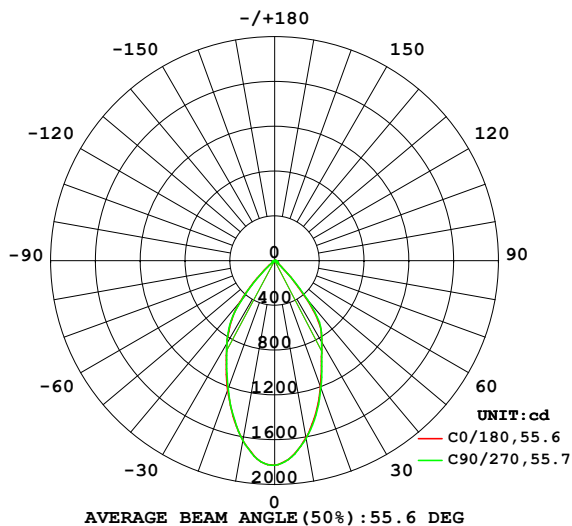


LUMINAIRE PHOTOMETRIC TEST REPORT

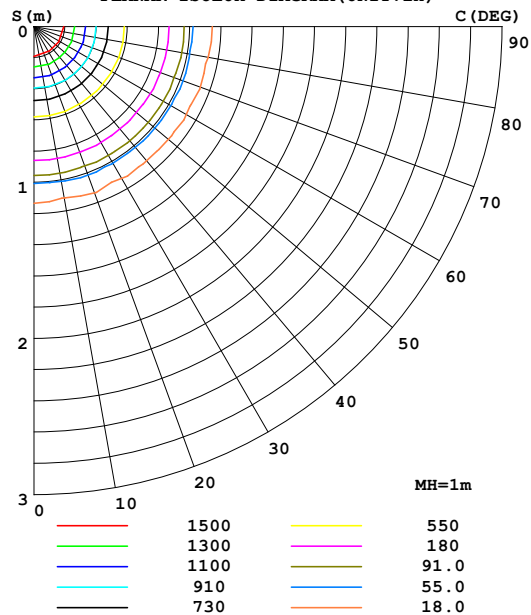
Test:U:240.4V I:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773 Lamp Flux:1674.9x1 lm		
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 114.21 lm/W			
MODEL		Imax (cd)	1827	S/MH(C0/180)	0.81
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1674.9	η UP,DN(C0-180)	0.0,49.7
NOMINAL FLUX(lm)	1674.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.3
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	240.38	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	1610	1608	1613	1628	1631	1633	1632	1623	0- 10	164.0	164.0	9.79,9.79
20	1198	1211	1211	1218	1230	1228	1218	1197	10- 20	397.7	561.7	33.5,33.5
30	842.4	844.2	845.7	857.2	854.2	859.4	857.0	852.0	20- 30	466.1	1028	61.4,61.4
40	439.9	451.8	462.6	480.0	484.1	482.7	466.7	445.0	30- 40	426.8	1455	86.8,86.8
50	43.17	42.43	39.55	40.81	43.63	42.22	43.04	42.94	40- 50	159.6	1614	96.4,96.4
60	25.48	25.39	24.48	23.78	21.99	21.39	22.86	25.32	50- 60	26.59	1641	98,98
70	15.97	15.47	14.79	14.60	15.49	15.86	16.05	15.98	60- 70	19.65	1660	99.1,99.1
80	7.352	6.973	6.305	5.680	5.696	6.094	6.582	7.200	70- 80	11.38	1672	99.8,99.8
90	0.0696	0.0594	0.0759	0.0663	0.0747	0.0693	0.0739	0.0660	80- 90	3.123	1675	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): 1573.6 lm

%lum = 93.9%

%lamp = 93.9%

Conical surface Flux(120deg): 1640.7 lm

%lum = 98.0%

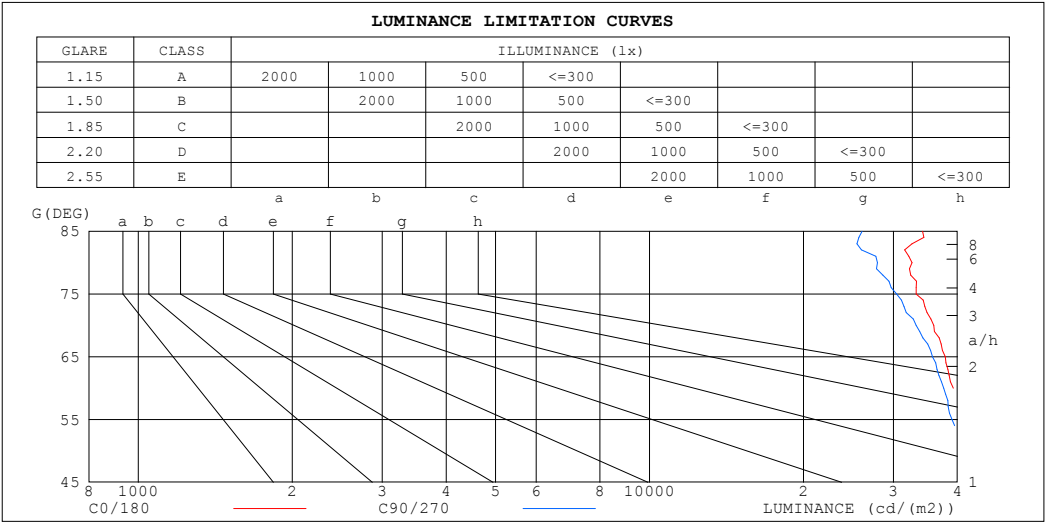
%lamp = 98.0%

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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		Lamp Flux:1674.9x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15W TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	34183	26037
80	32624	27913
75	33219	30438
70	35986	33248
65	37899	35754
60	39262	37636
55	43737	39053
50	51751	47299
45	176671	193264

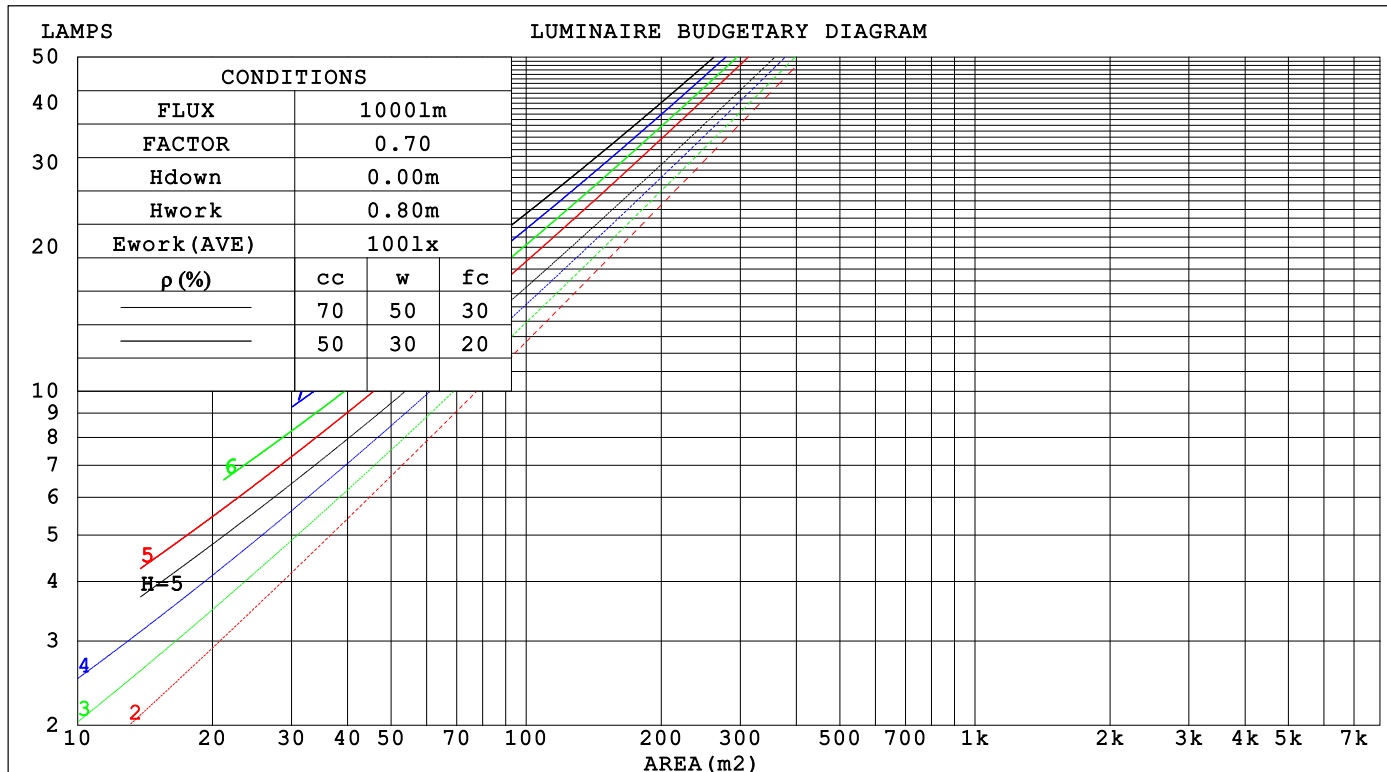
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		
Lamp Flux:1674.9x1 lm		
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	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	.98	.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	.67	.63	.62
7.0	.71	.64	.60	.70	.64	.60	.69	.63	.60	.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	.56	.52	.60	.55	.51	.59	.55	.51	.50
10.0	.59	.53	.49	.58	.52	.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:2024-10-18

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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz			UTHDi:0.18% ITHDi:17.49% KDisp:0.9773			Lamp Flux:1674.9x1 lm		
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D			15WTYPE:			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	.087	.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	.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:2024-10-18

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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz UTHDi:0.18% ITHDi:17.49% KDisp:0.9773Lamp Flux:1674.9x1 lm										
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D 15WTYPE:						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	27.3	28.3	27.5	28.5	28.7	27.4	28.4	27.6	28.6	28.8
3H	27.3	28.2	27.5	28.4	28.6	27.3	28.3	27.6	28.5	28.7
4H	27.2	28.1	27.5	28.4	28.6	27.3	28.2	27.6	28.4	28.6
6H	27.2	28.1	27.5	28.3	28.6	27.3	28.1	27.6	28.4	28.6
8H	27.2	28.0	27.5	28.3	28.5	27.3	28.1	27.6	28.3	28.6
12H	27.2	28.0	27.5	28.2	28.5	27.2	28.0	27.6	28.3	28.5
4H 2H	27.1	28.0	27.4	28.2	28.4	27.2	28.1	27.5	28.3	28.5
3H	27.1	27.9	27.4	28.2	28.4	27.2	27.9	27.5	28.2	28.5
4H	27.1	27.8	27.5	28.1	28.5	27.2	27.9	27.5	28.2	28.5
6H	27.2	27.8	27.6	28.1	28.5	27.2	27.8	27.6	28.1	28.5
8H	27.2	27.8	27.6	28.1	28.5	27.2	27.8	27.6	28.1	28.5
12H	27.2	27.7	27.6	28.1	28.5	27.2	27.7	27.6	28.1	28.5
8H 4H	27.1	27.6	27.5	28.0	28.4	27.1	27.7	27.5	28.0	28.4
6H	27.1	27.6	27.6	28.0	28.4	27.2	27.6	27.6	28.0	28.4
8H	27.2	27.6	27.6	28.0	28.4	27.2	27.6	27.6	28.0	28.4
12H	27.2	27.6	27.7	28.0	28.5	27.2	27.5	27.7	28.0	28.4
12H 4H	27.0	27.5	27.4	27.9	28.3	27.1	27.6	27.5	28.0	28.4
6H	27.1	27.5	27.6	27.9	28.4	27.1	27.5	27.6	28.0	28.4
8H	27.2	27.5	27.6	28.0	28.4	27.2	27.5	27.6	28.0	28.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.5 / - 5.5					+ 2.6 / - 6.0				
1.5H	+ 4.8 / - 5.4					+ 4.9 / - 6.0				
2.0H	+ 4.6 / - 1.3					+ 5.3 / - 1.5				

CIE Pub.117, 1675 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.8)
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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		Lamp Flux:1674.9x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

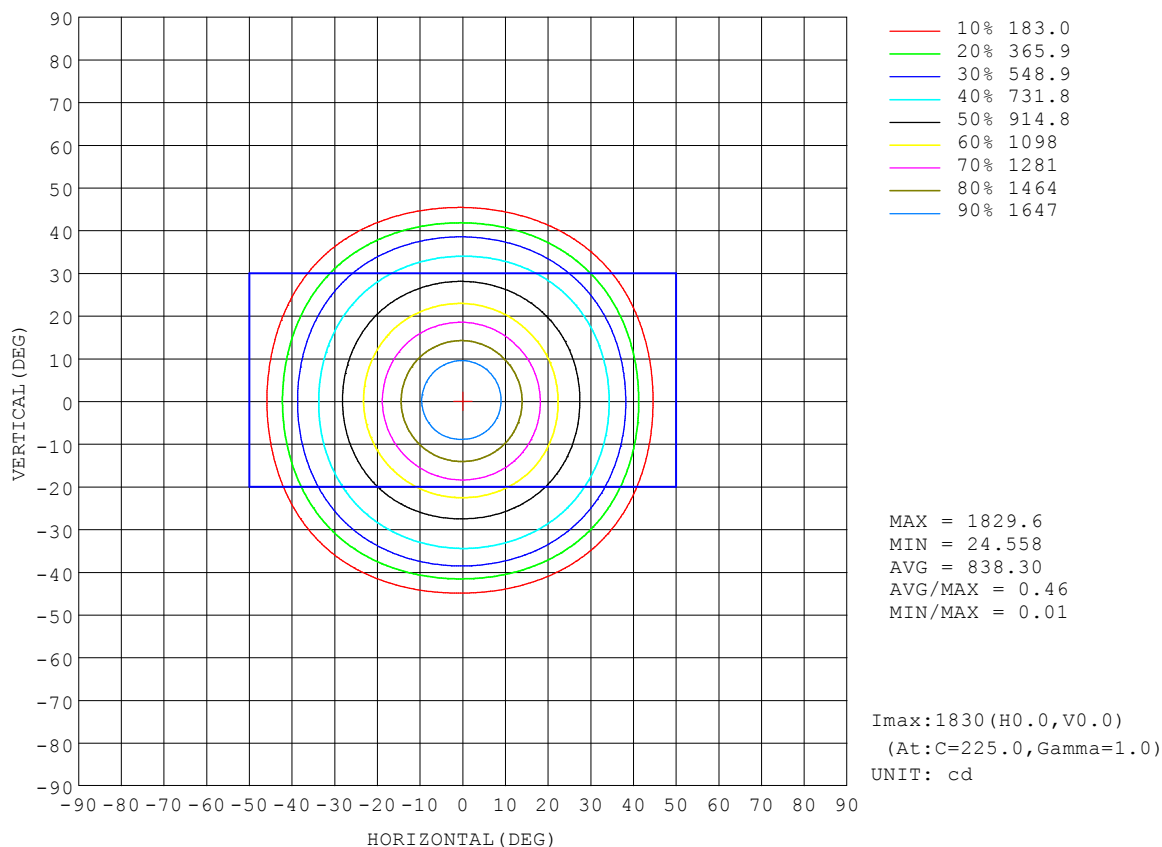
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	85	81	91	84	80	89	84	80	76
1.00	97	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	95	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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		Lamp Flux:1674.9x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

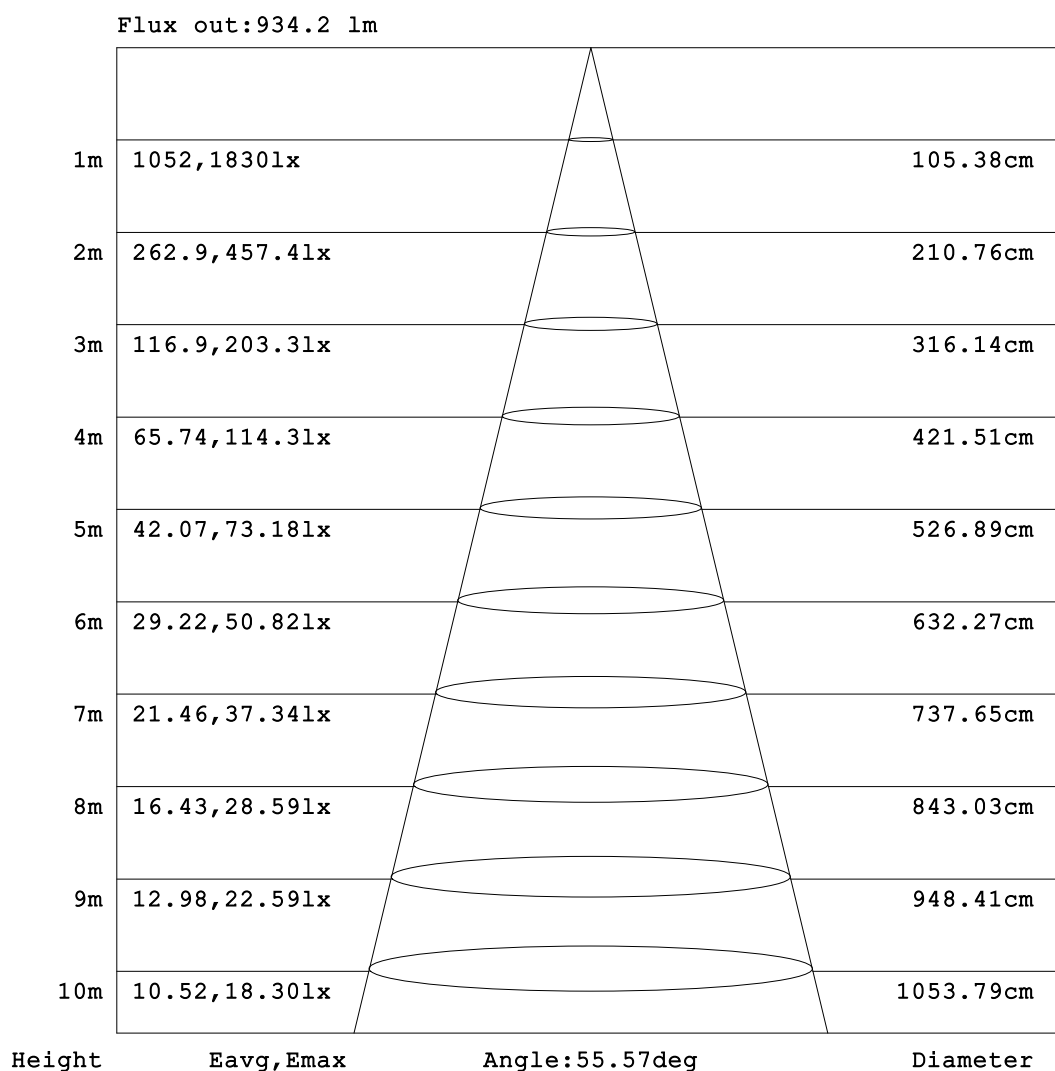


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		Lamp Flux:1674.9x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15W TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



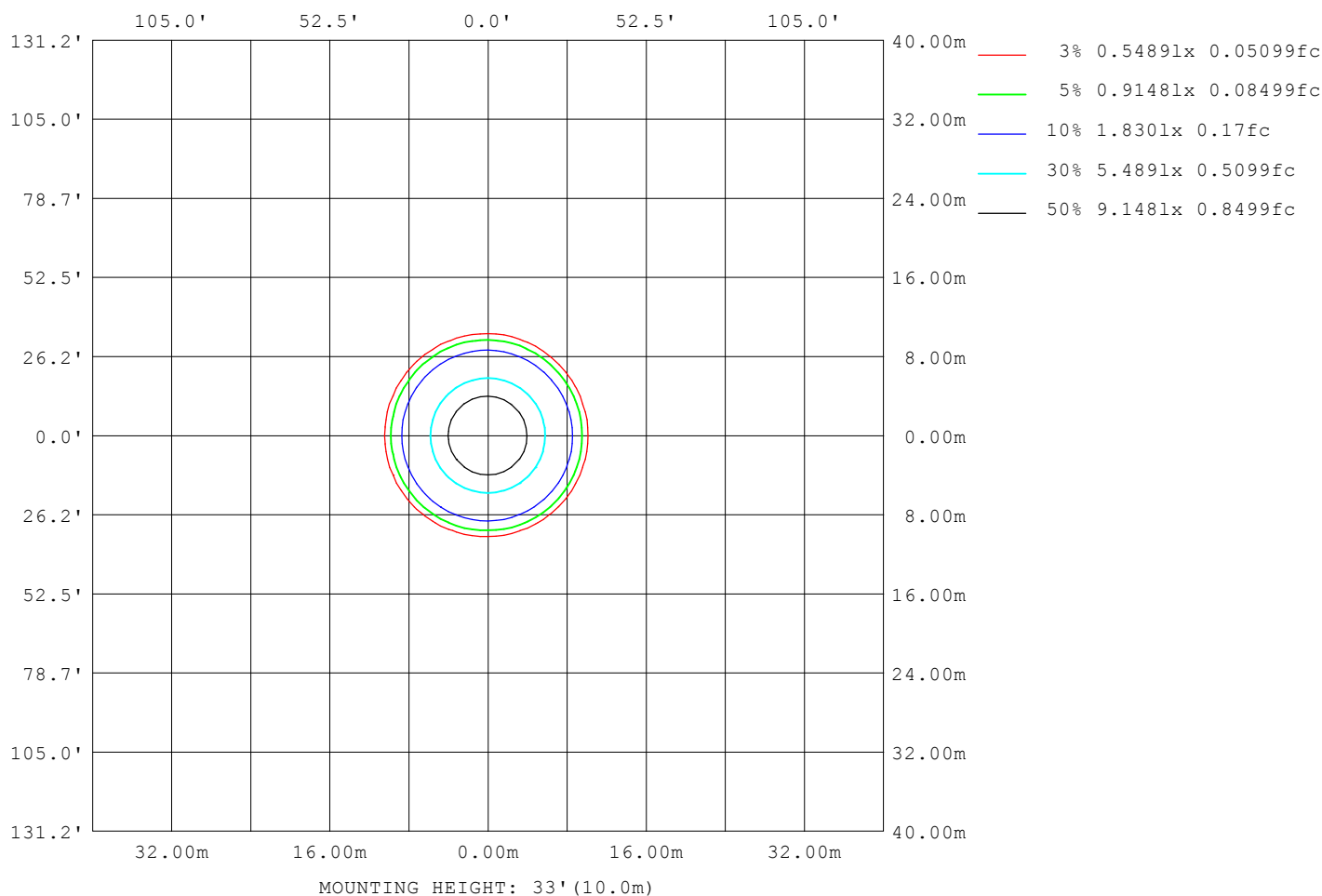
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

γ Range: 0 - 90 DEG
 γ Interval: 1.0 DEG
 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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		Lamp Flux:1674.9x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15WTYPE:	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:0.0634A P:14.7W PF:0.9625 Freq:49.99Hz		
UTHDi:0.18% ITHDi:17.49% KDisp:0.9773		Lamp Flux:1674.9x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 4000K RA90 60D	15WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

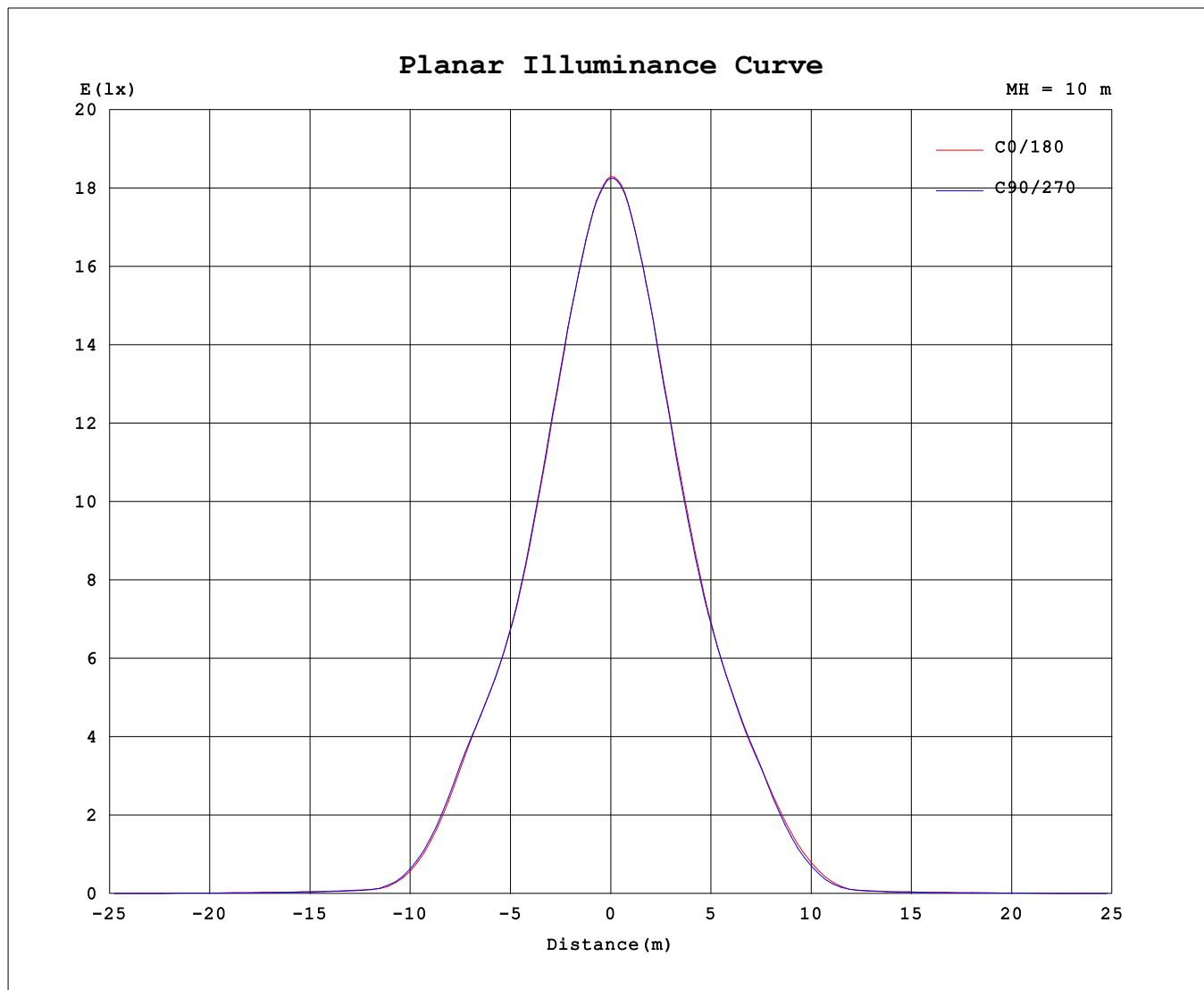
AvgL	cd/m2
L_0~180 (65) av	36444
L_0~180 (75) av	31947
L_0~180 (85) av	27493
L_90~270 (65) av	36275
L_90~270 (75) av	31373
L_90~270 (85) av	27288
L_45 (65) av	36405
L_45 (75) av	31450
L_45 (85) av	27648

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:

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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	1827	1827	1827	1827	1827	1827	1827	1827
3.0	1794	1794	1797	1808	1814	1814	1813	1803
6.0	1732	1732	1735	1750	1753	1756	1756	1744
9.0	1642	1642	1644	1661	1664	1666	1667	1657
12.0	1538	1539	1545	1557	1560	1559	1560	1544
15.0	1416	1421	1427	1434	1438	1436	1433	1417
18.0	1286	1296	1301	1304	1313	1313	1304	1286
21.0	1154	1167	1167	1175	1189	1188	1175	1153
24.0	1027	1041	1037	1052	1066	1067	1055	1032
27.0	925.4	933.8	930.6	946.5	952.3	955.9	949.3	936.3
30.0	842.4	844.2	845.7	857.2	854.2	859.4	857.0	852.0
33.0	767.4	768.5	771.0	769.1	754.4	760.5	763.2	769.5
36.0	664.1	673.8	681.0	674.6	655.3	661.6	665.9	666.0
39.0	500.5	511.3	523.0	535.4	533.7	536.7	522.5	503.8
42.0	319.6	333.4	340.6	364.9	378.3	371.7	354.8	330.0
45.0	162.1	170.1	177.8	209.5	225.0	215.1	201.4	175.6
48.0	62.97	63.97	73.28	85.46	96.39	92.85	81.84	74.48
51.0	40.28	39.36	36.12	33.27	32.65	32.68	36.57	39.64
54.0	34.05	32.93	30.21	28.46	26.92	26.45	28.57	32.97
57.0	29.70	28.31	27.21	26.26	24.30	23.25	24.76	28.58
60.0	25.48	25.39	24.48	23.78	21.99	21.39	22.86	25.32
63.0	22.58	22.33	21.56	21.28	20.39	20.00	21.15	22.61
66.0	19.74	19.47	18.75	18.62	18.59	18.55	19.51	19.83
69.0	16.79	16.41	15.73	15.56	16.30	16.59	17.02	16.88
72.0	14.00	13.53	12.77	12.55	13.43	13.86	13.93	13.86
75.0	11.16	10.84	10.25	9.681	10.34	10.74	10.86	11.07
78.0	8.744	8.340	7.735	7.244	7.525	7.998	8.207	8.697
81.0	6.531	6.223	5.640	5.033	5.065	5.414	5.933	6.507
84.0	4.665	4.106	3.493	2.948	2.835	3.096	3.773	4.630
87.0	1.347	1.154	0.9798	1.046	0.9196	0.9799	1.265	1.472
90.0	0.0696	0.0594	0.0759	0.0663	0.0747	0.0693	0.0739	0.0660

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