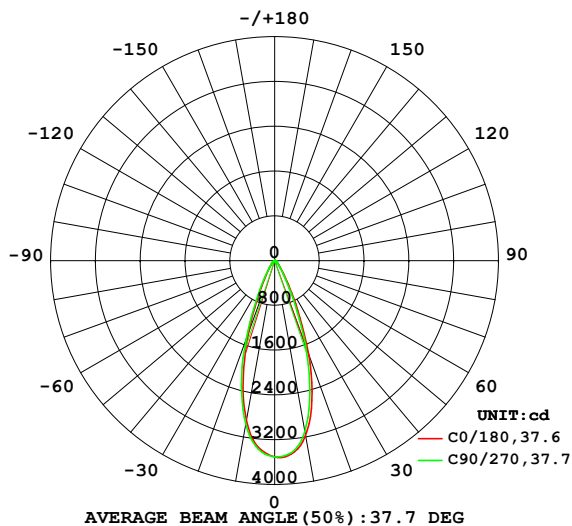


## LUMINAIRE PHOTOMETRIC TEST REPORT

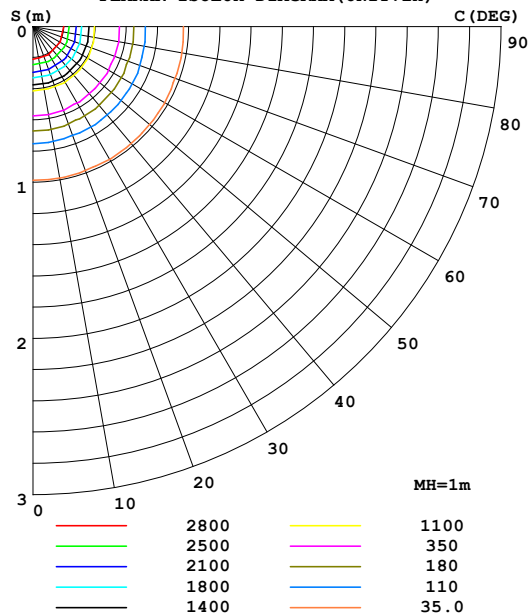
Test:U:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809		Lamp Flux:1616.88x1 lm
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.74 lm/W			
MODEL		Imax (cd)	3521	S/MH(C0/180)	0.57
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1616.9	$\eta$ UP,DN(C0-180)	0.0,52.3
NOMINAL FLUX(lm)	1616.88	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,47.7
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	240.43	$\eta$ 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: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	3179	3182	3104	2988	2903	2904	2970	3082	0- 10	313.9	313.9	19.4,19.4
20	1778	1766	1621	1466	1354	1361	1499	1680	10- 20	644.1	958.1	59.3,59.3
30	492.6	478.2	420.0	367.3	340.0	338.1	382.0	440.7	20- 30	392.8	1351	83.5,83.5
40	146.6	142.5	129.6	119.2	111.2	111.0	123.2	135.5	30- 40	143.1	1494	92.4,92.4
50	61.75	61.80	59.59	54.15	51.61	51.15	54.83	57.74	40- 50	65.29	1559	96.4,96.4
60	31.20	31.03	29.95	26.60	24.74	24.55	27.23	29.16	50- 60	36.08	1595	98.7,98.7
70	10.43	10.27	9.195	7.764	6.670	7.018	8.362	9.619	60- 70	17.58	1613	99.8,99.8
80	1.481	1.356	1.204	1.081	1.062	1.141	1.337	1.444	70- 80	3.446	1616	100,100
90	0.0570	0.0389	0.0572	0.0392	0.0453	0.0382	0.0488	0.0360	80- 90	0.4605	1617	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): 1531.8 lm

%lum = 94.7%

%lamp = 94.7%

Conical surface Flux(120deg): 1595.4 lm

%lum = 98.7%

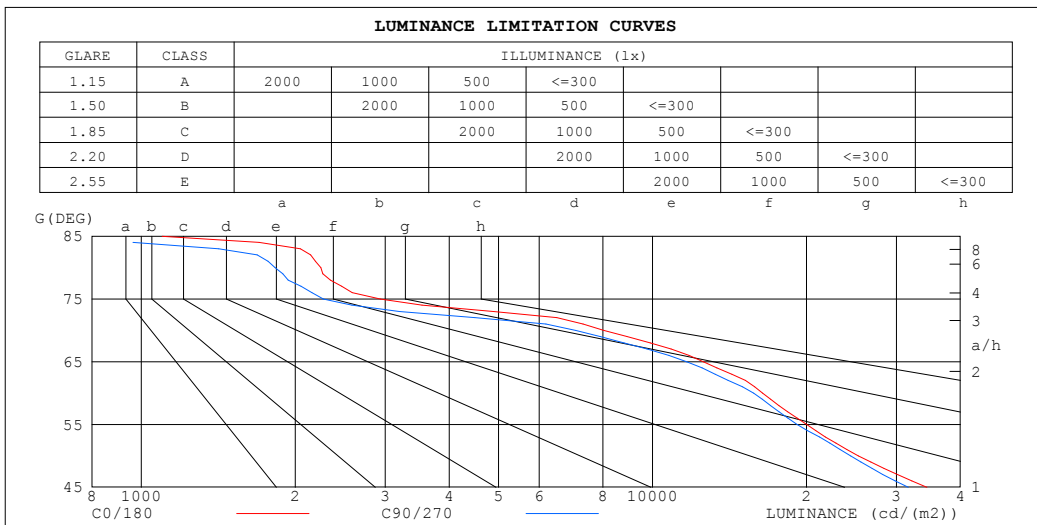
%lamp = 98.7%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-11-06

$\gamma$  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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm		
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



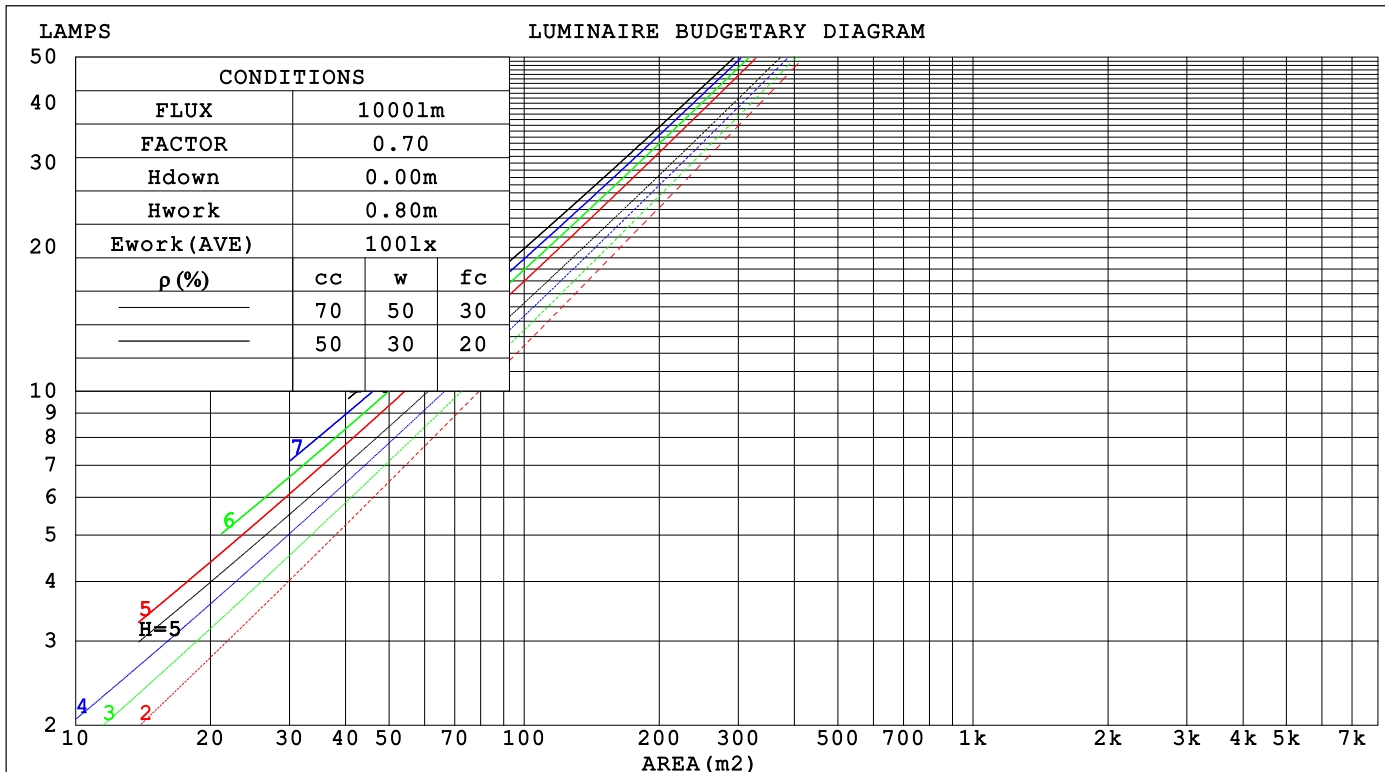
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-11-06

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm		
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	.99	.98	.97	.96	.95														
2.0	1.05	1.01	.98	1.03	.99	.97	.99	.97	.95	.97	.95	.93	.94	.92	.91	.89														
3.0	.99	.94	.91	.97	.93	.90	.95	.91	.89	.92	.90	.87	.90	.88	.86	.84														
4.0	.93	.88	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.84	.81	.80														
5.0	.88	.83	.80	.88	.83	.79	.86	.82	.79	.84	.81	.78	.83	.80	.77	.76														
6.0	.84	.79	.75	.83	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72														
7.0	.80	.75	.71	.80	.75	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69														
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66														
9.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.71	.67	.64	.63														
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.69	.65	.62	.68	.64	.62	.60														



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm		
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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	.164	.093	.029	.157	.090	.028	.144	.083	.026	.133	.077	.025	.122	.071	.023		
2.0	.155	.085	.026	.149	.082	.025	.139	.077	.024	.129	.073	.023	.120	.068	.021		
3.0	.146	.078	.023	.142	.076	.023	.133	.072	.022	.125	.068	.021	.117	.065	.020		
4.0	.138	.072	.021	.134	.070	.021	.127	.067	.020	.120	.064	.019	.113	.061	.019		
5.0	.131	.067	.019	.128	.065	.019	.121	.063	.019	.115	.061	.018	.109	.058	.018		
6.0	.124	.062	.018	.121	.061	.018	.116	.059	.017	.110	.057	.017	.105	.055	.016		
7.0	.118	.059	.017	.116	.058	.016	.111	.056	.016	.106	.054	.016	.102	.053	.016		
8.0	.113	.055	.016	.111	.054	.015	.106	.053	.015	.102	.052	.015	.098	.050	.015		
9.0	.108	.052	.015	.106	.052	.014	.102	.050	.014	.098	.049	.014	.095	.048	.014		
10.0	.103	.050	.014	.102	.049	.014	.098	.048	.014	.095	.047	.013	.092	.046	.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	.146	.135	.126	.100	.093	.087	.057	.054	.051	.018	.017	.016		
2.0	.154	.133	.115	.132	.114	.099	.090	.079	.069	.052	.046	.040	.017	.015	.013		
3.0	.141	.113	.092	.121	.098	.080	.083	.068	.056	.048	.040	.033	.015	.013	.011		
4.0	.130	.099	.075	.111	.085	.065	.076	.059	.046	.044	.035	.027	.014	.011	.009		
5.0	.120	.087	.062	.103	.075	.054	.071	.052	.038	.041	.031	.023	.013	.010	.007		
6.0	.112	.077	.052	.096	.067	.045	.066	.047	.032	.039	.027	.019	.012	.009	.006		
7.0	.105	.069	.044	.090	.060	.038	.062	.042	.027	.036	.025	.016	.012	.008	.005		
8.0	.099	.063	.038	.085	.054	.033	.059	.038	.023	.034	.023	.014	.011	.007	.005		
9.0	.094	.057	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004		
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004		

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm											
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:						WEIGHT:					
SPEC.:						DIM.:			SERIAL No.:		
MFR.: Norming lighting						SUR.: 70mm			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		18.9	19.8	19.2	19.9	20.1	18.5	19.4	18.8	19.5	19.7
	3H	19.1	19.9	19.4	20.1	20.3	18.7	19.5	19.0	19.7	19.9
	4H	19.1	19.8	19.3	20.0	20.2	18.6	19.4	18.9	19.6	19.8
	6H	19.0	19.7	19.3	19.9	20.2	18.6	19.3	18.9	19.5	19.7
	8H	19.0	19.6	19.3	19.9	20.1	18.5	19.2	18.8	19.4	19.7
	12H	18.9	19.5	19.2	19.8	20.1	18.5	19.1	18.8	19.4	19.7
4H	2H	19.0	19.7	19.3	19.9	20.2	18.6	19.4	18.9	19.6	19.8
	3H	19.2	19.8	19.5	20.1	20.4	18.8	19.5	19.2	19.7	20.0
	4H	19.2	19.7	19.5	20.0	20.3	18.8	19.3	19.1	19.6	19.9
	6H	19.1	19.6	19.5	19.9	20.3	18.7	19.2	19.1	19.5	19.9
	8H	19.0	19.5	19.4	19.9	20.2	18.6	19.1	19.0	19.5	19.8
	12H	19.0	19.4	19.4	19.8	20.2	18.6	19.0	19.0	19.4	19.8
8H	4H	19.0	19.5	19.4	19.9	20.2	18.7	19.1	19.0	19.5	19.8
	6H	19.0	19.4	19.4	19.7	20.2	18.6	19.0	19.0	19.4	19.8
	8H	18.9	19.3	19.4	19.7	20.1	18.5	18.9	19.0	19.3	19.7
	12H	18.9	19.2	19.3	19.6	20.1	18.5	18.8	18.9	19.2	19.7
12H	4H	19.0	19.4	19.4	19.8	20.2	18.6	19.0	19.0	19.4	19.8
	6H	18.9	19.3	19.4	19.7	20.1	18.5	18.9	19.0	19.3	19.7
	8H	18.9	19.2	19.3	19.6	20.1	18.5	18.8	18.9	19.2	19.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.6 / - 2.2					+ 1.3 / - 2.1				
1.5H		+ 2.6 / - 1.4					+ 2.0 / - 1.2				
2.0H		+ 2.2 / - 1.8					+ 2.0 / - 1.7				

CIE Pub.117, 1617 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.7$ )  
Area: 0.0038 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

$\gamma$  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:

### UTILIZATION FACTORS TABLE

Test:U:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm		
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

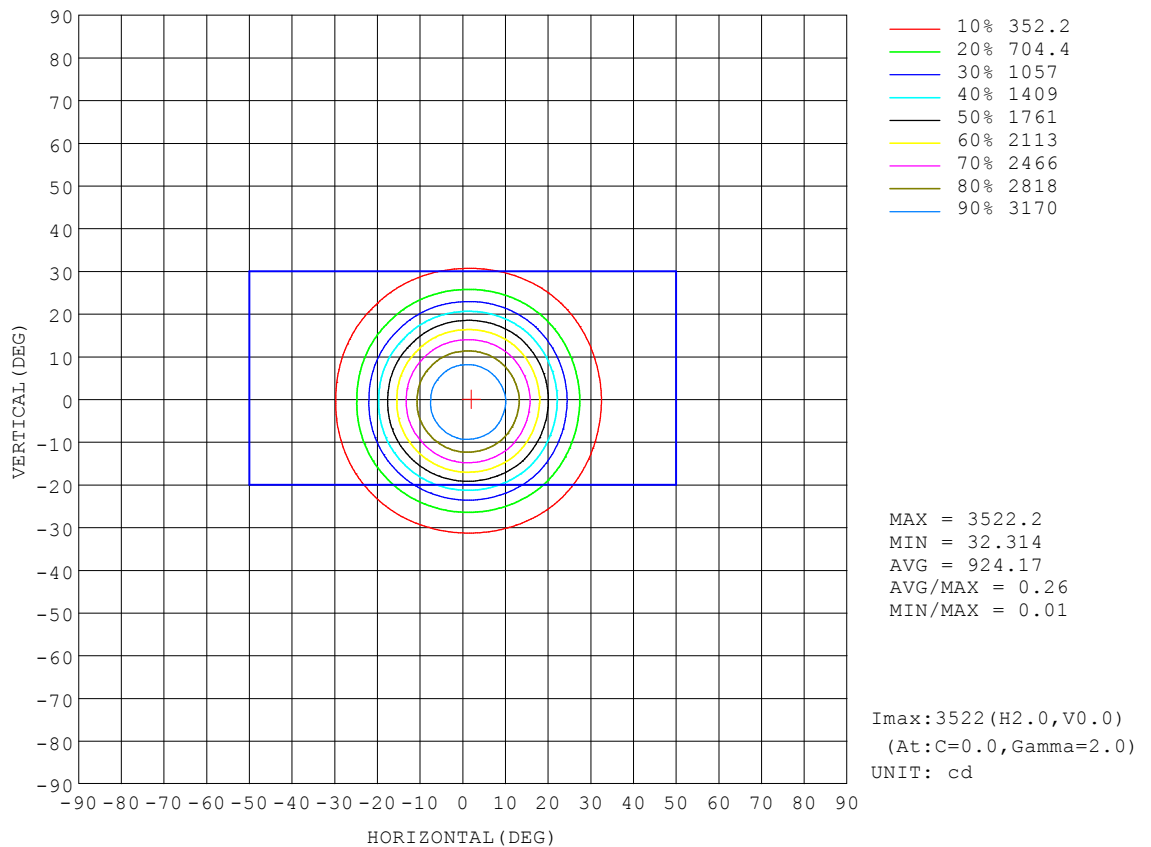
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	73
0.80	94	88	84	94	88	84	92	87	84	80
1.00	99	93	89	98	93	89	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	94
3.00	112	108	105	110	107	104	106	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:2024-11-06

$\gamma$  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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm		
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



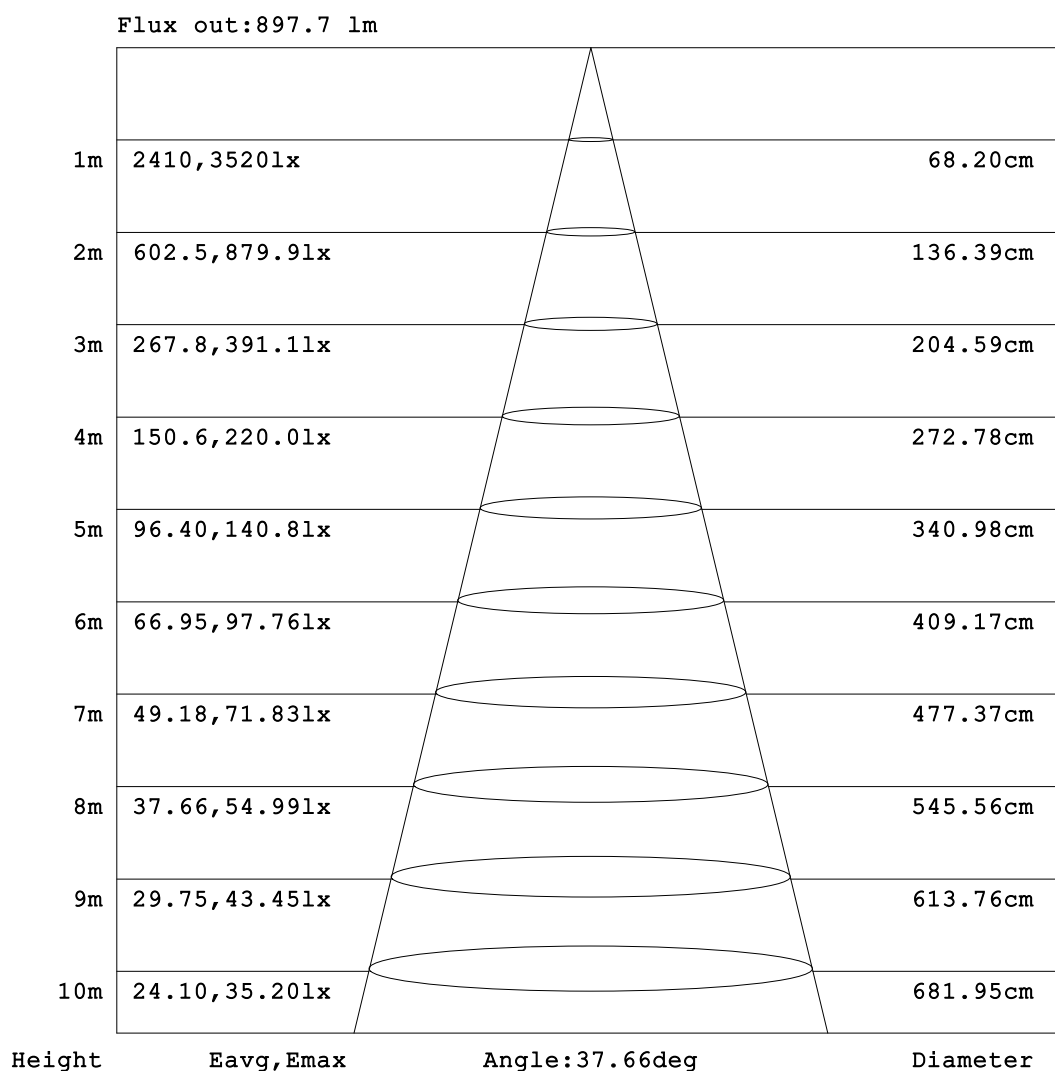
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-11-06

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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809		Lamp Flux:1616.88x1 lm
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



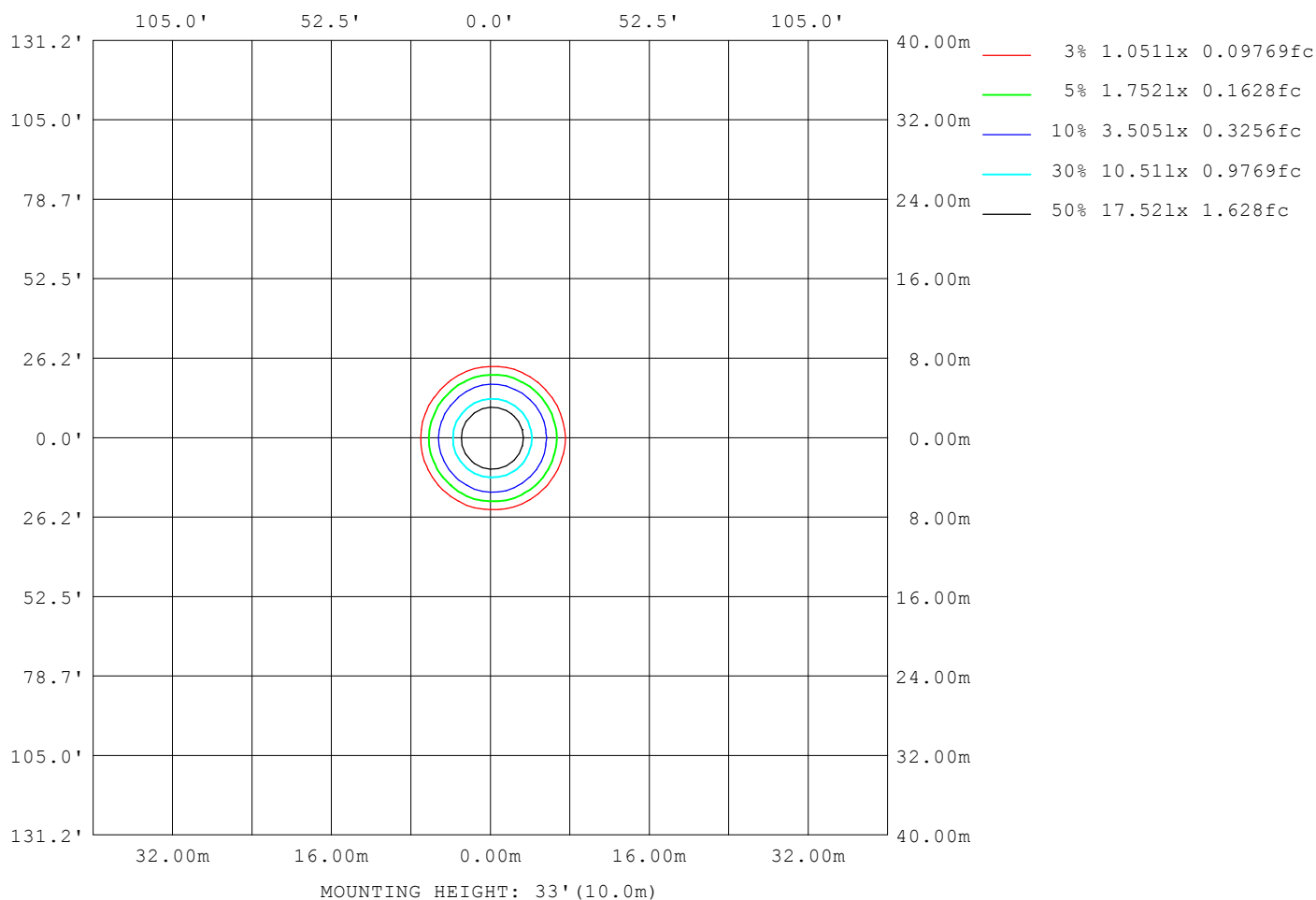
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809		Lamp Flux:1616.88x1 lm
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

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:240.5V I:0.0626A P:14.7W PF:0.9785 Freq:49.99Hz		
UTHDi:0.17% ITHDi:6.31% KDisp:0.9809 Lamp Flux:1616.88x1 lm		
NAME: FUSION GT-TR01-AHD-020-COB-01SC 4000K RA90 36D TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

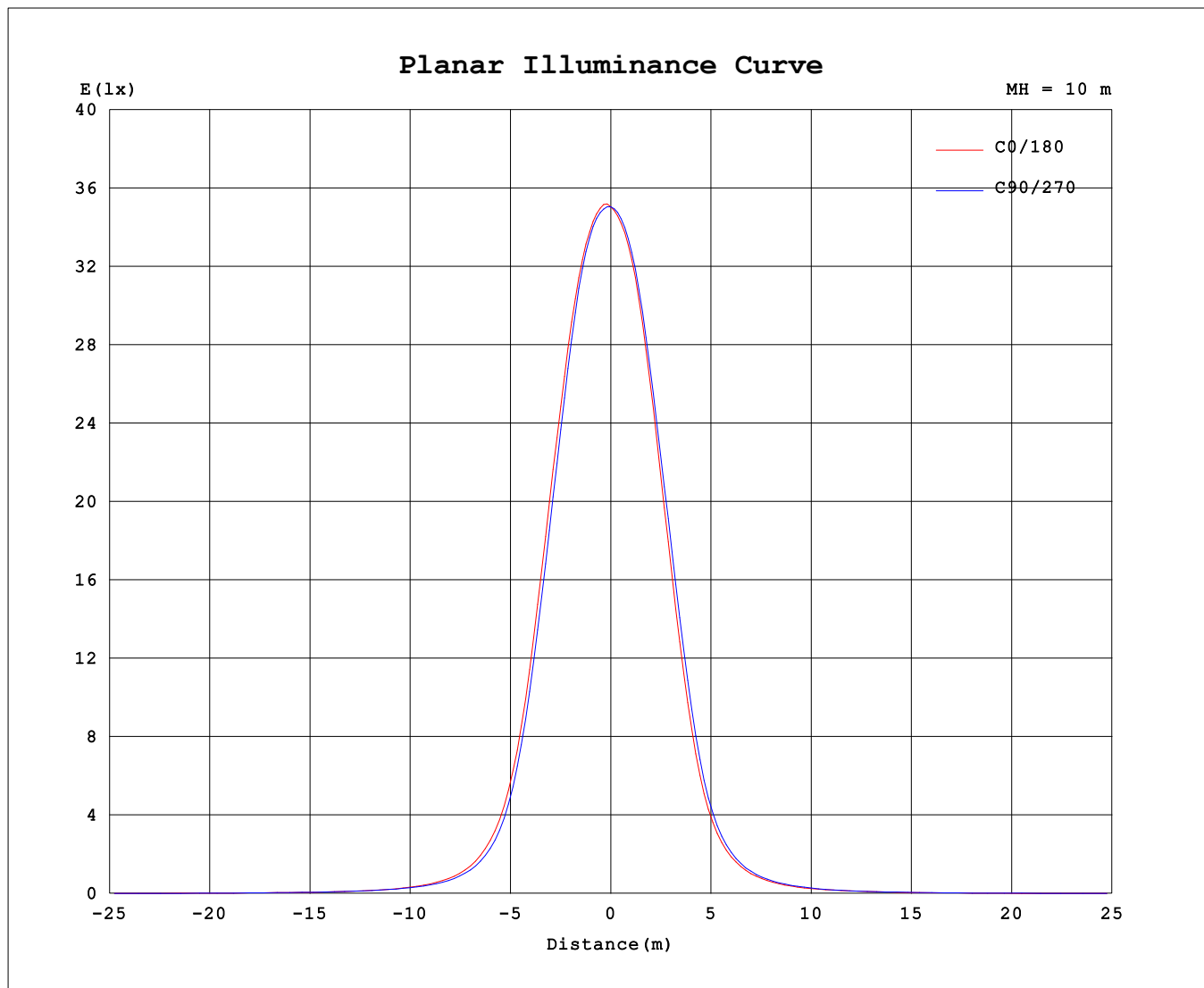
AvgL	cd/m2
L_0~180 (65) av	10936
L_0~180 (75) av	2461
L_0~180 (85) av	783
L_90~270 (65) av	11178
L_90~270 (75) av	2302
L_90~270 (85) av	583
L_45 (65) av	10909
L_45 (75) av	2372
L_45 (85) av	603

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-11-06

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: 2024-11-06

$\gamma$  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	3504	3504	3504	3504	3504	3504	3504	3504
3.0	3511	3511	3489	3458	3433	3431	3457	3486
6.0	3432	3441	3402	3340	3288	3284	3327	3381
9.0	3262	3270	3204	3100	3020	3022	3080	3174
12.0	2973	2966	2864	2730	2642	2645	2722	2863
15.0	2583	2571	2437	2278	2182	2199	2304	2475
18.0	2118	2100	1957	1798	1687	1695	1835	2017
21.0	1604	1594	1455	1304	1197	1205	1336	1509
24.0	1122	1116	997.4	872.2	790.1	795.1	897.3	1033
27.0	746.3	733.4	646.9	562.0	512.9	512.3	581.1	672.3
30.0	492.6	478.2	420.0	367.3	340.0	338.1	382.0	440.7
33.0	329.7	318.2	280.6	250.1	233.1	232.2	259.8	297.0
36.0	227.8	221.6	195.8	177.8	166.3	165.6	184.5	207.7
39.0	162.7	157.9	142.7	131.1	122.5	122.1	135.7	149.9
42.0	120.3	117.5	108.1	99.46	92.78	93.31	102.7	111.8
45.0	92.40	90.12	85.06	77.08	72.18	72.42	79.57	86.11
48.0	72.05	70.97	68.36	62.38	59.71	59.18	62.95	67.27
51.0	57.37	57.64	55.64	50.41	47.66	47.29	51.13	53.62
54.0	46.58	46.82	44.90	40.08	37.76	37.62	41.61	43.76
57.0	38.03	37.86	36.57	32.80	30.74	30.38	33.52	35.61
60.0	31.20	31.03	29.95	26.60	24.74	24.55	27.23	29.16
63.0	24.64	24.24	22.87	20.15	18.74	18.70	21.02	22.78
66.0	18.21	17.98	16.63	14.21	13.04	13.22	15.28	16.85
69.0	12.12	11.91	10.74	9.193	8.343	8.525	9.771	11.06
72.0	7.626	7.245	5.272	3.797	3.256	3.461	4.550	6.440
75.0	2.885	2.666	2.232	2.026	1.955	2.076	2.296	2.564
78.0	1.850	1.715	1.530	1.410	1.384	1.486	1.679	1.787
81.0	1.302	1.184	1.051	0.9193	0.8826	0.9576	1.151	1.261
84.0	0.6753	0.5810	0.3822	0.2118	0.1939	0.1832	0.3015	0.5236
87.0	0.1516	0.1223	0.1232	0.0819	0.0809	0.0723	0.1106	0.1146
90.0	0.0570	0.0389	0.0572	0.0392	0.0453	0.0382	0.0488	0.0360

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