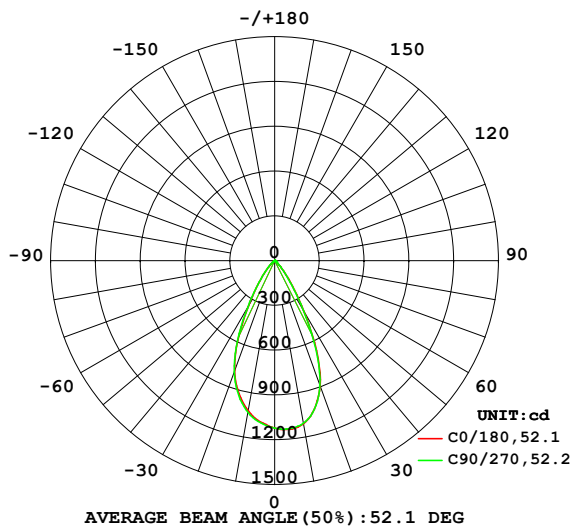


## LUMINAIRE PHOTOMETRIC TEST REPORT

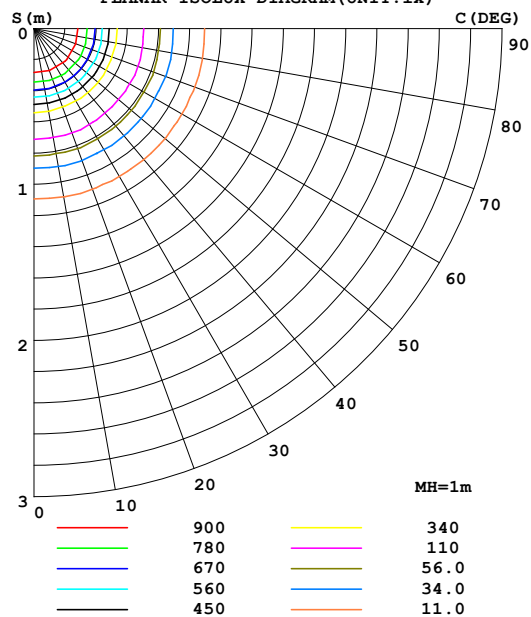
Test:U:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401 Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 92.10 lm/W
MODEL		I <sub>max</sub> (cd)	1143	S/MH(C0/180)		0.77
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)		0.78
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	847.33	η UP,DN(C0-180)		0.0,51.7
NOMINAL FLUX(lm)	847.333	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,48.3
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM		0.75
TEST VOLTAGE(V)	240.2	η down(%)	100.0	CIBSE SHR MAX		0.80

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:2023-12-21

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1111	1126	1107	1057	1021	1004	1032	1073	0- 10	104.6	104.6	12.3,12.3
20	891.8	907.2	888.5	820.3	785.6	761.2	791.3	836.2	10- 20	270.8	375.4	44.3,44.3
30	398.0	401.5	387.7	363.6	355.2	350.8	364.1	376.1	20- 30	277.6	652.9	77.1,77.1
40	105.6	106.3	102.8	99.96	101.5	101.4	104.8	102.2	30- 40	131.1	784.1	92.5,92.5
50	24.30	24.91	24.86	23.89	24.73	25.55	25.88	23.76	40- 50	41.91	826.0	97.5,97.5
60	8.796	8.866	9.014	8.787	8.836	8.977	9.093	8.794	50- 60	13.41	839.4	99.1,99.1
70	3.393	3.393	3.416	3.367	3.372	3.427	3.481	3.384	60- 70	5.674	845.1	99.7,99.7
80	0.7731	0.7175	0.6563	0.7446	0.7928	0.7476	0.6642	0.7251	70- 80	2.049	847.1	100,100
90	0.0308	0.0244	0.0280	0.0229	0.0256	0.0250	0.0254	0.0229	80- 90	0.1934	847.3	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): 811.42 lm

%lum = 95.8%

%lamp = 95.8%

Conical surface Flux(120deg): 839.42 lm

%lum = 99.1%

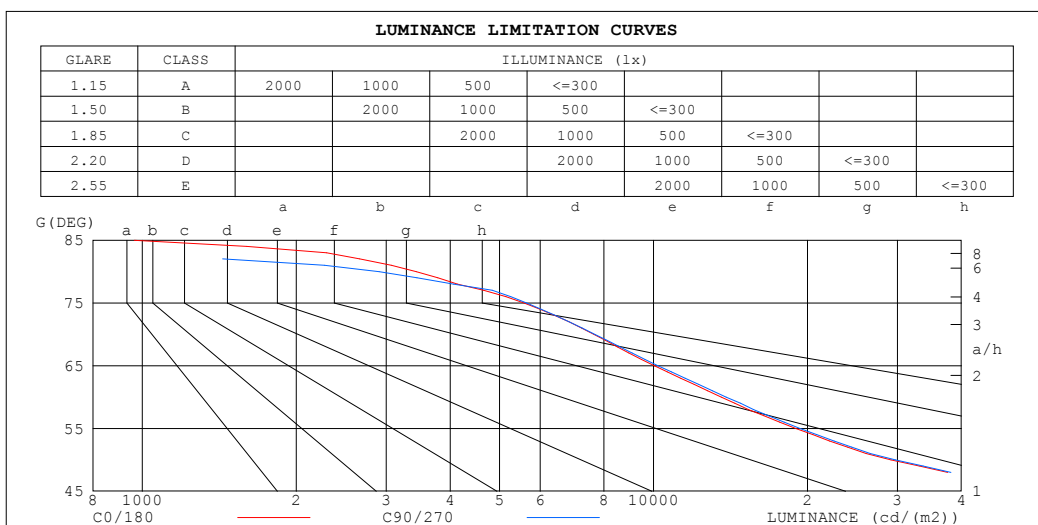
%lamp = 99.1%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-21

$\gamma$  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:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401 Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



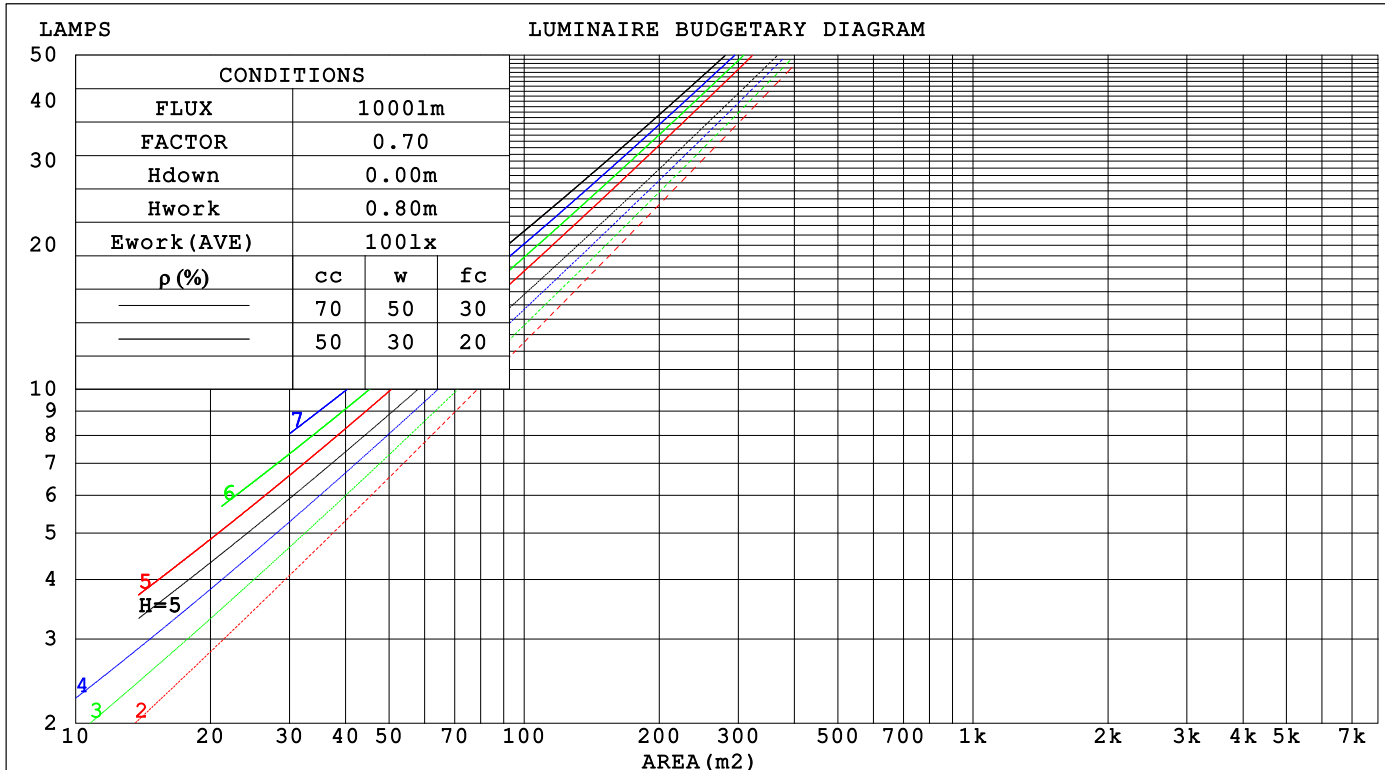
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-21

$\gamma$  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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401		
Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	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															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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.97	.96	.94														
2.0	1.04	.00	.96	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88														
3.0	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.85	.88	.86	.83	.82														
4.0	.91	.85	.81	.90	.85	.81	.88	.83	.80	.86	.82	.79	.84	.81	.78	.77														
5.0	.85	.80	.76	.84	.79	.75	.83	.78	.75	.81	.77	.74	.80	.76	.73	.72														
6.0	.80	.75	.71	.80	.74	.70	.78	.73	.70	.77	.73	.69	.76	.72	.69	.68														
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.73	.69	.65	.72	.68	.65	.64														
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60														
9.0	.68	.63	.59	.68	.62	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.57														
10.0	.65	.59	.56	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.54														



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-21

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:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.24% KDisp:0.9401			Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming Lighting			SUR.: 41mm			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	.174	.099	.031	.167	.095	.030	.155	.089	.028	.143	.083	.027	.133	.077	.025		
2.0	.166	.091	.028	.161	.088	.027	.150	.083	.026	.140	.079	.025	.131	.074	.023		
3.0	.158	.084	.025	.153	.082	.025	.144	.078	.024	.136	.074	.023	.128	.071	.022		
4.0	.150	.078	.023	.146	.076	.023	.138	.073	.022	.131	.070	.021	.124	.068	.021		
5.0	.143	.073	.021	.139	.072	.021	.133	.069	.020	.126	.067	.020	.121	.064	.019		
6.0	.136	.068	.020	.133	.067	.019	.127	.065	.019	.122	.063	.019	.117	.061	.018		
7.0	.130	.064	.018	.127	.063	.018	.122	.062	.018	.117	.060	.017	.113	.059	.017		
8.0	.125	.061	.017	.122	.060	.017	.117	.059	.017	.113	.057	.017	.109	.056	.016		
9.0	.119	.058	.016	.117	.057	.016	.113	.056	.016	.109	.055	.016	.105	.053	.015		
10.0	.115	.055	.015	.113	.054	.015	.109	.053	.015	.105	.052	.015	.102	.051	.015		

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016		
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013		
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011		
4.0	.132	.099	.073	.114	.085	.063	.078	.059	.045	.045	.035	.026	.015	.011	.009		
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007		
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006		
7.0	.110	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005		
8.0	.104	.064	.036	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004		
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004		
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003		

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-21

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:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz UTHDi:0.17% ITHDi:18.24% KDisp:0.9401Lamp Flux:847.333x1 lm										
NAME: MD10-09-XX-04 4000K RA90 50D						TYPE:		WEIGHT:		
SPEC.:						DIM.:		SERIAL No.:		
MFR.: Norming Lighting						SUR.: 41mm		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	21.6	22.6	21.9	22.7	22.9	21.6	22.5	21.8	22.6	22.8
3H	21.5	22.4	21.8	22.6	22.8	21.5	22.3	21.7	22.5	22.7
4H	21.5	22.3	21.8	22.5	22.7	21.4	22.2	21.7	22.4	22.6
6H	21.4	22.2	21.7	22.4	22.6	21.3	22.1	21.6	22.3	22.6
8H	21.4	22.1	21.7	22.3	22.6	21.3	22.0	21.6	22.3	22.5
12H	21.3	22.0	21.6	22.3	22.6	21.2	21.9	21.6	22.2	22.5
4H 2H	21.5	22.2	21.7	22.5	22.7	21.4	22.2	21.6	22.4	22.6
3H	21.4	22.1	21.7	22.3	22.6	21.3	22.0	21.6	22.3	22.5
4H	21.3	21.9	21.7	22.2	22.6	21.2	21.9	21.6	22.2	22.5
6H	21.2	21.8	21.6	22.1	22.5	21.2	21.7	21.5	22.0	22.4
8H	21.2	21.7	21.6	22.1	22.4	21.1	21.6	21.5	22.0	22.3
12H	21.2	21.6	21.6	22.0	22.4	21.1	21.5	21.5	21.9	22.3
8H 4H	21.2	21.7	21.6	22.1	22.4	21.1	21.6	21.5	22.0	22.3
6H	21.1	21.5	21.5	21.9	22.3	21.0	21.5	21.5	21.9	22.3
8H	21.1	21.4	21.5	21.9	22.3	21.0	21.4	21.4	21.8	22.2
12H	21.0	21.3	21.5	21.8	22.2	20.9	21.2	21.4	21.7	22.2
12H 4H	21.1	21.6	21.6	22.0	22.4	21.1	21.5	21.5	21.9	22.3
6H	21.1	21.4	21.5	21.9	22.3	21.0	21.4	21.4	21.8	22.2
8H	21.0	21.3	21.5	21.8	22.2	20.9	21.2	21.4	21.7	22.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.9 / - 6.1					+ 2.8 / - 5.9				
1.5H	+ 4.7 / - 5.0					+ 4.6 / - 4.9				
2.0H	+ 4.6 / - 3.4					+ 4.6 / - 3.4				

CIE Pub.117, 847.3 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.6)  
Area: 0.0013 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-21

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:

### UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401 Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

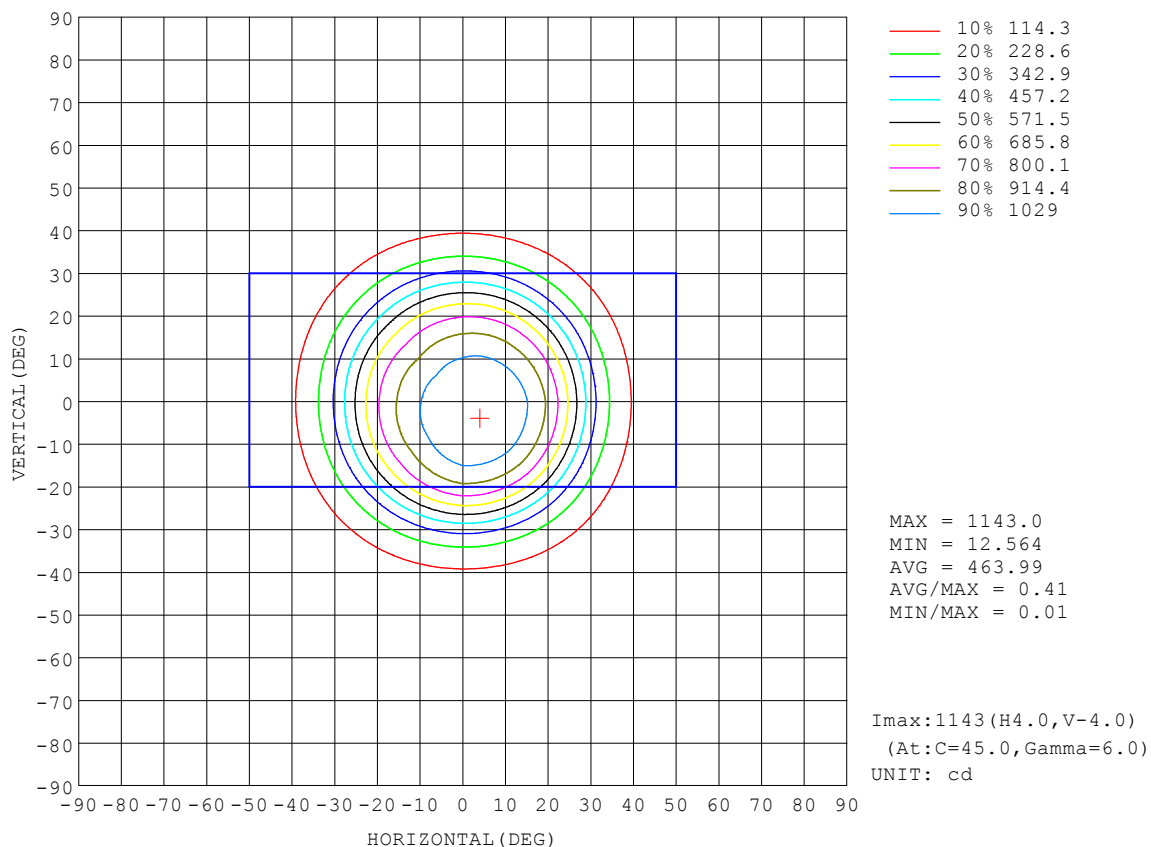
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	77	86	80	76	86	80	76	73
0.80	94	88	85	94	88	85	93	88	84	80
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	107	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:2023-12-21

$\gamma$  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:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401 Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



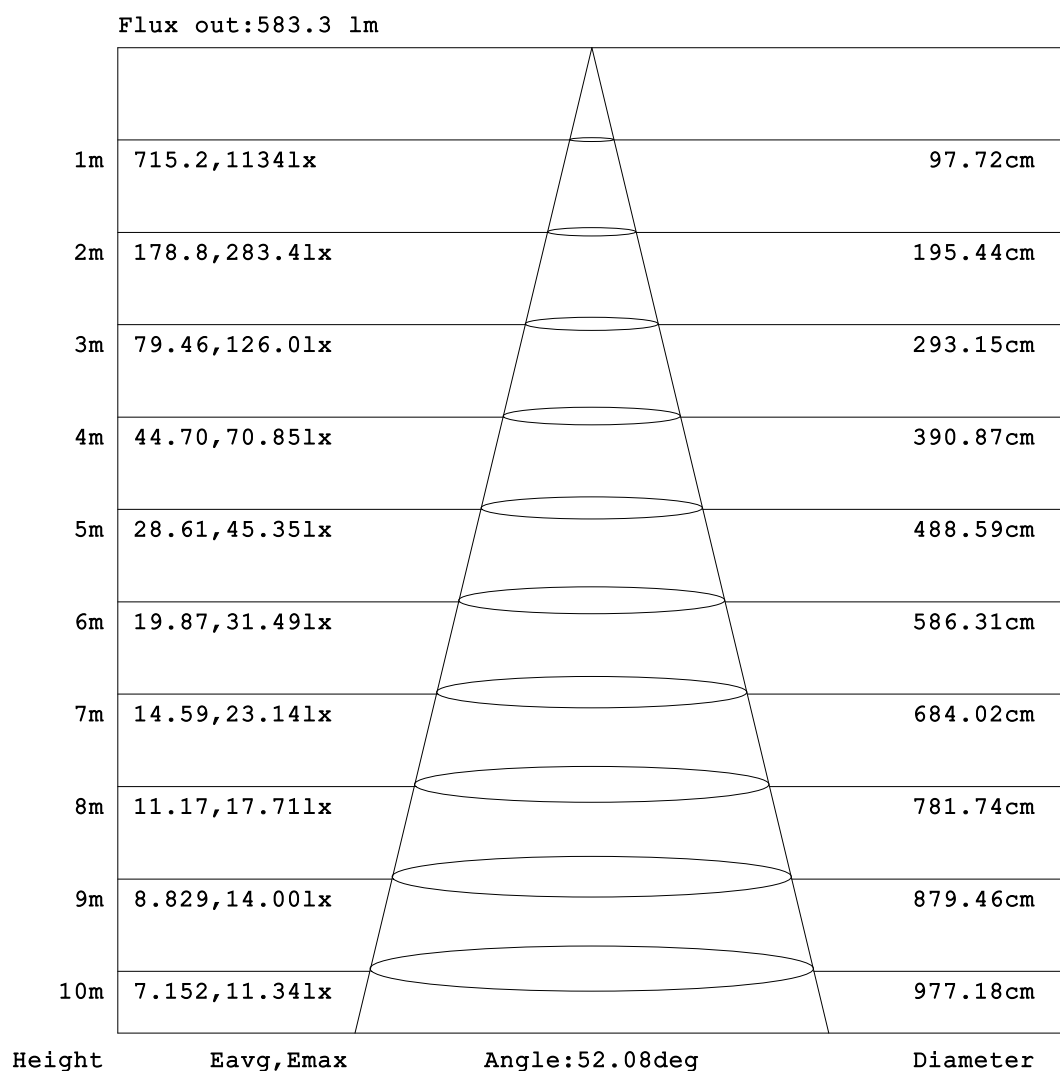
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-21

$\gamma$  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:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401		Lamp Flux:847.333x1 lm
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



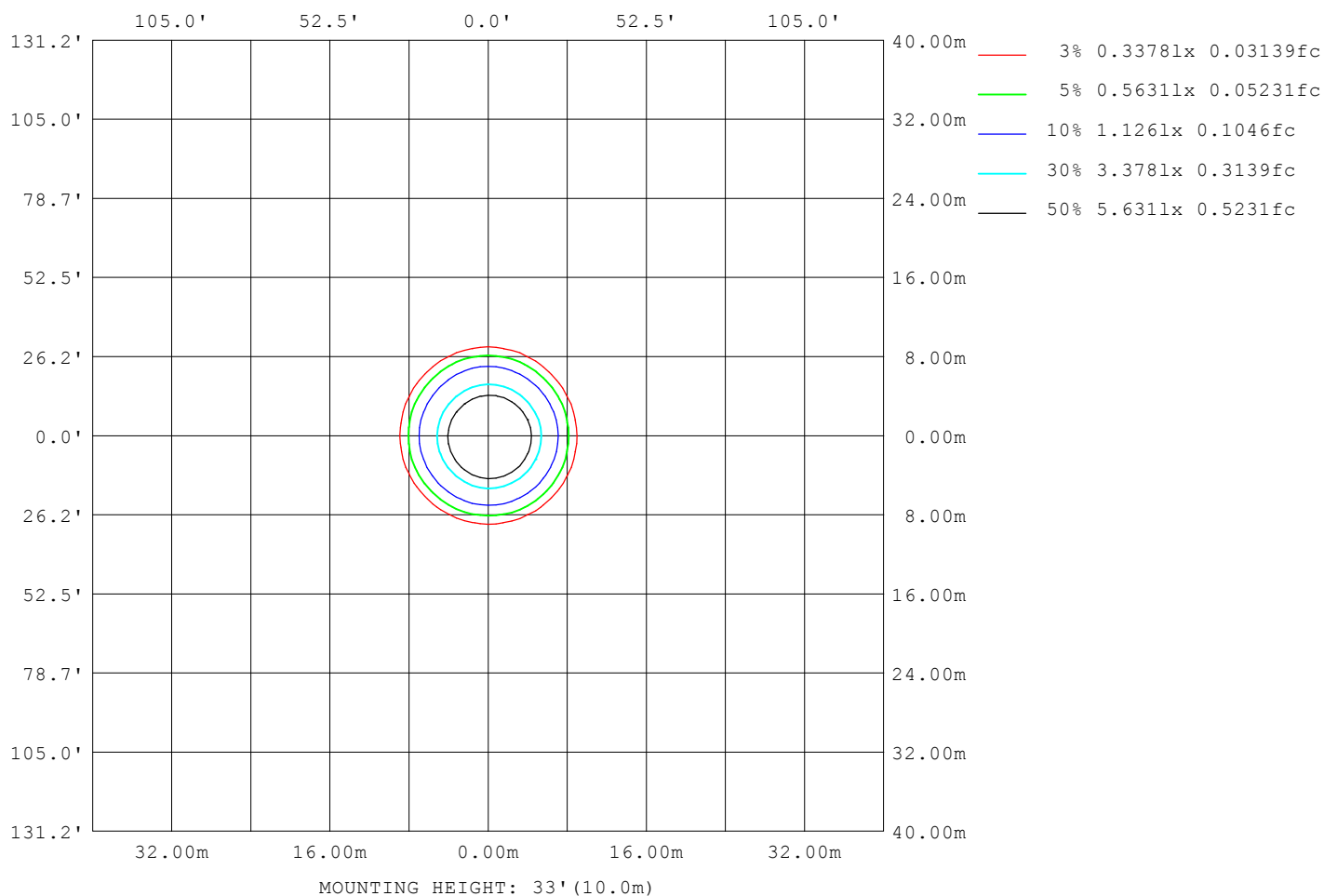
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-21

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:

ISOLUX DIAGRAM

Test:U:240.3V I:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401 Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-21

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:0.0414A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.24% KDisp:0.9401 Lamp Flux:847.333x1 lm		
NAME: MD10-09-XX-04 4000K RA90 50D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

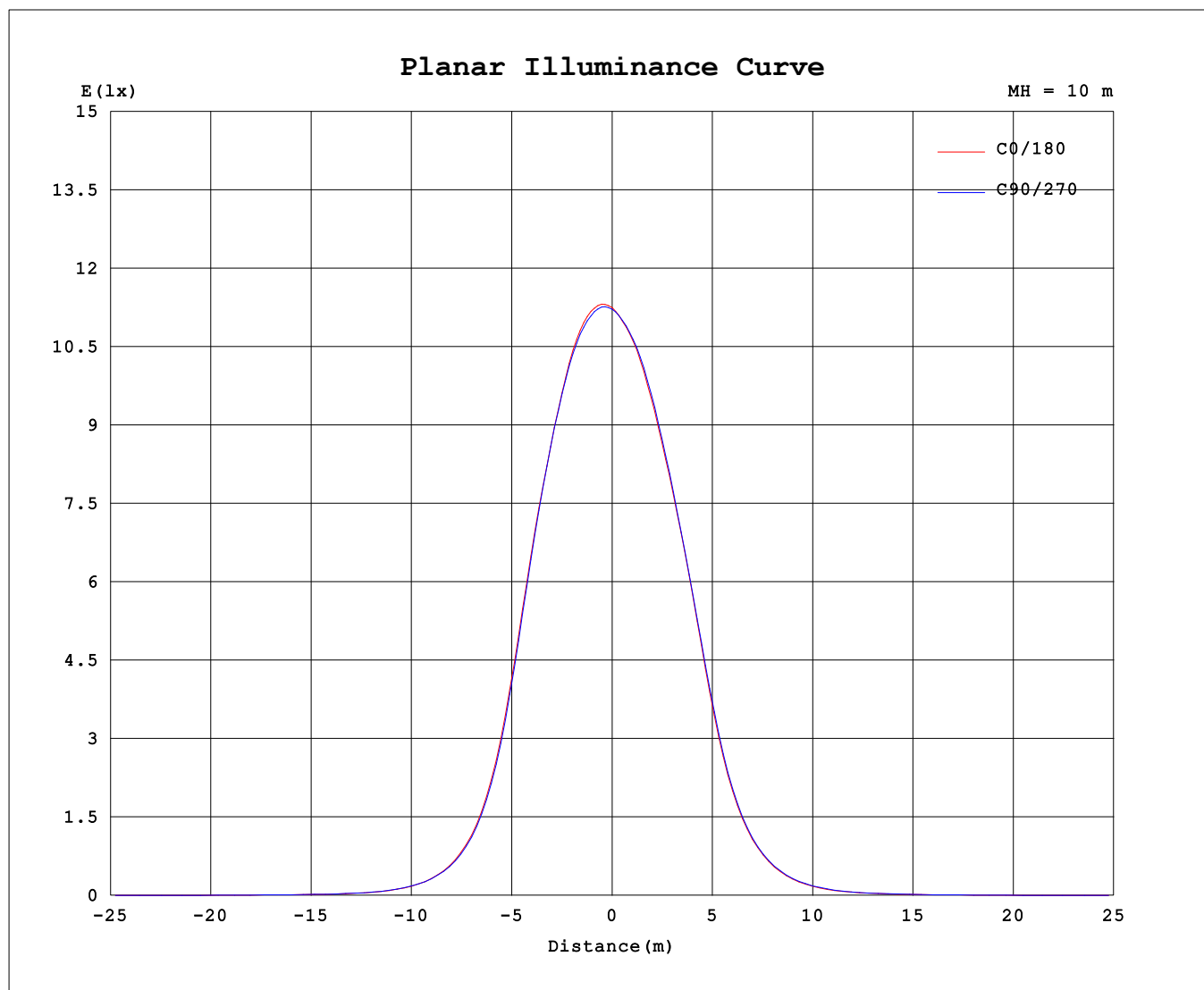
AvgL	cd/m2
L_0~180 (65) av	9995
L_0~180 (75) av	5614
L_0~180 (85) av	1062
L_90~270 (65) av	10239
L_90~270 (75) av	5750
L_90~270 (85) av	278
L_45 (65) av	10052
L_45 (75) av	5611
L_45 (85) av	215

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-21

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: 2023-12-21

$\gamma$  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	1122	1122	1122	1122	1122	1122	1122	1122
3.0	1133	1138	1131	1115	1100	1097	1105	1120
6.0	1134	1143	1128	1098	1076	1067	1082	1109
9.0	1119	1133	1115	1070	1037	1022	1048	1086
12.0	1086	1102	1084	1025	986.6	966.1	998.3	1041
15.0	1029	1047	1030	961.6	923.4	899.9	934.2	980.2
18.0	953.3	971.5	955.1	882.7	847.2	821.5	854.2	900.8
21.0	855.2	868.9	850.1	784.0	751.3	727.6	755.9	799.7
24.0	718.1	729.4	709.2	652.8	627.1	609.8	636.1	668.4
27.0	555.7	562.0	544.0	502.9	486.1	477.2	498.1	519.7
30.0	398.0	401.5	387.7	363.6	355.2	350.8	364.1	376.1
33.0	272.8	274.3	265.3	253.3	249.5	247.6	256.0	260.4
36.0	183.8	183.9	178.1	172.4	172.2	170.7	176.7	177.0
39.0	121.7	122.1	118.3	114.9	116.3	115.8	120.0	117.8
42.0	79.31	79.97	78.15	74.92	76.73	77.93	79.80	76.67
45.0	50.72	52.01	51.15	48.54	50.07	51.56	52.64	48.96
48.0	32.63	33.40	33.22	31.65	32.79	33.81	34.44	31.62
51.0	21.25	21.63	21.73	21.04	21.72	22.33	22.65	20.91
54.0	15.62	15.81	15.96	15.55	15.91	16.20	16.43	15.50
57.0	11.61	11.73	11.89	11.61	11.77	11.94	12.11	11.60
60.0	8.796	8.866	9.014	8.787	8.836	8.977	9.093	8.794
63.0	6.657	6.712	6.810	6.639	6.652	6.775	6.854	6.645
66.0	4.990	5.031	5.087	4.971	4.978	5.069	5.120	4.977
69.0	3.749	3.761	3.789	3.728	3.736	3.795	3.847	3.742
72.0	2.733	2.724	2.744	2.716	2.721	2.763	2.812	2.729
75.0	1.873	1.862	1.901	1.890	1.905	1.915	1.968	1.885
78.0	1.116	1.095	1.099	1.182	1.192	1.185	1.098	1.122
81.0	0.6230	0.5385	0.4618	0.5641	0.6322	0.5641	0.4560	0.5520
84.0	0.2168	0.0725	0.0348	0.0839	0.2663	0.0756	0.0293	0.0565
87.0	0.0366	0.0206	0.0341	0.0177	0.0320	0.0199	0.0283	0.0200
90.0	0.0308	0.0244	0.0280	0.0229	0.0256	0.0250	0.0254	0.0229

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