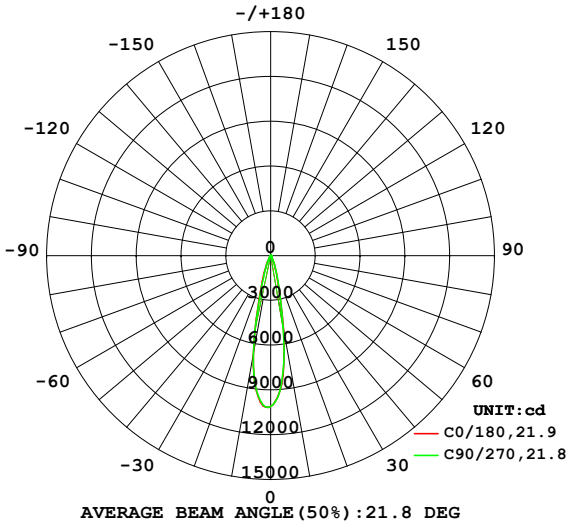
Photometric Filename: HCP-10X2501-5000K RA90 18D WHITE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

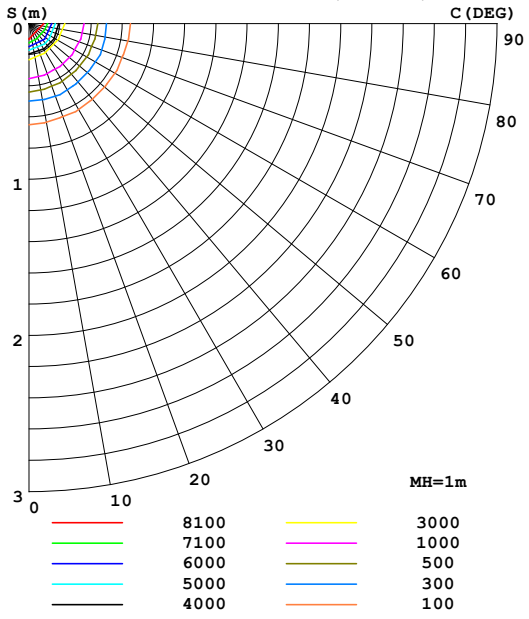
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 79.45 lm/W	
MODEL		Imax(cd)	10224	S/MH(C0/180)	0.39
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	0.38
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1925.4	η UP,DN(C0-180)	0.0,45.2
NOMINAL FLUX(lm)	1925.45	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,54.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.21	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	497.0	461.3	488.2	577.5	673.9	707.2	673.5	581.5	0- 10	759.5	759.5	39.4,39.4
20	100.1	96.65	102.6	126.8	138.4	133.7	120.7	111.5	10- 20	745.7	1505	78.2,78.2
30	24.41	23.36	25.00	30.90	33.14	30.03	28.94	27.33	20- 30	279.3	1784	92.7,92.7
40	4.188	3.920	4.339	5.671	6.650	6.441	5.926	5.036	30- 40	86.64	1871	97.2,97.2
50	1.743	1.665	1.668	1.919	2.146	2.198	2.082	1.828	40- 50	23.60	1895	98.4,98.4
60	1.204	1.151	1.158	1.262	1.377	1.397	1.354	1.274	50- 60	13.46	1908	99.1,99.1
70	0.6816	0.6346	0.6649	0.7620	0.8642	0.8996	0.8653	0.7707	60- 70	10.21	1918	99.6,99.6
80	0.2561	0.2269	0.2490	0.3083	0.3763	0.3950	0.3746	0.3096	70- 80	5.575	1924	99.9,99.9
90	0.0086	0.0062	0.0091	0.0056	0.0065	0.0200	0.0078	0.0055	80- 90	1.515	1925	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:X10cd									UNIT:lm		

Conical surface Flux(90deg): 1885.1 lm

%lum = 97.9%
%lamp = 97.9%

Conical surface Flux(120deg): 1908.1 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:

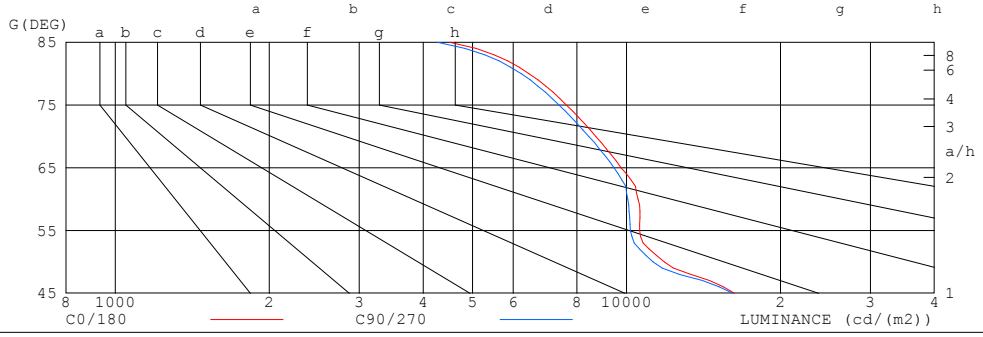
Photometric Filename: HCP-10X2501-5000K RA90 18D WHITE

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz **UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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	4512	4269
80	6444	6221
75	7629	7372
70	8708	8435
65	9759	9452
60	10524	10051
55	10608	10176
50	11847	11262
45	16246	16128

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

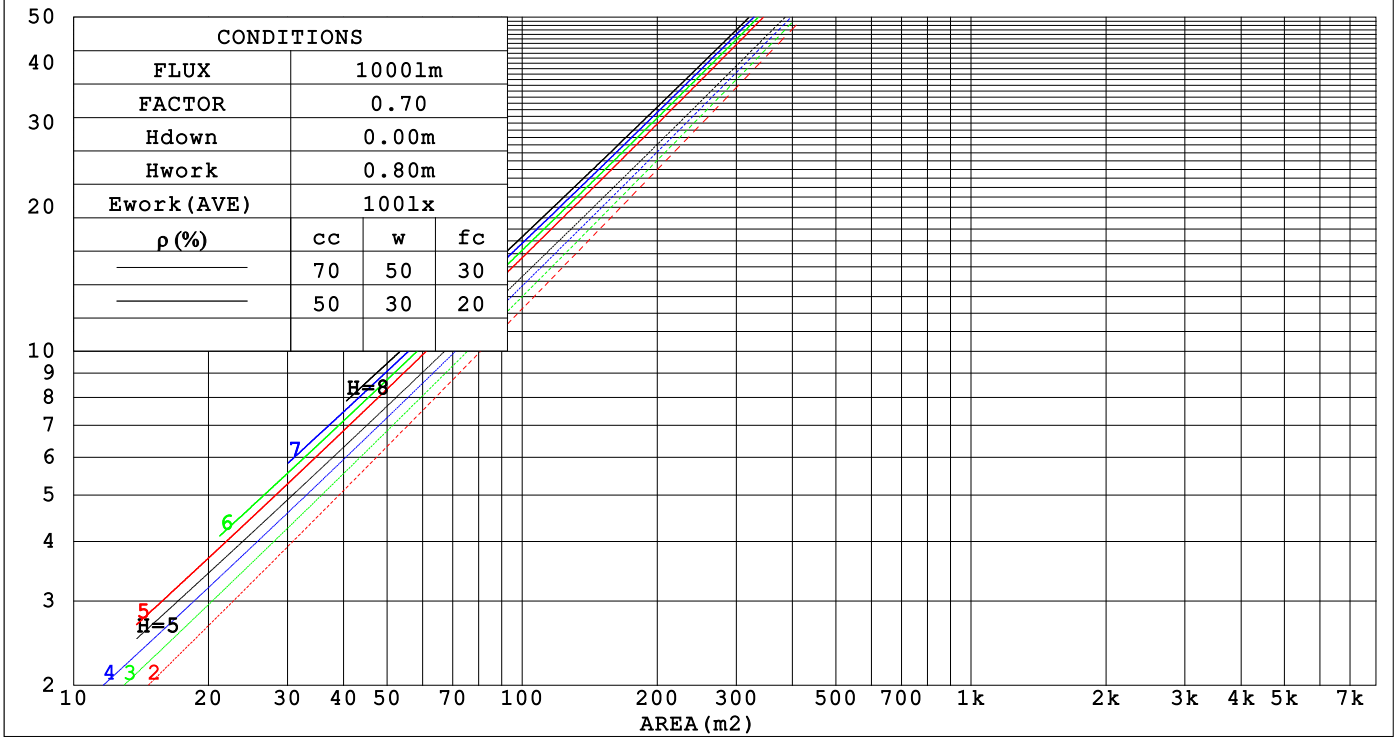
CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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	.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	.81	.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-10X2501-5000K RA90 18D WHITE

WEC AND CCEC

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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	.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	.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-10X2501-5000K RA90 18D WHITE

UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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	13.3	14.0	13.5	14.1	14.3	13.3	14.0	13.5	14.1	14.3
	3H	13.9	14.5	14.1	14.7	14.8	13.8	14.4	14.1	14.6	14.8
	4H	14.1	14.7	14.3	14.9	15.1	14.0	14.6	14.3	14.8	15.0
	6H	14.2	14.8	14.5	15.0	15.3	14.2	14.7	14.5	15.0	15.2
	8H	14.3	14.8	14.6	15.0	15.3	14.2	14.7	14.5	15.0	15.2
	12H	14.3	14.8	14.6	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	14.7	14.4	14.9	15.2	14.1	14.6	14.4	14.9	15.1
	4H	14.5	14.9	14.8	15.2	15.5	14.4	14.9	14.7	15.2	15.5
	6H	14.7	15.1	15.0	15.4	15.8	14.6	15.0	15.0	15.4	15.7
	8H	14.7	15.1	15.1	15.5	15.8	14.7	15.1	15.1	15.4	15.8
	12H	14.8	15.1	15.2	15.5	15.9	14.7	15.0	15.1	15.4	15.8
8H	4H	14.5	14.9	14.9	15.2	15.6	14.4	14.8	14.8	15.2	15.5
	6H	14.8	15.1	15.2	15.5	15.9	14.7	15.1	15.2	15.4	15.9
	8H	14.9	15.2	15.3	15.6	16.0	14.8	15.1	15.3	15.5	16.0
	12H	14.9	15.2	15.4	15.6	16.1	14.9	15.1	15.3	15.5	16.0
12H	4H	14.5	14.8	14.9	15.2	15.6	14.4	14.8	14.8	15.1	15.5
	6H	14.8	15.1	15.2	15.5	15.9	14.7	15.0	15.2	15.4	15.9
	8H	14.9	15.1	15.3	15.6	16.0	14.8	15.1	15.3	15.5	16.0

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, 1925 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.3)
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:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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	

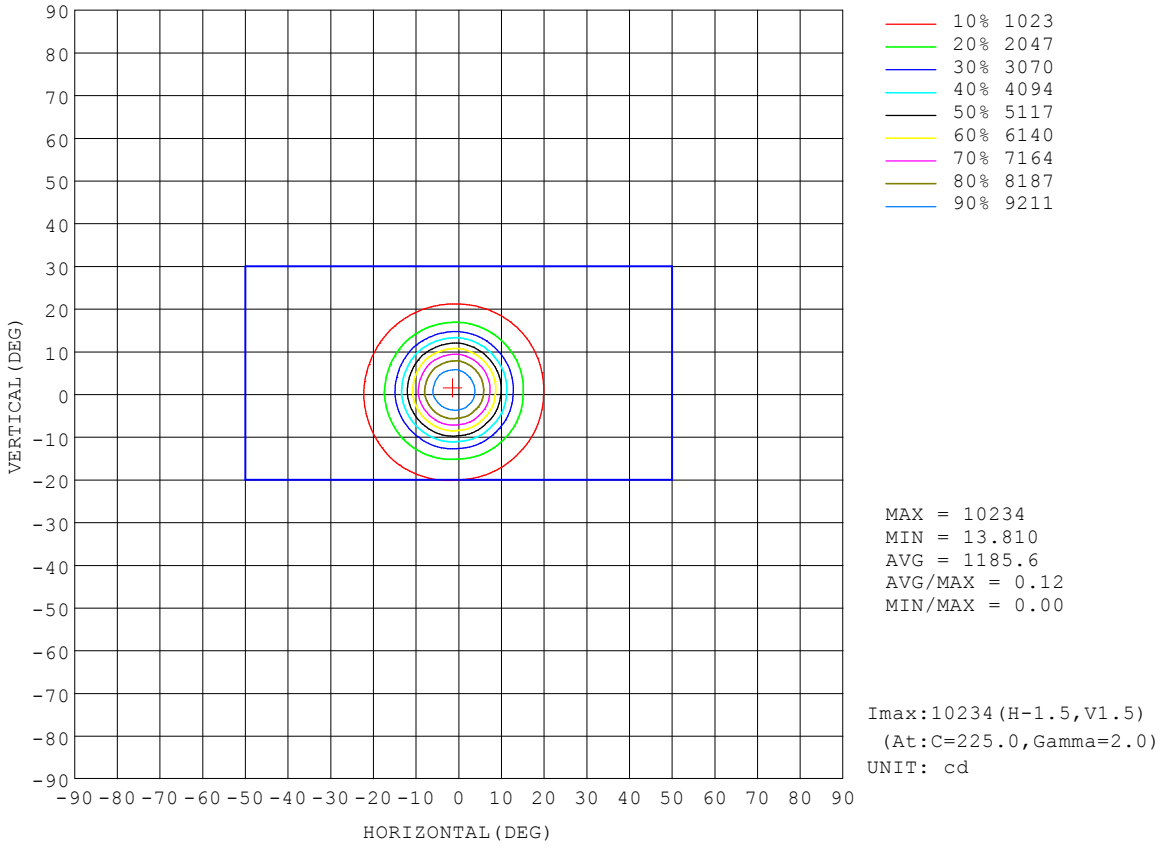
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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

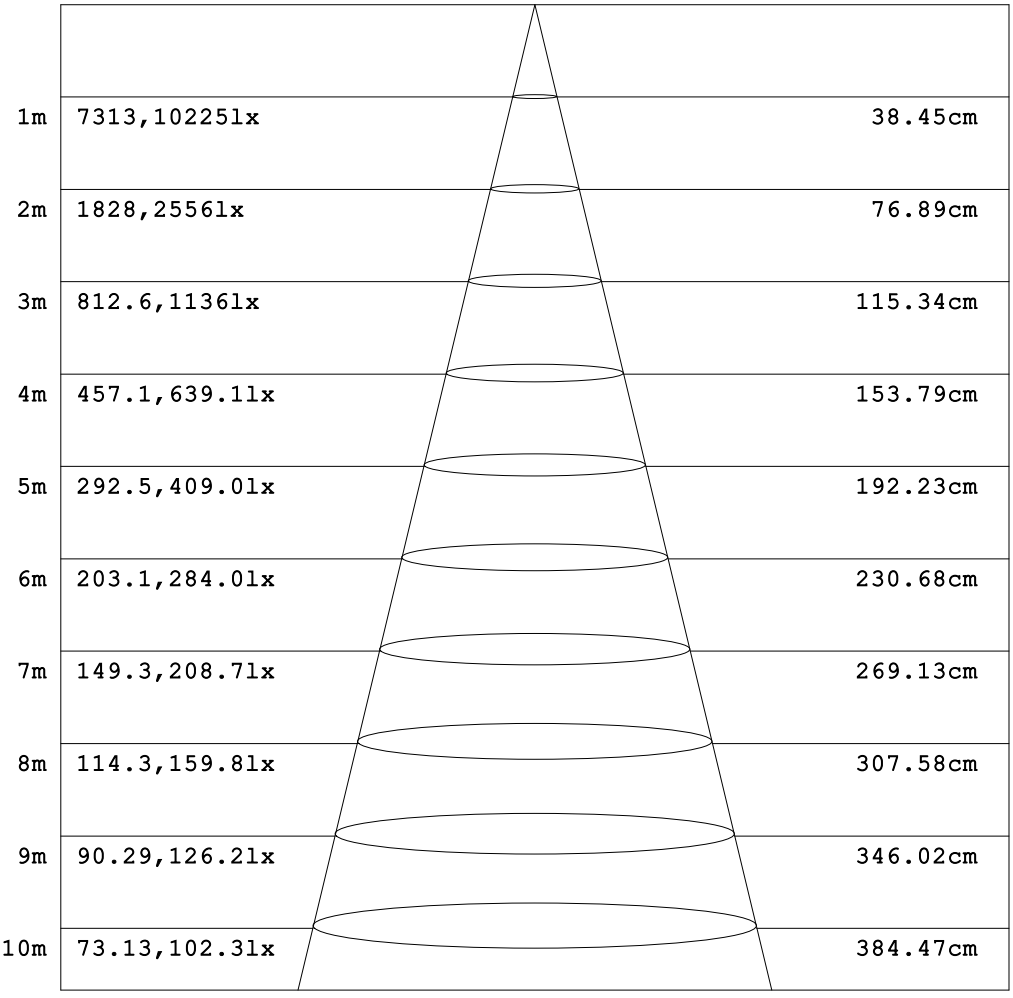
γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.453
Humidity:65.0%
Test Distance:3.090m [K=1.0000]
Remarks:

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

AAI Figure

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Flux out:868.1 lm



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

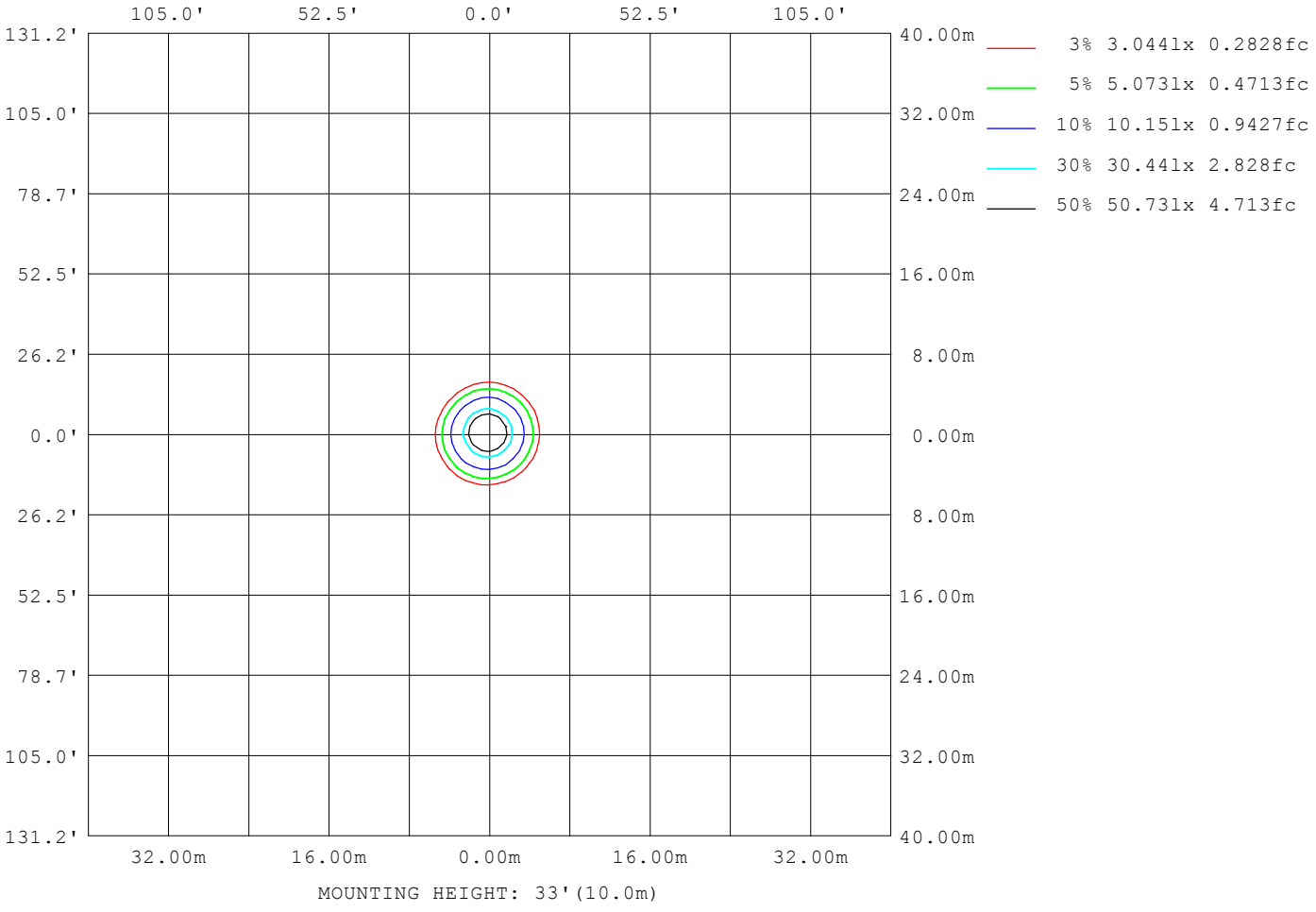
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2023-11-20

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:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz **UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 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:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

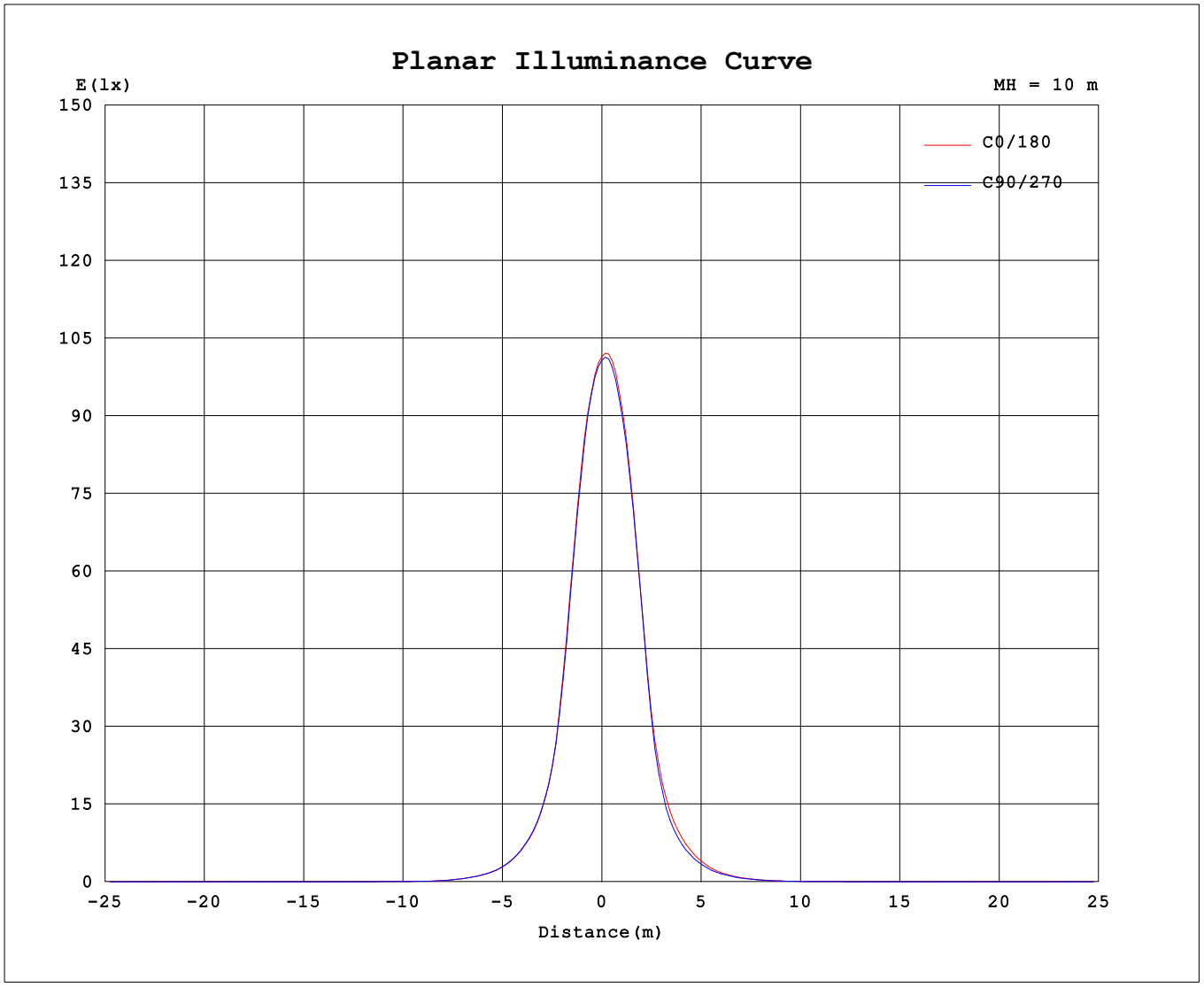
AvgL	cd/m2
L_0~180(65)av	10809
L_0~180(75)av	8856
L_0~180(85)av	6750
L_90~270(65)av	10629
L_90~270(75)av	8756
L_90~270(85)av	6591
L_45(65)av	10681
L_45(75)av	8759
L_45(85)av	6460

Standard: GB/T 29293-2012

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

Planar Illuminance Curve



C Range: 0 - 360DEG
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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-10X2501-5000K RA90 18D WHITE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.3V I:0.1029A P:24.2W PF:0.9802 Freq:49.99Hz UTHDi:0.42% ITHDi:7.82% KDisp:0.9873 Lamp Flux:1925.45x1 lm		
NAME: HCP-10X2501-5000K RA90 18D WHITE	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Havit Commercial	SUR.: 55mm	Shielding Angle:

Table--1 UNIT: X10cd

γ (DEG) \ C(DEG)	0	45	90	135	180	225	270	315
0	1010	1010	1010	1010	1010	1010	1010	1010
5	861	836	856	907	953	970	947	901
10	497	461	488	578	674	707	674	581
15	206	201	209	253	301	319	287	238
20	100	96.6	103	127	138	134	121	111
25	50.7	48.3	51.7	65.4	70.8	64.8	60.4	56.9
30	24.4	23.4	25.0	30.9	33.1	30.0	28.9	27.3
35	11.2	10.4	11.7	14.6	15.5	14.2	13.9	13.0
40	4.19	3.92	4.34	5.67	6.65	6.44	5.93	5.04
45	2.63	2.54	2.63	3.05	3.26	3.20	3.02	2.81
50	1.74	1.66	1.67	1.92	2.15	2.20	2.08	1.83
55	1.39	1.34	1.35	1.43	1.57	1.59	1.56	1.45
60	1.20	1.15	1.16	1.26	1.38	1.40	1.35	1.27
65	0.94	0.89	0.92	1.03	1.16	1.19	1.15	1.04
70	0.68	0.63	0.66	0.76	0.86	0.90	0.87	0.77
75	0.45	0.41	0.44	0.52	0.60	0.63	0.60	0.52
80	0.26	0.23	0.25	0.31	0.38	0.39	0.37	0.31
85	0.09	0.07	0.09	0.13	0.18	0.19	0.18	0.13
90	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01

C Range: 0 - 360DEG
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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:

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	10096	10096	10096	10096	10096	10096	10096	10096
3.0	9440	9377	9479	9728	10064	10145	10009	9728
6.0	8017	7734	7935	8612	9178	9370	9113	8585
9.0	5789	5394	5701	6555	7482	7765	7452	6615
12.0	3503	3254	3443	4191	5126	5484	5107	4169
15.0	2062	2010	2094	2529	3008	3195	2865	2381
18.0	1324	1272	1352	1652	1873	1841	1647	1484
21.0	884.4	846.3	906.5	1112	1207	1149	1045	974.1
24.0	585.2	560.9	596.0	751.9	809.0	744.8	692.6	653.5
27.0	376.8	356.8	384.9	487.1	527.4	483.1	453.0	425.2
30.0	244.1	233.6	250.0	309.0	331.4	300.3	289.4	273.3
33.0	158.4	148.1	162.1	198.4	212.0	191.2	188.2	178.9
36.0	94.70	85.37	97.30	123.9	132.7	122.5	119.6	109.9
39.0	50.18	45.75	52.13	69.62	81.02	77.19	72.20	61.91
42.0	32.84	31.60	33.70	41.22	46.49	45.25	41.66	36.88
45.0	26.29	25.44	26.28	30.52	32.61	32.04	30.21	28.10
48.0	20.46	19.56	19.57	23.57	25.89	25.79	24.53	22.37
51.0	16.48	15.74	15.83	17.50	19.91	19.97	19.33	17.23
54.0	14.33	13.80	13.87	14.87	16.49	16.75	16.31	15.03
57.0	13.23	12.77	12.74	13.65	14.77	14.96	14.62	13.80
60.0	12.04	11.51	11.58	12.62	13.77	13.97	13.54	12.74
63.0	10.62	10.01	10.25	11.37	12.51	12.79	12.33	11.48
66.0	8.894	8.366	8.678	9.755	10.93	11.32	10.89	9.871
69.0	7.317	6.830	7.145	8.147	9.205	9.575	9.204	8.240
72.0	5.855	5.422	5.705	6.605	7.560	7.877	7.560	6.678
75.0	4.519	4.140	4.397	5.189	6.025	6.292	6.027	5.235
78.0	3.309	2.985	3.216	3.890	4.625	4.847	4.621	3.914
81.0	2.208	1.932	2.140	2.700	3.342	3.525	3.332	2.706
84.0	1.214	0.9807	1.163	1.621	2.176	2.324	2.154	1.611
87.0	0.2894	0.1024	0.2576	0.6199	1.078	1.226	1.072	0.6074
90.0	0.0863	0.0622	0.0908	0.0555	0.0652	0.1998	0.0779	0.0549

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