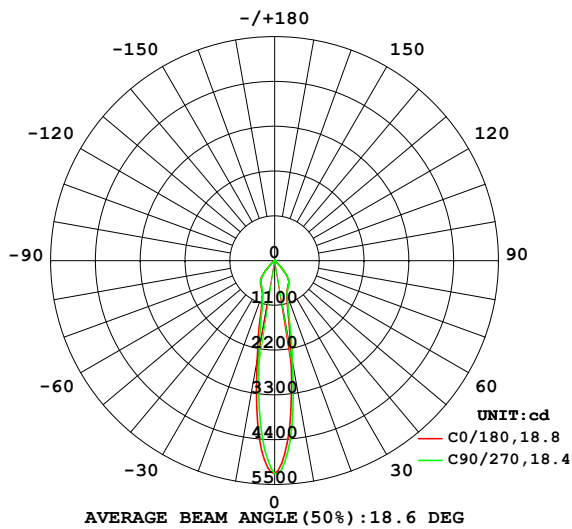


LUMINAIRE PHOTOMETRIC TEST REPORT

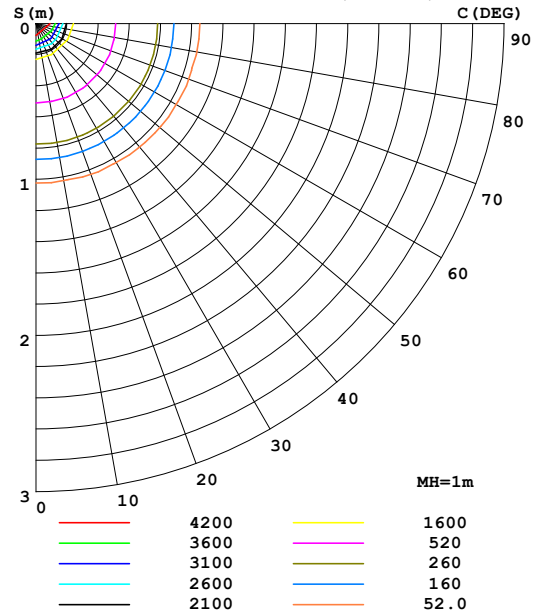
Test:U:240.4V I:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.65 lm/W
MODEL		I _{max} (cd)	5248	S/MH (C0/180)	0.33	
NOMINAL POWER(W)	18	LOR (%)	100.0	S/MH (C90/270)	0.30	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1618.9	η UP,DN (C0-180)	0.0,51.0	
NOMINAL FLUX(lm)	1618.94	CIE CLASS	DIRECT	η UP,DN (C180-360)	0.0,49.0	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.39	η down (%)	100.0	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-05

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	2328	2424	2546	2568	2519	2344	2212	2214	0- 10	341.4	341.4	21.1,21.1
20	883.3	899.8	910.7	903.2	894.0	876.5	865.1	860.6	10- 20	377.2	718.6	44.4,44.4
30	681.8	692.1	692.9	688.5	685.9	676.8	670.8	666.2	20- 30	352.3	1071	66.1,66.1
40	416.0	430.7	448.5	470.9	454.9	432.3	414.3	395.3	30- 40	367.8	1439	88.9,88.9
50	26.14	32.83	37.83	38.78	31.42	27.57	25.51	22.11	40- 50	152.9	1592	98.3,98.3
60	7.615	7.818	7.904	8.032	7.938	7.800	7.827	7.606	50- 60	11.98	1604	99.1,99.1
70	6.062	5.912	5.795	5.882	6.082	5.974	5.969	6.113	60- 70	6.694	1610	99.5,99.5
80	4.966	4.790	4.417	4.443	4.669	4.844	4.932	5.326	70- 80	5.654	1616	99.8,99.8
90	0.0582	0.0449	0.0652	0.0463	0.0490	0.0446	0.0587	0.0437	80- 90	3.016	1619	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): 1552.6 lm

%lum = 95.9%

%lamp = 95.9%

Conical surface Flux(120deg): 1603.6 lm

%lum = 99.1%

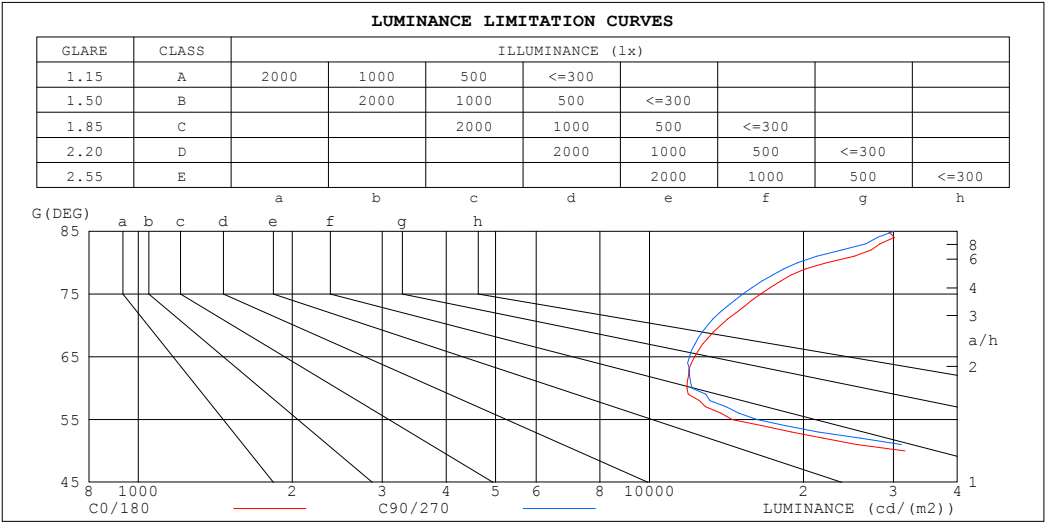
%lamp = 99.1%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	29267	30049
80	22233	19485
75	16498	15204
70	13779	12981
65	12248	11975
60	11841	12111
55	14513	16225
50	31621	45094
45	187648	229016

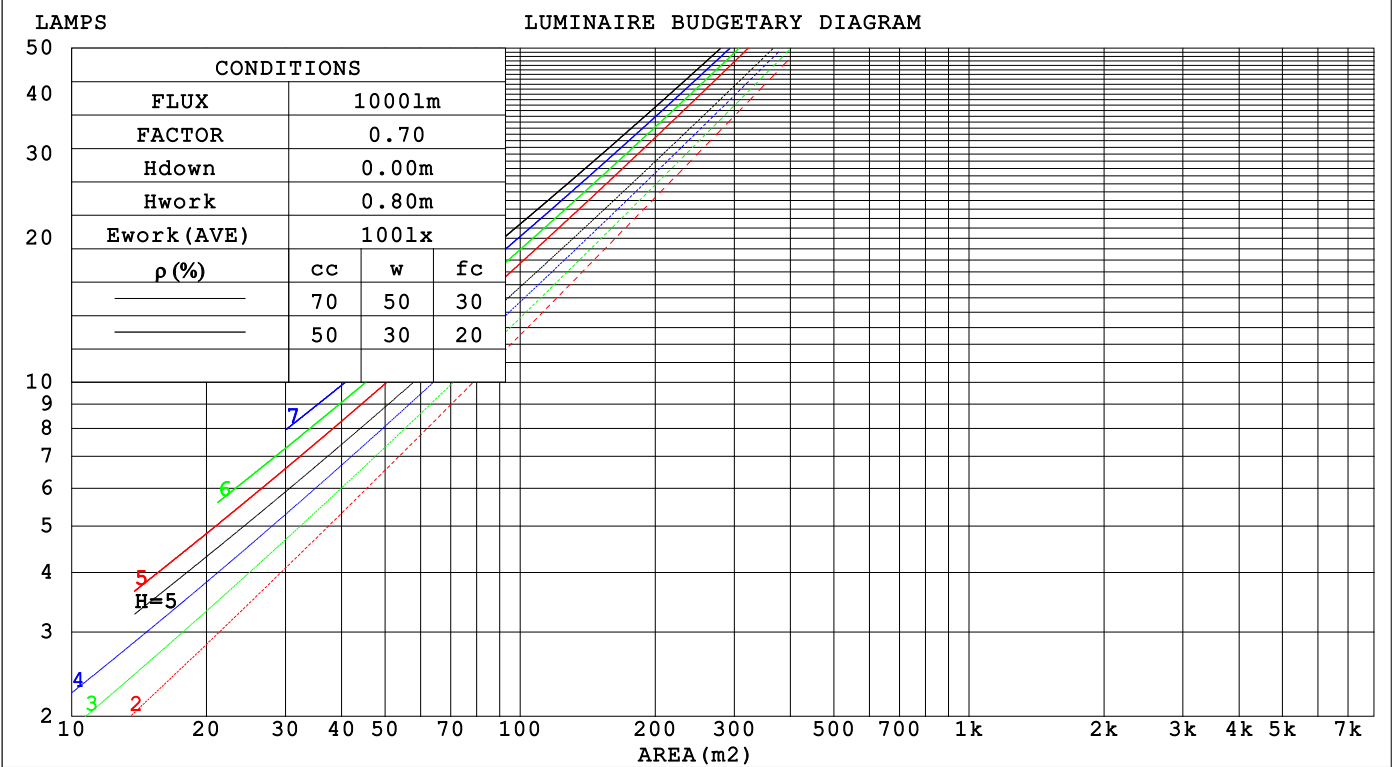
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841		
Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	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	1.11	1.08	1.06	1.09	1.06	1.05	1.05	1.03	1.01	1.01	.00	.98	.98	.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	.97	.92	.88	.95	.91	.87	.93	.89	.86	.90	.87	.84	.88	.85	.83	.82
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.76
5.0	.85	.80	.75	.84	.79	.75	.82	.78	.74	.81	.77	.74	.79	.76	.73	.72
6.0	.80	.75	.70	.80	.74	.70	.78	.73	.70	.77	.72	.69	.75	.72	.69	.67
7.0	.76	.70	.66	.75	.70	.66	.74	.69	.66	.73	.68	.65	.72	.68	.65	.64
8.0	.72	.66	.62	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.61	.60
9.0	.68	.63	.59	.68	.63	.59	.67	.62	.59	.66	.62	.58	.65	.61	.58	.57
10.0	.65	.60	.56	.65	.59	.56	.64	.59	.56	.63	.59	.56	.62	.58	.55	.54



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841		Lamp Flux:1618.94x1 lm
NAME: MD18-18-XX-02 2700K RA90 15D	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															Wall Exitance Coefficients (WEC)														
0.0																														
1.0	.176	.100	.032	.169	.097	.031	.157	.090	.029	.145	.084	.027	.134	.078	.025															
2.0	.168	.092	.028	.162	.089	.028	.152	.084	.026	.142	.080	.025	.133	.075	.024															
3.0	.159	.085	.025	.155	.083	.025	.146	.079	.024	.137	.075	.023	.130	.072	.022															
4.0	.151	.079	.023	.147	.077	.023	.139	.074	.022	.132	.071	.021	.126	.068	.021															
5.0	.144	.073	.021	.140	.072	.021	.134	.070	.020	.127	.067	.020	.121	.065	.019															
6.0	.137	.069	.020	.134	.068	.019	.128	.066	.019	.122	.064	.019	.117	.062	.018															
7.0	.130	.065	.018	.128	.064	.018	.122	.062	.018	.118	.060	.018	.113	.059	.017															
8.0	.125	.061	.017	.122	.060	.017	.117	.059	.017	.113	.057	.017	.109	.056	.016															
9.0	.119	.058	.016	.117	.057	.016	.113	.056	.016	.109	.054	.016	.105	.053	.015															
10.0	.114	.055	.015	.112	.054	.015	.108	.053	.015	.105	.052	.015	.101	.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	.133	.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	.059	.045	.045	.035	.026	.015	.011	.009	
5.0	.124	.087	.060	.106	.075	.052	.073	.053	.037	.042	.031	.022	.014	.010	.007	
6.0	.116	.078	.050	.100	.067	.044	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.043	.094	.061	.037	.065	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.104	.064	.037	.089	.055	.032	.062	.039	.023	.036	.023	.013	.012	.008	.004	
9.0	.098	.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: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz										
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841					Lamp Flux:1618.94x1 lm					
NAME: MD18-18-XX-02 2700K RA90 15D					TYPE:			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	26.7	27.6	26.9	27.8	27.9	26.9	27.8	27.1	28.0	28.1
3H	26.5	27.4	26.8	27.6	27.8	26.7	27.6	27.0	27.8	28.0
4H	26.5	27.3	26.7	27.5	27.7	26.7	27.5	26.9	27.7	27.9
6H	26.4	27.2	26.7	27.4	27.7	26.6	27.4	26.9	27.6	27.8
8H	26.4	27.1	26.7	27.4	27.6	26.6	27.3	26.9	27.6	27.8
12H	26.4	27.1	26.7	27.3	27.6	26.6	27.3	26.9	27.5	27.8
4H 2H	26.4	27.2	26.7	27.4	27.7	26.6	27.4	26.9	27.7	27.9
3H	26.3	27.0	26.6	27.2	27.5	26.5	27.2	26.8	27.5	27.7
4H	26.2	26.9	26.6	27.2	27.5	26.4	27.1	26.8	27.4	27.7
6H	26.2	26.8	26.6	27.1	27.4	26.4	26.9	26.8	27.3	27.6
8H	26.2	26.7	26.6	27.1	27.4	26.4	26.9	26.8	27.2	27.6
12H	26.2	26.7	26.6	27.1	27.5	26.4	26.9	26.8	27.2	27.6
8H 4H	26.1	26.6	26.5	27.0	27.3	26.3	26.8	26.7	27.2	27.5
6H	26.1	26.5	26.5	26.9	27.3	26.3	26.7	26.7	27.1	27.5
8H	26.1	26.5	26.6	26.9	27.4	26.3	26.7	26.8	27.1	27.5
12H	26.2	26.5	26.7	27.0	27.4	26.3	26.7	26.8	27.1	27.6
12H 4H	26.1	26.5	26.5	26.9	27.3	26.3	26.7	26.7	27.1	27.5
6H	26.1	26.4	26.5	26.9	27.3	26.2	26.6	26.7	27.0	27.5
8H	26.1	26.4	26.6	26.9	27.4	26.3	26.6	26.8	27.0	27.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.5 / - 8.8					+ 2.5 / - 9.2				
1.5H	+ 4.8 / - 8.9					+ 4.6 / - 9.5				
2.0H	+ 6.8 / - 3.4					+ 7.4 / - 4.5				

CIE Pub.117, 1619 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.7$)
Area: 0.0013 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

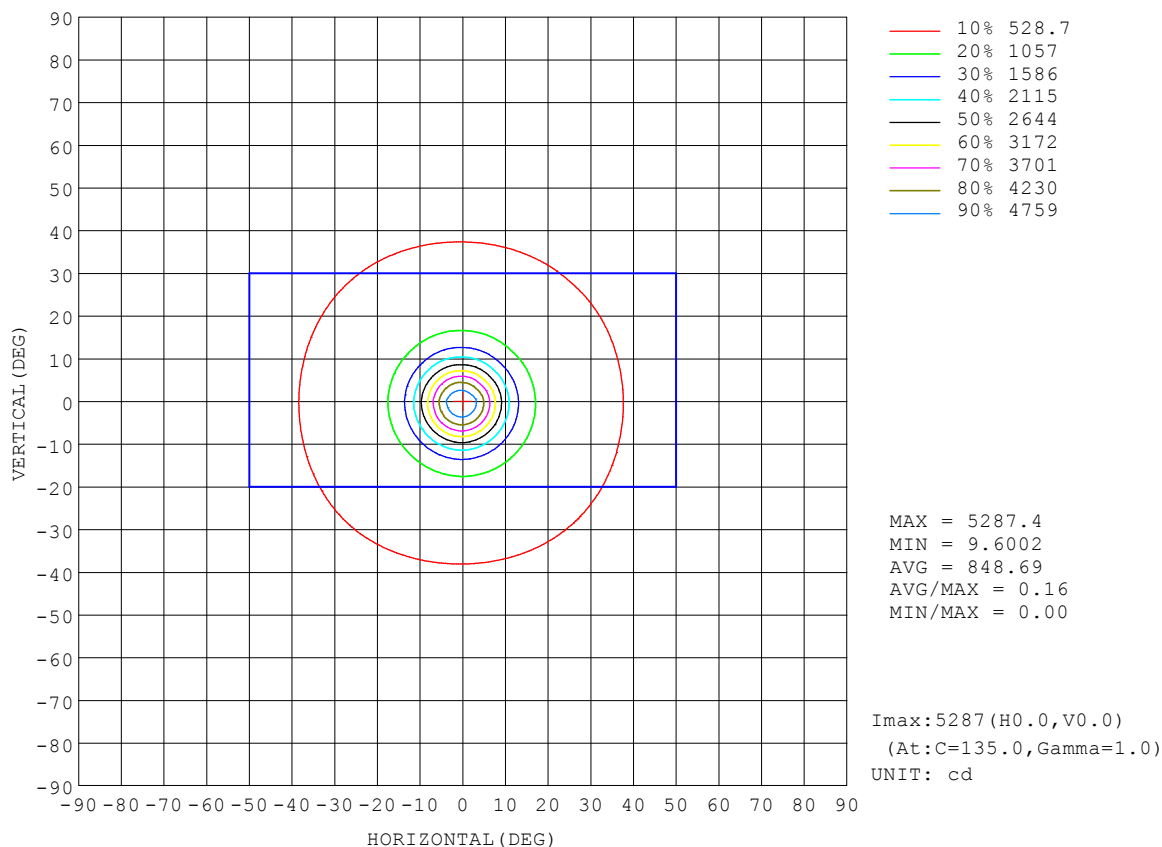
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	73	70
0.80	93	86	82	92	86	82	91	85	82	78
1.00	98	92	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	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	104	100	98	92
2.50	110	106	102	108	104	101	105	102	100	94
3.00	111	108	105	109	106	104	106	104	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	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: MEDIUM
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

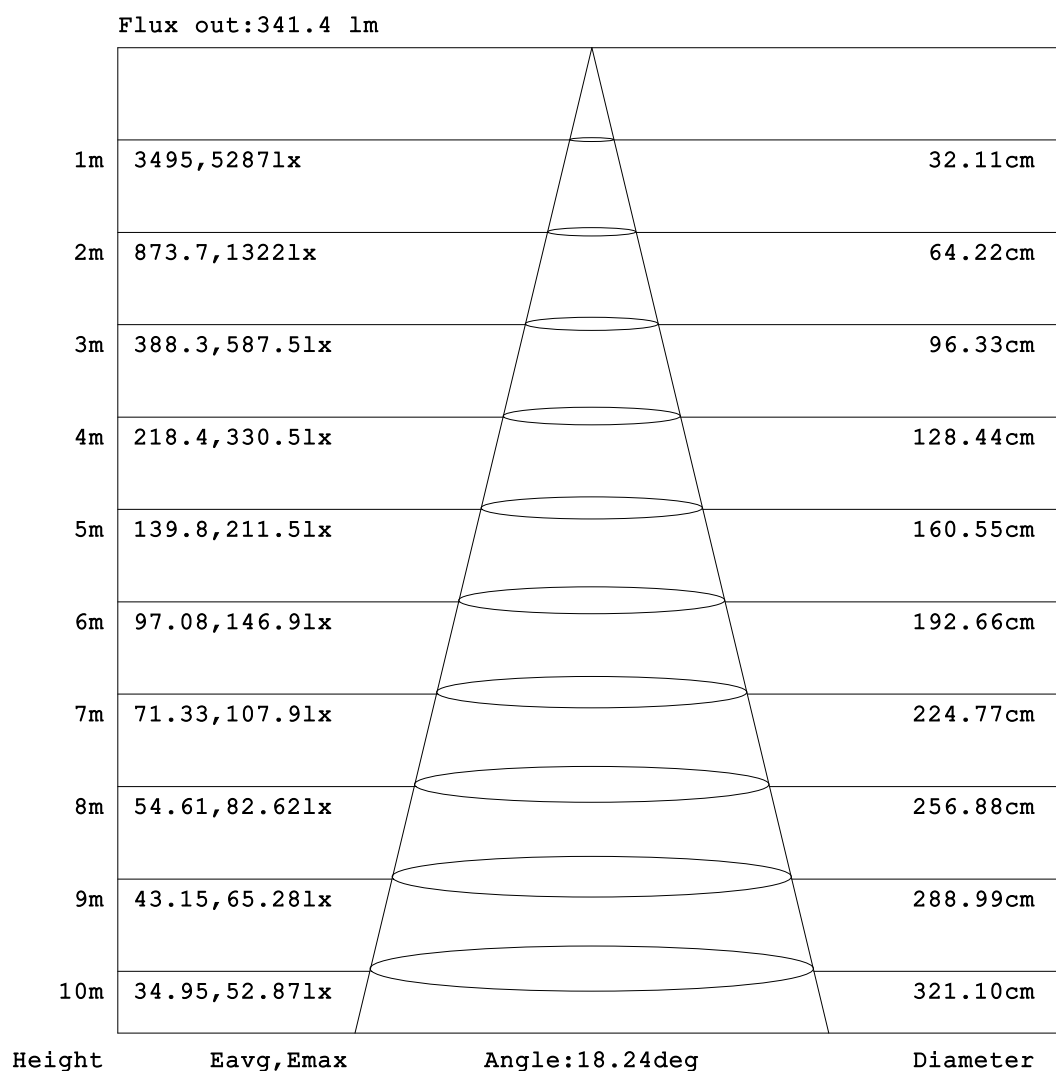


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



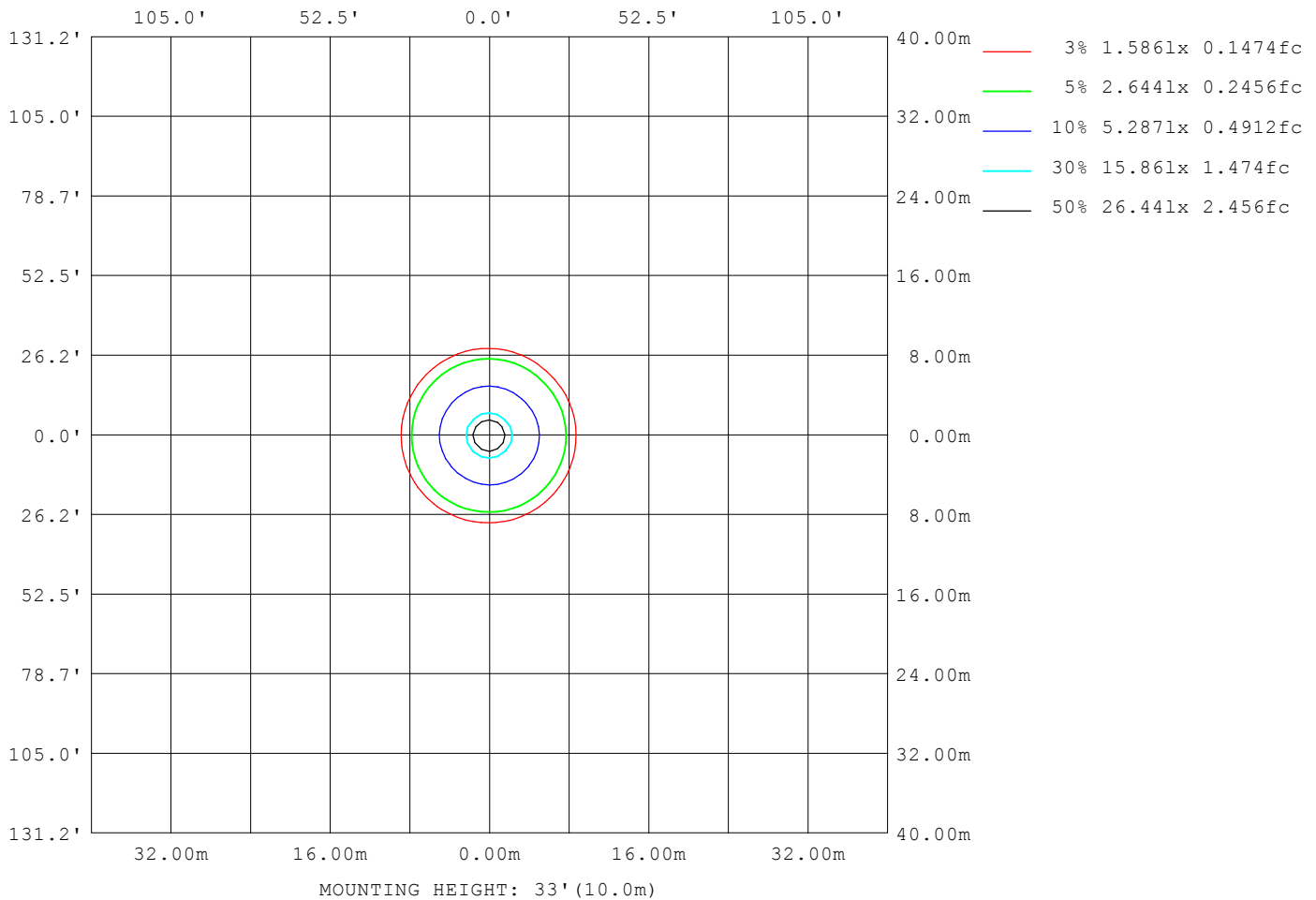
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz		
UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-05

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:0.0728A P:16.9W PF:0.9667 Freq:49.99Hz UTHDi:0.17% ITHDi:18.74% KDisp:0.9841 Lamp Flux:1618.94x1 lm		
NAME: MD18-18-XX-02 2700K RA90 15D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 41mm	Shielding Angle:

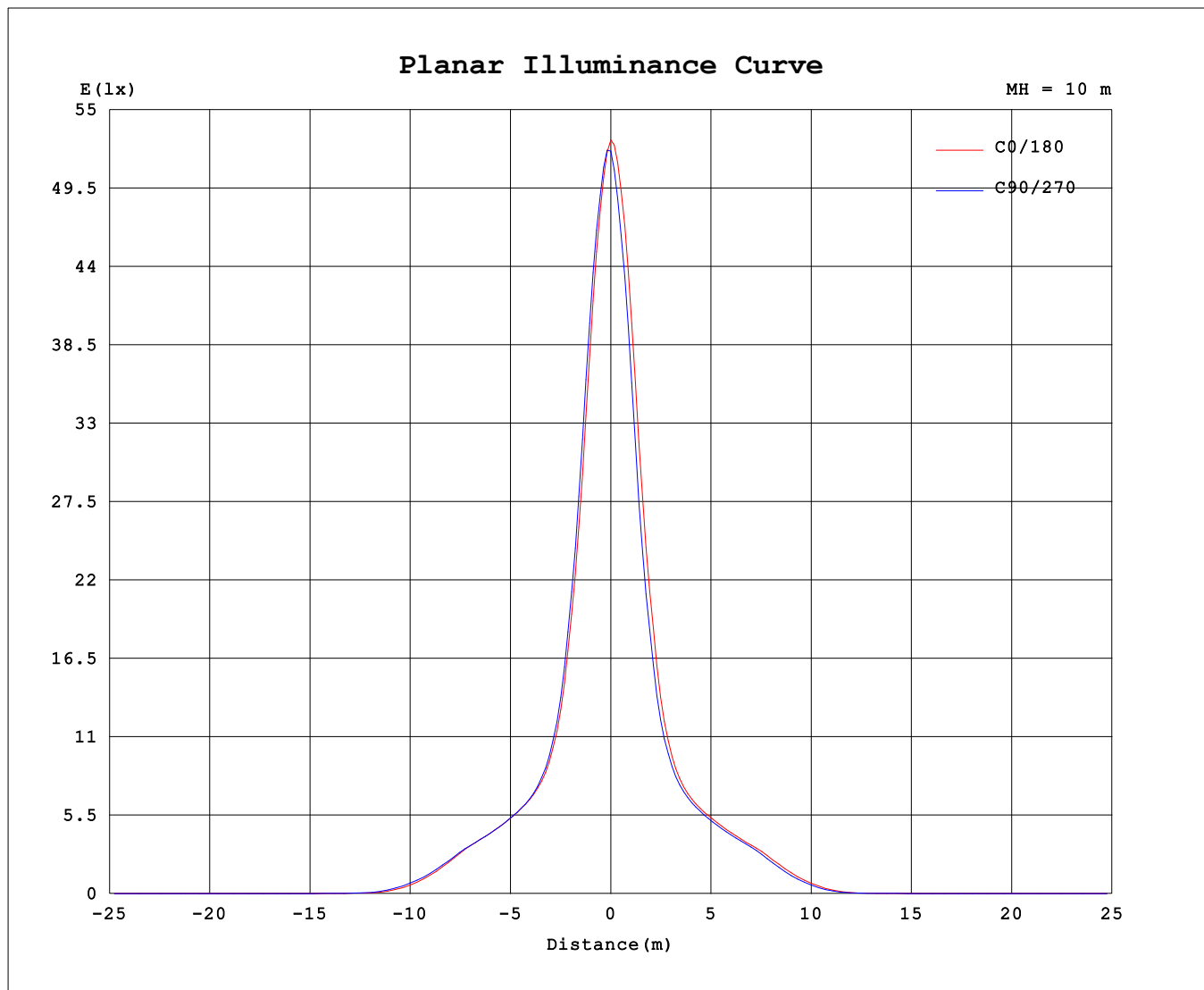
AvgL	cd/m2
L_0~180 (65) av	12254
L_0~180 (75) av	16208
L_0~180 (85) av	29830
L_90~270 (65) av	12078
L_90~270 (75) av	15650
L_90~270 (85) av	28478
L_45 (65) av	12133
L_45 (75) av	15850
L_45 (85) av	29429

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-09-05

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



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C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-09-05

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 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	5231	5231	5231	5231	5231	5231	5231	5231
3.0	4763	4850	4939	4969	4900	4757	4658	4655
6.0	3801	3948	4084	4135	4028	3816	3656	3630
9.0	2641	2754	2902	2938	2857	2659	2502	2520
12.0	1804	1880	1972	1996	1966	1811	1718	1702
15.0	1255	1298	1347	1342	1326	1253	1211	1199
18.0	980.8	1006	1029	1019	1009	976.4	959.4	957.3
21.0	848.7	863.1	870.8	864.1	854.9	840.7	832.1	828.7
24.0	778.8	791.9	791.1	785.4	781.0	769.6	764.0	761.2
27.0	726.4	738.6	739.4	734.3	730.6	720.9	714.7	710.3
30.0	681.8	692.1	692.9	688.5	685.9	676.8	670.8	666.2
33.0	640.6	646.8	649.2	647.7	643.4	635.3	629.8	624.7
36.0	583.4	593.2	599.9	606.3	598.4	587.3	575.9	565.8
39.0	464.4	477.1	493.5	514.3	499.0	479.4	460.8	444.6
42.0	314.8	334.0	352.7	373.7	353.7	335.3	313.6	294.3
45.0	170.7	193.4	211.4	224.3	206.1	187.6	173.1	152.4
48.0	62.11	79.31	93.81	94.45	81.93	72.80	61.37	52.64
51.0	20.57	24.17	25.56	24.91	21.35	20.41	20.73	17.68
54.0	12.54	14.35	14.15	14.10	13.30	12.29	11.75	11.24
57.0	9.017	9.715	10.03	10.35	9.789	9.303	9.160	8.822
60.0	7.615	7.818	7.904	8.032	7.938	7.800	7.827	7.606
63.0	6.970	7.003	7.091	7.174	7.219	7.061	7.042	7.009
66.0	6.520	6.396	6.416	6.498	6.653	6.546	6.501	6.586
69.0	6.158	6.015	5.940	6.033	6.212	6.112	6.088	6.222
72.0	5.871	5.699	5.534	5.605	5.836	5.738	5.755	5.886
75.0	5.492	5.324	5.136	5.195	5.415	5.322	5.395	5.492
78.0	5.052	4.901	4.719	4.735	4.984	4.912	5.013	5.173
81.0	5.058	4.833	4.334	4.382	4.631	4.941	4.958	5.215
84.0	4.050	4.020	3.806	3.847	3.927	3.934	3.842	3.843
87.0	1.050	1.534	1.799	1.924	1.559	1.042	0.8562	0.8399
90.0	0.0582	0.0449	0.0652	0.0463	0.0490	0.0446	0.0587	0.0437

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