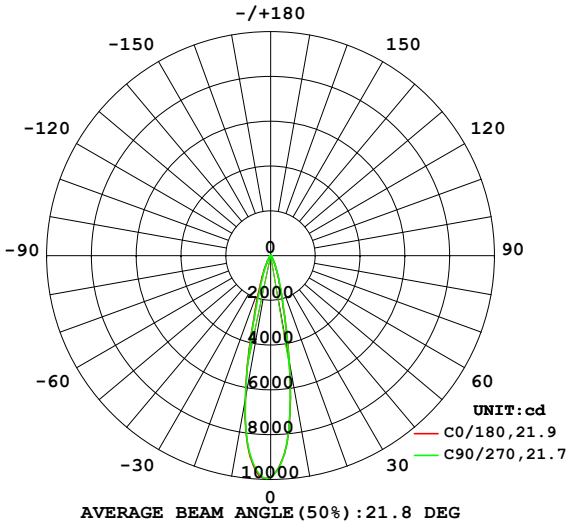
Photometric Filename: HCP-10X2501-4000K RA90 18D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.: 25W	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

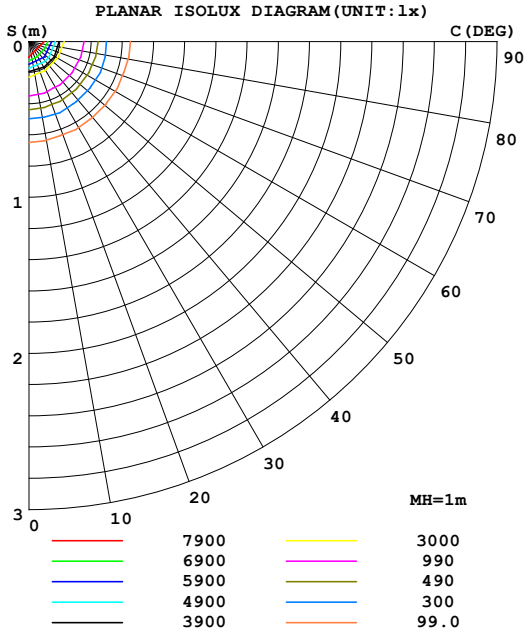
DATA OF LAMP		PHOTOMETRIC DATA			Eff: 77.05 lm/W
MODEL		Imax(cd)	9992	S/MH(C0/180)	0.39
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1883.2	η UP,DN(C0-180)	0.0,45.1
NOMINAL FLUX(lm)	1883.15	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.17	η down(%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):21.8 DEG

PLANAR ISOLUX DIAGRAM(UNIT:lx)



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

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	4833	4508	4775	5645	6579	6938	6577	5646	0- 10	742.3	742.3	39.4,39.4
20	972.8	971.9	1021	1201	1354	1352	1184	1054	10- 20	729.4	1472	78.2,78.2
30	237.4	235.0	248.0	289.9	324.0	306.9	285.7	257.9	20- 30	273.4	1745	92.7,92.7
40	40.89	38.90	42.72	54.34	65.32	64.66	58.37	48.31	30- 40	84.82	1830	97.2,97.2
50	17.06	16.35	16.36	18.24	21.04	21.66	20.37	17.82	40- 50	23.12	1853	98.4,98.4
60	11.77	11.30	11.34	12.32	13.47	13.70	13.23	12.41	50- 60	13.16	1866	99.1,99.1
70	6.650	6.246	6.518	7.426	8.458	8.834	8.451	7.485	60- 70	9.988	1876	99.6,99.6
80	2.501	2.238	2.440	3.001	3.677	3.888	3.662	2.999	70- 80	5.451	1882	99.9,99.9
90	0.0834	0.0596	0.0902	0.0533	0.0642	0.1984	0.0725	0.0517	80- 90	1.480	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): 1843.7 lm

%lum = 97.9%
%lamp = 97.9%

Conical surface Flux(120deg): 1866.2 lm

%lum = 99.1%
%lamp = 99.1%

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:

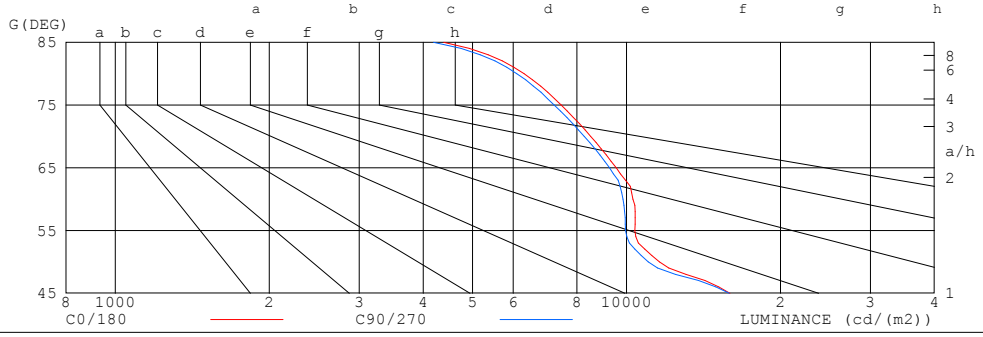
Photometric Filename: HCP-10X2501-4000K RA90 18D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz **UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm**		
NAME: HCP-10X2501-4000K RA90 18D 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	4389	4193
80	6299	6094
75	7450	7222
70	8502	8265
65	9541	9258
60	10295	9840
55	10381	9956
50	11606	11036
45	15922	15873

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-10X2501-4000K RA90 18D WHITE

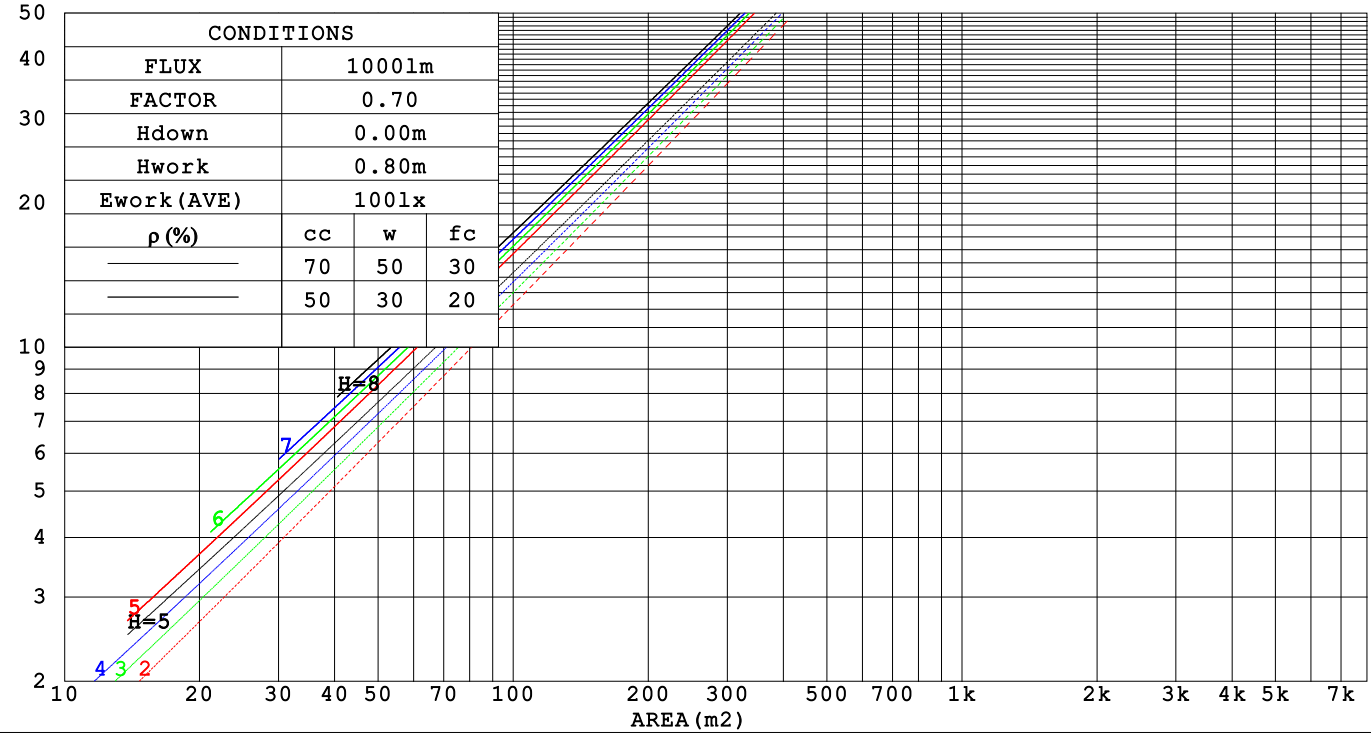
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	1.13	1.11	1.09	1.11	1.09	1.07	1.07	1.05	1.04	1.03	1.02	1.01	.00	.99	.98	.96
2.0	1.07	1.04	1.02	1.06	1.03	1.01	1.03	1.00	.98	.00	.98	.96	.97	.96	.94	.93
3.0	1.03	.99	.96	1.01	.98	.95	.99	.96	.94	.97	.94	.93	.95	.93	.91	.90
4.0	.99	.95	.92	.98	.94	.91	.96	.93	.90	.94	.91	.89	.92	.90	.88	.87
5.0	.95	.91	.88	.94	.90	.88	.93	.89	.87	.91	.88	.86	.90	.87	.85	.84
6.0	.92	.88	.85	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.82
7.0	.89	.85	.82	.88	.85	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80
8.0	.86	.82	.79	.86	.82	.79	.85	.81	.79	.84	.81	.79	.83	.80	.78	.77
9.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.78	.76	.75
10.0	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.79	.77	.75	.74

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-10X2501-4000K RA90 18D WHITE

WEC AND CCEC

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	.139	.079	.025	.133	.076	.024	.120	.069	.022	.109	.063	.020	.099	.057	.018	
2.0	.129	.071	.022	.124	.068	.021	.113	.063	.020	.104	.058	.018	.095	.054	.017	
3.0	.120	.064	.019	.116	.062	.019	.107	.058	.018	.099	.054	.017	.092	.051	.016	
4.0	.112	.058	.017	.108	.057	.017	.101	.054	.016	.094	.051	.015	.088	.048	.015	
5.0	.105	.054	.016	.102	.052	.015	.096	.050	.015	.090	.048	.014	.085	.045	.014	
6.0	.099	.050	.014	.097	.049	.014	.091	.047	.014	.086	.045	.013	.082	.043	.013	
7.0	.094	.047	.013	.092	.046	.013	.087	.044	.013	.083	.043	.012	.079	.041	.012	
8.0	.090	.044	.012	.087	.043	.012	.083	.042	.012	.080	.040	.012	.076	.039	.011	
9.0	.085	.041	.012	.084	.041	.011	.080	.040	.011	.077	.038	.011	.074	.037	.011	
10.0	.082	.039	.011	.080	.039	.011	.077	.038	.011	.074	.037	.010	.071	.036	.010	

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	.169	.158	.148	.144	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.017	
2.0	.151	.133	.118	.129	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014	
3.0	.136	.113	.096	.116	.098	.083	.080	.068	.058	.046	.040	.034	.015	.013	.011	
4.0	.123	.098	.079	.106	.085	.068	.073	.059	.048	.042	.035	.028	.014	.011	.009	
5.0	.113	.086	.066	.097	.074	.057	.067	.052	.040	.039	.030	.024	.012	.010	.008	
6.0	.104	.076	.056	.089	.066	.048	.061	.046	.034	.036	.027	.020	.011	.009	.007	
7.0	.096	.067	.047	.083	.058	.041	.057	.041	.029	.033	.024	.017	.011	.008	.006	
8.0	.089	.061	.041	.077	.053	.036	.053	.037	.025	.031	.022	.015	.010	.007	.005	
9.0	.084	.055	.036	.072	.048	.031	.050	.034	.022	.029	.020	.013	.009	.007	.004	
10.0	.079	.050	.031	.068	.044	.027	.047	.031	.019	.027	.018	.012	.009	.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-10X2501-4000K RA90 18D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	13.3	13.9	13.5	14.1	14.2	13.3	13.9	13.5	14.1	14.2
3H	13.8	14.4	14.0	14.6	14.8	13.8	14.4	14.0	14.6	14.8
4H	14.0	14.6	14.3	14.8	15.0	14.0	14.6	14.3	14.8	15.0
6H	14.2	14.7	14.5	15.0	15.2	14.2	14.7	14.4	14.9	15.2
8H	14.2	14.7	14.5	15.0	15.2	14.2	14.7	14.5	15.0	15.2
12H	14.2	14.7	14.5	15.0	15.3	14.2	14.7	14.5	15.0	15.2
4H 2H	13.4	14.0	13.7	14.2	14.4	13.4	14.0	13.7	14.2	14.4
3H	14.1	14.6	14.4	14.9	15.1	14.1	14.6	14.4	14.9	15.1
4H	14.4	14.9	14.7	15.2	15.5	14.4	14.9	14.7	15.1	15.4
6H	14.6	15.0	15.0	15.4	15.7	14.6	15.0	15.0	15.3	15.7
8H	14.7	15.1	15.1	15.4	15.8	14.6	15.0	15.0	15.4	15.7
12H	14.7	15.1	15.1	15.4	15.8	14.7	15.0	15.1	15.4	15.8
8H 4H	14.4	14.8	14.8	15.2	15.5	14.4	14.8	14.8	15.2	15.5
6H	14.7	15.1	15.2	15.5	15.9	14.7	15.0	15.1	15.4	15.8
8H	14.8	15.1	15.3	15.5	16.0	14.8	15.1	15.2	15.5	15.9
12H	14.9	15.1	15.3	15.6	16.0	14.8	15.1	15.3	15.5	16.0
12H 4H	14.4	14.8	14.8	15.1	15.5	14.4	14.8	14.8	15.1	15.5
6H	14.7	15.0	15.2	15.4	15.9	14.7	15.0	15.1	15.4	15.8
8H	14.8	15.1	15.3	15.5	16.0	14.8	15.0	15.3	15.5	15.9

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.3 / - 0.9	+ 1.5 / - 1.0
1.5H	+ 2.6 / - 0.8	+ 2.8 / - 1.0
2.0H	+ 0.9 / - 0.5	+ 0.9 / - 0.5

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:2023-11-20

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-10X2501-4000K RA90 18D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	90	84	80	89	84	80	89	83	80	77
0.80	97	91	88	96	91	88	95	91	88	84
1.00	101	96	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	102	98	95	91
1.50	107	103	99	106	102	99	104	100	98	94
2.00	109	105	102	108	104	102	105	102	100	95
2.50	111	107	104	109	106	104	106	104	102	96
3.00	112	109	107	111	108	105	107	105	103	97
4.00	114	112	110	112	110	108	109	107	105	99
5.00	115	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

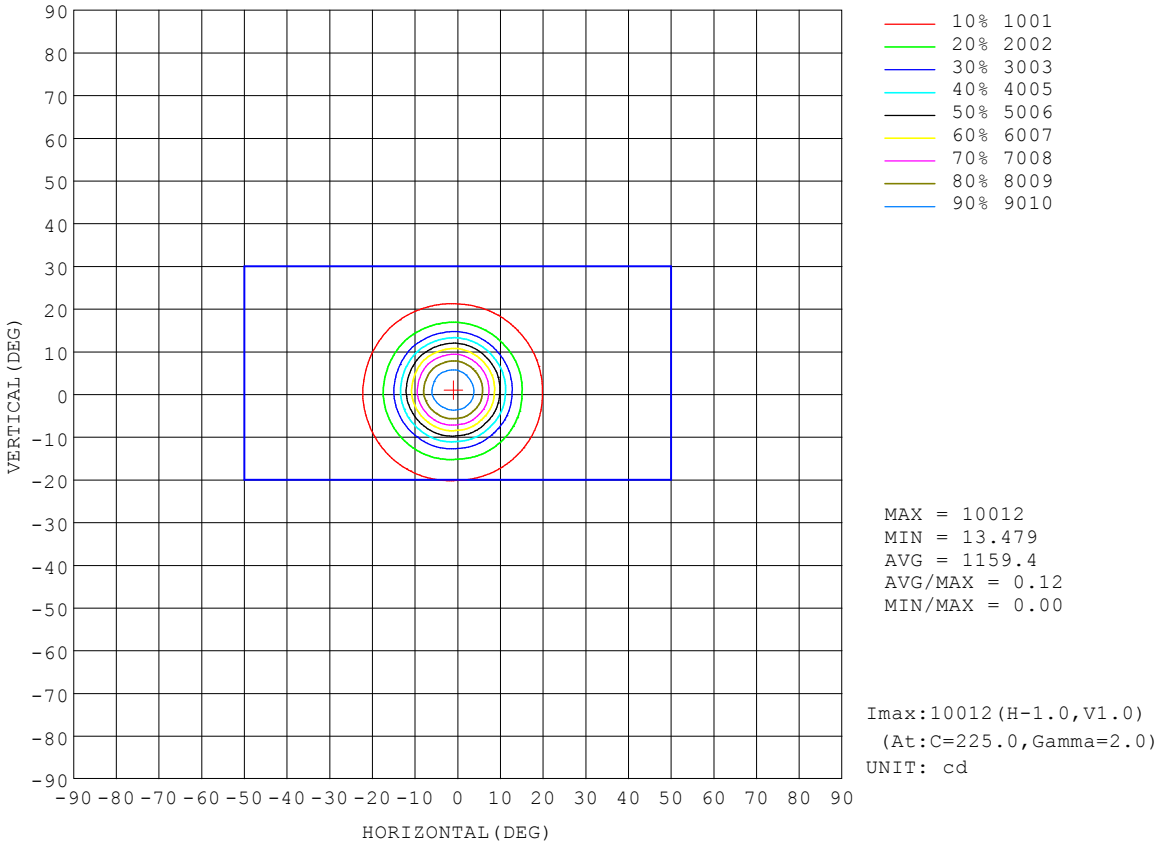
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 18D WHITE

ISOCANDELA DIAGRAM

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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

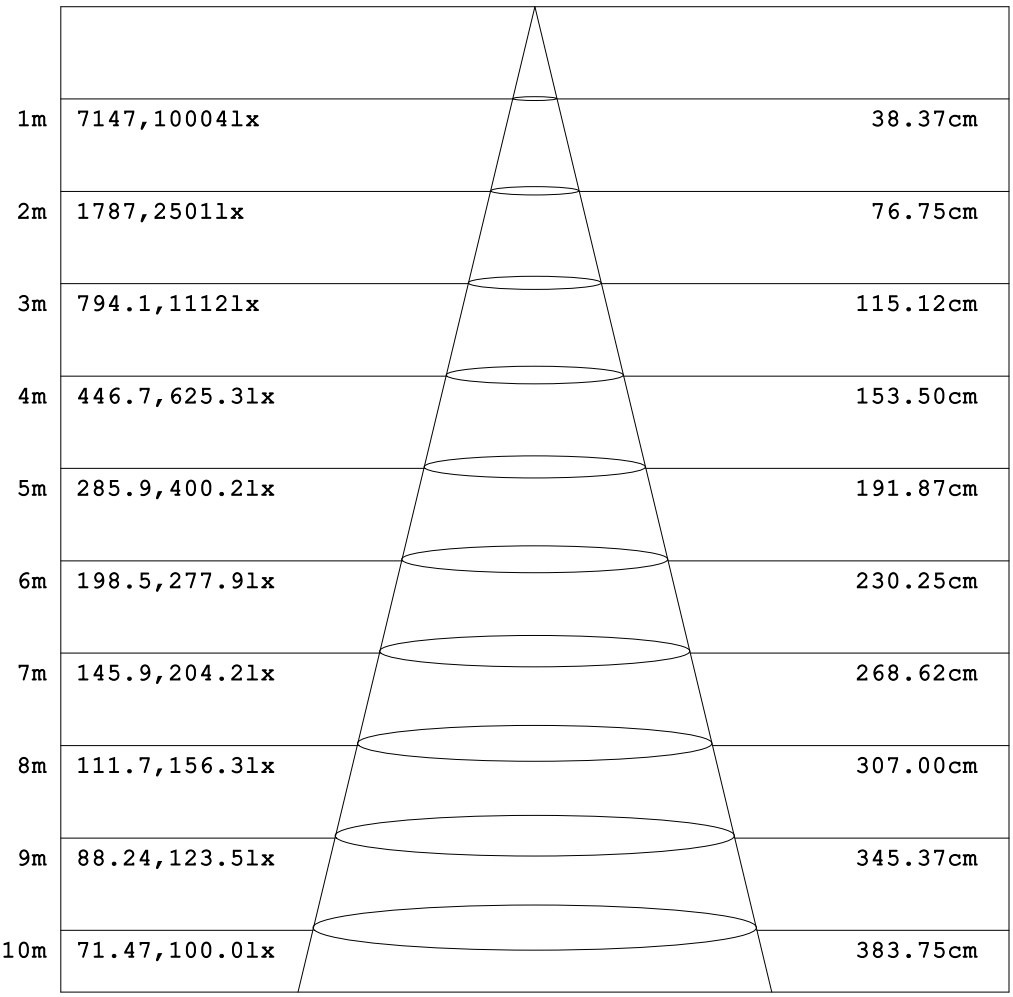
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-4000K RA90 18D WHITE

AAI Figure

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:848.4 lm



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

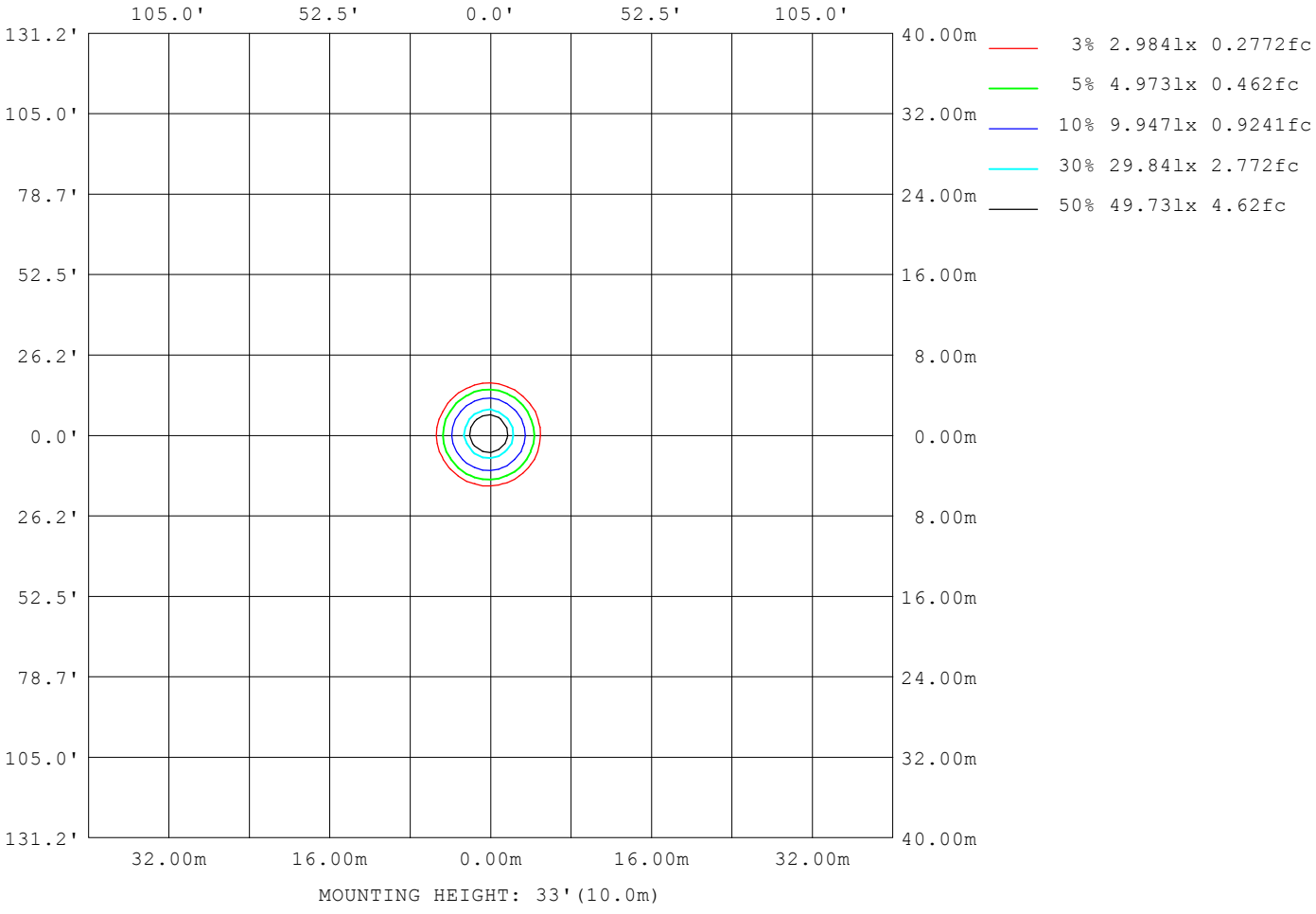
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-4000K RA90 18D WHITE

ISOLUX DIAGRAM

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

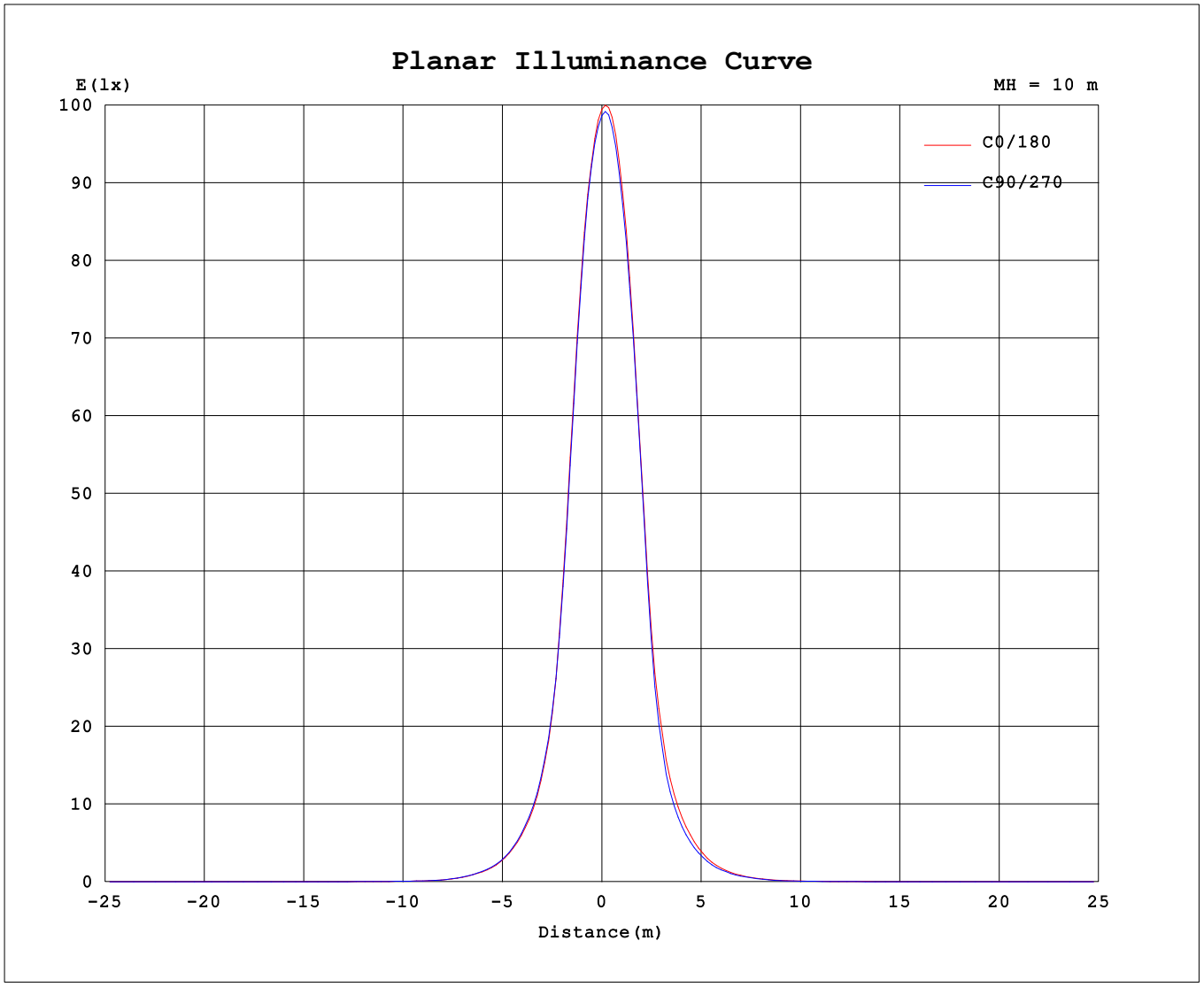
AvgL	cd/m2
L_0~180(65)av	10567
L_0~180(75)av	8656
L_0~180(85)av	6586
L_90~270(65)av	10402
L_90~270(75)av	8567
L_90~270(85)av	6448
L_45(65)av	10447
L_45(75)av	8562
L_45(85)av	6307

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:

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-10X2501-4000K RA90 18D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.2V I:0.1036A P:24.4W PF:0.9822 Freq:49.99Hz UTHDi:0.35% ITHDi:7.99% KDisp:0.9883 Lamp Flux:1883.15x1 lm		
NAME: HCP-10X2501-4000K RA90 18D 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	9891	9891	9891	9891	9891	9891	9891	9891
5	8408	8199	8389	8869	9329	9485	9256	8801
10	4833	4508	4775	5645	6579	6938	6577	5646
15	2003	1987	2062	2457	2961	3148	2794	2303
20	973	972	1021	1201	1354	1352	1184	1054
25	493	487	514	613	691	662	594	537
30	237	235	248	290	324	307	286	258
35	110	104	115	138	152	144	138	124
40	40.9	38.9	42.7	54.3	65.3	64.7	58.4	48.3
45	25.7	25.2	25.9	29.5	32.0	31.7	29.6	27.2
50	17.1	16.3	16.4	18.2	21.0	21.7	20.4	17.8
55	13.6	13.2	13.2	14.0	15.3	15.6	15.3	14.2
60	11.8	11.3	11.3	12.3	13.5	13.7	13.2	12.4
65	9.22	8.75	9.02	10.04	11.3	11.7	11.2	10.1
70	6.65	6.25	6.52	7.43	8.46	8.83	8.45	7.49
75	4.41	4.08	4.31	5.05	5.90	6.18	5.89	5.08
80	2.50	2.24	2.44	3.00	3.68	3.89	3.66	3.00
85	0.87	0.67	0.84	1.25	1.77	1.92	1.74	1.22
90	0.08	0.06	0.09	0.05	0.06	0.20	0.07	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-10X2501-4000K RA90 18D 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	9891	9891	9891	9891	9891	9891	9891	9891
3.0	9229	9164	9263	9515	9831	9910	9783	9497
6.0	7826	7580	7794	8407	8979	9156	8895	8364
9.0	5639	5285	5577	6419	7319	7612	7282	6435
12.0	3397	3175	3372	4109	5033	5386	4980	4048
15.0	2003	1987	2062	2457	2961	3148	2794	2303
18.0	1286	1274	1338	1580	1811	1843	1613	1411
21.0	859.6	852.1	901.7	1049	1180	1165	1026	928.8
24.0	568.1	565.6	593.1	705.5	790.0	761.5	680.8	615.6
27.0	365.9	359.6	382.0	456.7	514.3	494.6	446.7	401.0
30.0	237.4	235.0	248.0	289.9	324.0	306.9	285.7	257.9
33.0	154.0	149.0	160.0	186.7	207.5	194.8	185.8	169.1
36.0	92.22	85.88	95.24	116.8	130.0	124.3	118.0	104.0
39.0	48.89	45.52	51.32	66.34	79.55	77.87	71.28	59.03
42.0	32.13	31.27	33.17	39.73	45.67	45.06	40.92	35.61
45.0	25.75	25.18	25.88	29.47	31.98	31.72	29.61	27.16
48.0	20.02	19.27	19.23	22.82	25.36	25.50	24.04	21.64
51.0	16.12	15.46	15.51	17.10	19.51	19.60	18.44	16.82
54.0	14.01	13.55	13.57	14.52	16.14	16.41	15.96	14.64
57.0	12.94	12.54	12.48	13.33	14.45	14.68	14.29	13.45
60.0	11.77	11.30	11.34	12.32	13.47	13.70	13.23	12.41
63.0	10.34	9.833	10.08	11.10	12.24	12.55	12.06	11.17
66.0	8.681	8.224	8.507	9.513	10.69	11.11	10.65	9.597
69.0	7.142	6.722	7.000	7.932	9.003	9.394	8.997	8.005
72.0	5.714	5.337	5.594	6.439	7.389	7.738	7.389	6.482
75.0	4.410	4.080	4.310	5.052	5.896	6.181	5.889	5.075
78.0	3.229	2.939	3.152	3.783	4.522	4.768	4.514	3.792
81.0	2.154	1.903	2.103	2.629	3.269	3.470	3.252	2.619
84.0	1.178	0.9659	1.144	1.577	2.131	2.288	2.103	1.554
87.0	0.2810	0.1002	0.2531	0.6061	1.058	1.210	1.045	0.5860
90.0	0.0834	0.0596	0.0902	0.0533	0.0642	0.1984	0.0725	0.0517

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: