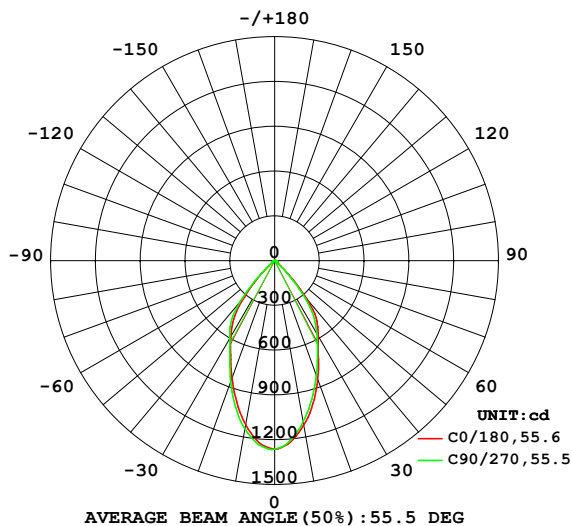


LUMINAIRE PHOTOMETRIC TEST REPORT

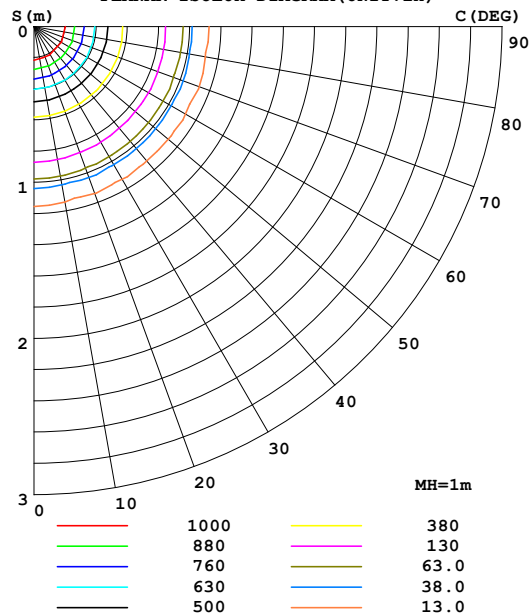
Test:U:240.4V I:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479		Lamp Flux:1162.09x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 117.73 lm/W
MODEL		Imax (cd)	1267	S/MH(C0/180)	0.80	
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	0.82	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1162.1	η UP,DN(C0-180)	0.0,48.7	
NOMINAL FLUX(lm)	1162.09	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	1120	1108	1098	1106	1118	1134	1146	1139	0- 10	113.4	113.4	9.76,9.76
20	845.7	824.8	817.7	824.9	837.7	849.4	862.8	865.8	10- 20	275.2	388.6	33.4,33.4
30	584.8	578.4	567.8	578.0	588.3	600.8	603.4	597.6	20- 30	322.3	710.9	61.2,61.2
40	338.1	309.8	290.6	297.0	313.3	337.5	360.3	357.6	30- 40	295.9	1007	86.6,86.6
50	28.52	24.75	23.64	24.73	28.26	33.21	36.26	33.86	40- 50	114.0	1121	96.4,96.4
60	16.43	15.94	15.43	15.45	15.95	16.99	17.89	17.15	50- 60	18.15	1139	98,98
70	9.874	9.430	9.938	10.80	11.07	11.18	11.15	10.51	60- 70	13.45	1152	99.2,99.2
80	3.906	3.505	3.540	4.157	4.684	5.019	5.159	4.568	70- 80	7.625	1160	99.8,99.8
90	0.0471	0.0430	0.0547	0.0396	0.0413	0.0379	0.0428	0.0416	80- 90	2.060	1162	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): 1091.3 lm

%lum = 93.9%

%lamp = 93.9%

Conical surface Flux(120deg): 1139 lm

%lum = 98.0%

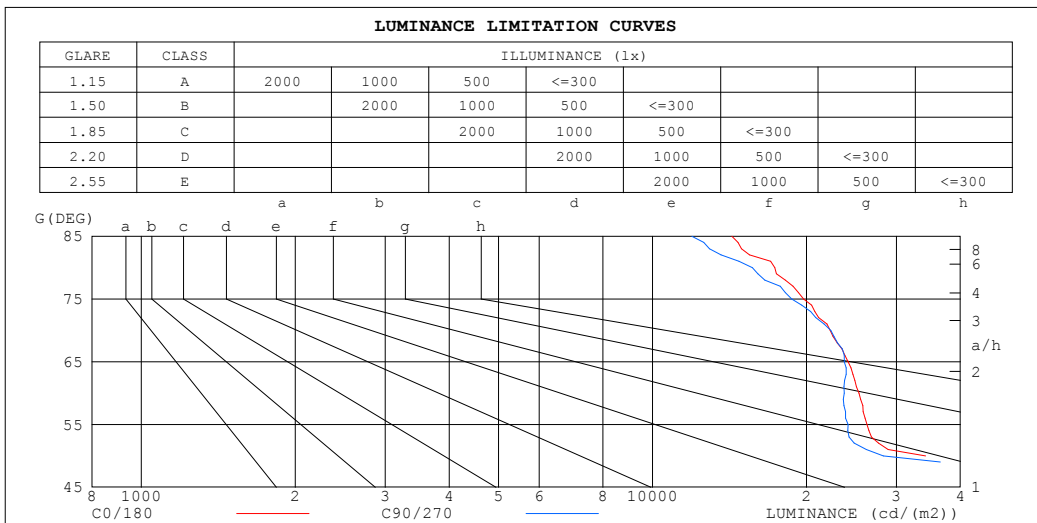
%lamp = 98.0%

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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz			Lamp Flux:1162.09x1 lm		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479					
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D			LOWTYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Norming lighting			SUR.: 41mm		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14300	11946
80	17351	15668
75	19744	18719
70	22270	22334
65	24143	23718
60	25355	23722
55	26272	24124
50	34220	28266
45	153854	129122

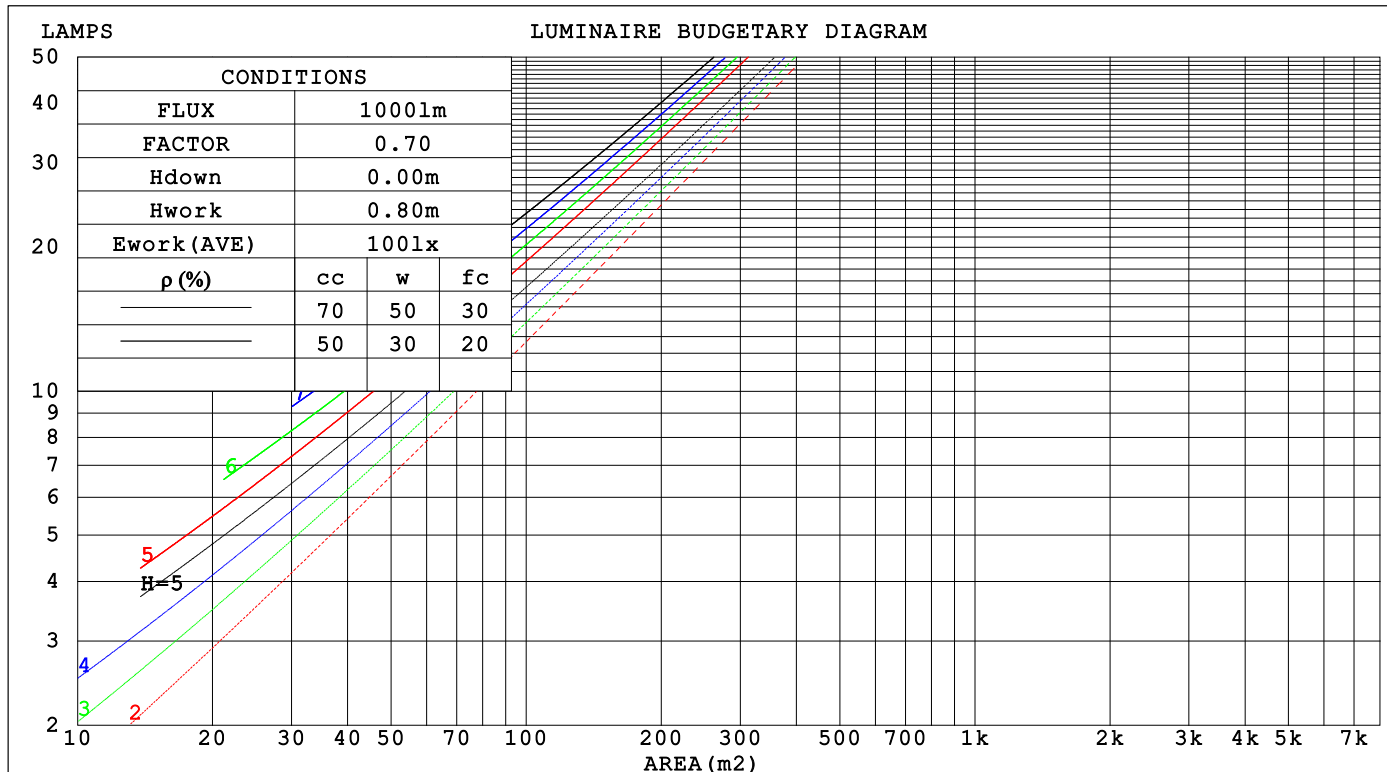
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479 Lamp Flux:1162.09x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D 10W	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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz			UTHDi:0.18% ITHDi:19.05% KDisp:0.9479			Lamp Flux:1162.09x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K 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						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	.162	.088	.027	.153	.084	.026	.145	.080	.025		
4.0	.167	.087	.026	.163	.085	.025	.155	.082	.025	.147	.079	.024	.141	.076	.023		
5.0	.159	.081	.023	.155	.080	.023	.148	.077	.023	.142	.075	.022	.136	.073	.022		
6.0	.152	.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	.122	.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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz										
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479						Lamp Flux:1162.09x1 lm				
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K 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	26.2	27.2	26.4	27.4	27.6	25.8	26.8	26.0	27.0	27.2
3H	26.1	27.1	26.4	27.3	27.5	25.7	26.7	26.0	26.9	27.1
4H	26.1	27.0	26.4	27.2	27.4	25.7	26.6	26.0	26.8	27.0
6H	26.0	26.9	26.4	27.1	27.4	25.7	26.5	26.0	26.7	27.0
8H	26.0	26.8	26.3	27.1	27.3	25.6	26.4	25.9	26.7	27.0
12H	26.0	26.8	26.3	27.0	27.3	25.6	26.4	25.9	26.6	26.9
4H 2H	26.0	26.9	26.3	27.1	27.3	25.6	26.5	25.9	26.7	26.9
3H	25.9	26.7	26.3	27.0	27.3	25.6	26.3	25.9	26.6	26.9
4H	25.9	26.6	26.3	26.9	27.3	25.6	26.3	25.9	26.6	26.9
6H	25.9	26.5	26.3	26.9	27.2	25.5	26.2	25.9	26.5	26.8
8H	25.9	26.5	26.3	26.8	27.2	25.5	26.1	25.9	26.4	26.8
12H	25.9	26.4	26.3	26.8	27.2	25.5	26.0	25.9	26.4	26.8
8H 4H	25.8	26.4	26.2	26.8	27.1	25.5	26.0	25.9	26.4	26.8
6H	25.8	26.3	26.3	26.7	27.1	25.5	25.9	25.9	26.3	26.8
8H	25.8	26.2	26.3	26.7	27.1	25.5	25.9	25.9	26.3	26.7
12H	25.8	26.2	26.3	26.6	27.1	25.4	25.8	25.9	26.2	26.7
12H 4H	25.8	26.3	26.2	26.7	27.1	25.4	25.9	25.8	26.3	26.7
6H	25.8	26.2	26.3	26.6	27.1	25.4	25.8	25.9	26.3	26.7
8H	25.8	26.2	26.3	26.6	27.1	25.4	25.8	25.9	26.2	26.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 6.8					+ 2.4 / - 6.5				
1.5H	+ 4.9 / - 6.9					+ 4.7 / - 6.7				
2.0H	+ 6.3 / - 2.3					+ 5.7 / - 1.9				

CIE Pub.117, 1162 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.5)
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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz			UTHDi:0.18% ITHDi:19.05% KDisp:0.9479			Lamp Flux:1162.09x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D			LOWTYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Norming lighting			SUR.: 41mm			Shielding Angle:		

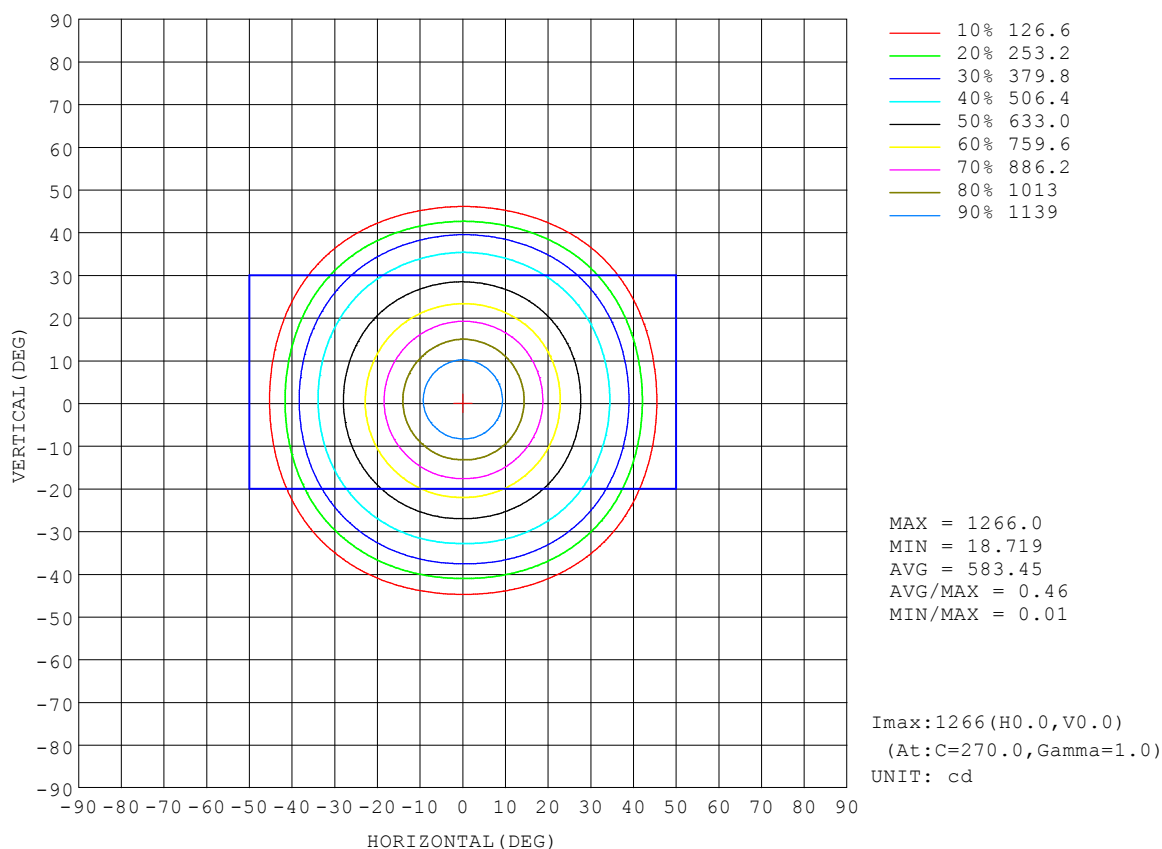
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	83	76	72	82	76	72	68
0.80	91	85	80	91	84	80	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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479		Lamp Flux:1162.09x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	10WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

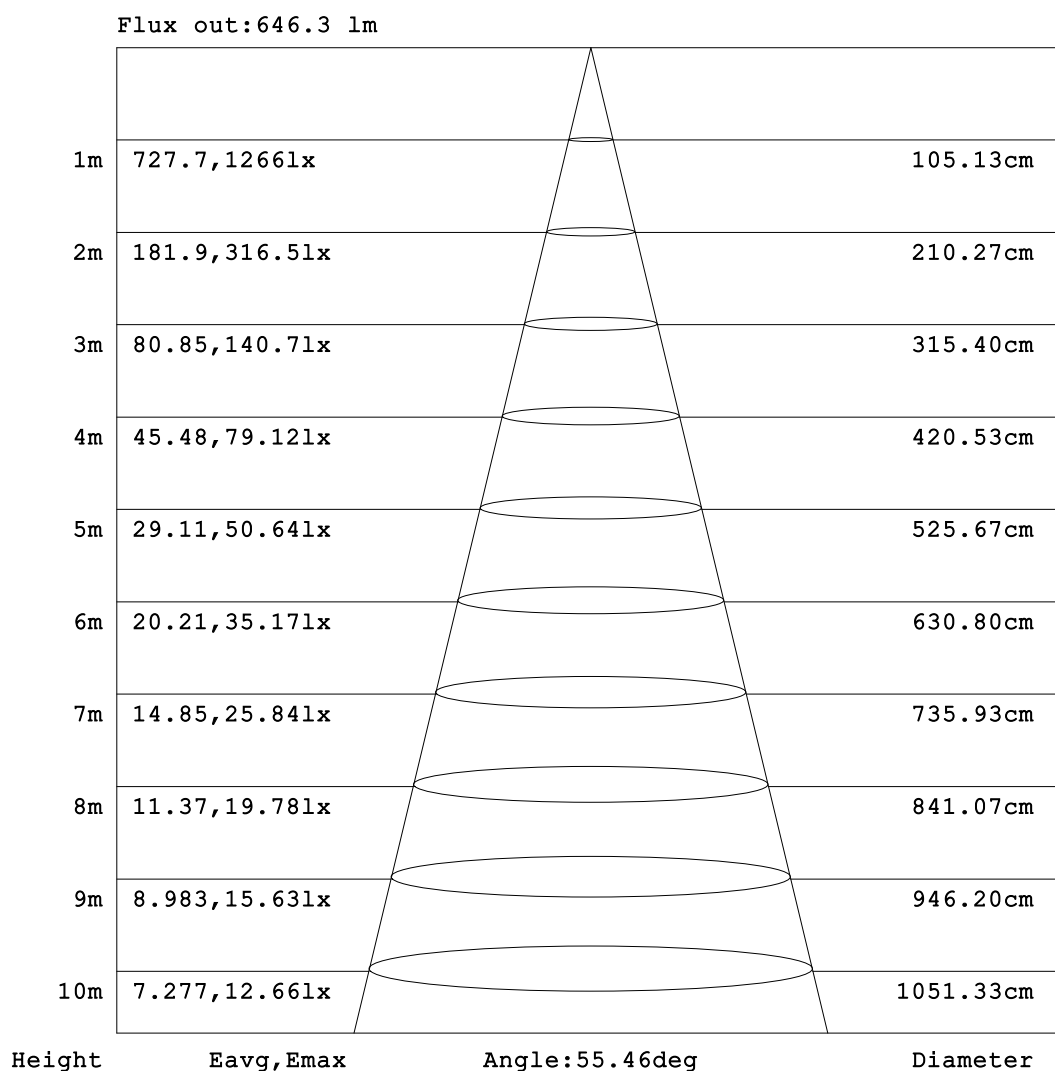


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-18

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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479		Lamp Flux:1162.09x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



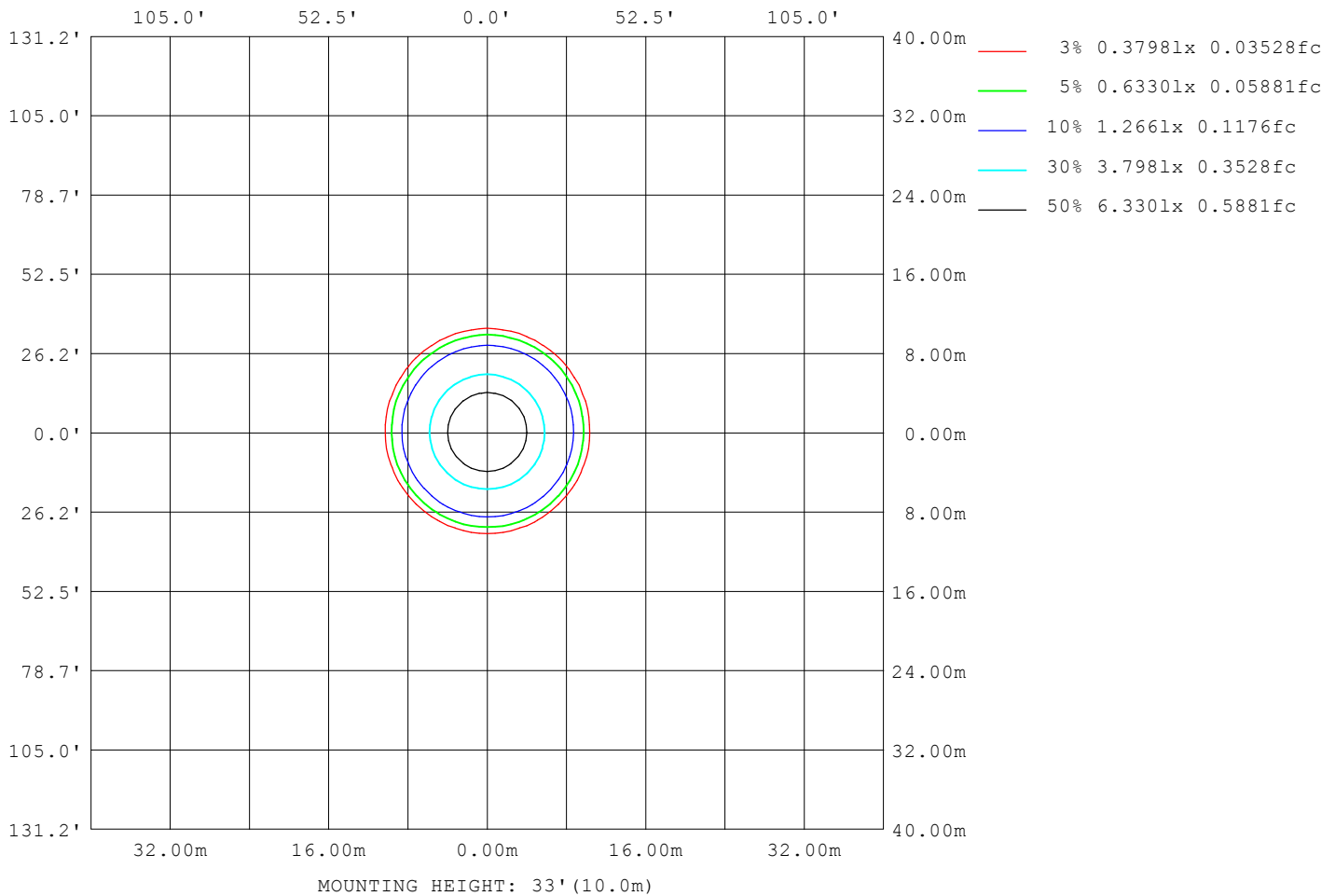
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479		Lamp Flux:1162.09x1 lm
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K 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:2024-10-18

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:0.0441A P:9.9W PF:0.9307 Freq:49.99Hz		
UTHDi:0.18% ITHDi:19.05% KDisp:0.9479 Lamp Flux:1162.09x1 lm		
NAME: FUSION-MD23-AHD-013-COB-02SC 4000K RA90 60D	LOWTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

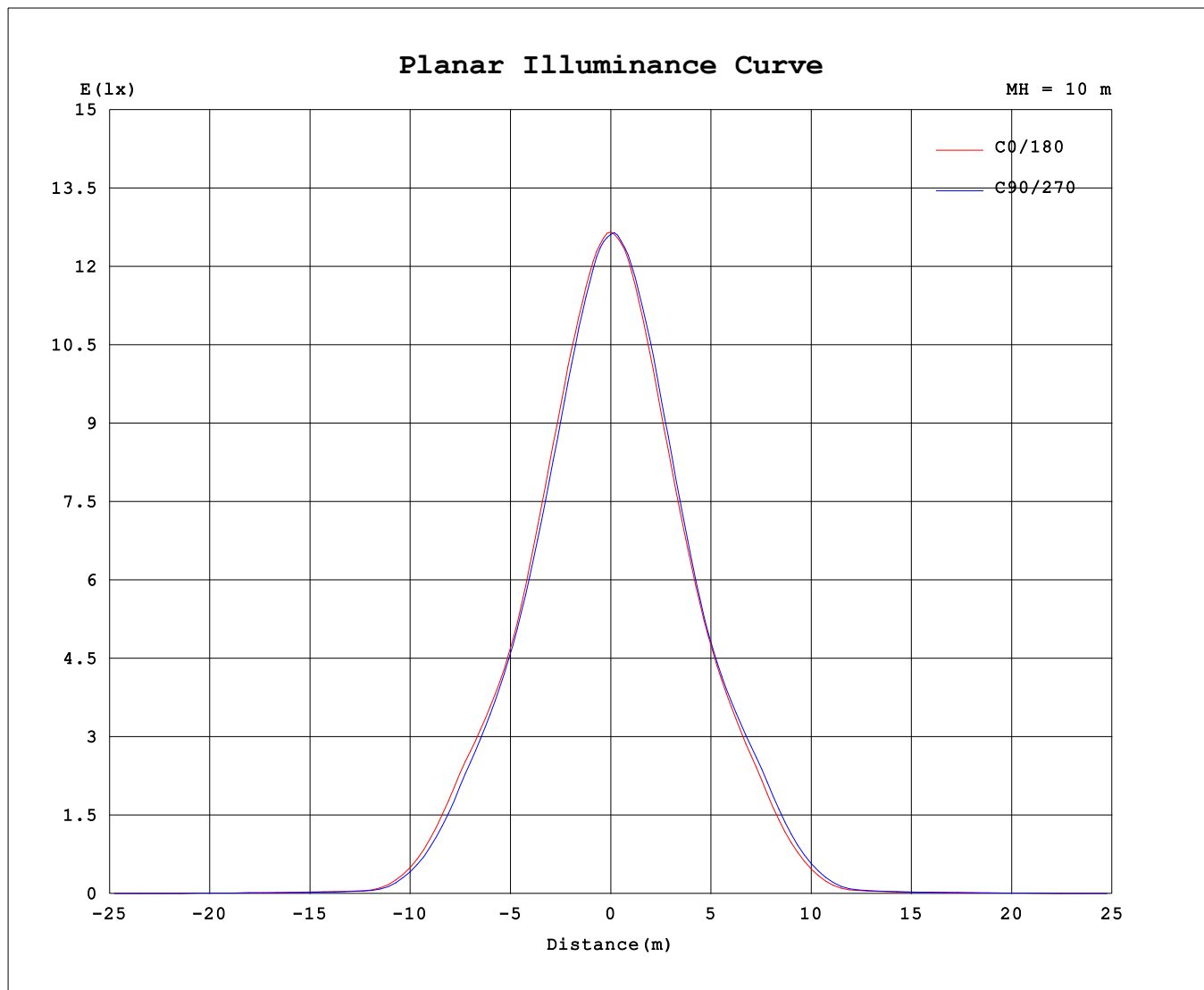
AvgL	cd/m2
L_0~180 (65) av	24833
L_0~180 (75) av	21115
L_0~180 (85) av	17778
L_90~270 (65) av	25116
L_90~270 (75) av	21335
L_90~270 (85) av	18670
L_45 (65) av	24904
L_45 (75) av	21117
L_45 (85) av	18159

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	1262	1262	1262	1262	1262	1262	1262	1262
3.0	1245	1242	1242	1245	1246	1251	1255	1253
6.0	1203	1196	1189	1197	1206	1215	1222	1218
9.0	1143	1131	1125	1131	1141	1155	1166	1161
12.0	1075	1059	1046	1054	1067	1084	1100	1094
15.0	992.9	974.5	961.9	969.5	981.6	997.3	1014	1010
18.0	906.7	884.7	876.1	883.2	896.0	908.4	924.7	924.4
21.0	814.6	794.8	789.5	797.1	809.2	818.9	831.6	834.8
24.0	722.8	710.3	707.2	715.0	725.3	733.8	740.3	742.8
27.0	645.6	638.2	633.7	642.8	652.4	661.8	663.5	664.1
30.0	584.8	578.4	567.8	578.0	588.3	600.8	603.4	597.6
33.0	531.2	520.0	502.9	512.4	524.6	541.6	550.8	543.5
36.0	474.1	454.2	431.5	439.9	454.9	477.3	493.3	487.5
39.0	376.8	350.6	327.4	336.1	352.0	376.8	400.1	397.6
42.0	256.2	231.5	217.8	223.4	238.0	259.2	278.7	275.9
45.0	141.0	125.0	118.8	120.8	134.0	149.5	163.4	156.9
48.0	57.53	48.04	44.68	47.85	54.35	64.28	71.87	67.27
51.0	23.57	21.76	21.44	22.09	24.96	28.09	29.33	27.06
54.0	20.18	19.22	18.43	18.31	19.88	22.24	23.64	22.07
57.0	18.23	17.56	16.89	16.52	17.06	19.04	20.15	19.17
60.0	16.43	15.94	15.43	15.45	15.95	16.99	17.89	17.15
63.0	14.50	14.16	14.13	14.40	14.83	15.44	15.74	15.05
66.0	12.54	12.18	12.55	13.15	13.56	13.80	13.84	13.15
69.0	10.48	10.05	10.56	11.38	11.78	11.83	11.86	11.14
72.0	8.466	7.981	8.387	9.255	9.659	9.809	9.925	9.172
75.0	6.625	6.084	6.303	7.093	7.585	7.898	8.054	7.345
78.0	4.903	4.381	4.489	5.222	5.760	6.101	6.288	5.675
81.0	3.450	2.976	3.004	3.603	4.209	4.576	4.688	4.108
84.0	1.991	1.658	1.713	2.184	2.764	3.233	3.223	2.609
87.0	0.4611	0.2897	0.2618	0.4451	0.8247	1.320	1.333	0.9306
90.0	0.0471	0.0430	0.0547	0.0396	0.0413	0.0379	0.0428	0.0416

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