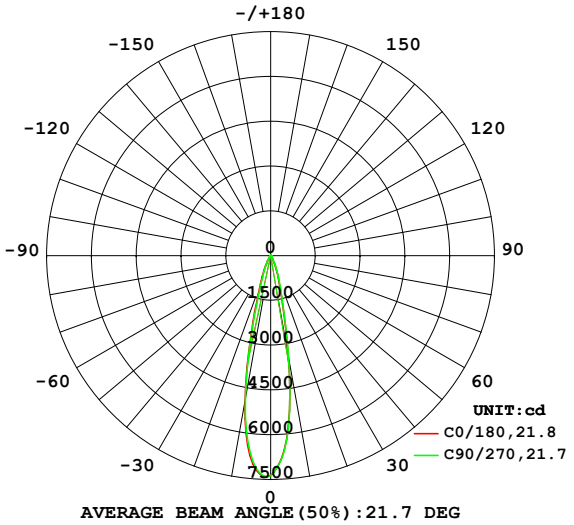
Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-3000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

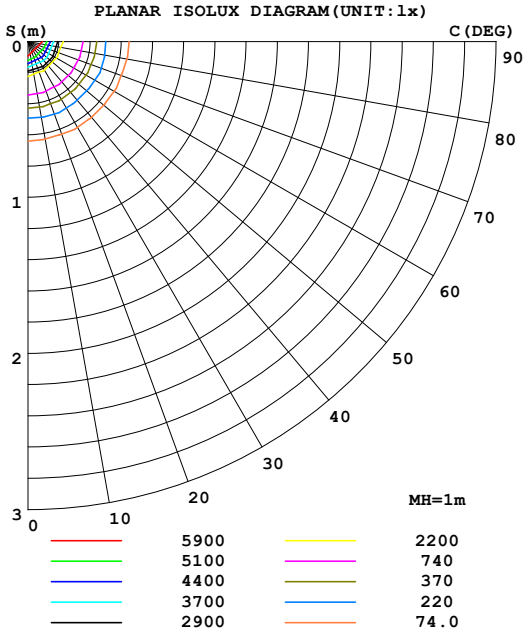
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 76.61 lm/W	
MODEL		Imax(cd)	7442	S/MH(C0/180)	0.40
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1395.7	η UP,DN(C0-180)	0.0,44.4
NOMINAL FLUX(lm)	1395.72	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,55.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.22	η down(%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):21.7 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:

Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3453	3225	3472	4193	4977	5300	4932	4094	0- 10	550.2	550.2	39.4,39.4
20	692.8	729.0	759.2	842.5	1021	1079	889.7	728.5	10- 20	541.6	1092	78.2,78.2
30	168.2	176.0	182.7	199.7	243.4	249.6	219.9	177.4	20- 30	202.1	1294	92.7,92.7
40	28.92	28.16	30.97	38.70	49.63	51.92	44.18	34.04	30- 40	62.54	1356	97.2,97.2
50	12.43	11.96	12.02	13.46	15.81	16.57	15.16	13.03	40- 50	17.09	1373	98.4,98.4
60	8.619	8.329	8.390	9.086	9.986	10.25	9.809	9.122	50- 60	9.734	1383	99.1,99.1
70	4.821	4.573	4.788	5.470	6.307	6.665	6.288	5.458	60- 70	7.380	1391	99.6,99.6
80	1.780	1.605	1.776	2.215	2.763	2.971	2.737	2.169	70- 80	4.026	1395	99.9,99.9
90	0.0583	0.0430	0.0627	0.0384	0.0797	0.1999	0.0698	0.0361	80- 90	1.098	1396	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): 1366.6 lm

%lum = 97.9%
%lamp = 97.9%

Conical surface Flux(120deg): 1383.2 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:

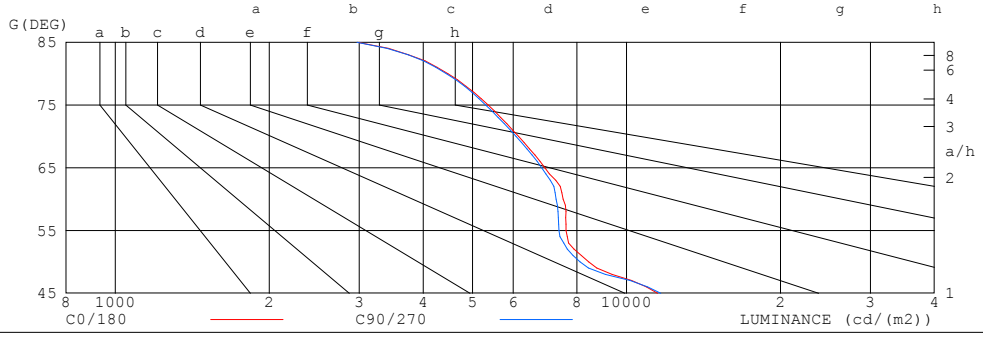
Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz **UTHDi:0.40% ITHDi:10.77% KDisp:0.9789** **Lamp Flux:1395.72x1 lm**		
NAME: HCP-10X2501-3000K 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	2979	2968
80	4473	4441
75	5364	5301
70	6149	6078
65	6924	6825
60	7520	7285
55	7613	7373
50	8437	8115
45	11496	11670

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

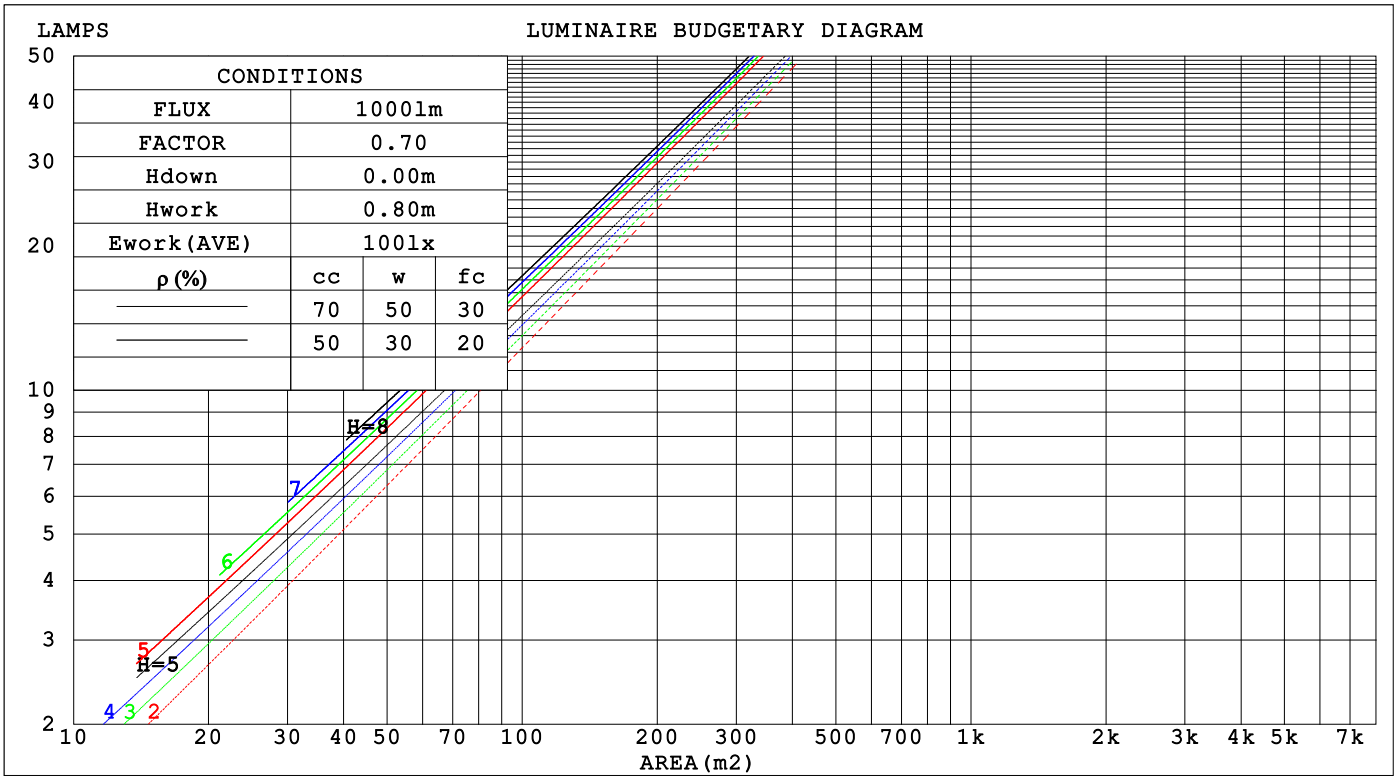
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-000K 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:

Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

WEC AND CCEC

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-000K 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	.090	.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:

Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-000K 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	12.0	12.7	12.2	12.8	13.0	12.2	12.8	12.4	13.0	13.1
	3H	12.6	13.2	12.8	13.4	13.6	12.7	13.3	12.9	13.5	13.7
	4H	12.8	13.4	13.1	13.6	13.8	12.9	13.5	13.2	13.7	13.9
	6H	12.9	13.5	13.2	13.7	14.0	13.0	13.6	13.3	13.8	14.1
	8H	13.0	13.5	13.3	13.7	14.0	13.1	13.6	13.4	13.8	14.1
	12H	13.0	13.5	13.3	13.7	14.0	13.1	13.6	13.4	13.8	14.1
4H	2H	12.2	12.7	12.4	13.0	13.2	12.3	12.9	12.6	13.1	13.3
	3H	12.9	13.4	13.2	13.6	13.9	13.0	13.5	13.3	13.7	14.0
	4H	13.2	13.7	13.5	13.9	14.2	13.3	13.7	13.6	14.0	14.3
	6H	13.4	13.8	13.8	14.1	14.5	13.5	13.9	13.8	14.2	14.6
	8H	13.5	13.8	13.8	14.2	14.6	13.5	13.9	13.9	14.3	14.6
	12H	13.5	13.8	13.9	14.2	14.6	13.5	13.9	13.9	14.3	14.6
8H	4H	13.2	13.6	13.6	14.0	14.3	13.3	13.7	13.7	14.0	14.4
	6H	13.5	13.8	13.9	14.2	14.6	13.6	13.9	14.0	14.3	14.7
	8H	13.6	13.9	14.0	14.3	14.7	13.7	14.0	14.1	14.4	14.8
	12H	13.6	13.9	14.1	14.3	14.8	13.7	13.9	14.2	14.4	14.8
12H	4H	13.2	13.6	13.6	13.9	14.3	13.3	13.6	13.7	14.0	14.4
	6H	13.5	13.8	13.9	14.2	14.6	13.6	13.8	14.0	14.3	14.7
	8H	13.6	13.8	14.1	14.3	14.7	13.7	13.9	14.1	14.3	14.8

Variations with the observer position at spacings(CIE Pub.117):		
S = 1.0H	+ 1.2 / - 0.9	+ 1.5 / - 1.0
1.5H	+ 2.4 / - 0.8	+ 2.8 / - 1.0
2.0H	+ 0.9 / - 0.5	+ 0.9 / - 0.5

CIE Pub.117, 1396 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.2)
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-10X2501-3000K RA90 18D WHITE

UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-3000K 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	

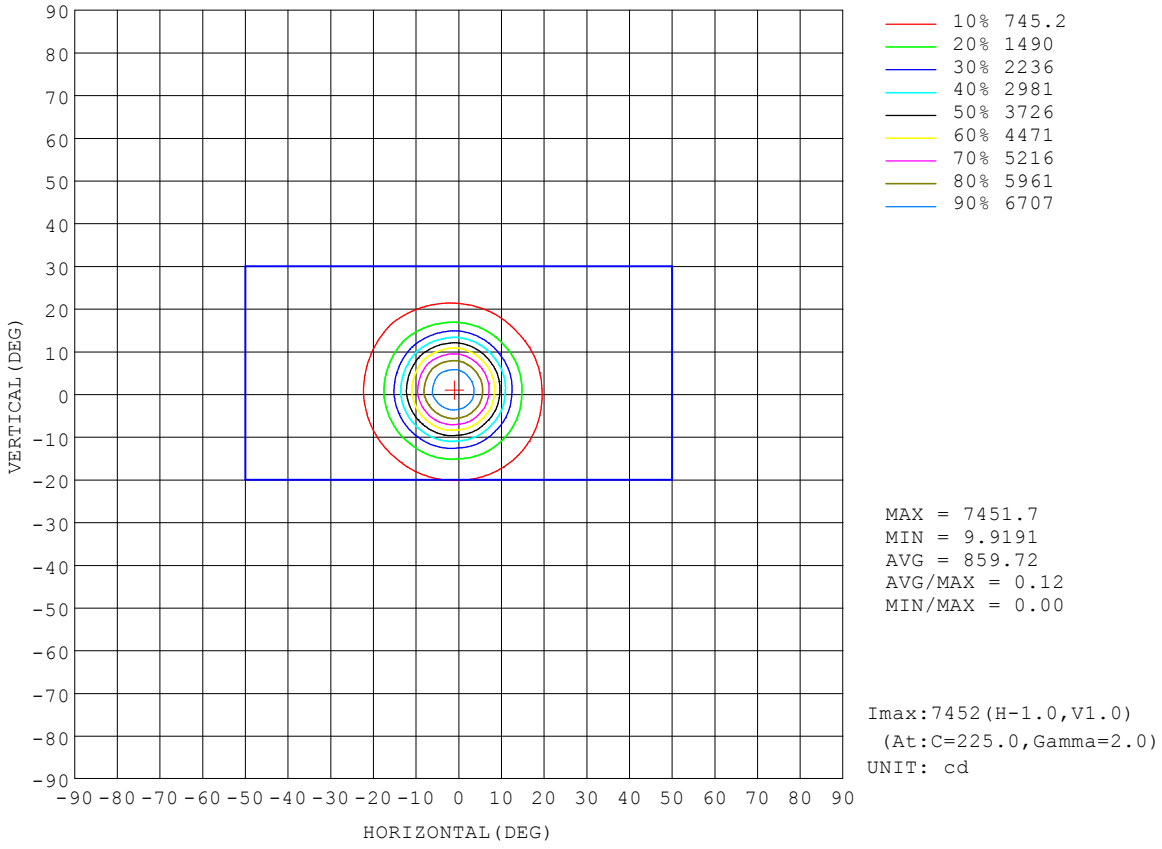
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
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Test Date:2023-11-20

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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-10X2501-3000K RA90 18D WHITE

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-3000K 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
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Test Date:2023-11-20

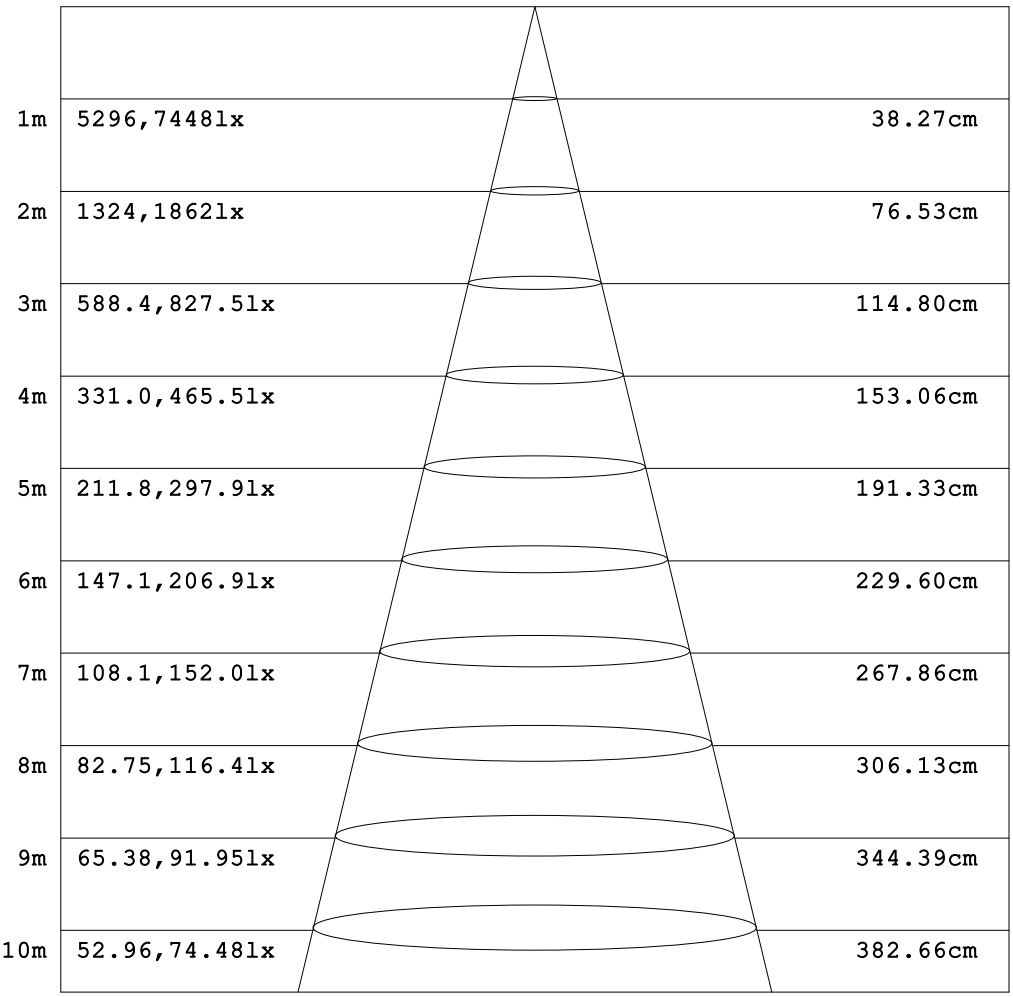
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

Photometric Filename: HCP-10X2501-3000K RA90 18D WHITE

AAI Figure

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:628.6 lm



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

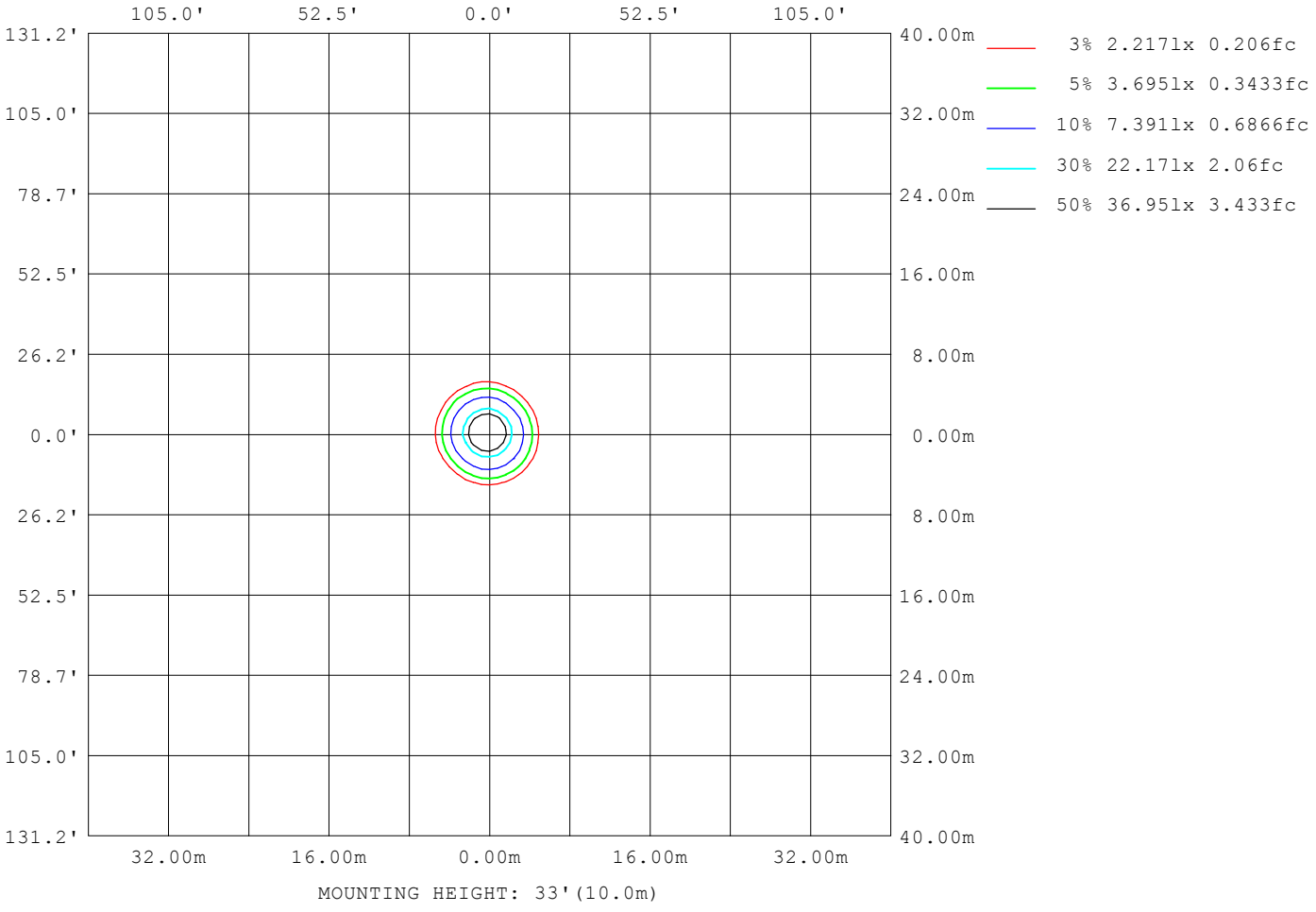
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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-10X2501-3000K RA90 18D WHITE

ISOLUX DIAGRAM

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz **UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm**		
NAME: HCP-10X2501-3000K 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:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-3000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

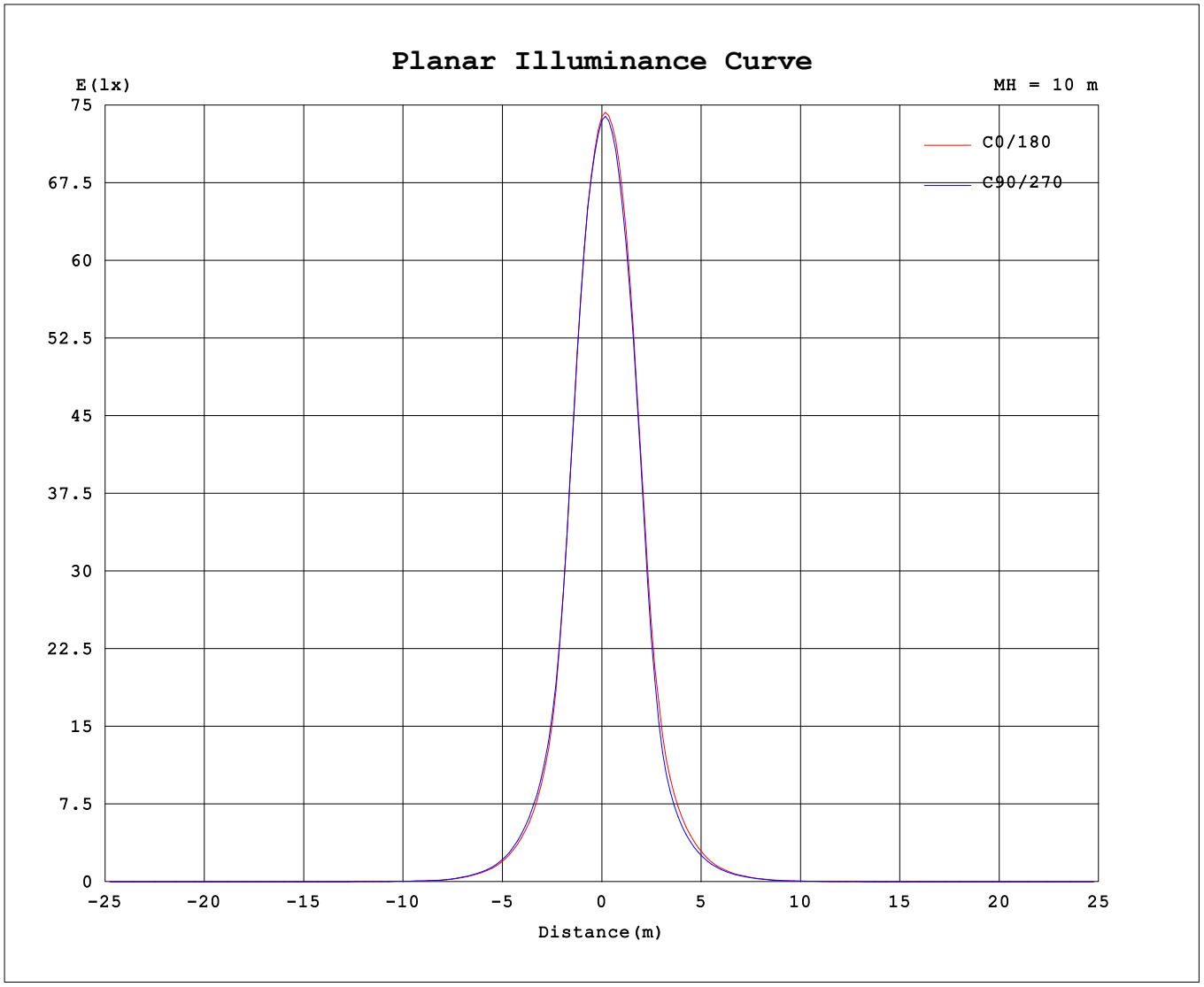
AvgL	cd/m2
L_0~180(65)av	7789
L_0~180(75)av	6374
L_0~180(85)av	4850
L_90~270(65)av	7694
L_90~270(75)av	6340
L_90~270(85)av	4759
L_45(65)av	7725
L_45(75)av	6328
L_45(85)av	4669

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-10X2501-3000K RA90 18D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.0783A P:18.2W PF:0.9685 Freq:49.99Hz UTHDi:0.40% ITHDi:10.77% KDisp:0.9789 Lamp Flux:1395.72x1 lm		
NAME: HCP-10X2501-3000K 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	7366	7366	7366	7366	7366	7366	7366	7366
5	6164	6041	6204	6591	6994	7104	6903	6512
10	3453	3225	3472	4193	4977	5300	4932	4094
15	1422	1433	1514	1807	2283	2448	2161	1648
20	693	729	759	843	1021	1079	890	729
25	349	365	382	422	518	539	449	371
30	168	176	183	200	243	250	220	177
35	77.2	76.8	84.8	95.4	115	116	105	86.1
40	28.9	28.2	31.0	38.7	49.6	51.9	44.2	34.0
45	18.6	18.5	19.0	21.3	23.9	24.3	22.1	19.6
50	12.4	12.0	12.0	13.5	15.8	16.6	15.2	13.0
55	10.0	9.75	9.74	10.3	11.4	11.7	11.3	10.5
60	8.62	8.33	8.39	9.09	9.99	10.2	9.81	9.12
65	6.71	6.42	6.64	7.41	8.43	8.79	8.31	7.41
70	4.82	4.57	4.79	5.47	6.31	6.67	6.29	5.46
75	3.18	2.97	3.16	3.72	4.41	4.69	4.39	3.69
80	1.78	1.61	1.78	2.22	2.76	2.97	2.74	2.17
85	0.60	0.45	0.60	0.93	1.35	1.49	1.31	0.87
90	0.06	0.04	0.06	0.04	0.08	0.20	0.07	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-10X2501-3000K 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	7366	7366	7366	7366	7366	7366	7366	7366
3.0	6833	6767	6848	7074	7314	7390	7279	7025
6.0	5724	5558	5773	6235	6729	6868	6623	6158
9.0	4057	3818	4062	4794	5520	5785	5454	4688
12.0	2397	2265	2447	3060	3834	4158	3744	2927
15.0	1422	1433	1514	1807	2283	2448	2161	1648
18.0	924.0	949.5	991.7	1125	1373	1457	1212	984.4
21.0	606.8	639.7	666.6	730.8	888.3	945.3	772.5	633.9
24.0	403.4	424.0	441.2	485.3	591.3	617.6	513.3	424.4
27.0	259.2	269.3	283.5	313.8	385.9	403.4	339.1	275.5
30.0	168.2	176.0	182.7	199.7	243.4	249.6	219.9	177.4
33.0	108.5	110.5	117.1	129.3	154.7	157.1	141.2	117.0
36.0	63.85	62.80	70.02	81.33	98.10	99.74	89.89	72.28
39.0	34.17	32.89	36.88	46.88	60.31	62.42	54.17	41.15
42.0	23.07	22.95	24.23	28.56	34.52	35.22	30.75	25.55
45.0	18.63	18.55	19.01	21.32	23.91	24.27	22.08	19.59
48.0	14.38	13.66	14.02	16.65	18.94	19.43	17.94	15.63
51.0	11.77	11.33	11.39	12.63	14.26	14.90	13.72	12.34
54.0	10.32	9.995	10.03	10.74	12.01	12.32	11.84	10.75
57.0	9.498	9.254	9.233	9.832	10.70	10.94	10.59	9.913
60.0	8.619	8.329	8.390	9.086	9.986	10.25	9.809	9.122
63.0	7.564	7.210	7.422	8.182	9.083	9.407	8.934	8.208
66.0	6.312	6.032	6.262	7.012	7.968	8.371	7.907	7.017
69.0	5.180	4.920	5.144	5.849	6.709	7.085	6.688	5.841
72.0	4.133	3.897	4.105	4.746	5.516	5.851	5.500	4.721
75.0	3.183	2.968	3.160	3.724	4.406	4.690	4.388	3.686
78.0	2.311	2.125	2.307	2.794	3.391	3.631	3.368	2.750
81.0	1.528	1.359	1.526	1.942	2.462	2.657	2.435	1.890
84.0	0.8200	0.6665	0.8192	1.170	1.618	1.767	1.583	1.116
87.0	0.1619	0.0423	0.1616	0.4534	0.8291	0.9608	0.8023	0.4117
90.0	0.0583	0.0430	0.0627	0.0384	0.0797	0.1999	0.0698	0.0361

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