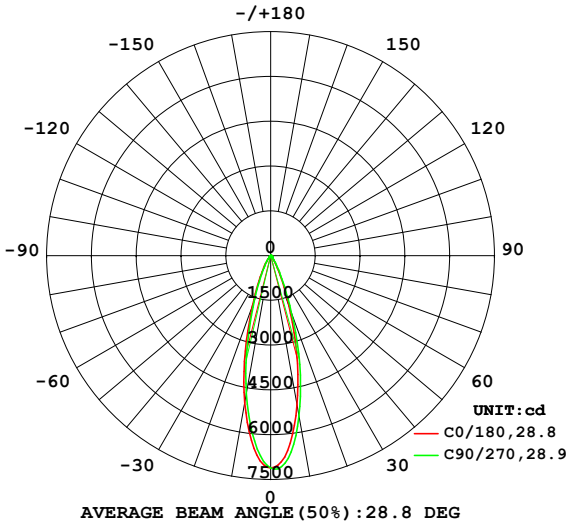
Photometric Filename: HCP-10X2701-3000K RA90 24D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

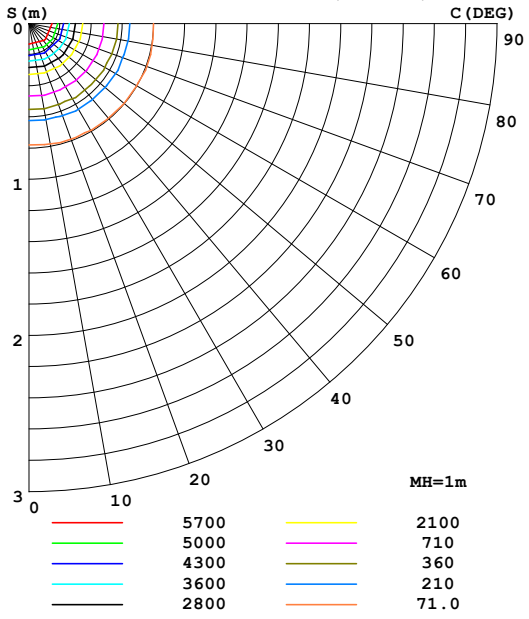
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 79.62 lm/W	
MODEL		Imax(cd)	7153	S/MH(C0/180)	0.48
NOMINAL POWER(W)	29	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2218.6	η UP,DN(C0-180)	0.0,52.7
NOMINAL FLUX(lm)	2218.61	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.29	η down(%)	100.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):28.8 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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	5101	5411	5474	5297	5007	4772	4704	4834	0- 10	574.9	574.9	25.9,25.9
20	1789	2046	2067	1984	1796	1673	1607	1641	10- 20	911.2	1486	67,67
30	420.9	481.5	489.0	502.0	476.1	464.9	427.4	415.1	20- 30	438.4	1925	86.7,86.7
40	105.7	119.4	123.2	123.4	115.2	106.0	100.1	101.6	30- 40	150.8	2075	93.5,93.5
50	58.20	60.61	60.46	59.39	56.59	53.72	52.65	55.42	40- 50	60.63	2136	96.3,96.3
60	32.61	33.69	33.70	33.51	32.34	31.25	31.03	31.25	50- 60	38.51	2174	98,98
70	19.86	20.80	20.74	20.24	19.42	18.51	18.46	18.81	60- 70	25.80	2200	99.2,99.2
80	8.635	9.265	9.171	8.548	7.819	7.167	7.282	7.765	70- 80	14.46	2215	99.8,99.8
90	0.1108	0.0820	0.1151	0.0829	0.0982	0.0990	0.1087	0.0938	80- 90	3.853	2219	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): 2109.2 lm

%lum = 95.1%
%lamp = 95.1%

Conical surface Flux(130deg): 2188.7 lm

%lum = 98.7%
%lamp = 98.7%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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:

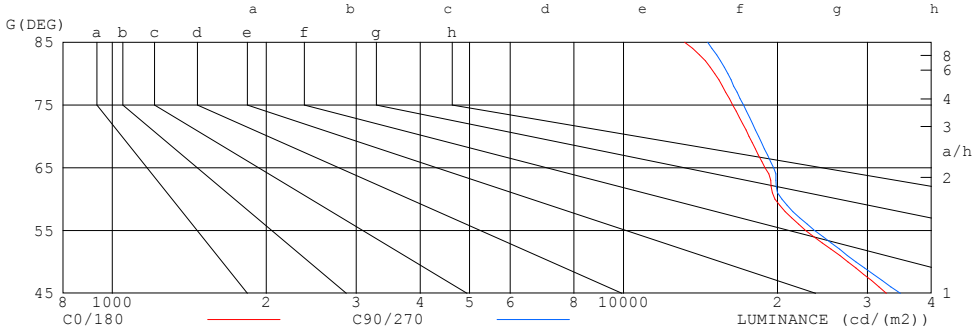
Photometric Filename: HCP-10X2701-3000K RA90 24D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz **UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm**		
NAME: HCP-10X2701-3000K RA90 24D 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	13161	14599
80	15081	15995
75	16350	17162
70	17607	18364
65	18916	19654
60	19781	20415
55	22723	23657
50	27458	28484
45	32650	34781

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

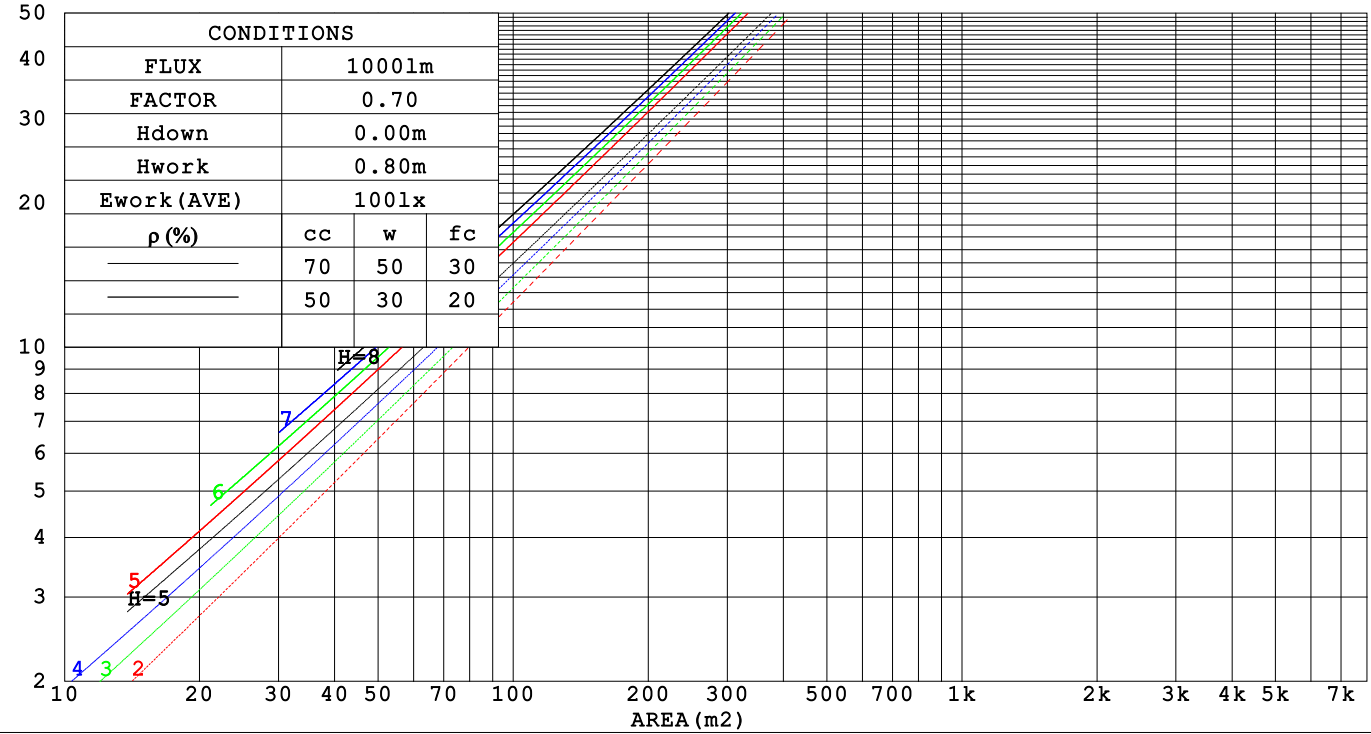
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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	1.12	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	.96	.92	.98	.95	.91	.96	.93	.90	.94	.91	.89	.91	.89	.87	.86
4.0	.95	.90	.87	.94	.90	.86	.92	.88	.85	.90	.87	.84	.88	.85	.83	.82
5.0	.91	.86	.82	.90	.85	.82	.88	.84	.81	.86	.83	.80	.85	.82	.80	.78
6.0	.87	.82	.78	.86	.81	.78	.85	.81	.77	.83	.80	.77	.82	.79	.77	.75
7.0	.83	.78	.75	.83	.78	.75	.81	.77	.74	.80	.77	.74	.79	.76	.74	.72
8.0	.80	.75	.72	.79	.75	.72	.78	.74	.71	.78	.74	.71	.77	.73	.71	.70
9.0	.77	.72	.69	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.74	.70	.67	.74	.69	.66	.73	.69	.66	.73	.69	.66	.72	.68	.66	.65

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

WEC AND CCEC

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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	.159	.090	.029	.152	.087	.028	.140	.080	.026	.128	.074	.024	.118	.068	.022	
2.0	.149	.081	.025	.143	.079	.024	.133	.074	.023	.123	.069	.022	.114	.065	.020	
3.0	.139	.074	.022	.134	.072	.022	.126	.068	.021	.118	.064	.020	.110	.061	.019	
4.0	.131	.068	.020	.127	.066	.020	.119	.063	.019	.112	.060	.018	.106	.057	.017	
5.0	.123	.063	.018	.120	.061	.018	.113	.059	.017	.107	.057	.017	.102	.054	.016	
6.0	.116	.058	.017	.113	.057	.016	.108	.055	.016	.103	.053	.016	.098	.051	.015	
7.0	.110	.055	.015	.108	.054	.015	.103	.052	.015	.098	.050	.015	.094	.049	.014	
8.0	.105	.051	.014	.103	.051	.014	.099	.049	.014	.095	.048	.014	.091	.047	.014	
9.0	.100	.049	.014	.098	.048	.013	.095	.047	.013	.091	.046	.013	.088	.044	.013	
10.0	.096	.046	.013	.094	.046	.013	.091	.044	.013	.088	.043	.012	.085	.043	.012	

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	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011	
4.0	.128	.098	.076	.109	.085	.066	.075	.059	.046	.044	.035	.028	.014	.011	.009	
5.0	.118	.086	.063	.101	.075	.055	.070	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.077	.053	.094	.066	.046	.065	.046	.033	.038	.027	.019	.012	.009	.006	
7.0	.102	.069	.045	.088	.060	.039	.061	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.096	.062	.039	.082	.054	.034	.057	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.090	.057	.034	.078	.049	.030	.054	.035	.021	.031	.020	.013	.010	.007	.004	
10.0	.085	.052	.030	.074	.045	.026	.051	.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:2023-11-14

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 24D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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	17.9	18.7	18.1	18.8	19.0	18.3	19.0	18.5	19.2	19.4
	3H	18.7	19.4	18.9	19.6	19.8	19.0	19.7	19.2	19.9	20.1
	4H	19.0	19.7	19.3	19.9	20.1	19.3	20.0	19.6	20.2	20.5
	6H	19.3	20.0	19.6	20.2	20.4	19.6	20.3	19.9	20.5	20.7
	8H	19.4	20.0	19.7	20.3	20.5	19.7	20.3	20.0	20.6	20.8
	12H	19.5	20.1	19.8	20.3	20.6	19.8	20.4	20.1	20.6	20.9
4H	2H	18.2	18.9	18.5	19.1	19.3	18.5	19.2	18.8	19.4	19.6
	3H	19.2	19.8	19.5	20.0	20.3	19.4	20.0	19.7	20.3	20.6
	4H	19.6	20.2	20.0	20.5	20.8	19.9	20.5	20.2	20.7	21.0
	6H	20.0	20.5	20.4	20.9	21.2	20.3	20.8	20.7	21.1	21.5
	8H	20.2	20.6	20.6	21.0	21.3	20.4	20.9	20.8	21.2	21.6
	12H	20.3	20.7	20.7	21.0	21.4	20.5	21.0	21.0	21.3	21.7
8H	4H	19.8	20.3	20.2	20.6	21.0	20.0	20.5	20.4	20.8	21.2
	6H	20.3	20.7	20.8	21.1	21.5	20.6	20.9	21.0	21.3	21.7
	8H	20.5	20.9	21.0	21.3	21.7	20.8	21.1	21.2	21.5	22.0
	12H	20.7	21.0	21.2	21.4	21.9	20.9	21.2	21.4	21.7	22.1
12H	4H	19.8	20.2	20.2	20.6	21.0	20.0	20.5	20.4	20.8	21.2
	6H	20.4	20.7	20.8	21.1	21.5	20.6	20.9	21.0	21.3	21.8
	8H	20.6	20.9	21.1	21.3	21.8	20.8	21.1	21.3	21.6	22.0

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 0.5 / - 0.6	+ 0.7 / - 0.7
1.5H	+ 0.8 / - 0.4	+ 1.3 / - 0.5
2.0H	+ 0.7 / - 0.6	+ 0.8 / - 0.6

CIE Pub.117, 2219 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.8)
Area: 0.0033 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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	88	81	78	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	107	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

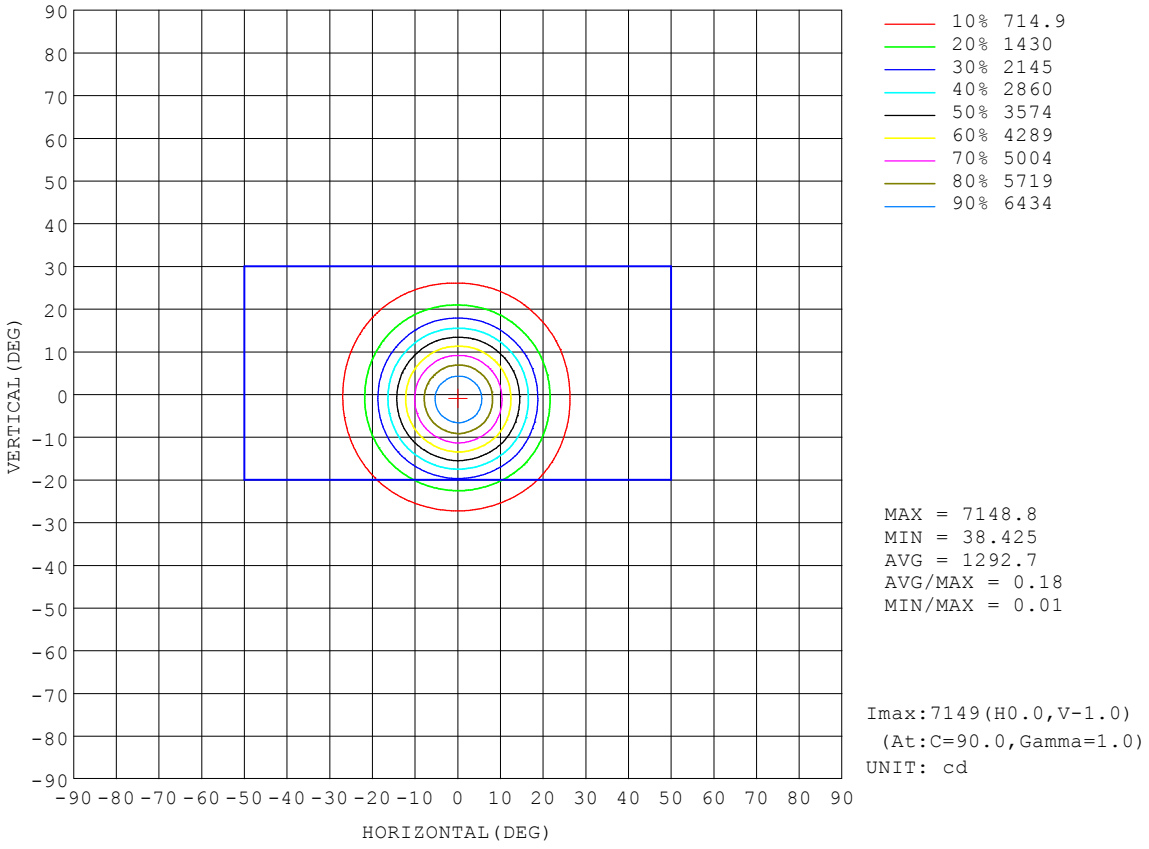
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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:2023-11-14

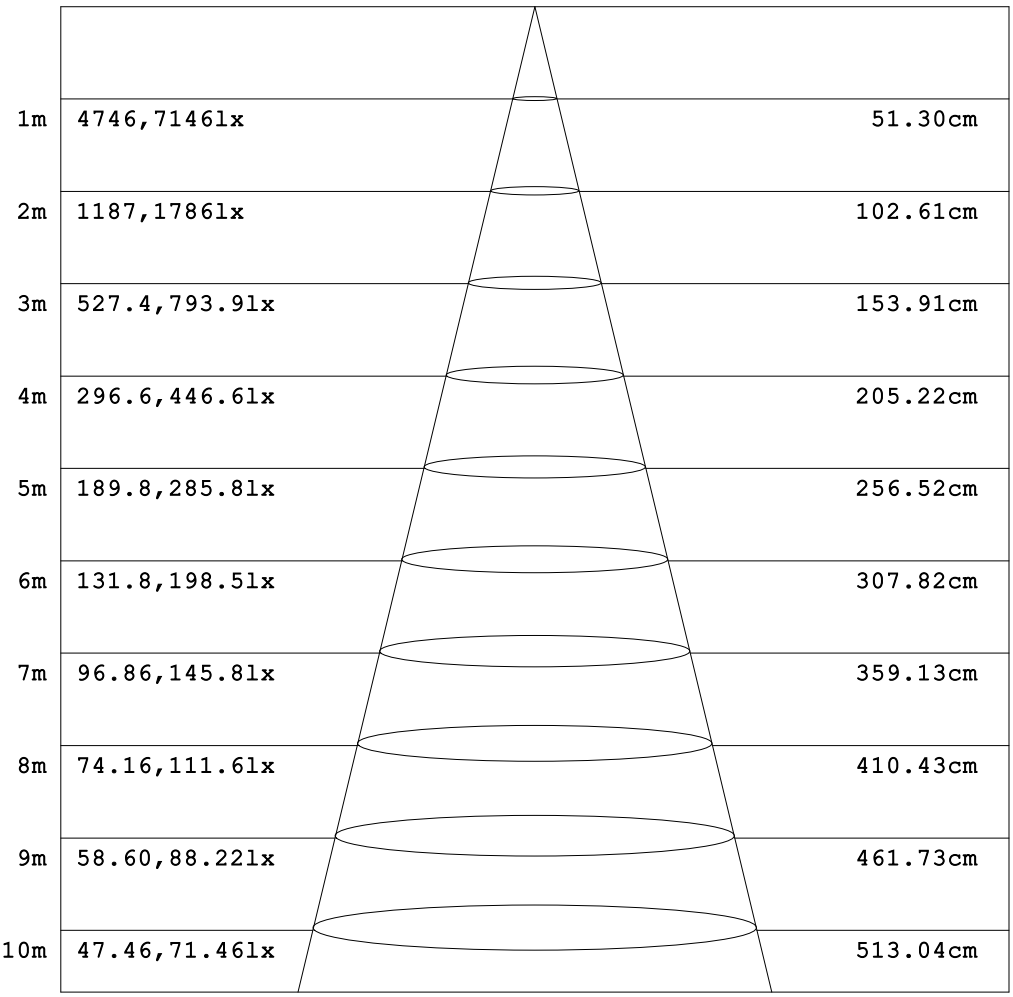
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2701-3000K RA90 24D WHITE

AAI Figure

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Flux out:1071 lm



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

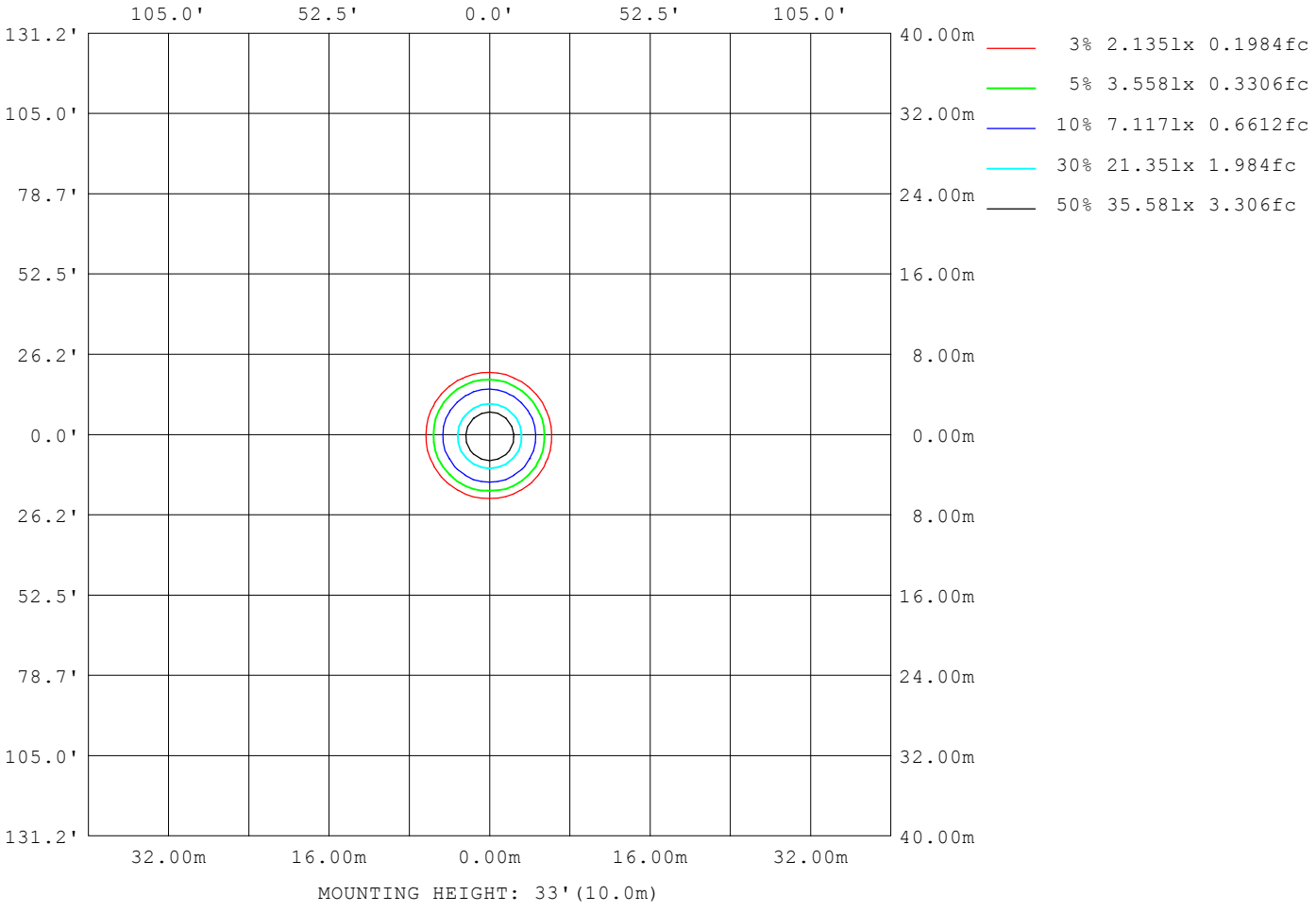
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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:2023-11-14

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:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	18796
L_0~180(75)av	15956
L_0~180(85)av	11680
L_90~270(65)av	18711
L_90~270(75)av	15966
L_90~270(85)av	11660
L_45(65)av	18739
L_45(75)av	15932
L_45(85)av	11547

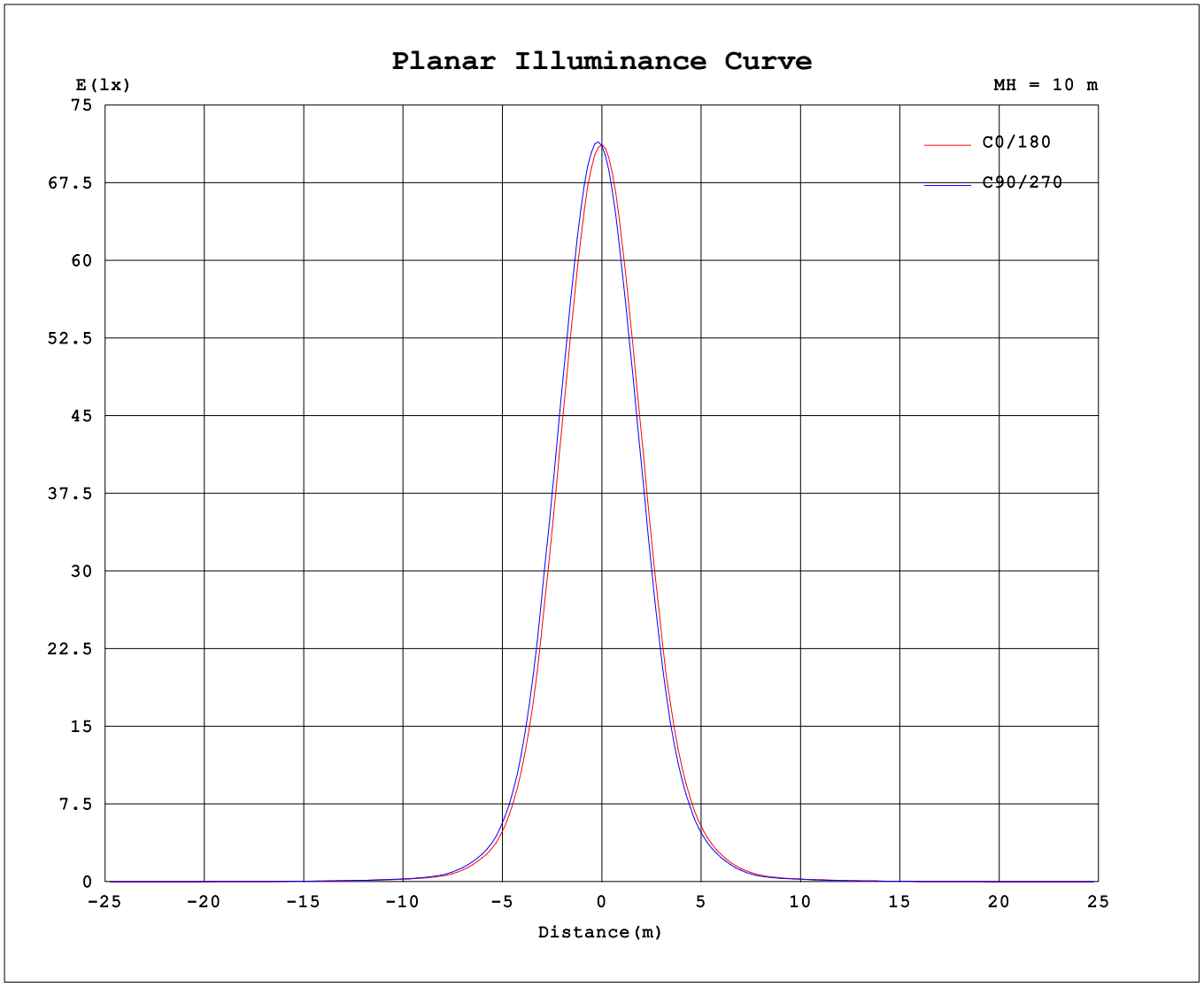
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 24D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1170A P:27.9W PF:0.9911 Freq:49.99Hz UTHDi:0.33% ITHDi:6.09% KDisp:0.9948 Lamp Flux:2218.61x1 lm		
NAME: HCP-10X2701-3000K RA90 24D 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	7112	7112	7112	7112	7112	7112	7112	7112
5	6557	6756	6812	6688	6477	6283	6233	6337
10	5101	5411	5474	5297	5007	4772	4704	4834
15	3387	3708	3773	3601	3306	3072	3008	3126
20	1789	2046	2067	1984	1796	1673	1607	1641
25	872	988	1003	986	928	885	824	811
30	421	482	489	502	476	465	427	415
35	209	245	252	252	238	222	206	201
40	106	119	123	123	115	106	100	102
45	76.1	80.3	81.2	81.1	77.7	72.9	71.0	73.6
50	58.2	60.6	60.5	59.4	56.6	53.7	52.7	55.4
55	43.0	44.6	44.8	44.0	42.1	40.0	39.3	40.9
60	32.6	33.7	33.7	33.5	32.3	31.3	31.0	31.3
65	26.4	27.4	27.4	27.0	26.1	25.0	24.8	25.2
70	19.9	20.8	20.7	20.2	19.4	18.5	18.5	18.8
75	14.0	14.8	14.7	14.1	13.3	12.6	12.6	13.0
80	8.64	9.27	9.17	8.55	7.82	7.17	7.28	7.76
85	3.78	4.29	4.20	3.62	2.94	2.39	2.51	2.99
90	0.11	0.08	0.12	0.08	0.10	0.10	0.11	0.09

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-14

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 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	7112	7112	7112	7112	7112	7112	7112	7112
3.0	6918	7043	7079	7007	6877	6746	6715	6782
6.0	6316	6540	6610	6461	6224	6012	5961	6071
9.0	5432	5728	5792	5616	5334	5101	5034	5164
12.0	4423	4748	4809	4637	4335	4098	4029	4157
15.0	3387	3708	3773	3601	3306	3072	3008	3126
18.0	2363	2652	2705	2567	2316	2148	2101	2154
21.0	1557	1767	1798	1719	1575	1477	1408	1429
24.0	1001	1143	1160	1136	1061	1003	945.5	946.1
27.0	638.3	731.5	746.5	743.8	707.7	679.1	628.1	609.7
30.0	420.9	481.5	489.0	502.0	476.1	464.9	427.4	415.1
33.0	282.2	325.4	330.9	335.6	318.5	304.9	279.9	273.8
36.0	179.5	213.2	217.2	219.5	205.6	187.1	172.0	170.9
39.0	117.4	135.1	139.5	139.9	129.6	118.8	111.2	112.6
42.0	90.46	98.08	100.3	100.9	95.68	89.41	85.30	87.78
45.0	76.13	80.26	81.20	81.10	77.70	72.86	70.96	73.59
48.0	65.08	67.76	68.13	67.31	64.29	60.44	59.31	62.27
51.0	54.97	57.25	56.96	55.88	53.19	50.56	49.54	52.28
54.0	45.62	47.59	47.65	46.64	44.48	42.33	41.64	43.45
57.0	38.27	39.60	39.75	39.23	37.61	35.88	35.37	36.39
60.0	32.61	33.69	33.70	33.51	32.34	31.25	31.03	31.25
63.0	29.05	29.75	29.78	29.65	29.04	27.77	27.49	27.97
66.0	24.99	25.99	26.01	25.52	24.70	23.65	23.48	23.86
69.0	21.10	22.05	22.03	21.50	20.69	19.77	19.70	20.04
72.0	17.43	18.30	18.24	17.69	16.90	16.06	16.06	16.45
75.0	13.95	14.75	14.67	14.09	13.30	12.55	12.61	13.04
78.0	10.70	11.41	11.27	10.70	9.936	9.263	9.350	9.816
81.0	7.625	8.227	8.130	7.506	6.784	6.162	6.274	6.769
84.0	4.704	5.238	5.141	4.544	3.856	3.284	3.401	3.892
87.0	2.016	2.471	2.396	1.844	1.201	0.6937	0.8033	1.274
90.0	0.1108	0.0820	0.1151	0.0829	0.0982	0.0990	0.1087	0.0938

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
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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: