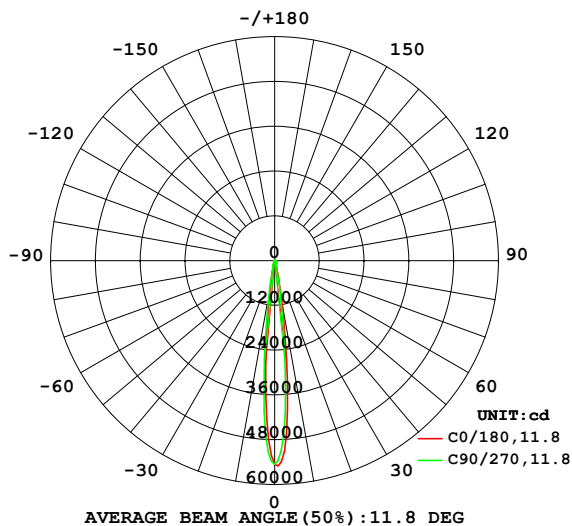


LUMINAIRE PHOTOMETRIC TEST REPORT

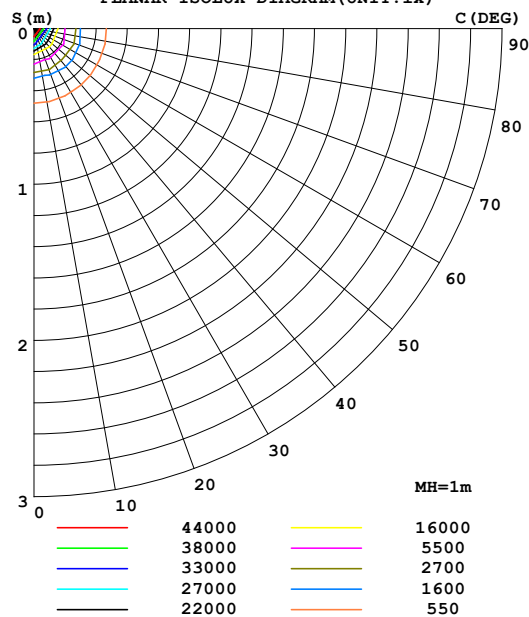
Test:U:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 97.63 lm/W
MODEL		I _{max} (cd)	55017	S/MH(C0/180)		0.18
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)		0.21
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	3886.9	η UP,DN(C0-180)		0.0,52.4
NOMINAL FLUX(lm)	3886.94	CIE CLASS	DIRECT	η UP,DN(C180-360)		0.0,47.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM		0.00
TEST VOLTAGE(V)	240.33	η down (%)	100.0	CIBSE SHR MAX		0.20

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:2024-10-28

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	1095	1029	843.8	696.4	639.8	683.2	804.1	970.8	0- 10	2329	2329	59.9,59.9
20	123.5	120.3	111.5	106.0	100.4	102.5	110.6	121.7	10- 20	791.0	3120	80.3,80.3
30	49.93	48.52	46.44	44.59	42.94	43.40	45.14	48.64	20- 30	329.8	3450	88.8,88.8
40	23.32	23.64	22.30	21.82	21.06	21.27	21.68	22.72	30- 40	201.9	3652	94,94
50	11.55	11.74	11.18	10.86	10.45	10.41	10.67	11.21	40- 50	123.4	3775	97.1,97.1
60	5.286	5.237	5.068	4.788	4.633	4.661	4.703	4.969	50- 60	68.72	3844	98.9,98.9
70	1.912	1.826	1.809	1.655	1.601	1.635	1.689	1.826	60- 70	32.53	3877	99.7,99.7
80	0.3344	0.3087	0.2857	0.2666	0.2629	0.2695	0.2994	0.3113	70- 80	9.082	3886	100,100
90	0.0207	0.0125	0.0215	0.0129	0.0142	0.0137	0.0267	0.0158	80- 90	1.199	3887	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): 3721.6 lm

%lum = 95.7%

%lamp = 95.7%

Conical surface Flux(120deg): 3844.1 lm

%lum = 98.9%

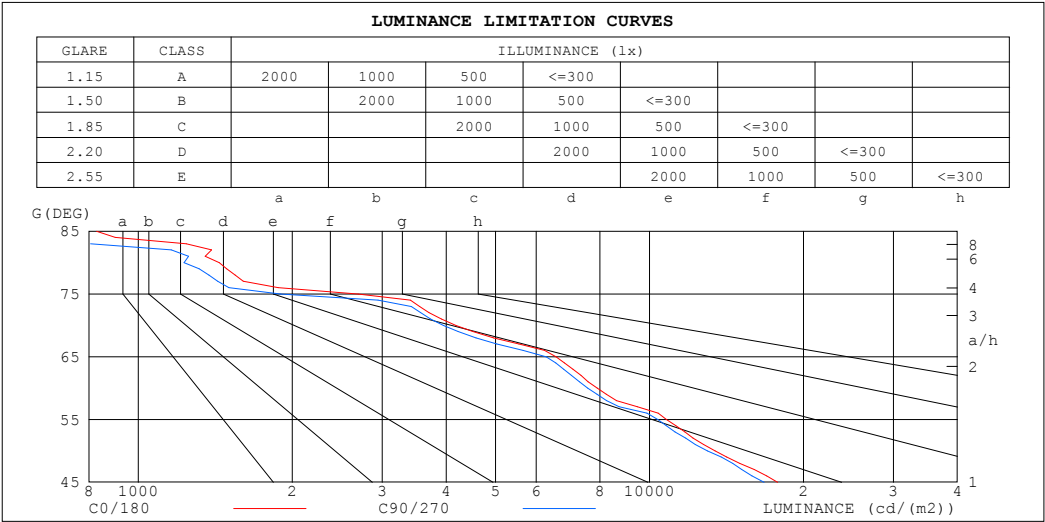
%lamp = 98.9%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	829	673
80	1439	1229
75	2692	1899
70	4177	3951
65	6562	6277
60	7900	7569
55	10798	10376
50	13430	12984
45	17788	16764

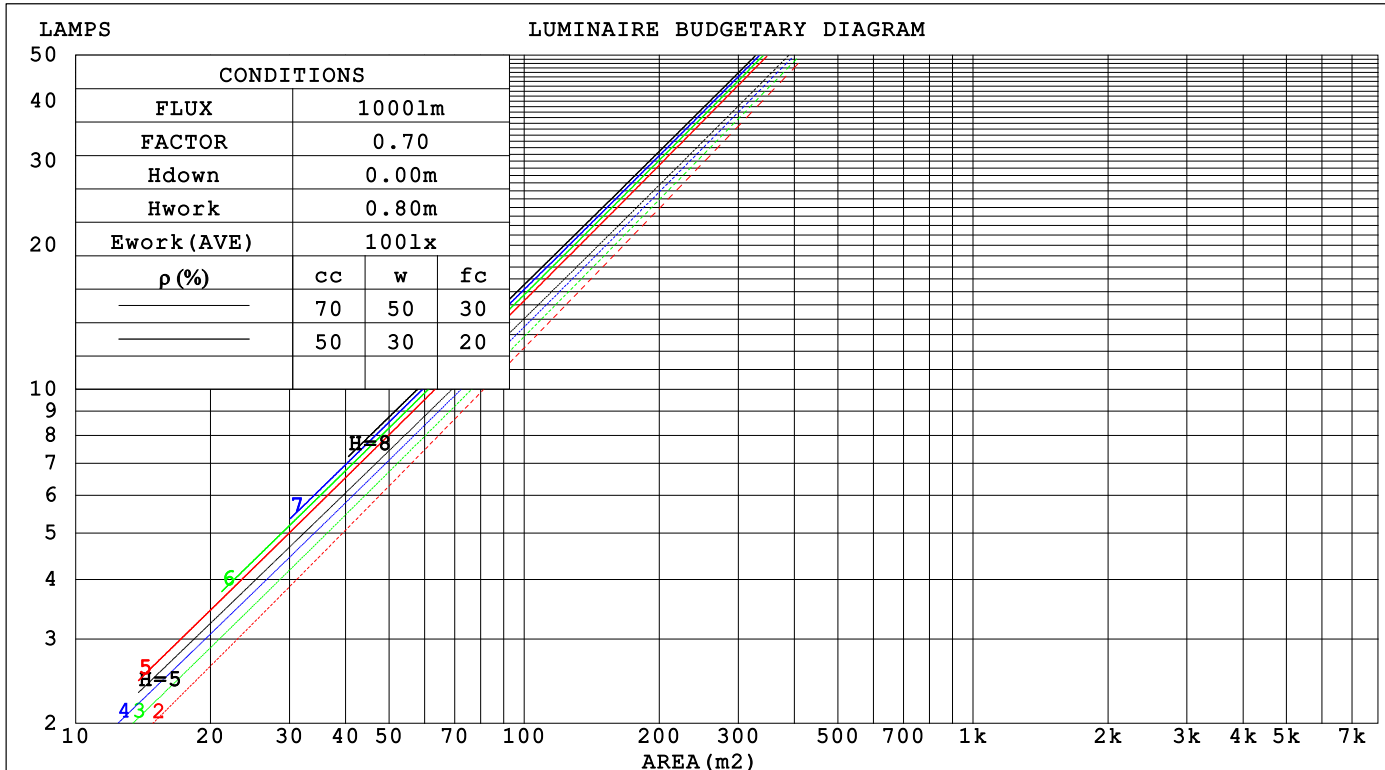
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 4TYPE:		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	1.13	1.11	1.10	1.11	1.09	1.08	1.07	1.06	1.05	1.03	1.03	1.02	1.00	.99	.99	.97
2.0	1.08	1.05	1.03	1.07	1.04	1.02	1.03	1.01	.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.04	1.01	.98	1.03	.00	.97	1.00	.98	.96	.98	.96	.94	.96	.94	.93	.92
4.0	1.00	.97	.94	.99	.96	.93	.97	.95	.92	.96	.93	.91	.94	.92	.90	.89
5.0	.97	.94	.91	.96	.93	.90	.95	.92	.90	.93	.91	.89	.92	.90	.88	.87
6.0	.95	.91	.88	.94	.90	.88	.93	.90	.87	.91	.89	.87	.90	.88	.86	.85
7.0	.92	.89	.86	.92	.88	.86	.91	.88	.85	.90	.87	.85	.89	.86	.84	.84
8.0	.90	.87	.84	.90	.86	.84	.89	.86	.84	.88	.85	.83	.87	.85	.83	.82
9.0	.88	.85	.82	.88	.85	.82	.87	.84	.82	.87	.84	.82	.86	.83	.82	.81
10.0	.87	.83	.81	.86	.83	.81	.86	.83	.81	.85	.82	.80	.85	.82	.80	.79



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:		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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.131	.075	.024	.124	.071	.023	.112	.064	.021	.101	.058	.019	.090	.052	.017		
2.0	.121	.066	.020	.116	.064	.020	.106	.059	.018	.096	.054	.017	.088	.050	.016		
3.0	.112	.060	.018	.108	.058	.017	.099	.054	.016	.091	.050	.015	.084	.047	.014		
4.0	.104	.054	.016	.100	.053	.016	.093	.049	.015	.087	.047	.014	.081	.044	.013		
5.0	.097	.049	.014	.094	.048	.014	.088	.046	.013	.082	.043	.013	.077	.041	.012		
6.0	.091	.045	.013	.088	.044	.013	.083	.042	.012	.078	.041	.012	.074	.039	.012		
7.0	.085	.042	.012	.083	.041	.012	.078	.040	.011	.074	.038	.011	.070	.037	.011		
8.0	.080	.039	.011	.078	.039	.011	.074	.037	.011	.071	.036	.010	.067	.035	.010		
9.0	.076	.037	.010	.074	.036	.010	.071	.035	.010	.068	.034	.010	.065	.033	.009		
10.0	.072	.035	.010	.070	.034	.009	.067	.033	.009	.065	.032	.009	.062	.031	.009		

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	.168	.158	.149	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017		
2.0	.149	.133	.119	.128	.114	.103	.088	.079	.072	.051	.046	.042	.016	.015	.014		
3.0	.134	.113	.097	.115	.098	.084	.079	.068	.059	.046	.040	.035	.015	.013	.011		
4.0	.121	.098	.080	.104	.084	.069	.071	.059	.049	.041	.034	.029	.013	.011	.010		
5.0	.110	.085	.067	.095	.074	.058	.065	.052	.041	.038	.030	.024	.012	.010	.008		
6.0	.101	.075	.057	.086	.065	.049	.060	.046	.035	.035	.027	.021	.011	.009	.007		
7.0	.093	.067	.049	.080	.058	.042	.055	.041	.030	.032	.024	.018	.010	.008	.006		
8.0	.085	.060	.042	.074	.052	.037	.051	.036	.026	.030	.021	.016	.010	.007	.005		
9.0	.079	.054	.037	.068	.047	.032	.047	.033	.023	.028	.019	.014	.009	.006	.005		
10.0	.074	.049	.032	.064	.043	.028	.044	.030	.020	.026	.018	.012	.008	.006	.004		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm										
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:						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	14.9	15.5	15.1	15.7	15.8	14.8	15.3	14.9	15.5	15.6
3H	15.2	15.8	15.4	15.9	16.1	15.0	15.6	15.2	15.7	15.9
4H	15.2	15.8	15.5	16.0	16.2	15.0	15.6	15.3	15.8	16.0
6H	15.2	15.7	15.4	15.9	16.1	15.0	15.5	15.2	15.7	15.9
8H	15.1	15.6	15.4	15.9	16.1	14.9	15.4	15.2	15.7	15.9
12H	15.1	15.6	15.4	15.8	16.1	14.9	15.4	15.2	15.6	15.9
4H 2H	15.0	15.6	15.3	15.8	16.0	14.9	15.4	15.2	15.6	15.8
3H	15.4	15.9	15.7	16.1	16.4	15.2	15.7	15.5	15.9	16.2
4H	15.4	15.8	15.7	16.1	16.4	15.2	15.7	15.6	15.9	16.2
6H	15.3	15.7	15.7	16.1	16.4	15.1	15.5	15.5	15.9	16.2
8H	15.3	15.7	15.7	16.0	16.4	15.1	15.5	15.5	15.8	16.2
12H	15.2	15.6	15.7	16.0	16.3	15.1	15.4	15.5	15.8	16.1
8H 4H	15.3	15.7	15.7	16.0	16.4	15.1	15.5	15.5	15.8	16.2
6H	15.2	15.5	15.7	15.9	16.3	15.1	15.4	15.5	15.7	16.2
8H	15.2	15.5	15.6	15.9	16.3	15.0	15.3	15.4	15.7	16.1
12H	15.1	15.4	15.6	15.8	16.3	14.9	15.2	15.4	15.6	16.1
12H 4H	15.2	15.6	15.7	16.0	16.3	15.1	15.4	15.5	15.8	16.2
6H	15.2	15.5	15.6	15.9	16.3	15.0	15.3	15.4	15.7	16.1
8H	15.1	15.4	15.6	15.8	16.3	15.0	15.2	15.4	15.6	16.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.1 / - 1.7					+ 1.2 / - 1.9				
1.5H	+ 1.4 / - 0.9					+ 1.2 / - 0.9				
2.0H	+ 2.2 / - 1.9					+ 2.2 / - 1.9				

CIE Pub.117, 3887 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.7$)
Area: 0.0134 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

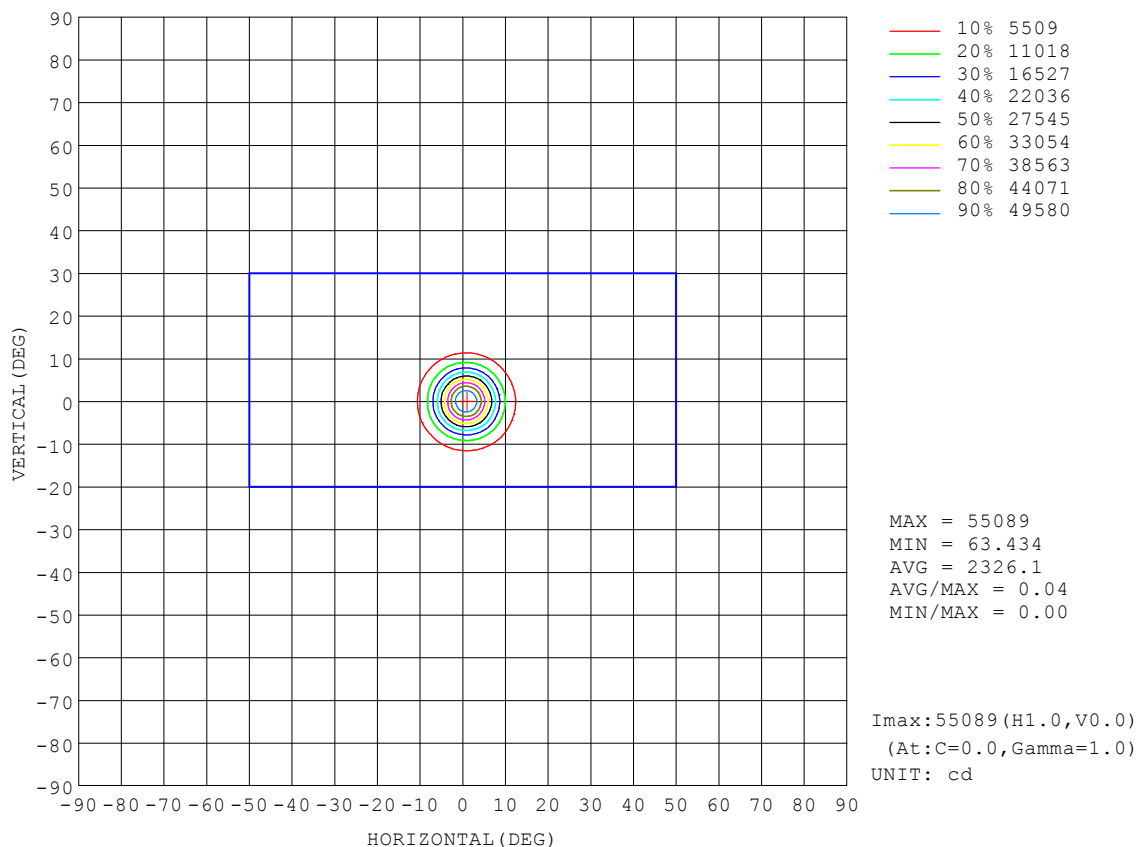
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	81	78	87	81	78	86	81	78	74
0.80	95	89	86	94	89	86	93	88	85	82
1.00	99	94	90	99	93	90	97	93	90	86
1.25	103	98	95	102	98	94	100	97	94	90
1.50	106	101	98	105	101	98	103	99	97	92
2.00	109	105	101	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	104	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: 2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40°	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

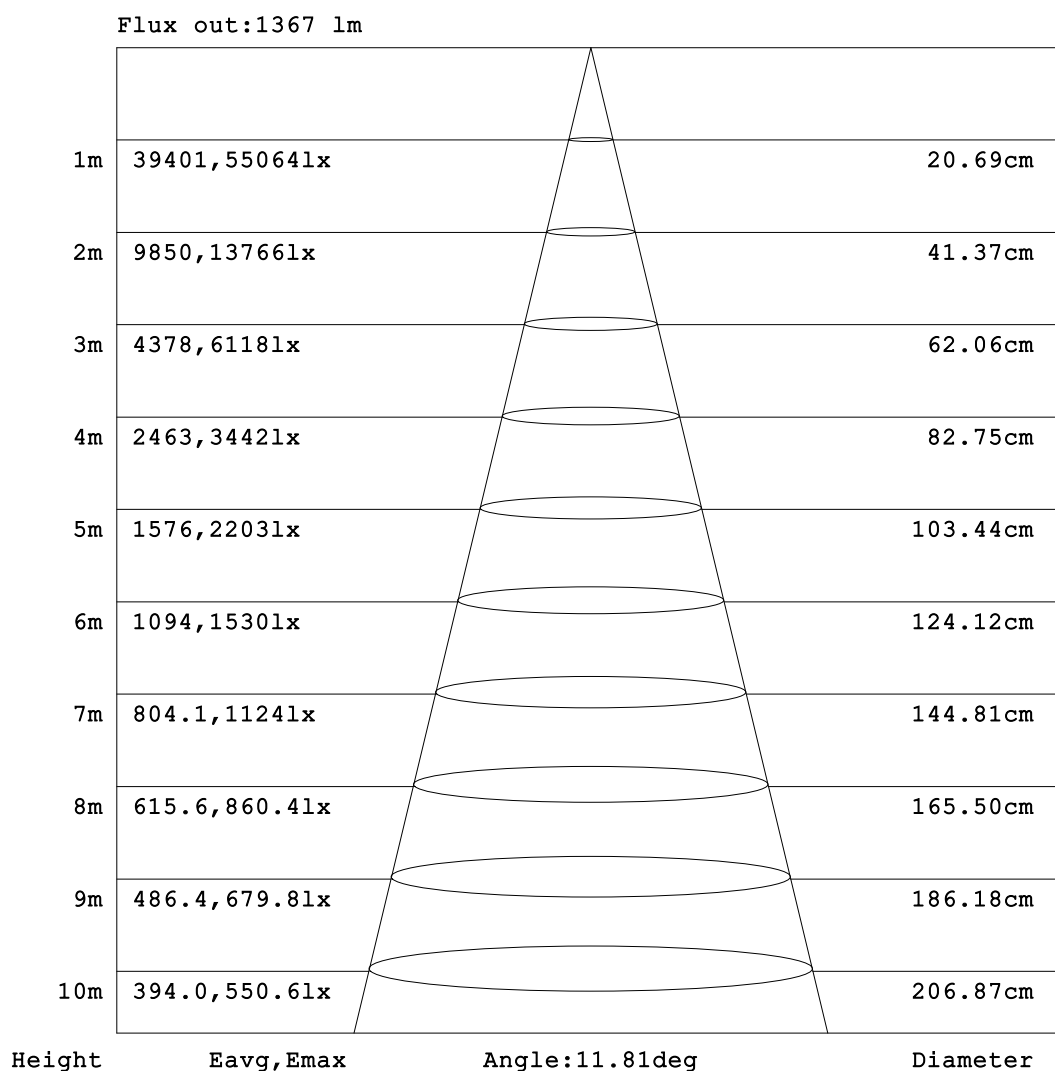


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893		Lamp Flux:3886.94x1 lm
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



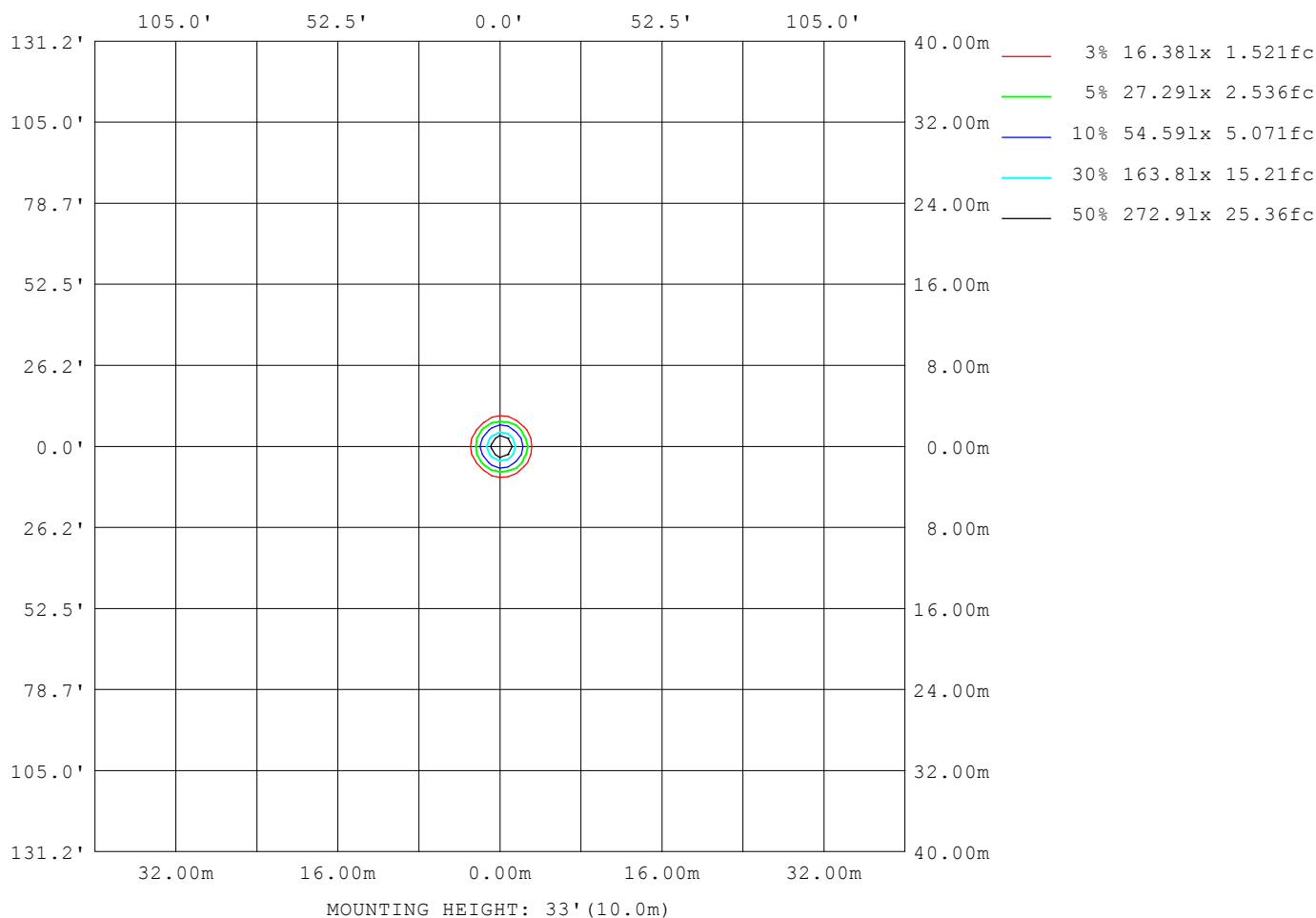
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz		
UTHDi:0.15% ITHDi:4.30% KDisp:0.9893		Lamp Flux:3886.94x1 lm
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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:240.4V I:0.1676A P:39.8W PF:0.9882 Freq:49.99Hz UTHDi:0.15% ITHDi:4.30% KDisp:0.9893 Lamp Flux:3886.94x1 lm		
NAME: FUSION GT-TR03-AHD-045-COB-01SC 2700K RA90 15D 40WPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 131mm	Shielding Angle:

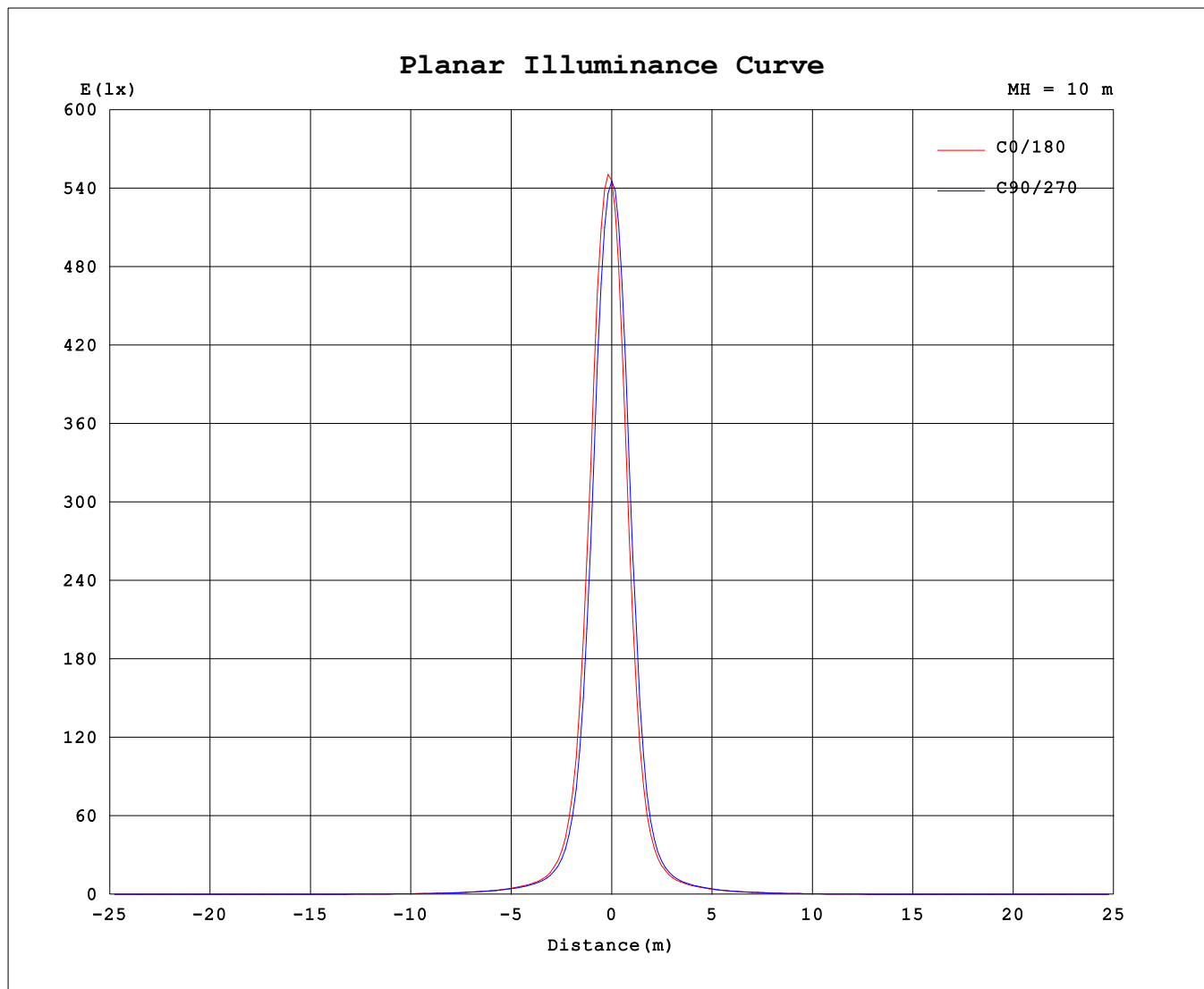
AvgL	cd/m2
L_0~180 (65) av	6019
L_0~180 (75) av	2075
L_0~180 (85) av	699
L_90~270 (65) av	6035
L_90~270 (75) av	1904
L_90~270 (85) av	751
L_45 (65) av	5978
L_45 (75) av	1961
L_45 (85) av	634

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-28

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: 2024-10-28

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	54516	54516	54516	54516	54516	54516	54516	54516
3.0	51077	49561	46869	43848	42098	43478	46877	49977
6.0	32833	30639	26874	23349	21505	22856	26556	30918
9.0	14962	13907	11395	9535	8616	9701	11082	13343
12.0	6108	5845	4805	3986	3754	3967	4495	5353
15.0	2881	2822	2394	2090	2038	2077	2282	2604
18.0	1621	1592	1429	1322	1249	1285	1403	1553
21.0	1106	1075	1004	962.3	911.2	926.3	996.7	1098
24.0	834.5	807.7	763.4	738.8	704.6	711.9	755.3	830.4
27.0	648.2	628.2	595.2	573.1	547.7	553.9	583.4	635.9
30.0	499.3	485.2	464.4	445.9	429.4	434.0	451.4	486.4
33.0	393.0	388.3	371.8	358.0	346.5	349.5	358.9	382.3
36.0	314.5	314.2	301.2	289.7	280.4	283.1	289.6	305.2
39.0	248.9	252.0	239.1	233.0	225.0	227.6	232.2	241.9
42.0	203.6	205.9	194.8	191.1	184.5	186.1	189.1	197.5
45.0	168.3	167.8	158.7	154.3	149.0	149.2	154.9	164.3
48.0	134.6	135.6	130.4	127.0	122.5	122.5	123.7	130.2
51.0	107.5	108.8	103.6	100.6	97.09	97.11	99.50	104.2
54.0	88.48	88.54	84.82	81.82	79.38	79.23	81.53	85.40
57.0	68.96	66.60	63.54	60.40	58.05	58.09	59.31	63.17
60.0	52.86	52.37	50.68	47.88	46.33	46.61	47.03	49.69
63.0	43.01	42.19	41.27	38.58	37.43	37.75	38.18	40.52
66.0	33.91	32.36	30.79	27.84	26.43	26.85	28.66	31.38
69.0	21.63	20.59	20.26	18.48	17.83	18.18	19.11	20.54
72.0	15.32	14.76	14.75	13.53	13.14	13.40	13.82	14.81
75.0	9.324	8.104	6.580	5.380	5.070	5.363	6.625	8.352
78.0	4.307	4.069	3.826	3.555	3.447	3.569	3.959	4.080
81.0	2.830	2.691	2.628	2.372	2.316	2.421	2.779	2.697
84.0	1.261	1.017	0.9612	0.7908	0.8522	0.8485	1.178	1.141
87.0	0.6019	0.4491	0.4515	0.2829	0.2840	0.3193	0.5819	0.5118
90.0	0.2066	0.1247	0.2154	0.1287	0.1425	0.1369	0.2675	0.1581

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