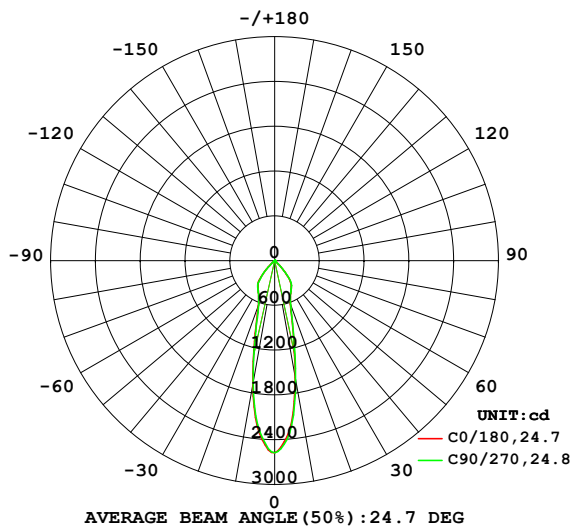


## LUMINAIRE PHOTOMETRIC TEST REPORT

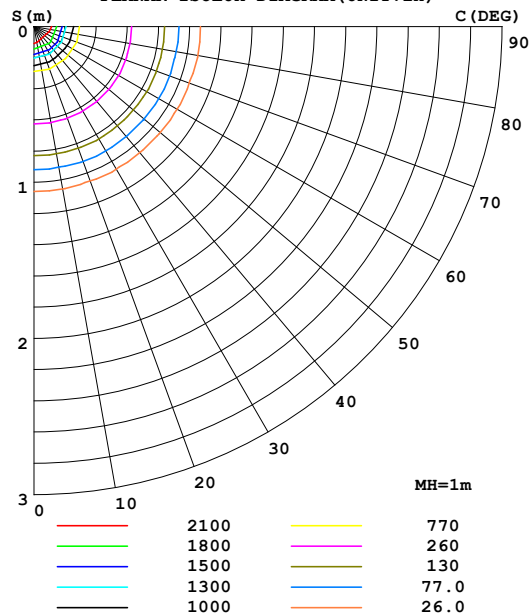
Test:U:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479		Lamp Flux:1074.25x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 108.49 lm/W
MODEL		Imax (cd)	2574	S/MH(C0/180)	0.43	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.43	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1074.2	$\eta$ UP,DN(C0-180)	0.0,49.8	
NOMINAL FLUX(lm)	1074.25	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.0,50.2	
LAMPS INSIDE	1	$\eta$ up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.42	$\eta$ down (%)	100.0	CIBSE SHR MAX	0.50	

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: 2024-10-16

$\gamma$  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:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1595	1604	1623	1675	1687	1688	1673	1614	0- 10	198.8	198.8	18.5,18.5
20	625.4	627.6	629.4	638.4	644.5	642.6	635.8	626.2	10- 20	277.3	476.2	44.3,44.3
30	445.1	447.7	445.0	446.6	446.9	450.0	450.1	448.3	20- 30	237.9	714.0	66.5,66.5
40	270.4	279.7	284.3	291.6	285.0	280.5	274.2	265.5	30- 40	238.8	952.9	88.7,88.7
50	22.36	24.30	22.64	26.38	26.08	26.88	25.21	22.55	40- 50	99.94	1053	98,98
60	6.012	5.835	5.843	6.120	6.022	6.185	6.155	5.968	50- 60	10.75	1064	99,99
70	4.032	4.020	3.905	3.889	3.866	3.849	3.924	3.950	60- 70	4.607	1068	99.4,99.4
80	3.854	4.006	4.178	4.013	4.062	4.172	4.136	3.891	70- 80	3.981	1072	99.8,99.8
90	0.0357	0.0283	0.0395	0.0276	0.0315	0.0296	0.0347	0.0270	80- 90	2.096	1074	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): 1026.6 lm

%lum = 95.6%

%lamp = 95.6%

Conical surface Flux(120deg): 1063.6 lm

%lum = 99.0%

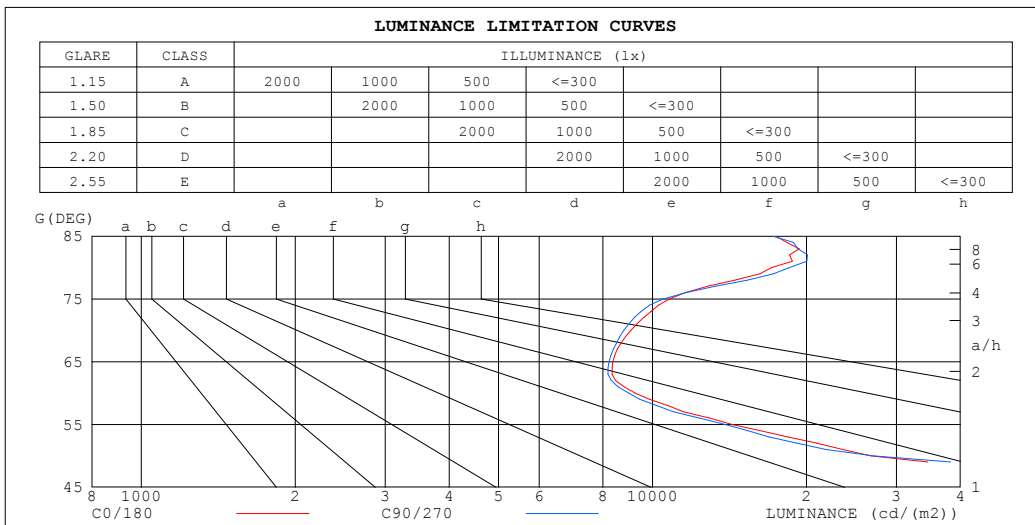
%lamp = 99.0%

C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-10-16

$\gamma$  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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz			Lamp Flux:1074.25x1 lm		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479					
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D			LWTYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Norming lighting			SUR.: 41mm		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17479	17227
80	17071	18512
75	10783	10479
70	9067	8786
65	8364	8219
60	9248	8992
55	14323	13890
50	26752	27102
45	125920	137625

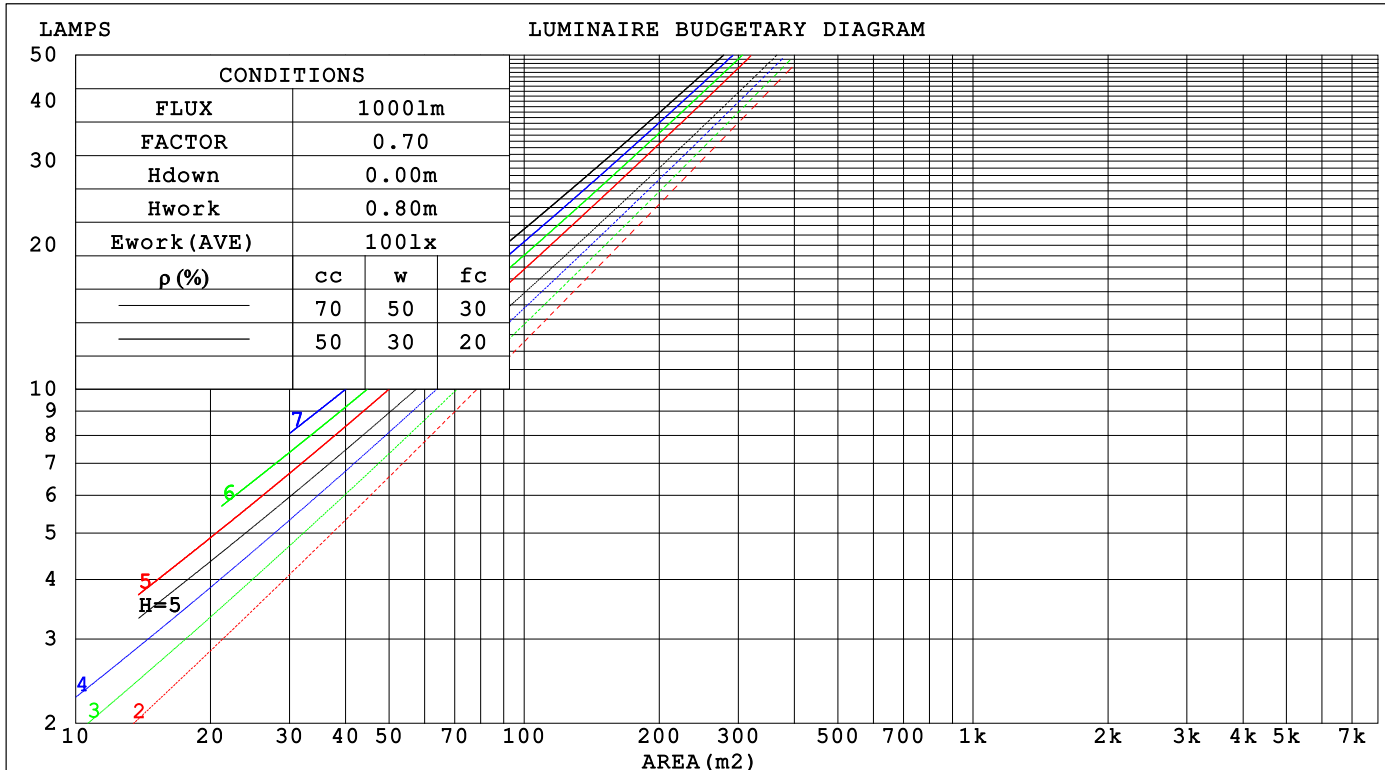
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-10-16

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479		Lamp Flux:1074.25x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	10WTYPE:	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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.99	.98	.97	.96	.95	.94
2.0	1.03	.99	.96	1.01	.98	.95	.98	.95	.93	.95	.93	.91	.92	.91	.89	.87
3.0	.96	.91	.88	.95	.90	.87	.92	.89	.85	.90	.87	.84	.88	.85	.83	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.77	.76
5.0	.85	.79	.75	.84	.78	.74	.82	.77	.74	.80	.76	.73	.79	.75	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.75	.70	.65	.75	.69	.65	.73	.69	.65	.72	.68	.65	.71	.67	.64	.63
8.0	.71	.66	.62	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.60	.57	.56
10.0	.64	.59	.55	.64	.59	.55	.63	.58	.55	.62	.58	.55	.62	.58	.55	.53



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-10-16

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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz			UTHDi:0.18% ITHDi:19.07% KDisp:0.9479			Lamp Flux:1074.25x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D			LOWTYPE:			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	.178	.101	.032	.171	.098	.031	.158	.091	.029	.147	.085	.027	.136	.079	.025															
2.0	.170	.093	.029	.164	.090	.028	.153	.085	.026	.144	.081	.025	.135	.076	.024															
3.0	.161	.086	.026	.156	.084	.025	.147	.080	.024	.139	.076	.023	.131	.073	.022															
4.0	.153	.079	.023	.149	.078	.023	.141	.075	.022	.134	.072	.022	.127	.069	.021															
5.0	.145	.074	.021	.142	.073	.021	.135	.070	.021	.129	.068	.020	.123	.066	.020															
6.0	.138	.069	.020	.135	.068	.020	.129	.066	.019	.124	.064	.019	.119	.062	.019															
7.0	.132	.065	.018	.129	.064	.018	.124	.063	.018	.119	.061	.018	.114	.059	.017															
8.0	.126	.062	.017	.123	.061	.017	.119	.059	.017	.114	.058	.017	.110	.057	.016															
9.0	.120	.058	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016															
10.0	.115	.055	.015	.113	.055	.015	.109	.054	.015	.106	.053	.015	.103	.052	.015															

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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.156	.133	.113	.134	.114	.098	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.143	.114	.090	.123	.098	.078	.084	.068	.055	.049	.040	.032	.016	.013	.011	
4.0	.133	.099	.073	.114	.085	.063	.079	.060	.044	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.107	.075	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.032	.085	.051	.028	.059	.036	.020	.034	.021	.012	.011	.007	.004	
10.0	.094	.054	.028	.081	.047	.024	.056	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-10-16

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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz UTHDi:0.18% ITHDi:19.07% KDisp:0.9479Lamp Flux:1074.25x1 lm										
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D 1						LOWTYPE:		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	25.1	26.0	25.3	26.2	26.3	25.2	26.1	25.4	26.3	26.5
3H	24.9	25.8	25.2	26.0	26.2	25.1	25.9	25.3	26.1	26.3
4H	24.9	25.7	25.1	25.9	26.1	25.0	25.8	25.3	26.0	26.2
6H	24.8	25.6	25.1	25.8	26.1	25.0	25.7	25.3	26.0	26.2
8H	24.8	25.5	25.1	25.8	26.1	25.0	25.7	25.3	25.9	26.2
12H	24.8	25.5	25.1	25.8	26.0	24.9	25.6	25.3	25.9	26.2
4H 2H	24.8	25.6	25.1	25.9	26.1	25.0	25.8	25.2	26.0	26.2
3H	24.7	25.4	25.0	25.7	25.9	24.8	25.5	25.1	25.8	26.1
4H	24.6	25.3	25.0	25.6	25.9	24.8	25.4	25.1	25.7	26.0
6H	24.6	25.2	25.0	25.5	25.9	24.8	25.3	25.1	25.7	26.0
8H	24.6	25.2	25.0	25.5	25.9	24.8	25.3	25.2	25.7	26.0
12H	24.7	25.1	25.1	25.5	25.9	24.8	25.3	25.2	25.6	26.0
8H 4H	24.5	25.0	24.9	25.4	25.7	24.6	25.2	25.0	25.5	25.9
6H	24.6	25.0	25.0	25.4	25.8	24.7	25.1	25.1	25.5	25.9
8H	24.6	25.0	25.1	25.4	25.8	24.8	25.1	25.2	25.5	26.0
12H	24.7	25.0	25.1	25.4	25.9	24.8	25.1	25.3	25.6	26.0
12H 4H	24.5	24.9	24.9	25.3	25.7	24.6	25.1	25.0	25.4	25.8
6H	24.5	24.9	25.0	25.3	25.8	24.7	25.0	25.1	25.5	25.9
8H	24.6	24.9	25.1	25.4	25.8	24.7	25.1	25.2	25.5	26.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.4 / - 7.9					+ 2.5 / - 8.0				
1.5H	+ 4.6 / - 7.8					+ 4.6 / - 8.0				
2.0H	+ 6.6 / - 3.0					+ 6.9 / - 3.3				

CIE Pub.117, 1074 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.2)  
Area: 0.0013 m2

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-10-16

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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz			UTHDi:0.18% ITHDi:19.07% KDisp:0.9479			Lamp Flux:1074.25x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D			LOWTYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 41mm			Shielding Angle:		

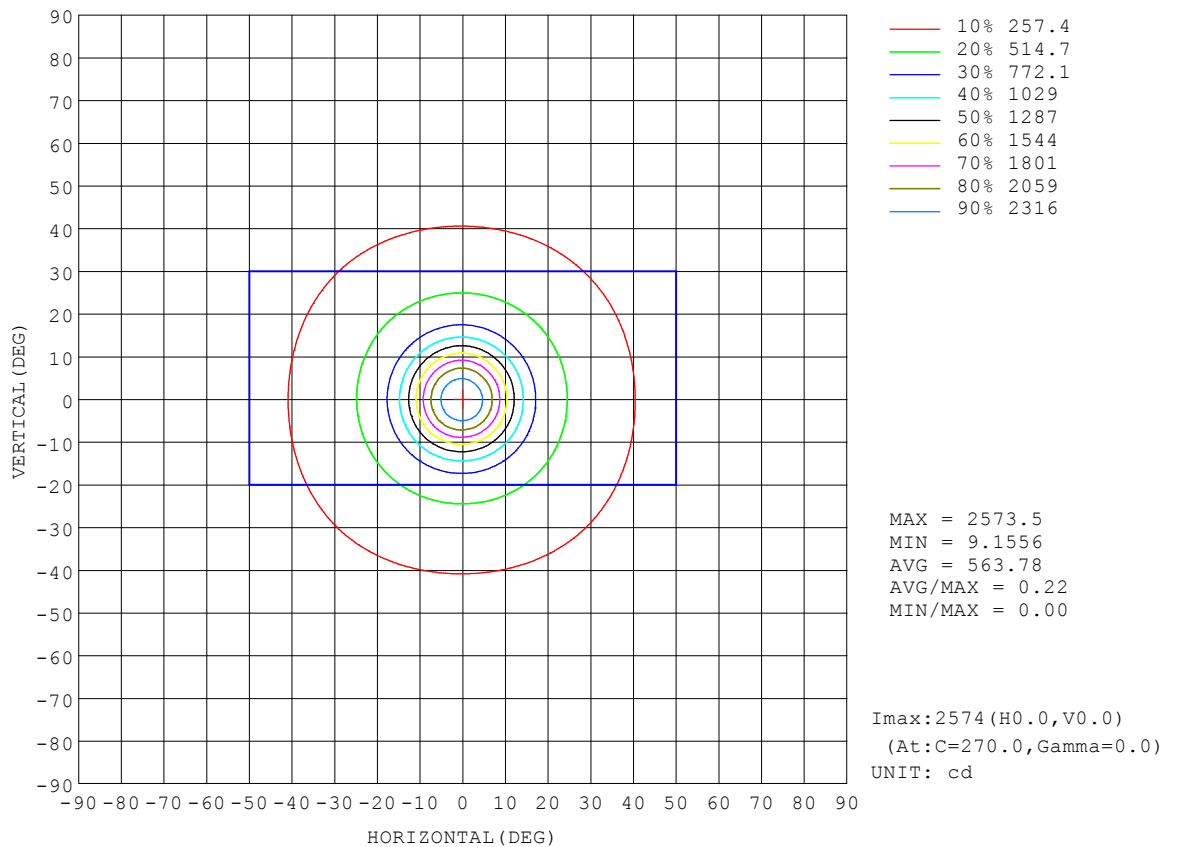
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	78	74	84	77	73	83	77	73	69
0.80	92	86	82	92	86	82	90	85	81	78
1.00	97	91	88	97	91	87	95	91	87	83
1.25	102	96	93	101	96	92	99	95	91	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	105	102	108	104	101	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	108	108	107	105	98
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:2024-10-16

$\gamma$  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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479		Lamp Flux:1074.25x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



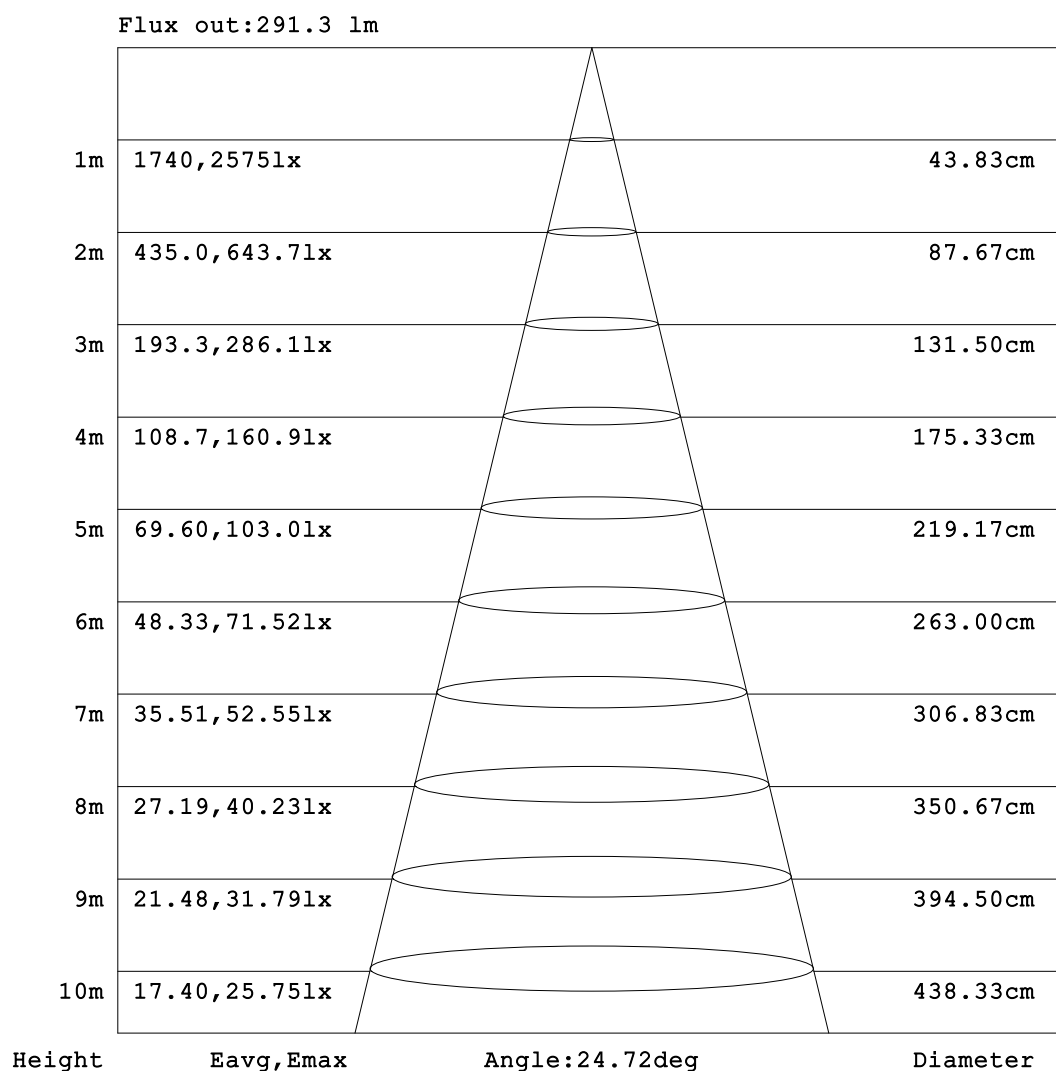
C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-10-16

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:



AAI Figure

Test:U:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479		Lamp Flux:1074.25x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



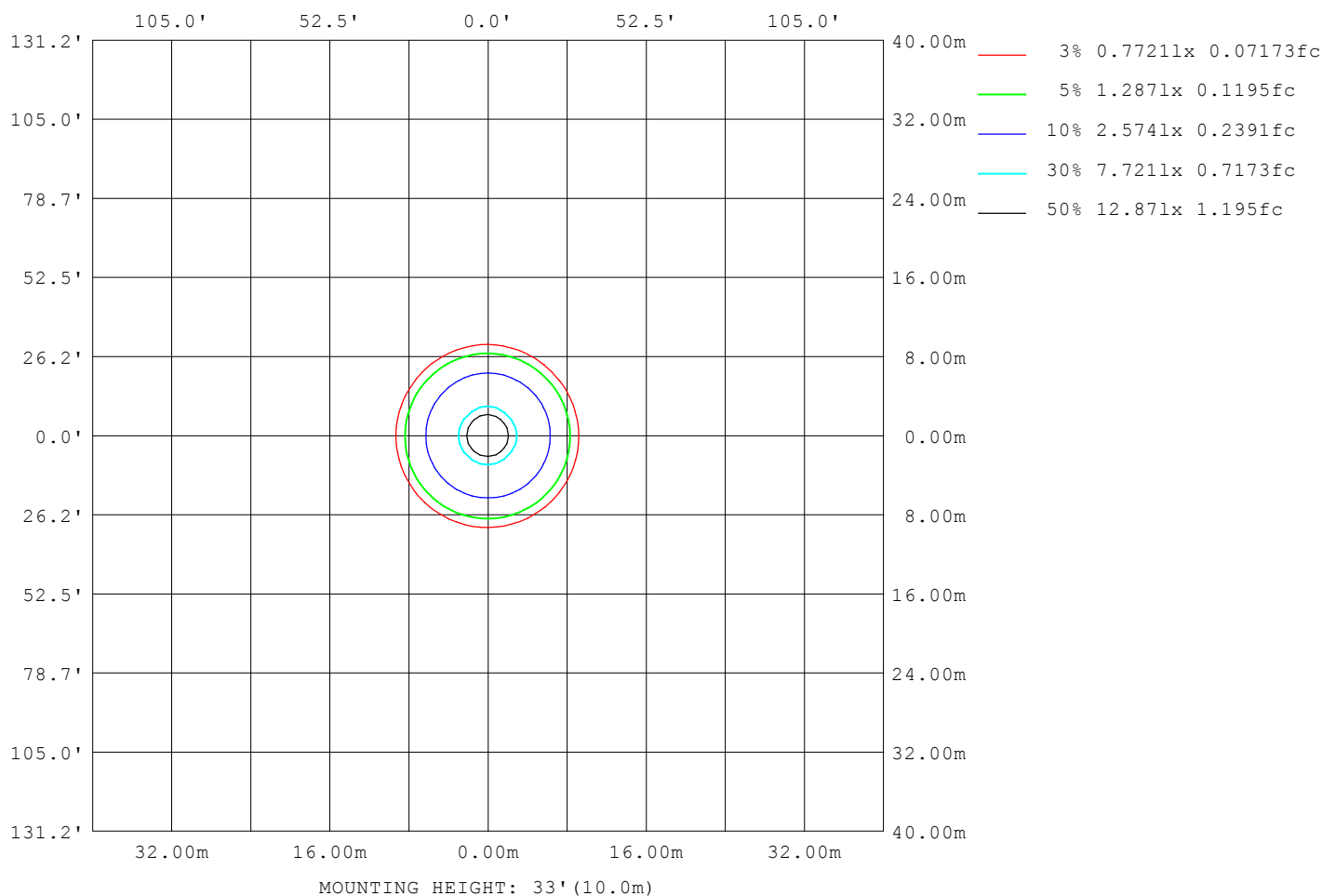
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2024-10-16

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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479		Lamp Flux:1074.25x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 45.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:DAMIN  
 Test Date:2024-10-16

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:240.5V I:0.0442A P:9.9W PF:0.9310 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.07% KDisp:0.9479		Lamp Flux:1074.25x1 lm
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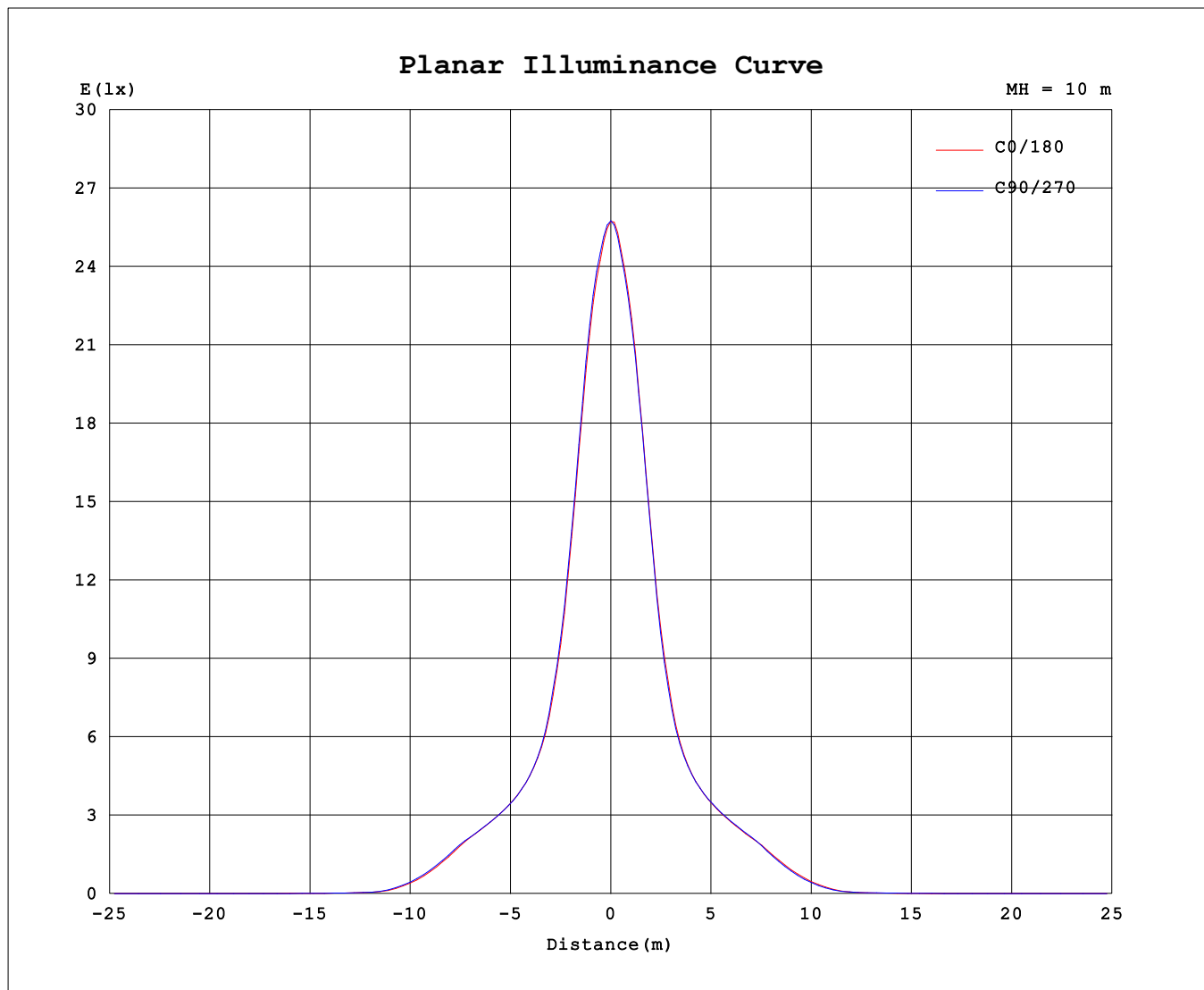
AvgL	cd/m2
L_0~180 (65) av	8275
L_0~180 (75) av	10444
L_0~180 (85) av	17426
L_90~270 (65) av	8177
L_90~270 (75) av	10527
L_90~270 (85) av	18216
L_45 (65) av	8238
L_45 (75) av	10424
L_45 (85) av	17507

Standard: GB/T 29293-2012

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Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 45.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2024-10-16

$\gamma$  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	2574	2574	2574	2574	2574	2574	2574	2574
3.0	2434	2447	2461	2472	2472	2467	2453	2433
6.0	2176	2192	2212	2238	2237	2226	2211	2175
9.0	1751	1765	1782	1835	1838	1838	1826	1770
12.0	1295	1307	1323	1366	1382	1381	1366	1310
15.0	951.0	959.1	969.1	995.2	1010	997.3	982.7	956.5
18.0	715.4	723.6	727.8	743.1	751.0	743.9	734.2	715.8
21.0	593.1	592.8	594.4	601.7	606.7	606.5	601.5	592.6
24.0	523.0	522.8	522.5	526.1	530.2	531.6	530.2	524.5
27.0	478.1	479.6	476.8	479.9	482.0	485.0	484.7	481.7
30.0	445.1	447.7	445.0	446.6	446.9	450.0	450.1	448.3
33.0	415.1	418.8	415.8	417.1	414.2	417.0	418.7	416.5
36.0	377.6	384.2	383.4	384.8	379.5	380.9	380.7	375.5
39.0	300.6	311.0	314.4	321.4	314.4	311.0	304.7	297.9
42.0	206.4	215.0	221.0	227.0	223.9	217.6	212.2	201.2
45.0	115.8	120.6	126.5	134.7	132.8	127.1	121.9	111.9
48.0	42.73	47.13	50.51	56.47	57.60	55.67	48.82	42.74
51.0	19.26	17.92	17.86	21.37	21.25	21.04	21.41	19.38
54.0	12.40	11.71	11.73	12.66	12.59	13.14	13.79	12.61
57.0	8.137	7.762	7.773	8.417	8.418	8.723	8.669	8.032
60.0	6.012	5.835	5.843	6.120	6.022	6.185	6.155	5.968
63.0	4.923	4.891	4.826	4.898	4.857	4.872	4.836	4.803
66.0	4.463	4.461	4.384	4.392	4.354	4.326	4.329	4.364
69.0	4.127	4.126	4.019	4.007	3.983	3.951	4.012	4.041
72.0	3.856	3.838	3.698	3.653	3.629	3.650	3.754	3.761
75.0	3.629	3.650	3.525	3.370	3.399	3.472	3.559	3.537
78.0	3.917	4.086	4.139	3.837	3.948	3.997	3.960	3.859
81.0	3.818	3.918	4.072	3.928	3.964	3.972	3.877	3.672
84.0	2.486	2.527	2.560	2.592	2.593	2.669	2.567	2.439
87.0	0.6064	0.5501	0.5390	0.6519	0.7750	0.8303	0.8127	0.6281
90.0	0.0357	0.0283	0.0395	0.0276	0.0315	0.0296	0.0347	0.0270

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