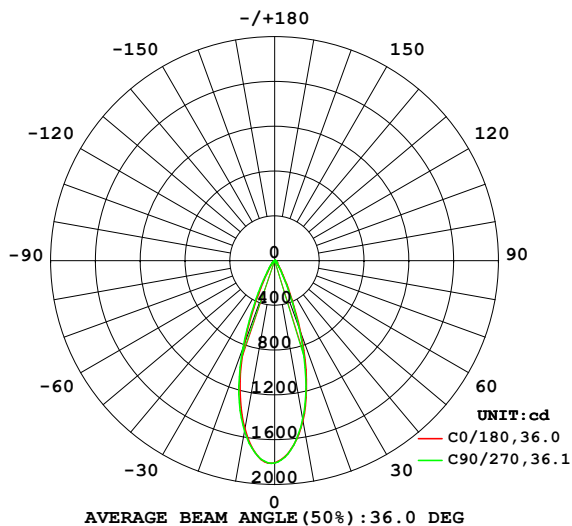


## LUMINAIRE PHOTOMETRIC TEST REPORT

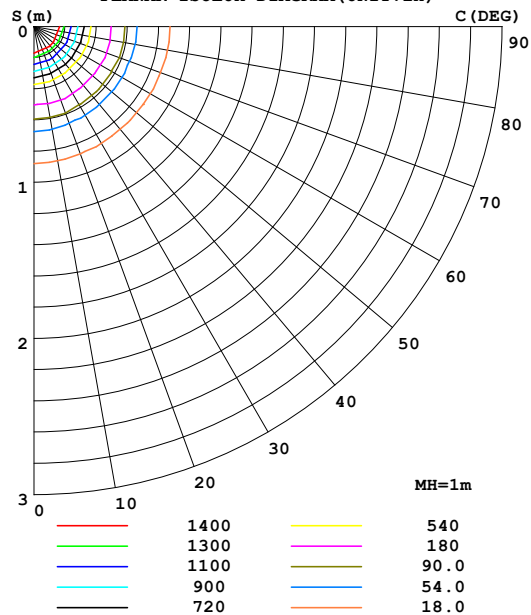
Test:U:240.3V I:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421 Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 80.20 lm/W
MODEL		I <sub>max</sub> (cd)	1813	S/MH(C0/180)		0.59
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)		0.60
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	741.95	η UP,DN(C0-180)		0.0,46.6
NOMINAL FLUX(lm)	741.953	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,53.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM		0.50
TEST VOLTAGE(V)	240.22	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	1454	1417	1442	1499	1530	1546	1548	1512	0- 10	157.0	157.0	21.2,21.2
20	670.8	618.9	645.1	724.4	791.3	840.1	831.2	769.0	10- 20	311.4	468.5	63.1,63.1
30	150.7	136.5	136.8	156.1	167.5	192.6	202.3	185.7	20- 30	176.1	644.6	86.9,86.9
40	47.06	44.17	45.80	49.45	50.04	54.08	57.71	56.70	30- 40	56.65	701.2	94.5,94.5
50	16.89	16.13	16.72	18.94	20.18	21.53	21.46	20.05	40- 50	24.89	726.1	97.9,97.9
60	5.857	5.780	5.376	5.933	6.471	6.965	6.755	6.053	50- 60	10.17	736.3	99.2,99.2
70	1.947	1.929	1.792	2.040	2.216	2.394	2.353	1.982	60- 70	3.790	740.1	99.7,99.7
80	0.9257	0.8956	0.8488	0.8389	0.8838	0.9377	0.9975	0.9545	70- 80	1.434	741.5	99.9,99.9
90	0.0173	0.0141	0.0251	0.0142	0.0122	0.0125	0.0180	0.0119	80- 90	0.4403	742.0	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): 716.12 lm

%lum = 96.5%

%lamp = 96.5%

Conical surface Flux(120deg): 736.29 lm

%lum = 99.2%

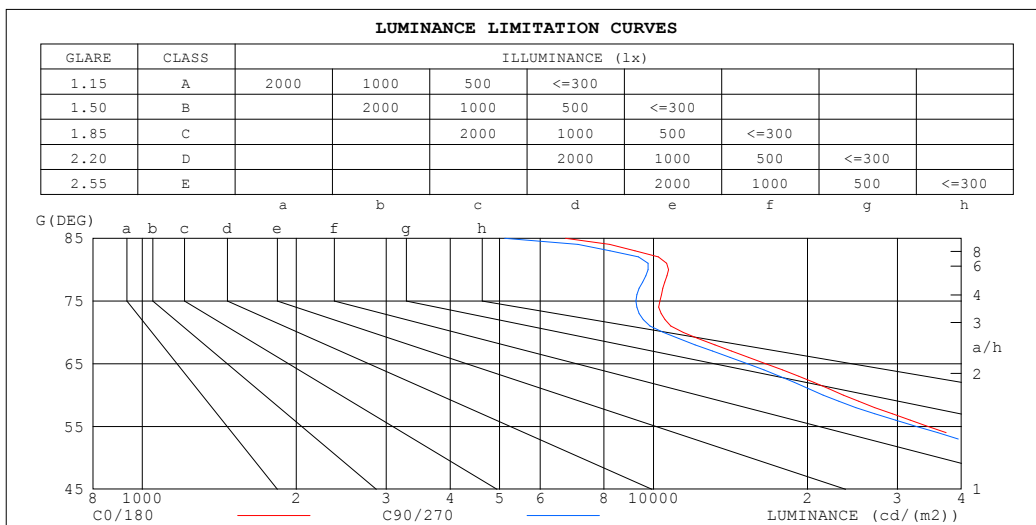
%lamp = 99.2%

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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421 Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K 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	6723	5110
80	10701	9755
75	10287	9233
70	11430	10454
65	16580	15275
60	23512	21459
55	34445	32709
50	52741	51922
45	81179	79660

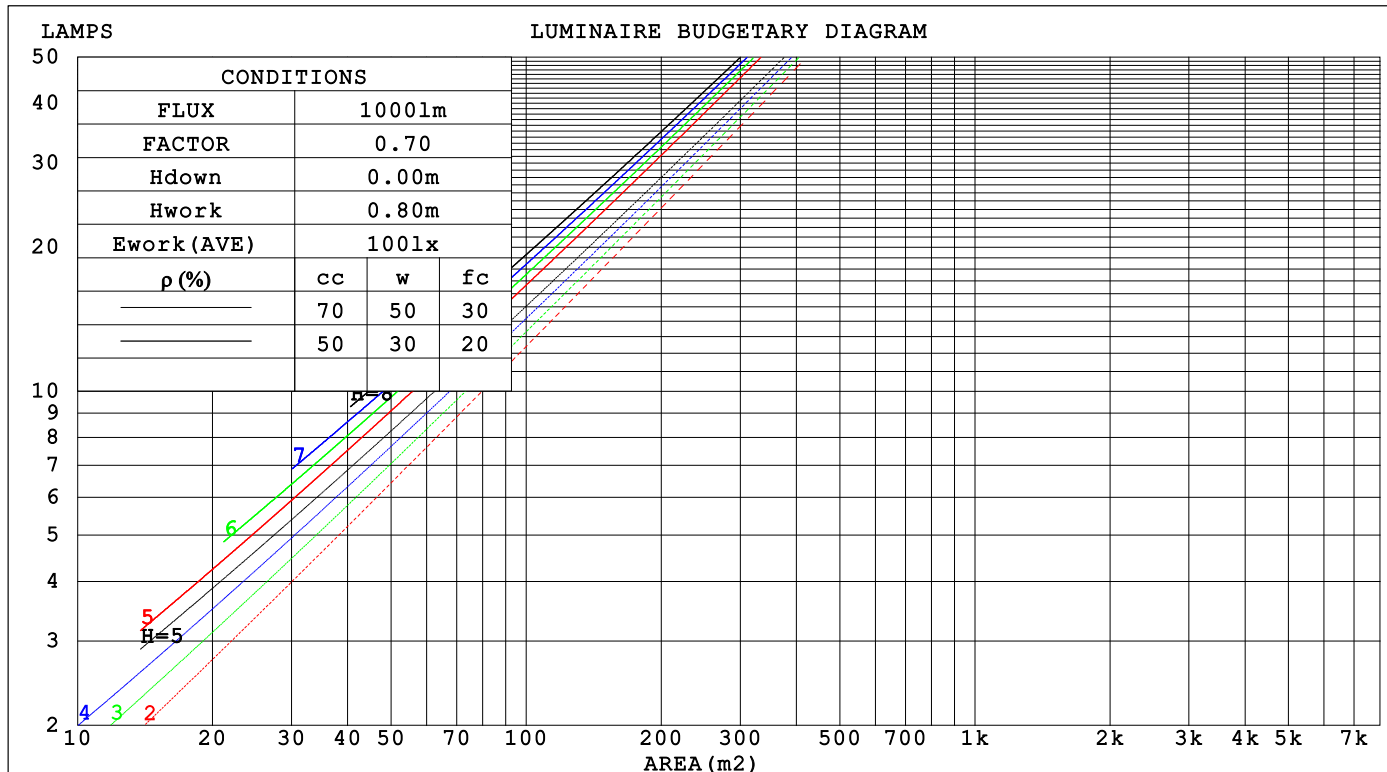
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

$\gamma$  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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421		
Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K 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                      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	1.01	.98	1.01	.98	.96	.98	.95	.94	.95	.93	.92	.90
3.0	.00	.95	.92	.98	.94	.91	.96	.93	.90	.93	.91	.88	.91	.89	.87	.86
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.90	.86	.84	.88	.85	.83	.82
5.0	.90	.85	.81	.89	.85	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.77	.85	.80	.77	.84	.80	.76	.82	.79	.76	.81	.78	.76	.74
7.0	.82	.77	.74	.81	.77	.73	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
8.0	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.68
9.0	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.70	.67	.73	.69	.67	.65
10.0	.73	.68	.65	.72	.68	.64	.71	.67	.64	.71	.67	.64	.70	.67	.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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz			UTHDi:0.16% ITHDi:18.10% KDisp:0.9421			Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K 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	.158	.090	.028	.151	.086	.027	.139	.079	.025	.127	.073	.024	.116	.068	.022		
2.0	.149	.081	.025	.143	.079	.024	.133	.074	.023	.123	.069	.022	.114	.065	.020		
3.0	.140	.074	.022	.135	.072	.022	.126	.069	.021	.118	.065	.020	.111	.061	.019		
4.0	.132	.069	.020	.128	.067	.020	.121	.064	.019	.114	.061	.018	.107	.058	.018		
5.0	.125	.064	.018	.122	.063	.018	.115	.060	.018	.109	.058	.017	.104	.055	.017		
6.0	.119	.060	.017	.116	.059	.017	.110	.057	.016	.105	.055	.016	.100	.053	.016		
7.0	.113	.056	.016	.111	.055	.016	.106	.053	.015	.101	.052	.015	.097	.050	.015		
8.0	.108	.053	.015	.106	.052	.015	.102	.051	.014	.097	.049	.014	.094	.048	.014		
9.0	.104	.050	.014	.102	.049	.014	.098	.048	.014	.094	.047	.013	.091	.046	.013		
10.0	.099	.048	.013	.098	.047	.013	.094	.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	.070	.052	.046	.041	.017	.015	.013		
3.0	.139	.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	.118	.086	.063	.102	.075	.055	.070	.052	.039	.041	.031	.023	.013	.010	.008		
6.0	.110	.077	.053	.095	.066	.046	.065	.047	.033	.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	.039	.084	.054	.034	.058	.038	.024	.034	.022	.014	.011	.007	.005		
9.0	.092	.057	.034	.079	.049	.029	.055	.035	.021	.032	.021	.012	.010	.007	.004		
10.0	.087	.052	.029	.075	.045	.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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz UTHDi:0.16% ITHDi:18.10% KDisp:0.9421Lamp Flux:741.953x1 lm										
NAME: MD10-09-XX-16 2700K 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	19.7	20.5	19.9	20.7	20.8	19.5	20.3	19.7	20.5	20.6
3H	19.7	20.4	20.0	20.6	20.8	19.5	20.2	19.8	20.4	20.6
4H	19.7	20.4	20.0	20.6	20.8	19.5	20.2	19.7	20.4	20.6
6H	19.7	20.3	20.0	20.6	20.8	19.4	20.1	19.7	20.3	20.6
8H	19.7	20.3	20.0	20.5	20.8	19.4	20.1	19.7	20.3	20.6
12H	19.6	20.2	19.9	20.5	20.8	19.4	20.0	19.7	20.3	20.5
4H 2H	19.6	20.3	19.9	20.5	20.8	19.4	20.1	19.7	20.4	20.6
3H	19.6	20.2	20.0	20.5	20.8	19.4	20.1	19.8	20.3	20.6
4H	19.6	20.2	20.0	20.5	20.8	19.4	20.0	19.8	20.3	20.6
6H	19.6	20.1	20.0	20.5	20.8	19.4	19.9	19.8	20.3	20.6
8H	19.6	20.1	20.0	20.4	20.8	19.4	19.9	19.8	20.2	20.6
12H	19.6	20.0	20.0	20.4	20.8	19.4	19.8	19.8	20.2	20.6
8H 4H	19.5	20.0	19.9	20.3	20.7	19.3	19.8	19.7	20.1	20.5
6H	19.6	20.0	20.0	20.3	20.8	19.4	19.7	19.8	20.1	20.6
8H	19.6	19.9	20.0	20.3	20.8	19.4	19.7	19.8	20.1	20.6
12H	19.6	19.9	20.0	20.3	20.8	19.3	19.6	19.8	20.1	20.5
12H 4H	19.5	19.9	19.9	20.3	20.7	19.3	19.7	19.7	20.1	20.5
6H	19.5	19.9	20.0	20.3	20.7	19.3	19.7	19.8	20.1	20.5
8H	19.6	19.8	20.0	20.3	20.8	19.3	19.6	19.8	20.1	20.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.1 / - 3.4					+ 2.0 / - 3.5				
1.5H	+ 3.1 / - 2.8					+ 3.0 / - 2.8				
2.0H	+ 3.7 / - 2.9					+ 3.7 / - 2.9				

CIE Pub.117, 742.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.0)  
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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421 Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

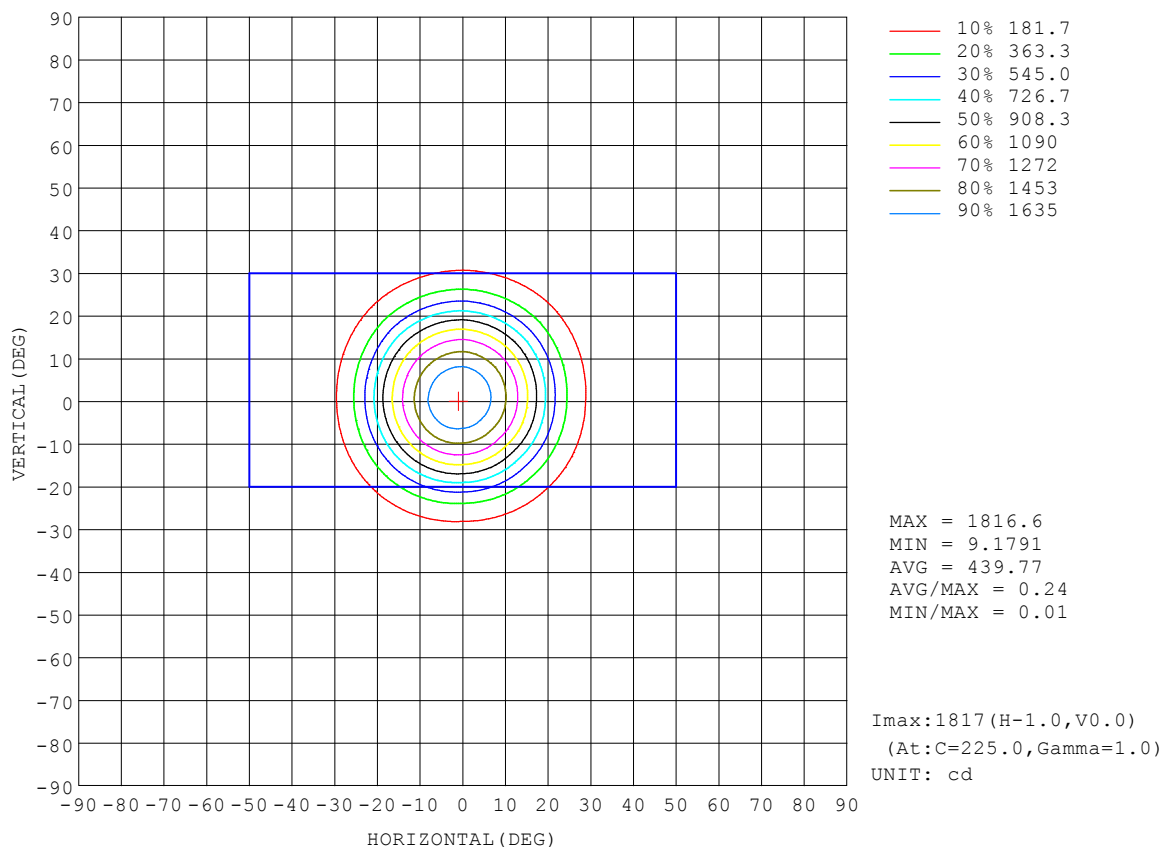
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	78	88	82	78	87	81	78	74
0.80	95	90	86	95	89	86	94	89	86	82
1.00	100	94	91	99	94	90	97	94	90	86
1.25	104	99	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	106	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	107	105	98
5.00	115	113	111	113	111	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: 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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421 Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



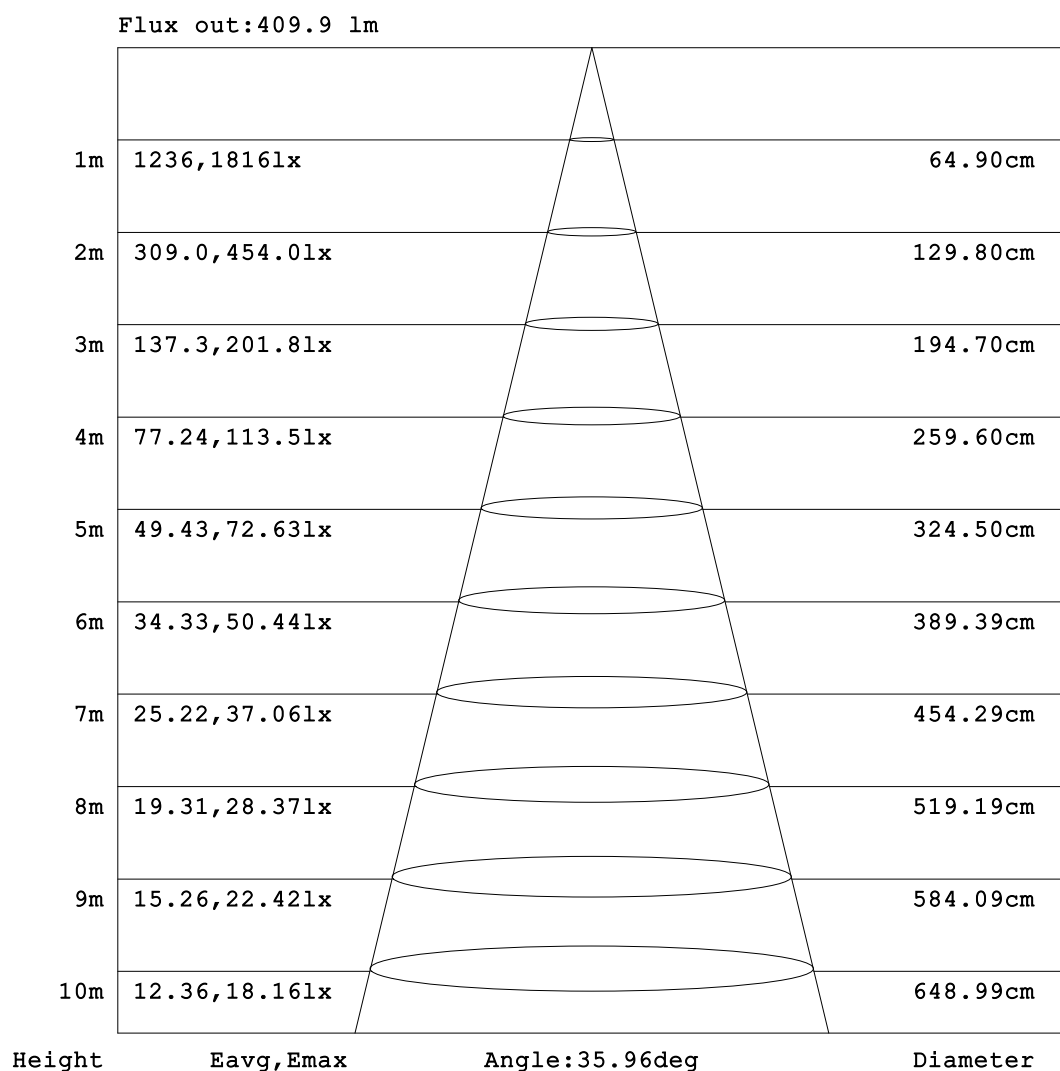
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-03-16

$\gamma$  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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421		Lamp Flux:741.953x1 lm
NAME: MD10-09-XX-16 2700K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:



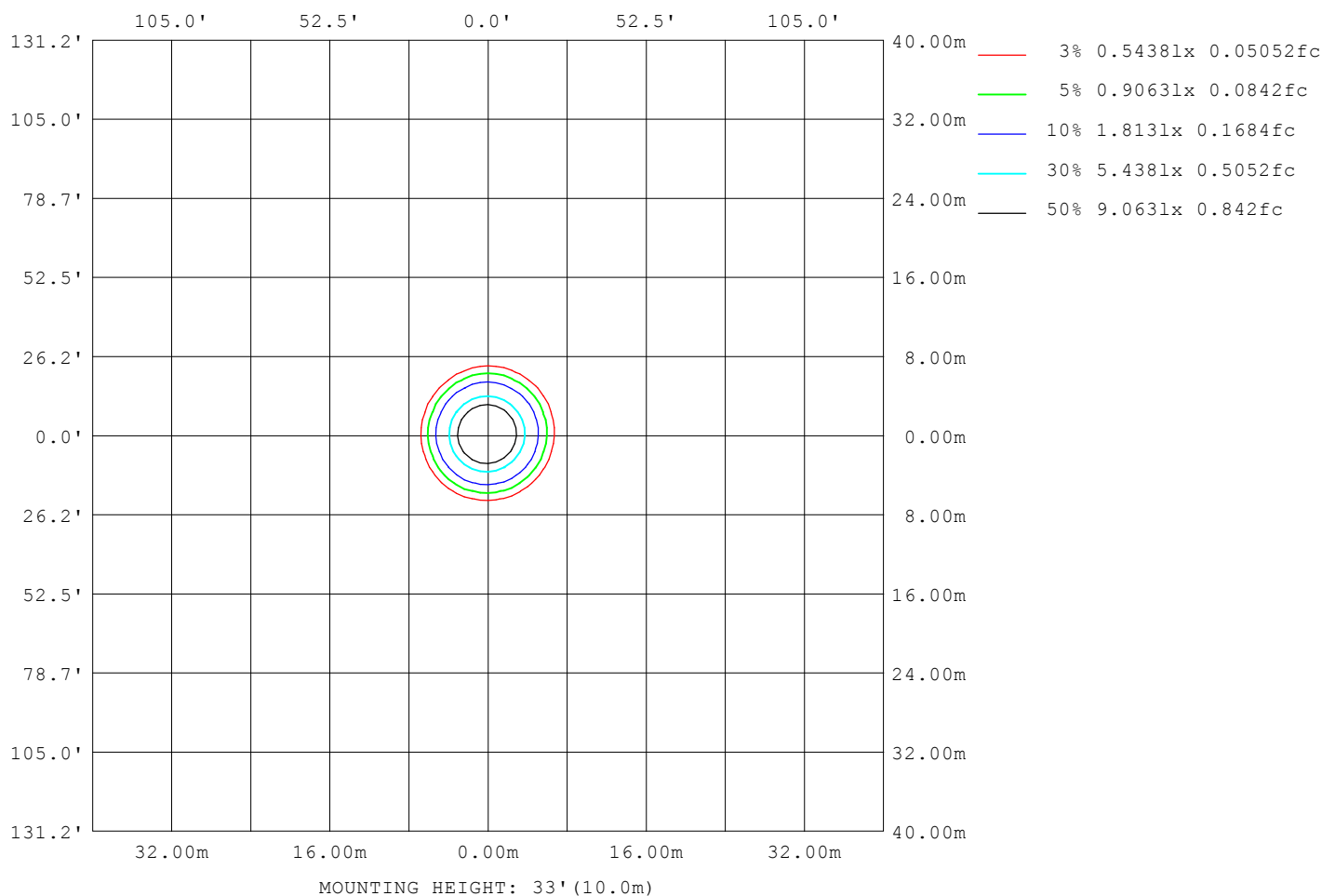
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421		Lamp Flux:741.953x1 lm
NAME: MD10-09-XX-16 2700K 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:0.0416A P:9.3W PF:0.9266 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.10% KDisp:0.9421 Lamp Flux:741.953x1 lm		
NAME: MD10-09-XX-16 2700K RA90 30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming Lighting	SUR.: 26mm	Shielding Angle:

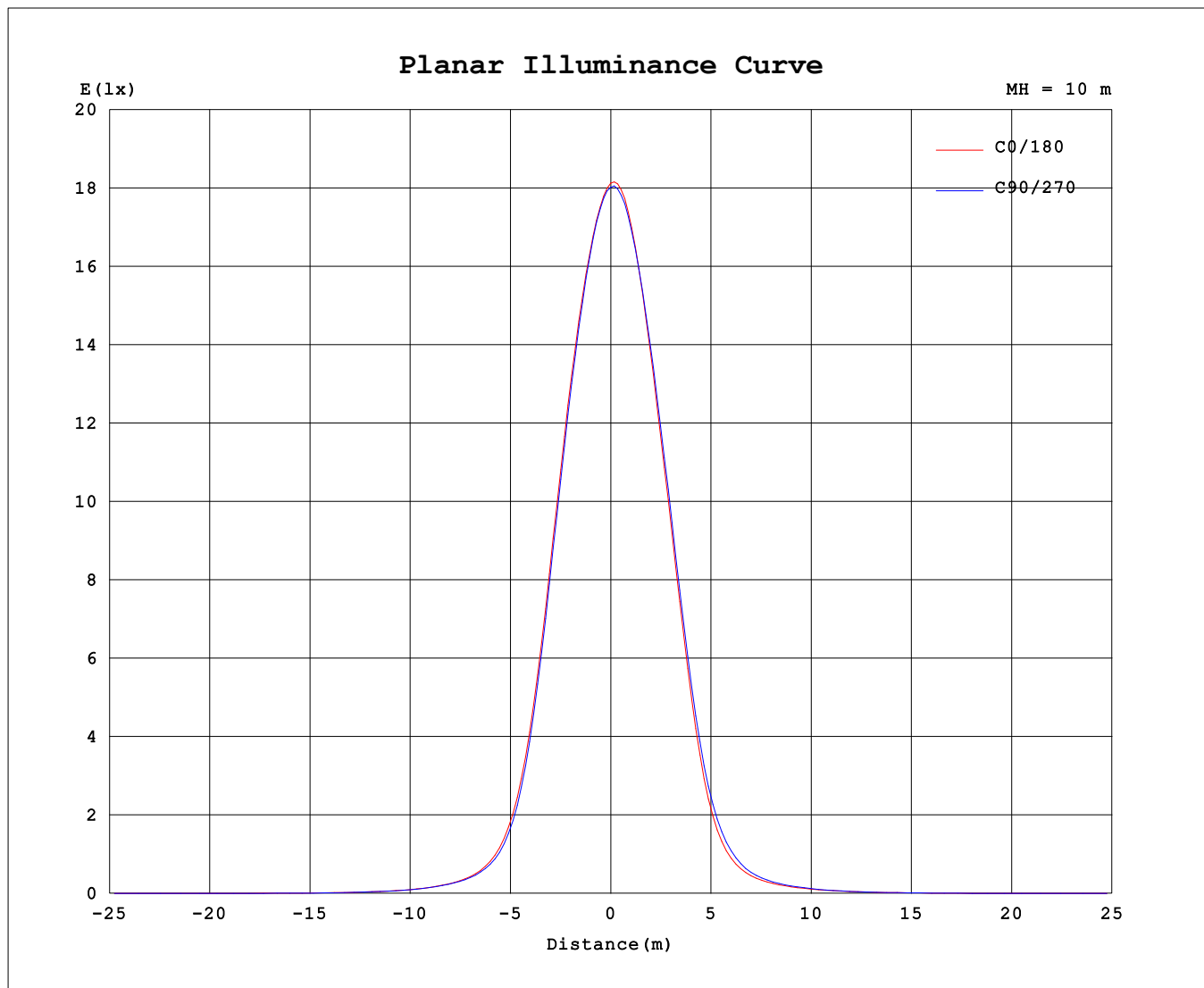
AvgL	cd/m2
L_0~180 (65) av	17629
L_0~180 (75) av	9979
L_0~180 (85) av	9349
L_90~270 (65) av	17495
L_90~270 (75) av	9928
L_90~270 (85) av	8975
L_45 (65) av	17685
L_45 (75) av	10052
L_45 (85) av	8320

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	1806	1806	1806	1806	1806	1806	1806	1806
3.0	1753	1745	1758	1779	1797	1801	1794	1772
6.0	1652	1633	1653	1696	1720	1729	1721	1691
9.0	1511	1479	1502	1557	1584	1597	1598	1564
12.0	1327	1281	1309	1371	1408	1430	1436	1395
15.0	1100	1045	1077	1149	1201	1232	1237	1185
18.0	842.3	785.7	817.5	898.3	964.5	1006	1002	940.1
21.0	590.5	542.2	563.8	640.4	703.7	755.4	745.0	685.6
24.0	383.7	347.3	357.4	415.6	461.6	511.8	507.4	460.9
27.0	239.4	218.1	217.9	253.6	279.2	319.7	323.5	293.7
30.0	150.7	136.5	136.8	156.1	167.5	192.6	202.3	185.7
33.0	99.80	91.95	93.77	102.7	106.5	119.7	129.5	122.0
36.0	70.75	65.74	67.34	72.88	73.91	81.50	88.10	85.73
39.0	51.98	48.65	50.32	54.24	54.82	59.45	63.71	62.60
42.0	38.65	36.33	37.88	41.13	41.99	45.13	47.67	46.56
45.0	28.60	27.01	28.22	31.07	32.30	34.55	35.78	34.42
48.0	20.88	19.87	20.73	23.20	24.52	26.14	26.51	25.07
51.0	15.15	14.51	14.94	17.03	18.22	19.45	19.35	17.90
54.0	10.93	10.58	10.59	12.19	13.16	14.13	13.72	12.61
57.0	7.948	7.741	7.391	8.441	9.211	10.02	9.633	8.684
60.0	5.857	5.780	5.376	5.933	6.471	6.965	6.755	6.053
63.0	4.349	4.307	4.015	4.455	4.806	5.111	5.025	4.463
66.0	3.108	3.076	2.878	3.314	3.571	3.807	3.757	3.213
69.0	2.182	2.163	2.012	2.314	2.520	2.706	2.660	2.234
72.0	1.622	1.641	1.478	1.590	1.710	1.854	1.837	1.598
75.0	1.326	1.329	1.197	1.238	1.256	1.320	1.372	1.316
78.0	1.089	1.071	0.9919	0.9883	1.023	1.075	1.135	1.094
81.0	0.8261	0.7855	0.7646	0.7669	0.8151	0.8778	0.9274	0.8771
84.0	0.4276	0.3336	0.3724	0.4940	0.6088	0.6733	0.6776	0.5299
87.0	0.0221	0.0116	0.0258	0.1108	0.2785	0.3513	0.3281	0.0622
90.0	0.0173	0.0141	0.0251	0.0142	0.0122	0.0125	0.0180	0.0119

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