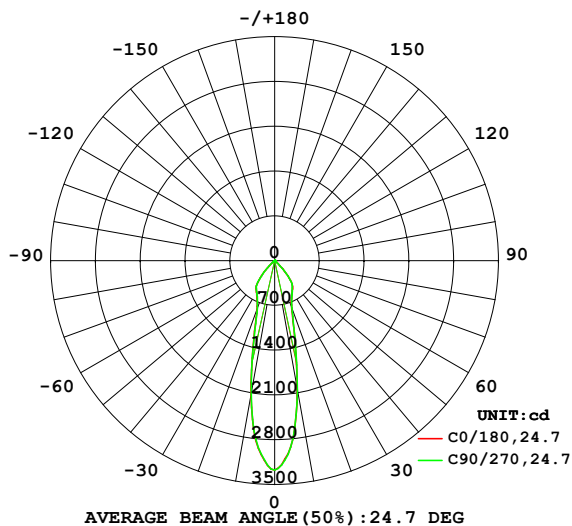


LUMINAIRE PHOTOMETRIC TEST REPORT

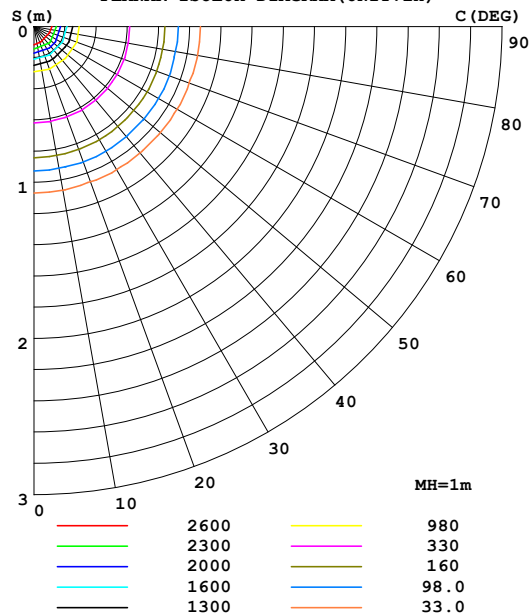
Test:U:240.5V I:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 108.66 lm/W
MODEL		I _{max} (cd)	3273	S/MH (C0/180)	0.43	
NOMINAL POWER(W)	13	LOR (%)	100.0	S/MH (C90/270)	0.43	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1358.1	η UP,DN (C0-180)	0.0,49.5	
NOMINAL FLUX(lm)	1358.12	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,50.5	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.41	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:2024-10-16

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	2042	2035	2049	2112	2140	2138	2125	2065	0- 10	252.4	252.4	18.6,18.6
20	786.2	788.6	792.4	808.4	816.6	809.9	802.8	792.3	10- 20	351.5	603.9	44.5,44.5
30	555.9	555.7	553.8	564.6	573.7	570.4	567.3	559.8	20- 30	299.7	903.6	66.5,66.5
40	353.7	352.4	352.0	356.1	355.0	351.9	357.3	350.1	30- 40	300.7	1204	88.7,88.7
50	28.86	26.86	28.33	31.40	32.65	34.35	32.97	28.20	40- 50	126.9	1331	98,98
60	7.386	7.028	7.088	7.541	7.784	8.289	8.136	7.638	50- 60	13.54	1345	99,99
70	4.684	4.546	4.600	4.934	5.068	5.277	5.217	5.050	60- 70	5.786	1351	99.4,99.4
80	4.958	4.523	4.761	4.978	5.232	5.263	5.544	5.492	70- 80	4.982	1356	99.8,99.8
90	0.0452	0.0398	0.0540	0.0383	0.0385	0.0388	0.0457	0.0370	80- 90	2.616	1358	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): 1297.9 lm

%lum = 95.6%

%lamp = 95.6%

Conical surface Flux(120deg): 1344.7 lm

%lum = 99.0%

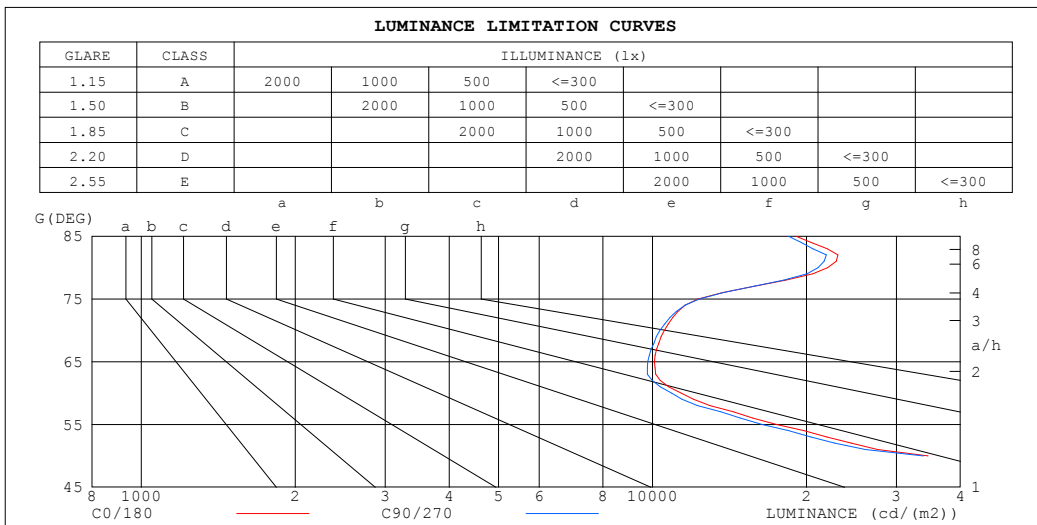
%lamp = 99.0%

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

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:240.5V I:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz			Lamp Flux:1358.12x1 lm		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653					
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K 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	19098	18459
80	22005	21075
75	12270	12343
70	10554	10340
65	10087	9792
60	11384	10898
55	17497	16403
50	34606	33877
45	170895	169519

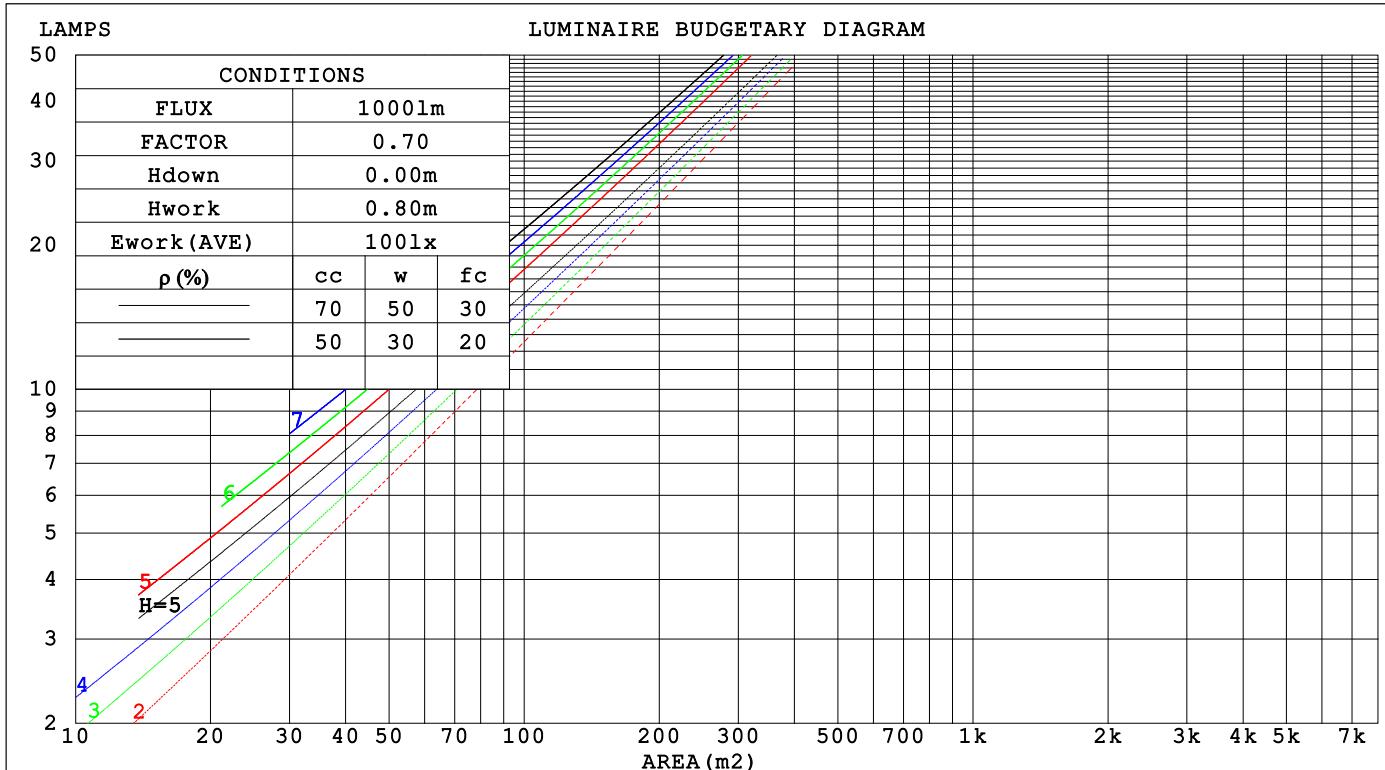
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-16

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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K 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 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	.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	.61	.58	.56
10.0	.64	.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:2024-10-16

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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K 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	.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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz UTHDi:0.16% ITHDi:18.94% KDisp:0.9653Lamp Flux:1358.12x1 lm										
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K 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	25.9	26.9	26.1	27.0	27.2	25.9	26.8	26.1	27.0	27.2
3H	25.8	26.6	26.0	26.8	27.0	25.7	26.6	26.0	26.8	27.0
4H	25.7	26.5	26.0	26.7	27.0	25.7	26.5	26.0	26.7	26.9
6H	25.7	26.4	26.0	26.7	26.9	25.6	26.4	25.9	26.6	26.9
8H	25.7	26.4	26.0	26.6	26.9	25.6	26.4	25.9	26.6	26.9
12H	25.6	26.3	26.0	26.6	26.9	25.6	26.3	25.9	26.6	26.8
4H 2H	25.7	26.5	26.0	26.7	26.9	25.6	26.5	25.9	26.7	26.9
3H	25.5	26.2	25.8	26.5	26.8	25.5	26.2	25.8	26.5	26.7
4H	25.5	26.1	25.8	26.4	26.7	25.4	26.1	25.8	26.4	26.7
6H	25.5	26.0	25.8	26.4	26.7	25.4	26.0	25.8	26.3	26.7
8H	25.5	26.0	25.9	26.3	26.7	25.4	26.0	25.8	26.3	26.7
12H	25.5	25.9	25.9	26.3	26.7	25.4	25.9	25.8	26.3	26.7
8H 4H	25.3	25.9	25.7	26.2	26.6	25.3	25.8	25.7	26.2	26.6
6H	25.4	25.8	25.8	26.2	26.6	25.3	25.8	25.8	26.2	26.6
8H	25.4	25.8	25.9	26.2	26.6	25.4	25.7	25.8	26.2	26.6
12H	25.4	25.7	25.9	26.2	26.7	25.4	25.7	25.8	26.1	26.6
12H 4H	25.3	25.8	25.7	26.1	26.5	25.3	25.7	25.7	26.1	26.5
6H	25.3	25.7	25.8	26.1	26.6	25.3	25.7	25.8	26.1	26.5
8H	25.4	25.7	25.9	26.2	26.6	25.3	25.7	25.8	26.1	26.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.4 / - 8.5					+ 2.4 / - 8.6				
1.5H	+ 4.6 / - 8.6					+ 4.6 / - 8.7				
2.0H	+ 7.0 / - 3.8					+ 7.1 / - 3.9				

CIE Pub.117, 1358 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.1)
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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

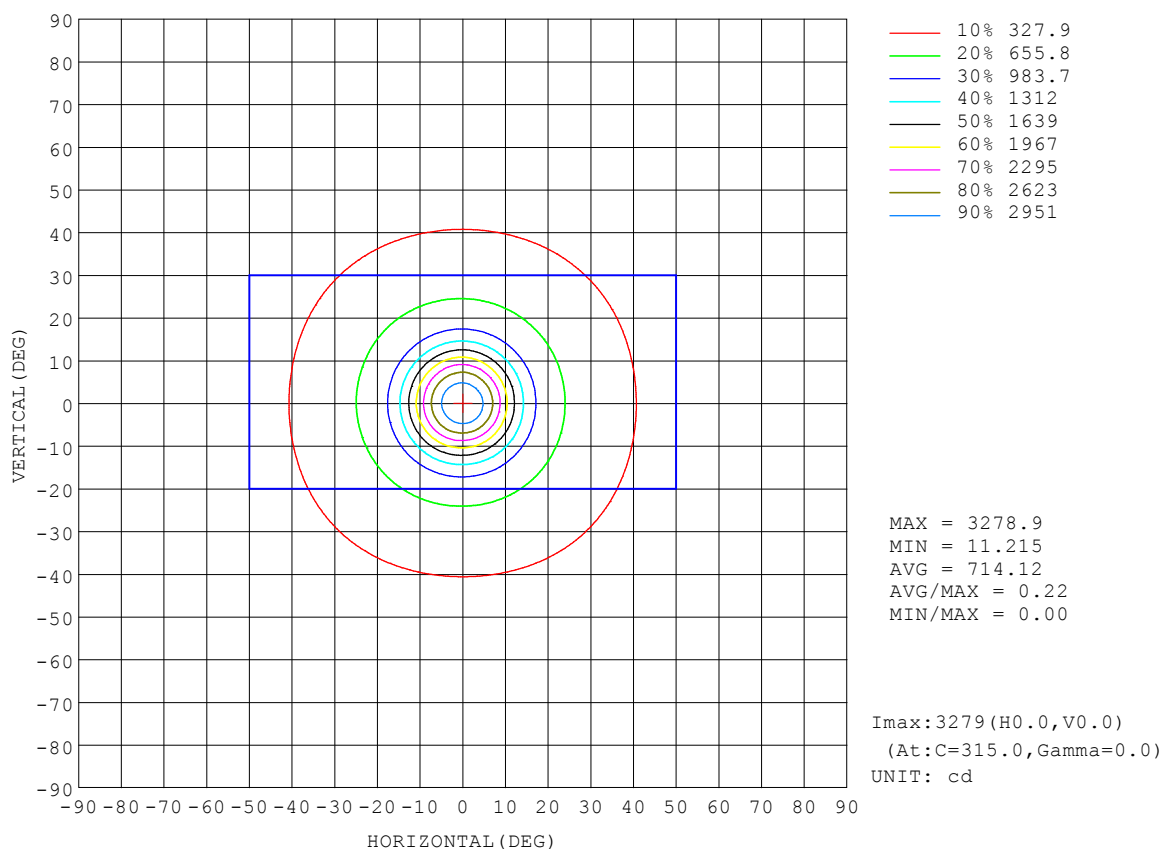
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	78	74	84	77	73	83	77	73	69
0.80	92	86	82	92	86	82	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

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:240.5V I:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

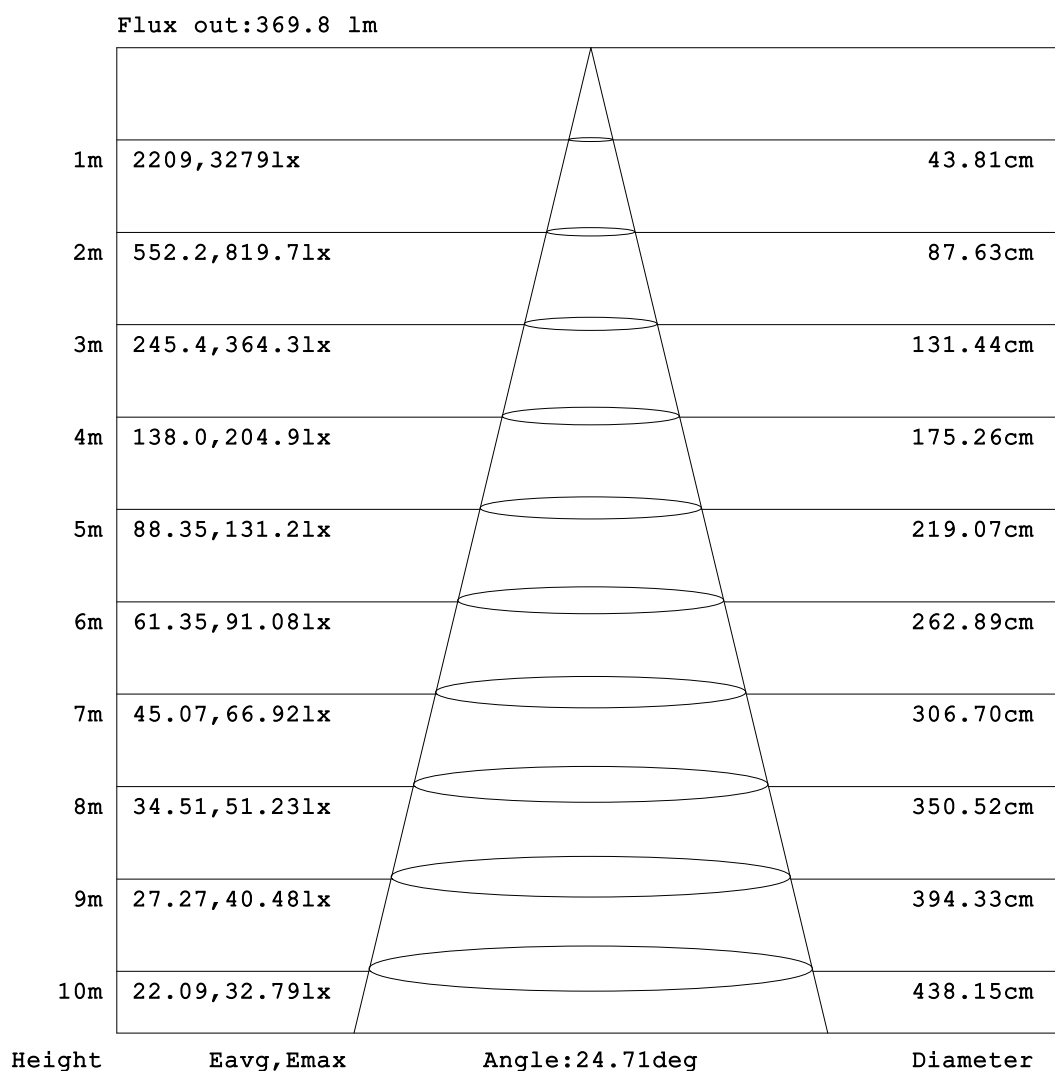


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-16

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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



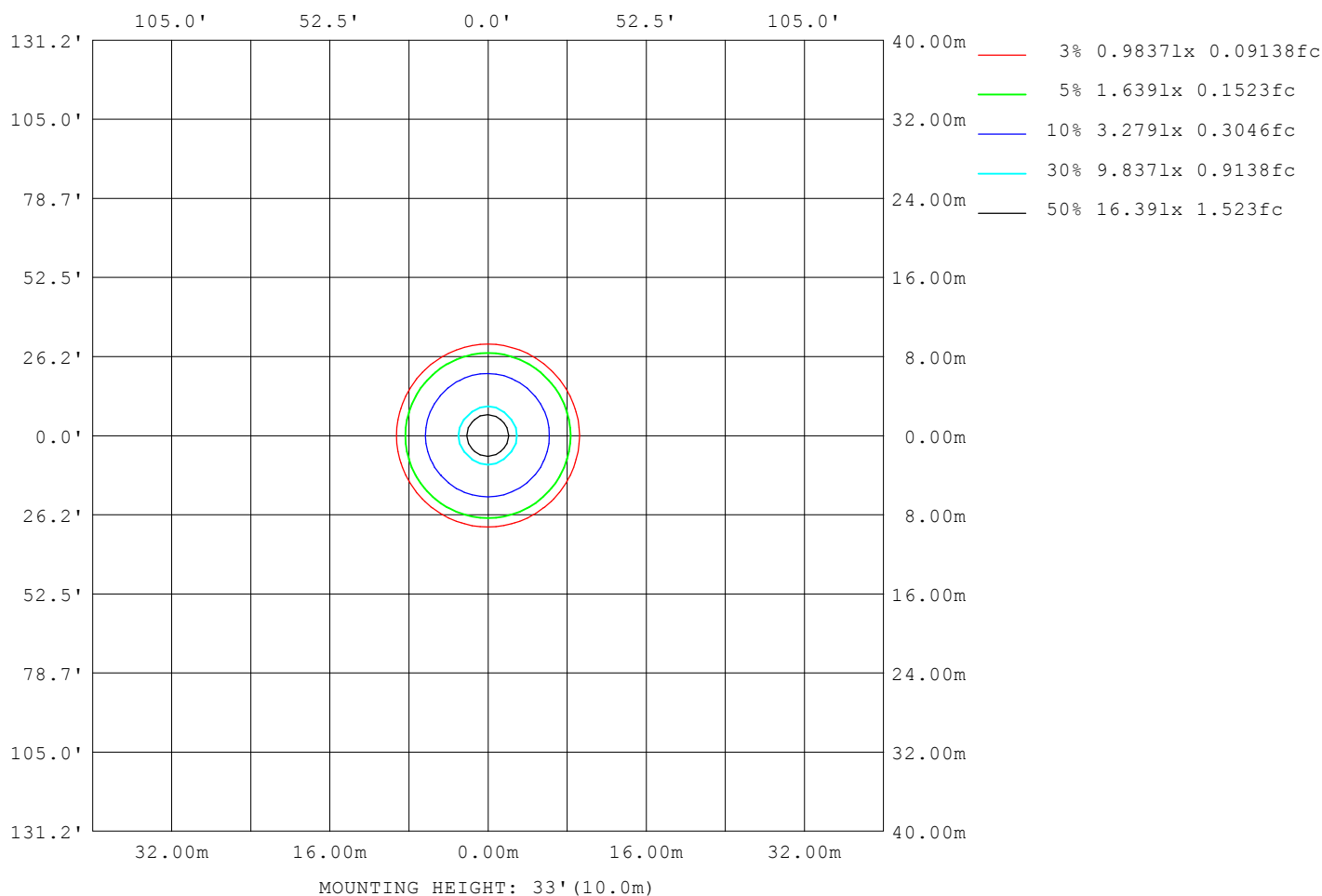
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K 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: 2024-10-16

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:0.0548A P:12.5W PF:0.9483 Freq:49.99Hz		
UTHDi:0.16% ITHDi:18.94% KDisp:0.9653		Lamp Flux:1358.12x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 2700K RA90 25D 13WTYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

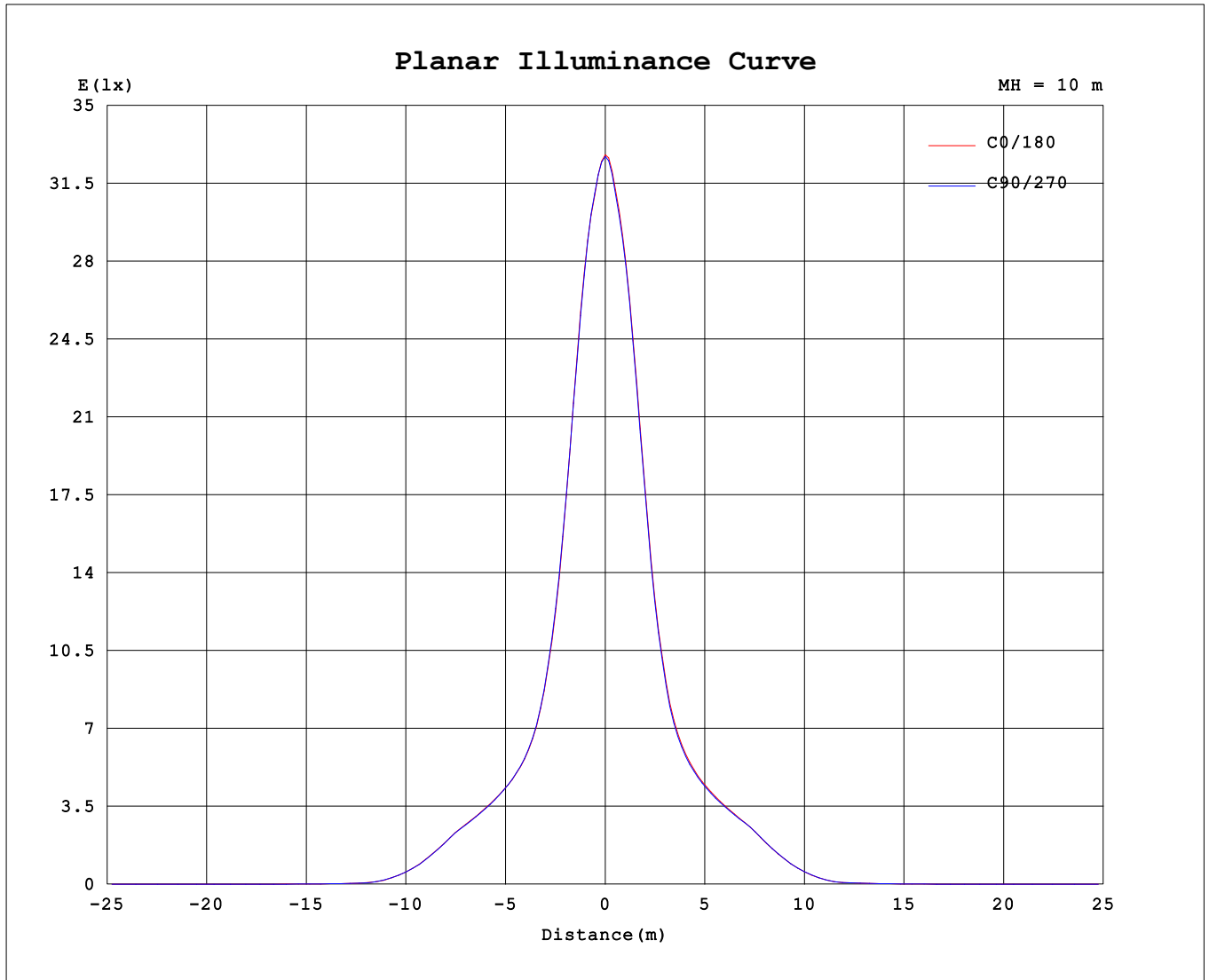
AvgL	cd/m2
L_0~180 (65) av	10255
L_0~180 (75) av	12913
L_0~180 (85) av	21915
L_90~270 (65) av	10323
L_90~270 (75) av	13270
L_90~270 (85) av	23241
L_45 (65) av	10407
L_45 (75) av	13068
L_45 (85) av	22031

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	3273	3273	3273	3273	3273	3273	3273	3273
3.0	3104	3112	3121	3123	3127	3123	3117	3108
6.0	2788	2782	2784	2811	2828	2815	2820	2793
9.0	2243	2231	2244	2310	2329	2324	2315	2265
12.0	1653	1656	1671	1728	1751	1747	1739	1685
15.0	1207	1214	1224	1253	1268	1258	1255	1224
18.0	915.4	911.6	923.8	936.9	946.3	943.7	931.2	922.6
21.0	741.9	744.8	748.1	762.4	770.3	766.1	758.5	748.0
24.0	653.6	655.1	657.5	667.4	676.1	673.2	667.4	658.5
27.0	598.3	598.7	598.5	608.0	617.2	614.4	609.5	602.3
30.0	555.9	555.7	553.8	564.6	573.7	570.4	567.3	559.8
33.0	516.0	515.6	513.5	525.0	534.2	530.3	530.1	521.5
36.0	474.1	472.3	471.8	480.8	486.6	482.6	488.3	477.9
39.0	390.6	390.1	389.1	394.8	393.0	389.4	395.5	389.8
42.0	275.1	272.4	273.4	275.1	276.7	273.1	278.1	268.5
45.0	156.8	155.1	155.9	159.0	159.3	157.0	161.3	152.8
48.0	63.21	62.04	64.57	64.62	65.77	68.20	65.72	59.59
51.0	22.50	21.40	21.35	25.20	27.18	28.97	27.62	23.03
54.0	15.08	14.24	14.11	16.05	17.37	18.55	17.34	14.98
57.0	10.16	9.373	9.630	10.44	10.86	11.62	11.29	10.23
60.0	7.386	7.028	7.088	7.541	7.784	8.289	8.136	7.638
63.0	5.977	5.773	5.774	5.990	6.156	6.470	6.389	6.287
66.0	5.341	5.203	5.218	5.431	5.571	5.839	5.780	5.681
69.0	4.834	4.696	4.746	5.044	5.174	5.400	5.343	5.171
72.0	4.393	4.261	4.345	4.692	4.833	5.038	4.985	4.807
75.0	4.121	3.934	4.156	4.367	4.569	4.694	4.774	4.593
78.0	4.916	4.416	4.878	4.711	5.003	4.935	5.301	5.406
81.0	4.643	4.135	4.409	4.811	4.878	4.896	5.229	5.300
84.0	2.770	2.269	2.656	3.164	3.394	3.692	3.735	3.477
87.0	0.5304	0.4465	0.5832	0.7901	1.082	1.261	1.267	0.8662
90.0	0.0452	0.0398	0.0540	0.0383	0.0385	0.0388	0.0457	0.0370

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