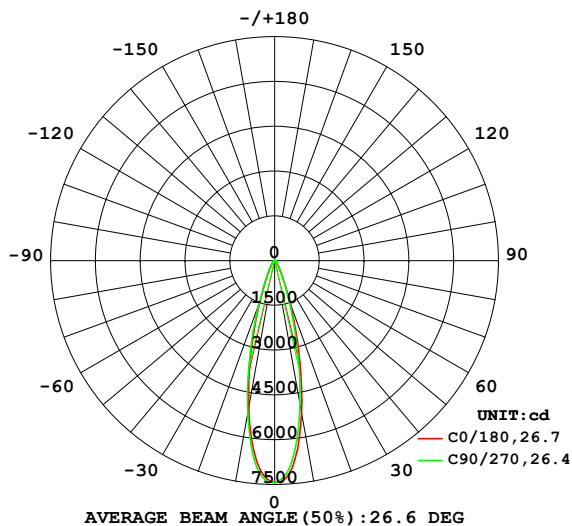


## LUMINAIRE PHOTOMETRIC TEST REPORT

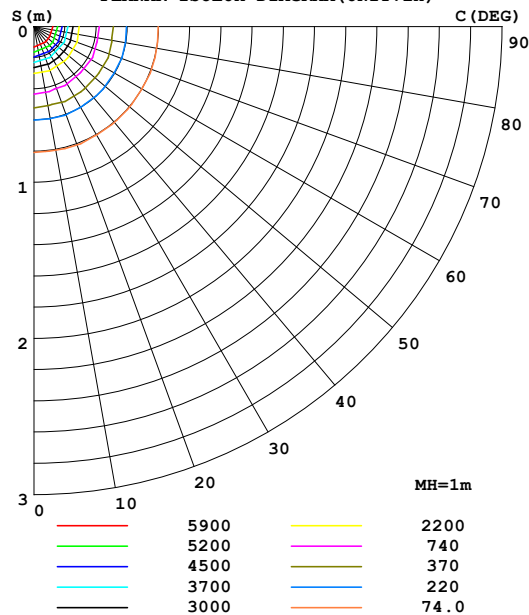
Test:U:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.06 lm/W			
MODEL		Imax (cd)	7427	S/MH(C0/180)	0.44
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.46
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2055.8	$\eta$ UP,DN(C0-180)	0.0,49.2
NOMINAL FLUX(lm)	2055.77	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,50.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	240.35	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	5189	5018	4887	4905	5009	5129	5217	5218	0- 10	595.0	595.0	28.9,28.9
20	1537	1471	1388	1396	1433	1483	1583	1593	10- 20	830.3	1425	69.3,69.3
30	384.6	374.6	364.6	374.4	375.0	378.3	387.1	391.9	20- 30	341.3	1767	85.9,85.9
40	140.7	137.1	134.9	137.8	137.2	137.3	142.0	141.5	30- 40	144.8	1911	93,93
50	69.15	65.61	68.81	65.84	65.97	65.57	68.54	66.39	40- 50	73.29	1985	96.5,96.5
60	35.17	34.31	35.23	34.35	34.64	35.15	37.44	35.81	50- 60	43.91	2029	98.7,98.7
70	11.67	10.43	9.399	9.445	9.746	11.06	11.94	11.91	60- 70	22.58	2051	99.8,99.8
80	1.769	1.625	1.511	1.446	1.474	1.538	1.754	1.791	70- 80	4.044	2055	100,100
90	0.0600	0.0388	0.0720	0.0399	0.0436	0.0366	0.0524	0.0377	80- 90	0.5741	2056	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): 1953.1 lm

%lum = 95.0%

%lamp = 95.0%

Conical surface Flux(120deg): 2028.6 lm

%lum = 98.7%

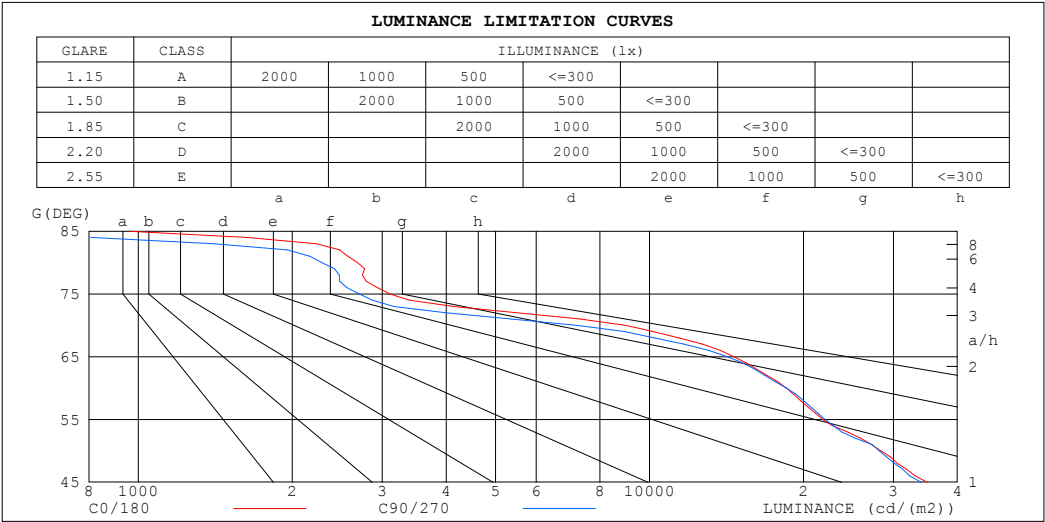
%lamp = 98.7%

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	961	649
80	2685	2289
75	3110	2706
70	8997	7228
65	14641	14214
60	18542	18531
55	21856	22058
50	28359	28157
45	34929	34012

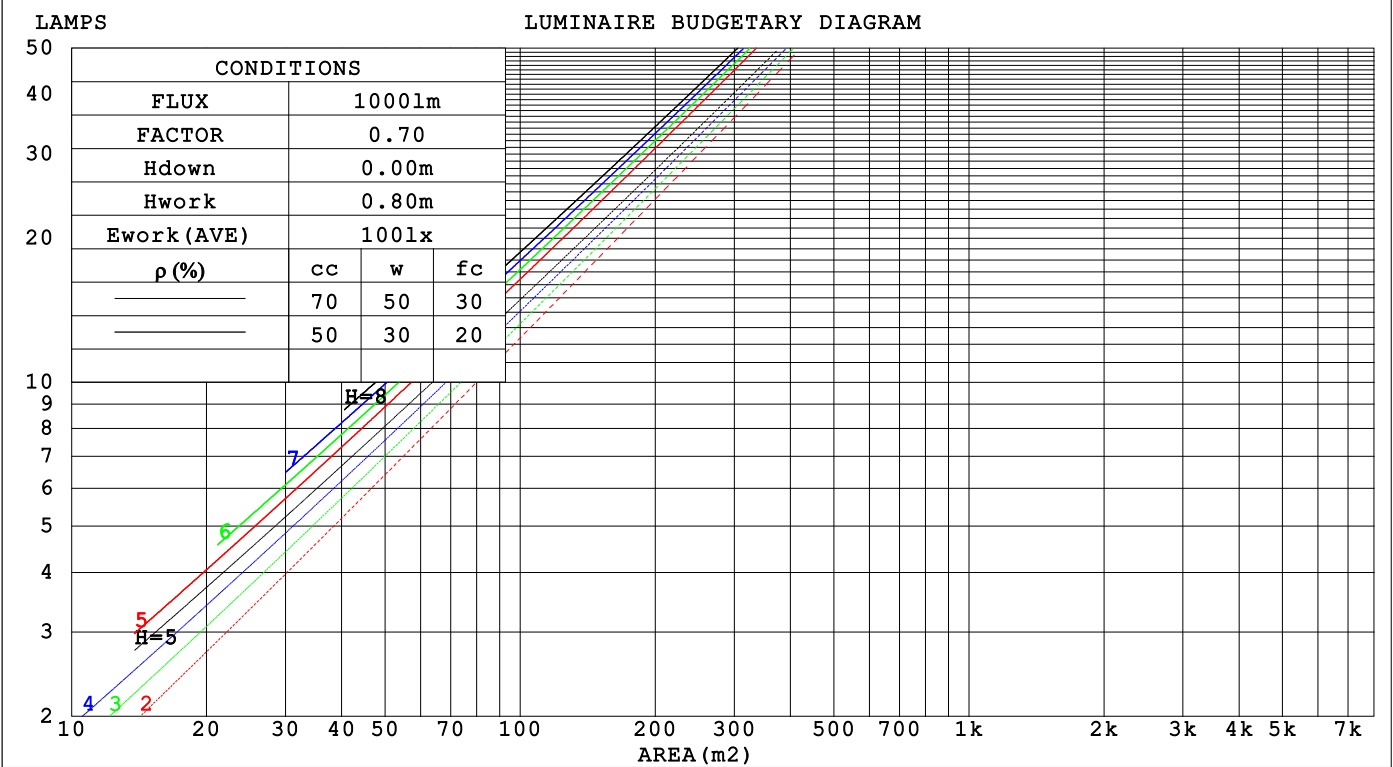
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

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:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879		
Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

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:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz			UTHDi:0.17% ITHDi:6.34% KDisp:0.9879			Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 70mm			Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0														
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
pfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.154	.087	.028	.147	.084	.027	.134	.077	.025	.123	.071	.023	.112	.065	.021															
2.0	.144	.079	.024	.139	.077	.024	.129	.072	.022	.119	.067	.021	.110	.062	.020															
3.0	.136	.072	.022	.131	.070	.021	.122	.066	.020	.114	.063	.019	.107	.059	.018															
4.0	.128	.066	.019	.124	.065	.019	.116	.062	.018	.109	.059	.018	.103	.056	.017															
5.0	.120	.061	.018	.117	.060	.017	.111	.058	.017	.105	.055	.016	.099	.053	.016															
6.0	.114	.057	.016	.111	.056	.016	.105	.054	.016	.100	.052	.015	.095	.050	.015															
7.0	.108	.053	.015	.106	.053	.015	.101	.051	.015	.096	.049	.014	.092	.048	.014															
8.0	.103	.050	.014	.101	.050	.014	.096	.048	.014	.092	.047	.013	.089	.045	.013															
9.0	.098	.047	.013	.096	.047	.013	.092	.046	.013	.089	.045	.013	.085	.043	.013															
10.0	.094	.045	.012	.092	.044	.012	.089	.043	.012	.085	.042	.012	.082	.041	.012															

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	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	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.064	.100	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.053	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.082	.054	.034	.056	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.073	.045	.026	.050	.032	.019	.029	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

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:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz											
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm											
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: Norming lighting						SUR.: 70mm		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		18.1	18.8	18.3	19.0	19.2	18.0	18.8	18.2	18.9	19.1
	3H	18.4	19.1	18.6	19.3	19.4	18.2	18.9	18.5	19.1	19.3
	4H	18.3	19.0	18.6	19.2	19.4	18.2	18.8	18.4	19.0	19.3
	6H	18.2	18.9	18.5	19.1	19.3	18.1	18.7	18.4	19.0	19.2
	8H	18.2	18.8	18.5	19.1	19.3	18.0	18.7	18.3	18.9	19.2
	12H	18.2	18.7	18.5	19.0	19.3	18.0	18.6	18.3	18.9	19.1
4H	2H	18.2	18.9	18.5	19.1	19.3	18.1	18.8	18.4	19.0	19.2
	3H	18.5	19.1	18.8	19.4	19.6	18.4	19.0	18.7	19.2	19.5
	4H	18.5	19.0	18.8	19.3	19.6	18.3	18.8	18.7	19.1	19.4
	6H	18.4	18.9	18.8	19.2	19.5	18.2	18.7	18.6	19.0	19.4
	8H	18.3	18.8	18.7	19.1	19.5	18.2	18.6	18.6	19.0	19.3
	12H	18.3	18.7	18.7	19.1	19.5	18.1	18.5	18.5	18.9	19.3
8H	4H	18.3	18.8	18.7	19.1	19.5	18.2	18.6	18.6	19.0	19.3
	6H	18.3	18.6	18.7	19.0	19.4	18.1	18.5	18.5	18.9	19.3
	8H	18.2	18.5	18.7	19.0	19.4	18.1	18.4	18.5	18.8	19.2
	12H	18.2	18.4	18.6	18.9	19.4	18.0	18.3	18.5	18.7	19.2
12H	4H	18.3	18.7	18.7	19.1	19.4	18.1	18.5	18.5	18.9	19.3
	6H	18.2	18.5	18.7	18.9	19.4	18.1	18.4	18.5	18.8	19.2
	8H	18.2	18.4	18.6	18.9	19.4	18.0	18.3	18.5	18.7	19.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.3 / - 1.8					+ 1.2 / - 1.7				
1.5H		+ 1.9 / - 1.2					+ 1.8 / - 1.1				
2.0H		+ 1.8 / - 1.4					+ 1.7 / - 1.4				

CIE Pub.117, 2056 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 2.5$ )  
Area: 0.0038 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

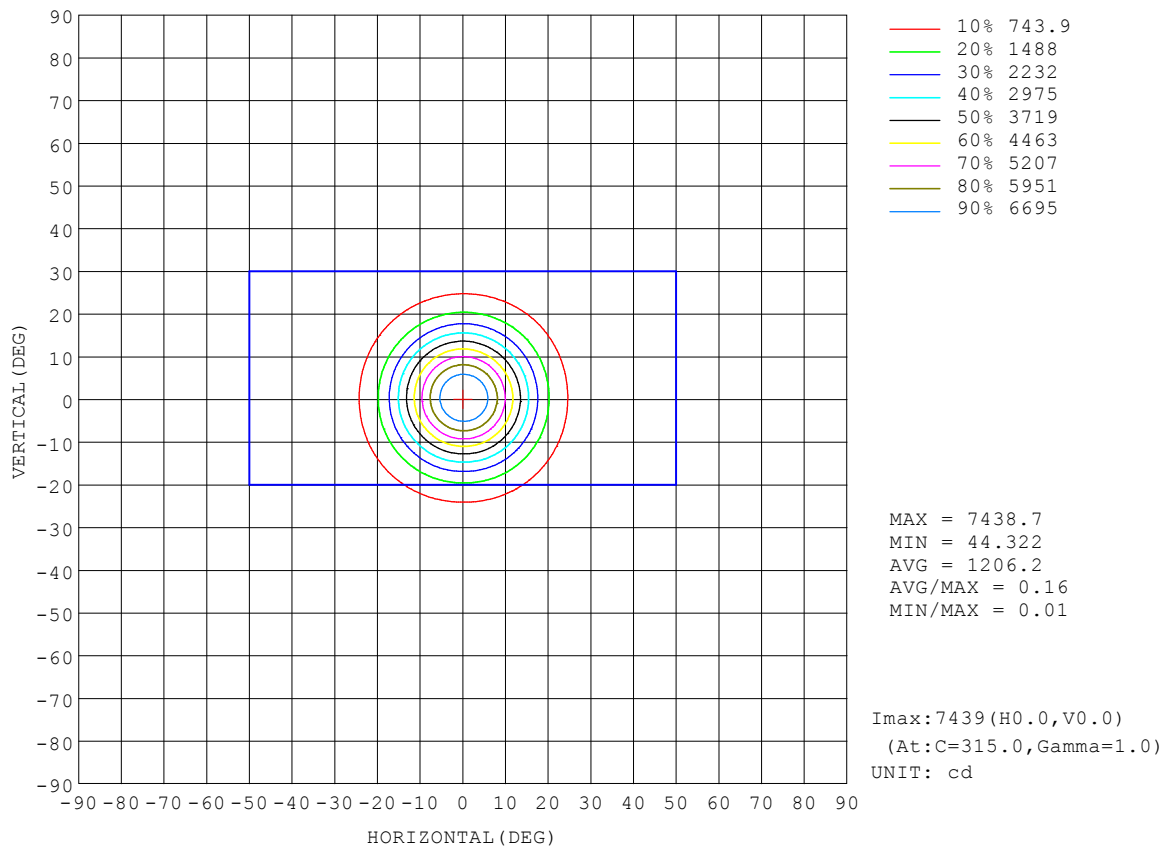
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	94
2.50	110	106	103	109	105	102	105	103	101	95
3.00	112	108	106	110	107	104	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
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: 2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
 Humidity: 65.0%  
 Test Distance: 3.090m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



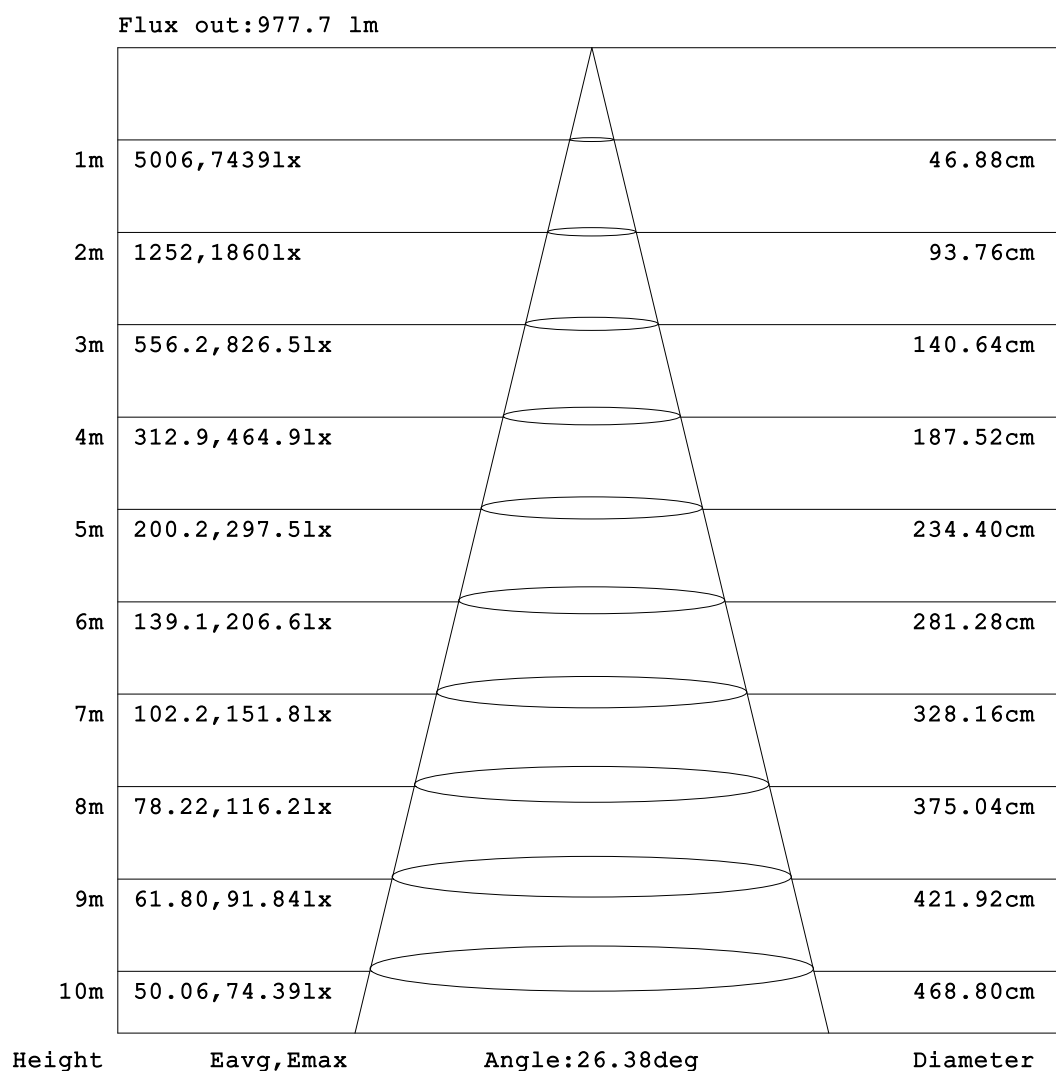
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



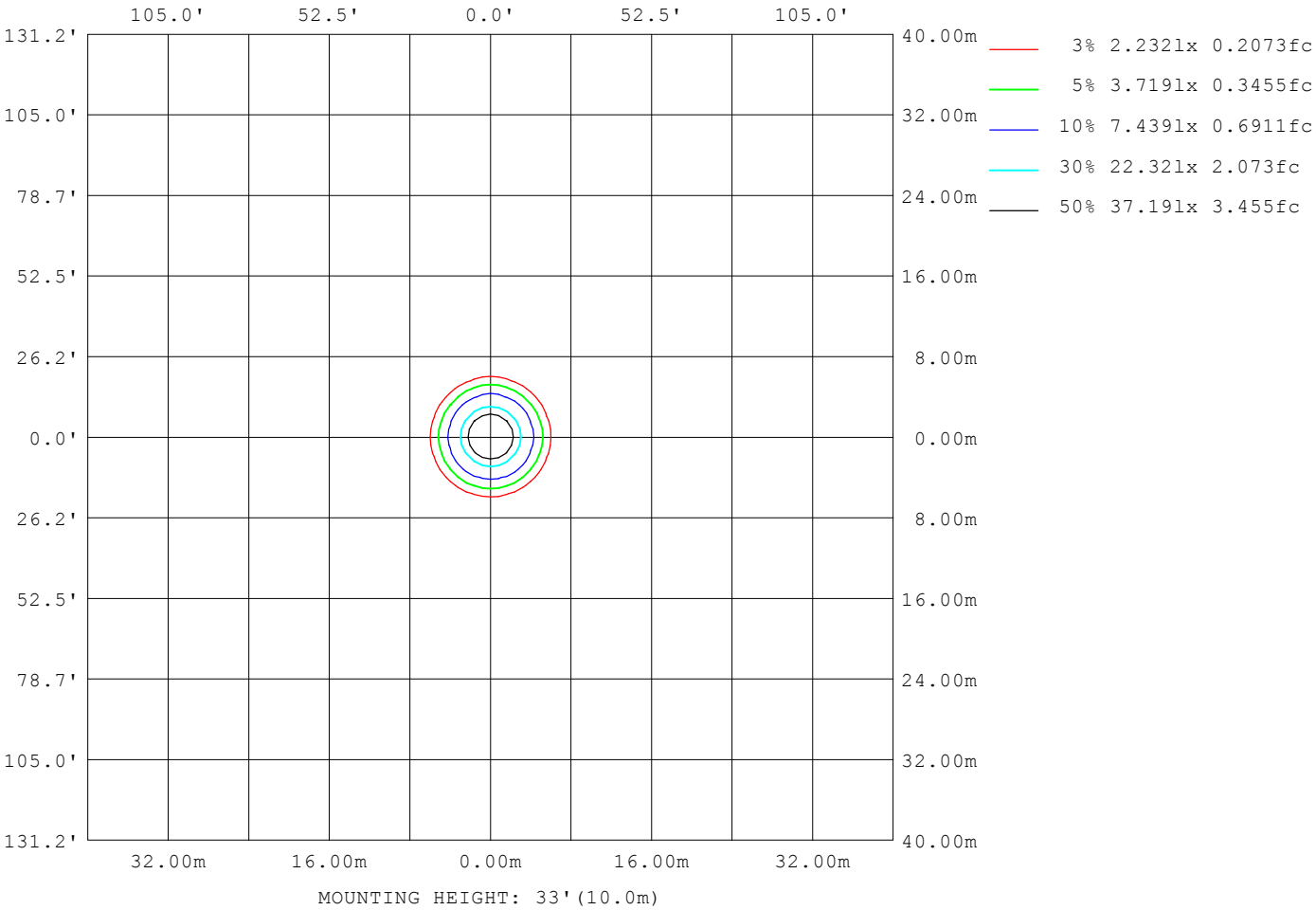
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity:65.0%  
Test Distance:3.090m [K=1.0000]  
Remarks:

ISOLUX DIAGRAM

Test:U:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:240.4V I:0.0843A P:19.9W PF:0.9841 Freq:49.99Hz UTHDi:0.17% ITHDi:6.34% KDisp:0.9879 Lamp Flux:2055.77x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 24D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

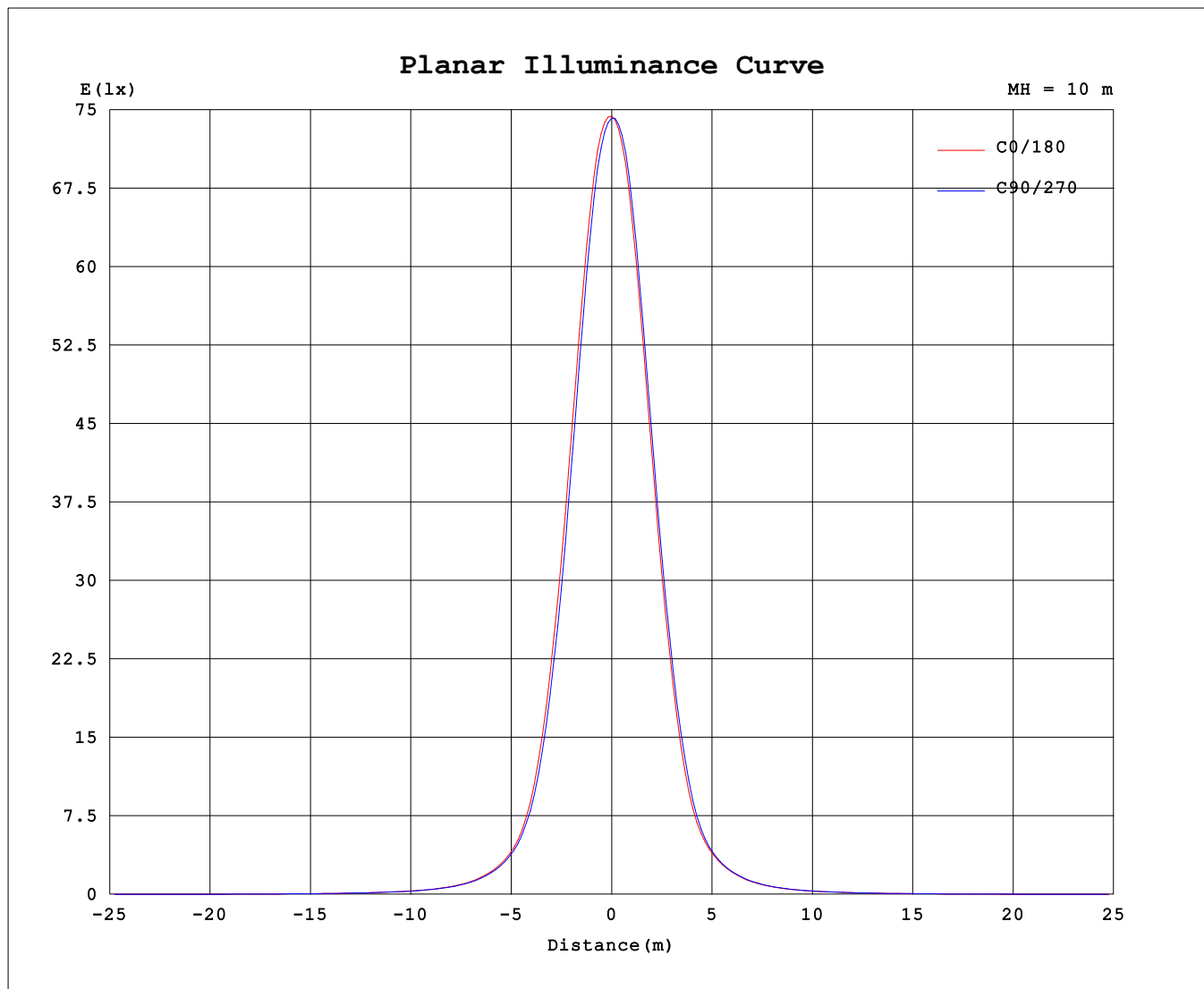
AvgL	cd/m2
L_0~180 (65) av	14223
L_0~180 (75) av	2929
L_0~180 (85) av	794
L_90~270 (65) av	14848
L_90~270 (75) av	2910
L_90~270 (85) av	732
L_45 (65) av	14226
L_45 (75) av	2891
L_45 (85) av	660

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-08-14

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: 2024-08-14

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.453  
Humidity: 65.0%  
Test Distance: 3.090m [K=1.0000]  
Remarks:

```

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 Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	7426	7426	7426	7426	7426	7426	7426	7426
3.0	7293	7231	7172	7163	7194	7239	7288	7312
6.0	6659	6535	6435	6441	6491	6585	6666	6698
9.0	5602	5433	5311	5320	5417	5523	5613	5631
12.0	4346	4176	4037	4065	4181	4307	4385	4365
15.0	3136	2997	2860	2891	2998	3104	3183	3161
18.0	2096	2014	1900	1926	1991	2041	2143	2144
21.0	1306	1248	1180	1185	1210	1255	1343	1357
24.0	807.6	780.2	751.5	759.0	766.6	788.6	823.4	849.6
27.0	542.8	527.9	512.9	523.9	525.6	534.3	549.3	556.3
30.0	384.6	374.6	364.6	374.4	375.0	378.3	387.1	391.9
33.0	278.9	271.4	264.8	272.0	271.3	274.1	280.1	283.0
36.0	205.3	200.4	195.5	200.9	200.2	201.3	208.1	208.0
39.0	154.1	150.2	147.3	150.8	150.4	150.7	155.5	155.3
42.0	118.1	115.2	114.2	115.6	115.6	115.4	119.5	118.5
45.0	93.69	90.10	91.44	90.88	91.04	91.31	94.50	93.33
48.0	77.47	74.09	76.69	74.49	74.13	73.85	76.95	75.12
51.0	64.82	61.92	65.18	62.00	62.30	62.07	65.09	62.58
54.0	50.80	49.47	51.09	49.89	50.31	50.62	53.52	51.91
57.0	42.12	41.33	42.76	41.72	42.09	42.25	44.82	42.88
60.0	35.17	34.31	35.23	34.35	34.64	35.15	37.44	35.81
63.0	27.91	27.13	27.75	26.90	27.04	27.63	29.63	28.36
66.0	21.21	19.96	20.18	19.31	19.57	20.69	22.37	21.54
69.0	13.79	12.65	12.15	11.93	12.21	13.16	14.20	14.06
72.0	6.409	5.157	4.669	4.621	4.800	5.718	6.446	6.720
75.0	3.054	2.800	2.662	2.636	2.708	2.808	3.062	3.130
78.0	2.163	2.040	1.955	1.899	1.905	1.964	2.162	2.184
81.0	1.524	1.392	1.288	1.225	1.264	1.330	1.519	1.541
84.0	0.6445	0.4049	0.3204	0.2436	0.2781	0.3996	0.5831	0.6333
87.0	0.1782	0.1145	0.1322	0.0912	0.1090	0.1105	0.1579	0.1393
90.0	0.0600	0.0388	0.0720	0.0399	0.0436	0.0366	0.0524	0.0377

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