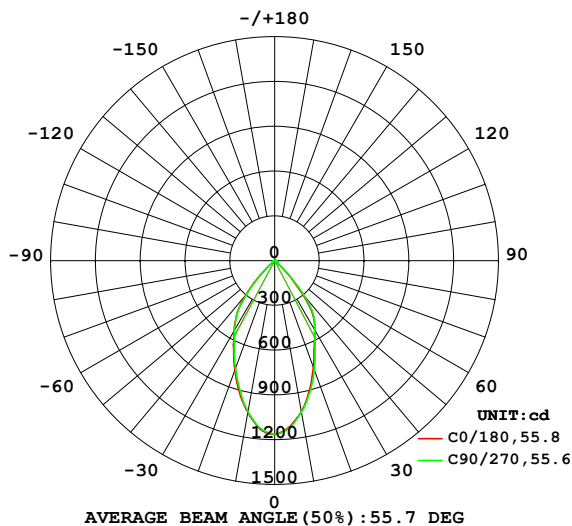


LUMINAIRE PHOTOMETRIC TEST REPORT

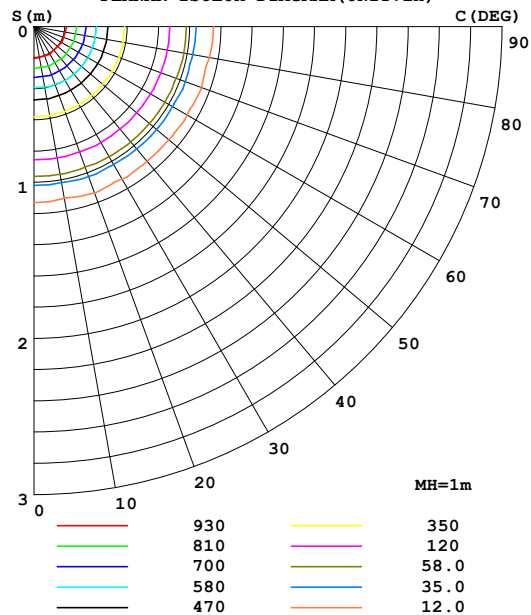
Test:U:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 107.61 lm/W
MODEL		Imax (cd)	1163	S/MH(C0/180)	0.81	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.80	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1065.0	η UP,DN(C0-180)	0.0,50.2	
NOMINAL FLUX(lm)	1064.98	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.8	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	240.41	η down (%)	100.0	CIBSE SHR MAX	0.95	

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

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	1029	1034	1032	1035	1035	1031	1028	1024	0- 10	104.3	104.3	9.79,9.79
20	760.6	776.1	778.1	778.1	782.0	777.3	768.2	755.6	10- 20	252.7	357.0	33.5,33.5
30	539.5	539.7	539.0	545.0	546.0	544.9	540.3	536.2	20- 30	296.4	653.4	61.4,61.4
40	285.0	302.0	312.6	314.4	302.8	290.7	283.4	275.4	30- 40	272.0	925.4	86.9,86.9
50	25.73	25.32	25.69	25.92	27.08	26.03	25.25	25.50	40- 50	102.4	1028	96.5,96.5
60	15.40	15.06	14.92	14.81	14.40	13.97	14.26	14.84	50- 60	16.25	1044	98,98
70	9.533	9.164	8.968	8.971	9.657	10.11	10.10	9.681	60- 70	12.14	1056	99.2,99.2
80	4.169	3.849	3.555	3.427	3.656	4.011	4.206	4.108	70- 80	6.883	1063	99.8,99.8
90	0.0366	0.0337	0.0402	0.0322	0.0373	0.0360	0.0379	0.0351	80- 90	1.835	1065	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): 1001.7 lm

%lum = 94.1%

%lamp = 94.1%

Conical surface Flux(120deg): 1044.1 lm

%lum = 98.0%

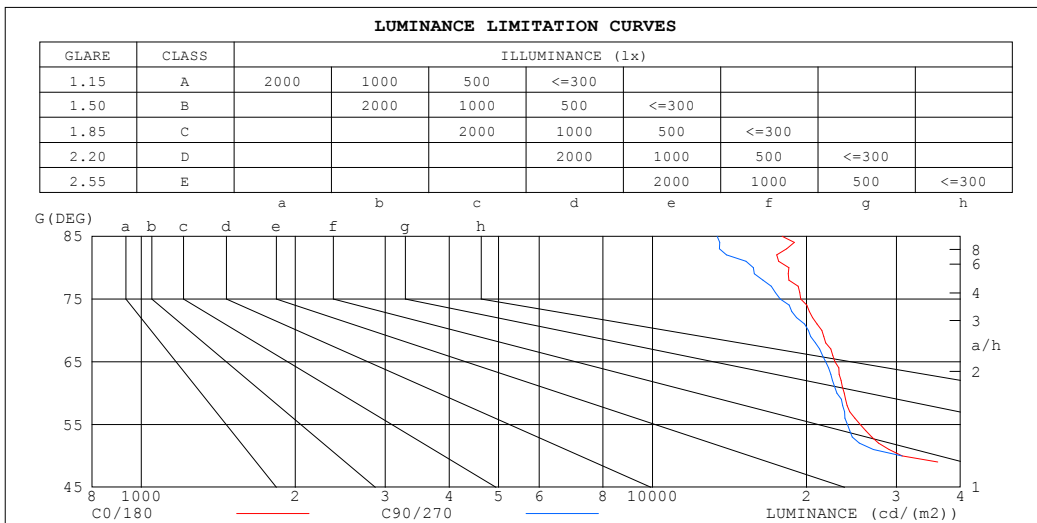
%lamp = 98.0%

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:

LUMINANCE LIMITATION CURVES

Test:U:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz			Lamp Flux:1064.98x1 lm		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481					
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D			LWTYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Norming lighting			SUR.: 41mm		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17933	13377
80	18477	15745
75	19482	17787
70	21451	20167
65	22742	21825
60	23708	22945
55	25473	24052
50	30806	30741
45	122540	142948

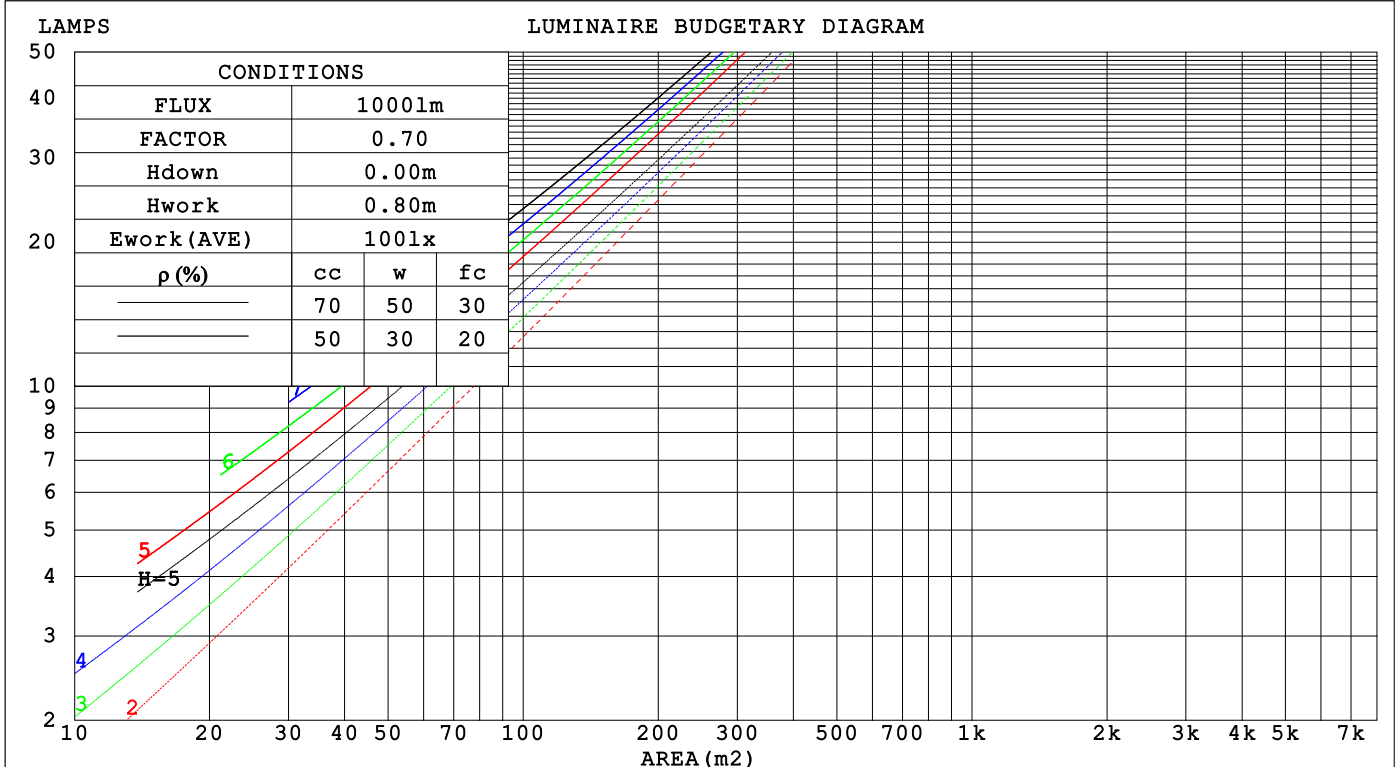
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-16

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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	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															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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	.99	.97	.97	.95	.94	.92														
2.0	1.02	.97	.94	.90	.96	.93	.97	.93	.91	.94	.91	.89	.91	.89	.87	.85														
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.82	.88	.84	.81	.85	.82	.80	.78														
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.76	.82	.78	.75	.80	.77	.74	.72														
5.0	.81	.75	.70	.80	.75	.70	.79	.73	.69	.77	.72	.69	.75	.71	.68	.67														
6.0	.76	.69	.65	.75	.69	.65	.73	.68	.64	.72	.67	.64	.71	.67	.63	.62														
7.0	.71	.65	.60	.70	.64	.60	.69	.63	.60	.68	.63	.59	.67	.62	.59	.57														
8.0	.66	.60	.56	.66	.60	.56	.65	.59	.55	.64	.59	.55	.63	.58	.55	.53														
9.0	.62	.56	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.50														
10.0	.59	.53	.49	.58	.53	.49	.58	.52	.48	.57	.52	.48	.56	.51	.48	.47														



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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz			UTHDi:0.17% ITHDi:19.01% KDisp:0.9481			Lamp Flux:1064.98x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D			LOTTYPE:			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	.192	.109	.035	.185	.106	.034	.172	.099	.032	.161	.093	.030	.150	.087	.028	
2.0	.184	.101	.031	.178	.098	.030	.168	.093	.029	.158	.088	.028	.149	.084	.026	
3.0	.175	.093	.028	.170	.091	.027	.161	.087	.027	.153	.084	.026	.145	.080	.025	
4.0	.167	.087	.025	.163	.085	.025	.155	.082	.024	.147	.079	.024	.140	.076	.023	
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.142	.075	.022	.135	.072	.022	
6.0	.151	.076	.022	.148	.075	.022	.142	.073	.021	.136	.071	.021	.131	.069	.020	
7.0	.144	.071	.020	.141	.070	.020	.136	.069	.020	.131	.067	.020	.126	.065	.019	
8.0	.138	.067	.019	.135	.067	.019	.130	.065	.019	.126	.064	.018	.121	.062	.018	
9.0	.132	.064	.018	.129	.063	.018	.125	.062	.018	.121	.061	.017	.117	.059	.017	
10.0	.126	.060	.017	.124	.060	.017	.120	.059	.017	.116	.058	.016	.113	.057	.016	

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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.158	.132	.111	.135	.114	.096	.093	.079	.067	.053	.046	.039	.017	.015	.013	
3.0	.146	.114	.088	.125	.098	.076	.086	.068	.053	.050	.040	.031	.016	.013	.010	
4.0	.137	.099	.071	.117	.086	.061	.081	.060	.043	.047	.035	.026	.015	.011	.008	
5.0	.128	.088	.058	.110	.076	.050	.076	.053	.036	.044	.031	.021	.014	.010	.007	
6.0	.121	.079	.048	.104	.068	.042	.072	.048	.030	.042	.028	.018	.013	.009	.006	
7.0	.115	.071	.041	.099	.062	.035	.068	.043	.025	.040	.025	.015	.013	.008	.005	
8.0	.109	.065	.035	.094	.056	.030	.065	.040	.022	.038	.023	.013	.012	.008	.004	
9.0	.104	.060	.030	.090	.052	.026	.062	.037	.019	.036	.022	.011	.012	.007	.004	
10.0	.100	.056	.026	.086	.048	.023	.060	.034	.016	.035	.020	.010	.011	.007	.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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz UTHDi:0.17% ITHDi:19.01% KDisp:0.9481Lamp Flux:1064.98x1 lm										
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D						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	25.9	26.9	26.1	27.1	27.2	26.1	27.1	26.3	27.3	27.4
3H	25.8	26.8	26.1	27.0	27.2	26.0	26.9	26.2	27.1	27.3
4H	25.8	26.7	26.1	26.9	27.1	25.9	26.8	26.2	27.1	27.3
6H	25.8	26.6	26.1	26.8	27.1	25.9	26.7	26.2	27.0	27.2
8H	25.7	26.5	26.0	26.8	27.1	25.9	26.7	26.2	26.9	27.2
12H	25.7	26.5	26.0	26.7	27.0	25.8	26.6	26.2	26.9	27.2
4H 2H	25.7	26.5	25.9	26.8	27.0	25.8	26.7	26.1	27.0	27.2
3H	25.6	26.4	26.0	26.7	27.0	25.8	26.6	26.1	26.9	27.1
4H	25.7	26.3	26.0	26.6	27.0	25.8	26.5	26.2	26.8	27.1
6H	25.7	26.3	26.0	26.6	26.9	25.8	26.4	26.2	26.7	27.1
8H	25.6	26.2	26.0	26.6	26.9	25.8	26.3	26.2	26.7	27.1
12H	25.6	26.2	26.1	26.5	26.9	25.7	26.3	26.2	26.6	27.0
8H 4H	25.6	26.1	26.0	26.5	26.8	25.7	26.3	26.1	26.6	27.0
6H	25.6	26.1	26.0	26.5	26.9	25.7	26.2	26.2	26.6	27.0
8H	25.6	26.0	26.1	26.4	26.9	25.7	26.1	26.2	26.5	27.0
12H	25.6	26.0	26.1	26.4	26.9	25.7	26.1	26.2	26.5	27.0
12H 4H	25.5	26.0	25.9	26.4	26.8	25.7	26.2	26.1	26.6	27.0
6H	25.6	26.0	26.0	26.4	26.8	25.7	26.1	26.1	26.5	27.0
8H	25.6	25.9	26.1	26.4	26.8	25.7	26.0	26.2	26.5	27.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.5 / - 6.2					+ 2.6 / - 6.8				
1.5H	+ 4.7 / - 6.2					+ 4.8 / - 6.9				
2.0H	+ 5.3 / - 1.7					+ 6.1 / - 2.2				

CIE Pub.117, 1065 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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

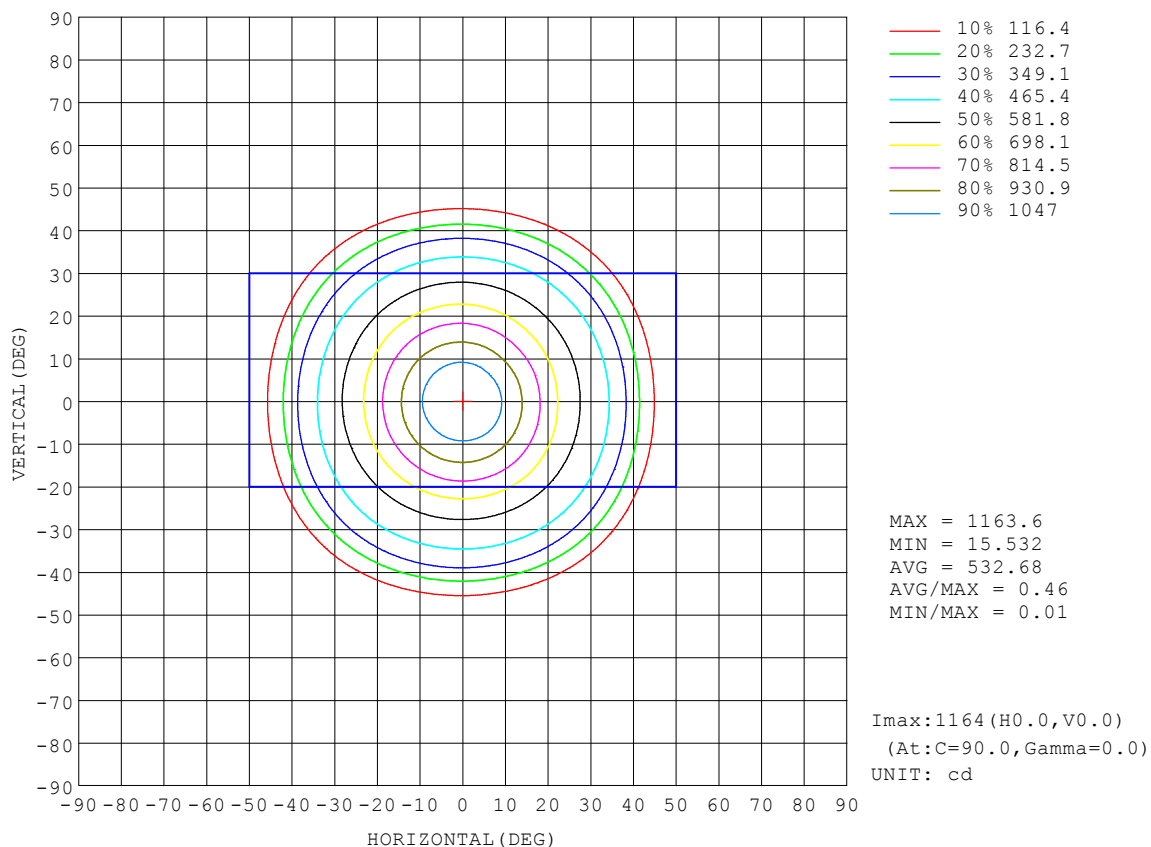
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	84	81	89	84	80	76
1.00	97	90	86	96	90	86	94	90	86	81
1.25	101	95	91	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	100	97	93	89
2.00	107	103	99	106	102	98	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	97
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

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:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

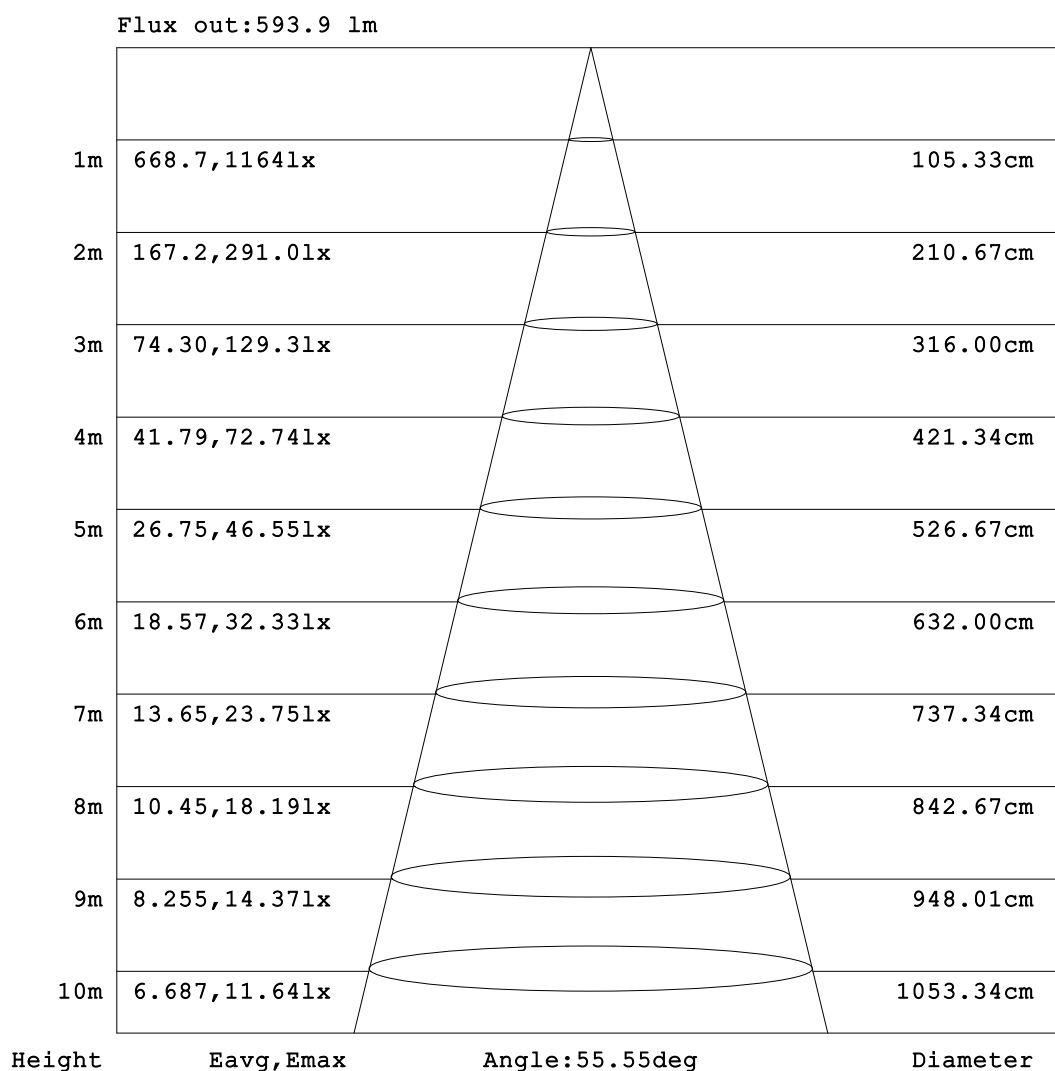


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-16

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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



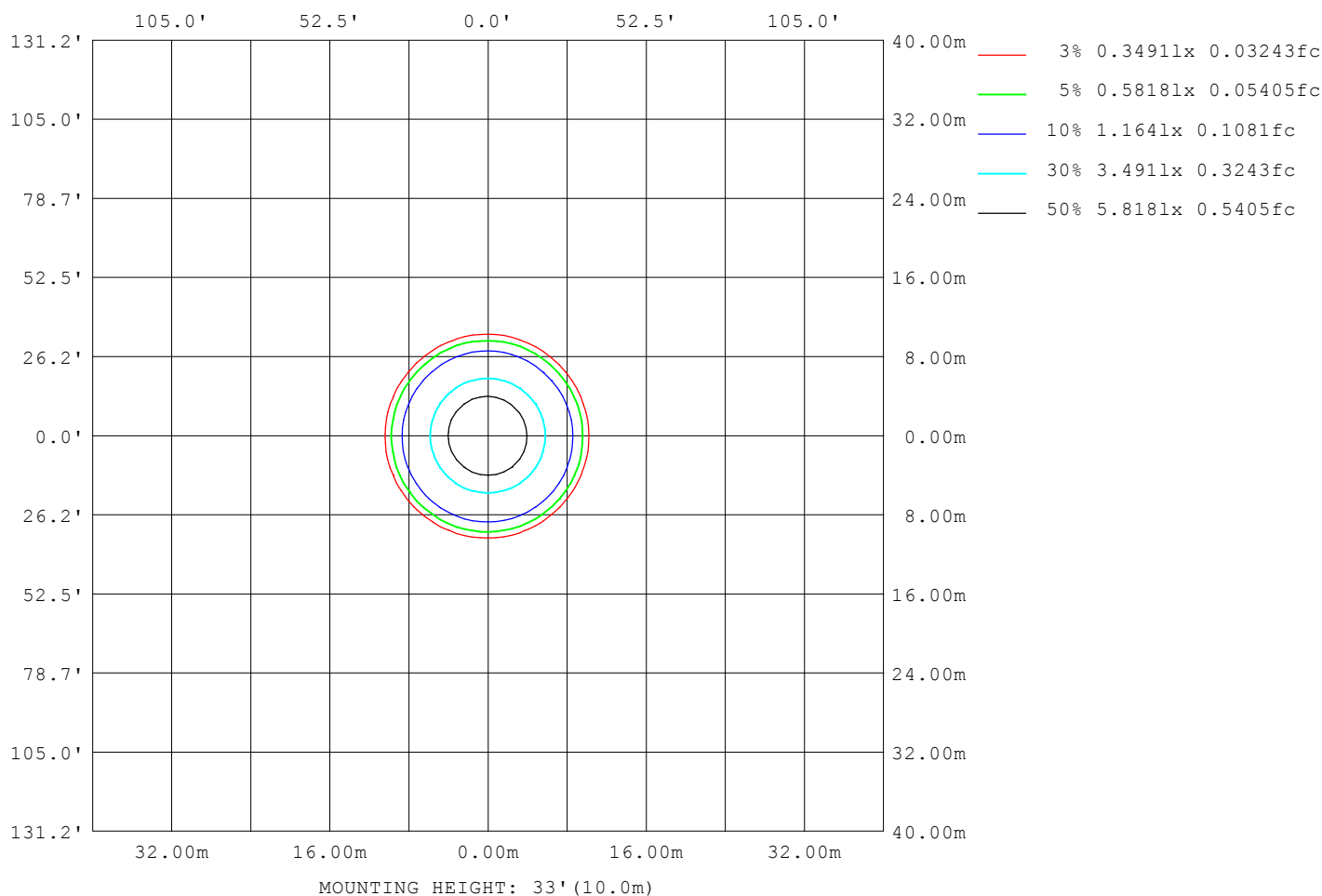
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	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:240.4V I:0.0442A P:9.9W PF:0.9312 Freq:49.99Hz		
UTHDi:0.17% ITHDi:19.01% KDisp:0.9481		Lamp Flux:1064.98x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

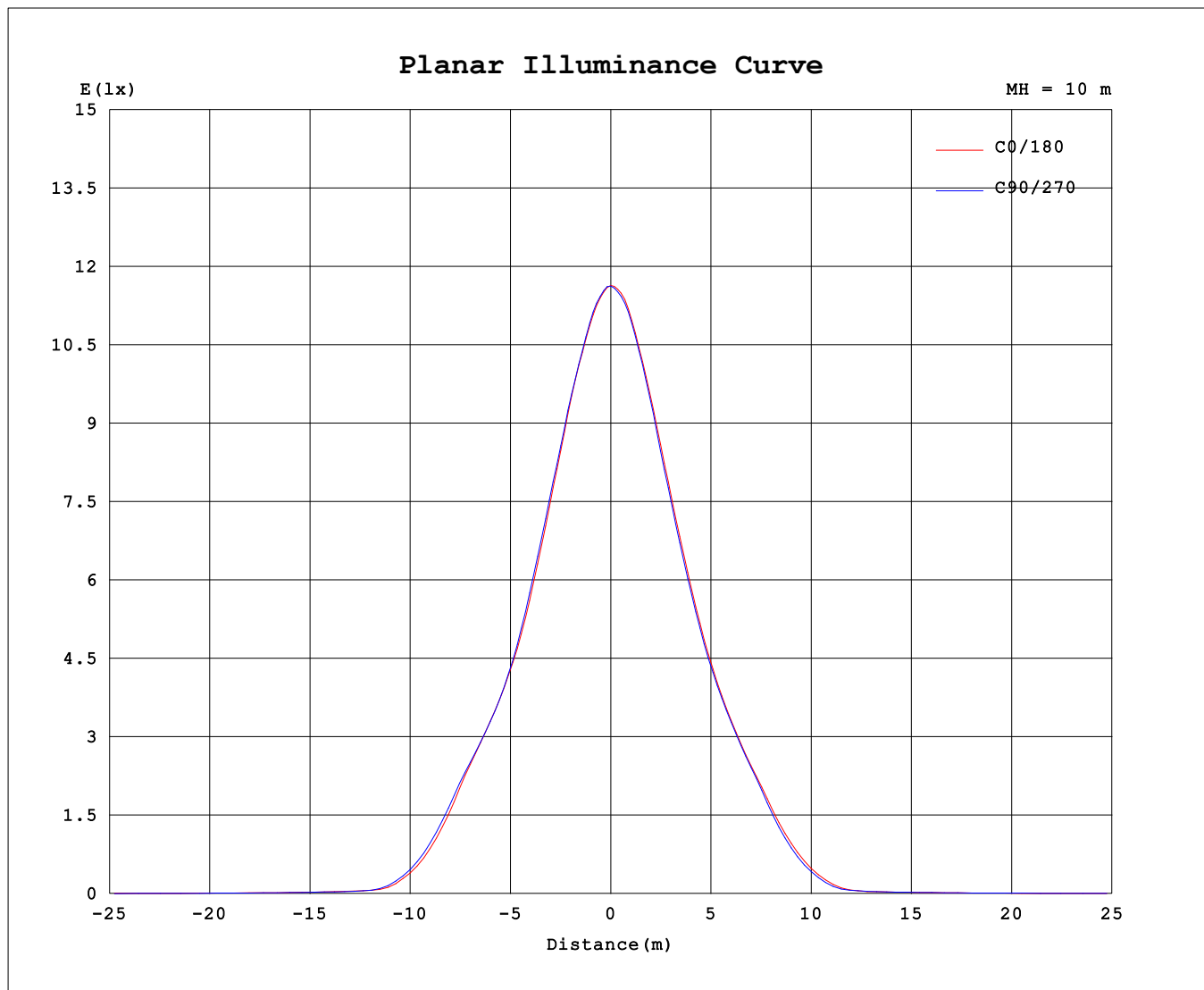
AvgL	cd/m2
L_0~180 (65) av	22711
L_0~180 (75) av	19233
L_0~180 (85) av	16122
L_90~270 (65) av	22497
L_90~270 (75) av	19061
L_90~270 (85) av	16171
L_45 (65) av	22412
L_45 (75) av	19028
L_45 (85) av	15983

Standard: GB/T 29293-2012

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

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: 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:

```

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	1163	1163	1163	1163	1163	1163	1163	1163
3.0	1144	1146	1148	1150	1153	1150	1148	1143
6.0	1104	1108	1110	1113	1115	1114	1110	1102
9.0	1049	1054	1052	1055	1056	1054	1050	1045
12.0	980.9	987.6	988.7	991.4	989.2	984.8	980.8	973.0
15.0	901.6	910.5	913.3	915.4	913.9	909.1	900.4	893.7
18.0	817.5	831.1	833.8	833.5	834.6	829.7	821.9	810.0
21.0	732.8	747.8	749.6	750.6	755.1	750.9	741.6	729.3
24.0	652.8	666.3	666.5	670.1	678.4	675.2	666.4	654.6
27.0	591.3	596.9	595.2	600.3	607.9	605.6	599.4	591.2
30.0	539.5	539.7	539.0	545.0	546.0	544.9	540.3	536.2
33.0	489.2	491.2	491.6	493.6	486.5	483.9	481.2	481.9
36.0	426.8	434.7	439.2	437.4	424.3	420.1	417.6	414.2
39.0	322.5	339.5	349.5	351.3	337.7	326.7	319.6	313.2
42.0	210.8	226.3	237.2	238.3	234.8	220.8	214.7	204.0
45.0	112.6	120.3	131.4	135.9	137.4	124.9	119.9	110.3
48.0	41.78	47.68	52.24	55.11	59.41	53.52	46.85	42.44
51.0	23.75	22.91	22.14	20.41	22.85	21.27	22.63	23.41
54.0	19.95	19.02	18.57	17.90	16.83	16.76	18.04	19.26
57.0	17.20	16.73	16.83	16.41	15.43	14.83	15.45	16.76
60.0	15.40	15.06	14.92	14.81	14.40	13.97	14.26	14.84
63.0	13.68	13.33	13.18	13.16	13.26	13.14	13.31	13.56
66.0	11.90	11.58	11.36	11.41	11.97	12.09	12.22	12.02
69.0	10.08	9.759	9.503	9.549	10.24	10.65	10.66	10.29
72.0	8.254	7.913	7.689	7.642	8.260	8.827	8.767	8.300
75.0	6.552	6.203	5.985	5.986	6.391	6.935	6.841	6.486
78.0	4.996	4.614	4.443	4.464	4.708	5.194	5.219	4.932
81.0	3.588	3.314	3.100	3.126	3.300	3.646	3.782	3.643
84.0	2.572	2.170	1.841	1.764	1.933	2.184	2.444	2.598
87.0	0.6391	0.4897	0.4080	0.5888	0.7041	0.7986	0.8286	0.6954
90.0	0.0366	0.0337	0.0402	0.0322	0.0373	0.0360	0.0379	0.0351

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