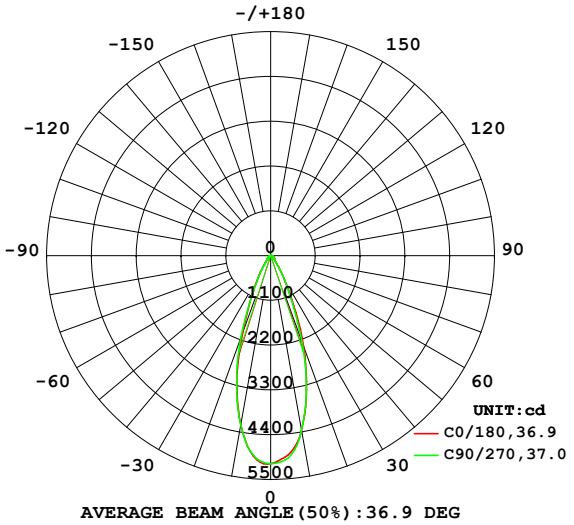
Photometric Filename: HCP-10X2701-5000K RA90 36D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

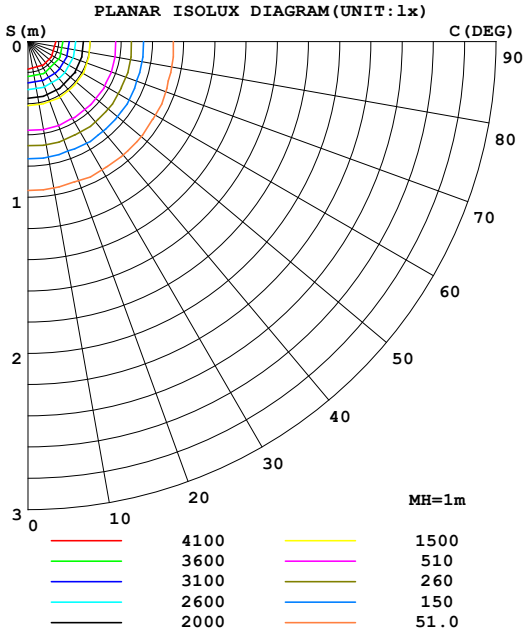
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 85.72 lm/W
MODEL		Imax(cd)	5121	S/MH(C0/180)	0.57
NOMINAL POWER(W)	29	LOR(%)	100.0	S/MH(C90/270)	0.58
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2372.8	η UP,DN(C0-180)	0.0,51.6
NOMINAL FLUX(lm)	2372.79	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.26	η down(%)	100.0	CIBSE SHR MAX	0.60

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):36.9 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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	4366	4420	4368	4288	4227	4219	4244	4293	0- 10	451.3	451.3	19,19
20	2386	2374	2261	2126	2041	2014	2138	2277	10- 20	902.8	1354	57.1,57.1
30	685.8	747.6	683.7	642.3	624.7	591.1	580.6	600.5	20- 30	573.3	1927	81.2,81.2
40	179.4	183.1	164.7	155.7	148.1	148.9	157.6	171.1	30- 40	216.9	2144	90.4,90.4
50	96.74	94.13	88.00	83.66	81.63	83.41	89.73	95.54	40- 50	90.49	2235	94.2,94.2
60	58.89	57.06	54.16	52.38	51.35	51.98	55.17	58.18	50- 60	62.72	2297	96.8,96.8
70	37.12	36.00	33.47	31.40	30.32	30.91	33.68	36.21	60- 70	44.16	2342	98.7,98.7
80	16.53	15.71	13.67	12.02	11.34	11.90	13.89	15.70	70- 80	24.69	2366	99.7,99.7
90	0.2604	0.1190	0.1497	0.1348	0.1551	0.1484	0.1449	0.1270	80- 90	6.471	2373	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): 2193.8 lm

%lum = 92.5%
%lamp = 92.5%

Conical surface Flux(120deg): 2297.5 lm

%lum = 96.8%
%lamp = 96.8%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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:

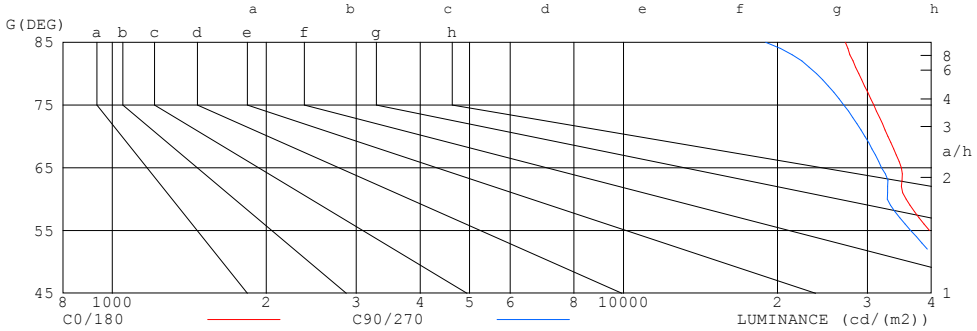
Photometric Filename: HCP-10X2701-5000K RA90 36D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz **UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm**		
NAME: HCP-10X2701-5000K RA90 36D 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	27144	18974
80	28860	23849
75	30861	26973
70	32911	29657
65	34979	31986
60	35715	32824
55	39682	36463
50	45636	41487
45	52264	48764

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

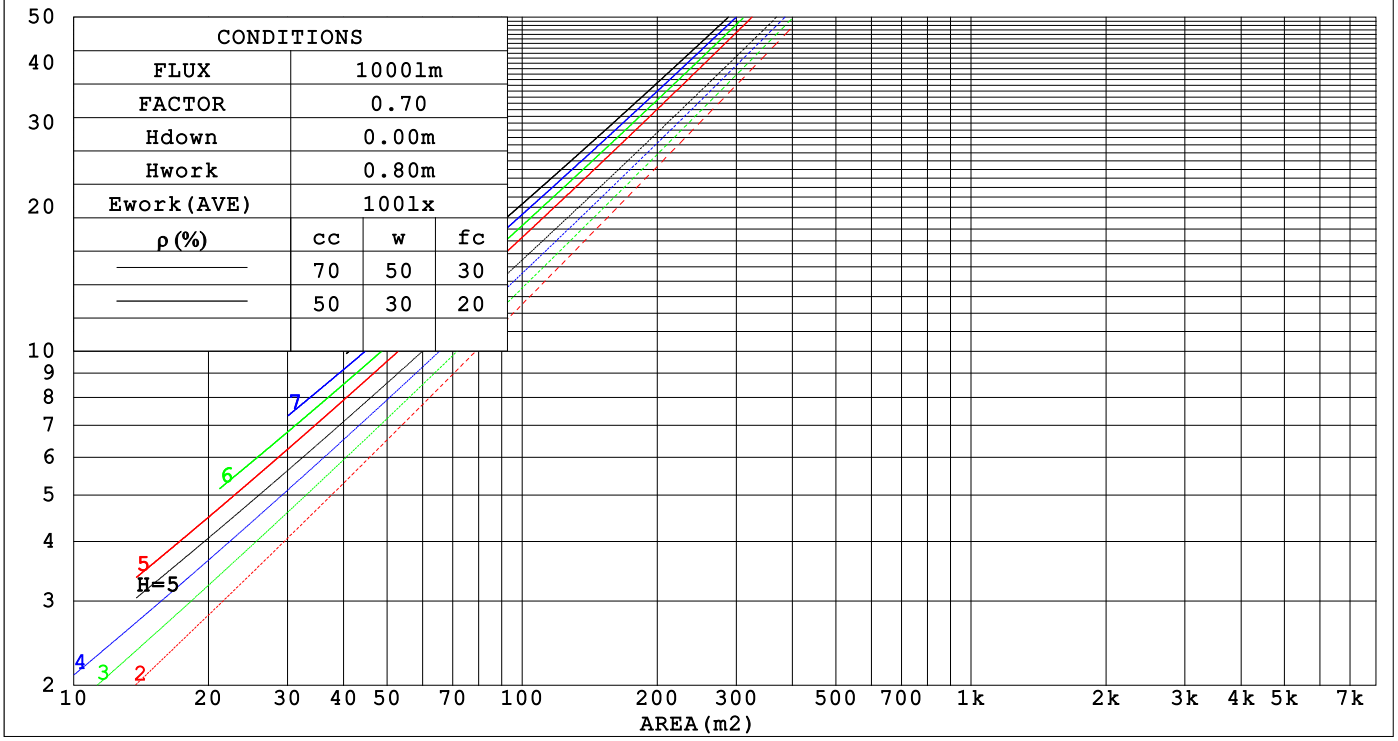
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D 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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94
2.0	1.04	.00	.97	1.02	.99	.96	.99	.96	.93	.96	.94	.91	.93	.91	.90	.88
3.0	.98	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.82	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.83	.79	.76	.81	.78	.76	.74
6.0	.83	.77	.73	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.74	.72	.70
7.0	.79	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.64
9.0	.72	.67	.63	.72	.67	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.61
10.0	.69	.64	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.67	.63	.60	.59

LAMPS

LUMINAIRE BUDGETARY DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D 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	.174	.099	.031	.168	.096	.030	.155	.089	.028	.143	.083	.027	.133	.077	.025	
2.0	.164	.090	.028	.158	.087	.027	.148	.082	.026	.138	.077	.024	.129	.073	.023	
3.0	.154	.082	.024	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021	
4.0	.144	.075	.022	.140	.073	.022	.133	.070	.021	.126	.067	.020	.119	.065	.020	
5.0	.136	.069	.020	.133	.068	.020	.126	.066	.019	.120	.063	.019	.114	.061	.018	
6.0	.129	.065	.018	.126	.064	.018	.120	.061	.018	.115	.060	.018	.110	.058	.017	
7.0	.122	.060	.017	.120	.060	.017	.114	.058	.017	.110	.056	.016	.105	.055	.016	
8.0	.116	.057	.016	.114	.056	.016	.109	.055	.016	.105	.053	.015	.101	.052	.015	
9.0	.111	.054	.015	.109	.053	.015	.105	.052	.015	.101	.051	.015	.097	.050	.014	
10.0	.106	.051	.014	.104	.050	.014	.101	.049	.014	.097	.048	.014	.094	.047	.014	

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.122	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.114	.077	.051	.098	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.100	.063	.038	.086	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.090	.053	.029	.078	.046	.025	.054	.033	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D 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	21.2	22.1	21.4	22.2	22.4	20.9	21.8	21.2	22.0	22.1
3H	22.1	22.9	22.4	23.1	23.3	21.8	22.6	22.0	22.8	23.0
4H	22.6	23.3	22.8	23.5	23.7	22.2	22.9	22.4	23.1	23.4
6H	22.9	23.6	23.2	23.8	24.1	22.4	23.2	22.7	23.4	23.6
8H	23.0	23.7	23.3	24.0	24.2	22.5	23.2	22.8	23.5	23.7
12H	23.1	23.8	23.4	24.0	24.3	22.6	23.2	22.9	23.5	23.8
4H 2H	21.5	22.3	21.8	22.5	22.7	21.3	22.0	21.5	22.2	22.5
3H	22.6	23.3	23.0	23.6	23.8	22.3	23.0	22.7	23.3	23.6
4H	23.2	23.8	23.5	24.1	24.4	22.8	23.5	23.2	23.8	24.1
6H	23.7	24.2	24.0	24.5	24.9	23.2	23.8	23.6	24.1	24.4
8H	23.8	24.3	24.2	24.7	25.0	23.4	23.9	23.7	24.2	24.6
12H	23.9	24.4	24.4	24.8	25.2	23.4	23.9	23.8	24.3	24.6
8H 4H	23.4	23.9	23.7	24.2	24.6	23.0	23.5	23.4	23.9	24.3
6H	23.9	24.4	24.4	24.8	25.2	23.6	24.0	24.0	24.4	24.8
8H	24.2	24.6	24.6	25.0	25.4	23.7	24.1	24.2	24.5	25.0
12H	24.4	24.7	24.9	25.1	25.6	23.9	24.2	24.3	24.6	25.1
12H 4H	23.3	23.8	23.8	24.2	24.6	23.0	23.5	23.5	23.9	24.3
6H	24.0	24.3	24.4	24.8	25.2	23.6	24.0	24.0	24.4	24.8
8H	24.3	24.6	24.7	25.0	25.5	23.8	24.1	24.3	24.6	25.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.5 / - 0.5					+ 0.5 / - 0.6				
1.5H	+ 1.0 / - 0.3					+ 0.9 / - 0.5				
2.0H	+ 0.5 / - 0.4					+ 0.5 / - 0.5				

CIE Pub.117, 2373 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 3.0)
Area: 0.0033 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D 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	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	94	91	87
1.50	105	100	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	108	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	

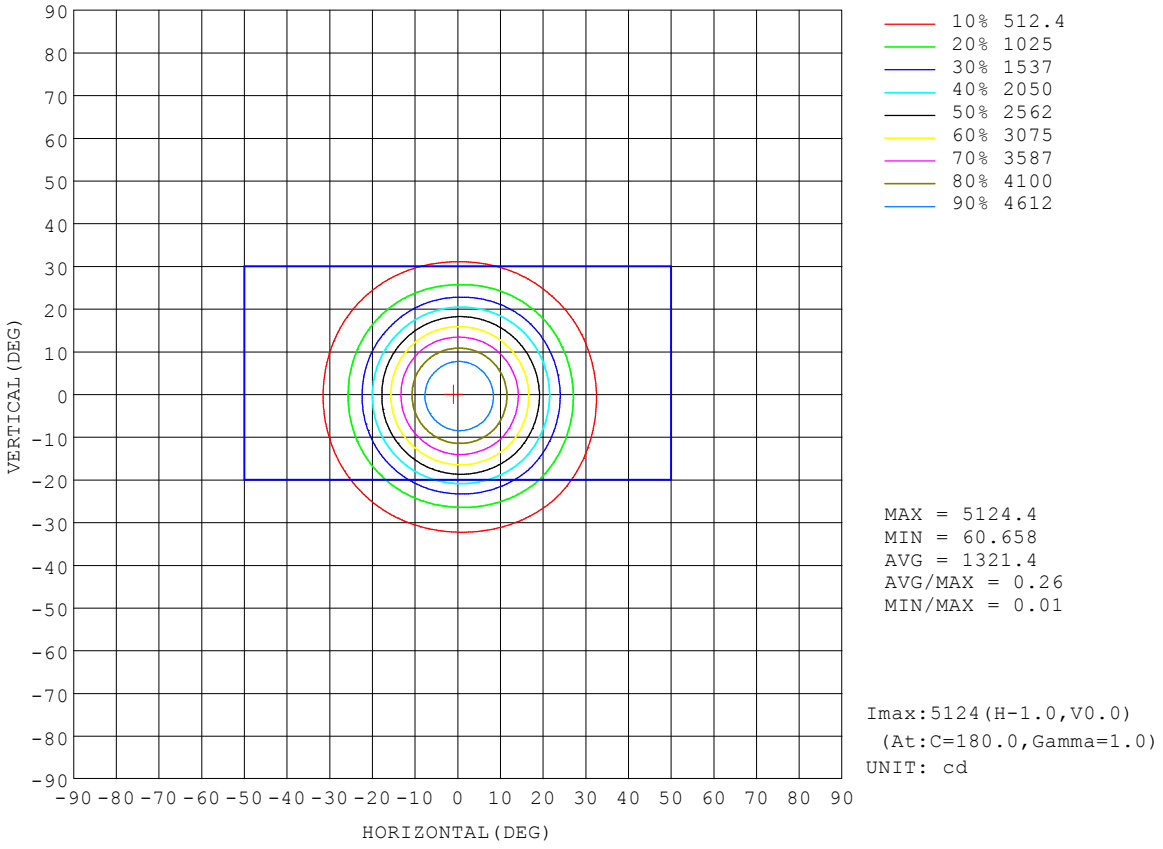
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D 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:2023-11-16

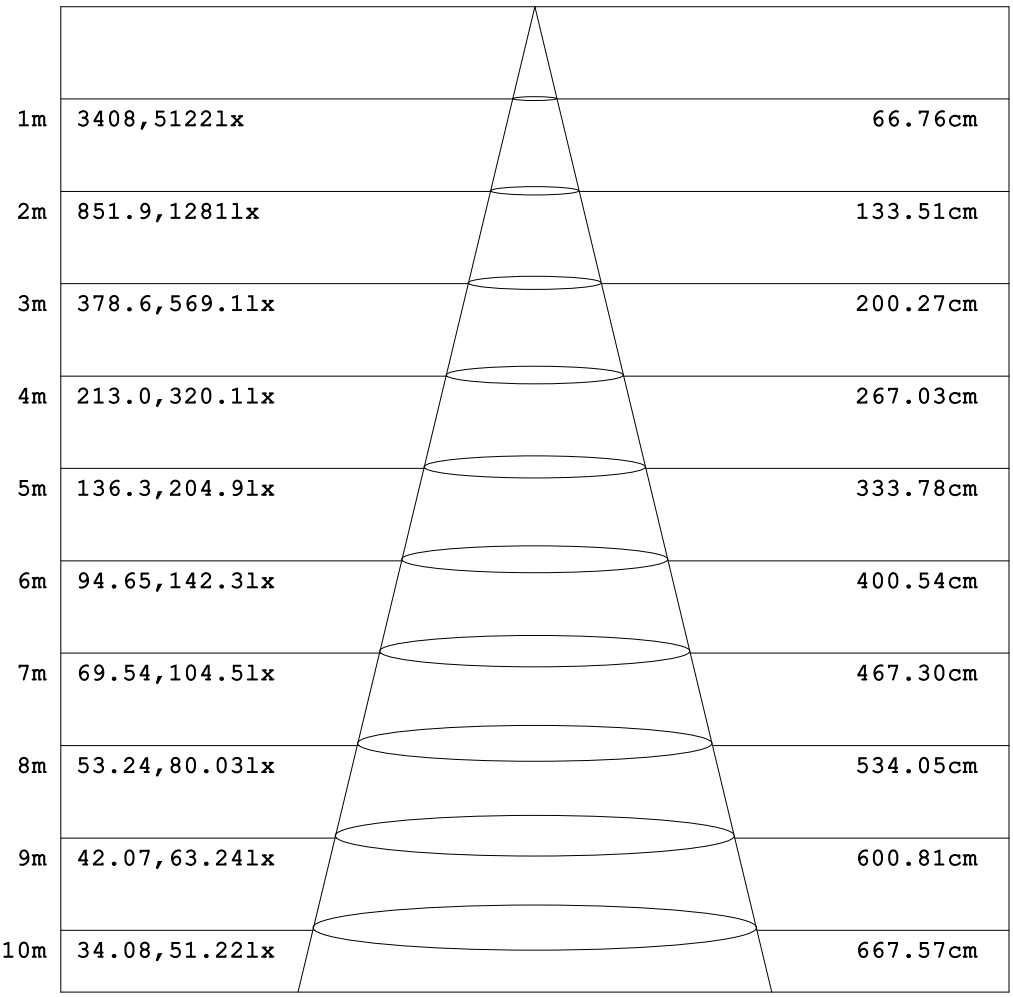
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2701-5000K RA90 36D WHITE

AAI Figure

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

Flux out:1269 lm



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

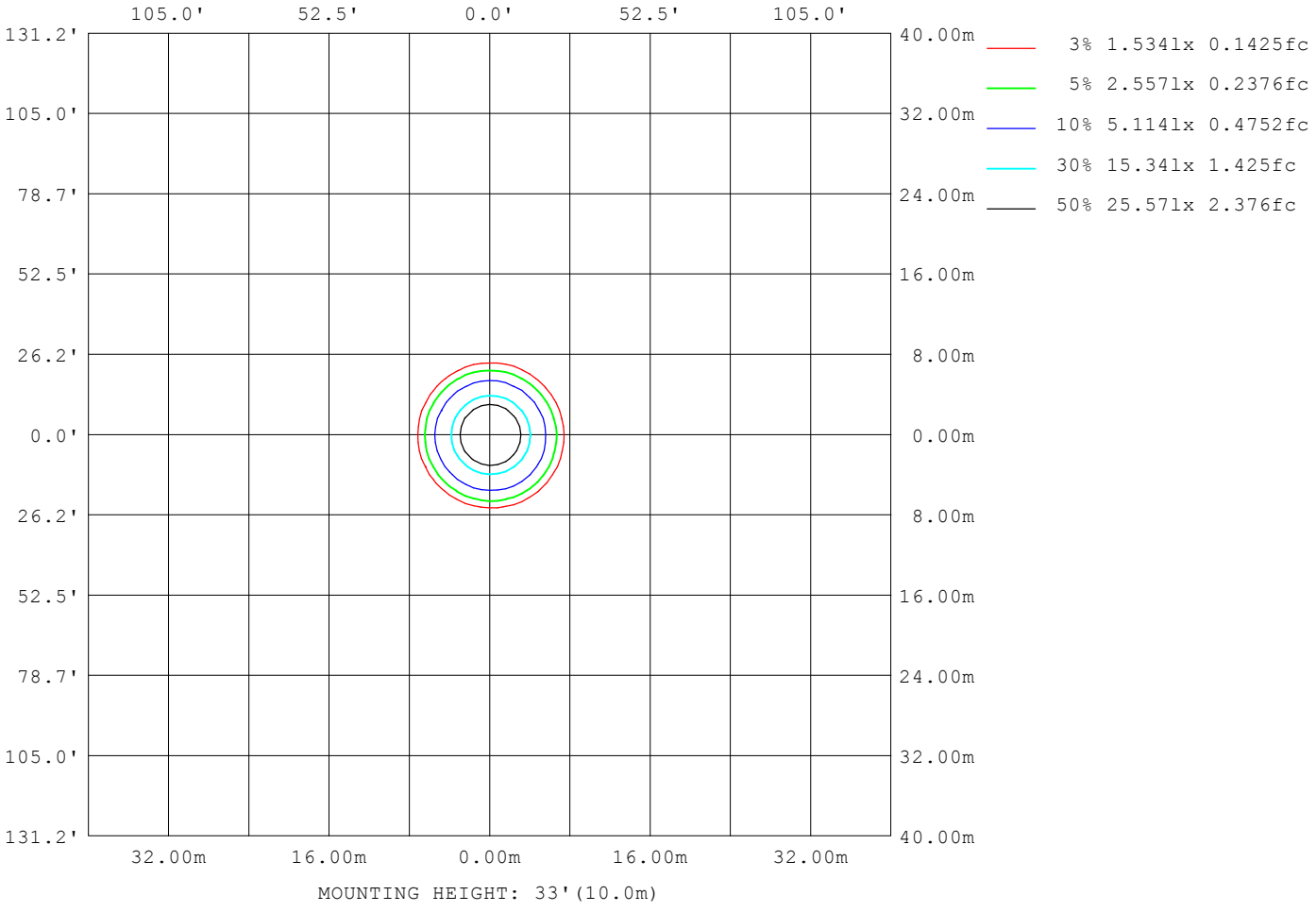
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz **UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm**		
NAME: HCP-10X2701-5000K RA90 36D 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:2023-11-16

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:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 65mm	Shielding Angle:

AvgL	cd/m2
L_0~180(65)av	32219
L_0~180(75)av	27359
L_0~180(85)av	19560
L_90~270(65)av	32135
L_90~270(75)av	27109
L_90~270(85)av	19176
L_45(65)av	32195
L_45(75)av	27196
L_45(85)av	19282

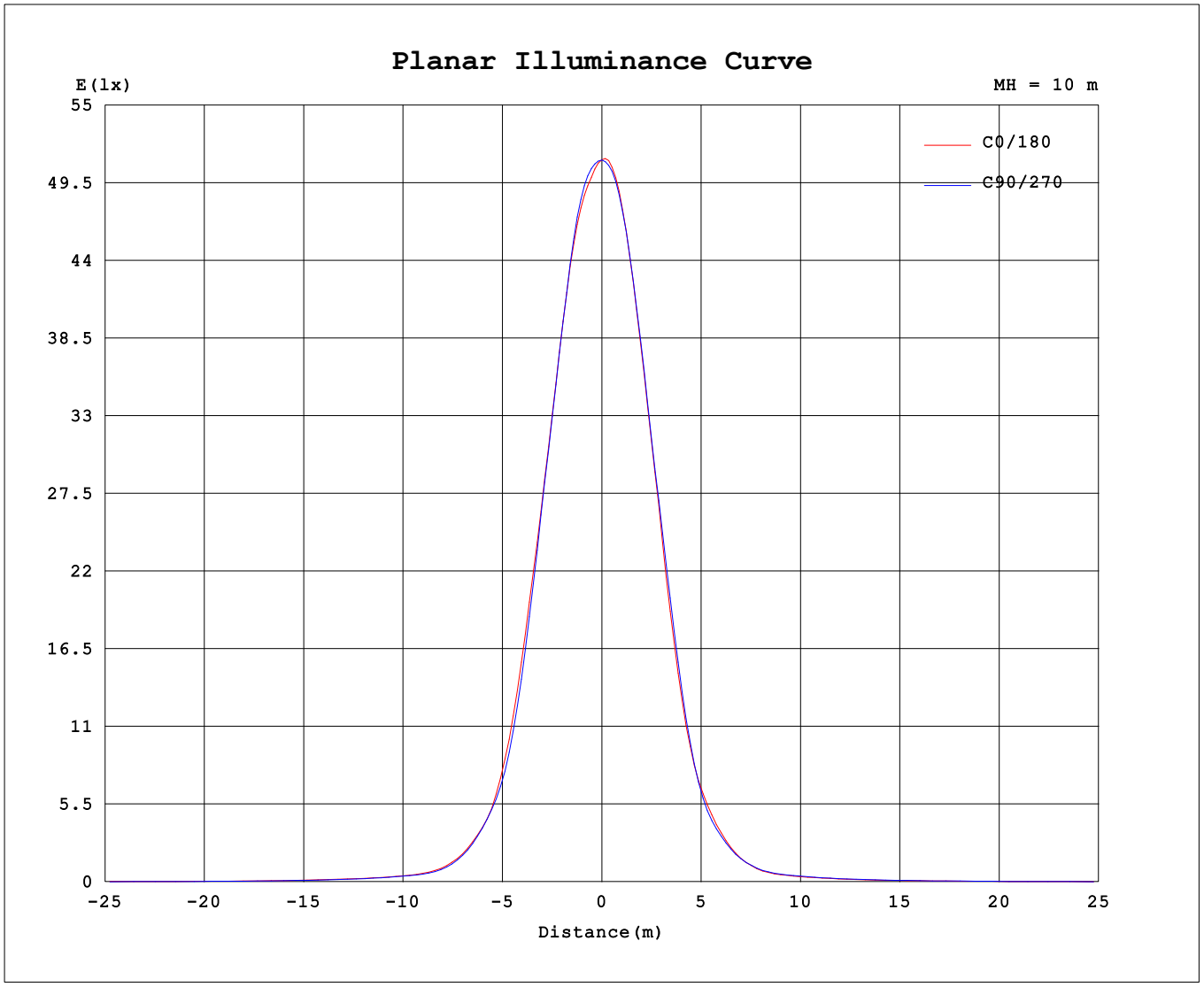
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K RA90 36D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1163A P:27.7W PF:0.9905 Freq:49.99Hz UTHDi:0.34% ITHDi:12.77% KDisp:0.9944 Lamp Flux:2372.79x1 lm		
NAME: HCP-10X2701-5000K RA90 36D 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	5111	5111	5111	5111	5111	5111	5111	5111
5	4914	4950	4986	4976	4943	4922	4920	4907
10	4366	4420	4368	4288	4227	4219	4244	4293
15	3418	3474	3397	3280	3219	3223	3246	3317
20	2386	2374	2261	2126	2041	2014	2138	2277
25	1356	1383	1232	1150	1108	1097	1121	1253
30	686	748	684	642	625	591	581	600
35	364	382	344	317	304	297	300	329
40	179	183	165	156	148	149	158	171
45	122	121	114	110	107	107	114	120
50	96.7	94.1	88.0	83.7	81.6	83.4	89.7	95.5
55	75.1	72.6	69.0	65.7	63.5	64.6	70.1	74.5
60	58.9	57.1	54.2	52.4	51.3	52.0	55.2	58.2
65	48.8	47.5	44.6	42.4	41.1	41.8	45.0	48.0
70	37.1	36.0	33.5	31.4	30.3	30.9	33.7	36.2
75	26.3	25.4	23.0	21.2	20.4	20.9	23.3	25.4
80	16.5	15.7	13.7	12.0	11.3	11.9	13.9	15.7
85	7.80	7.11	5.46	4.03	3.45	3.97	5.57	7.07
90	0.26	0.12	0.15	0.13	0.16	0.15	0.14	0.13

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-16

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-10X2701-5000K 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	5111	5111	5111	5111	5111	5111	5111	5111
3.0	5007	5033	5072	5089	5078	5061	5051	5024
6.0	4849	4888	4913	4879	4834	4812	4826	4825
9.0	4522	4578	4541	4463	4401	4386	4413	4461
12.0	4006	4065	4003	3912	3843	3855	3872	3933
15.0	3418	3474	3397	3280	3219	3223	3246	3317
18.0	2797	2835	2730	2586	2505	2505	2608	2688
21.0	2158	2159	2027	1910	1816	1780	1913	2059
24.0	1539	1544	1403	1311	1256	1242	1291	1441
27.0	1035	1078	954.6	903.2	884.1	858.4	838.4	933.6
30.0	685.8	747.6	683.7	642.3	624.7	591.1	580.6	600.5
33.0	480.9	510.2	462.2	430.3	414.5	397.5	396.2	424.4
36.0	314.0	329.8	293.4	270.9	259.1	255.5	259.9	286.6
39.0	203.5	212.5	186.2	175.0	166.2	166.8	175.3	191.6
42.0	146.8	147.8	136.7	130.6	125.6	126.1	134.4	143.2
45.0	121.9	121.5	113.8	109.7	106.7	107.2	114.4	120.2
48.0	106.3	105.1	97.43	92.26	89.95	92.45	99.72	105.0
51.0	92.25	89.43	83.76	79.73	77.66	79.28	85.49	90.95
54.0	79.02	76.41	72.55	69.01	66.91	67.97	73.68	78.32
57.0	67.95	65.85	62.35	59.34	57.72	58.87	63.39	67.35
60.0	58.89	57.06	54.16	52.38	51.35	51.98	55.17	58.18
63.0	52.50	51.42	49.27	47.01	45.59	46.35	49.78	52.06
66.0	46.40	45.07	42.35	40.14	38.89	39.52	42.72	45.48
69.0	39.40	38.23	35.66	33.54	32.42	33.04	35.88	38.47
72.0	32.72	31.66	29.15	27.21	26.19	26.80	29.39	31.76
75.0	26.34	25.38	23.04	21.21	20.39	20.89	23.27	25.43
78.0	20.32	19.47	17.27	15.56	14.82	15.40	17.51	19.47
81.0	14.68	13.88	11.91	10.31	9.657	10.25	12.13	13.90
84.0	9.473	8.737	6.996	5.498	4.916	5.455	7.138	8.715
87.0	4.658	4.032	2.549	1.230	0.6226	1.156	2.619	3.983
90.0	0.2604	0.1190	0.1497	0.1348	0.1551	0.1484	0.1449	0.1270

C Range: 0 - 360DEG
C Interval: 45.0DEG
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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: