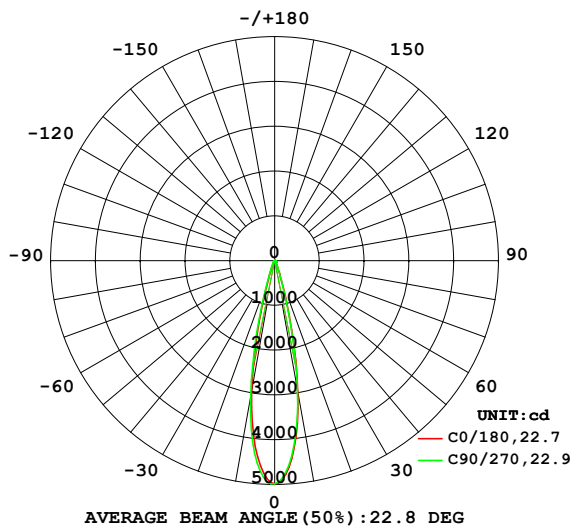


## LUMINAIRE PHOTOMETRIC TEST REPORT

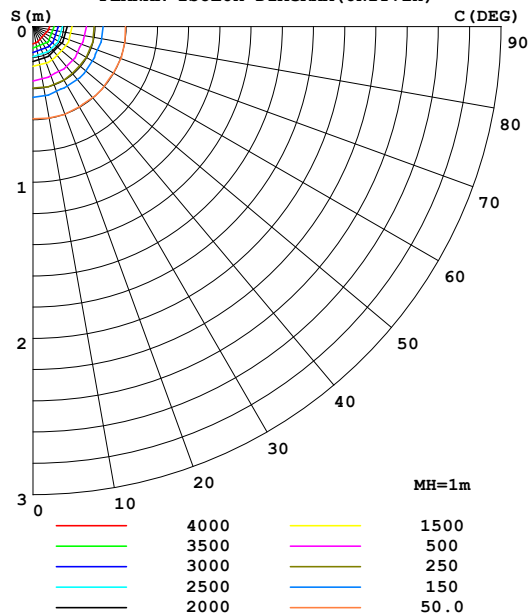
Test:U:240.3V I:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 96.12 lm/W
MODEL		I <sub>max</sub> (cd)	4983	S/MH (C0/180)		0.37
NOMINAL POWER(W)	9	LOR (%)	100.0	S/MH (C90/270)		0.38
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	879.82	η UP,DN (C0-180)		0.0,49.4
NOMINAL FLUX(lm)	879.825	CIE CLASS	DIRECT	η UP,DN (C180-360)		0.0,50.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	240.18	η 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: MEDIUM  
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	2989	2933	2943	2932	2975	3069	3116	3069	0- 10	377.4	377.4	42.9,42.9
20	395.6	384.8	372.4	351.8	335.0	365.0	412.4	407.4	10- 20	361.3	738.8	84,84
30	82.06	84.49	84.08	79.08	76.18	82.29	89.01	85.56	20- 30	79.24	818.0	93,93
40	33.43	33.67	32.41	31.33	30.60	31.45	33.08	33.76	30- 40	32.08	850.1	96.6,96.6
50	15.28	15.05	14.65	14.20	14.19	14.09	14.74	14.73	40- 50	17.32	867.4	98.6,98.6
60	4.261	4.404	4.565	4.571	4.506	4.465	4.506	4.250	50- 60	7.865	875.3	99.5,99.5
70	1.839	1.889	2.013	2.005	2.000	2.029	2.056	1.904	60- 70	2.947	878.2	99.8,99.8
80	0.6934	0.6911	0.6952	0.7101	0.7381	0.7328	0.6793	0.6698	70- 80	1.365	879.6	100,100
90	0.0372	0.0202	0.0437	0.0229	0.0231	0.0241	0.0286	0.0190	80- 90	0.2317	879.8	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): 860.06 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(120deg): 875.28 lm

%lum = 99.5%

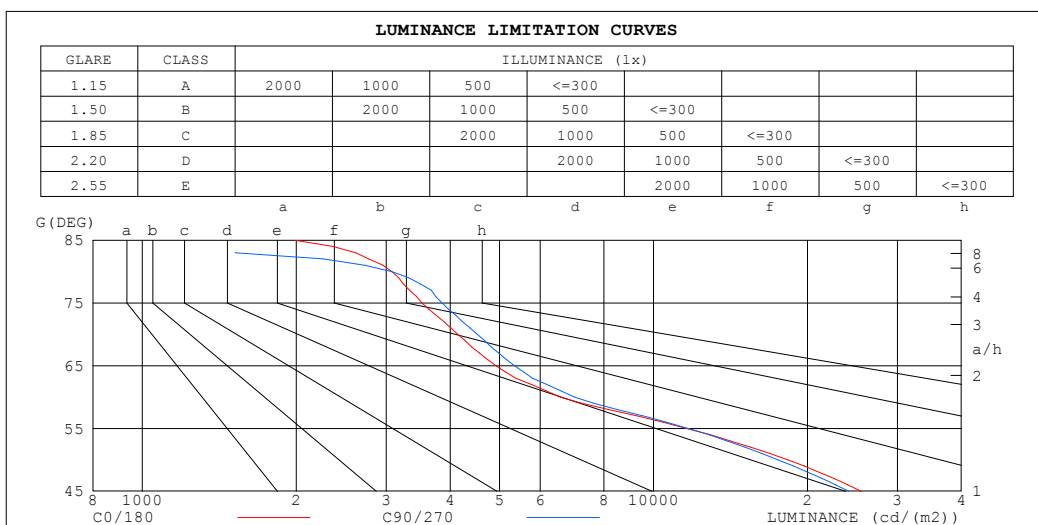
%lamp = 99.5%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



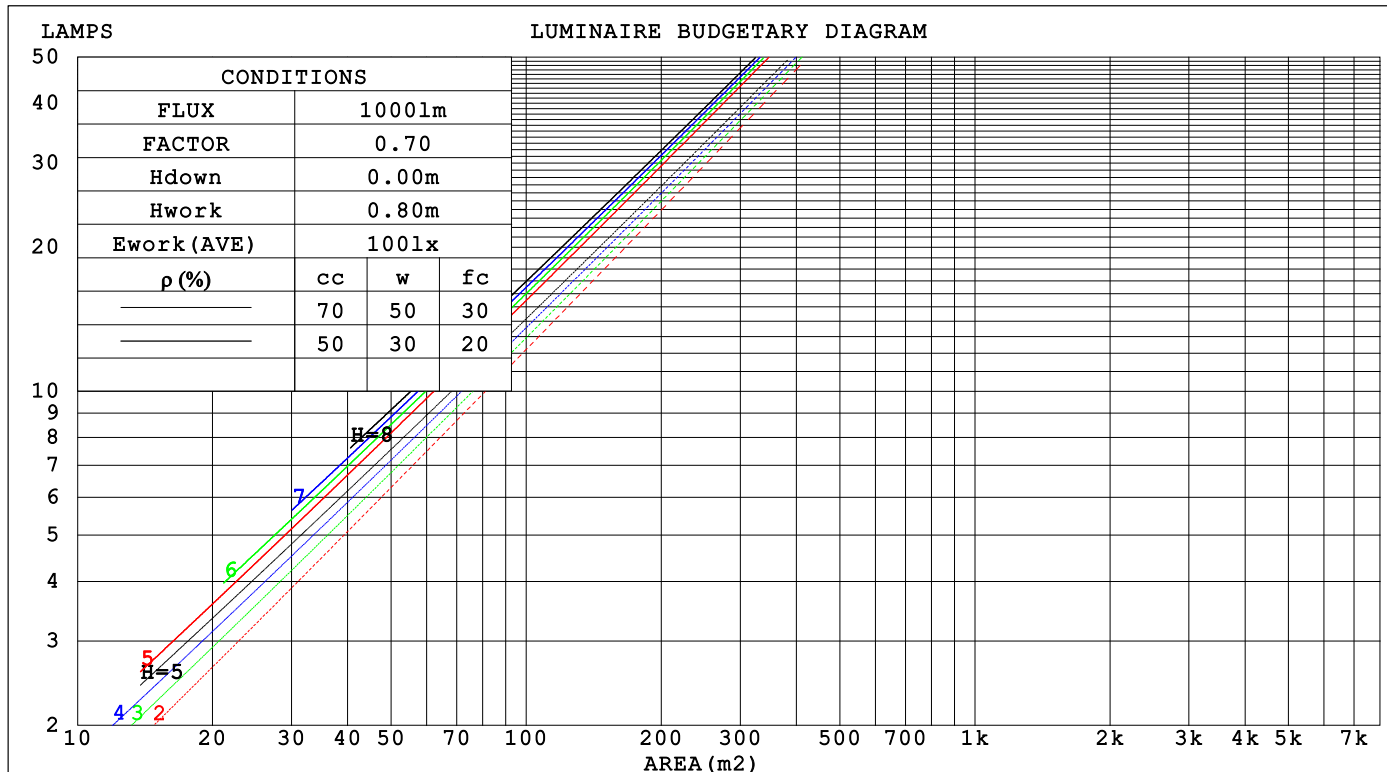
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-21

$\gamma$  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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
p <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p <sub>fc</sub>	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	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97														
2.0	1.08	1.05	1.03	1.06	1.04	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94														
3.0	1.04	.00	.97	1.02	.99	.96	.00	.97	.95	.97	.95	.94	.95	.94	.92	.91														
4.0	.00	.96	.93	.99	.95	.92	.97	.94	.91	.95	.92	.90	.93	.91	.89	.88														
5.0	.96	.92	.89	.95	.92	.89	.94	.91	.88	.92	.90	.88	.91	.89	.87	.86														
6.0	.93	.89	.86	.93	.89	.86	.91	.88	.86	.90	.87	.85	.89	.86	.85	.84														
7.0	.91	.87	.84	.90	.86	.84	.89	.86	.83	.88	.85	.83	.87	.84	.82	.81														
8.0	.88	.84	.81	.88	.84	.81	.87	.83	.81	.86	.83	.81	.85	.82	.80	.80														
9.0	.86	.82	.79	.85	.82	.79	.85	.81	.79	.84	.81	.79	.83	.81	.79	.78														
10.0	.84	.80	.78	.83	.80	.77	.83	.80	.77	.82	.79	.77	.82	.79	.77	.76														



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz			UTHDi:0.18% ITHDi:18.18% KDisp:0.9404			Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D			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	.134	.076	.024	.128	.073	.023	.115	.066	.021	.104	.060	.019	.093	.054	.017		
2.0	.124	.068	.021	.119	.065	.020	.109	.060	.019	.099	.056	.017	.090	.051	.016		
3.0	.115	.061	.018	.111	.059	.018	.102	.055	.017	.094	.052	.016	.087	.048	.015		
4.0	.108	.056	.016	.104	.054	.016	.097	.051	.015	.090	.048	.015	.084	.046	.014		
5.0	.101	.051	.015	.098	.050	.015	.092	.048	.014	.086	.045	.013	.081	.043	.013		
6.0	.095	.048	.014	.092	.047	.013	.087	.045	.013	.082	.043	.013	.078	.041	.012		
7.0	.090	.044	.013	.088	.044	.012	.083	.042	.012	.079	.040	.012	.075	.039	.011		
8.0	.085	.042	.012	.083	.041	.012	.079	.040	.011	.076	.038	.011	.072	.037	.011		
9.0	.081	.039	.011	.079	.039	.011	.076	.038	.011	.073	.036	.010	.070	.035	.010		
10.0	.078	.037	.010	.076	.037	.010	.073	.036	.010	.070	.035	.010	.067	.034	.010		

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	.168	.158	.148	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017		
2.0	.150	.133	.118	.128	.114	.102	.088	.079	.071	.051	.046	.042	.016	.015	.014		
3.0	.135	.113	.096	.115	.098	.083	.079	.068	.058	.046	.040	.034	.015	.013	.011		
4.0	.122	.098	.079	.105	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009		
5.0	.111	.085	.066	.096	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008		
6.0	.102	.075	.056	.088	.065	.049	.061	.046	.035	.035	.027	.021	.011	.009	.007		
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006		
8.0	.088	.060	.041	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005		
9.0	.082	.055	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004		
10.0	.077	.050	.032	.066	.043	.028	.046	.030	.020	.027	.018	.012	.009	.006	.004		

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm										
NAME: MD10-09-XX-04 4000K RA90 24D					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	13.8	14.5	14.0	14.6	14.8	13.8	14.4	14.0	14.6	14.7
3H	13.9	14.5	14.1	14.7	14.8	13.9	14.5	14.1	14.7	14.8
4H	13.9	14.5	14.2	14.7	14.9	13.9	14.5	14.2	14.7	14.9
6H	13.9	14.4	14.2	14.6	14.9	13.9	14.4	14.2	14.7	14.9
8H	13.9	14.4	14.2	14.6	14.9	13.9	14.4	14.2	14.6	14.9
12H	13.8	14.3	14.1	14.6	14.9	13.8	14.3	14.1	14.6	14.9
4H 2H	13.8	14.4	14.1	14.6	14.8	13.8	14.3	14.0	14.5	14.7
3H	13.9	14.4	14.2	14.6	14.9	13.9	14.4	14.2	14.6	14.9
4H	13.9	14.4	14.3	14.7	15.0	13.9	14.4	14.3	14.7	15.0
6H	13.9	14.3	14.3	14.7	15.0	14.0	14.4	14.3	14.7	15.0
8H	13.9	14.3	14.3	14.6	15.0	13.9	14.3	14.3	14.7	15.0
12H	13.9	14.2	14.3	14.6	15.0	13.9	14.2	14.3	14.6	15.0
8H 4H	13.8	14.2	14.2	14.6	14.9	13.9	14.2	14.2	14.6	14.9
6H	13.9	14.2	14.3	14.6	15.0	13.9	14.2	14.3	14.6	15.0
8H	13.9	14.2	14.3	14.6	15.0	13.9	14.2	14.3	14.6	15.0
12H	13.8	14.1	14.3	14.5	15.0	13.8	14.1	14.3	14.5	15.0
12H 4H	13.8	14.1	14.2	14.5	14.9	13.8	14.2	14.2	14.5	14.9
6H	13.8	14.1	14.3	14.5	15.0	13.9	14.1	14.3	14.6	15.0
8H	13.8	14.1	14.3	14.5	15.0	13.8	14.1	14.3	14.5	15.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.6 / - 2.8					+ 1.5 / - 2.6				
1.5H	+ 1.8 / - 2.2					+ 1.9 / - 2.0				
2.0H	+ 3.4 / - 3.5					+ 3.2 / - 3.3				

CIE Pub.117, 879.8 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -0.4)  
Area: 0.0013 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

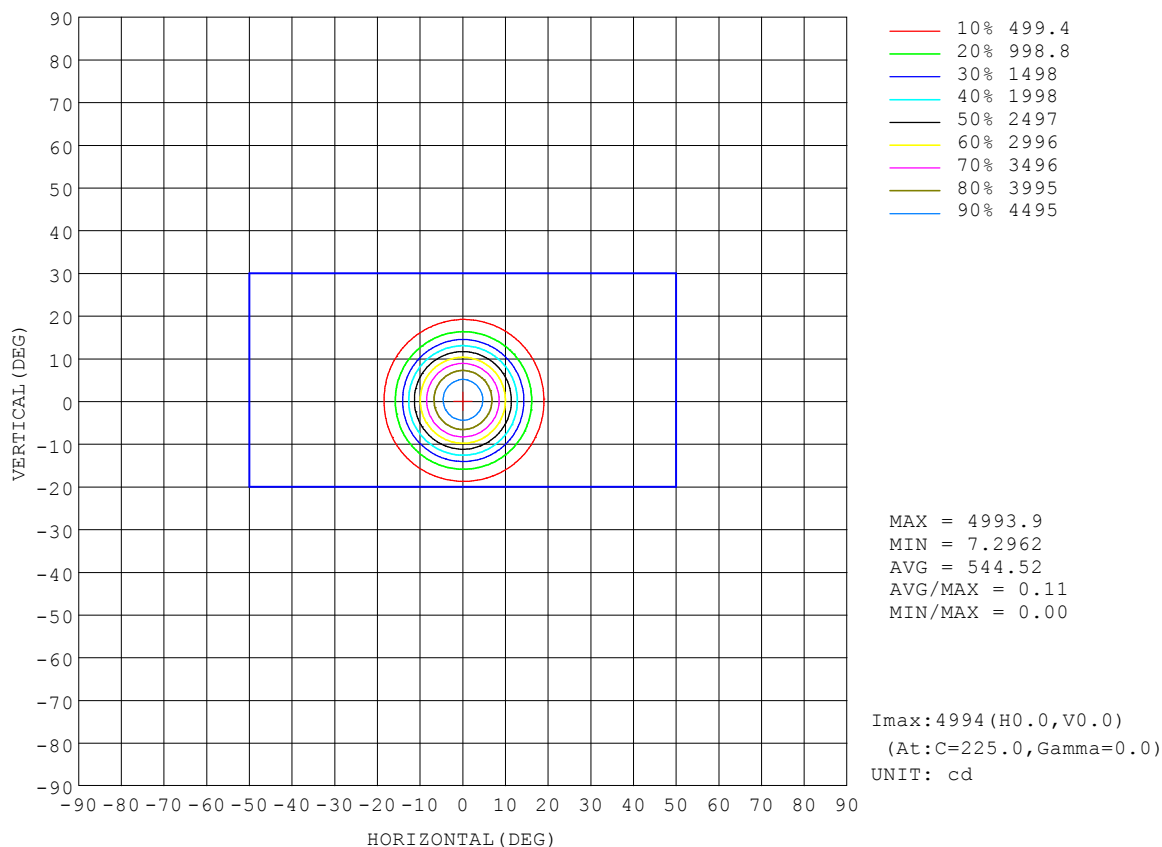
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	87
1.25	104	99	96	103	99	96	101	98	95	91
1.50	107	102	99	106	102	99	104	100	98	93
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	98
5.00	115	113	112	113	112	110	109	108	107	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: MEDIUM  
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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



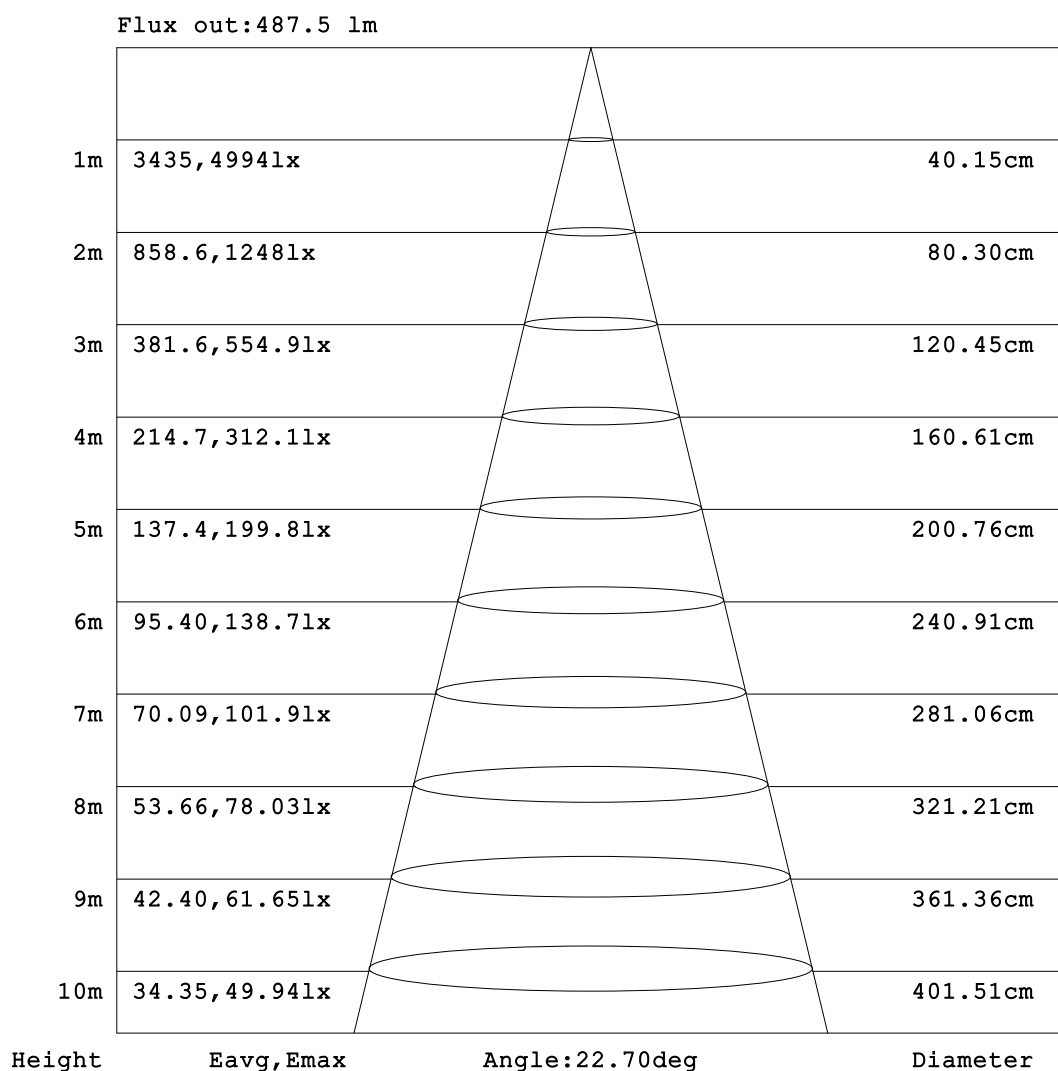
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-21

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:



AAI Figure

Test:U:240.3V I:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



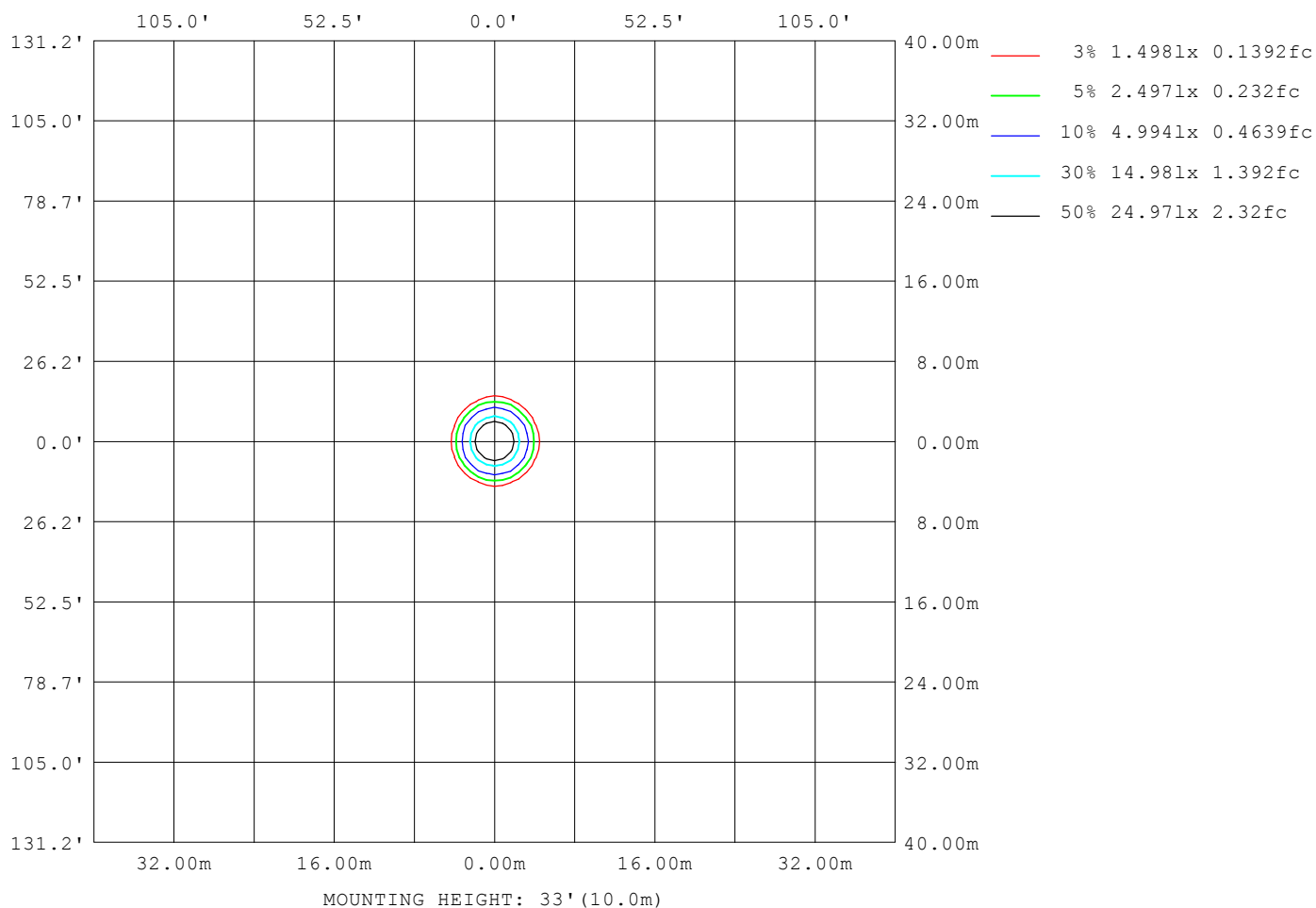
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 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:0.0412A P:9.2W PF:0.9247 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.18% KDisp:0.9404 Lamp Flux:879.825x1 lm		
NAME: MD10-09-XX-04 4000K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

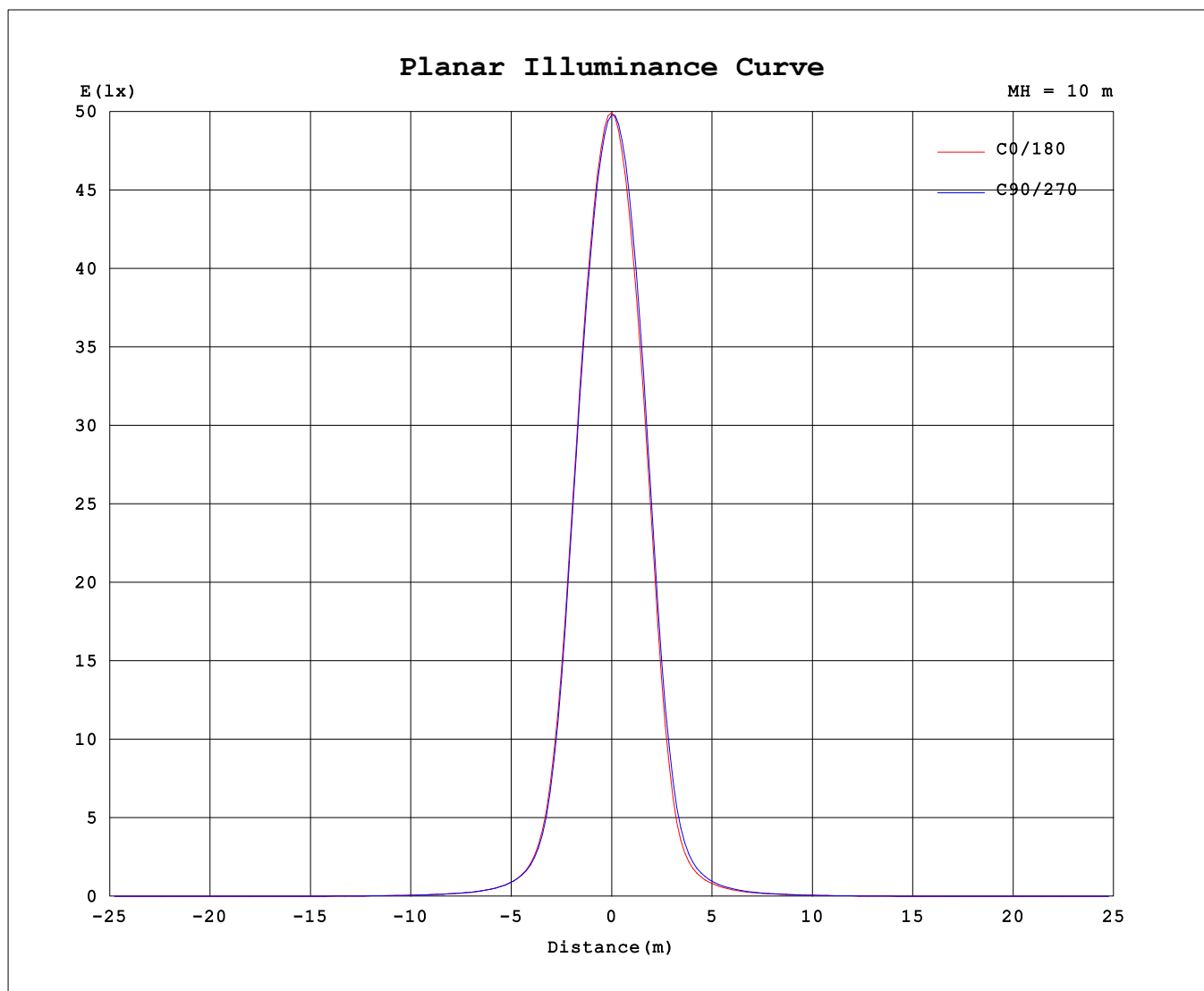
AvgL	cd/m2
L_0~180 (65) av	5098
L_0~180 (75) av	3695
L_0~180 (85) av	2121
L_90~270 (65) av	5395
L_90~270 (75) av	3917
L_90~270 (85) av	382
L_45 (65) av	5226
L_45 (75) av	3752
L_45 (85) av	236

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 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: MEDIUM  
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	4983	4983	4983	4983	4983	4983	4983	4983
3.0	4778	4745	4741	4746	4753	4800	4841	4821
6.0	4201	4148	4152	4153	4173	4249	4316	4274
9.0	3338	3278	3289	3285	3314	3410	3466	3420
12.0	2273	2218	2219	2198	2233	2320	2364	2324
15.0	1291	1249	1229	1203	1203	1264	1341	1316
18.0	636.4	614.7	595.0	567.1	548.5	596.9	660.7	650.6
21.0	319.2	313.0	303.3	287.1	271.4	295.2	334.1	329.6
24.0	184.5	185.6	181.9	172.5	163.1	175.9	196.7	191.2
27.0	118.7	121.5	120.0	113.8	108.8	117.0	128.5	123.4
30.0	82.06	84.49	84.08	79.08	76.18	82.29	89.01	85.56
33.0	59.42	61.48	60.73	57.20	55.29	59.16	63.27	61.88
36.0	45.28	46.63	45.37	43.27	41.93	44.18	46.64	46.81
39.0	35.95	36.43	35.09	33.88	32.99	34.12	35.90	36.52
42.0	28.99	28.84	27.80	26.82	26.35	26.83	28.26	28.83
45.0	23.38	23.01	22.16	21.31	21.13	21.24	22.37	22.76
48.0	18.32	18.04	17.46	16.82	16.80	16.75	17.59	17.73
51.0	13.80	13.62	13.34	12.95	12.98	12.84	13.41	13.34
54.0	9.840	9.783	9.801	9.587	9.565	9.461	9.772	9.566
57.0	6.543	6.598	6.744	6.671	6.586	6.518	6.672	6.399
60.0	4.261	4.404	4.565	4.571	4.506	4.465	4.506	4.250
63.0	3.168	3.280	3.424	3.436	3.394	3.432	3.480	3.246
66.0	2.496	2.592	2.726	2.728	2.695	2.735	2.777	2.581
69.0	1.987	2.044	2.179	2.172	2.153	2.186	2.217	2.059
72.0	1.559	1.599	1.700	1.697	1.699	1.719	1.743	1.613
75.0	1.184	1.218	1.300	1.297	1.302	1.318	1.335	1.217
78.0	0.8750	0.9082	0.9477	0.9439	0.9555	0.9800	0.9264	0.8898
81.0	0.5998	0.5789	0.5540	0.5832	0.6307	0.6012	0.5417	0.5548
84.0	0.3198	0.1788	0.0542	0.2024	0.3522	0.1965	0.0418	0.1422
87.0	0.0469	0.0215	0.0463	0.0213	0.0423	0.0189	0.0360	0.0171
90.0	0.0372	0.0202	0.0437	0.0229	0.0231	0.0241	0.0286	0.0190

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