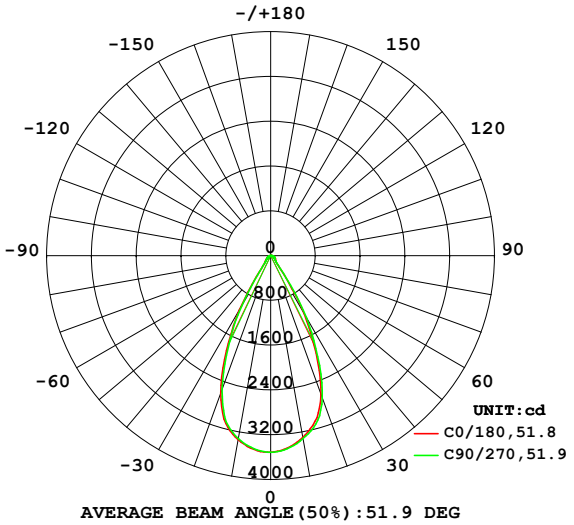
Photometric Filename: HCP-10X2701-3000K RA90 60D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

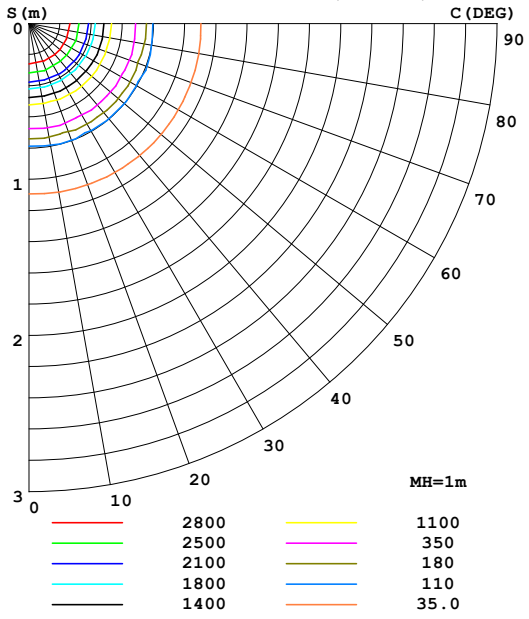
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 75.84 lm/W	
MODEL		Imax(cd)	3513	S/MH(C0/180)	0.78
NOMINAL POWER(W)	35	LOR(%)	100.0	S/MH(C90/270)	0.77
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2608.0	η UP,DN(C0-180)	0.0,51.5
NOMINAL FLUX(lm)	2608.03	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.5
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.32	η down(%)	100.0	CIBSE SHR MAX	0.80

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):51.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K 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	3301	3313	3322	3336	3339	3330	3321	3310	0- 10	326.0	326.0	12.5,12.5
20	2634	2660	2702	2681	2614	2533	2542	2593	10- 20	852.9	1179	45.2,45.2
30	1206	1274	1282	1227	1126	1050	1050	1119	20- 30	857.5	2036	78.1,78.1
40	160.7	169.4	173.9	167.9	161.4	157.1	153.4	155.2	30- 40	303.5	2340	89.7,89.7
50	97.99	102.1	101.5	101.3	99.54	95.78	94.88	95.23	40- 50	97.76	2438	93.5,93.5
60	67.16	69.56	70.13	70.34	68.94	66.68	65.89	65.76	50- 60	73.07	2511	96.3,96.3
70	44.61	46.69	46.73	45.44	42.93	40.58	40.62	42.00	60- 70	56.02	2567	98.4,98.4
80	19.77	21.46	21.07	19.44	17.35	15.83	16.23	17.61	70- 80	32.58	2599	99.7,99.7
90	0.1732	0.1454	0.1714	0.1531	0.1797	0.1867	0.1955	0.1780	80- 90	8.705	2608	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): 2392.3 lm

%lum = 91.7%
%lamp = 91.7%

Conical surface Flux(130deg): 2541.3 lm

%lum = 97.4%
%lamp = 97.4%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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:

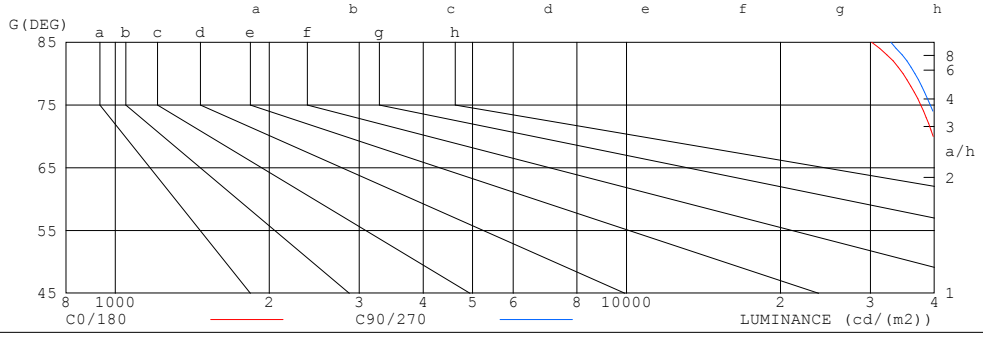
Photometric Filename: HCP-10X2701-3000K RA90 60D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz **UTHDi:0.43% ITHDi:41.04% KDisp:0.9960** **Lamp Flux:2608.03x1 lm**		
NAME: HCP-10X2701-3000K RA90 60D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**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	30184	32904
80	34736	36672
75	37639	39297
70	39787	41306
65	41303	42910
60	40974	42400
55	42659	43832
50	46502	47717
45	53949	55876

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K RA90 60D WHITE

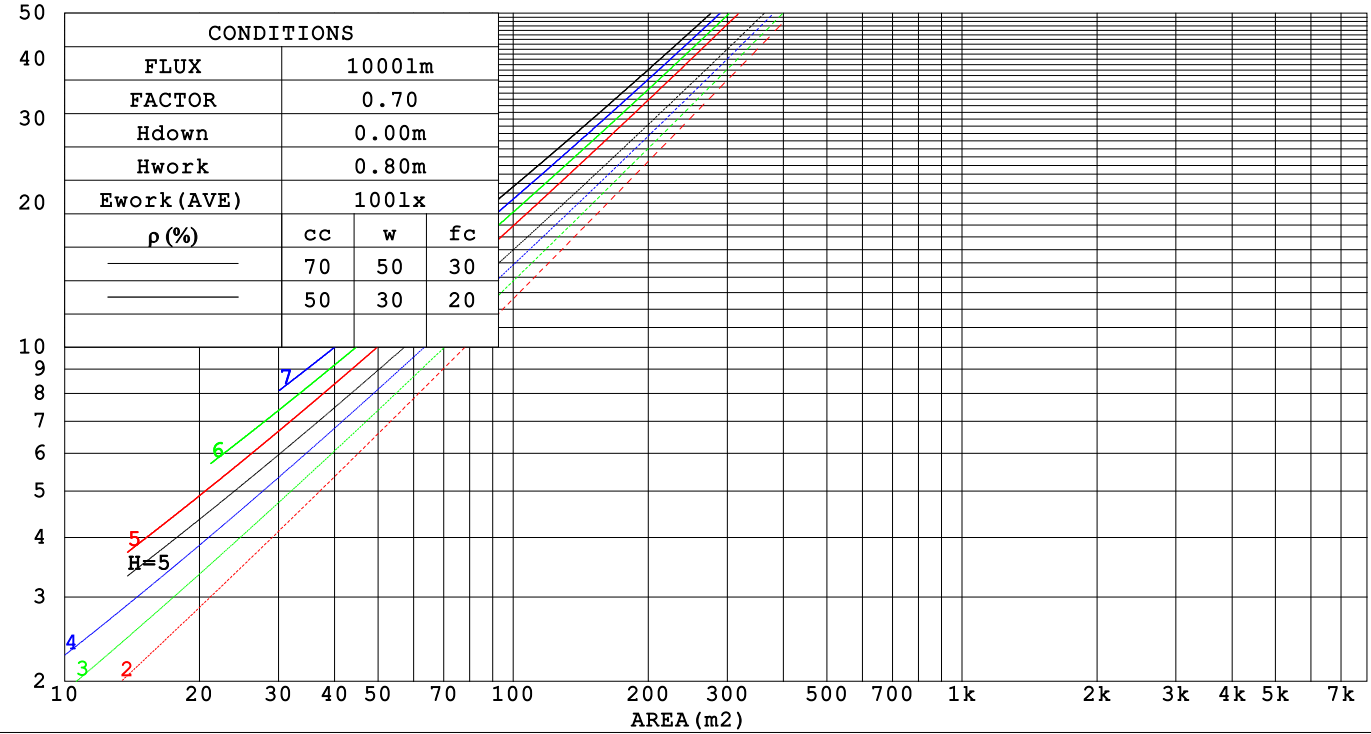
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.03	.98	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.80
4.0	.90	.84	.80	.89	.83	.80	.86	.82	.79	.84	.81	.78	.83	.79	.77	.75
5.0	.84	.79	.74	.83	.78	.74	.82	.77	.73	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.70	.79	.73	.69	.77	.72	.69	.76	.72	.68	.75	.71	.68	.66
7.0	.75	.69	.65	.75	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.66	.62	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.60	.57	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K RA90 60D WHITE

WEC AND CCEC

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	.186	.106	.033	.179	.102	.032	.166	.095	.030	.155	.089	.029	.144	.083	.027	
2.0	.175	.096	.029	.170	.093	.029	.159	.088	.027	.149	.084	.026	.140	.079	.025	
3.0	.165	.088	.026	.160	.086	.026	.151	.082	.025	.143	.078	.024	.135	.075	.023	
4.0	.155	.081	.024	.151	.079	.023	.143	.076	.023	.136	.073	.022	.129	.070	.021	
5.0	.147	.075	.022	.143	.074	.021	.136	.071	.021	.130	.069	.020	.124	.066	.020	
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.125	.065	.019	.119	.063	.019	
7.0	.132	.065	.019	.130	.065	.018	.124	.063	.018	.119	.061	.018	.115	.060	.018	
8.0	.126	.062	.017	.124	.061	.017	.119	.059	.017	.115	.058	.017	.110	.057	.017	
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016	
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.106	.053	.015	.103	.052	.015	

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	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.060	.107	.076	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K RA90 60D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	22.3	23.2	22.5	23.4	23.5	22.6	23.5	22.8	23.7	23.9
3H	23.2	24.0	23.4	24.2	24.4	23.5	24.3	23.7	24.5	24.7
4H	23.6	24.4	23.9	24.6	24.9	23.9	24.7	24.2	24.9	25.2
6H	23.9	24.7	24.2	25.0	25.2	24.2	25.0	24.5	25.3	25.5
8H	24.1	24.8	24.4	25.1	25.3	24.4	25.1	24.7	25.4	25.6
12H	24.1	24.8	24.4	25.1	25.4	24.4	25.1	24.7	25.4	25.7
4H 2H	22.6	23.4	22.8	23.6	23.8	22.8	23.7	23.1	23.9	24.1
3H	23.7	24.4	24.0	24.7	25.0	24.0	24.7	24.3	25.0	25.2
4H	24.3	24.9	24.6	25.2	25.6	24.5	25.2	24.9	25.5	25.8
6H	24.8	25.3	25.1	25.7	26.0	25.0	25.6	25.4	25.9	26.3
8H	24.9	25.5	25.3	25.8	26.2	25.2	25.7	25.6	26.1	26.4
12H	25.0	25.5	25.5	25.9	26.3	25.3	25.8	25.7	26.2	26.6
8H 4H	24.5	25.0	24.9	25.4	25.8	24.7	25.3	25.1	25.6	26.0
6H	25.1	25.6	25.6	26.0	26.4	25.3	25.8	25.8	26.2	26.6
8H	25.4	25.8	25.8	26.2	26.6	25.6	26.0	26.0	26.4	26.8
12H	25.5	25.9	26.0	26.3	26.8	25.8	26.1	26.3	26.6	27.0
12H 4H	24.5	25.0	24.9	25.4	25.8	24.7	25.2	25.1	25.6	26.0
6H	25.2	25.6	25.6	26.0	26.4	25.4	25.8	25.8	26.2	26.6
8H	25.5	25.8	25.9	26.2	26.7	25.7	26.0	26.1	26.5	26.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.4					+ 0.5 / - 0.4				
1.5H	+ 0.6 / - 0.3					+ 0.9 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 2608 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.3)
Area: 0.0033 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K RA90 60D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	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	74	84	78	74	71
0.80	93	86	82	92	86	82	91	85	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	102	98	103	100	97	91
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	114	112	110	112	110	108	108	107	105	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

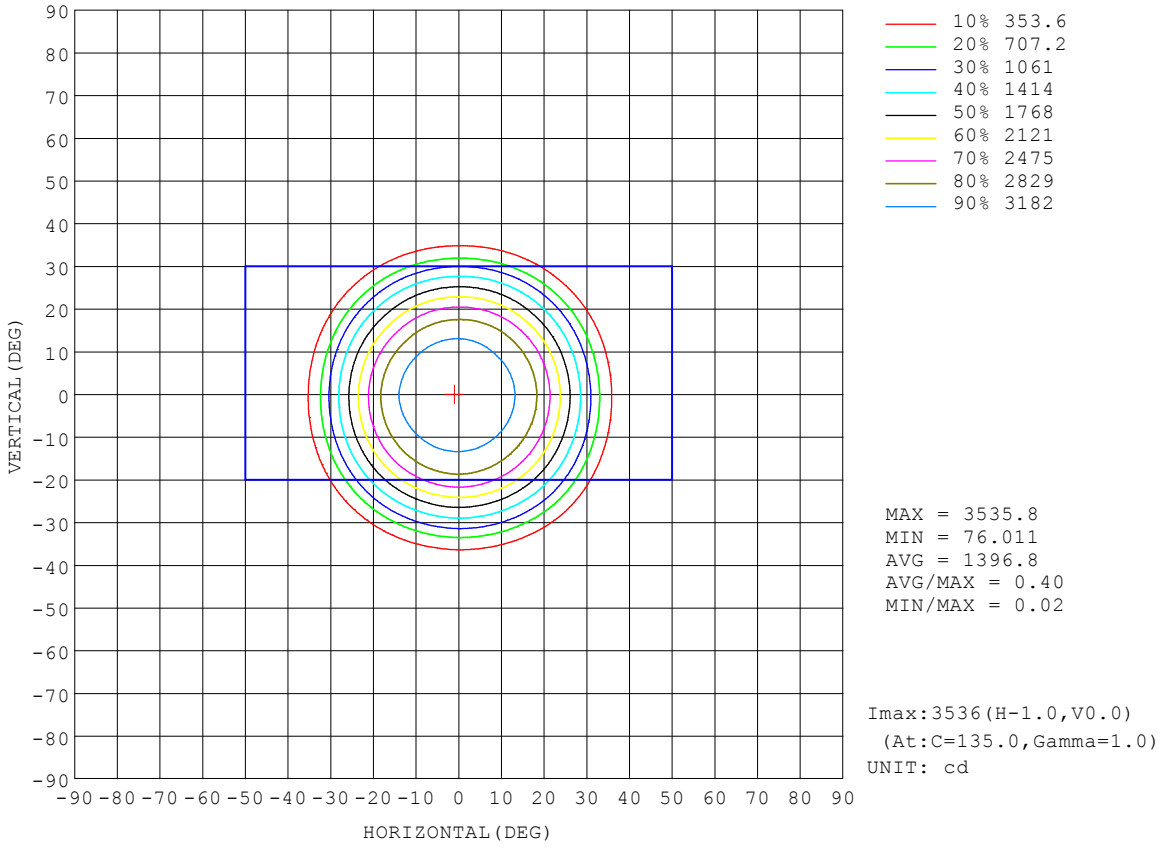
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K RA90 60D WHITE

ISOCANDELA DIAGRAM

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz **UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm**		
NAME: HCP-10X2701-3000K RA90 60D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**Shielding Angle:**



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

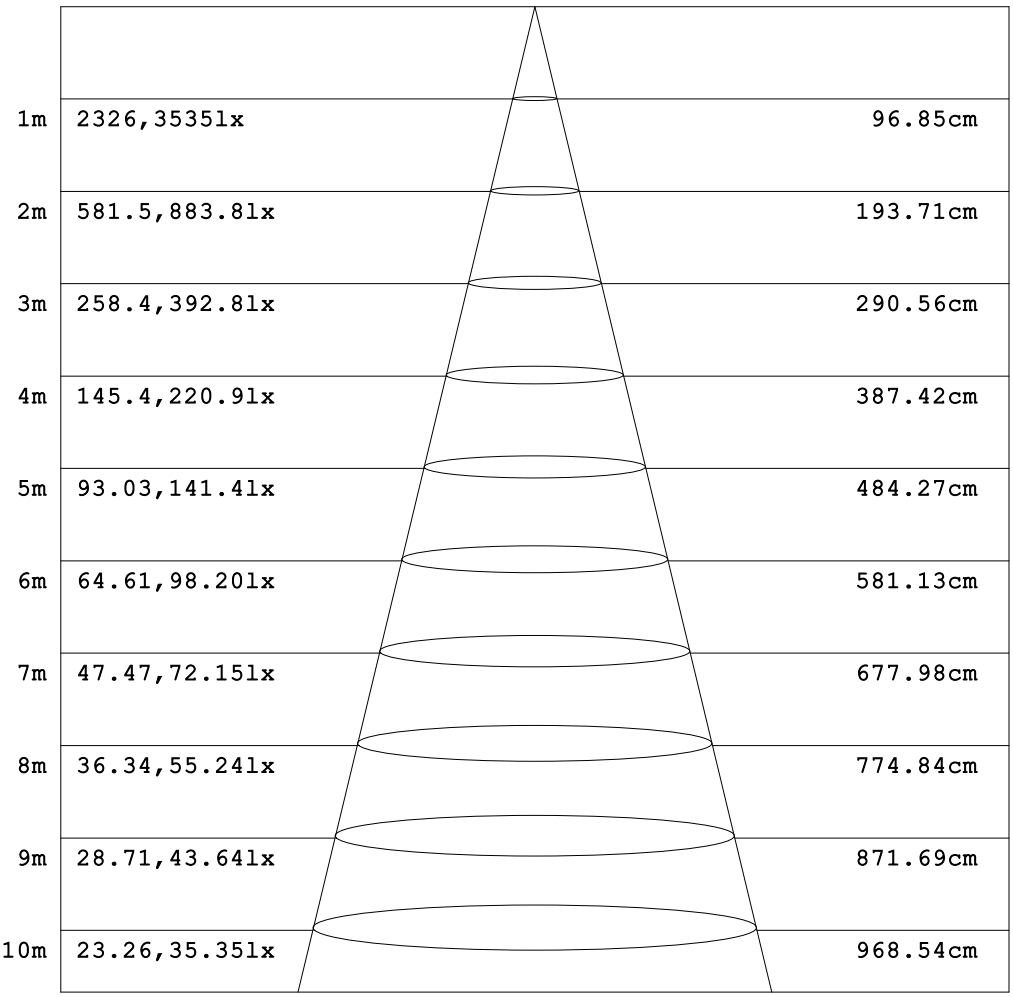
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2701-3000K RA90 60D WHITE

AAI Figure

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Flux out:1738 lm



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

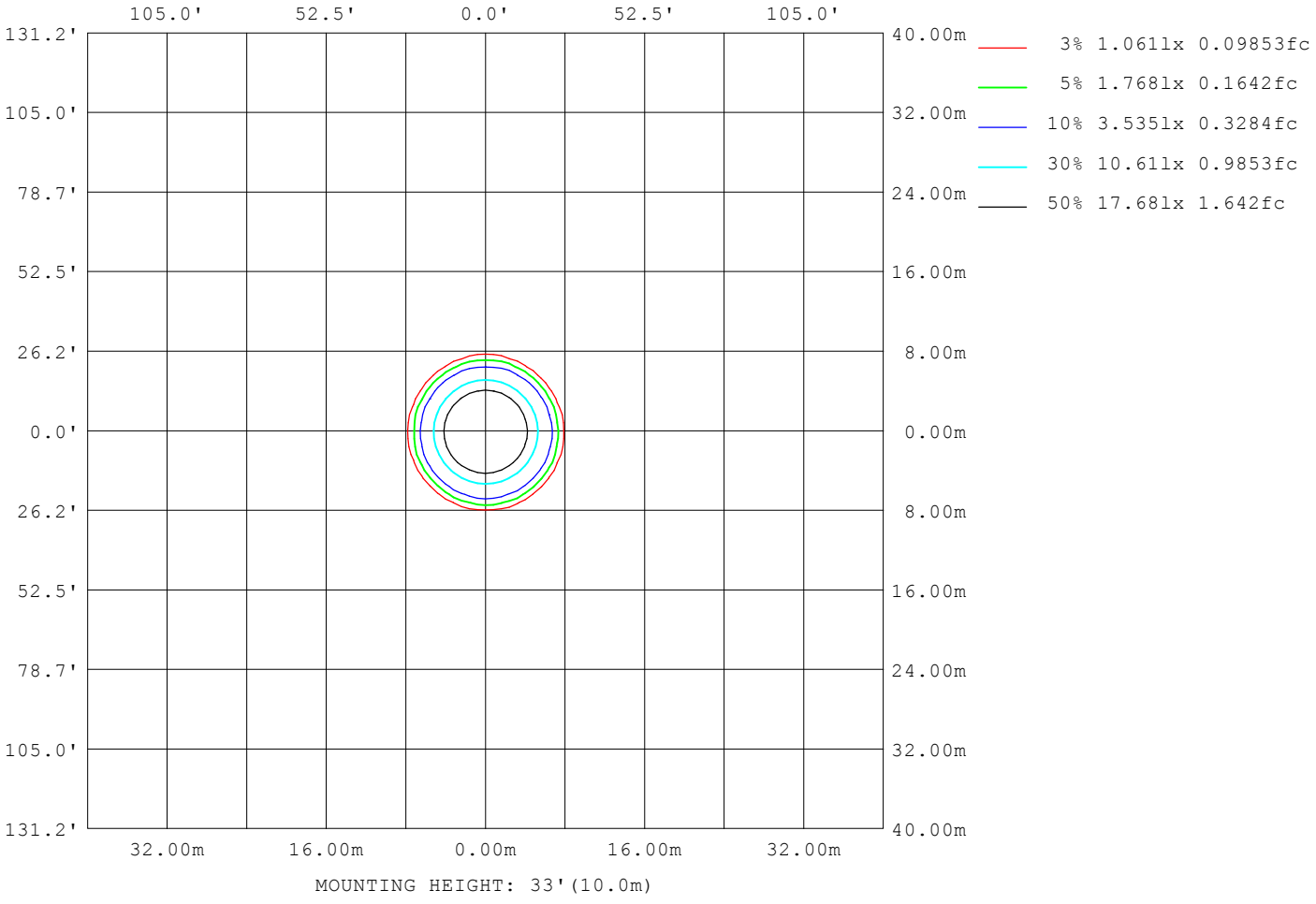
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K RA90 60D WHITE

ISOLUX DIAGRAM

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz **UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm**		
NAME: HCP-10X2701-3000K RA90 60D WHITE	**TYPE:**	**WEIGHT:**
SPEC.:	**DIM.:**	**SERIAL No.:**
MFR.: Havit Commercial	**SUR.: 65mm**	**Shielding Angle:**



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

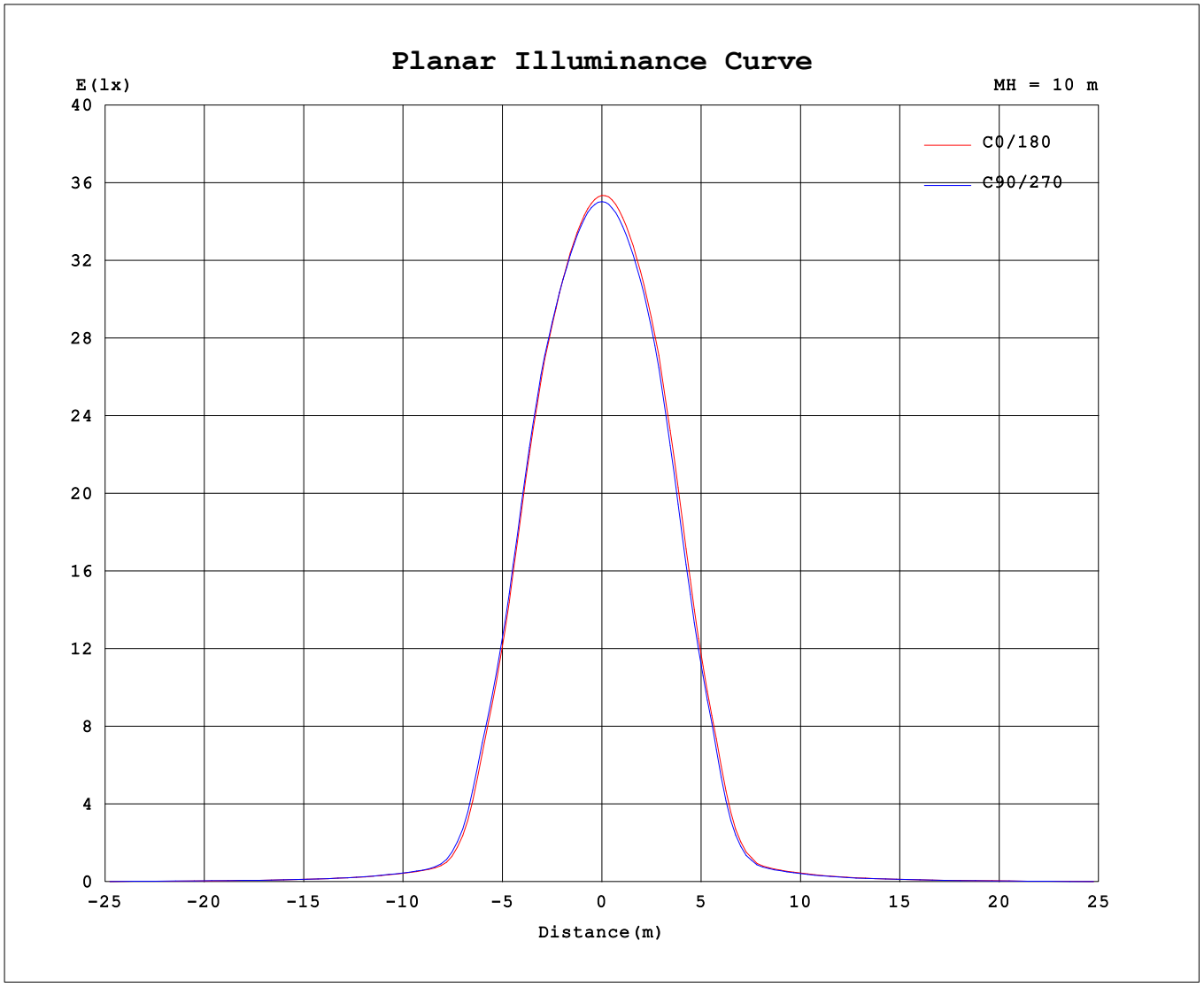
AvgL	cd/m2
L_0~180(65)av	40898
L_0~180(75)av	36029
L_0~180(85)av	26086
L_90~270(65)av	40863
L_90~270(75)av	36043
L_90~270(85)av	26497
L_45(65)av	40852
L_45(75)av	36020
L_45(85)av	26190

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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:2023-11-15

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-10X2701-3000K RA90 60D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.4V I:0.1442A P:34.4W PF:0.9923 Freq:49.99Hz UTHDi:0.43% ITHDi:41.04% KDisp:0.9960 Lamp Flux:2608.03x1 lm		
NAME: HCP-10X2701-3000K RA90 60D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	3512	3512	3512	3512	3512	3512	3512	3512
5	3449	3455	3461	3469	3474	3472	3462	3453
10	3301	3313	3322	3336	3339	3330	3321	3310
15	3067	3080	3114	3127	3103	3062	3071	3076
20	2634	2660	2702	2681	2614	2533	2542	2593
25	1920	1975	1997	1962	1872	1778	1798	1840
30	1206	1274	1282	1227	1126	1050	1050	1119
35	432	506	497	439	372	337	335	361
40	161	169	174	168	161	157	153	155
45	125	130	131	130	128	122	122	122
50	98.0	102	101	101	99.5	95.8	94.9	95.2
55	80.2	82.4	83.2	83.2	82.1	79.4	78.5	78.2
60	67.2	69.6	70.1	70.3	68.9	66.7	65.9	65.8
65	57.2	59.5	60.0	59.2	56.9	54.3	54.0	54.9
70	44.6	46.7	46.7	45.4	42.9	40.6	40.6	42.0
75	31.9	33.9	33.6	32.0	29.6	27.7	27.9	29.4
80	19.8	21.5	21.1	19.4	17.4	15.8	16.2	17.6
85	8.62	9.84	9.49	8.00	6.38	5.35	5.75	6.94
90	0.17	0.15	0.17	0.15	0.18	0.19	0.20	0.18

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-15

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-10X2701-3000K 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	3512	3512	3512	3512	3512	3512	3512	3512
3.0	3486	3487	3495	3500	3504	3500	3493	3487
6.0	3425	3432	3440	3449	3455	3454	3440	3430
9.0	3337	3348	3356	3367	3375	3366	3357	3345
12.0	3218	3233	3251	3265	3260	3243	3241	3229
15.0	3067	3080	3114	3127	3103	3062	3071	3076
18.0	2840	2858	2903	2895	2839	2771	2786	2822
21.0	2516	2541	2578	2565	2480	2391	2395	2453
24.0	2078	2126	2151	2119	2029	1936	1949	2005
27.0	1622	1669	1700	1653	1560	1495	1504	1549
30.0	1206	1274	1282	1227	1126	1050	1050	1119
33.0	702.6	798.1	801.8	704.5	604.4	549.3	538.1	596.1
36.0	335.3	391.0	390.0	339.8	290.2	265.8	258.5	283.5
39.0	177.8	194.5	197.7	185.3	173.3	167.9	163.6	167.1
42.0	142.1	147.4	149.5	148.7	145.7	141.4	139.1	138.4
45.0	125.0	129.7	130.7	130.2	127.9	122.3	122.4	122.1
48.0	110.1	114.9	114.6	112.7	109.4	103.9	103.9	105.3
51.0	94.20	97.32	97.86	97.34	95.64	92.09	91.09	91.55
54.0	83.36	85.74	86.43	86.19	85.11	82.20	81.17	81.01
57.0	74.64	76.82	77.72	77.79	76.51	73.91	73.17	72.94
60.0	67.16	69.56	70.13	70.34	68.94	66.68	65.89	65.76
63.0	61.60	63.65	64.48	64.42	62.73	60.03	59.62	60.09
66.0	54.70	56.92	57.24	56.38	54.10	51.53	51.31	52.34
69.0	47.13	49.27	49.36	48.17	45.69	43.26	43.24	44.58
72.0	39.53	41.59	41.49	40.01	37.49	35.28	35.41	36.91
75.0	31.93	33.93	33.65	32.04	29.61	27.66	27.92	29.42
78.0	24.53	26.35	25.98	24.35	22.13	20.43	20.80	22.21
81.0	17.44	19.07	18.65	17.02	15.04	13.60	14.01	15.35
84.0	10.71	12.04	11.64	10.15	8.426	7.314	7.723	8.975
87.0	4.598	5.607	5.269	3.935	2.509	1.641	2.035	3.129
90.0	0.1732	0.1454	0.1714	0.1531	0.1797	0.1867	0.1955	0.1780

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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Operators:DAMIN
Test Date:2023-11-15

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: