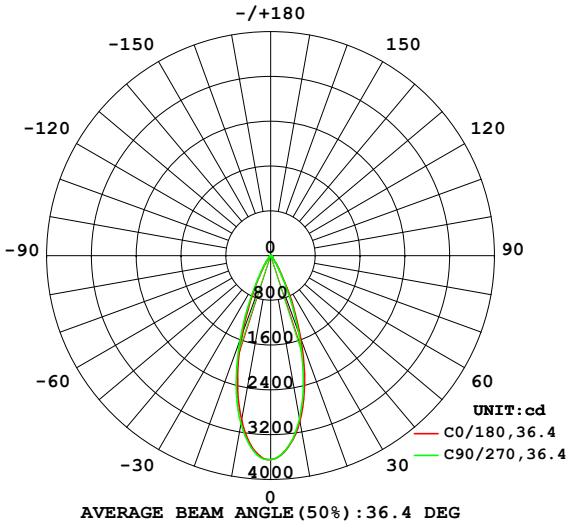
Photometric Filename: HCP-10X2501-5000K RA90 36D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

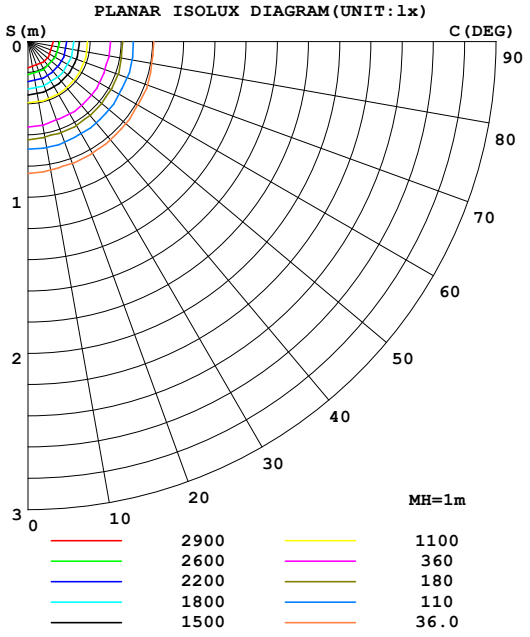
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 82.84 lm/W	
MODEL		Imax(cd)	3646	S/MH(C0/180)	0.58
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1510.4	η UP,DN(C0-180)	0.0,49.4
NOMINAL FLUX(lm)	1510.4	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.6
LAMPS INSIDE	1	η up(%)	0.0	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	3010	2985	2964	2962	2989	3039	3059	3050	0- 10	316.4	316.4	20.9,20.9
20	1580	1530	1474	1455	1485	1519	1599	1637	10- 20	631.3	947.7	62.7,62.7
30	399.1	367.7	347.7	355.0	346.5	352.5	384.3	418.1	20- 30	386.2	1334	88.3,88.3
40	78.49	66.72	59.65	59.14	60.34	62.96	74.29	83.46	30- 40	111.9	1446	95.7,95.7
50	22.39	20.79	19.57	19.68	20.26	21.34	22.75	22.92	40- 50	27.94	1474	97.6,97.6
60	15.23	14.85	14.34	13.96	14.28	15.20	16.06	15.85	50- 60	15.53	1489	98.6,98.6
70	9.859	9.199	8.680	8.561	8.869	9.535	10.27	10.34	60- 70	12.25	1502	99.4,99.4
80	4.257	3.823	3.502	3.445	3.655	4.008	4.453	4.506	70- 80	6.953	1509	99.9,99.9
90	0.0629	0.0466	0.0691	0.0521	0.0523	0.0478	0.0543	0.0450	80- 90	1.878	1510	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): 1463 lm

%lum = 96.9%
%lamp = 96.9%

Conical surface Flux(120deg): 1489.3 lm

%lum = 98.6%
%lamp = 98.6%

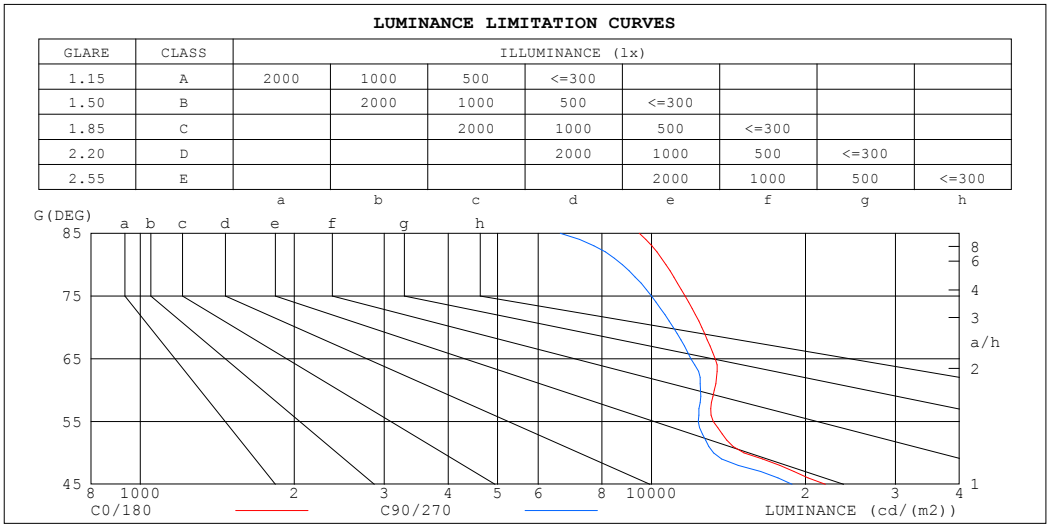
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-5000K RA90 36D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz **UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm**		
NAME: HCP-10X2501-5000K RA90 36D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 55mm**	**Shielding Angle:**



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	9468	6626
80	10669	8764
75	11634	9996
70	12545	11029
65	13325	11936
60	13260	12463
55	13213	12350
50	15157	13233
45	21875	18823

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-10X2501-5000K RA90 36D WHITE

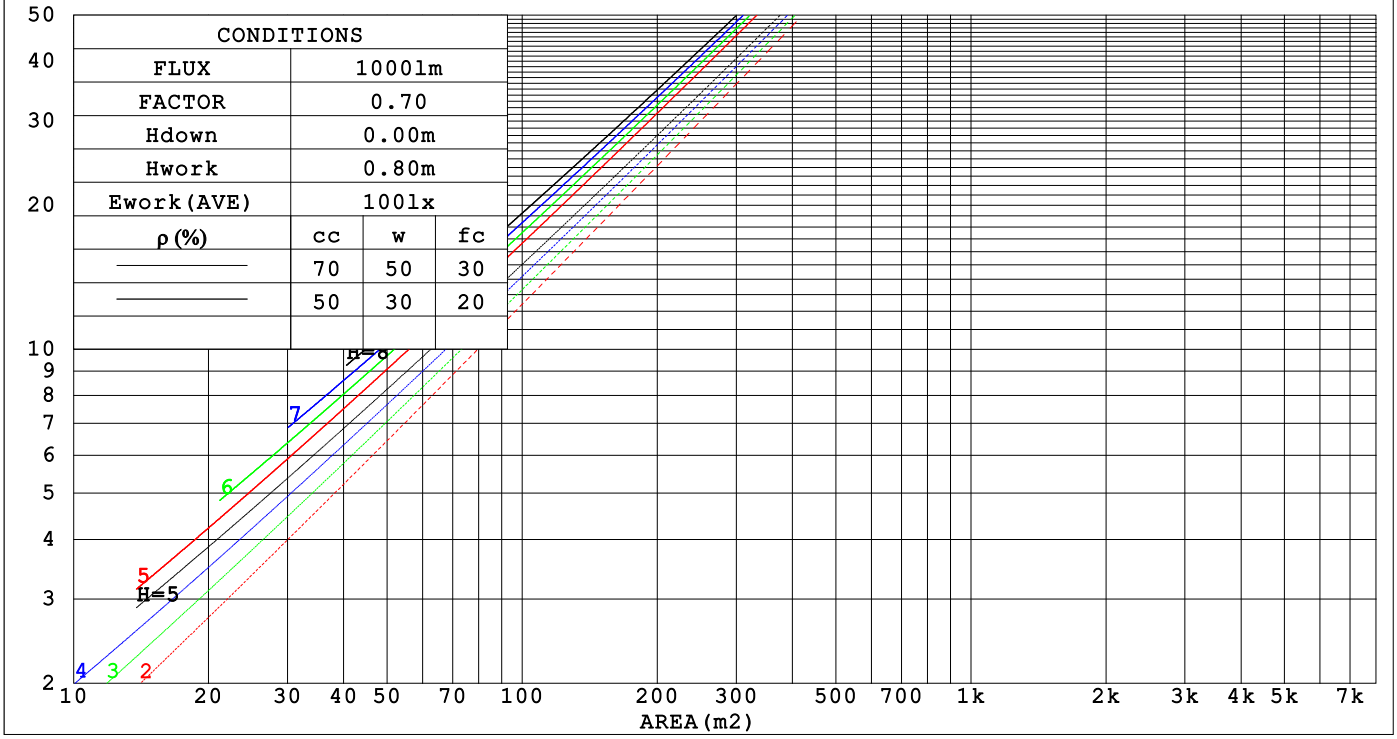
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K 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	.98	.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	.82	.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	.70	.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-10X2501-5000K RA90 36D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K 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	.135	.073	.022	.127	.069	.021	.119	.065	.020	.111	.061	.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-10X2501-5000K RA90 36D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K 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	16.8	17.6	17.0	17.7	17.9	16.2	17.0	16.5	17.2	17.3
3H	17.3	18.0	17.5	18.2	18.4	16.7	17.4	17.0	17.6	17.8
4H	17.5	18.2	17.8	18.4	18.7	16.9	17.6	17.2	17.8	18.1
6H	17.7	18.4	18.0	18.6	18.9	17.1	17.7	17.4	18.0	18.2
8H	17.8	18.4	18.1	18.7	18.9	17.1	17.8	17.4	18.0	18.3
12H	17.8	18.4	18.1	18.7	19.0	17.1	17.8	17.5	18.0	18.3
4H 2H	16.9	17.6	17.1	17.8	18.0	16.3	17.0	16.6	17.3	17.5
3H	17.5	18.1	17.8	18.4	18.7	17.0	17.6	17.3	17.9	18.1
4H	17.9	18.4	18.2	18.7	19.0	17.3	17.9	17.7	18.2	18.5
6H	18.2	18.7	18.5	19.0	19.3	17.6	18.1	18.0	18.4	18.7
8H	18.3	18.7	18.7	19.1	19.4	17.7	18.1	18.1	18.5	18.8
12H	18.3	18.8	18.7	19.1	19.5	17.7	18.1	18.1	18.5	18.9
8H 4H	17.9	18.4	18.3	18.7	19.1	17.4	17.9	17.8	18.2	18.6
6H	18.3	18.7	18.8	19.1	19.5	17.8	18.2	18.2	18.6	19.0
8H	18.5	18.8	18.9	19.2	19.7	17.9	18.2	18.4	18.7	19.1
12H	18.6	18.9	19.1	19.3	19.8	18.0	18.3	18.4	18.7	19.2
12H 4H	17.9	18.3	18.3	18.7	19.1	17.4	17.8	17.8	18.2	18.6
6H	18.3	18.7	18.8	19.1	19.5	17.8	18.1	18.2	18.5	19.0
8H	18.5	18.8	19.0	19.2	19.7	17.9	18.2	18.4	18.7	19.1
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					+ 2.6 / - 1.1				
2.0H	+ 0.8 / - 0.4					+ 0.6 / - 0.4				

CIE Pub.117, 1510 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.4)
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-10X2501-5000K RA90 36D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K 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	

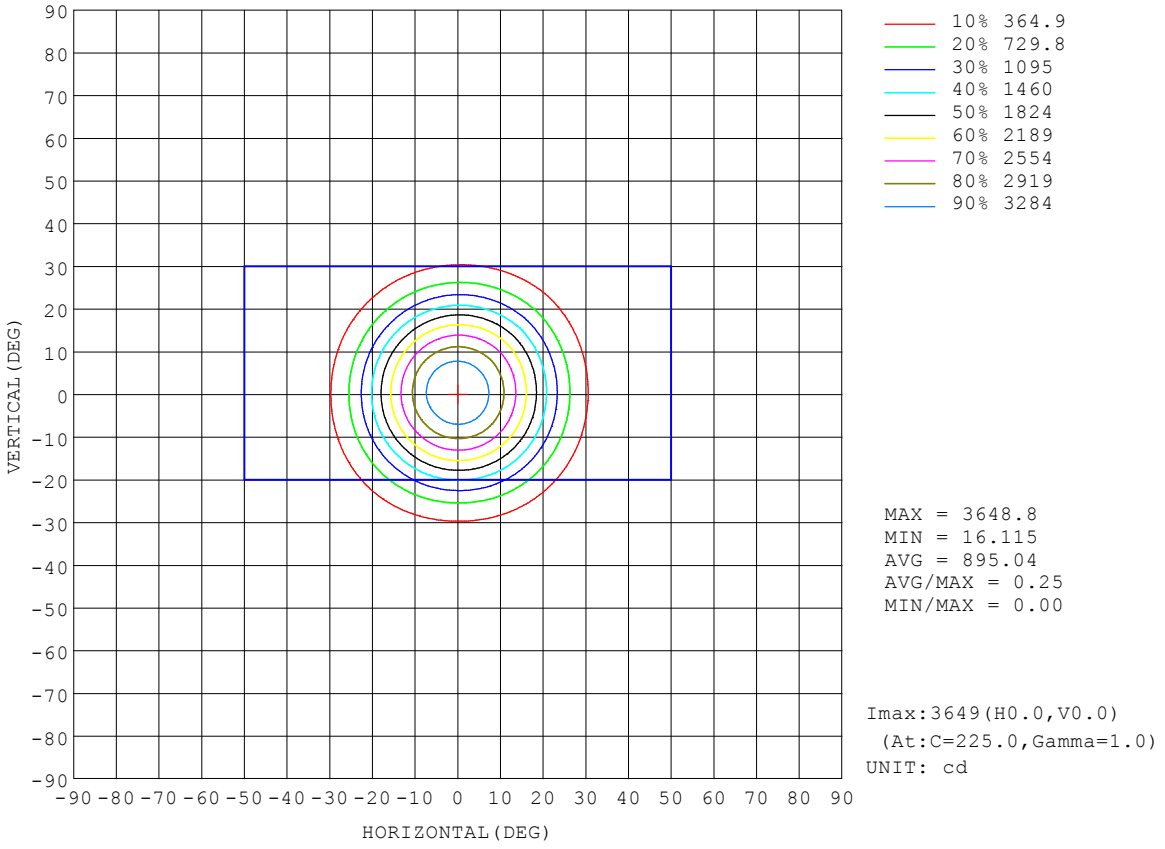
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-5000K RA90 36D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K 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

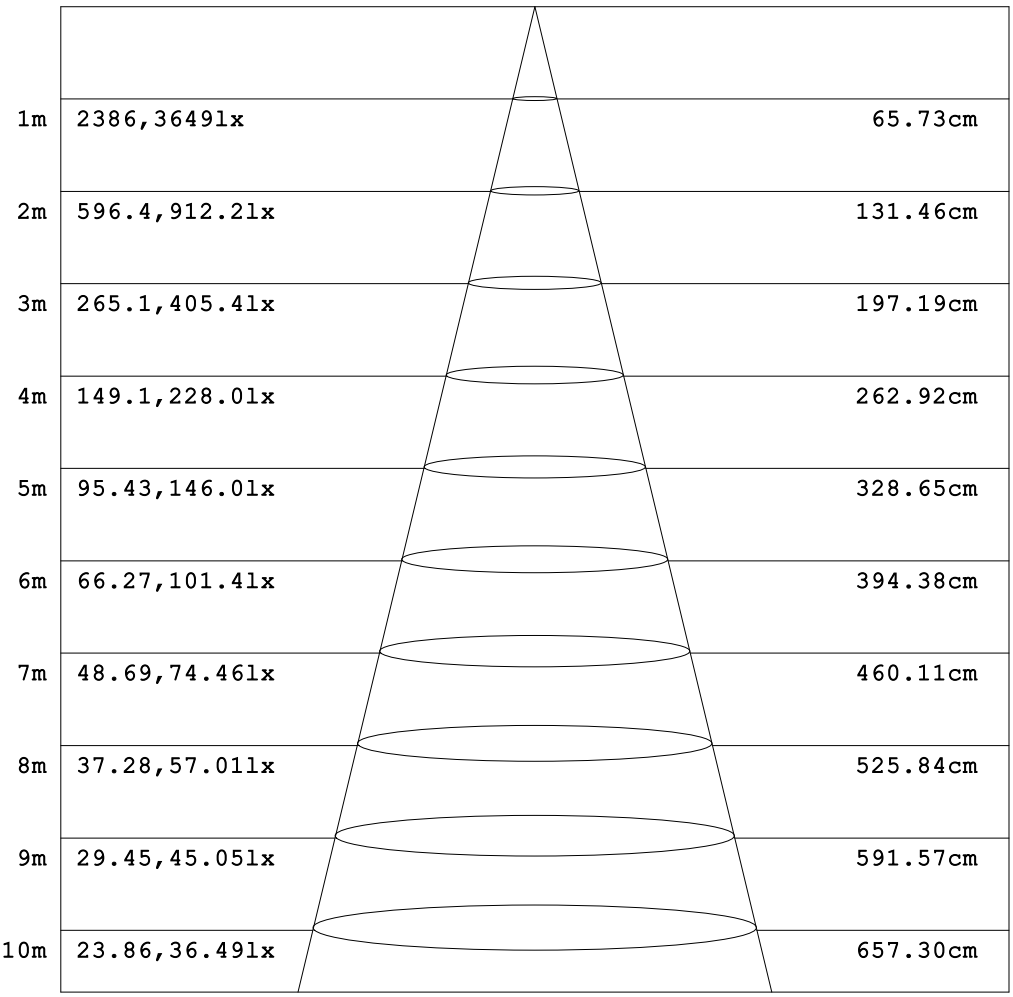
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5000K RA90 36D WHITE

AAI Figure

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:888.6 lm



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

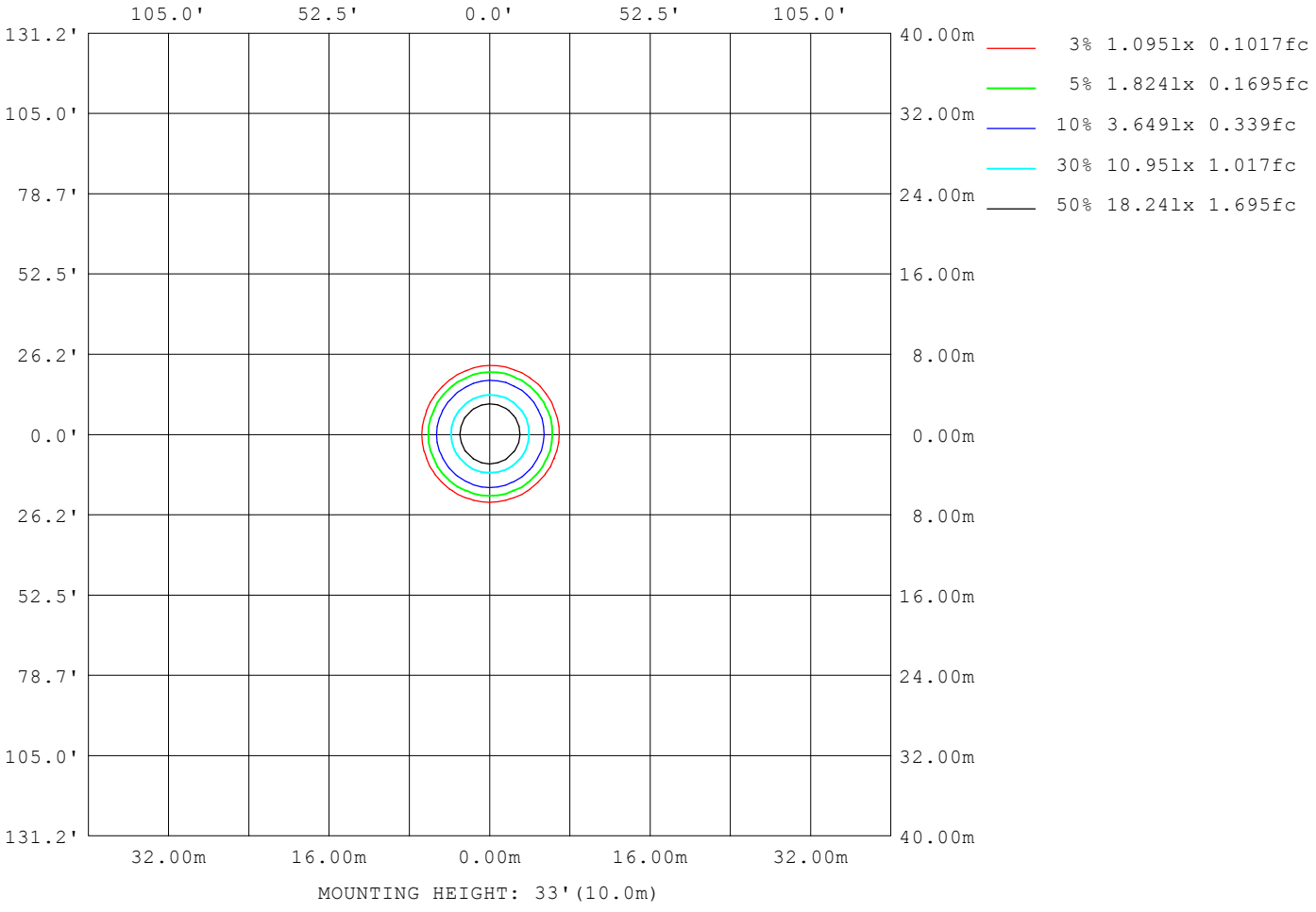
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-5000K RA90 36D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K 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:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	12726
L_0~180(75)av	10957
L_0~180(85)av	8316
L_90~270(65)av	12954
L_90~270(75)av	11054
L_90~270(85)av	8271
L_45(65)av	12822
L_45(75)av	10988
L_45(85)av	8168

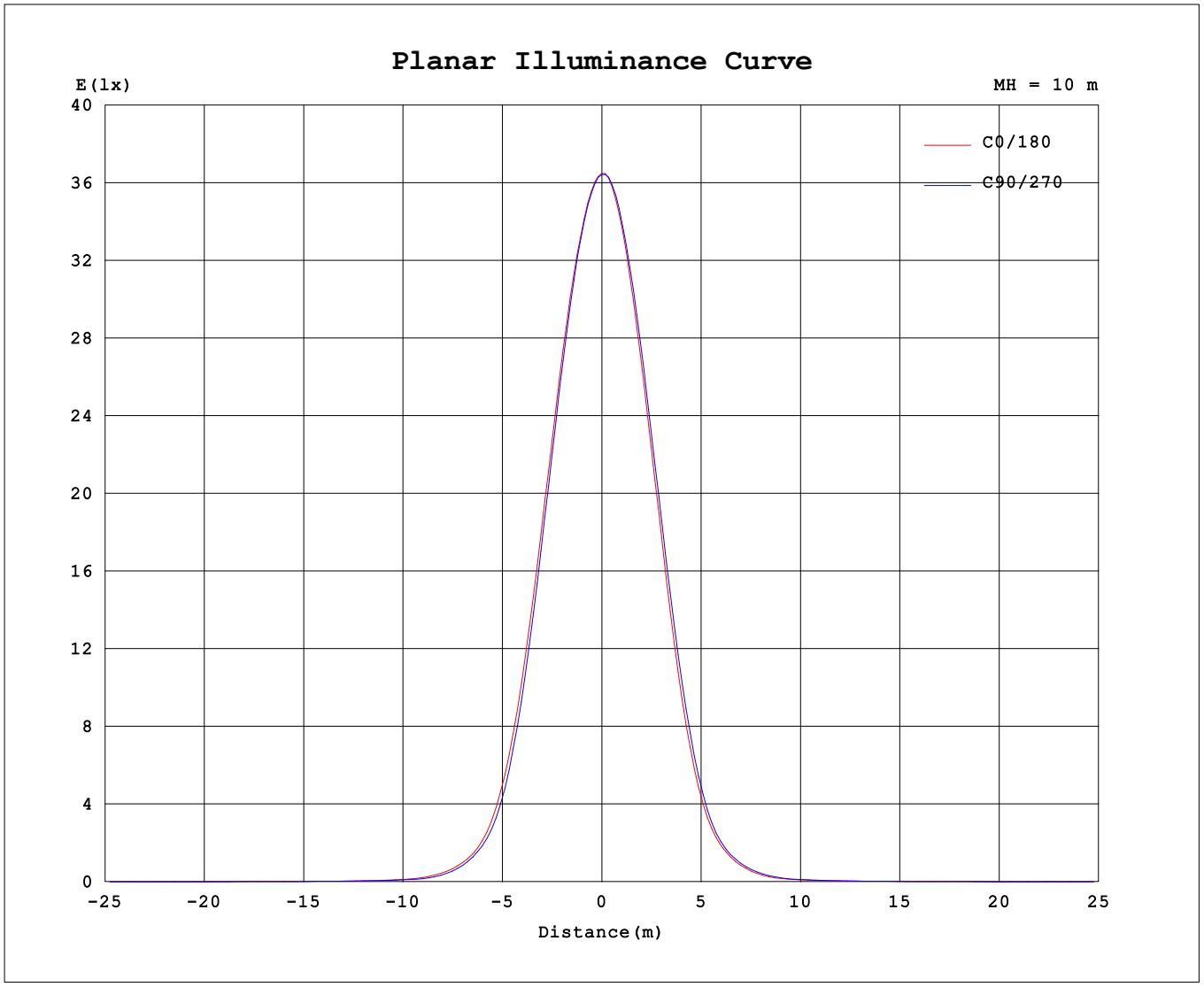
Standard: GB/T 29293-2012

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:

Photometric Filename: HCP-10X2501-5000K RA90 36D WHITE

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-10X2501-5000K RA90 36D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0783A P:18.2W PF:0.9696 Freq:49.99Hz UTHDi:0.45% ITHDi:12.15% KDisp:0.9804 Lamp Flux:1510.4x1 lm		
NAME: HCP-10X2501-5000K RA90 36D 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	3645	3645	3645	3645	3645	3645	3645	3645
5	3454	3449	3446	3452	3477	3491	3507	3481
10	3010	2985	2964	2962	2989	3039	3059	3050
15	2349	2300	2266	2263	2294	2330	2388	2409
20	1580	1530	1474	1455	1485	1519	1599	1637
25	881	828	777	779	784	804	872	914
30	399	368	348	355	346	353	384	418
35	180	167	156	159	155	156	173	191
40	78.5	66.7	59.7	59.1	60.3	63.0	74.3	83.5
45	35.5	32.4	30.6	30.9	31.5	32.9	35.2	36.8
50	22.4	20.8	19.6	19.7	20.3	21.3	22.7	22.9
55	17.4	16.8	16.3	15.7	16.0	17.0	18.0	17.9
60	15.2	14.8	14.3	14.0	14.3	15.2	16.1	15.9
65	12.9	12.2	11.6	11.4	11.8	12.6	13.6	13.5
70	9.86	9.20	8.68	8.56	8.87	9.54	10.3	10.3
75	6.92	6.37	5.95	5.88	6.13	6.63	7.21	7.29
80	4.26	3.82	3.50	3.45	3.65	4.01	4.45	4.51
85	1.90	1.56	1.33	1.28	1.44	1.67	1.99	2.04
90	0.06	0.05	0.07	0.05	0.05	0.05	0.05	0.05

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-10X2501-5000K 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	3645	3645	3645	3645	3645	3645	3645	3645
3.0	3569	3563	3563	3572	3590	3599	3606	3591
6.0	3383	3379	3372	3376	3405	3422	3437	3412
9.0	3119	3097	3080	3080	3106	3150	3168	3153
12.0	2768	2737	2708	2704	2730	2777	2812	2817
15.0	2349	2300	2266	2263	2294	2330	2388	2409
18.0	1894	1838	1792	1781	1816	1847	1923	1955
21.0	1428	1377	1317	1300	1327	1358	1439	1477
24.0	1002	952.1	903.8	894.1	905.7	934.2	1004	1036
27.0	653.9	607.5	566.5	575.3	570.1	581.5	638.4	682.9
30.0	399.1	367.7	347.7	355.0	346.5	352.5	384.3	418.1
33.0	244.6	232.5	216.1	225.3	216.9	216.5	237.4	258.3
36.0	154.9	141.1	131.2	132.4	130.2	131.1	147.9	164.0
39.0	94.88	80.84	73.21	72.45	73.53	76.08	89.17	98.43
42.0	54.62	46.70	41.79	41.78	43.01	45.23	52.00	57.33
45.0	35.54	32.44	30.63	30.86	31.55	32.89	35.17	36.80
48.0	27.39	25.27	22.76	22.51	23.43	25.27	27.39	27.94
51.0	20.88	19.80	18.75	18.70	19.31	20.28	21.36	21.34
54.0	18.21	17.50	16.79	16.22	16.57	17.58	18.72	18.65
57.0	16.35	15.97	15.51	15.07	15.39	16.26	17.12	16.91
60.0	15.23	14.85	14.34	13.96	14.28	15.20	16.06	15.85
63.0	14.02	13.48	12.91	12.62	12.97	13.88	14.73	14.61
66.0	12.30	11.62	11.02	10.86	11.21	12.00	12.86	12.88
69.0	10.46	9.798	9.258	9.129	9.442	10.13	10.91	10.96
72.0	8.656	8.036	7.557	7.462	7.743	8.342	9.010	9.086
75.0	6.919	6.370	5.953	5.879	6.126	6.630	7.207	7.285
78.0	5.287	4.806	4.446	4.391	4.612	5.022	5.518	5.582
81.0	3.757	3.346	3.043	2.992	3.191	3.516	3.933	3.989
84.0	2.341	1.995	1.738	1.691	1.864	2.120	2.458	2.509
87.0	1.025	0.7336	0.5125	0.4555	0.5895	0.8063	1.084	1.141
90.0	0.0629	0.0466	0.0691	0.0521	0.0523	0.0478	0.0543	0.0450

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: