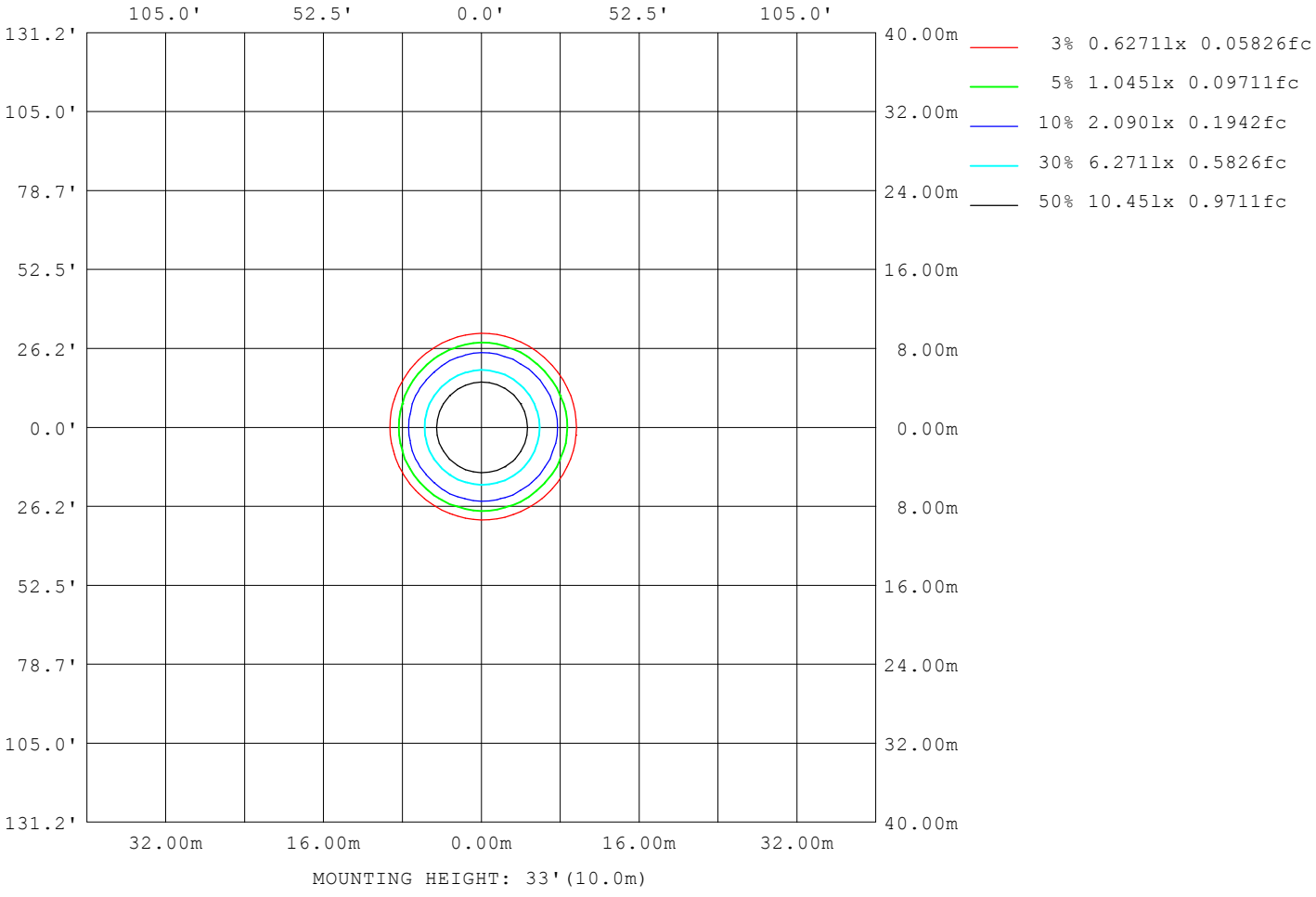
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D 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:2023-11-22

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:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

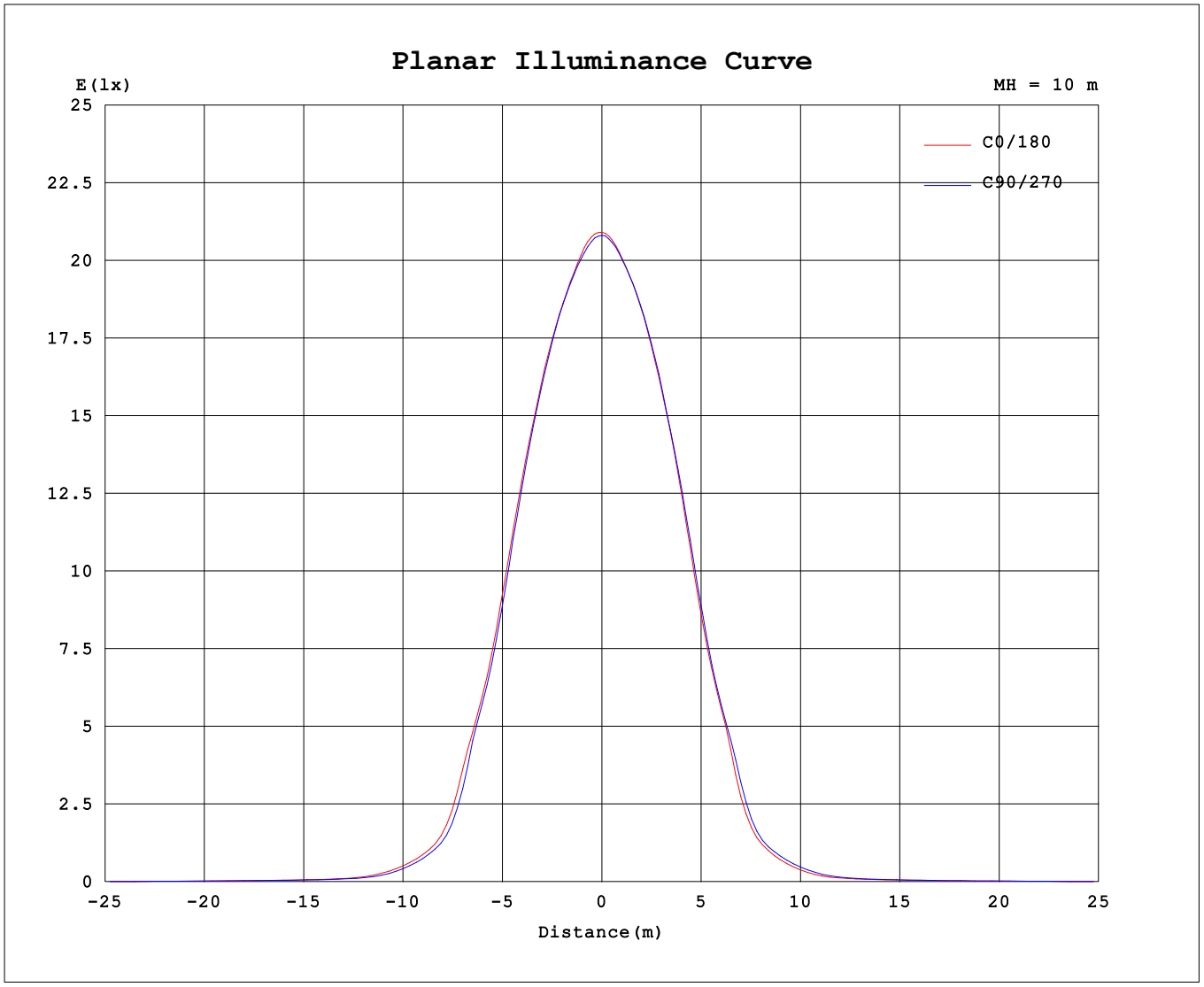
AvgL	cd/m2
L_0~180(65)av	31556
L_0~180(75)av	28968
L_0~180(85)av	21703
L_90~270(65)av	31467
L_90~270(75)av	28942
L_90~270(85)av	21882
L_45(65)av	31526
L_45(75)av	28960
L_45(85)av	21744

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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:2023-11-22

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-10X2501-5000K RA90 60D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1034A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.25% ITHDi:8.21% KDisp:0.9883 Lamp Flux:1882.52x1 lm		
NAME: HCP-10X2501-5000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	2083	2083	2083	2083	2083	2083	2083	2083
5	2058	2055	2051	2050	2043	2043	2048	2057
10	1980	1988	1986	1985	1971	1974	1983	1987
15	1882	1892	1878	1872	1855	1864	1875	1881
20	1704	1725	1691	1677	1663	1662	1682	1698
25	1410	1419	1373	1347	1326	1333	1371	1399
30	1015	1020	979	965	952	952	976	999
35	658	618	548	521	499	515	585	632
40	271	250	234	227	224	231	251	255
45	146	133	120	108	109	117	135	137
50	63.5	59.3	52.3	48.5	48.2	51.3	58.5	61.7
55	41.7	40.6	38.3	37.4	37.4	38.3	40.4	41.5
60	36.8	35.9	34.4	33.7	33.9	34.7	36.0	36.8
65	32.3	31.1	29.6	28.9	29.1	30.1	31.6	32.5
70	25.5	24.4	23.0	22.5	22.7	23.7	25.2	25.9
75	18.4	17.4	16.2	15.8	16.1	16.9	18.3	18.8
80	11.5	10.7	9.70	9.34	9.59	10.4	11.4	11.8
85	5.15	4.54	3.77	3.42	3.56	4.16	5.00	5.31
90	0.10	0.09	0.11	0.10	0.11	0.10	0.10	0.09

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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-10X2501-5000K RA90 60D 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	2083	2083	2083	2083	2083	2083	2083	2083
3.0	2076	2074	2072	2071	2067	2065	2069	2074
6.0	2042	2041	2040	2038	2029	2030	2035	2044
9.0	1996	2001	2000	2000	1987	1991	1997	2002
12.0	1946	1956	1951	1949	1933	1938	1947	1949
15.0	1882	1892	1878	1872	1855	1864	1875	1881
18.0	1784	1804	1778	1765	1753	1757	1767	1779
21.0	1658	1676	1640	1625	1607	1608	1632	1652
24.0	1481	1494	1452	1428	1404	1411	1443	1475
27.0	1255	1260	1210	1191	1165	1179	1209	1245
30.0	1015	1020	978.6	965.2	952.2	952.1	976.1	998.7
33.0	814.7	801.2	771.1	746.0	717.8	729.2	774.8	791.8
36.0	547.8	508.2	451.1	430.3	410.8	424.8	483.5	524.4
39.0	314.9	287.7	265.3	255.3	251.8	259.9	284.4	295.8
42.0	213.7	196.0	183.4	173.1	172.0	180.4	200.9	200.6
45.0	146.1	133.3	120.2	108.3	109.0	117.5	135.1	136.8
48.0	91.49	82.93	70.36	62.60	62.34	68.03	81.71	86.36
51.0	55.00	52.80	46.44	44.43	44.09	46.37	51.92	53.65
54.0	43.57	42.18	39.44	38.41	38.33	39.62	42.04	43.31
57.0	39.10	38.15	36.51	35.76	35.95	36.75	38.24	39.07
60.0	36.77	35.88	34.40	33.71	33.87	34.74	35.98	36.81
63.0	34.39	33.42	31.98	31.22	31.38	32.42	33.69	34.51
66.0	30.93	29.75	28.29	27.69	27.86	28.85	30.36	31.22
69.0	26.90	25.74	24.35	23.80	24.04	25.00	26.53	27.29
72.0	22.69	21.58	20.27	19.82	20.08	21.01	22.42	23.10
75.0	18.43	17.42	16.19	15.80	16.06	16.94	18.27	18.80
78.0	14.21	13.32	12.23	11.88	12.13	12.93	14.12	14.57
81.0	10.18	9.390	8.467	8.115	8.343	9.075	10.08	10.45
84.0	6.354	5.715	4.906	4.568	4.743	5.366	6.240	6.572
87.0	2.793	2.272	1.564	1.145	1.181	1.715	2.526	2.849
90.0	0.0976	0.0934	0.1119	0.1019	0.1101	0.1001	0.1010	0.0932

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-22

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: