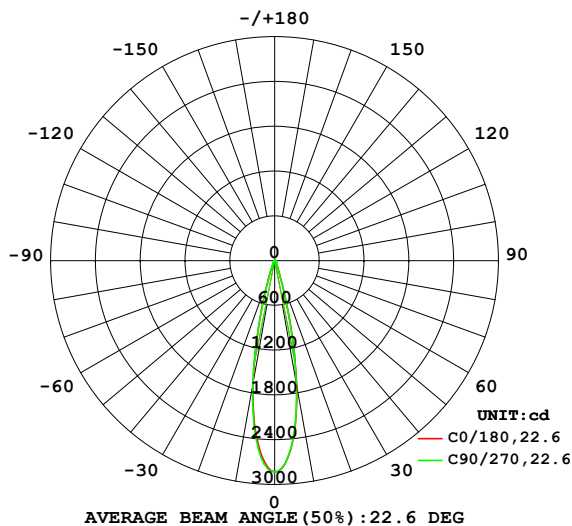


## LUMINAIRE PHOTOMETRIC TEST REPORT

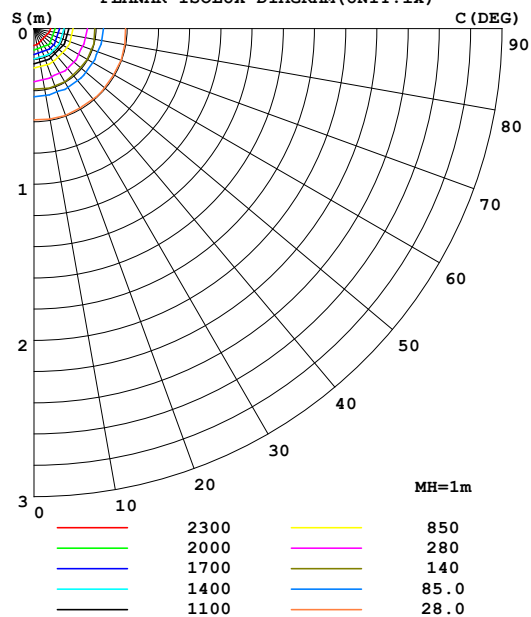
Test:U:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 88.81 lm/W
MODEL		I <sub>max</sub> (cd)	2831	S/MH (C0/180)	0.37	
NOMINAL POWER(W)	6	LOR (%)	100.0	S/MH (C90/270)	0.37	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	489.62	η UP,DN (C0-180)	0.0,50.2	
NOMINAL FLUX(lm)	489.621	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.8	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.23	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: 2023-12-20

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1710	1691	1683	1690	1678	1682	1702	1693	0- 10	213.8	213.8	43.7,43.7
20	195.6	216.5	208.4	220.7	221.8	208.6	194.7	179.8	10- 20	199.7	413.5	84.5,84.5
30	43.57	46.59	44.70	44.78	45.61	46.25	43.46	41.54	20- 30	42.62	456.2	93.2,93.2
40	16.59	17.44	18.00	18.47	18.39	17.87	17.27	16.55	30- 40	17.29	473.4	96.7,96.7
50	7.384	7.577	8.136	8.666	8.469	8.242	7.959	7.538	40- 50	9.426	482.9	98.6,98.6
60	2.231	2.239	2.368	2.560	2.523	2.492	2.521	2.342	50- 60	4.297	487.2	99.5,99.5
70	1.006	1.016	1.065	1.093	1.101	1.100	1.087	1.036	60- 70	1.597	488.8	99.8,99.8
80	0.3922	0.3707	0.3538	0.3905	0.4450	0.3976	0.3322	0.3421	70- 80	0.7357	489.5	100,100
90	0.0193	0.0093	0.0167	0.0096	0.0090	0.0074	0.0116	0.0068	80- 90	0.1230	489.6	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): 478.85 lm

%lum = 97.8%

%lamp = 97.8%

Conical surface Flux(120deg): 487.17 lm

%lum = 99.5%

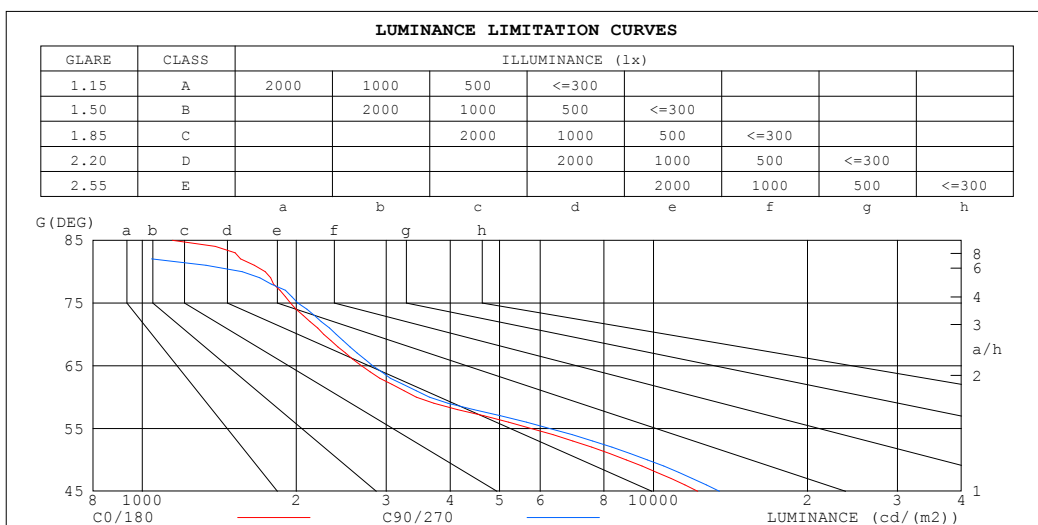
%lamp = 99.5%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-20

$\gamma$  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:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



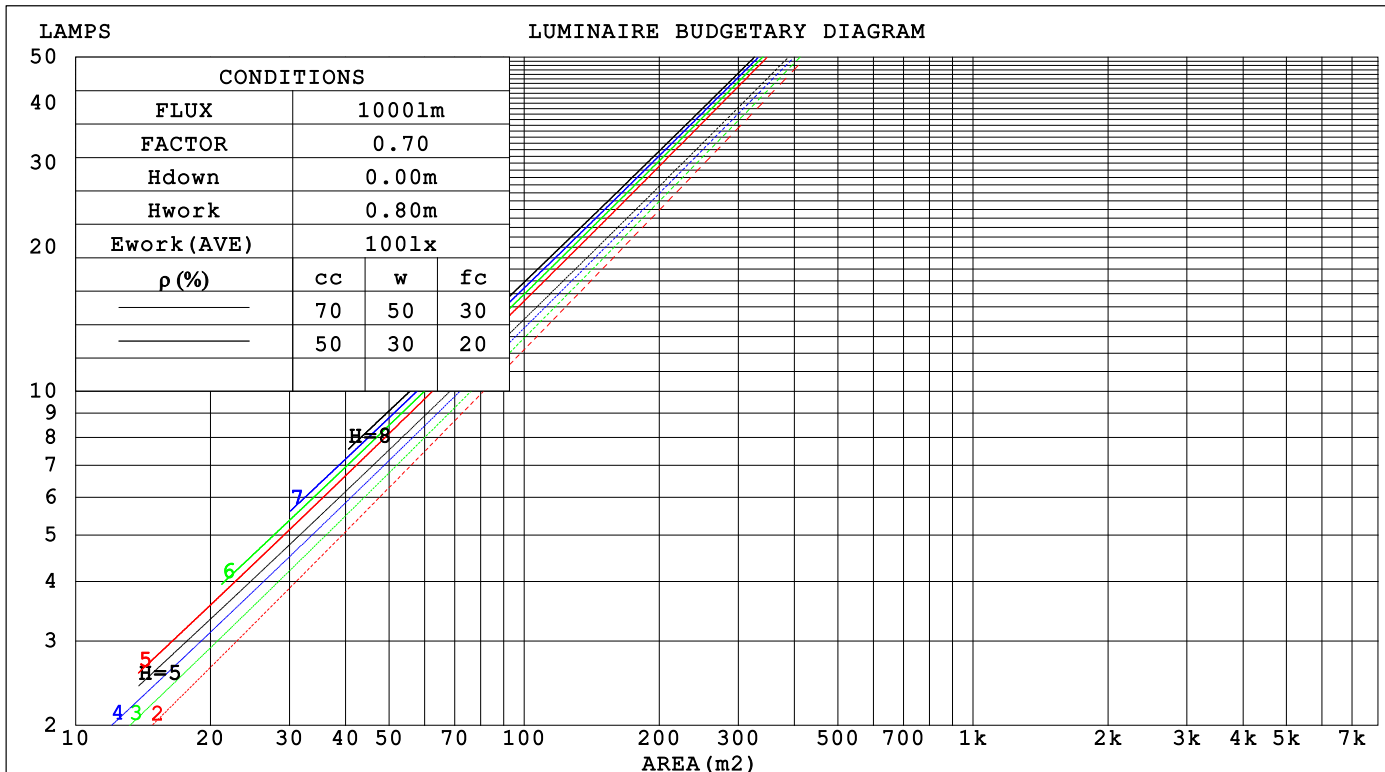
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2023-12-20

$\gamma$  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:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932		
Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K 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															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	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.02	1.01	.00	.99	.99	.97														
2.0	1.08	1.05	1.03	1.06	1.04	1.02	1.03	1.01	.99	1.00	.99	.97	.98	.96	.95	.94														
3.0	1.04	1.00	.97	1.02	.99	.97	.00	.97	.95	.98	.95	.94	.96	.94	.92	.91														
4.0	.00	.96	.93	.99	.95	.93	.97	.94	.92	.95	.93	.91	.93	.91	.90	.88														
5.0	.97	.93	.90	.96	.92	.89	.94	.91	.89	.93	.90	.88	.91	.89	.87	.86														
6.0	.94	.90	.87	.93	.89	.86	.92	.88	.86	.90	.88	.85	.89	.87	.85	.84														
7.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82														
8.0	.88	.85	.82	.88	.84	.82	.87	.84	.81	.86	.83	.81	.85	.83	.81	.80														
9.0	.86	.82	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.84	.81	.79	.78														
10.0	.84	.80	.78	.84	.80	.78	.83	.80	.78	.83	.80	.77	.82	.79	.77	.76														



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

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:

### WEC AND CCEC

Test:U:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz			UTHDi:0.16% ITHDi:24.83% KDisp:0.8932			Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K 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	.133	.076	.024	.127	.072	.023	.115	.066	.021	.103	.059	.019	.093	.054	.017		
2.0	.123	.068	.021	.118	.065	.020	.108	.060	.019	.098	.055	.017	.090	.051	.016		
3.0	.114	.061	.018	.110	.059	.018	.101	.055	.017	.094	.051	.016	.086	.048	.015		
4.0	.107	.055	.016	.103	.054	.016	.096	.051	.015	.089	.048	.014	.083	.045	.014		
5.0	.100	.051	.015	.097	.050	.014	.091	.047	.014	.085	.045	.013	.080	.043	.013		
6.0	.094	.047	.014	.092	.046	.013	.086	.044	.013	.082	.042	.012	.077	.041	.012		
7.0	.089	.044	.012	.087	.043	.012	.082	.042	.012	.078	.040	.012	.074	.039	.011		
8.0	.085	.041	.012	.083	.041	.011	.079	.039	.011	.075	.038	.011	.071	.037	.011		
9.0	.081	.039	.011	.079	.038	.011	.075	.037	.011	.072	.036	.010	.069	.035	.010		
10.0	.077	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.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	.059	.046	.040	.035	.015	.013	.011	
4.0	.122	.098	.080	.104	.085	.069	.072	.059	.049	.042	.035	.029	.013	.011	.009	
5.0	.111	.085	.067	.095	.074	.058	.066	.052	.041	.038	.030	.024	.012	.010	.008	
6.0	.102	.075	.056	.088	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007	
7.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.032	.024	.018	.010	.008	.006	
8.0	.087	.060	.042	.075	.052	.036	.052	.037	.026	.030	.022	.015	.010	.007	.005	
9.0	.081	.054	.036	.070	.047	.032	.049	.033	.022	.028	.020	.013	.009	.006	.004	
10.0	.076	.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:2023-12-20

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:

### UGR(Unified Glare Rating) Table

Test:U:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm										
NAME: MD10-06-XX-04 2700K 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	11.2	11.8	11.4	11.9	12.1	11.5	12.1	11.6	12.2	12.4
3H	11.3	11.8	11.5	12.0	12.2	11.5	12.1	11.8	12.3	12.5
4H	11.3	11.8	11.5	12.0	12.2	11.5	12.1	11.8	12.3	12.5
6H	11.3	11.8	11.6	12.0	12.3	11.5	12.1	11.8	12.3	12.5
8H	11.3	11.8	11.6	12.0	12.3	11.5	12.0	11.8	12.3	12.5
12H	11.2	11.7	11.5	12.0	12.3	11.5	12.0	11.8	12.2	12.5
4H 2H	11.1	11.7	11.4	11.9	12.1	11.4	11.9	11.6	12.2	12.4
3H	11.3	11.8	11.6	12.0	12.3	11.5	12.0	11.8	12.3	12.5
4H	11.3	11.8	11.7	12.1	12.4	11.6	12.0	11.9	12.3	12.6
6H	11.4	11.8	11.7	12.1	12.4	11.6	12.0	12.0	12.3	12.7
8H	11.3	11.7	11.7	12.1	12.4	11.6	11.9	11.9	12.3	12.6
12H	11.3	11.7	11.7	12.0	12.4	11.5	11.8	11.9	12.2	12.6
8H 4H	11.3	11.6	11.6	12.0	12.3	11.5	11.9	11.9	12.2	12.6
6H	11.3	11.6	11.7	12.0	12.4	11.5	11.8	12.0	12.2	12.6
8H	11.3	11.6	11.8	12.0	12.4	11.5	11.8	11.9	12.2	12.6
12H	11.3	11.5	11.8	12.0	12.4	11.4	11.7	11.9	12.1	12.6
12H 4H	11.2	11.5	11.6	11.9	12.3	11.4	11.8	11.8	12.2	12.5
6H	11.3	11.5	11.7	12.0	12.4	11.5	11.8	11.9	12.2	12.6
8H	11.3	11.5	11.7	12.0	12.4	11.5	11.7	11.9	12.1	12.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.6 / - 2.7					+ 1.6 / - 2.7				
1.5H	+ 1.9 / - 2.1					+ 2.0 / - 2.2				
2.0H	+ 3.2 / - 3.0					+ 3.5 / - 3.4				

CIE Pub.117, 489.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.5)  
Area: 0.0013 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

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:

### UTILIZATION FACTORS TABLE

Test:U:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

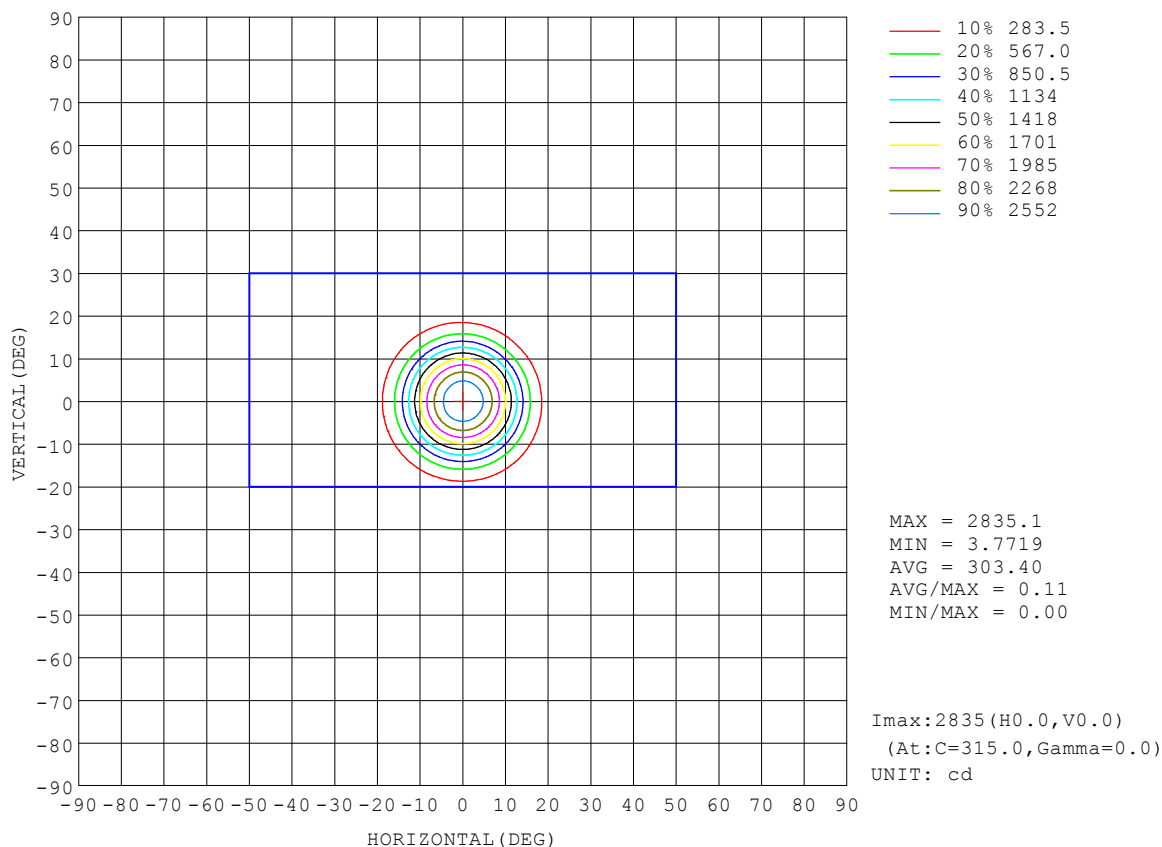
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	80	89	83	80	88	83	80	76
0.80	97	91	88	96	91	88	95	90	87	84
1.00	101	95	92	100	95	92	98	95	91	88
1.25	104	100	96	103	99	96	101	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	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:2023-12-20

$\gamma$  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:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



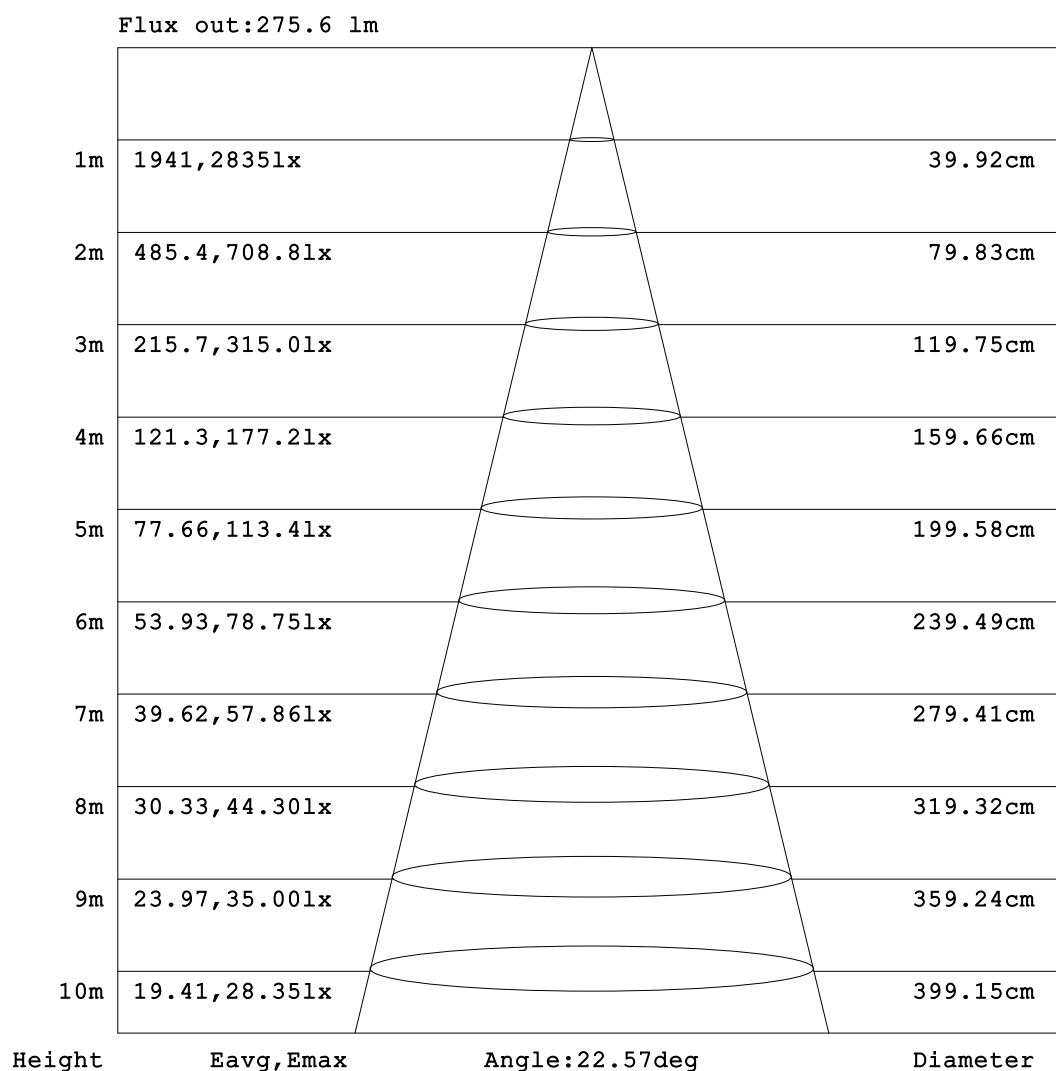
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2023-12-20

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:



AAI Figure

Test:U:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:



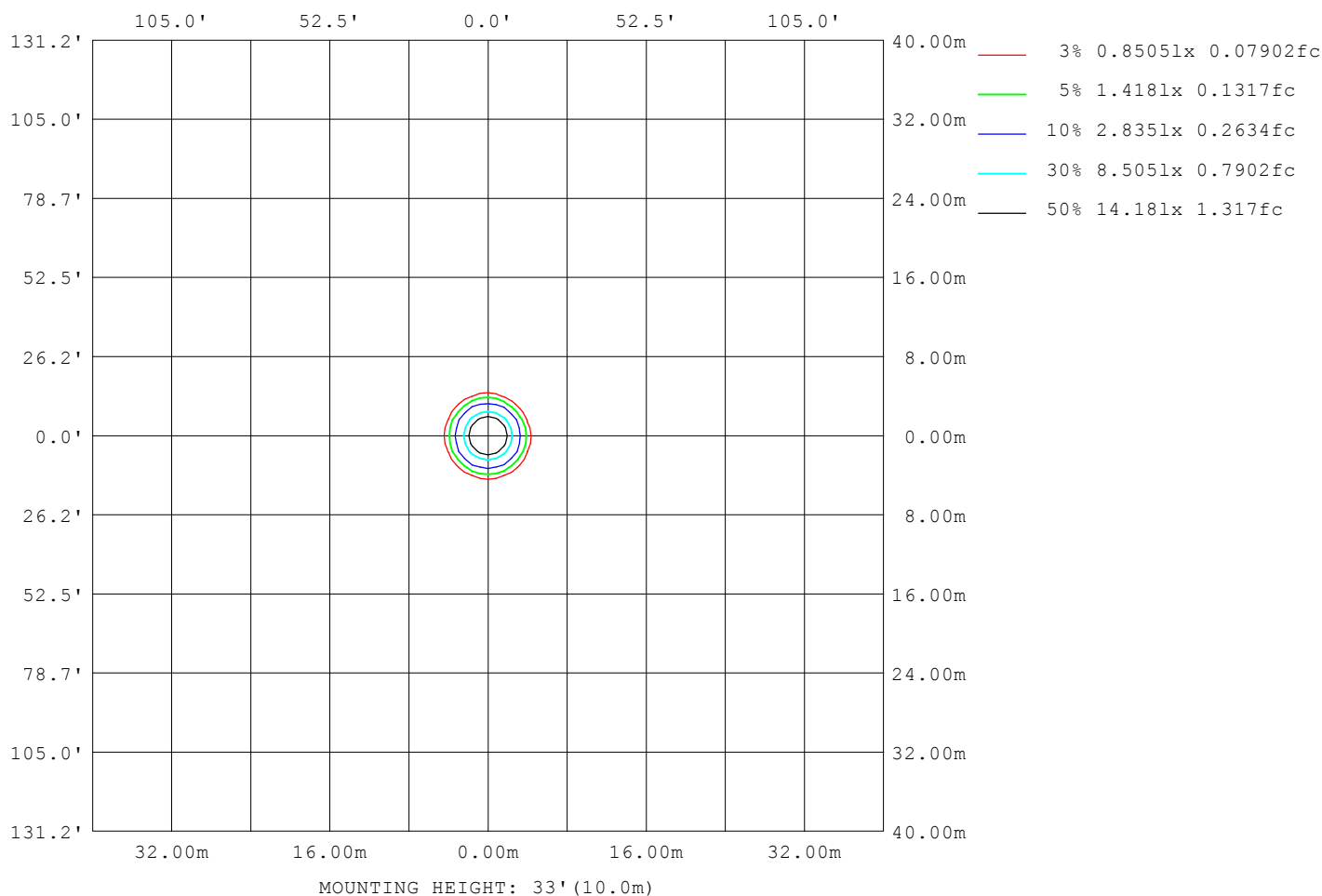
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-20

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:

ISOLUX DIAGRAM

Test:U:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz		
UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K 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: 2023-12-20

$\gamma$  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:240.3V I:0.0265A P:5.5W PF:0.8661 Freq:49.99Hz UTHDi:0.16% ITHDi:24.83% KDisp:0.8932 Lamp Flux:489.62lx1 lm		
NAME: MD10-06-XX-04 2700K RA90 24D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 41mm	Shielding Angle:

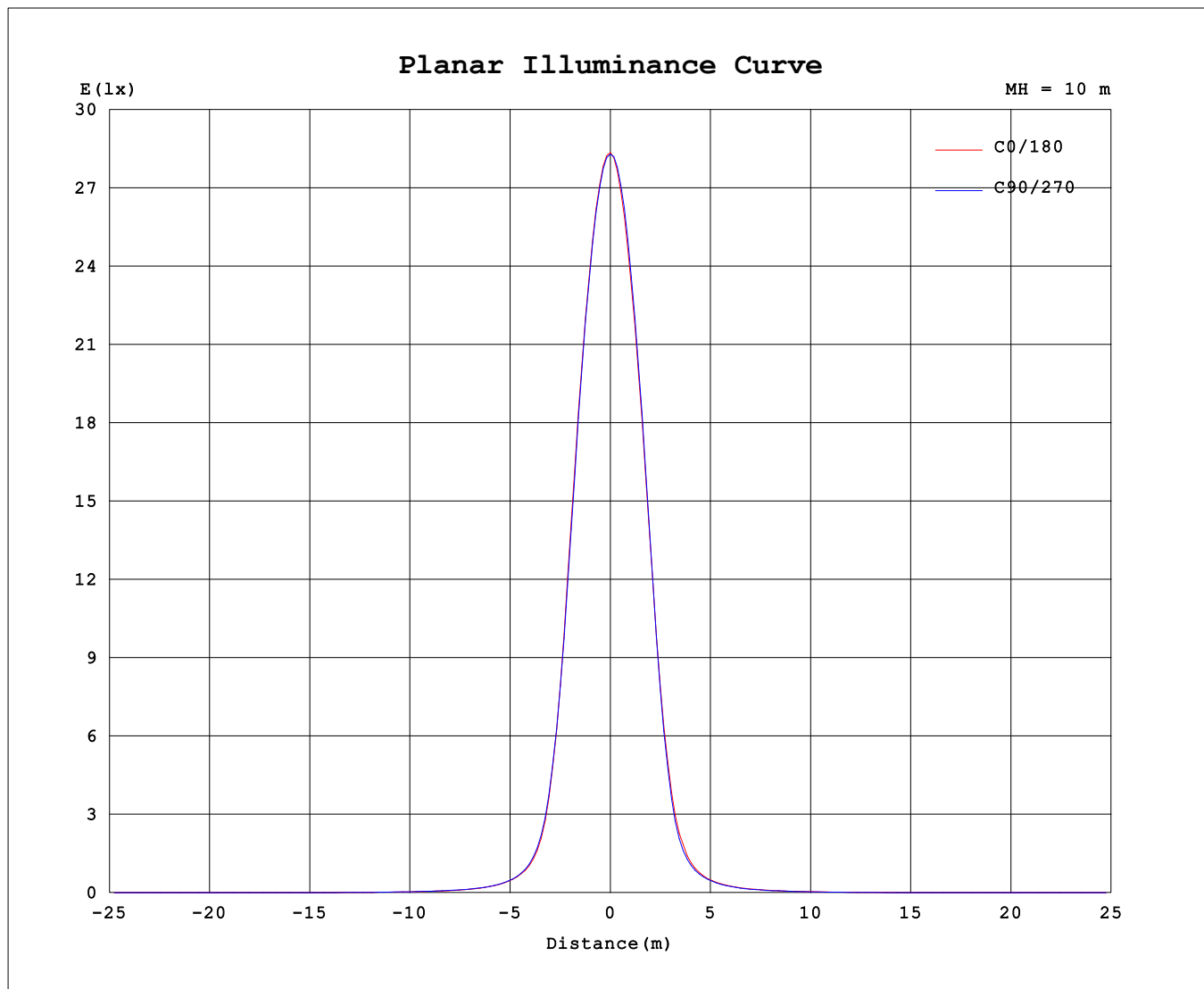
AvgL	cd/m2
L_0~180 (65) av	2810
L_0~180 (75) av	2048
L_0~180 (85) av	1298
L_90~270 (65) av	2879
L_90~270 (75) av	2057
L_90~270 (85) av	160
L_45 (65) av	2836
L_45 (75) av	2017
L_45 (85) av	100

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2023-12-20

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: MEDIUM  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2023-12-20

$\gamma$  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	2831	2831	2831	2831	2831	2831	2831	2831
3.0	2723	2716	2717	2715	2699	2709	2726	2722
6.0	2397	2390	2389	2388	2364	2369	2402	2394
9.0	1908	1894	1890	1893	1875	1878	1904	1895
12.0	1284	1271	1259	1268	1265	1263	1271	1254
15.0	691.9	698.1	697.8	704.9	707.6	696.4	687.0	663.7
18.0	320.4	335.6	336.3	342.0	344.4	335.8	317.0	295.9
21.0	158.3	170.4	168.5	173.1	173.6	168.9	158.2	146.0
24.0	95.62	101.0	98.43	100.8	101.4	100.3	94.50	88.20
27.0	62.38	66.61	64.51	65.13	65.65	66.39	62.48	59.26
30.0	43.57	46.59	44.70	44.78	45.61	46.25	43.46	41.54
33.0	31.28	33.51	32.44	32.37	33.27	33.40	31.26	30.05
36.0	23.30	24.78	24.63	24.74	25.26	24.99	23.64	22.75
39.0	17.98	19.07	19.41	19.79	19.86	19.35	18.64	17.86
42.0	14.18	14.77	15.50	16.10	15.85	15.35	14.89	14.20
45.0	11.20	11.62	12.37	13.07	12.75	12.31	11.92	11.30
48.0	8.813	9.075	9.753	10.35	10.09	9.778	9.442	8.971
51.0	6.701	6.872	7.368	7.864	7.710	7.513	7.271	6.862
54.0	4.851	4.944	5.300	5.708	5.603	5.490	5.375	5.017
57.0	3.292	3.312	3.555	3.877	3.801	3.747	3.744	3.440
60.0	2.231	2.239	2.368	2.560	2.523	2.492	2.521	2.342
63.0	1.718	1.727	1.804	1.914	1.881	1.868	1.886	1.769
66.0	1.363	1.375	1.443	1.506	1.497	1.486	1.486	1.406
69.0	1.087	1.097	1.151	1.186	1.190	1.184	1.176	1.118
72.0	0.8543	0.8604	0.8992	0.9180	0.9355	0.9313	0.9199	0.8766
75.0	0.6545	0.6470	0.6777	0.7023	0.7235	0.7081	0.7067	0.6570
78.0	0.4876	0.4787	0.4832	0.5216	0.5537	0.5232	0.4663	0.4711
81.0	0.3361	0.3088	0.2712	0.3228	0.3844	0.3272	0.2611	0.2737
84.0	0.1886	0.0809	0.0220	0.1037	0.2223	0.0958	0.0202	0.0771
87.0	0.0257	0.0087	0.0196	0.0084	0.0212	0.0084	0.0145	0.0071
90.0	0.0193	0.0093	0.0167	0.0096	0.0090	0.0074	0.0116	0.0068

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