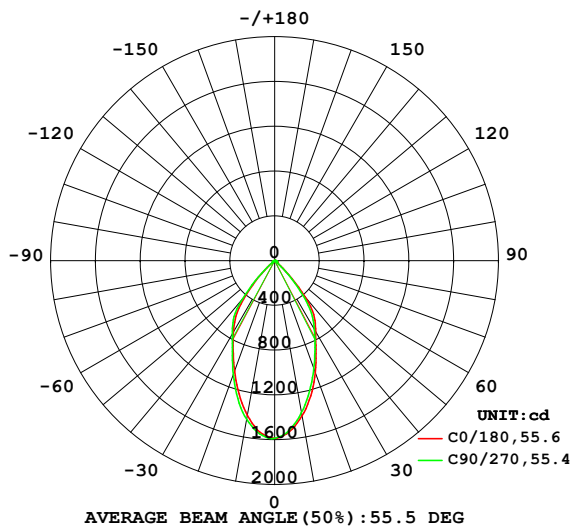


LUMINAIRE PHOTOMETRIC TEST REPORT

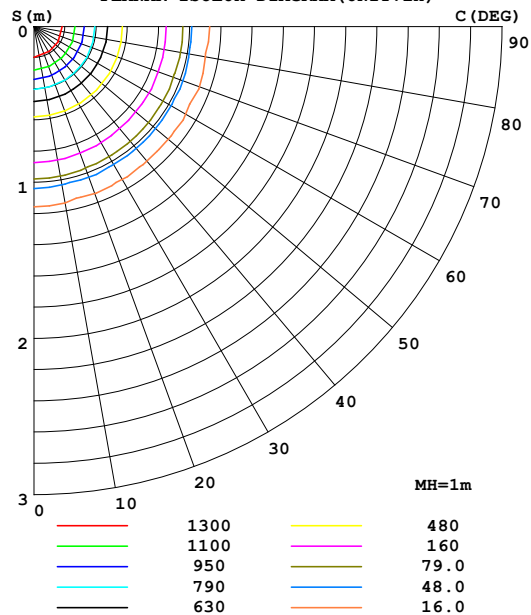
Test:U:240.4V I:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653		Lamp Flux:1458.48x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 117.22 lm/W
MODEL		Imax (cd)	1590	S/MH(C0/180)	0.80	
NOMINAL POWER(W)	13	LOR(%)	100.0	S/MH(C90/270)	0.82	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1458.5	η UP,DN(C0-180)	0.0,48.7	
NOMINAL FLUX(lm)	1458.48	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.3	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	240.39	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:2024-10-18

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	1410	1393	1381	1390	1405	1424	1440	1430	0- 10	142.4	142.4	9.76,9.76
20	1063	1035	1026	1036	1051	1066	1085	1086	10- 20	345.6	488.1	33.5,33.5
30	734.9	726.1	712.9	725.8	739.3	754.4	757.5	750.0	20- 30	404.7	892.8	61.2,61.2
40	424.9	388.6	363.8	371.9	393.5	422.5	452.2	449.7	30- 40	371.5	1264	86.7,86.7
50	35.56	30.56	29.33	30.96	35.69	41.33	45.17	42.26	40- 50	142.7	1407	96.5,96.5
60	20.50	19.82	19.13	19.15	20.06	21.19	22.28	21.42	50- 60	22.63	1430	98,98
70	12.29	11.72	12.35	13.46	13.95	13.98	13.91	13.03	60- 70	16.77	1446	99.2,99.2
80	4.849	4.352	4.410	5.194	5.934	6.299	6.458	5.674	70- 80	9.508	1456	99.8,99.8
90	0.0603	0.0581	0.0685	0.0515	0.0542	0.0484	0.0563	0.0528	80- 90	2.584	1458	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): 1370.1 lm

%lum = 93.9%

%lamp = 93.9%

Conical surface Flux(120deg): 1429.6 lm

%lum = 98.0%

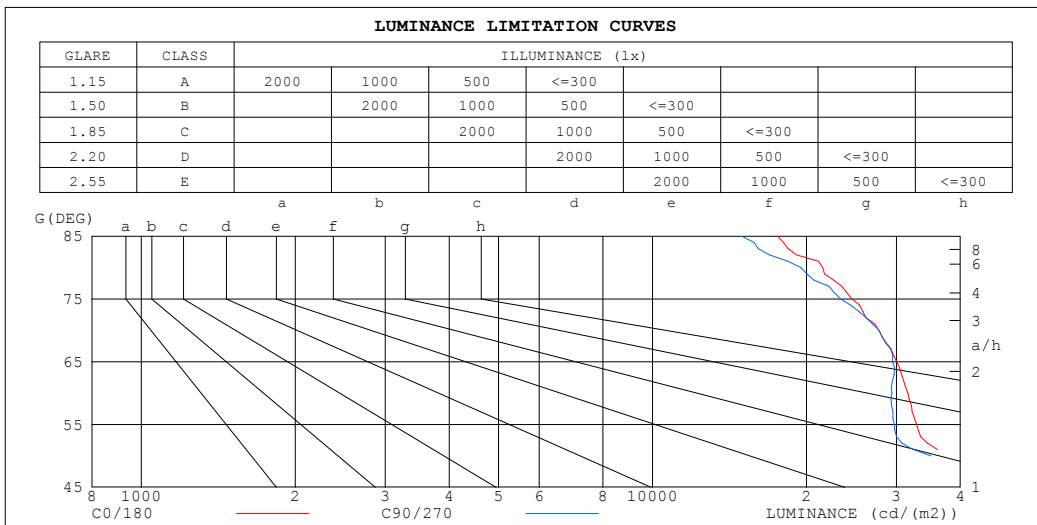
%lamp = 98.0%

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

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz			Lamp Flux:1458.48x1 lm		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653					
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D 13WTYPE:			WEIGHT:		
SPEC.:			DIM.:		
MFR.: Norming lighting			SUR.: 41mm		
			Shielding Angle:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17578	14951
80	21528	19514
75	24557	23343
70	27708	27735
65	30037	29471
60	31611	29404
55	32835	29715
50	42646	35063
45	193529	160971

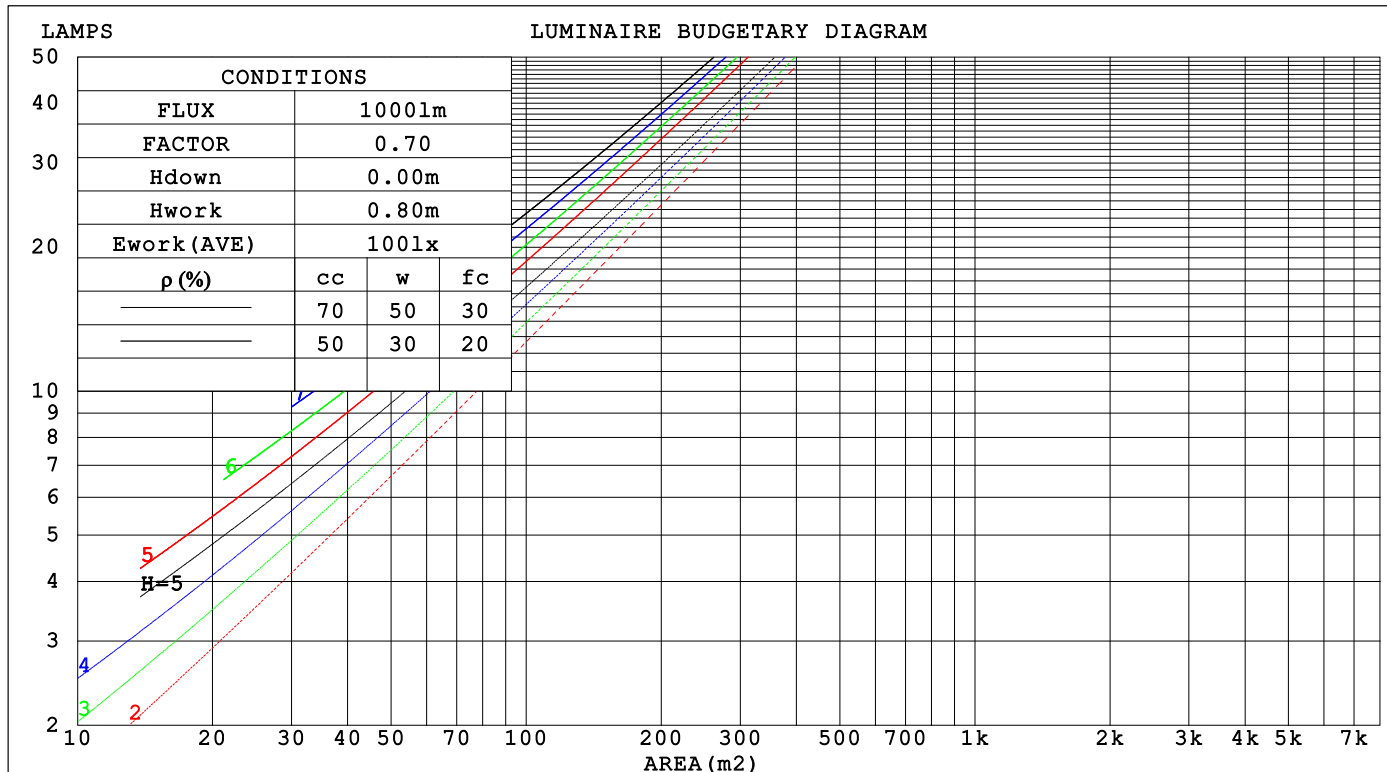
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653 Lamp Flux:1458.48x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D 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	1.10	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	.84	.93	.88	.84	.90	.86	.82	.88	.84	.81	.85	.82	.80	.78														
4.0	.87	.81	.77	.86	.81	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.72														
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.77	.72	.69	.75	.71	.68	.67														
6.0	.76	.69	.65	.75	.69	.65	.73	.68	.64	.72	.67	.64	.71	.66	.63	.62														
7.0	.71	.64	.60	.70	.64	.60	.69	.63	.59	.68	.63	.59	.66	.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	.55	.52	.60	.55	.51	.59	.55	.51	.50														
10.0	.59	.53	.49	.58	.52	.48	.57	.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:2024-10-18

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.95% KDisp:0.9653			Lamp Flux:1458.48x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D			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	.192	.109	.035	.185	.106	.034	.173	.099	.032	.161	.093	.030	.150	.087	.028		
2.0	.184	.101	.031	.179	.098	.030	.168	.093	.029	.158	.089	.028	.149	.084	.027		
3.0	.176	.093	.028	.171	.091	.028	.161	.088	.027	.153	.084	.026	.145	.080	.025		
4.0	.167	.087	.026	.163	.085	.025	.155	.082	.025	.147	.079	.024	.140	.076	.023		
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.142	.075	.022	.136	.072	.022		
6.0	.151	.076	.022	.148	.075	.022	.142	.073	.021	.136	.071	.021	.131	.069	.020		
7.0	.144	.071	.020	.142	.071	.020	.136	.069	.020	.131	.067	.020	.126	.066	.019		
8.0	.138	.067	.019	.135	.067	.019	.130	.065	.019	.126	.064	.018	.121	.062	.018		
9.0	.132	.064	.018	.130	.063	.018	.125	.062	.018	.121	.061	.017	.117	.059	.017		
10.0	.126	.061	.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	.035	.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	.026	.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:2024-10-18

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz UTHDi:0.17% ITHDi:18.95% KDisp:0.9653Lamp Flux:1458.48x1 lm										
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D 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	27.0	28.0	27.2	28.2	28.4	26.6	27.6	26.8	27.8	27.9
3H	26.9	27.9	27.2	28.1	28.3	26.5	27.4	26.8	27.6	27.9
4H	26.9	27.8	27.2	28.0	28.2	26.5	27.4	26.8	27.6	27.8
6H	26.8	27.7	27.1	27.9	28.2	26.4	27.3	26.7	27.5	27.8
8H	26.8	27.6	27.1	27.9	28.1	26.4	27.2	26.7	27.5	27.7
12H	26.8	27.5	27.1	27.8	28.1	26.4	27.1	26.7	27.4	27.7
4H 2H	26.8	27.7	27.0	27.9	28.1	26.3	27.2	26.6	27.5	27.7
3H	26.7	27.5	27.1	27.8	28.1	26.3	27.1	26.7	27.4	27.7
4H	26.7	27.4	27.1	27.7	28.0	26.3	27.0	26.7	27.3	27.6
6H	26.7	27.3	27.1	27.7	28.0	26.3	26.9	26.7	27.3	27.6
8H	26.7	27.2	27.1	27.6	28.0	26.3	26.9	26.7	27.2	27.6
12H	26.7	27.2	27.1	27.5	27.9	26.3	26.8	26.7	27.1	27.5
8H 4H	26.6	27.2	27.0	27.5	27.9	26.2	26.8	26.6	27.2	27.5
6H	26.6	27.1	27.1	27.5	27.9	26.2	26.7	26.7	27.1	27.5
8H	26.6	27.0	27.1	27.4	27.9	26.2	26.6	26.7	27.1	27.5
12H	26.6	26.9	27.1	27.4	27.9	26.2	26.6	26.7	27.0	27.5
12H 4H	26.6	27.1	27.0	27.5	27.9	26.2	26.7	26.6	27.1	27.5
6H	26.6	27.0	27.0	27.4	27.9	26.2	26.6	26.6	27.0	27.5
8H	26.6	26.9	27.0	27.4	27.8	26.2	26.5	26.7	27.0	27.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 6.9					+ 2.4 / - 6.6				
1.5H	+ 4.9 / - 6.9					+ 4.7 / - 6.7				
2.0H	+ 6.3 / - 2.4					+ 5.7 / - 1.9				

CIE Pub.117, 1458 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.3)
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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz			UTHDi:0.17% ITHDi:18.95% KDisp:0.9653			Lamp Flux:1458.48x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D			13WTYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 41mm			Shielding Angle:		

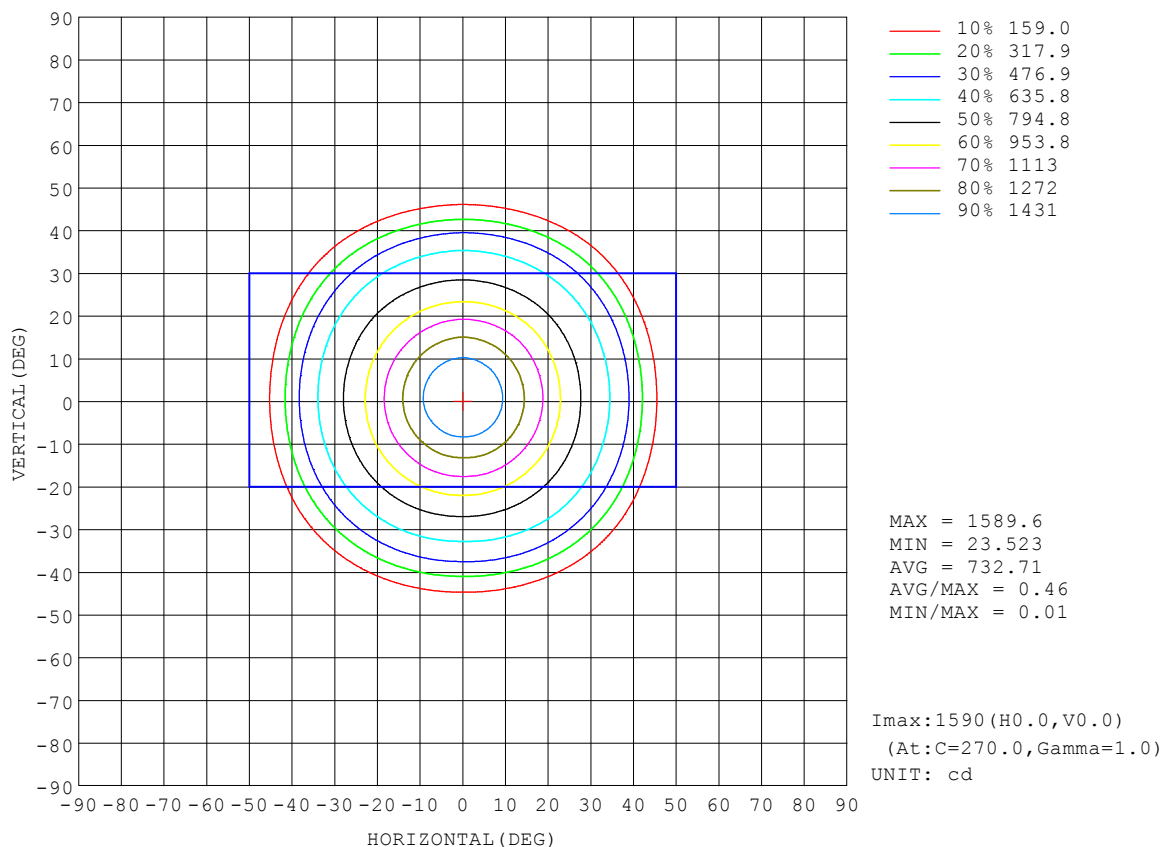
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	84	80	89	84	80	76
1.00	96	90	86	96	90	86	94	90	85	81
1.25	101	95	91	100	95	91	98	93	90	86
1.50	104	99	95	103	98	94	100	96	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	106	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: 2024-10-18

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653 Lamp Flux:1458.48x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D 13WTYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

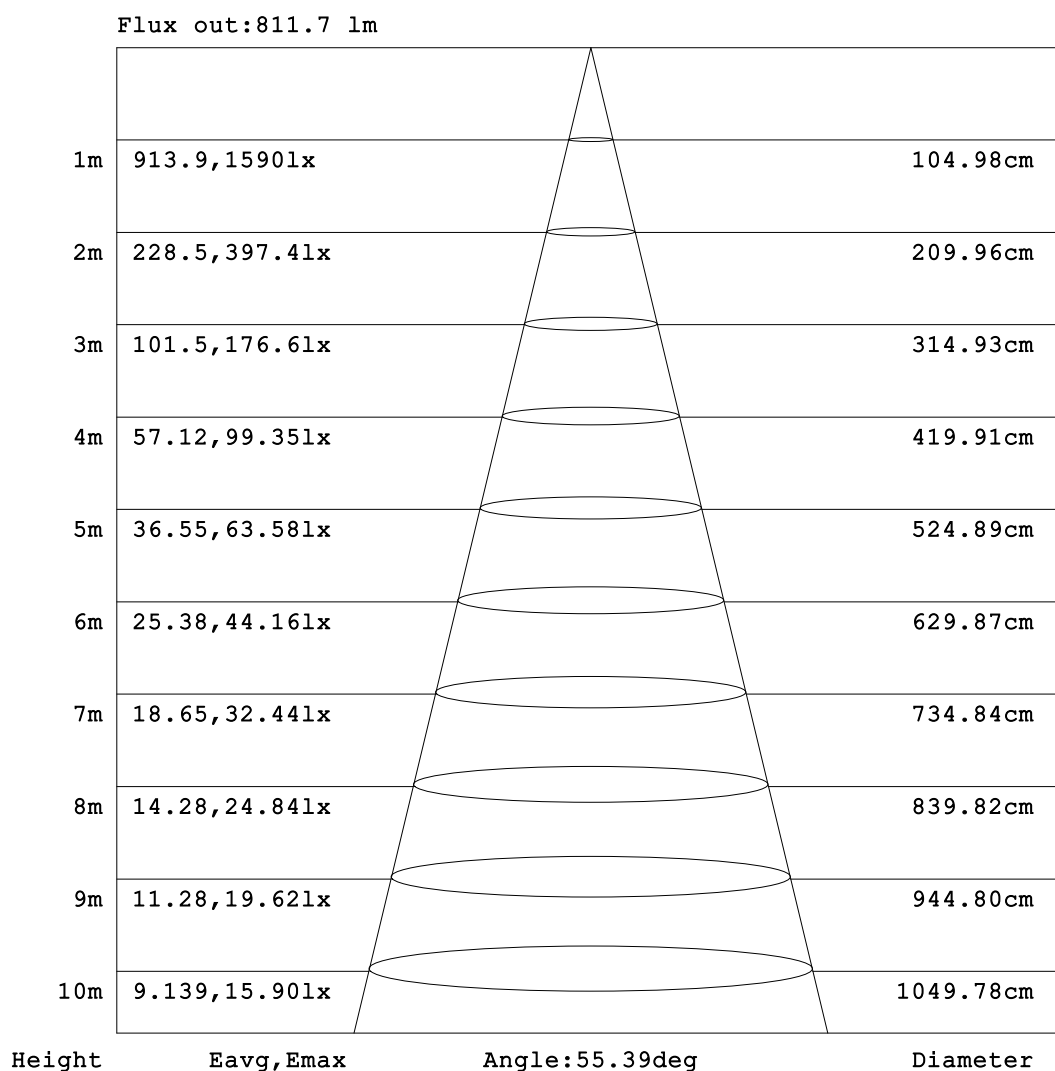


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653		Lamp Flux:1458.48x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



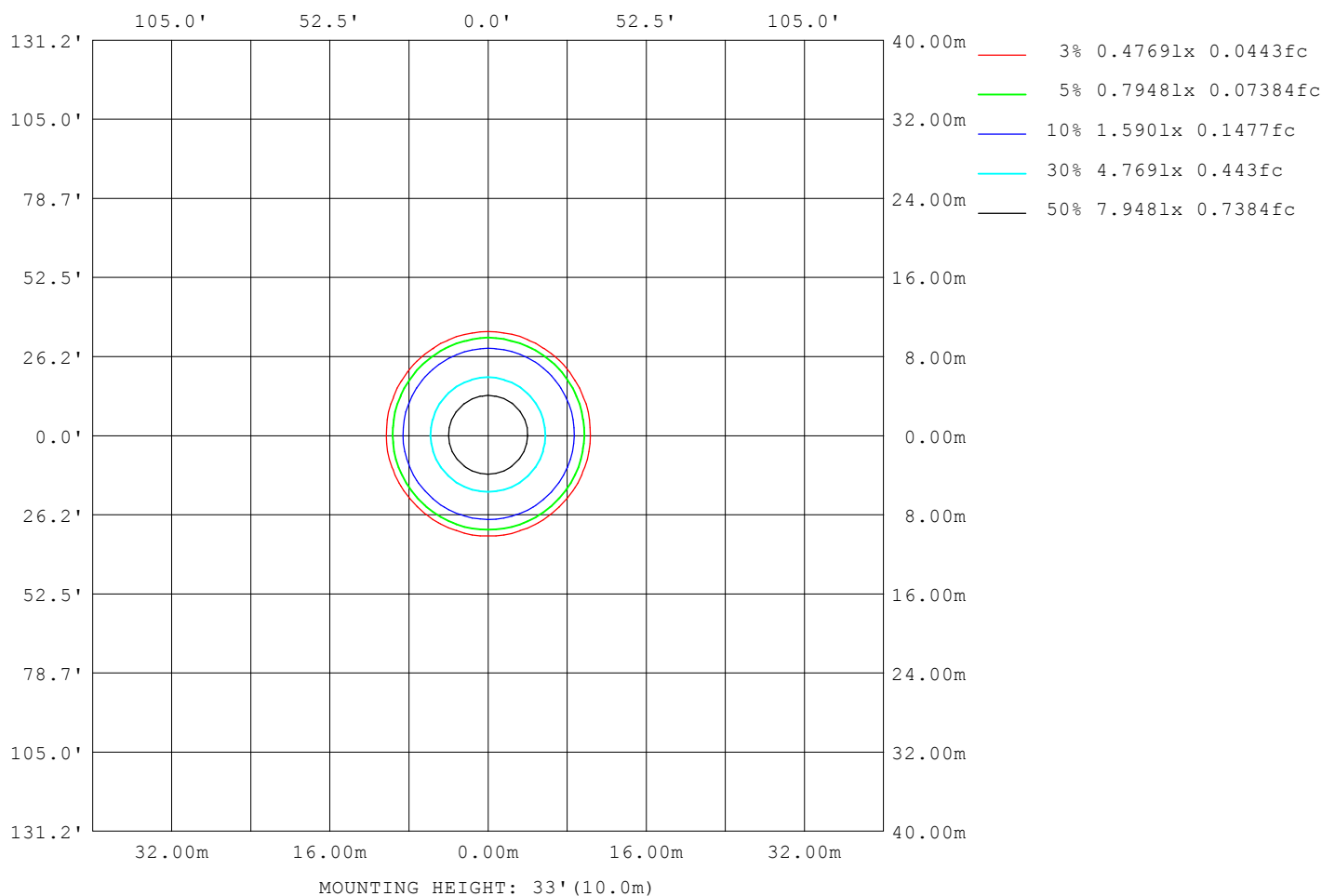
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653		Lamp Flux:1458.48x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	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:0.0546A P:12.4W PF:0.9481 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.95% KDisp:0.9653 Lamp Flux:1458.48x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	13WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

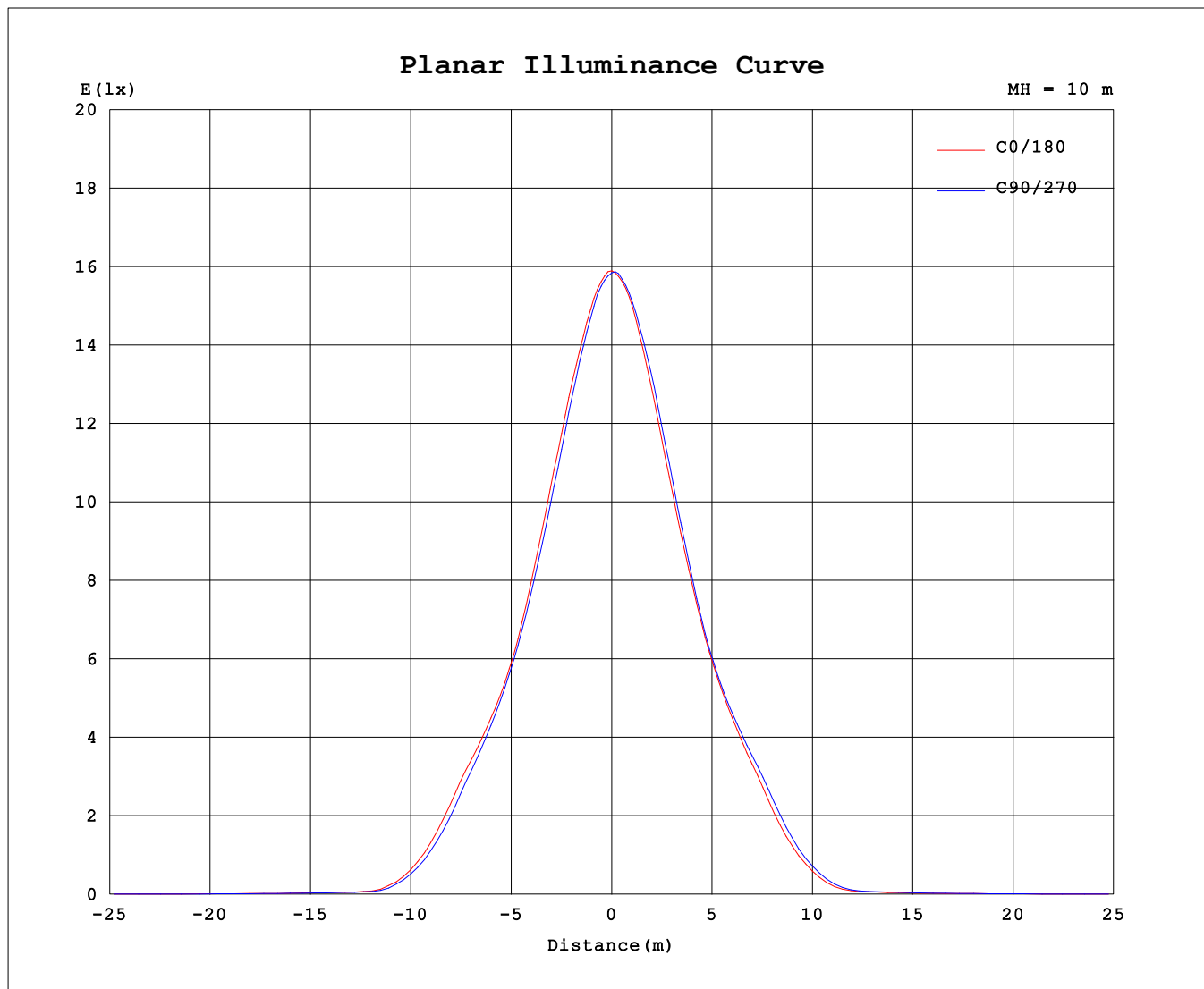
AvgL	cd/m2
L_0~180 (65) av	31081
L_0~180 (75) av	26471
L_0~180 (85) av	22200
L_90~270 (65) av	31263
L_90~270 (75) av	26603
L_90~270 (85) av	23500
L_45 (65) av	30971
L_45 (75) av	26229
L_45 (85) av	22813

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	1586	1586	1586	1586	1586	1586	1586	1586
3.0	1565	1560	1558	1562	1565	1571	1577	1574
6.0	1512	1502	1494	1503	1518	1526	1534	1529
9.0	1436	1421	1412	1420	1434	1451	1465	1457
12.0	1351	1330	1315	1325	1340	1361	1382	1373
15.0	1249	1223	1206	1217	1233	1252	1275	1268
18.0	1140	1111	1099	1109	1125	1141	1161	1161
21.0	1024	997.4	990.5	1001	1016	1029	1045	1047
24.0	909.3	891.1	887.2	897.6	911.4	922.1	930.0	932.3
27.0	811.7	800.7	795.0	806.7	818.8	831.0	833.5	833.1
30.0	734.9	726.1	712.9	725.8	739.3	754.4	757.5	750.0
33.0	667.6	652.3	631.1	643.3	659.8	680.0	691.1	682.1
36.0	595.7	569.8	541.4	552.6	572.3	599.5	619.0	611.6
39.0	474.0	439.2	410.3	420.6	442.1	472.0	501.6	499.3
42.0	322.0	288.5	272.5	276.3	298.6	324.2	350.1	345.9
45.0	177.5	156.4	148.1	150.3	167.5	186.7	206.0	197.2
48.0	75.38	59.96	55.33	59.23	67.76	82.89	90.04	87.35
51.0	29.47	27.01	26.51	27.90	31.61	34.99	36.54	33.66
54.0	25.25	23.80	22.78	22.82	25.04	27.73	29.39	27.50
57.0	22.76	21.81	20.94	20.57	21.46	23.83	25.02	23.89
60.0	20.50	19.82	19.13	19.15	20.06	21.19	22.28	21.42
63.0	18.07	17.59	17.55	17.90	18.67	19.26	19.66	18.72
66.0	15.62	15.16	15.61	16.37	17.05	17.23	17.25	16.33
69.0	13.08	12.51	13.12	14.15	14.80	14.75	14.78	13.85
72.0	10.49	9.909	10.53	11.52	12.17	12.21	12.40	11.35
75.0	8.245	7.550	7.863	8.845	9.569	9.791	10.04	9.115
78.0	6.096	5.449	5.594	6.523	7.304	7.643	7.870	7.034
81.0	4.283	3.694	3.747	4.512	5.341	5.753	5.883	5.104
84.0	2.446	2.053	2.148	2.751	3.499	4.098	4.046	3.228
87.0	0.5635	0.3600	0.3415	0.5743	1.047	1.708	1.715	1.160
90.0	0.0603	0.0581	0.0685	0.0515	0.0542	0.0484	0.0563	0.0528

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