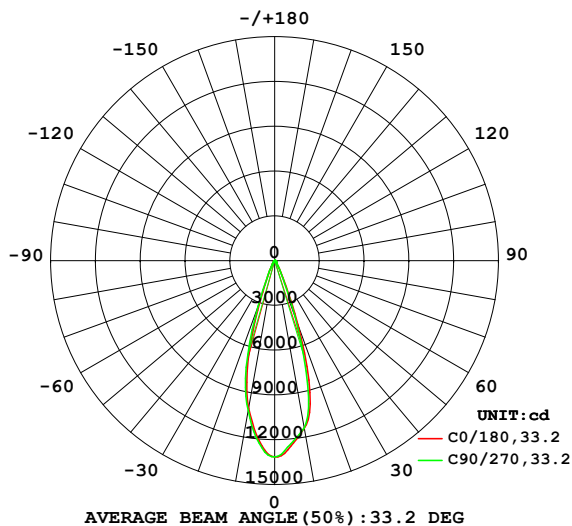


LUMINAIRE PHOTOMETRIC TEST REPORT

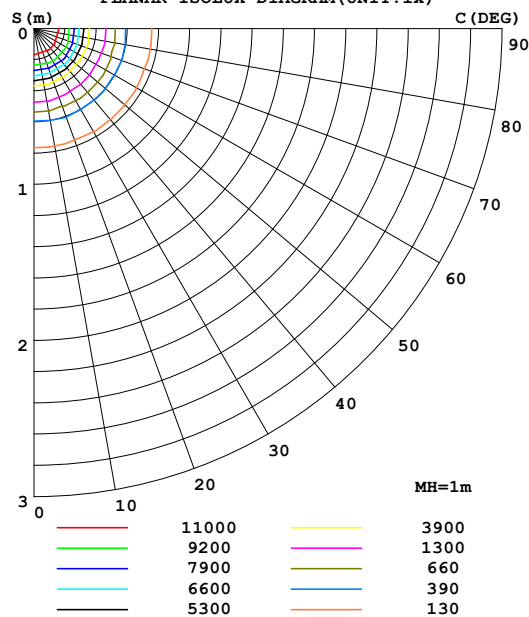
Test:U:240.3V I:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 45WPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.56 lm/W
MODEL		I _{max} (cd)	13156	S/MH(C0/180)	0.48	
NOMINAL POWER(W)	45	LOR(%)	100.0	S/MH(C90/270)	0.49	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	4250.4	η UP,DN(C0-180)	0.0,53.7	
NOMINAL FLUX(lm)	4250.35	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,46.3	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.25	η 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:2024-10-29

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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1141	1158	1138	1089	1006	979.2	1023	1092	0- 10	1125	1125	26.5,26.5
20	461.8	456.3	401.2	345.3	283.1	277.6	326.3	400.1	10- 20	2074	3199	75.3,75.3
30	66.01	68.71	61.84	57.18	46.59	43.67	49.67	60.05	20- 30	679.2	3878	91.2,91.2
40	18.18	18.15	17.11	16.41	15.08	14.83	15.92	17.30	30- 40	195.7	4074	95.9,95.9
50	8.744	8.716	8.341	8.218	7.765	7.454	7.785	8.345	40- 50	90.74	4165	98,98
60	3.996	4.031	3.866	3.776	3.603	3.434	3.559	3.750	50- 60	51.88	4217	99.2,99.2
70	1.619	1.603	1.557	1.478	1.389	1.316	1.391	1.547	60- 70	25.15	4242	99.8,99.8
80	0.2495	0.2362	0.2312	0.2422	0.2270	0.2189	0.2300	0.2385	70- 80	7.471	4249	100,100
90	0.0175	0.0114	0.0193	0.0257	0.0163	0.0125	0.0142	0.0111	80- 90	0.9720	4250	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:X10cd									UNIT:lm		

Conical surface Flux(90deg): 4125.1 lm

%lum = 97.1%

%lamp = 97.1%

Conical surface Flux(120deg): 4216.8 lm

%lum = 99.2%

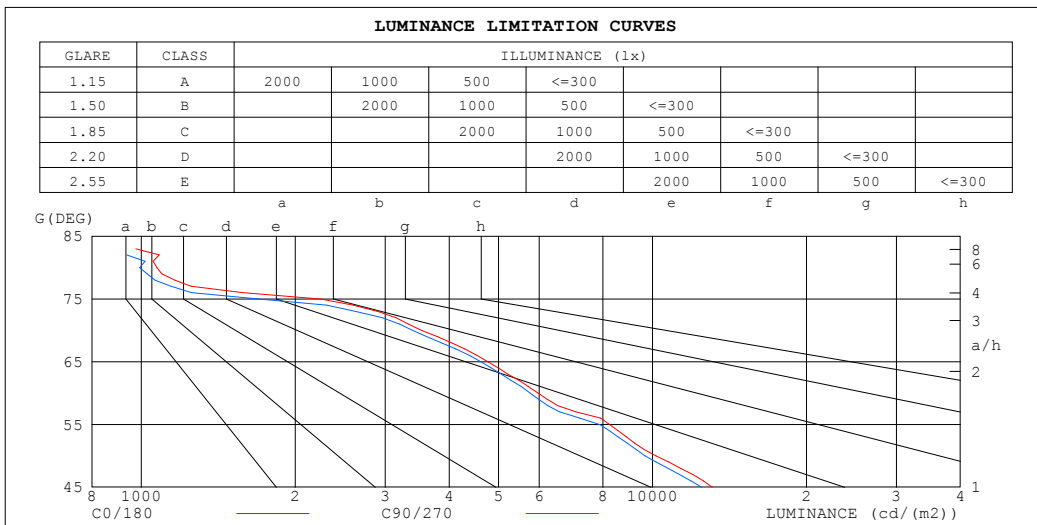
%lamp = 99.2%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-10-29

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:

LUMINANCE LIMITATION CURVES

Test:U:240.3V I:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



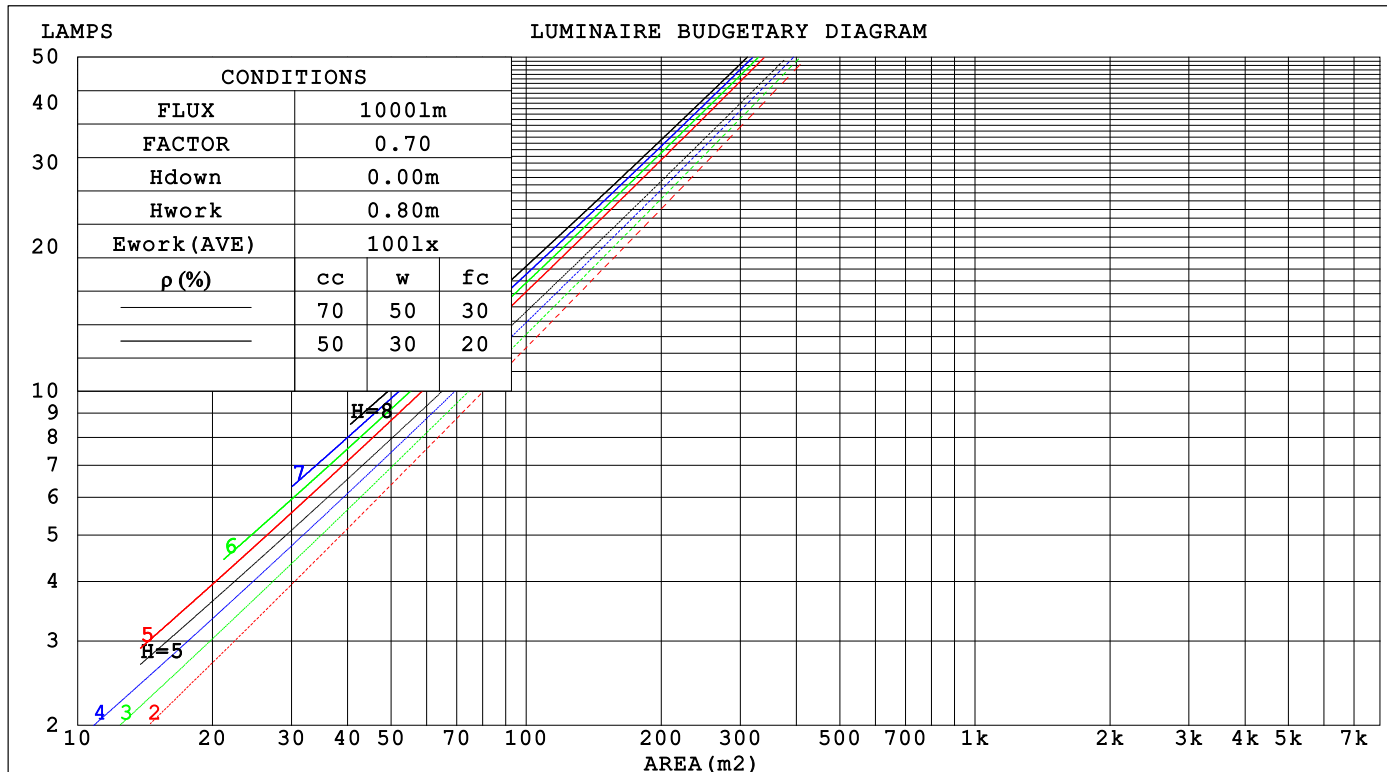
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-10-29

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:240.3V I:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	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	1.07	1.06	1.05	1.03	1.03	1.01	1.00	.99	.98	.97	.96														
2.0	1.06	1.03	1.00	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92														
3.0	1.01	.97	.94	.90	.96	.93	.97	.94	.92	.95	.93	.91	.93	.91	.89	.88														
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84														
5.0	.93	.88	.85	.92	.88	.84	.90	.87	.84	.89	.86	.83	.87	.85	.82	.81														
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.86	.82	.80	.84	.82	.79	.78														
7.0	.86	.81	.78	.85	.81	.78	.84	.80	.77	.83	.79	.77	.82	.79	.77	.75														
8.0	.83	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73														
9.0	.80	.75	.72	.79	.75	.72	.79	.75	.72	.78	.74	.72	.77	.74	.72	.71														
10.0	.77	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.75	.72	.69	.68														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:		WEIGHT:
SPEC.:		SERIAL No.:
MFR.: Norming lighting		Shielding Angle:
SUR.: 131mm		

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	.148	.084	.027	.141	.081	.026	.129	.074	.024	.117	.068	.022	.107	.062	.020		
2.0	.138	.076	.023	.133	.073	.023	.122	.068	.021	.113	.063	.020	.104	.059	.019		
3.0	.129	.069	.021	.125	.067	.020	.116	.063	.019	.108	.059	.018	.101	.056	.017		
4.0	.122	.063	.019	.118	.062	.018	.110	.059	.017	.104	.056	.017	.097	.053	.016		
5.0	.115	.059	.017	.112	.057	.017	.105	.055	.016	.099	.052	.016	.094	.050	.015		
6.0	.109	.055	.016	.106	.054	.015	.101	.052	.015	.095	.050	.015	.091	.048	.014		
7.0	.103	.051	.015	.101	.050	.014	.096	.049	.014	.092	.047	.014	.088	.046	.013		
8.0	.099	.048	.014	.096	.048	.013	.092	.046	.013	.088	.045	.013	.085	.043	.013		
9.0	.094	.046	.013	.092	.045	.013	.089	.044	.012	.085	.043	.012	.082	.042	.012		
10.0	.090	.043	.012	.089	.043	.012	.085	.042	.012	.082	.041	.012	.079	.040	.011		

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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016		
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013		
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011		
4.0	.125	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009		
5.0	.115	.086	.064	.099	.074	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008		
6.0	.107	.076	.054	.092	.066	.047	.063	.046	.033	.037	.027	.020	.012	.009	.007		
7.0	.099	.068	.046	.086	.059	.040	.059	.041	.029	.034	.024	.017	.011	.008	.006		
8.0	.093	.061	.040	.080	.053	.035	.055	.037	.025	.032	.022	.015	.010	.007	.005		
9.0	.088	.056	.035	.075	.049	.030	.052	.034	.021	.030	.020	.013	.010	.007	.004		
10.0	.083	.051	.030	.071	.045	.026	.049	.031	.019	.029	.019	.011	.009	.006	.004		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz UTHDi:0.18% ITHDi:3.98% KDisp:0.9913Lamp Flux:4250.35x1 lm										
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:						WEIGHT:				
SPEC.:						DIM.:		SERIAL No.:		
MFR.: Norming lighting						SUR.: 131mm		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	13.3	14.0	13.5	14.2	14.3	13.1	13.8	13.3	14.0	14.1
3H	13.5	14.2	13.8	14.4	14.6	13.3	14.0	13.6	14.2	14.4
4H	13.5	14.2	13.8	14.4	14.6	13.3	14.0	13.6	14.2	14.4
6H	13.5	14.1	13.7	14.3	14.5	13.3	13.9	13.5	14.1	14.3
8H	13.4	14.0	13.7	14.3	14.5	13.2	13.8	13.5	14.0	14.3
12H	13.4	13.9	13.7	14.2	14.5	13.2	13.7	13.5	14.0	14.3
4H 2H	13.3	14.0	13.6	14.2	14.4	13.2	13.8	13.4	14.0	14.2
3H	13.7	14.2	14.0	14.5	14.7	13.5	14.0	13.8	14.3	14.6
4H	13.7	14.2	14.0	14.5	14.8	13.5	14.0	13.8	14.3	14.6
6H	13.6	14.1	14.0	14.4	14.7	13.4	13.9	13.8	14.2	14.5
8H	13.6	14.0	14.0	14.3	14.7	13.4	13.8	13.8	14.1	14.5
12H	13.5	13.9	13.9	14.3	14.7	13.3	13.7	13.7	14.1	14.5
8H 4H	13.6	14.0	14.0	14.4	14.7	13.4	13.8	13.8	14.2	14.5
6H	13.5	13.9	13.9	14.3	14.7	13.3	13.7	13.8	14.1	14.5
8H	13.5	13.8	13.9	14.2	14.6	13.3	13.6	13.7	14.0	14.4
12H	13.4	13.7	13.9	14.1	14.6	13.2	13.5	13.7	13.9	14.4
12H 4H	13.5	13.9	13.9	14.3	14.7	13.3	13.7	13.8	14.1	14.5
6H	13.5	13.8	13.9	14.2	14.6	13.3	13.6	13.7	14.0	14.4
8H	13.4	13.7	13.9	14.1	14.6	13.2	13.5	13.7	13.9	14.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.4 / - 1.8					+ 1.4 / - 1.9				
1.5H	+ 2.1 / - 1.1					+ 1.9 / - 1.1				
2.0H	+ 2.2 / - 2.0					+ 2.1 / - 1.9				

CIE Pub.117, 4250 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.0)
Area: 0.0134 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

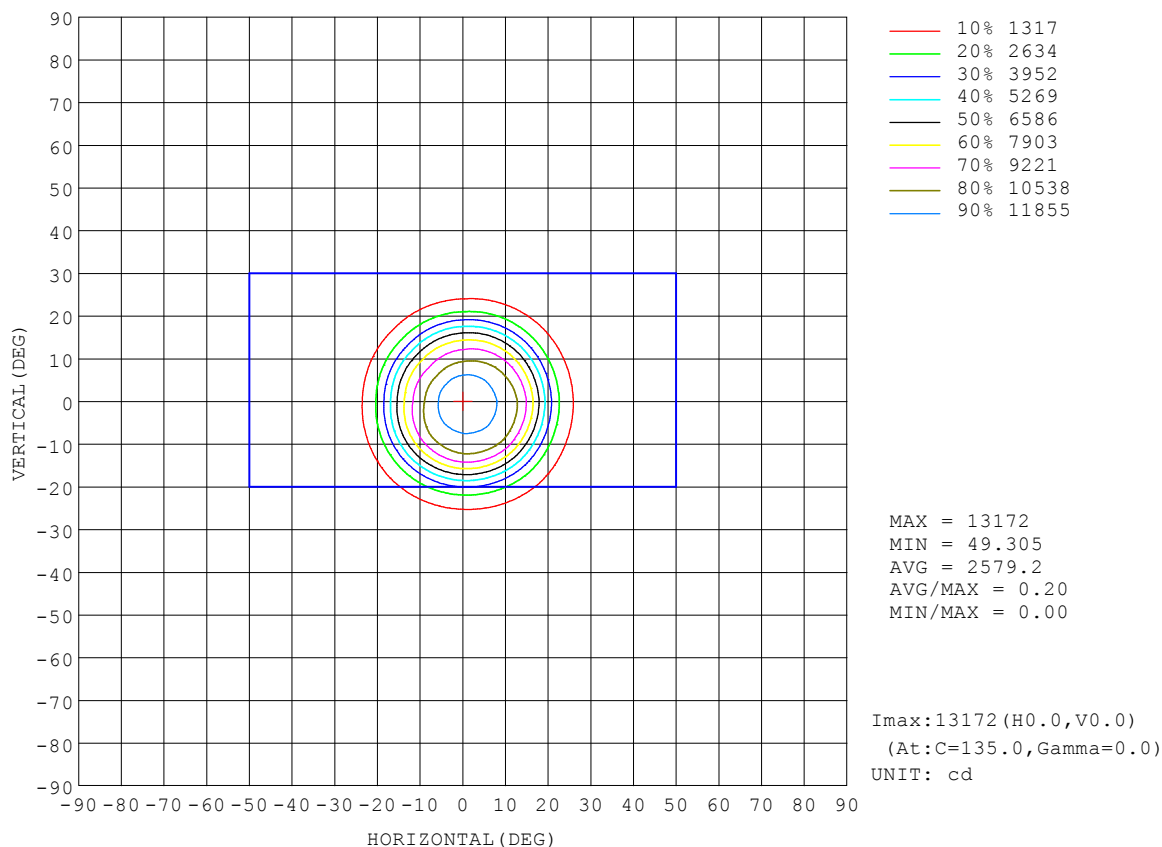
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	89	83	79	88	83	79	88	82	79	76
0.80	96	91	87	95	90	87	94	90	87	83
1.00	100	95	91	99	94	91	98	94	91	87
1.25	104	99	96	103	99	95	101	97	95	91
1.50	107	102	99	105	101	98	103	100	97	93
2.00	109	105	102	108	104	101	105	102	100	95
2.50	111	107	104	109	106	103	106	103	101	96
3.00	112	109	106	110	107	105	107	105	103	97
4.00	114	111	109	112	110	108	109	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: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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:

ISOCANDELA DIAGRAM

Test:U:240.3V I:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

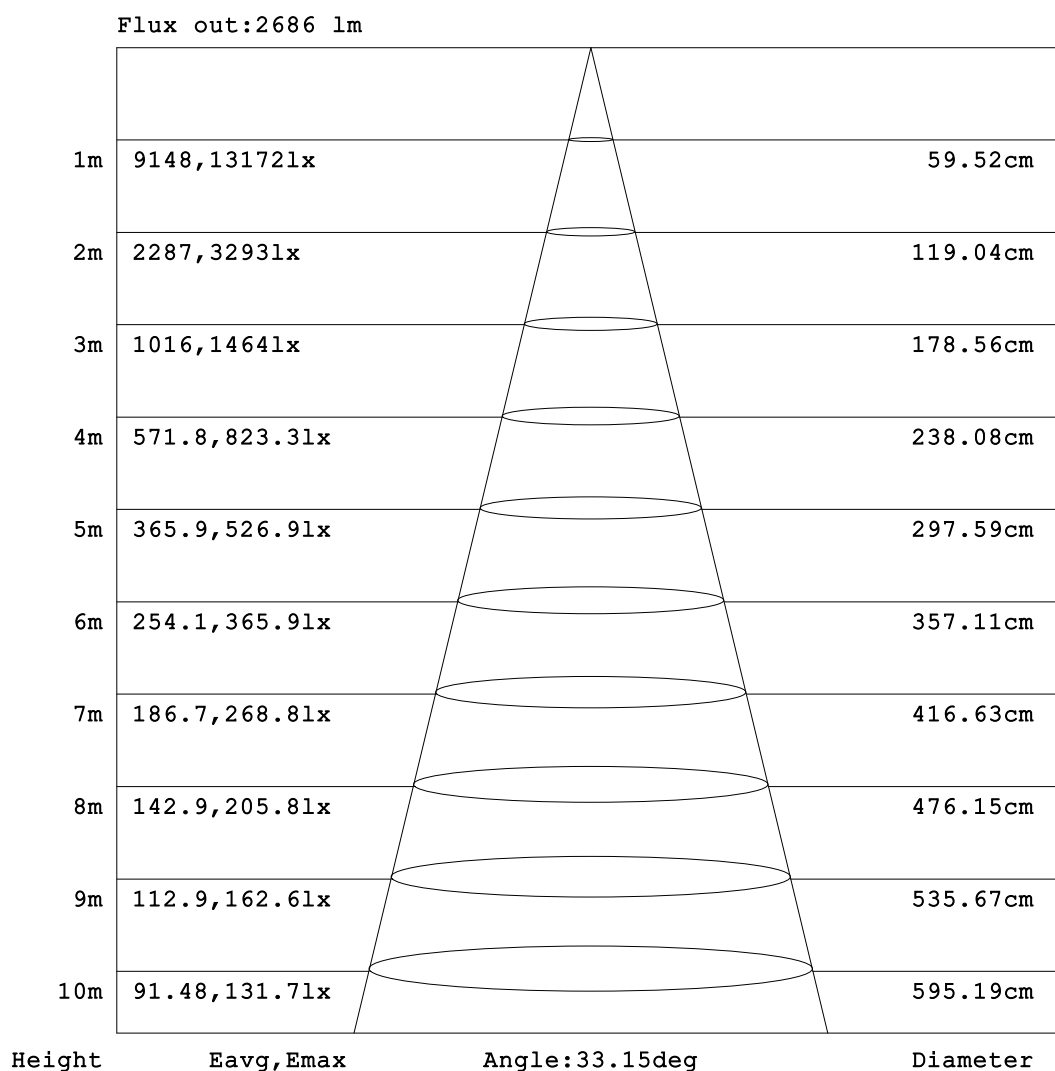


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913		Lamp Flux:4250.35x1 lm
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



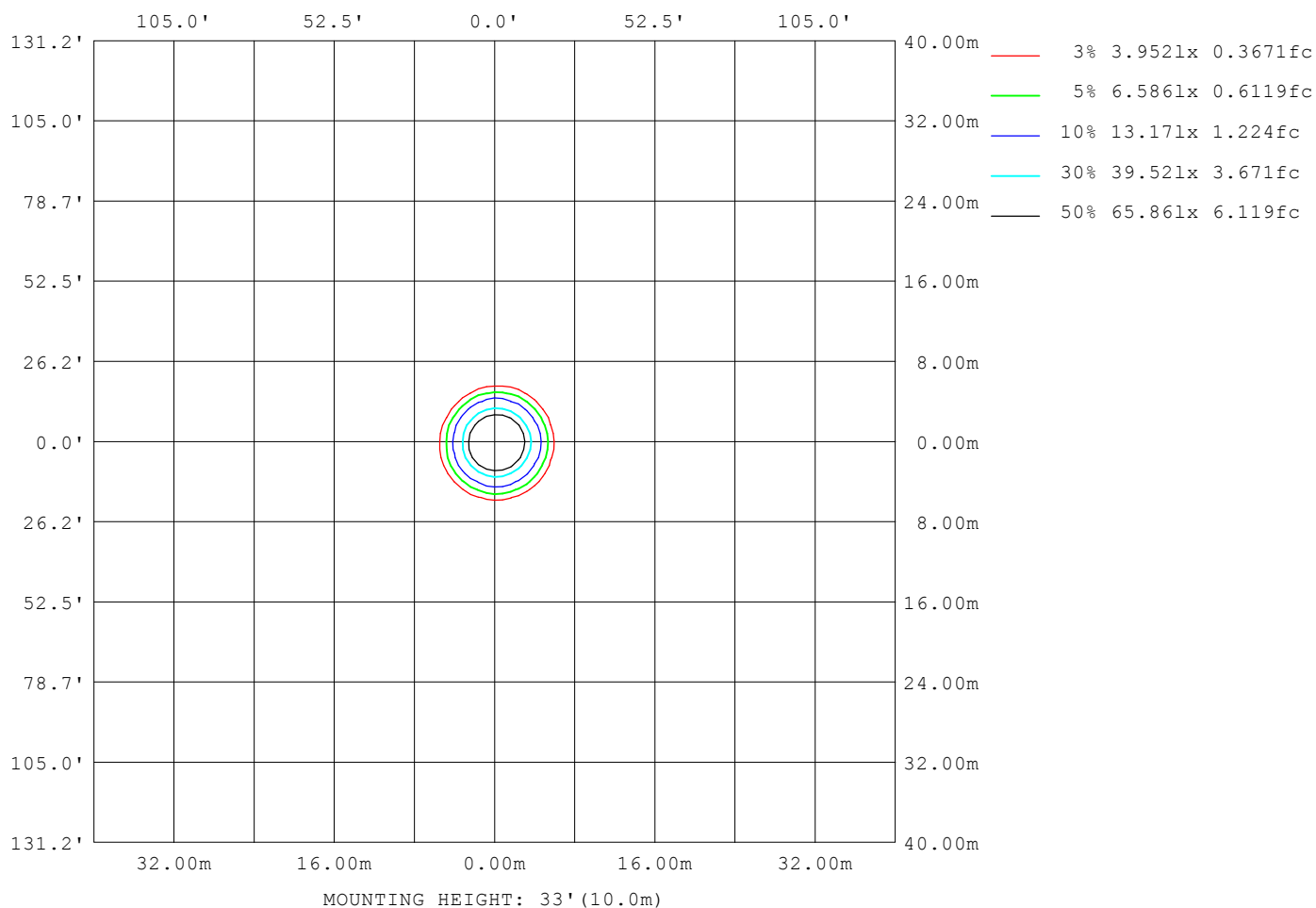
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-10-29

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:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913		Lamp Flux:4250.35x1 lm
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 450PE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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:0.1889A P:44.9W PF:0.9904 Freq:49.99Hz		
UTHDi:0.18% ITHDi:3.98% KDisp:0.9913 Lamp Flux:4250.35x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 3000K RA90 36D 45 TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

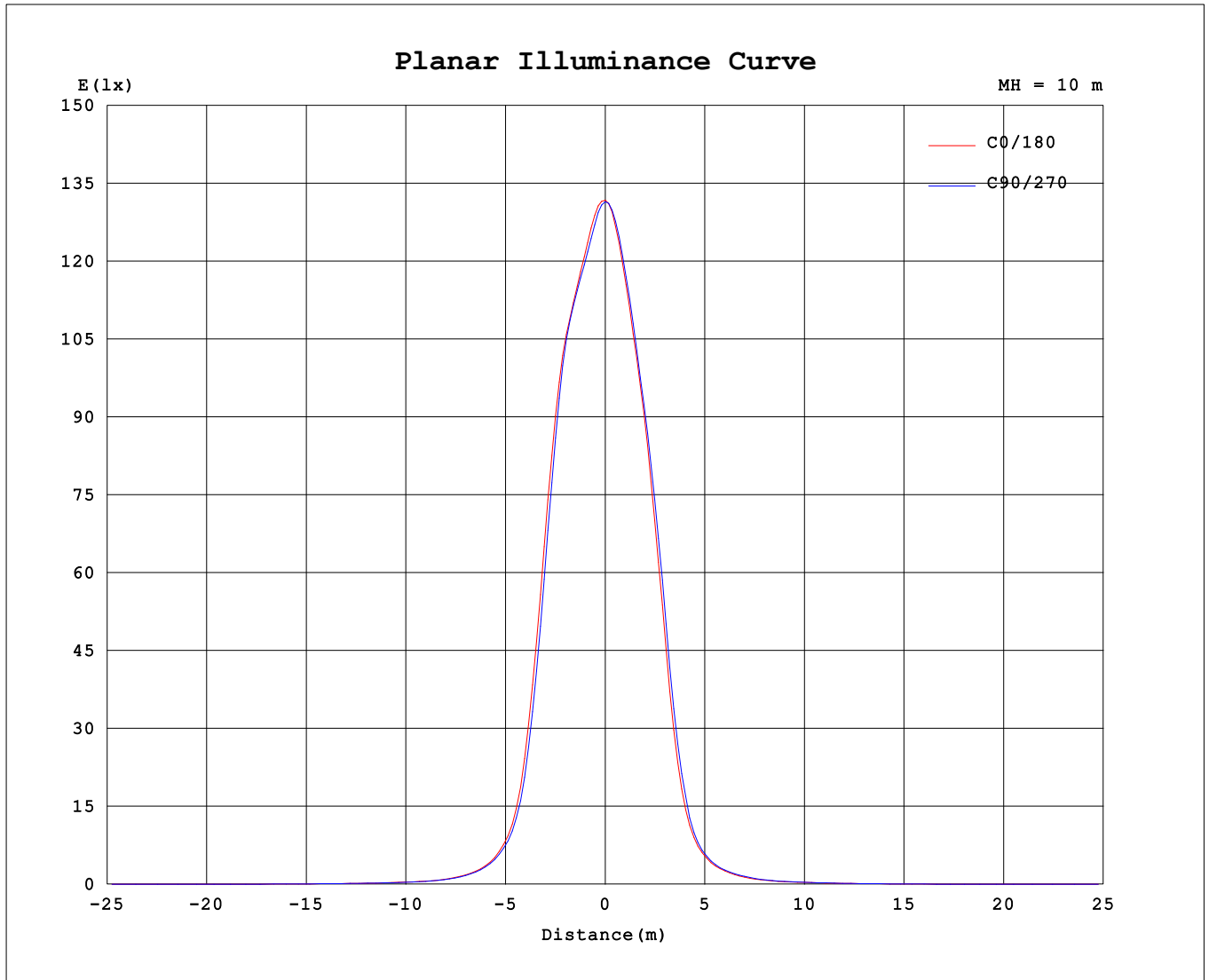
AvgL	cd/m2
L_0~180 (65) av	4489
L_0~180 (75) av	1763
L_0~180 (85) av	557
L_90~270 (65) av	4409
L_90~270 (75) av	1680
L_90~270 (85) av	555
L_45 (65) av	4444
L_45 (75) av	1751
L_45 (85) av	534

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-29

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: 2024-10-29

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:

```

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	13156	13156	13156	13156	13156	13156	13156	13156
3.0	12923	12862	12763	12736	12709	12736	12833	12907
6.0	12264	12204	12135	12032	11726	11688	11904	12192
9.0	11623	11735	11582	11196	10495	10287	10677	11258
12.0	10871	11041	10680	9992	9014	8805	9285	10128
15.0	9152	9204	8586	7828	6874	6788	7394	8294
18.0	6479	6375	5781	5165	4309	4199	4854	5747
21.0	3788	3765	3257	2734	2253	2225	2621	3238
24.0	1921	2000	1683	1442	1188	1119	1311	1623
27.0	1082	1115	983.7	874.0	711.0	664.7	767.1	962.6
30.0	660.1	687.1	618.4	571.8	465.9	436.7	496.7	600.5
33.0	428.4	447.3	407.0	377.3	320.9	313.0	346.0	400.3
36.0	293.2	300.5	277.7	246.5	226.6	225.7	249.4	278.7
39.0	202.9	202.2	189.8	179.1	165.0	163.7	176.7	193.6
42.0	151.5	152.4	144.5	141.4	130.1	127.0	135.1	144.8
45.0	123.8	126.2	118.3	117.4	109.1	107.4	112.5	119.5
48.0	101.6	101.8	96.27	94.63	88.62	86.24	91.61	97.53
51.0	81.11	81.38	78.40	77.10	73.16	70.45	72.49	77.17
54.0	67.33	68.11	64.85	63.33	60.74	58.45	60.17	63.83
57.0	51.58	51.26	47.96	46.74	44.69	42.97	44.88	48.13
60.0	39.96	40.31	38.66	37.76	36.03	34.34	35.59	37.50
63.0	31.71	32.03	30.79	29.62	28.43	27.15	28.22	30.22
66.0	24.68	24.80	23.89	22.70	21.68	20.64	21.67	23.73
69.0	18.17	17.98	17.35	16.44	15.52	14.74	15.59	17.38
72.0	13.00	12.86	12.25	11.55	10.75	10.24	11.06	12.44
75.0	7.780	7.428	5.902	4.895	4.451	4.750	5.751	7.217
78.0	3.235	3.105	2.964	2.935	2.747	2.712	2.891	3.090
81.0	2.207	2.121	2.133	2.211	1.995	1.969	2.122	2.168
84.0	0.9841	0.7883	0.7686	0.8367	0.7146	0.6866	0.8224	0.8522
87.0	0.4641	0.3557	0.3679	0.3180	0.2584	0.2600	0.3881	0.3780
90.0	0.1752	0.1144	0.1926	0.2573	0.1633	0.1246	0.1418	0.1113

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