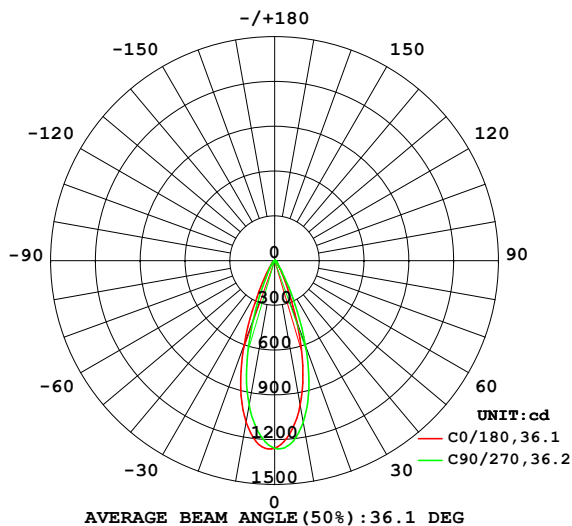


## LUMINAIRE PHOTOMETRIC TEST REPORT

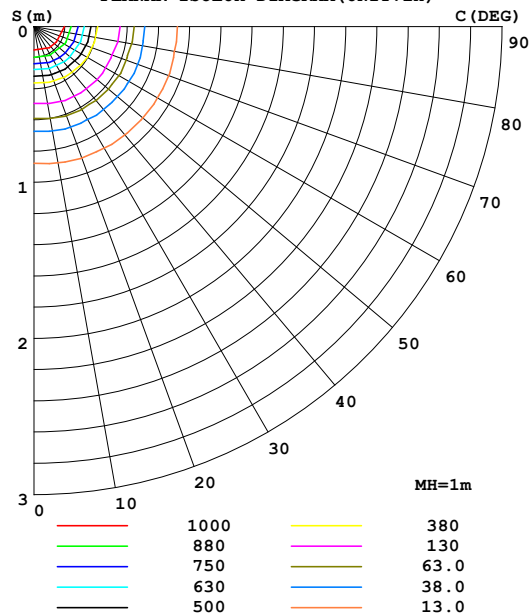
Test:U:240.3V I:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932 Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.01 lm/W
MODEL		I <sub>max</sub> (cd)	1267	S/MH(C0/180)	0.61	
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.53	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	522.99	η UP,DN(C0-180)	0.0,52.6	
NOMINAL FLUX(lm)	522.988	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,47.4	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.27	η down(%)	100.0	CIBSE SHR MAX	0.60	

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:2024-03-16

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	985.9	1049	1101	1118	1100	1049	986.6	958.4	0- 10	109.5	109.5	20.9,20.9
20	433.0	527.8	606.9	631.3	600.4	512.0	416.5	385.3	10- 20	217.6	327.1	62.5,62.5
30	101.1	129.3	149.1	157.4	143.2	114.2	87.16	81.98	20- 30	124.6	451.7	86.4,86.4
40	33.82	39.91	41.35	43.23	42.74	38.45	30.69	28.45	30- 40	41.51	493.2	94.3,94.3
50	11.86	13.95	15.43	16.59	16.06	14.36	11.34	10.52	40- 50	18.26	511.5	97.8,97.8
60	3.816	4.399	5.291	5.527	4.965	4.300	3.709	3.540	50- 60	7.323	518.8	99.2,99.2
70	1.340	1.514	1.889	1.984	1.713	1.518	1.256	1.214	60- 70	2.766	521.6	99.7,99.7
80	0.6994	0.7319	0.7852	0.8010	0.7087	0.6329	0.5960	0.6202	70- 80	1.086	522.6	99.9,99.9
90	0.0122	0.0080	0.0135	0.0055	0.0067	0.0051	0.0093	0.0080	80- 90	0.3418	523.0	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): 504.17 lm

%lum = 96.4%

%lamp = 96.4%

Conical surface Flux(120deg): 518.79 lm

%lum = 99.2%

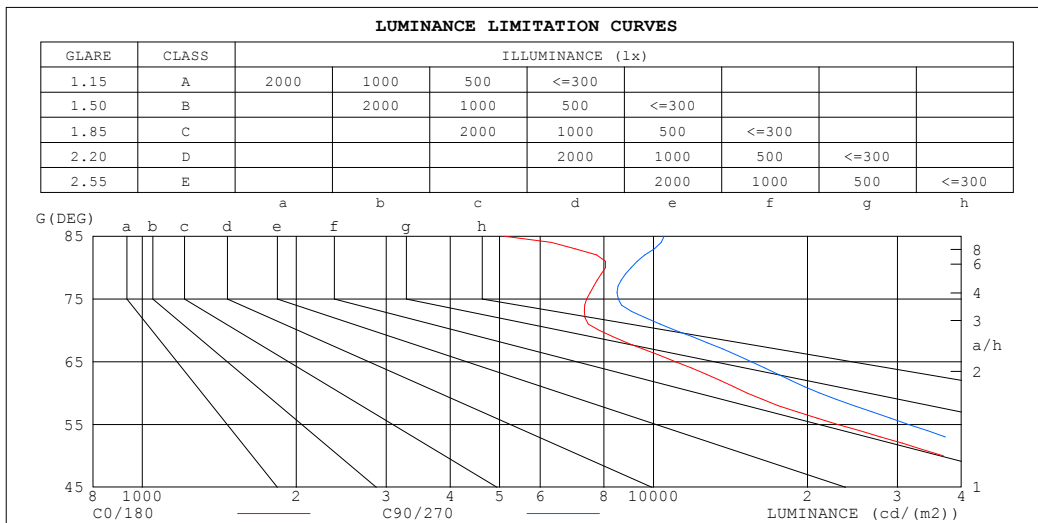
%lamp = 99.2%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-03-16

$\gamma$  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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932 Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5111	10479
80	8056	9038
75	7394	8527
70	7839	11041
65	11045	15535
60	15266	21150
55	22940	31562
50	36917	47978
45	57947	72054

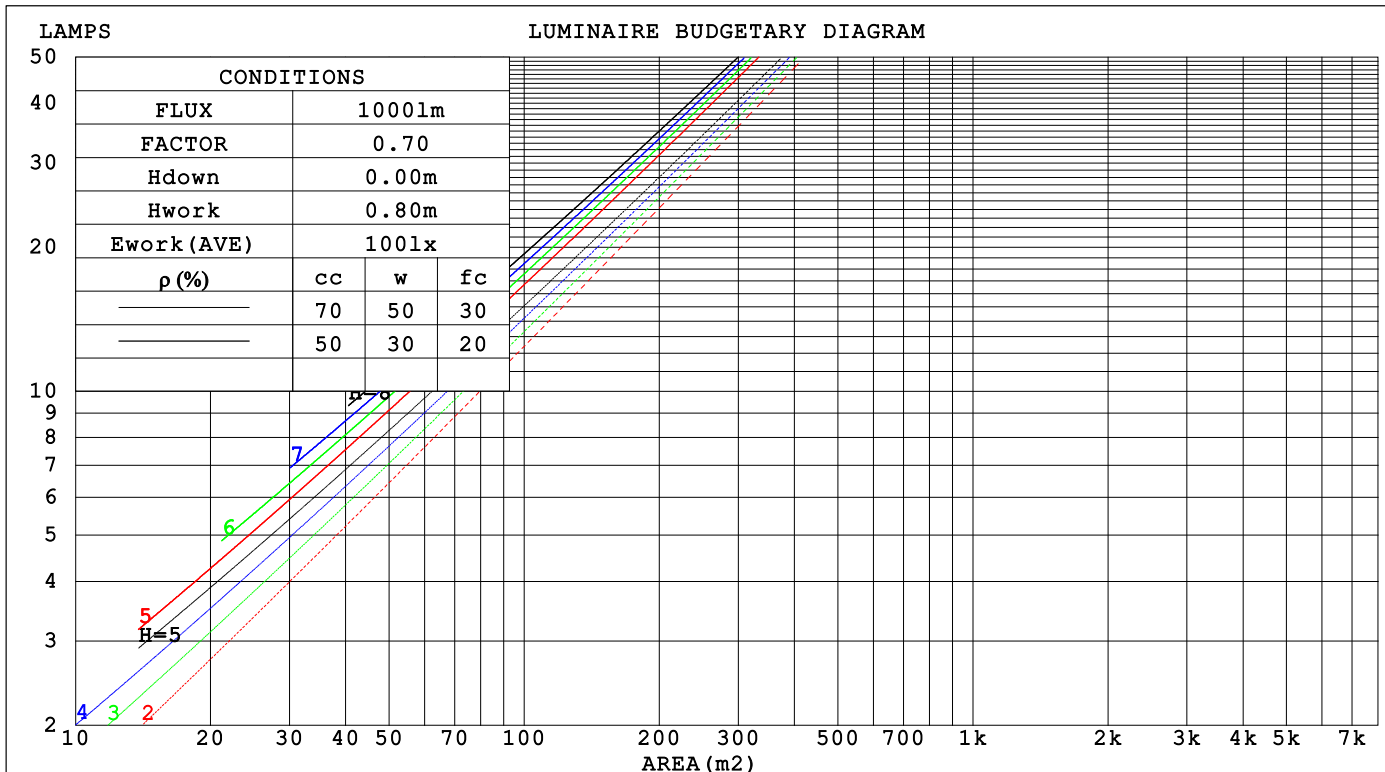
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-03-16

$\gamma$  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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932		
Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95														
2.0	1.05	1.02	.99	1.04	1.00	.98	1.00	.98	.96	.97	.95	.94	.95	.93	.92	.90														
3.0	.00	.95	.92	.98	.94	.91	.96	.92	.90	.93	.91	.88	.91	.89	.87	.86														
4.0	.94	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.88	.85	.83	.81														
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.86	.82	.79	.84	.81	.79	.78														
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.79	.76	.81	.78	.75	.74														
7.0	.82	.77	.73	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.71														
8.0	.78	.73	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.72	.69	.68														
9.0	.75	.70	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.72	.69	.66	.65														
10.0	.72	.67	.64	.72	.67	.64	.71	.67	.64	.70	.67	.64	.70	.66	.64	.63														



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz			UTHDi:0.18% ITHDi:24.90% KDisp:0.8932			Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming Lighting			SUR.: 26mm			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	.159	.090	.029	.152	.087	.028	.139	.080	.026	.128	.074	.024	.117	.068	.022		
2.0	.149	.082	.025	.144	.079	.024	.133	.074	.023	.124	.069	.022	.115	.065	.020		
3.0	.141	.075	.022	.136	.073	.022	.127	.069	.021	.119	.065	.020	.112	.062	.019		
4.0	.133	.069	.020	.129	.067	.020	.121	.064	.019	.114	.061	.019	.108	.059	.018		
5.0	.126	.064	.019	.123	.063	.018	.116	.060	.018	.110	.058	.017	.104	.056	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.101	.053	.016		
7.0	.114	.056	.016	.111	.055	.016	.106	.054	.016	.102	.052	.015	.097	.051	.015		
8.0	.109	.053	.015	.107	.052	.015	.102	.051	.015	.098	.050	.014	.094	.048	.014		
9.0	.104	.050	.014	.102	.050	.014	.098	.049	.014	.095	.047	.014	.091	.046	.013		
10.0	.100	.048	.013	.098	.047	.013	.095	.046	.013	.091	.045	.013	.088	.044	.013		

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	.157	.146	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016		
2.0	.153	.133	.115	.131	.114	.100	.090	.079	.069	.052	.046	.041	.017	.015	.013		
3.0	.140	.113	.093	.120	.098	.080	.082	.068	.056	.047	.040	.033	.015	.013	.011		
4.0	.128	.098	.076	.110	.085	.066	.076	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.119	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008		
6.0	.110	.077	.053	.095	.067	.046	.065	.047	.032	.038	.027	.019	.012	.009	.006		
7.0	.103	.069	.045	.089	.060	.039	.061	.042	.028	.036	.025	.016	.012	.008	.005		
8.0	.097	.062	.038	.084	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005		
9.0	.092	.057	.033	.079	.049	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004		
10.0	.087	.052	.029	.075	.046	.026	.052	.032	.018	.030	.019	.011	.010	.006	.004		

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz UTHDi:0.18% ITHDi:24.90% KDisp:0.8932Lamp Flux:522.988x1 lm										
NAME: MD10-06-XX-16 4000K RA90 30D						TYPE:		WEIGHT:		
SPEC.:						DIM.:		SERIAL No.:		
MFR.: Norming Lighting						SUR.: 26mm		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	19.2	20.0	19.4	20.1	20.3	20.3	21.1	20.5	21.2	21.4
3H	19.1	19.9	19.4	20.1	20.3	20.3	21.0	20.5	21.2	21.4
4H	19.1	19.8	19.4	20.0	20.2	20.2	20.9	20.5	21.1	21.4
6H	19.1	19.7	19.4	20.0	20.2	20.2	20.9	20.5	21.1	21.3
8H	19.1	19.7	19.4	19.9	20.2	20.2	20.8	20.5	21.1	21.3
12H	19.0	19.6	19.3	19.9	20.2	20.2	20.8	20.5	21.0	21.3
4H 2H	19.1	19.8	19.4	20.0	20.2	20.1	20.8	20.4	21.1	21.3
3H	19.1	19.7	19.4	19.9	20.2	20.1	20.8	20.5	21.0	21.3
4H	19.1	19.6	19.4	19.9	20.2	20.1	20.7	20.5	21.0	21.3
6H	19.1	19.5	19.4	19.9	20.2	20.1	20.6	20.5	20.9	21.3
8H	19.1	19.5	19.4	19.9	20.2	20.1	20.6	20.5	20.9	21.3
12H	19.0	19.4	19.4	19.8	20.2	20.1	20.5	20.5	20.9	21.3
8H 4H	19.0	19.4	19.3	19.8	20.1	20.0	20.5	20.4	20.8	21.2
6H	19.0	19.4	19.4	19.8	20.2	20.0	20.4	20.5	20.8	21.2
8H	19.0	19.4	19.5	19.8	20.2	20.1	20.4	20.5	20.8	21.2
12H	19.0	19.3	19.5	19.7	20.2	20.1	20.4	20.5	20.8	21.3
12H 4H	18.9	19.3	19.3	19.7	20.1	20.0	20.4	20.4	20.8	21.1
6H	19.0	19.3	19.4	19.7	20.2	20.0	20.3	20.4	20.7	21.2
8H	19.0	19.3	19.5	19.7	20.2	20.0	20.3	20.5	20.8	21.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.9 / - 3.8					+ 2.1 / - 3.4				
1.5H	+ 2.6 / - 2.9					+ 3.2 / - 3.1				
2.0H	+ 3.6 / - 2.9					+ 3.8 / - 3.2				

CIE Pub.117, 523.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.3)  
Area: 0.0005 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932 Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

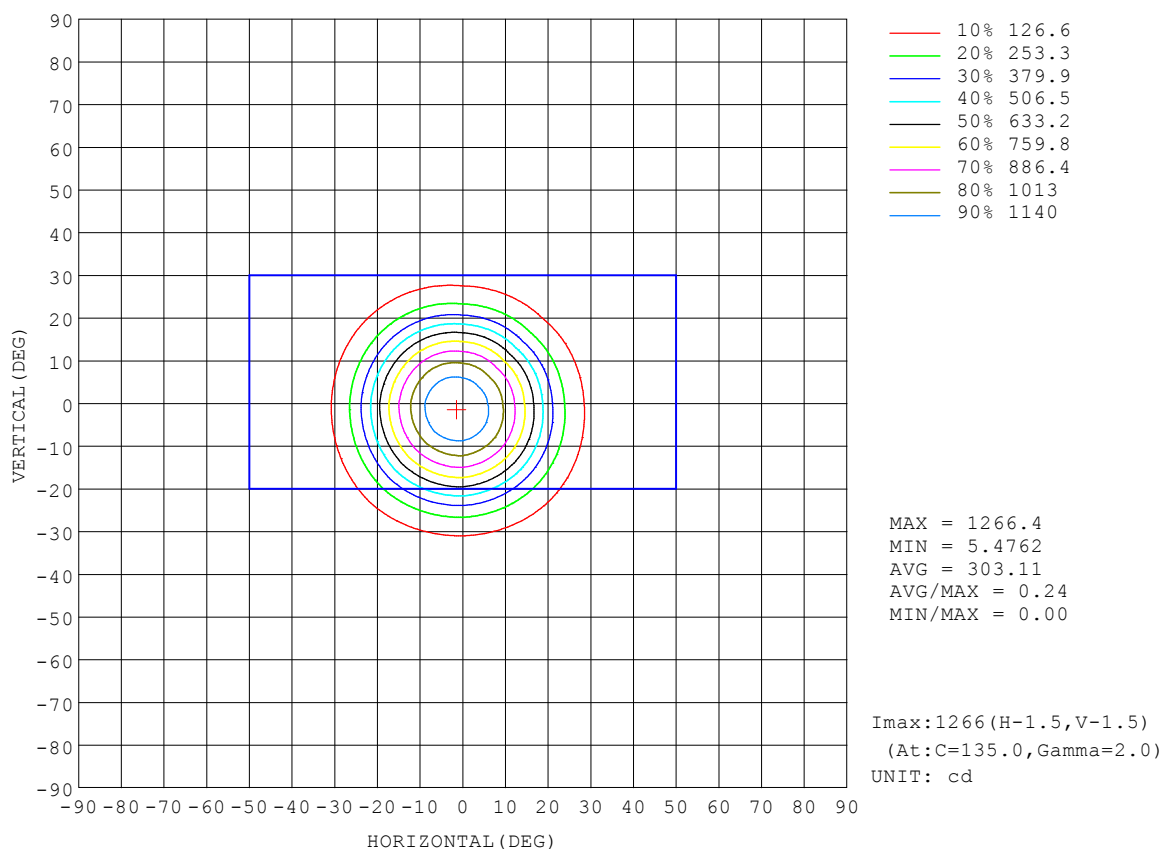
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	87	82	78	87	81	78	74
0.80	95	90	86	95	89	86	93	89	85	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	98	95	103	98	95	101	97	94	90
1.50	106	102	98	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	105	102	99	94
2.50	110	107	104	109	105	103	106	103	101	95
3.00	112	109	106	110	107	105	107	105	103	96
4.00	114	111	109	112	110	108	108	106	105	98
5.00	115	113	111	113	111	110	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: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

$\gamma$  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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932 Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



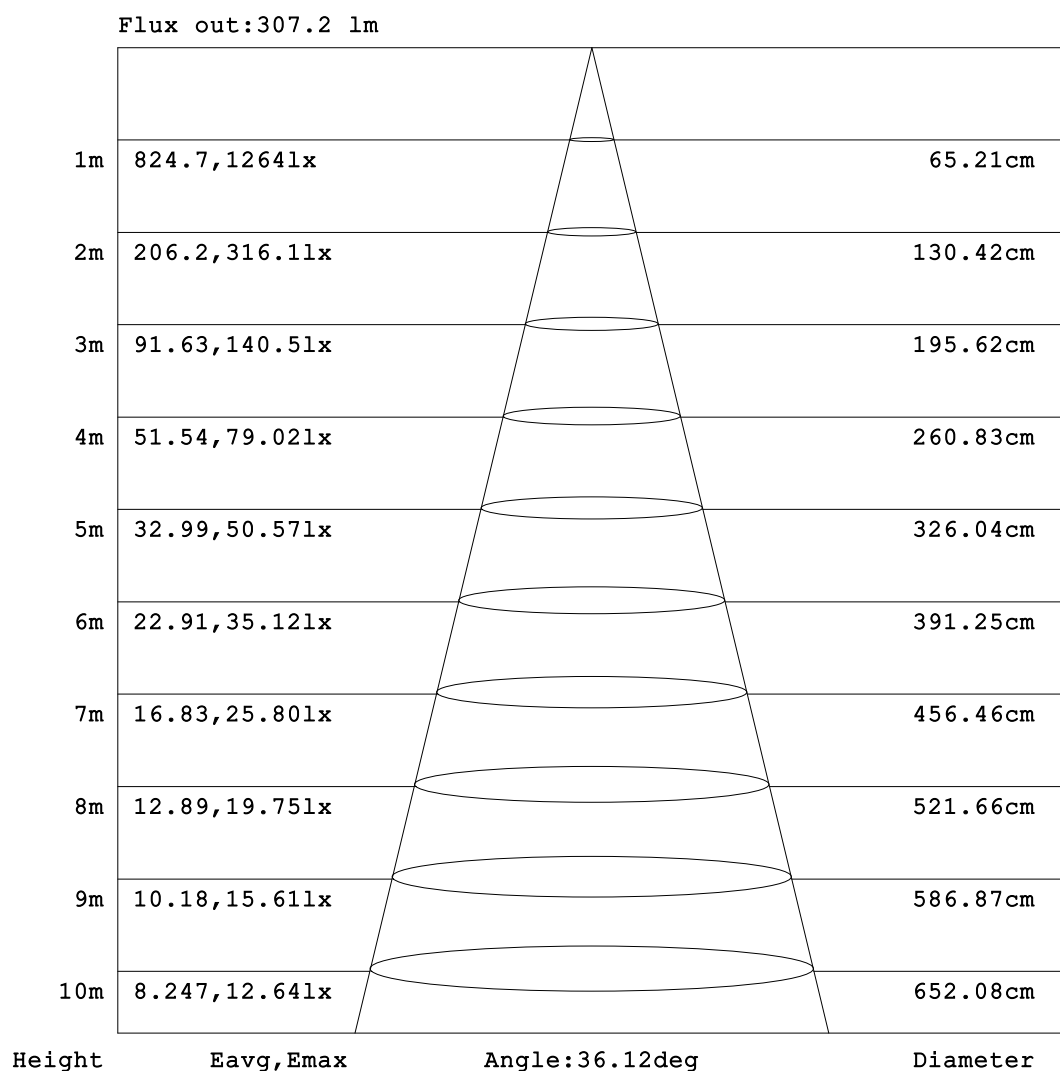
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

$\gamma$  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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932		Lamp Flux:522.988x1 lm
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



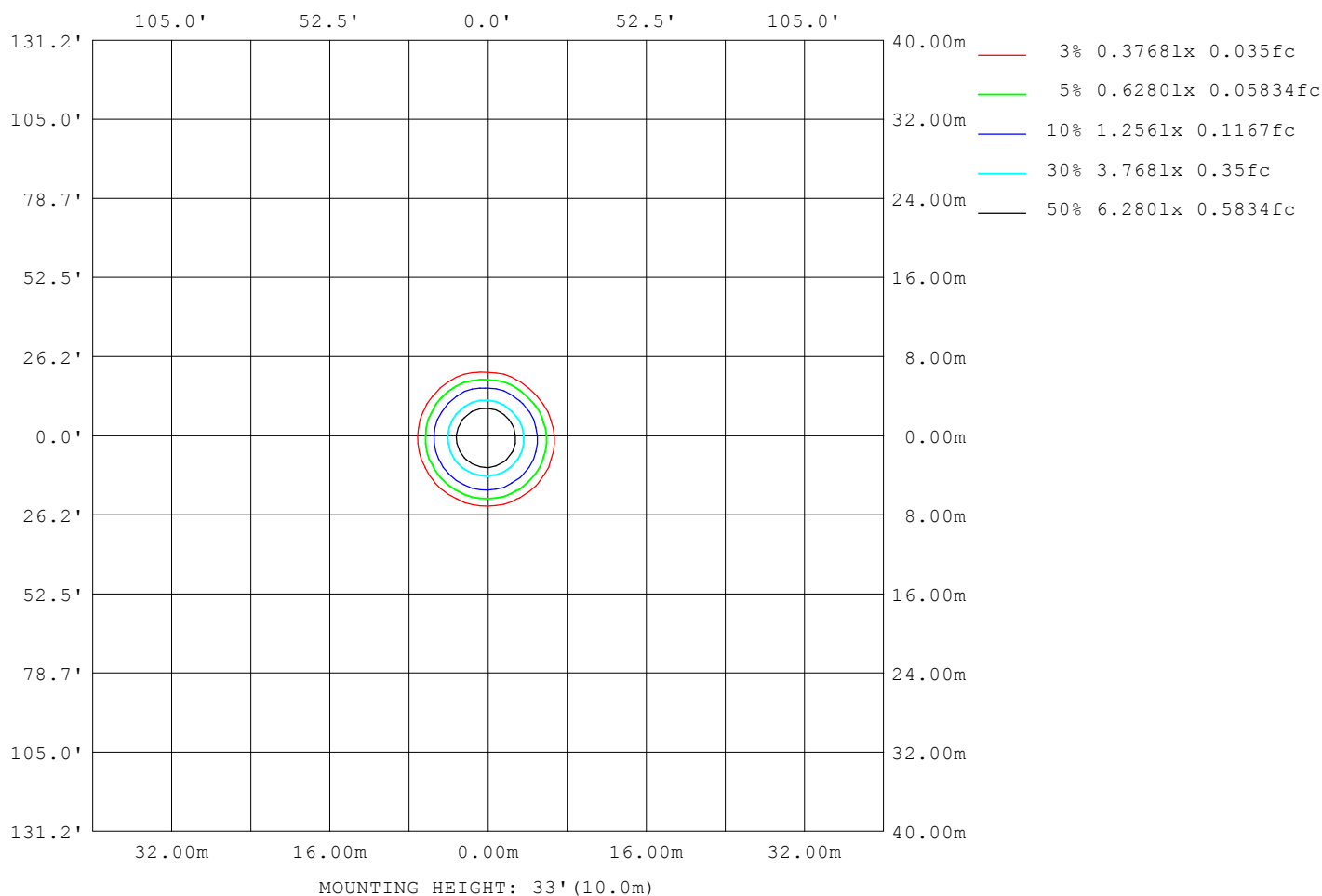
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932		Lamp Flux:522.988x1 lm
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-03-16

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:0.0264A P:5.5W PF:0.8663 Freq:49.99Hz		
UTHDi:0.18% ITHDi:24.90% KDisp:0.8932 Lamp Flux:522.988x1 lm		
NAME: MD10-06-XX-16 4000K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

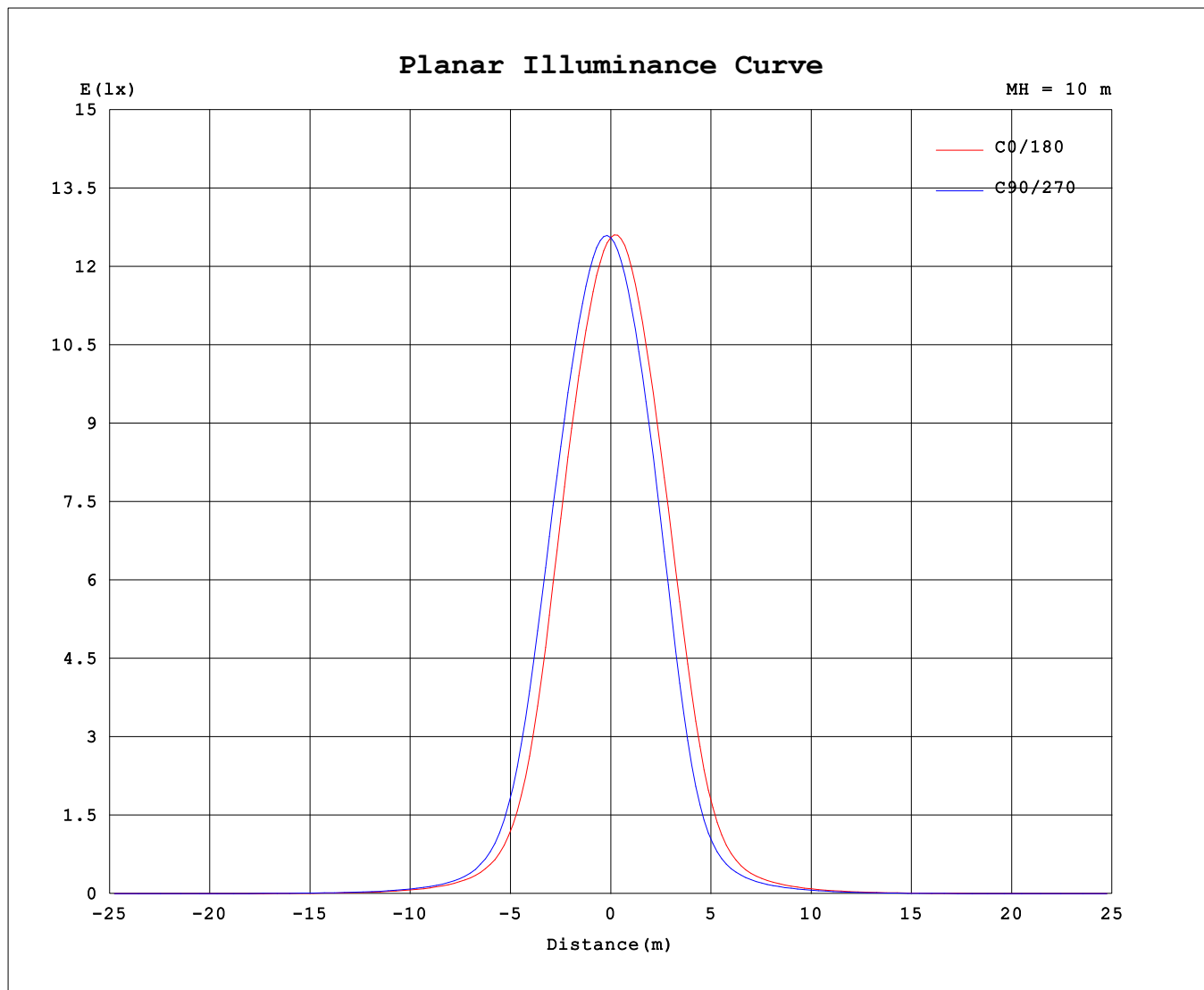
AvgL	cd/m2
L_0~180 (65) av	12620
L_0~180 (75) av	7549
L_0~180 (85) av	7357
L_90~270 (65) av	13069
L_90~270 (75) av	7597
L_90~270 (85) av	6934
L_45 (65) av	12891
L_45 (75) av	7638
L_45 (85) av	6627

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

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: 2024-03-16

$\gamma$  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	1256	1256	1256	1256	1256	1256	1256	1256
3.0	1213	1233	1255	1265	1258	1237	1217	1204
6.0	1135	1175	1214	1229	1216	1180	1138	1118
9.0	1028	1085	1134	1151	1134	1087	1029	1003
12.0	892.7	966.8	1025	1040	1022	961.9	892.7	860.0
15.0	728.8	819.3	887.9	905.1	883.0	810.0	727.0	688.4
18.0	548.2	647.4	725.3	747.2	719.1	634.5	539.3	501.4
21.0	380.0	470.2	546.9	572.3	540.1	452.4	360.3	333.1
24.0	247.5	316.1	376.8	399.6	369.0	294.4	223.4	207.9
27.0	156.7	203.0	241.0	256.3	232.9	181.9	136.2	127.4
30.0	101.1	129.3	149.1	157.4	143.2	114.2	87.16	81.98
33.0	69.42	85.72	95.68	98.46	91.71	77.39	60.39	56.41
36.0	50.06	60.11	63.76	66.06	63.73	56.03	44.41	41.33
39.0	37.25	44.06	45.76	47.68	47.03	42.12	33.64	31.17
42.0	27.76	32.68	34.01	35.76	35.46	31.99	25.53	23.63
45.0	20.49	24.13	25.49	27.04	26.69	24.05	19.20	17.71
48.0	14.85	17.46	18.96	20.26	19.81	17.76	14.07	13.02
51.0	10.56	12.45	13.88	14.97	14.43	12.84	10.13	9.430
54.0	7.437	8.749	10.10	10.85	10.31	9.067	7.126	6.699
57.0	5.194	6.115	7.284	7.765	7.202	6.167	5.019	4.771
60.0	3.816	4.399	5.291	5.527	4.965	4.300	3.709	3.540
63.0	2.878	3.298	3.977	4.106	3.632	3.244	2.775	2.627
66.0	2.092	2.410	2.970	3.089	2.716	2.421	1.993	1.881
69.0	1.489	1.700	2.133	2.233	1.935	1.711	1.399	1.348
72.0	1.134	1.222	1.490	1.559	1.345	1.200	1.051	1.058
75.0	0.9568	1.002	1.104	1.130	0.9970	0.9384	0.8620	0.8826
78.0	0.8059	0.8333	0.8997	0.9155	0.8058	0.7468	0.7048	0.7282
81.0	0.6297	0.6769	0.7275	0.7418	0.6634	0.5778	0.5356	0.5435
84.0	0.3298	0.4321	0.5409	0.5686	0.4999	0.3608	0.2500	0.2103
87.0	0.0139	0.0826	0.2653	0.3048	0.2185	0.0551	0.0122	0.0090
90.0	0.0122	0.0080	0.0135	0.0055	0.0067	0.0051	0.0093	0.0080

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