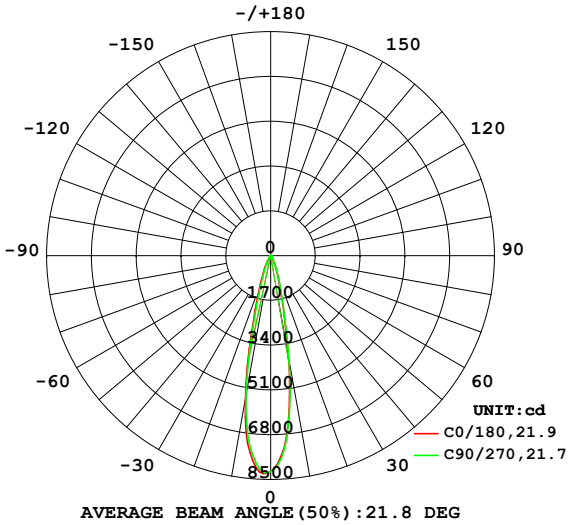
Photometric Filename: HCP-10X2501-5000K RA90 18D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

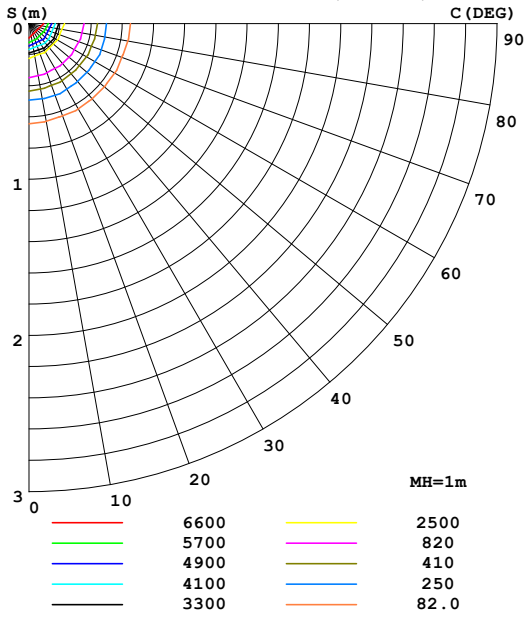
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 85.76 lm/W	
MODEL		Imax(cd)	8311	S/MH(C0/180)	0.40
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1561.2	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1561.23	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	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	3917	3699	4004	4810	5590	5780	5402	4578	0- 10	616.3	616.3	39.5,39.5
20	789.1	774.1	836.3	1052	1148	1090	962.3	886.9	10- 20	604.6	1221	78.2,78.2
30	192.3	187.1	204.2	257.3	275.7	245.3	233.5	214.9	20- 30	226.0	1447	92.7,92.7
40	32.88	31.37	35.58	47.65	55.86	52.84	47.38	39.30	30- 40	70.20	1517	97.2,97.2
50	13.98	13.44	13.59	15.40	17.77	17.98	16.70	14.67	40- 50	19.16	1536	98.4,98.4
60	9.717	9.311	9.447	10.30	11.22	11.36	10.96	10.31	50- 60	10.92	1547	99.1,99.1
70	5.448	5.116	5.433	6.270	7.098	7.341	6.980	6.178	60- 70	8.292	1555	99.6,99.6
80	2.024	1.816	2.045	2.565	3.117	3.234	3.010	2.447	70- 80	4.524	1560	99.9,99.9
90	0.0679	0.0478	0.0704	0.0412	0.0808	0.1759	0.0499	0.0419	80- 90	1.230	1561	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): 1528.5 lm

%lum = 97.9%
%lamp = 97.9%

Conical surface Flux(120deg): 1547.2 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:

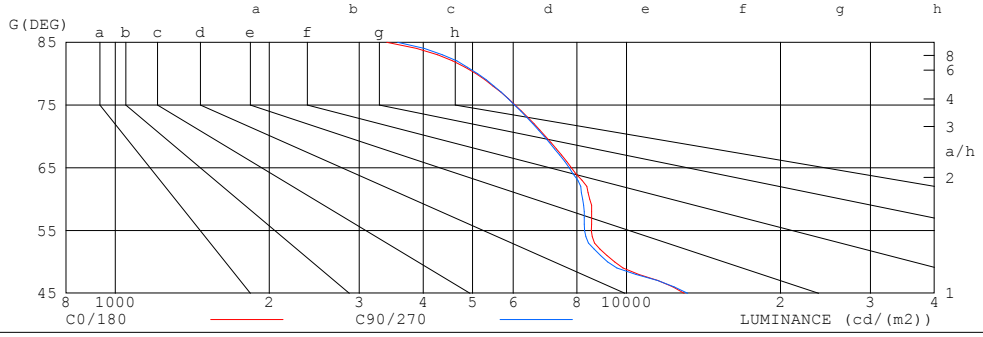
Photometric Filename: HCP-10X2501-5000K RA90 18D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz **UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm**		
NAME: HCP-10X2501-5000K 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	3397	3565
80	5079	5114
75	6053	6039
70	6940	6899
65	7806	7720
60	8467	8205
55	8533	8273
50	9476	9183
45	12958	13164

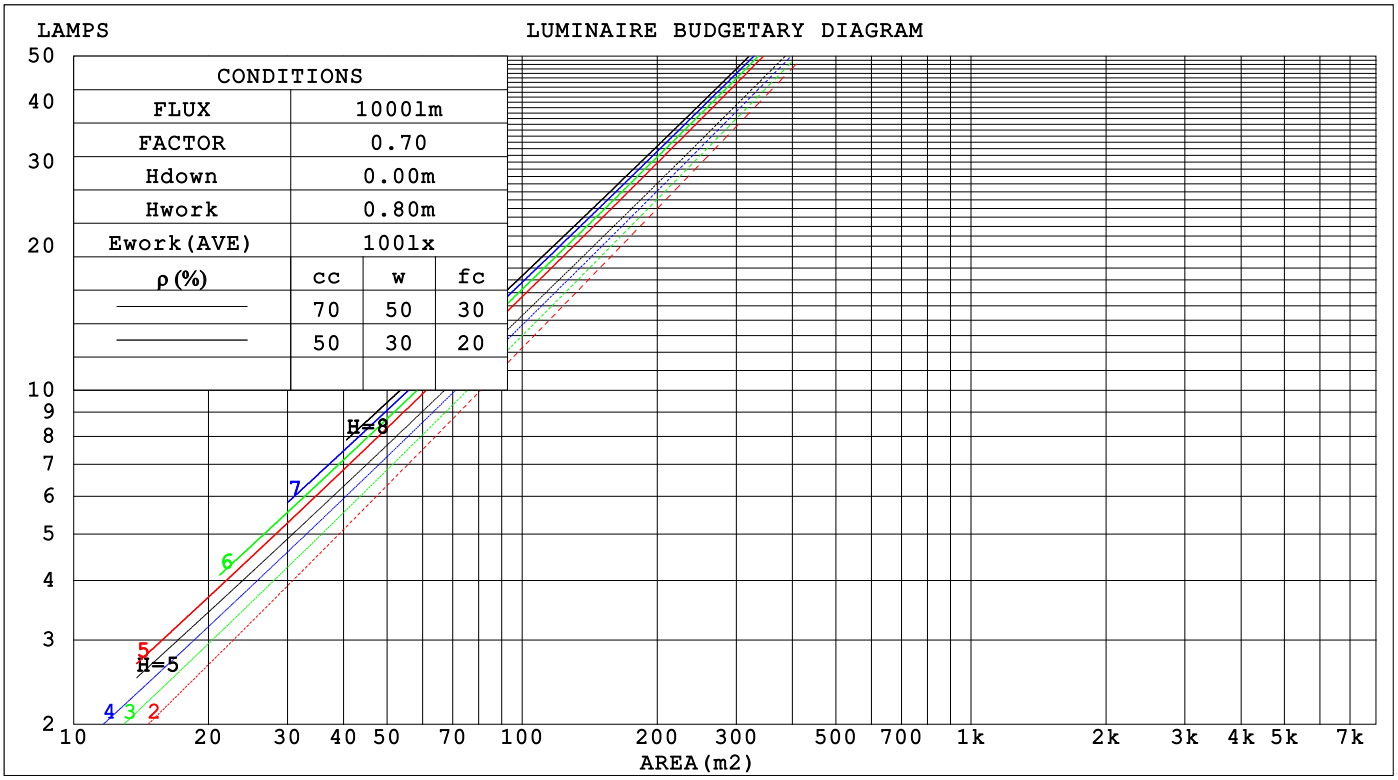
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K 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	.99	.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	.87	.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	.82	.79	.84	.81	.79	.83	.81	.78	.77
9.0	.84	.80	.77	.84	.80	.77	.83	.79	.77	.82	.79	.77	.81	.79	.76	.75
10.0	.82	.78	.75	.81	.78	.75	.81	.77	.75	.80	.77	.75	.79	.77	.75	.74



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:

WEC AND CCEC

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K 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	.115	.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	.042	.012	.079	.041	.012	
8.0	.089	.044	.012	.087	.043	.012	.083	.042	.012	.080	.040	.012	.076	.039	.011	
9.0	.085	.041	.012	.083	.041	.011	.080	.040	.011	.077	.038	.011	.073	.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	.065	.048	.061	.046	.034	.036	.027	.020	.011	.009	.007	
7.0	.096	.067	.047	.082	.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:

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K 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	12.4	13.1	12.6	13.2	13.4	12.6	13.2	12.8	13.4	13.5
	3H	13.0	13.6	13.2	13.8	14.0	13.1	13.7	13.3	13.9	14.1
	4H	13.2	13.8	13.5	14.0	14.2	13.3	13.9	13.6	14.1	14.3
	6H	13.4	13.9	13.6	14.1	14.4	13.5	14.0	13.7	14.2	14.5
	8H	13.4	13.9	13.7	14.2	14.4	13.5	14.0	13.8	14.3	14.5
	12H	13.4	13.9	13.7	14.2	14.4	13.5	14.0	13.8	14.3	14.5
4H	2H	12.6	13.2	12.8	13.4	13.6	12.7	13.3	13.0	13.5	13.7
	3H	13.3	13.8	13.6	14.1	14.3	13.4	13.9	13.7	14.2	14.4
	4H	13.6	14.1	13.9	14.4	14.7	13.7	14.2	14.0	14.4	14.7
	6H	13.8	14.2	14.2	14.6	14.9	13.9	14.3	14.3	14.6	15.0
	8H	13.9	14.3	14.3	14.6	15.0	14.0	14.3	14.3	14.7	15.1
	12H	13.9	14.2	14.3	14.6	15.0	14.0	14.3	14.4	14.7	15.1
8H	4H	13.6	14.0	14.0	14.4	14.7	13.7	14.1	14.1	14.5	14.8
	6H	13.9	14.3	14.4	14.7	15.1	14.0	14.3	14.4	14.7	15.1
	8H	14.0	14.3	14.5	14.7	15.2	14.1	14.4	14.5	14.8	15.2
	12H	14.1	14.3	14.5	14.7	15.2	14.1	14.4	14.6	14.8	15.3
12H	4H	13.6	14.0	14.0	14.3	14.7	13.7	14.0	14.1	14.4	14.8
	6H	13.9	14.2	14.4	14.6	15.1	14.0	14.3	14.4	14.7	15.1
	8H	14.0	14.3	14.5	14.7	15.2	14.1	14.3	14.6	14.8	15.2

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.3 / - 0.9	+ 1.5 / - 1.0
1.5H	+ 2.5 / - 0.8	+ 2.9 / - 1.0
2.0H	+ 0.8 / - 0.5	+ 0.9 / - 0.5

CIE Pub.117, 1561 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.5)
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 18D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K 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	

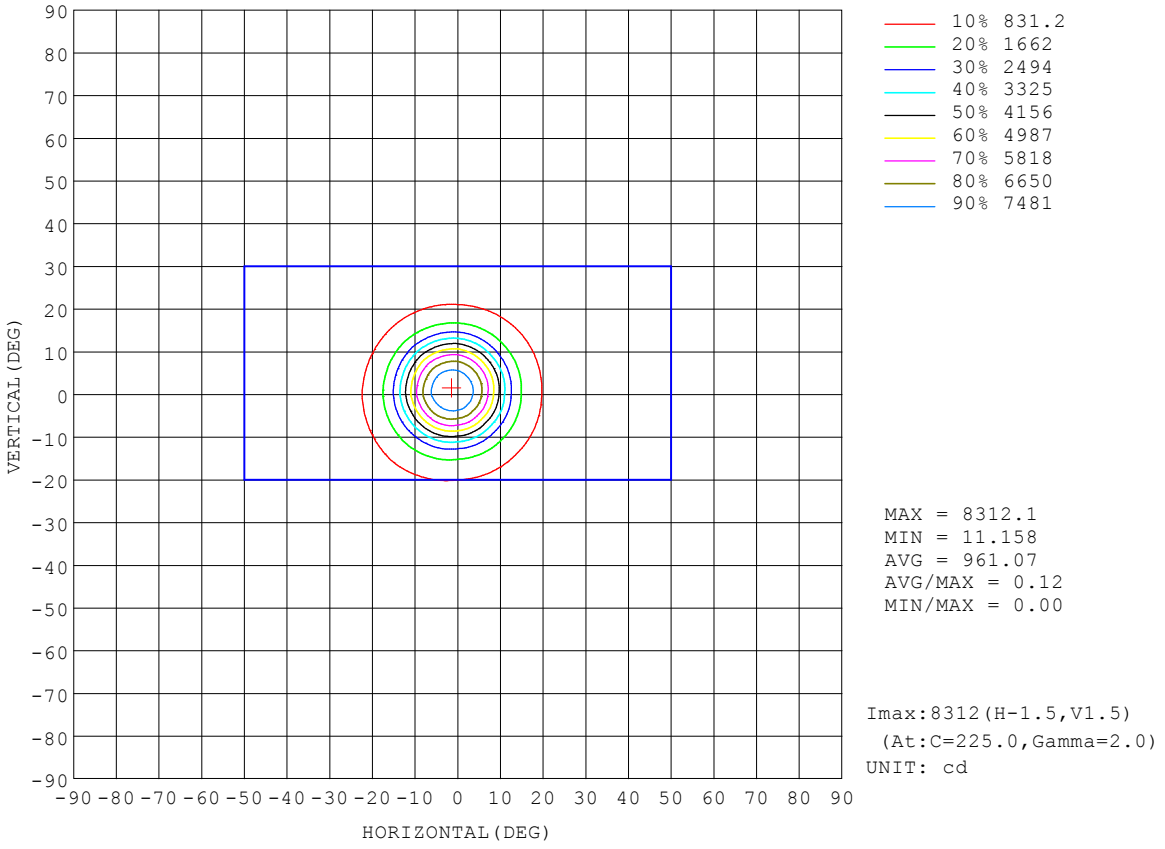
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-5000K RA90 18D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K 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

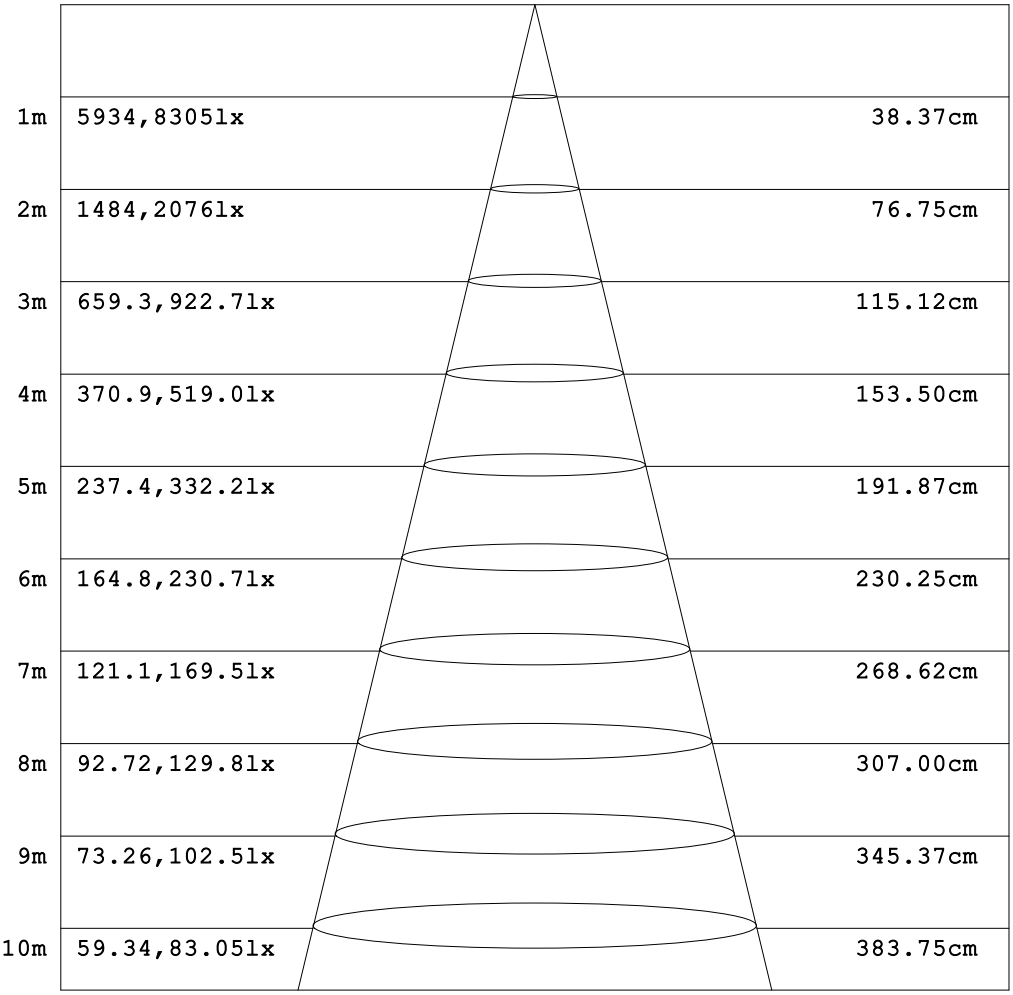
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-5000K RA90 18D WHITE

AAI Figure

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:704.4 lm



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

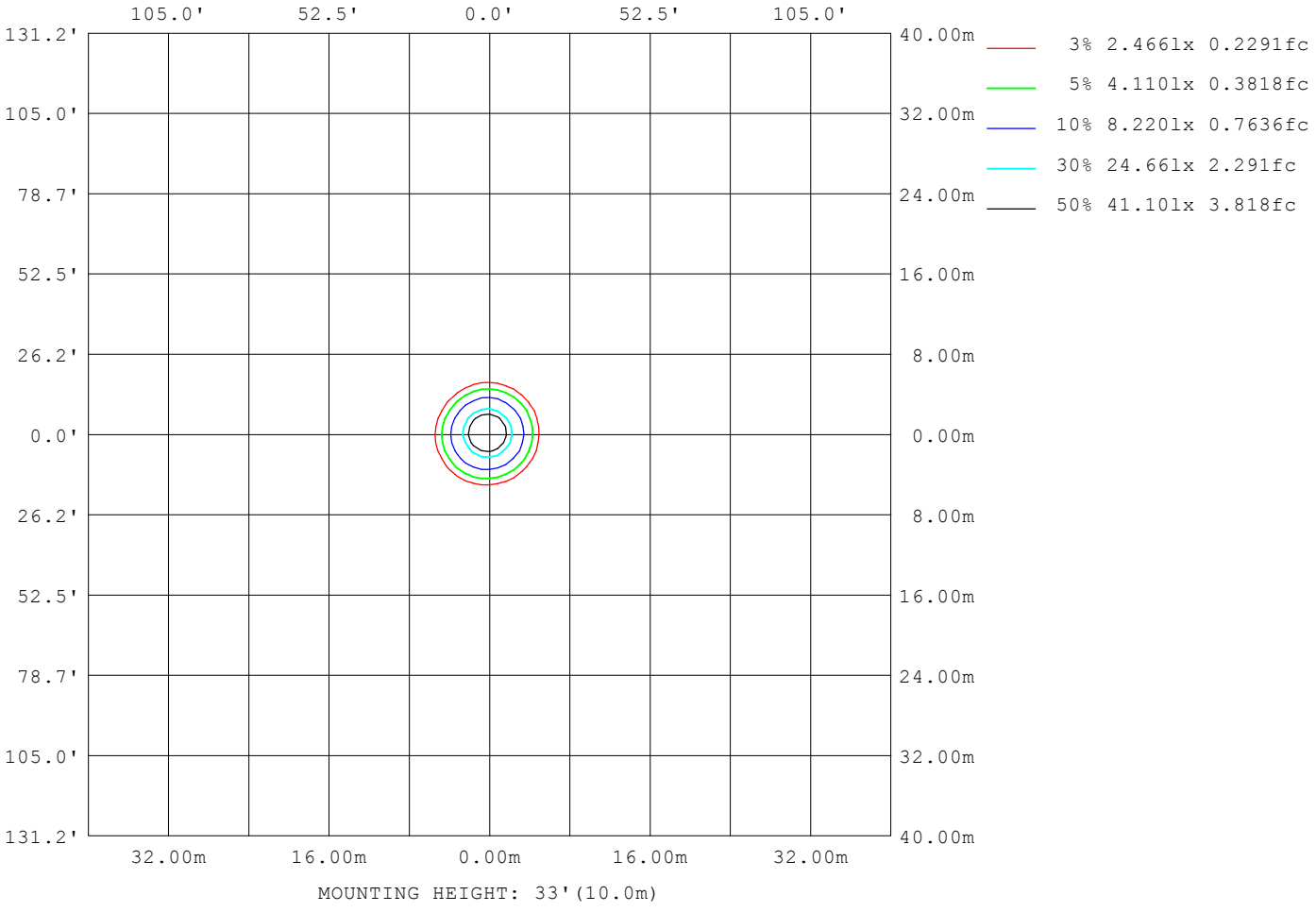
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-5000K RA90 18D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz **UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm**		
NAME: HCP-10X2501-5000K 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:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

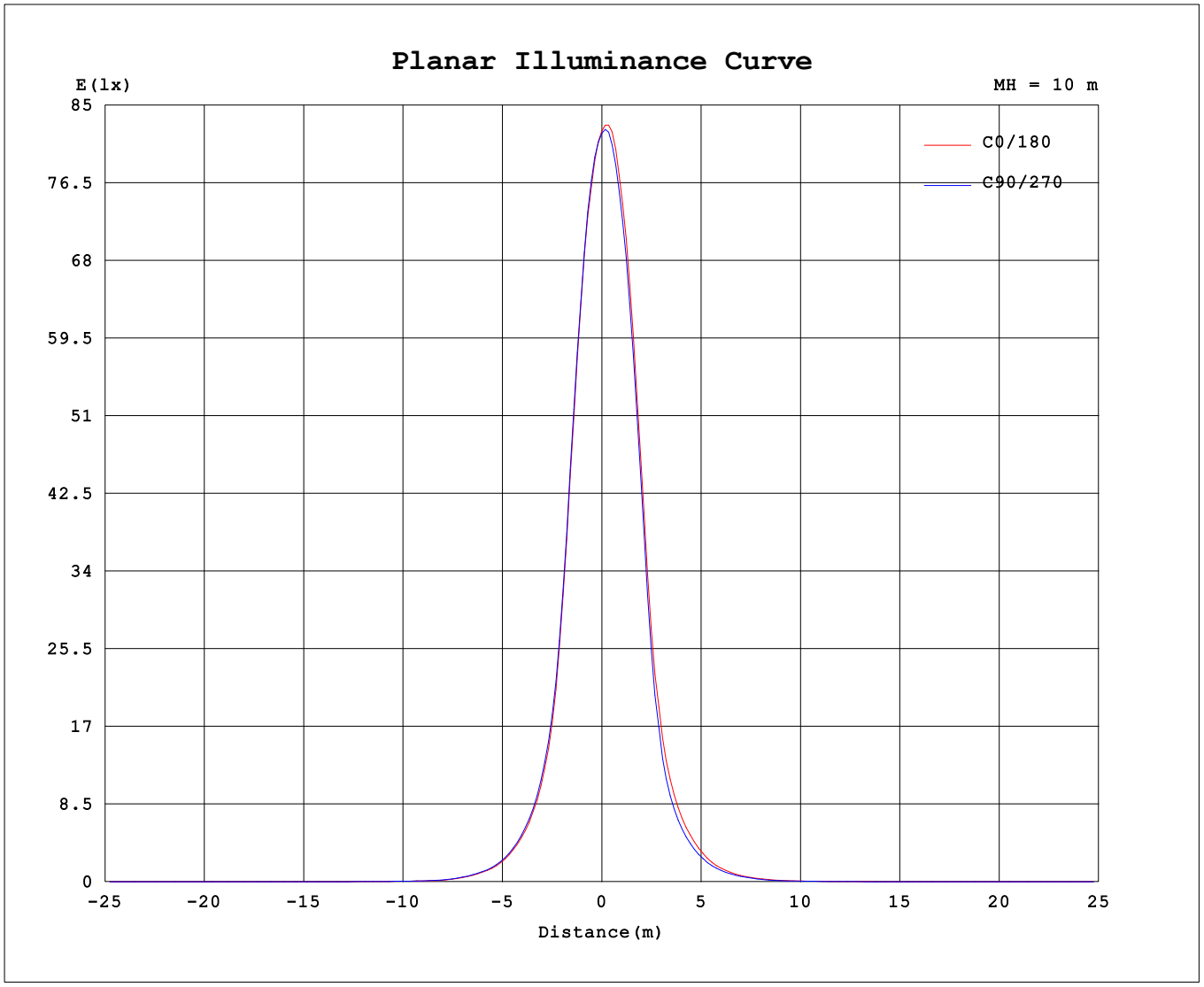
AvgL	cd/m2
L_0~180(65)av	8773
L_0~180(75)av	7189
L_0~180(85)av	5475
L_90~270(65)av	8627
L_90~270(75)av	7100
L_90~270(85)av	5330
L_45(65)av	8676
L_45(75)av	7109
L_45(85)av	5240

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-10X2501-5000K RA90 18D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0782A P:18.2W PF:0.9683 Freq:49.99Hz UTHDi:0.35% ITHDi:10.62% KDisp:0.9795 Lamp Flux:1561.23x1 lm		
NAME: HCP-10X2501-5000K 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	8203	8203	8203	8203	8203	8203	8203	8203
5	6927	6763	6977	7432	7805	7905	7655	7255
10	3917	3699	4004	4810	5590	5780	5402	4578
15	1621	1584	1712	2146	2522	2622	2272	1865
20	789	774	836	1052	1148	1090	962	887
25	399	386	422	543	587	528	482	448
30	192	187	204	257	276	245	233	215
35	89.3	82.6	96.1	122	129	116	111	102
40	32.9	31.4	35.6	47.7	55.9	52.8	47.4	39.3
45	21.0	20.5	21.4	25.1	26.9	26.2	24.3	22.5
50	14.0	13.4	13.6	15.4	17.8	18.0	16.7	14.7
55	11.2	10.9	10.9	11.7	12.8	13.0	12.6	11.8
60	9.72	9.31	9.45	10.3	11.2	11.4	11.0	10.3
65	7.57	7.18	7.51	8.45	9.48	9.73	9.26	8.37
70	5.45	5.12	5.43	6.27	7.10	7.34	6.98	6.18
75	3.60	3.33	3.60	4.28	4.96	5.14	4.85	4.17
80	2.02	1.82	2.04	2.57	3.12	3.23	3.01	2.45
85	0.68	0.53	0.72	1.09	1.52	1.60	1.42	0.97
90	0.07	0.05	0.07	0.04	0.08	0.18	0.05	0.04

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 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	8203	8203	8203	8203	8203	8203	8203	8203
3.0	7627	7597	7717	7939	8222	8249	8111	7854
6.0	6420	6243	6475	7072	7530	7632	7361	6887
9.0	4584	4332	4677	5440	6189	6347	5989	5238
12.0	2744	2600	2824	3520	4290	4498	4068	3251
15.0	1621	1584	1712	2146	2522	2622	2272	1865
18.0	1042	1018	1104	1372	1537	1504	1311	1163
21.0	691.9	677.6	733.6	921.4	999.8	948.5	833.5	766.0
24.0	460.4	448.7	486.8	623.8	670.2	606.8	553.3	514.5
27.0	295.9	285.2	314.1	405.6	438.0	394.7	361.2	333.8
30.0	192.3	187.1	204.2	257.3	275.7	245.3	233.5	214.9
33.0	124.2	118.3	132.5	165.2	174.9	156.2	150.4	140.6
36.0	73.18	68.06	79.99	103.6	110.4	100.1	95.58	87.25
39.0	38.97	36.51	42.84	58.76	67.89	63.19	57.64	48.07
42.0	26.08	25.44	27.49	34.30	38.88	37.07	33.30	29.28
45.0	21.03	20.49	21.43	25.13	26.89	26.16	24.33	22.50
48.0	16.22	15.40	16.05	19.39	21.27	21.05	19.77	17.84
51.0	13.23	12.71	12.89	14.37	16.03	16.32	15.22	13.88
54.0	11.56	11.17	11.27	12.22	13.50	13.67	13.19	12.12
57.0	10.68	10.33	10.36	11.14	12.03	12.17	11.84	11.16
60.0	9.717	9.311	9.447	10.30	11.22	11.36	10.96	10.31
63.0	8.532	8.078	8.390	9.306	10.21	10.43	9.982	9.272
66.0	7.128	6.748	7.085	8.002	8.973	9.253	8.796	7.933
69.0	5.852	5.507	5.829	6.695	7.550	7.809	7.430	6.607
72.0	4.676	4.366	4.660	5.443	6.212	6.429	6.099	5.344
75.0	3.596	3.330	3.599	4.284	4.964	5.139	4.854	4.174
78.0	2.616	2.396	2.636	3.220	3.817	3.966	3.715	3.107
81.0	1.735	1.542	1.759	2.251	2.774	2.888	2.673	2.132
84.0	0.9309	0.7729	0.9667	1.370	1.817	1.907	1.720	1.247
87.0	0.1891	0.0672	0.2260	0.5551	0.9277	1.017	0.8433	0.4385
90.0	0.0679	0.0478	0.0704	0.0412	0.0808	0.1759	0.0499	0.0419

C Range: 0 - 360DEG
C Interval: 45.0DEG
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γ Range: 0 - 90DEG
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Remarks: