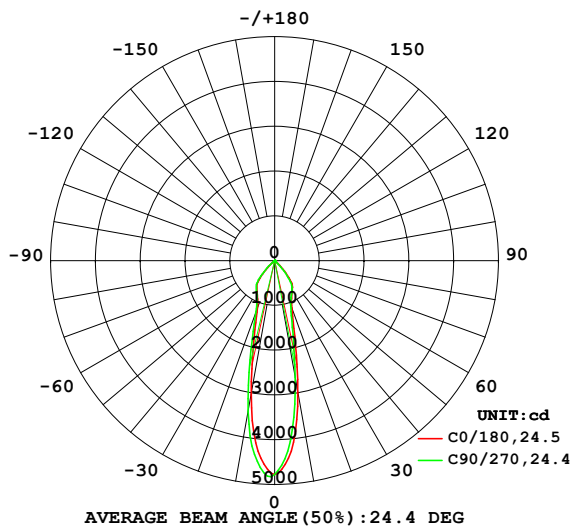


LUMINAIRE PHOTOMETRIC TEST REPORT

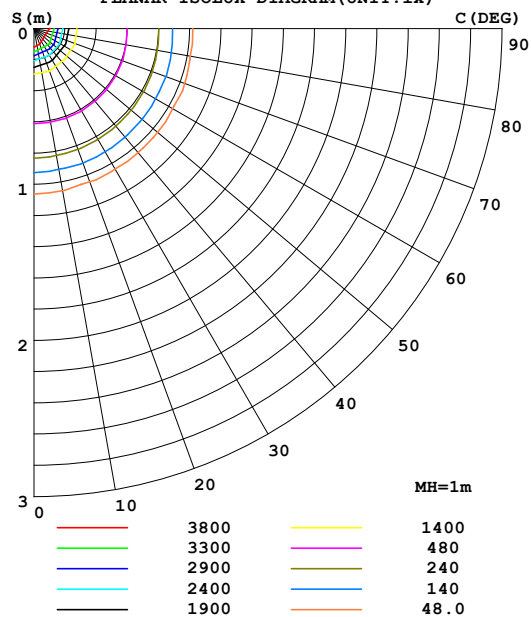
Test:U:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864		Lamp Flux:1949.82x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D	18WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 108.26 lm/W
MODEL		I _{max} (cd)	4823	S/MH (C0/180)	0.42	
NOMINAL POWER(W)	18	LOR (%)	100.0	S/MH (C90/270)	0.46	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1949.8	η UP,DN (C0-180)	0.0,47.1	
NOMINAL FLUX(lm)	1949.82	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,52.9	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)	240.4	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	2997	2804	2644	2712	3042	3269	3421	3368	0- 10	368.1	368.1	18.9,18.9
20	1131	1105	1063	1076	1137	1181	1239	1220	10- 20	507.5	875.6	44.9,44.9
30	788.4	788.7	775.9	789.2	798.3	801.2	814.4	812.7	20- 30	425.6	1301	66.7,66.7
40	503.5	468.2	430.9	456.8	517.7	548.1	567.0	566.6	30- 40	426.5	1728	88.6,88.6
50	40.58	34.73	33.45	36.01	44.28	59.76	68.97	63.50	40- 50	183.0	1911	98,98
60	10.33	9.733	9.790	10.21	11.23	12.26	12.44	11.95	50- 60	19.69	1930	99,99
70	6.786	6.764	7.056	7.300	7.475	7.341	7.331	7.058	60- 70	8.389	1939	99.4,99.4
80	6.757	6.464	6.522	7.465	8.337	7.936	7.215	7.450	70- 80	7.188	1946	99.8,99.8
90	0.0764	0.0639	0.0799	0.0608	0.0598	0.0575	0.0686	0.0602	80- 90	3.887	1950	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): 1862.1 lm

%lum = 95.5%

%lamp = 95.5%

Conical surface Flux(120deg): 1930.4 lm

%lum = 99.0%

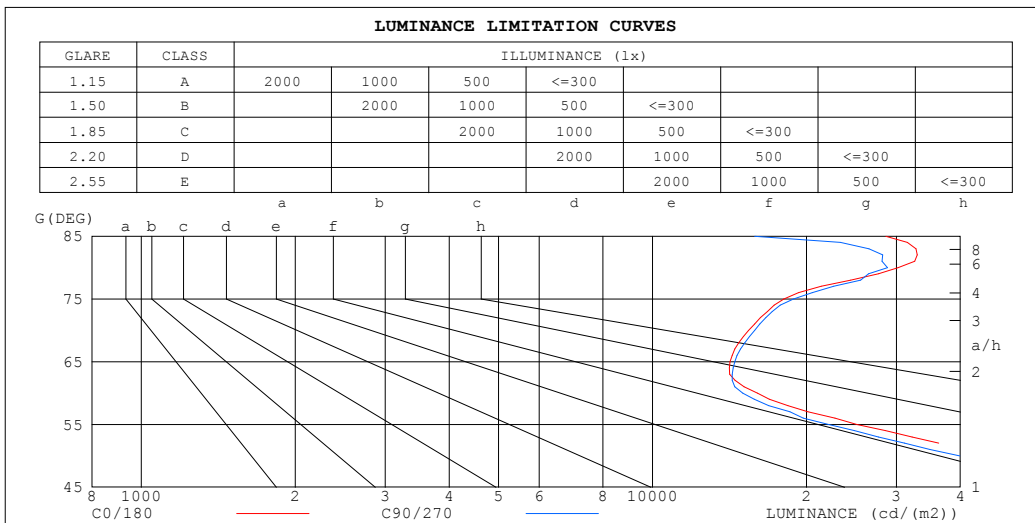
%lamp = 99.0%

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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz			Lamp Flux:1949.82x1 lm		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864					
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D			18WTYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Norming lighting			SUR.: 41mm		Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28621	15841
80	30216	28818
75	18064	18844
70	15408	15829
65	14180	14476
60	16039	15024
55	25117	22134
50	49021	39933
45	234634	168382

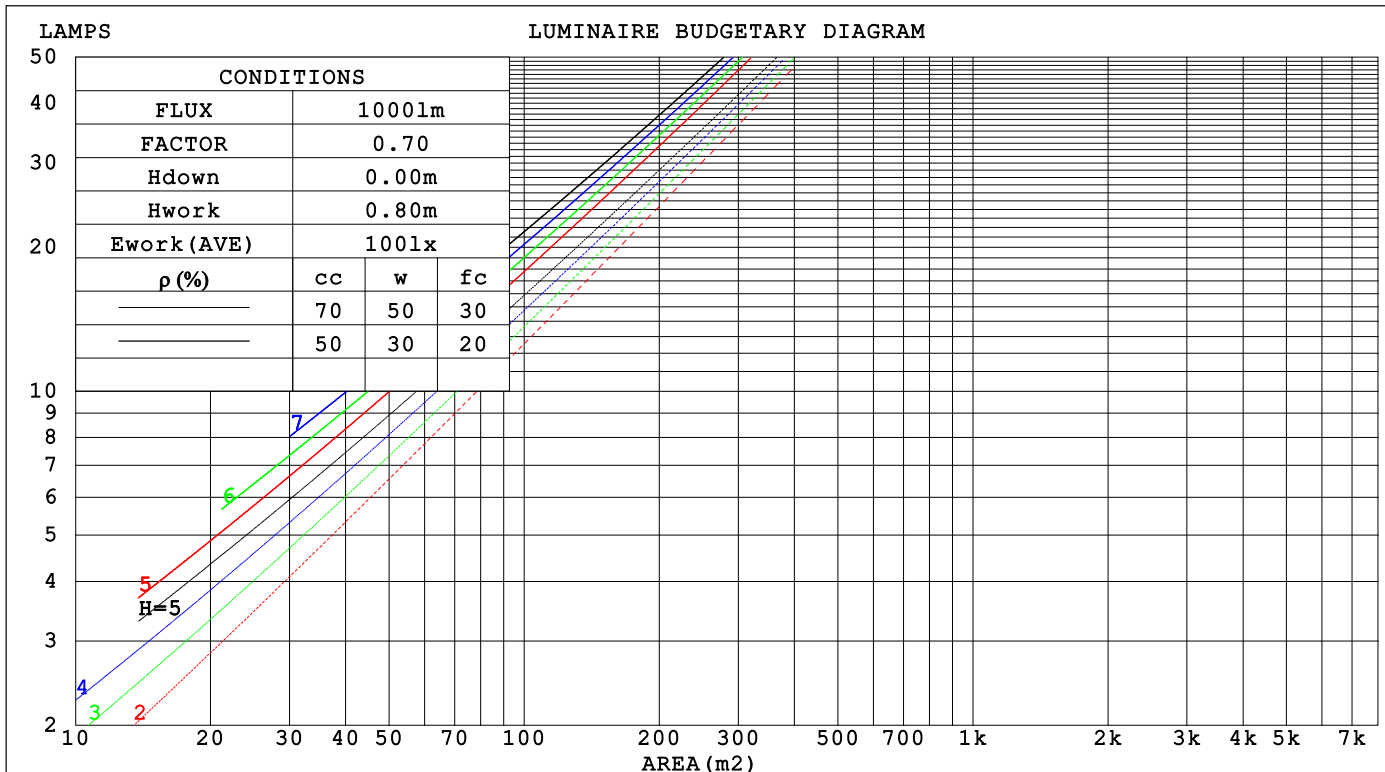
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-16

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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864 Lamp Flux:1949.82x1 lm		
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D	18WTYPE:	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	1.02	.98	.95	.98	.95	.93	.95	.93	.91	.93	.91	.89	.87
3.0	.96	.92	.88	.95	.91	.87	.92	.89	.86	.90	.87	.84	.88	.85	.83	.81
4.0	.90	.85	.81	.89	.84	.80	.87	.83	.79	.85	.81	.78	.83	.80	.78	.76
5.0	.85	.79	.75	.84	.79	.75	.82	.78	.74	.81	.77	.73	.79	.76	.73	.71
6.0	.80	.74	.70	.79	.74	.70	.78	.73	.69	.76	.72	.69	.75	.71	.68	.67
7.0	.76	.70	.66	.75	.69	.65	.74	.69	.65	.72	.68	.65	.71	.67	.64	.63
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.61	.69	.64	.61	.68	.64	.61	.60
9.0	.68	.62	.58	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
10.0	.65	.59	.55	.64	.59	.55	.63	.59	.55	.63	.58	.55	.62	.58	.55	.54



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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz			UTHDi:0.16% ITHDi:17.71% KDisp:0.9864			Lamp Flux:1949.82x1 lm		
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D			18WTYPE:			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	.177	.101	.032	.171	.097	.031	.158	.091	.029	.146	.084	.027	.136	.079	.025		
2.0	.169	.093	.028	.163	.090	.028	.153	.085	.026	.143	.080	.025	.134	.076	.024		
3.0	.161	.085	.026	.156	.083	.025	.147	.080	.024	.138	.076	.023	.131	.072	.022		
4.0	.152	.079	.023	.148	.078	.023	.141	.075	.022	.133	.072	.022	.127	.069	.021		
5.0	.145	.074	.021	.141	.073	.021	.135	.070	.021	.128	.068	.020	.122	.065	.020		
6.0	.138	.069	.020	.135	.068	.020	.129	.066	.019	.123	.064	.019	.118	.062	.018		
7.0	.131	.065	.018	.129	.064	.018	.123	.062	.018	.118	.061	.018	.114	.059	.017		
8.0	.125	.061	.017	.123	.061	.017	.118	.059	.017	.114	.058	.017	.110	.056	.016		
9.0	.120	.058	.016	.118	.057	.016	.114	.056	.016	.110	.055	.016	.106	.054	.016		
10.0	.115	.055	.015	.113	.054	.015	.109	.053	.015	.105	.052	.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	.091	.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	.078	.060	.044	.045	.035	.026	.015	.011	.009		
5.0	.124	.087	.060	.107	.075	.052	.073	.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	.055	.032	.062	.039	.023	.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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz UTHDi:0.16% ITHDi:17.71% KDisp:0.9864Lamp Flux:1949.82x1 lm										
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D 18WTYPE:						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	26.9	27.9	27.2	28.0	28.2	26.5	27.4	26.7	27.6	27.8
3H	26.8	27.7	27.1	27.9	28.1	26.3	27.2	26.6	27.4	27.6
4H	26.7	27.5	27.0	27.8	28.0	26.3	27.1	26.6	27.3	27.5
6H	26.7	27.5	27.0	27.7	27.9	26.3	27.0	26.5	27.3	27.5
8H	26.7	27.4	27.0	27.7	27.9	26.2	27.0	26.5	27.2	27.5
12H	26.7	27.4	27.0	27.6	27.9	26.2	26.9	26.5	27.2	27.5
4H 2H	26.7	27.5	27.0	27.7	27.9	26.2	27.1	26.5	27.3	27.5
3H	26.6	27.3	26.9	27.5	27.8	26.1	26.8	26.4	27.1	27.3
4H	26.5	27.1	26.8	27.4	27.7	26.1	26.7	26.4	27.0	27.3
6H	26.5	27.0	26.9	27.4	27.7	26.1	26.6	26.4	27.0	27.3
8H	26.5	27.0	26.9	27.4	27.7	26.1	26.6	26.5	26.9	27.3
12H	26.5	27.0	26.9	27.4	27.7	26.0	26.5	26.5	26.9	27.3
8H 4H	26.4	26.9	26.8	27.2	27.6	25.9	26.5	26.3	26.8	27.2
6H	26.4	26.8	26.8	27.2	27.6	26.0	26.4	26.4	26.8	27.2
8H	26.5	26.8	26.9	27.3	27.7	26.0	26.4	26.5	26.8	27.3
12H	26.5	26.8	27.0	27.2	27.7	26.0	26.3	26.5	26.8	27.3
12H 4H	26.3	26.8	26.7	27.2	27.6	25.9	26.4	26.3	26.7	27.1
6H	26.4	26.8	26.8	27.2	27.6	26.0	26.3	26.4	26.8	27.2
8H	26.4	26.8	26.9	27.2	27.7	26.0	26.3	26.5	26.8	27.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / - 8.3					+ 2.5 / - 8.0				
1.5H	+ 4.8 / - 8.3					+ 4.9 / - 7.9				
2.0H	+ 7.1 / - 3.3					+ 6.1 / - 2.5				

CIE Pub.117, 1950 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.3$)
Area: 0.0013 m2

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

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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864		Lamp Flux:1949.82x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D	18WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

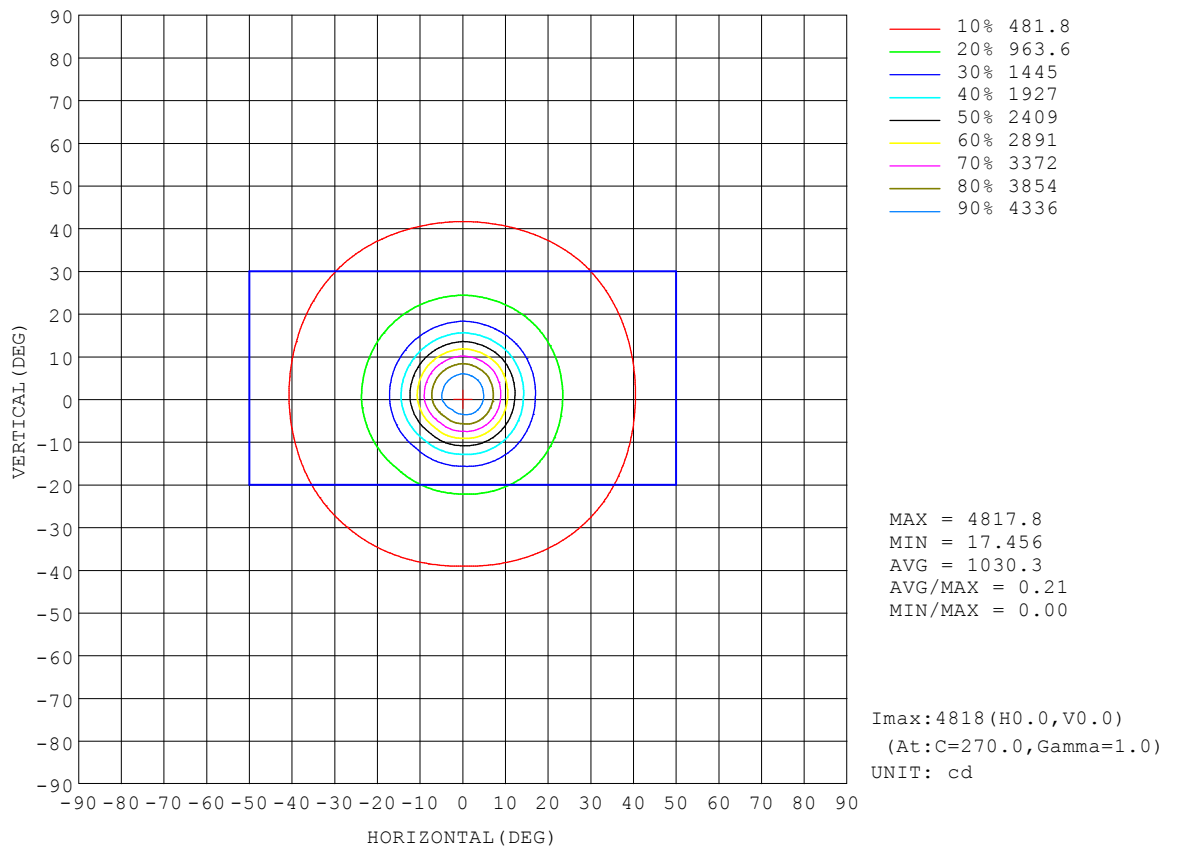
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	78	73	84	77	73	83	77	73	69
0.80	92	86	82	92	86	82	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: 2024-10-16

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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864		Lamp Flux:1949.82x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D	18WTYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

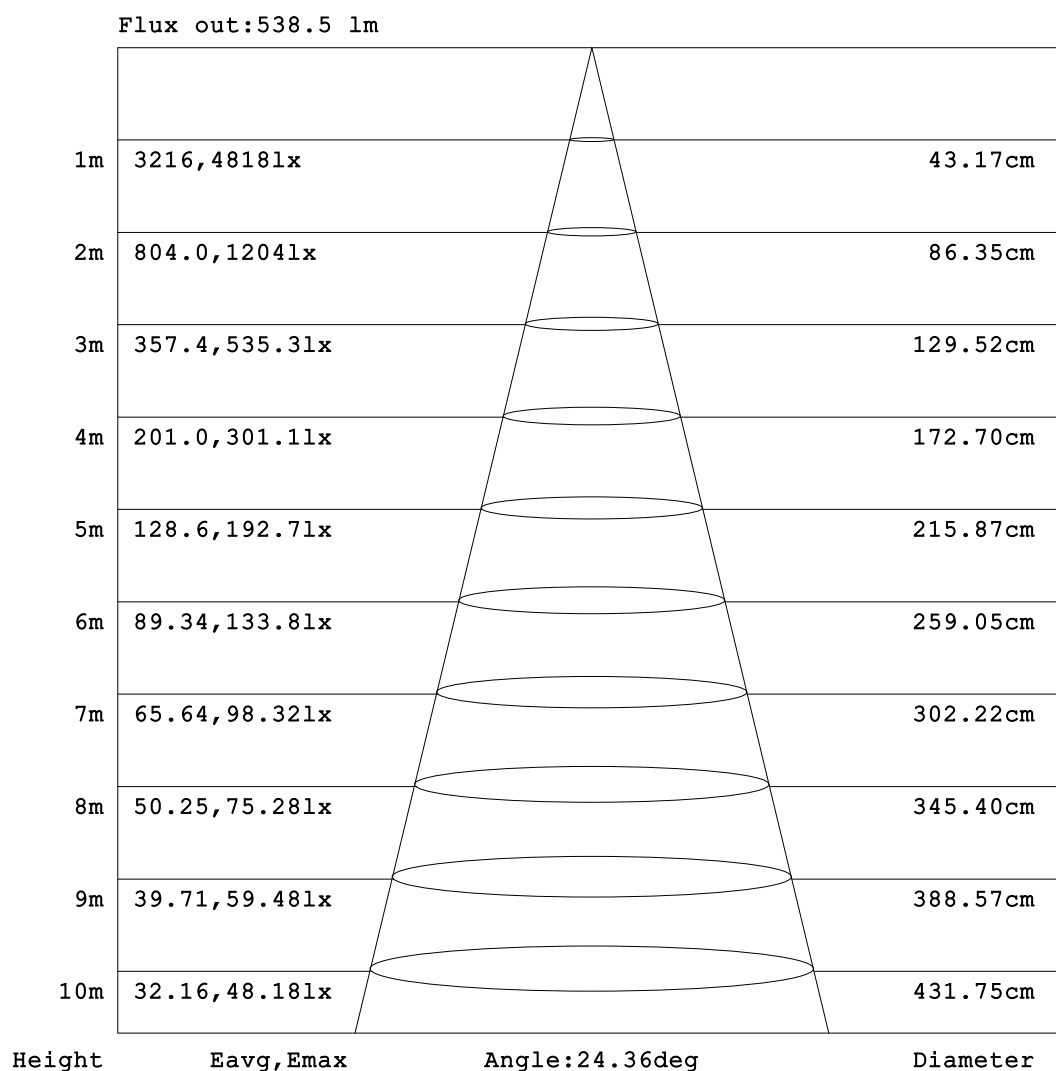


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-10-16

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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864		Lamp Flux:1949.82x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D	18W TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



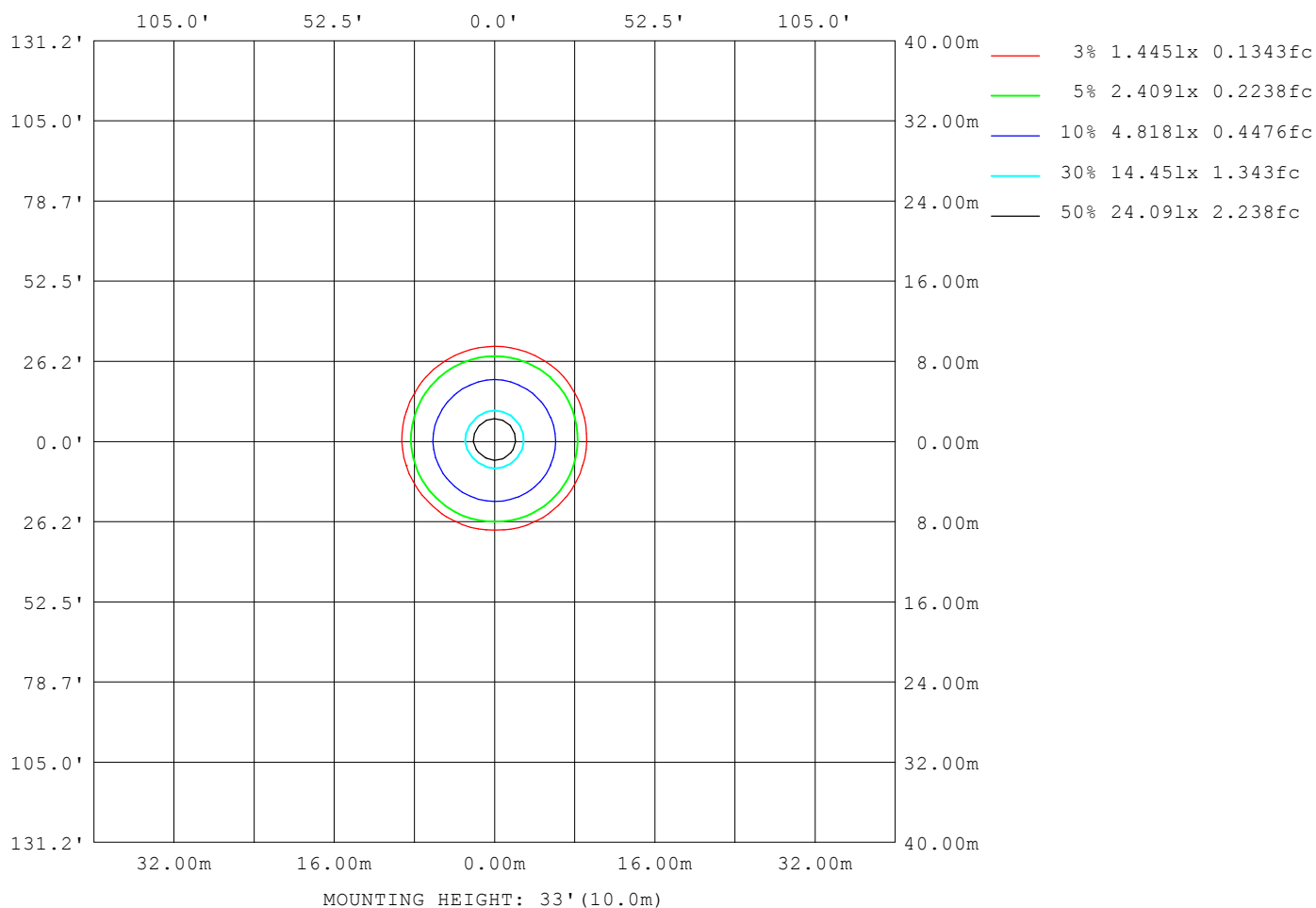
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864		Lamp Flux:1949.82x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D	18WTYPE:	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:240.4V I:0.0771A P:18.0W PF:0.9713 Freq:49.99Hz		
UTHDi:0.16% ITHDi:17.71% KDisp:0.9864		Lamp Flux:1949.82x1 lm
NAME: FUSION-MD23-AHD-018-COB-02SC 2700K RA90 25D 18W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

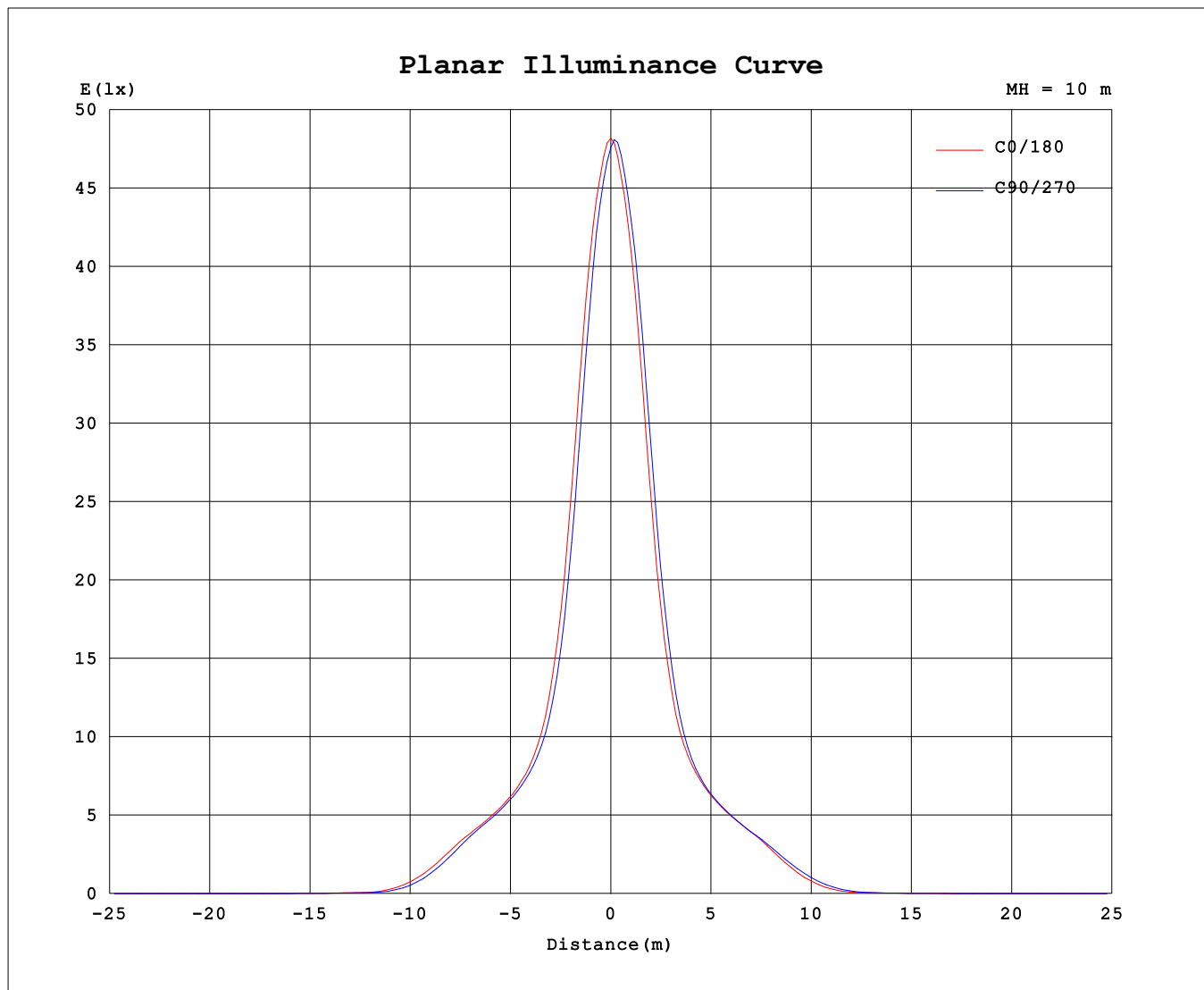
AvgL	cd/m2
L_0~180 (65) av	14865
L_0~180 (75) av	19114
L_0~180 (85) av	33391
L_90~270 (65) av	15067
L_90~270 (75) av	18833
L_90~270 (85) av	29096
L_45 (65) av	14939
L_45 (75) av	19071
L_45 (85) av	32690

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:

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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:

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Photometric Data Table [cd]

G/C	0.0	45.0	90.0	135.0	180.0	225.0	270.0	315.0
0.0	4772	4772	4772	4772	4772	4772	4772	4772
3.0	4552	4495	4433	4461	4551	4652	4741	4714
6.0	4074	3935	3794	3854	4088	4233	4350	4329
9.0	3296	3104	2938	3008	3331	3558	3698	3649
12.0	2427	2264	2122	2179	2474	2680	2845	2782
15.0	1752	1653	1545	1585	1785	1911	2063	1999
18.0	1308	1259	1198	1214	1320	1397	1489	1456
21.0	1066	1047	1012	1025	1075	1106	1151	1138
24.0	934.7	925.3	906.3	917.1	944.1	959.5	980.0	978.0
27.0	848.9	848.1	835.1	844.6	860.4	867.0	880.7	879.3
30.0	788.4	788.7	775.9	789.2	798.3	801.2	814.4	812.7
33.0	734.3	734.0	720.7	739.5	744.5	746.6	757.8	756.0
36.0	674.4	662.1	634.2	665.4	686.7	692.9	701.3	700.5
39.0	555.7	525.0	487.3	516.1	570.3	596.3	612.2	613.2
42.0	386.3	351.3	312.8	334.8	400.8	440.4	463.5	458.5
45.0	213.7	187.8	155.2	171.4	227.9	271.3	292.7	288.3
48.0	88.24	64.96	53.49	59.06	90.75	123.7	141.1	135.4
51.0	33.21	30.03	28.61	30.95	35.45	43.33	47.02	43.77
54.0	21.61	19.76	19.02	20.25	22.74	26.55	26.40	25.04
57.0	14.11	13.01	13.18	13.59	15.19	17.57	17.79	17.04
60.0	10.33	9.733	9.790	10.21	11.23	12.26	12.44	11.95
63.0	8.280	8.187	8.476	8.763	9.179	9.514	9.540	9.231
66.0	7.499	7.473	7.761	8.028	8.346	8.288	8.296	8.020
69.0	6.951	6.940	7.224	7.480	7.645	7.567	7.564	7.292
72.0	6.469	6.449	6.705	7.014	7.143	6.925	6.894	6.662
75.0	6.021	6.124	6.356	6.922	6.842	6.415	6.317	6.205
78.0	6.532	6.691	6.919	7.775	7.927	7.190	6.569	6.768
81.0	6.560	6.069	5.735	6.738	8.022	7.807	7.296	7.296
84.0	4.243	3.648	3.177	4.219	5.521	5.655	5.546	5.376
87.0	0.9728	0.5954	0.0915	0.3393	1.727	2.505	2.865	2.493
90.0	0.0764	0.0639	0.0799	0.0608	0.0598	0.0575	0.0686	0.0602

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