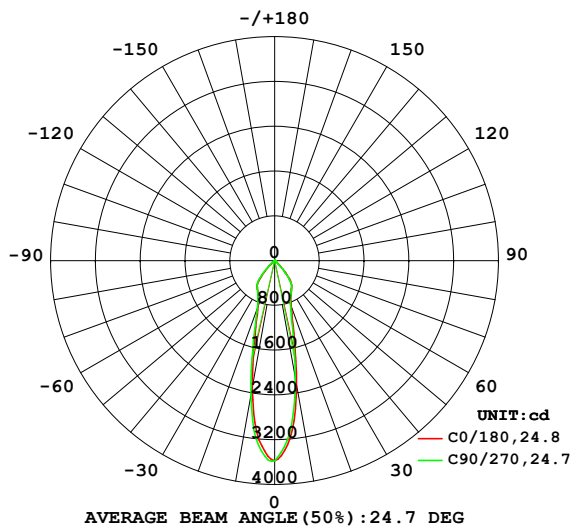


LUMINAIRE PHOTOMETRIC TEST REPORT

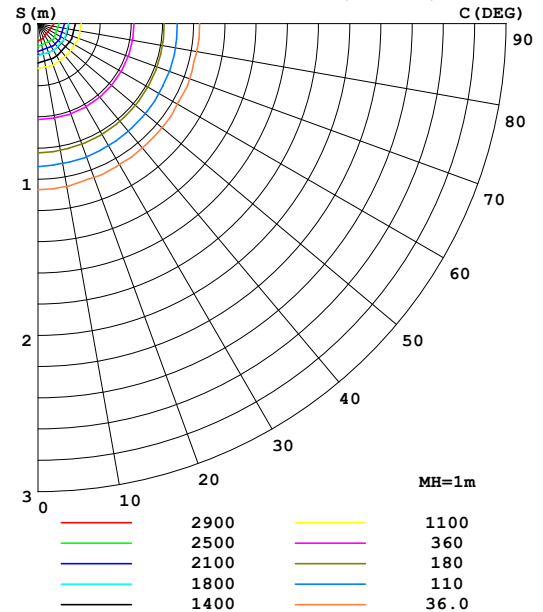
Test:U:240.4V I:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652		Lamp Flux:1480x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 118.65 lm/W
MODEL		Imax (cd)	3588	S/MH(C0/180)	0.43	
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	0.44	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1480.0	η UP,DN(C0-180)	0.0,48.2	
NOMINAL FLUX(lm)	1480	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.8	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.38	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:2024-10-18

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	2259	2169	2124	2197	2305	2405	2442	2358	0- 10	275.9	275.9	18.6,18.6
20	864.3	842.0	831.5	848.5	875.4	907.7	911.4	890.9	10- 20	383.7	659.6	44.6,44.6
30	602.2	603.5	607.2	610.0	615.6	615.6	615.8	609.7	20- 30	325.3	984.8	66.5,66.5
40	378.3	351.6	338.7	357.6	390.7	416.4	428.2	407.1	30- 40	326.2	1311	88.6,88.6
50	32.10	30.18	30.07	33.12	33.83	40.44	47.32	39.94	40- 50	139.2	1450	98,98
60	7.987	7.893	7.856	8.605	8.608	8.628	8.777	8.220	50- 60	15.08	1465	99,99
70	5.131	5.279	5.399	5.654	5.738	5.616	5.391	5.266	60- 70	6.381	1472	99.4,99.4
80	5.253	5.229	5.149	5.412	5.972	6.027	5.455	5.094	70- 80	5.463	1477	99.8,99.8
90	0.0561	0.0452	0.0585	0.0455	0.0458	0.0446	0.0540	0.0442	80- 90	2.852	1480	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): 1412.9 lm

%lum = 95.5%

%lamp = 95.5%

Conical surface Flux(120deg): 1465.3 lm

%lum = 99.0%

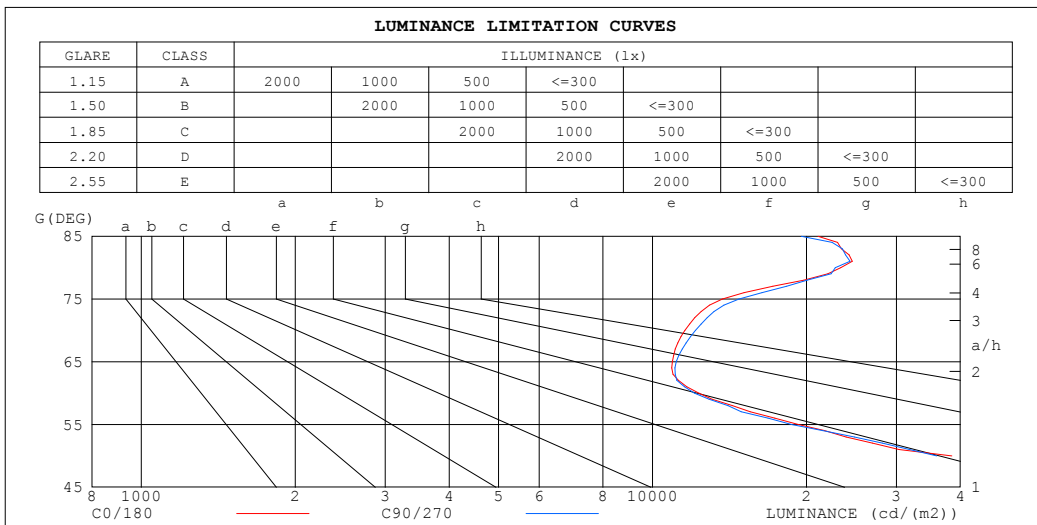
%lamp = 99.0%

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz			Lamp Flux:1480x1 lm		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652					
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D			13WTYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Norming lighting			SUR.: 41mm		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	21082	19555
80	23334	22789
75	13699	14764
70	11572	12133
65	10932	11131
60	12322	12076
55	19299	18732
50	38525	35959
45	183008	146130

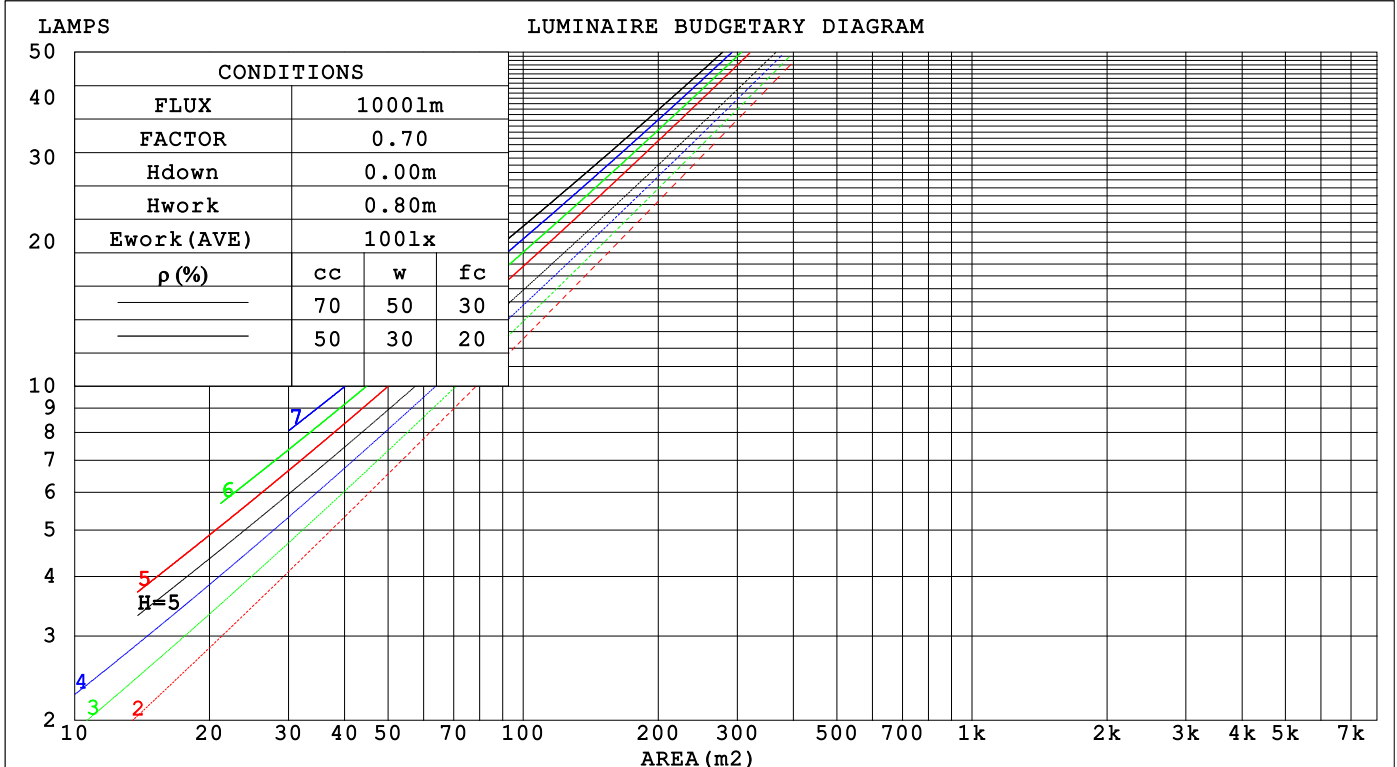
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652		Lamp Flux:1480x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13W TYPE:	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	.93	.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	.79	.75	.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	.74	.69	.65	.72	.68	.65	.71	.67	.64	.63														
8.0	.71	.66	.62	.71	.65	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.59														
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.66	.61	.58	.65	.61	.58	.56														
10.0	.65	.59	.55	.64	.59	.55	.63	.58	.55	.63	.58	.55	.62	.58	.55	.53														



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652		Lamp Flux:1480x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13WTYPE:	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	.097	.031	.158	.091	.029	.147	.085	.027	.136	.079	.025		
2.0	.169	.093	.028	.164	.090	.028	.153	.085	.026	.143	.080	.025	.134	.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	.118	.062	.019		
7.0	.132	.065	.018	.129	.064	.018	.124	.063	.018	.119	.061	.018	.114	.059	.017		
8.0	.126	.061	.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	.102	.051	.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:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz UTHDi:0.18% ITHDi:18.88% KDisp:0.9652Lamp Flux:1480x1 lm											
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D 13WTYPE:						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	26.0	26.9	26.2	27.1	27.2	25.7	26.6	25.9	26.8	27.0	
3H	25.8	26.7	26.1	26.9	27.1	25.6	26.4	25.8	26.6	26.8	
4H	25.8	26.6	26.0	26.8	27.0	25.5	26.3	25.8	26.5	26.8	
6H	25.7	26.5	26.0	26.7	27.0	25.5	26.2	25.8	26.5	26.7	
8H	25.7	26.5	26.0	26.7	27.0	25.5	26.2	25.8	26.5	26.7	
12H	25.7	26.4	26.0	26.7	26.9	25.4	26.1	25.8	26.4	26.7	
4H 2H	25.7	26.5	26.0	26.8	27.0	25.5	26.3	25.7	26.5	26.7	
3H	25.6	26.3	25.9	26.6	26.8	25.3	26.0	25.6	26.3	26.6	
4H	25.5	26.2	25.9	26.5	26.8	25.3	25.9	25.6	26.2	26.5	
6H	25.5	26.1	25.9	26.4	26.8	25.3	25.8	25.7	26.2	26.5	
8H	25.5	26.1	25.9	26.4	26.8	25.3	25.8	25.7	26.2	26.5	
12H	25.5	26.0	26.0	26.4	26.8	25.3	25.8	25.7	26.1	26.5	
8H 4H	25.4	25.9	25.8	26.3	26.7	25.2	25.7	25.6	26.0	26.4	
6H	25.5	25.9	25.9	26.3	26.7	25.2	25.6	25.6	26.0	26.5	
8H	25.5	25.9	26.0	26.3	26.7	25.3	25.6	25.7	26.1	26.5	
12H	25.5	25.9	26.0	26.3	26.8	25.3	25.6	25.8	26.1	26.5	
12H 4H	25.4	25.9	25.8	26.2	26.6	25.1	25.6	25.5	26.0	26.4	
6H	25.4	25.8	25.9	26.2	26.7	25.2	25.6	25.6	26.0	26.4	
8H	25.5	25.8	26.0	26.3	26.7	25.3	25.6	25.7	26.0	26.5	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 2.6 / - 8.1					+ 2.6 / - 7.8					
1.5H	+ 4.8 / - 8.0					+ 4.9 / - 7.5					
2.0H	+ 7.0 / - 3.4					+ 6.3 / - 2.6					

CIE Pub.117, 1480 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.4)
Area: 0.0013 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652 Lamp Flux:1480x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

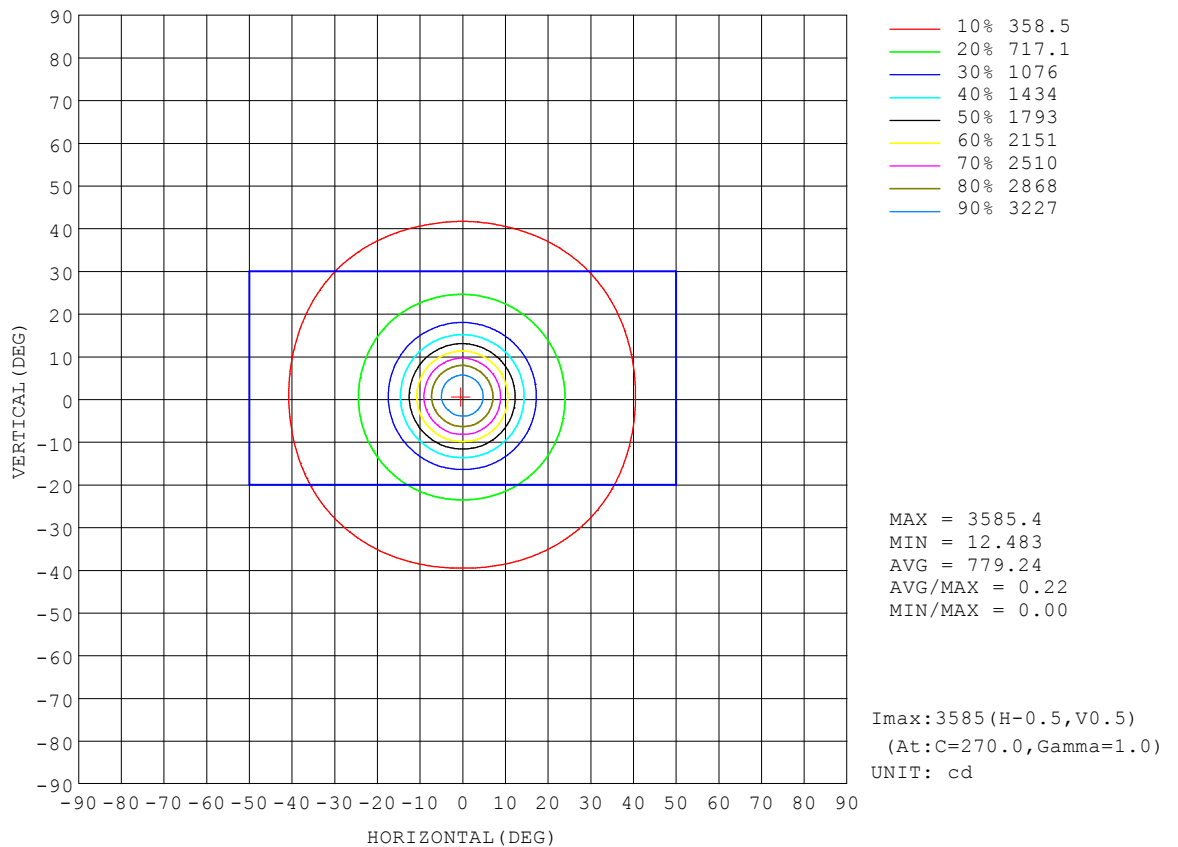
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	78	73	84	77	73	83	77	73	69
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	88	97	91	87	95	91	87	83
1.25	102	96	93	101	96	92	99	94	91	87
1.50	105	100	96	103	99	96	101	97	94	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	105	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: 2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652		Lamp Flux:1480x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

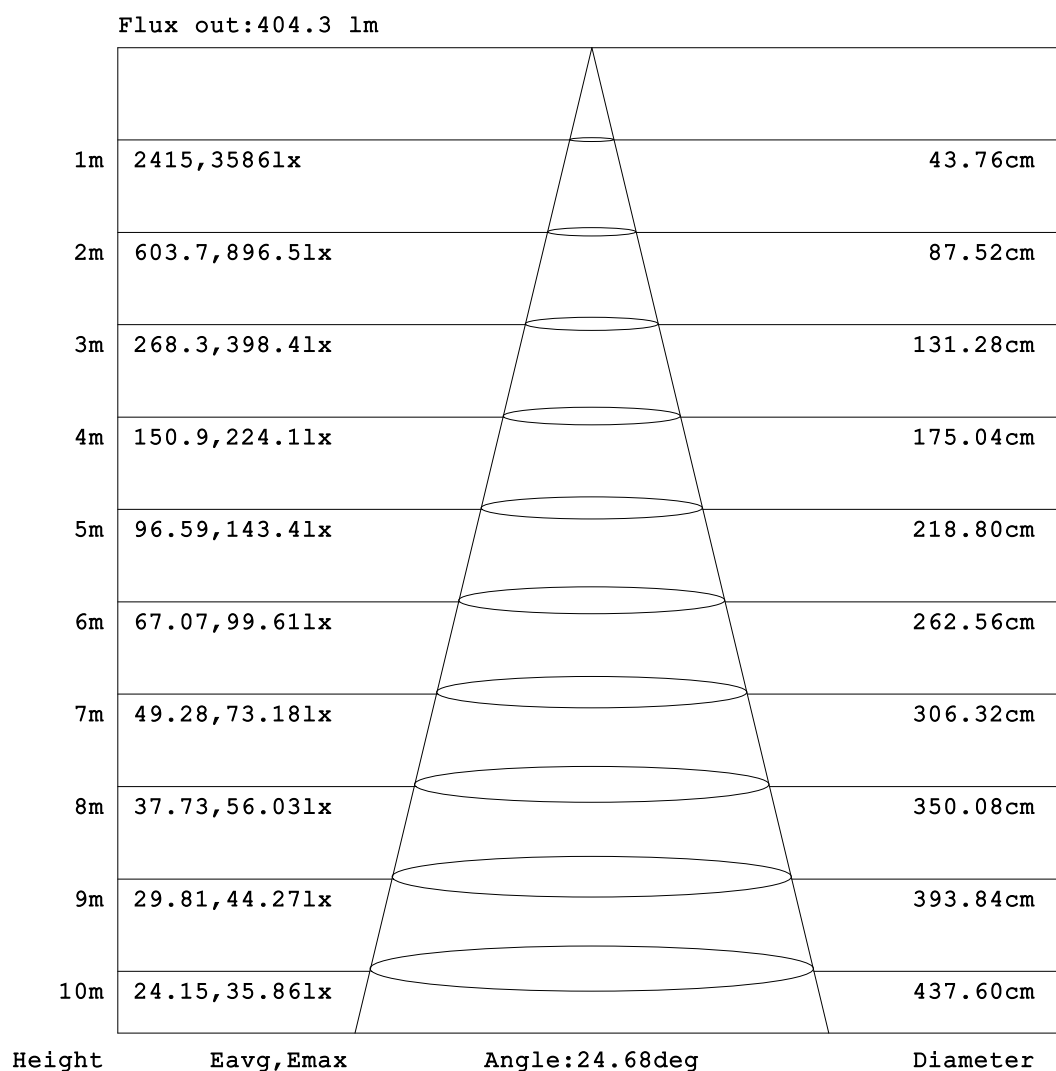


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652		Lamp Flux:1480x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13W TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



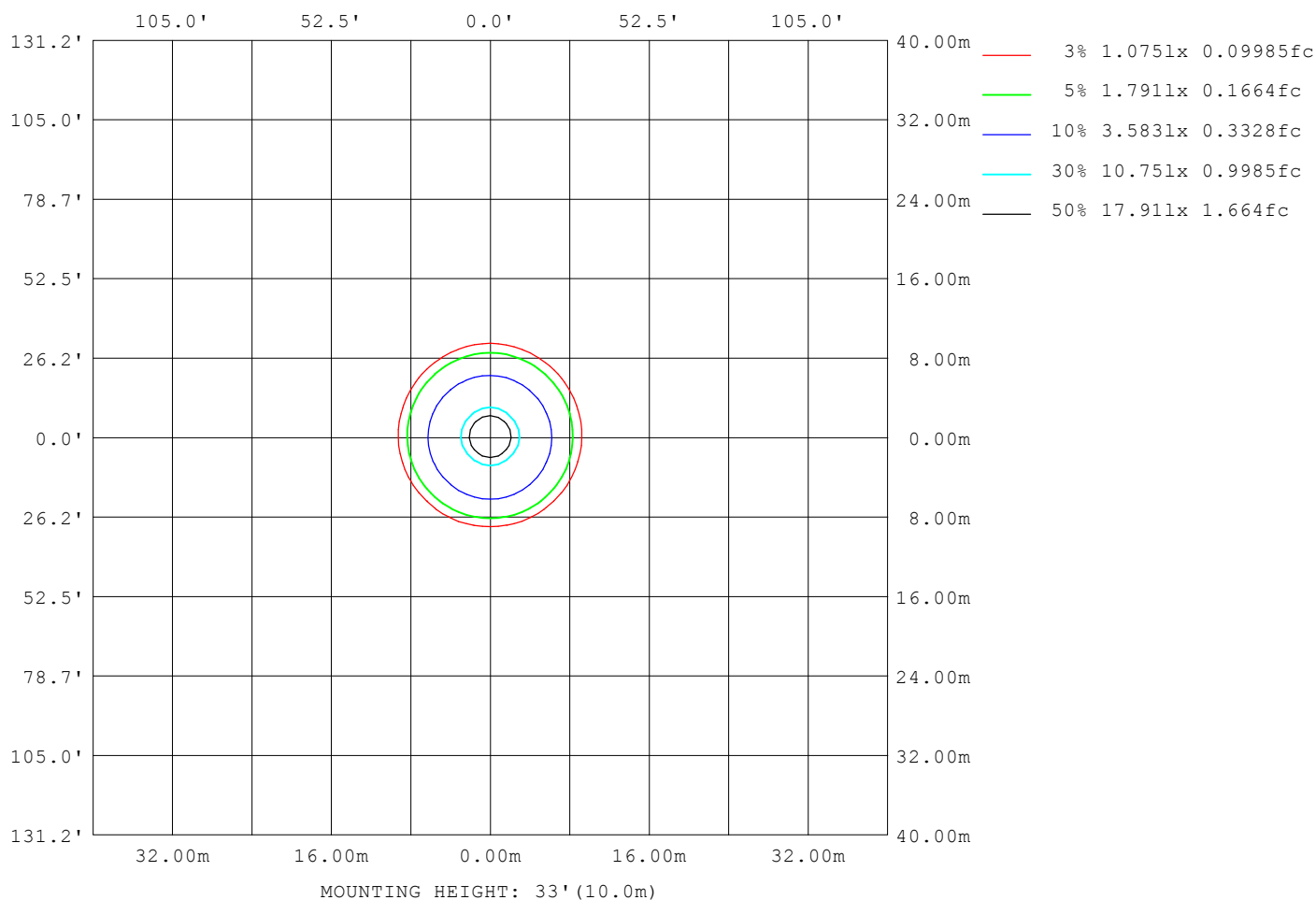
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652		Lamp Flux:1480x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D	13WTYPE:	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:2024-10-18

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:0.0547A P:12.5W PF:0.9482 Freq:49.99Hz		
UTHDi:0.18% ITHDi:18.88% KDisp:0.9652 Lamp Flux:1480x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 25D 13WTYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

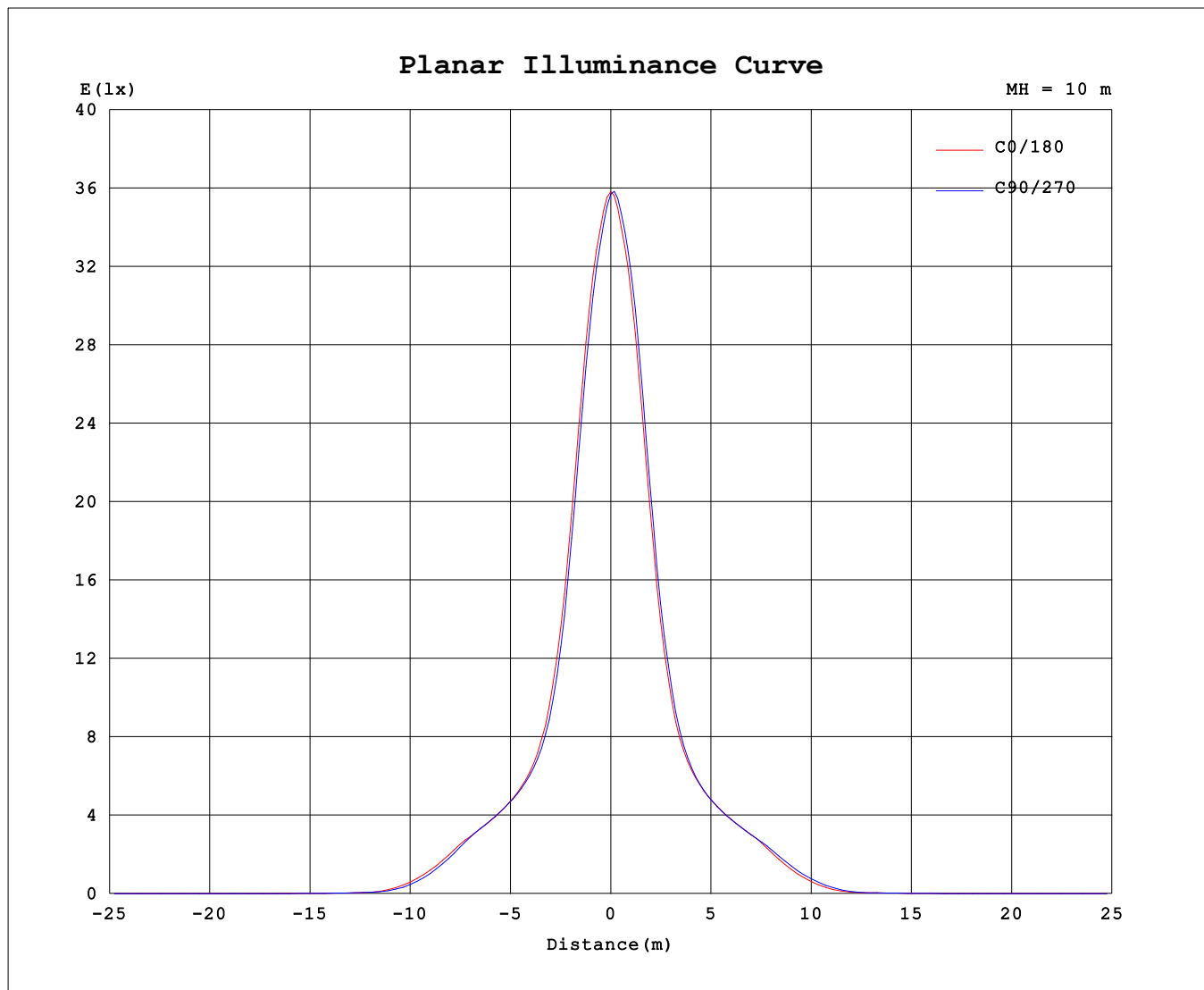
AvgL	cd/m2
L_0~180 (65) av	11389
L_0~180 (75) av	14573
L_0~180 (85) av	24989
L_90~270 (65) av	11352
L_90~270 (75) av	14267
L_90~270 (85) av	22659
L_45 (65) av	11428
L_45 (75) av	14446
L_45 (85) av	23887

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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: 2024-10-18

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	3573	3573	3573	3573	3573	3573	3573	3573
3.0	3395	3342	3331	3357	3408	3468	3493	3461
6.0	3042	2964	2933	2979	3077	3160	3197	3141
9.0	2470	2388	2344	2408	2517	2623	2662	2576
12.0	1836	1755	1717	1782	1893	1974	2016	1935
15.0	1338	1268	1238	1281	1367	1434	1459	1413
18.0	998.9	961.2	949.5	965.7	1016	1061	1077	1046
21.0	814.9	799.2	791.2	805.7	826.1	845.1	852.9	835.1
24.0	714.2	707.7	706.8	715.2	725.5	731.9	733.4	723.9
27.0	650.6	648.8	651.3	656.9	661.6	663.0	663.3	657.7
30.0	602.2	603.5	607.2	610.0	615.6	615.6	615.8	609.7
33.0	560.4	562.6	565.7	568.3	575.9	576.4	575.3	566.9
36.0	514.0	506.2	498.5	508.7	530.7	534.9	534.7	523.1
39.0	418.1	395.6	381.8	399.8	432.1	454.6	465.3	444.2
42.0	292.0	263.7	251.6	270.6	303.0	329.8	345.2	323.4
45.0	167.8	143.7	134.4	150.7	176.4	200.6	216.0	193.8
48.0	71.70	54.15	49.11	59.40	70.71	91.09	102.4	89.90
51.0	24.75	26.28	26.05	28.99	28.04	29.05	32.63	27.46
54.0	16.56	16.67	16.48	18.66	18.08	17.97	18.93	16.92
57.0	10.96	10.78	10.57	11.83	11.86	12.08	12.63	11.42
60.0	7.987	7.893	7.856	8.605	8.608	8.628	8.777	8.220
63.0	6.458	6.446	6.541	6.956	6.980	6.977	6.974	6.655
66.0	5.796	5.827	5.953	6.281	6.353	6.281	6.142	5.960
69.0	5.283	5.411	5.536	5.791	5.884	5.760	5.568	5.427
72.0	4.845	5.036	5.141	5.384	5.474	5.327	5.072	4.923
75.0	4.596	4.825	4.972	5.093	5.210	4.991	4.629	4.534
78.0	5.334	5.416	5.426	5.530	5.794	5.573	4.979	4.959
81.0	4.986	4.959	4.955	5.348	5.633	5.814	5.292	5.029
84.0	3.120	3.051	3.056	3.496	3.841	4.095	3.798	3.259
87.0	0.7036	0.6097	0.6431	0.8491	1.245	1.451	1.277	0.9488
90.0	0.0561	0.0452	0.0585	0.0455	0.0458	0.0446	0.0540	0.0442

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