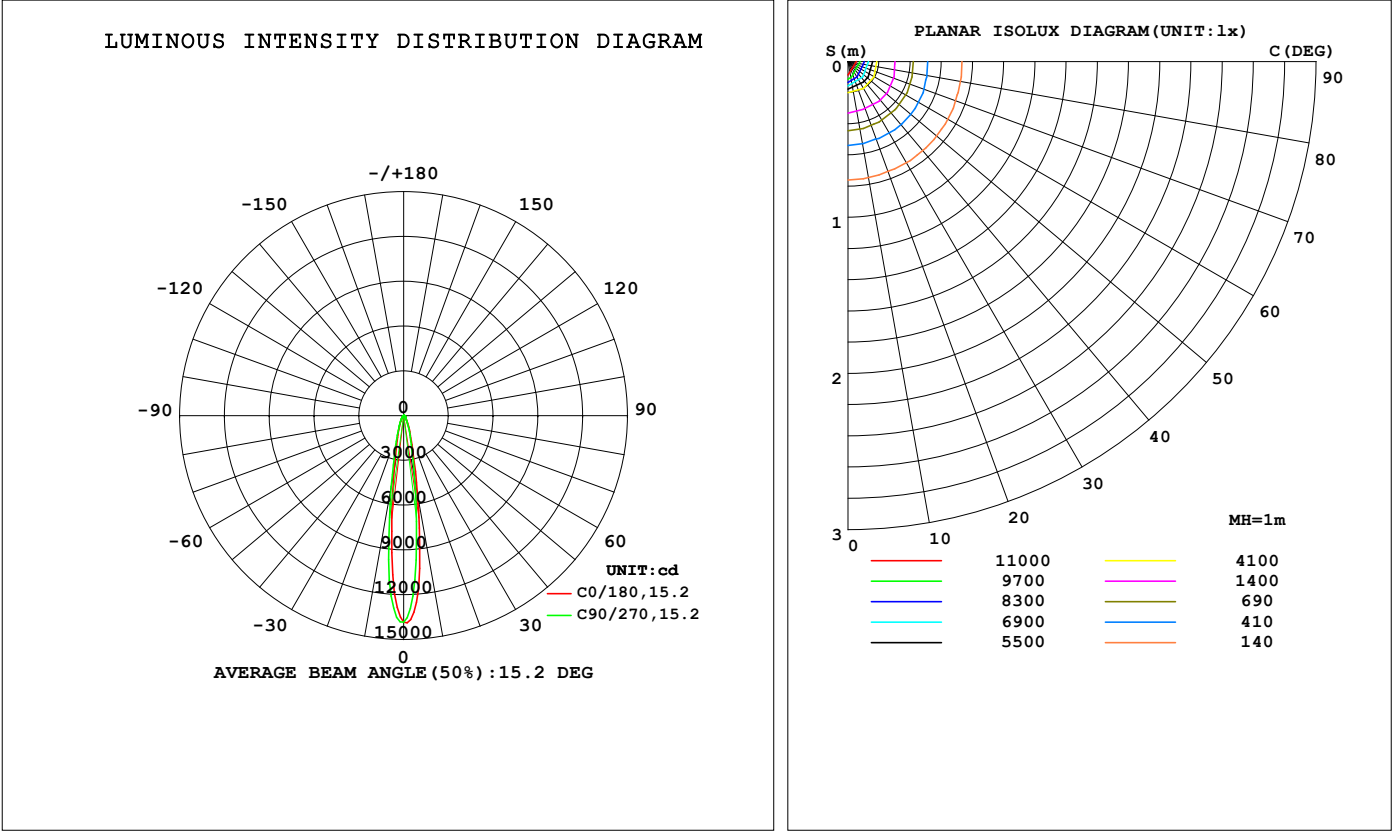


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.4V I:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz		
UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 105.07 lm/W
MODEL		I _{max} (cd)	13914	S/MH(C0/180)	0.23	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.28	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	2101.0	η UP,DN(C0-180)	0.0,50.8	
NOMINAL FLUX(lm)	2101.04	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.2	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.32	η down (%)	100.0	CIBSE SHR MAX	0.30	



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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	540.8	495.3	430.2	386.7	374.8	411.0	482.3	540.7	0- 10	783.2	783.2	37.3,37.3
20	127.1	122.7	112.9	103.5	97.65	100.8	111.6	122.1	10- 20	605.7	1389	66.1,66.1
30	49.55	47.91	44.23	40.60	38.29	39.61	43.85	48.30	20- 30	324.4	1713	81.5,81.5
40	21.34	20.53	19.02	17.93	17.13	17.50	19.23	20.88	30- 40	183.3	1897	90.3,90.3
50	10.38	10.12	9.853	9.419	8.998	8.951	9.786	10.26	40- 50	105.0	2002	95.3,95.3
60	5.429	5.211	4.992	4.677	4.579	4.819	5.295	5.491	50- 60	63.76	2065	98.3,98.3
70	1.430	1.246	1.089	0.9632	0.9806	1.213	1.415	1.488	60- 70	29.82	2095	99.7,99.7
80	0.2317	0.2121	0.1964	0.1878	0.1914	0.2068	0.2361	0.2400	70- 80	5.072	2100	100,100
90	0.0078	0.0041	0.0079	0.0048	0.0052	0.0044	0.0060	0.0051	80- 90	0.7556	2101	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:X10cd									UNIT:lm		

Conical surface Flux(90deg): 1955.8 lm

%lum = 93.1%

%lamp = 93.1%

Conical surface Flux(120deg): 2065.4 lm

%lum = 98.3%

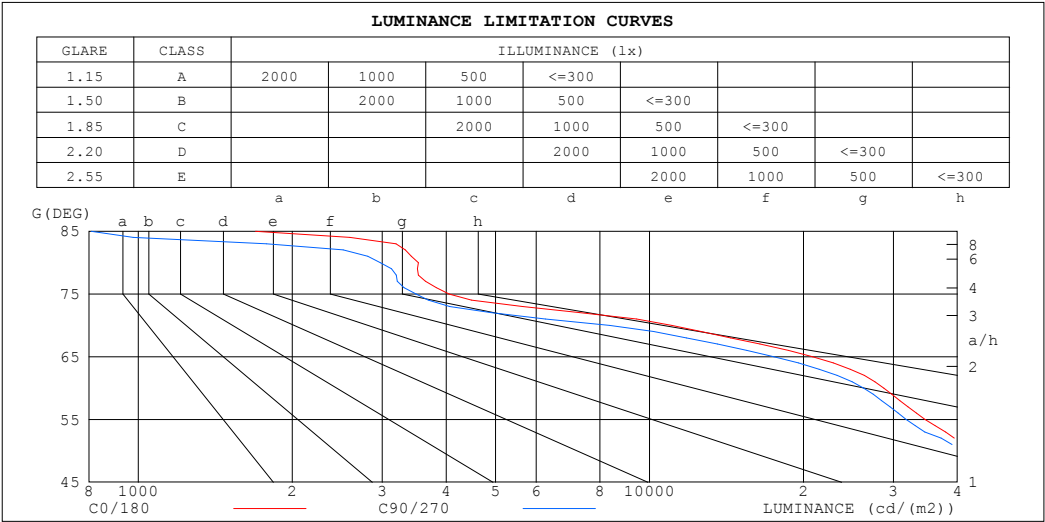
%lamp = 98.3%

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz		
UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1695	809
80	3531	2972
75	4056	3494
70	11064	8366
65	20866	17519
60	28732	26237
55	34585	31793
50	42719	40281
45	54603	49050

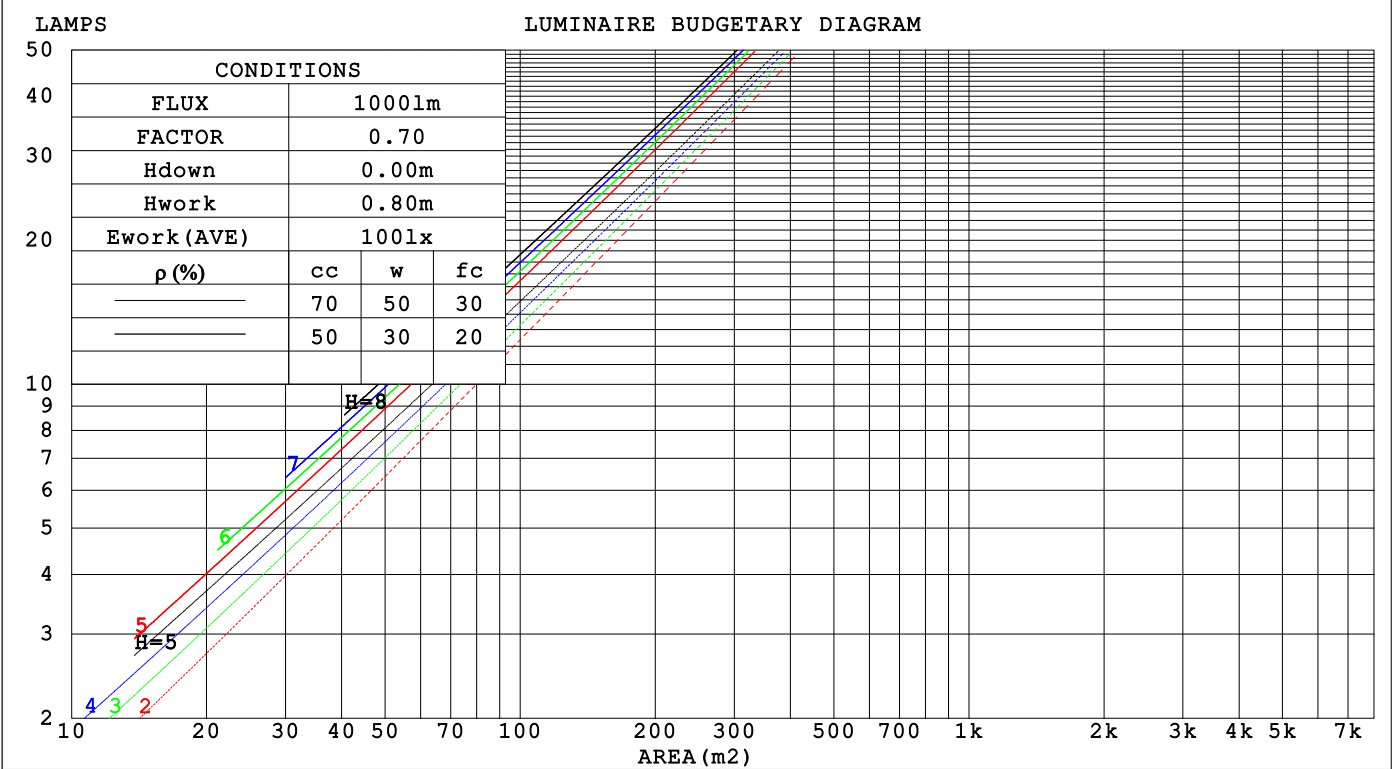
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz		
UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	.00	.99	.98	.97	.95
2.0	1.06	1.02	.99	1.04	1.01	.98	1.01	.98	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.00	.96	.93	.99	.95	.92	.96	.93	.90	.94	.91	.89	.92	.90	.88	.86
4.0	.95	.91	.87	.94	.90	.87	.92	.89	.86	.90	.87	.85	.89	.86	.84	.83
5.0	.91	.86	.83	.90	.86	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
6.0	.87	.83	.79	.87	.82	.79	.85	.81	.78	.84	.81	.78	.83	.80	.77	.76
7.0	.84	.79	.76	.83	.79	.76	.82	.78	.75	.81	.78	.75	.80	.77	.75	.74
8.0	.81	.76	.73	.81	.76	.73	.80	.76	.73	.79	.75	.72	.78	.75	.72	.71
9.0	.78	.74	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.76	.72	.70	.69
10.0	.76	.72	.69	.76	.71	.68	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz		
UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	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	.155	.088	.028	.148	.084	.027	.135	.078	.025	.124	.071	.023	.113	.066	.021															
2.0	.146	.080	.025	.140	.077	.024	.130	.072	.022	.120	.067	.021	.111	.063	.020															
3.0	.137	.073	.022	.132	.071	.021	.123	.067	.020	.115	.063	.019	.108	.060	.018															
4.0	.128	.067	.020	.125	.065	.019	.117	.062	.019	.110	.059	.018	.104	.056	.017															
5.0	.121	.062	.018	.118	.060	.018	.111	.058	.017	.105	.056	.017	.100	.053	.016															
6.0	.114	.057	.016	.111	.056	.016	.106	.054	.016	.100	.052	.015	.096	.050	.015															
7.0	.108	.053	.015	.105	.052	.015	.100	.051	.015	.096	.049	.014	.092	.048	.014															
8.0	.102	.050	.014	.100	.049	.014	.096	.048	.014	.092	.047	.013	.088	.045	.013															
9.0	.097	.047	.013	.095	.046	.013	.092	.045	.013	.088	.044	.013	.085	.043	.012															
10.0	.093	.044	.012	.091	.044	.012	.088	.043	.012	.084	.042	.012	.081	.041	.012															

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	.170	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.153	.133	.116	.131	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.139	.113	.093	.119	.098	.081	.082	.068	.057	.047	.040	.033	.015	.013	.011	
4.0	.127	.098	.076	.109	.085	.066	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.117	.086	.063	.101	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.109	.076	.053	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.006	
7.0	.101	.068	.046	.087	.059	.040	.060	.042	.028	.035	.025	.017	.011	.008	.006	
8.0	.095	.062	.039	.081	.054	.034	.056	.038	.024	.033	.022	.014	.011	.007	.005	
9.0	.089	.056	.034	.077	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.072	.045	.026	.050	.032	.019	.029	.019	.011	.009	.006	.004	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz										
UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm										
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W						TYPE:		WEIGHT:		
SPEC.:						DIM.:		SERIAL No.:		
MFR.: Norming lighting						SUR.: 70mm		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	20.8	21.6	21.0	21.7	21.9	20.4	21.2	20.6	21.3	21.5
3H	21.0	21.7	21.2	21.9	22.1	20.5	21.2	20.8	21.4	21.6
4H	20.9	21.6	21.2	21.8	22.0	20.5	21.1	20.7	21.4	21.6
6H	20.9	21.5	21.2	21.7	22.0	20.4	21.0	20.7	21.3	21.5
8H	20.8	21.4	21.1	21.7	21.9	20.4	21.0	20.7	21.2	21.5
12H	20.8	21.4	21.1	21.6	21.9	20.3	20.9	20.6	21.2	21.4
4H 2H	20.9	21.6	21.2	21.8	22.0	20.6	21.2	20.8	21.5	21.7
3H	21.1	21.7	21.4	22.0	22.2	20.7	21.3	21.0	21.5	21.8
4H	21.0	21.6	21.4	21.9	22.2	20.6	21.2	21.0	21.4	21.8
6H	21.0	21.4	21.3	21.8	22.1	20.5	21.0	20.9	21.3	21.7
8H	20.9	21.4	21.3	21.7	22.1	20.5	20.9	20.9	21.3	21.6
12H	20.9	21.3	21.3	21.7	22.0	20.4	20.8	20.8	21.2	21.6
8H 4H	20.9	21.4	21.3	21.7	22.1	20.5	20.9	20.9	21.3	21.6
6H	20.8	21.2	21.3	21.6	22.0	20.4	20.8	20.8	21.2	21.6
8H	20.8	21.1	21.2	21.5	22.0	20.4	20.7	20.8	21.1	21.5
12H	20.7	21.0	21.2	21.5	21.9	20.3	20.6	20.8	21.0	21.5
12H 4H	20.9	21.3	21.3	21.6	22.0	20.4	20.8	20.8	21.2	21.6
6H	20.8	21.1	21.2	21.5	22.0	20.4	20.7	20.8	21.1	21.5
8H	20.7	21.0	21.2	21.5	21.9	20.3	20.6	20.8	21.0	21.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.2 / - 1.8					+ 1.2 / - 1.8				
1.5H	+ 1.8 / - 1.0					+ 1.3 / - 0.9				
2.0H	+ 1.9 / - 1.8					+ 1.7 / - 1.8				

CIE Pub.117, 2101 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.6$)
Area: 0.0038 m²

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

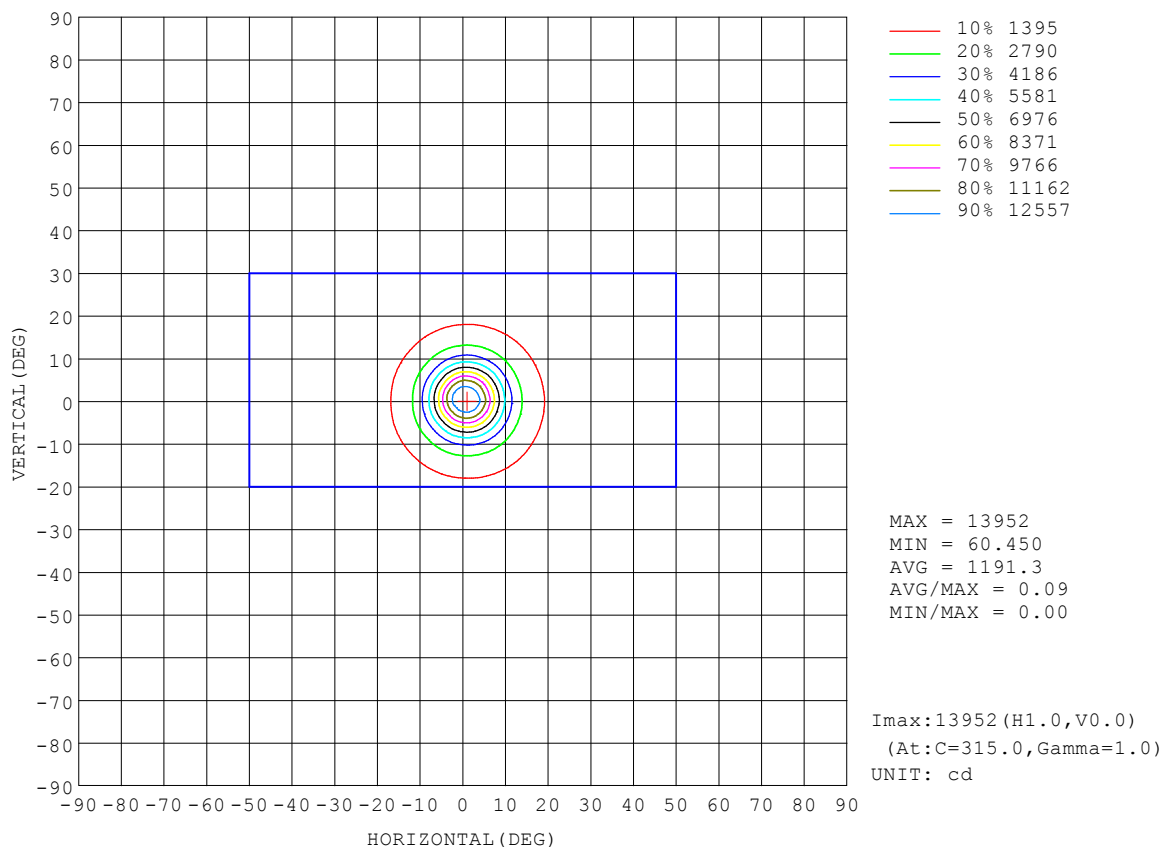
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	79	75	85	79	75	84	78	74	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	104	100	106	102	99	104	100	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	109	109	107	106	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: 2024-08-14

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 γ 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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

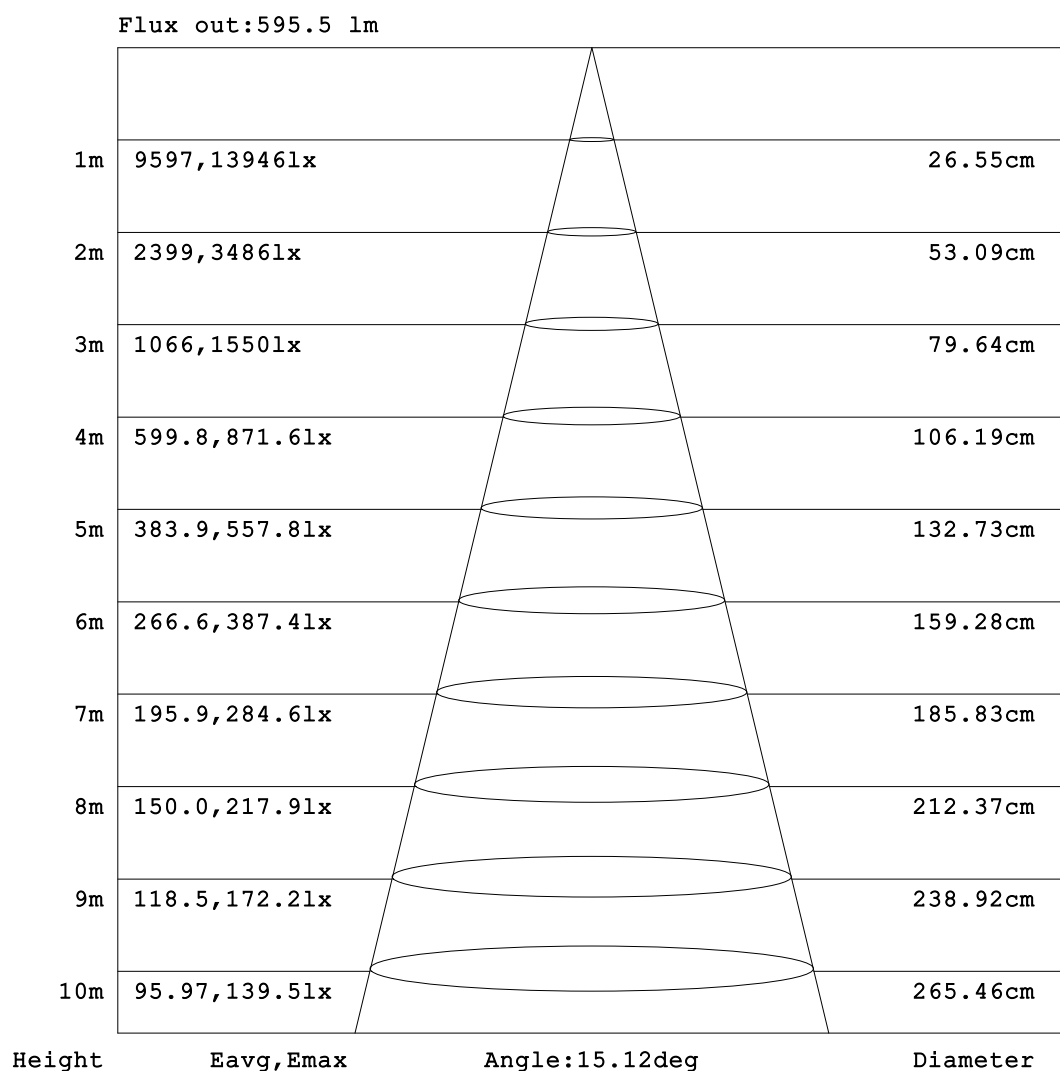


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz		
UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



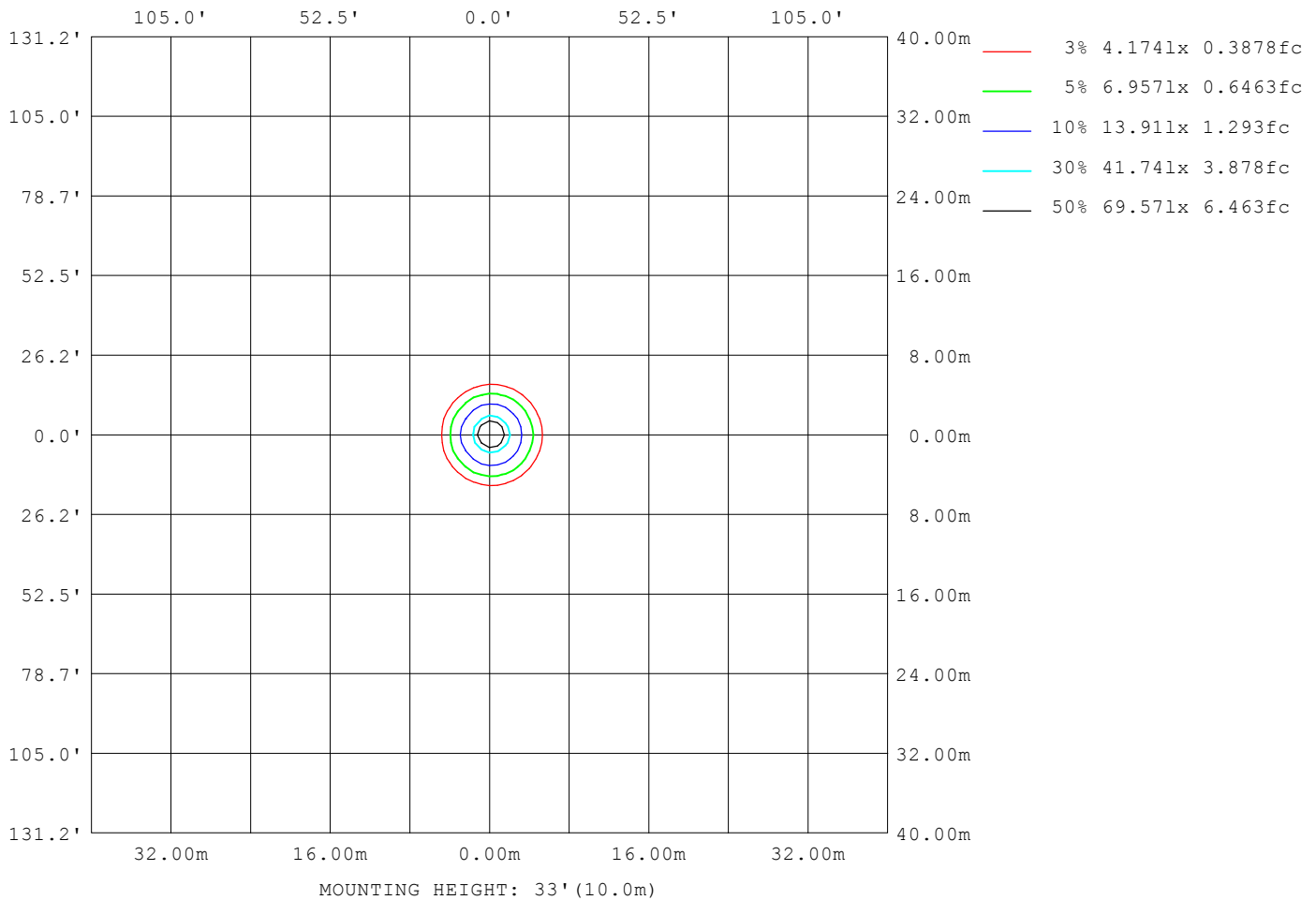
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-08-14

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:0.0846A P:20.0W PF:0.9833 Freq:49.99Hz UTHDi:0.16% ITHDi:6.94% KDisp:0.9873 Lamp Flux:2101.04x1 lm		
NAME: TR11-20-XX-01+白色防眩环 2700K RA90 15D 20W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

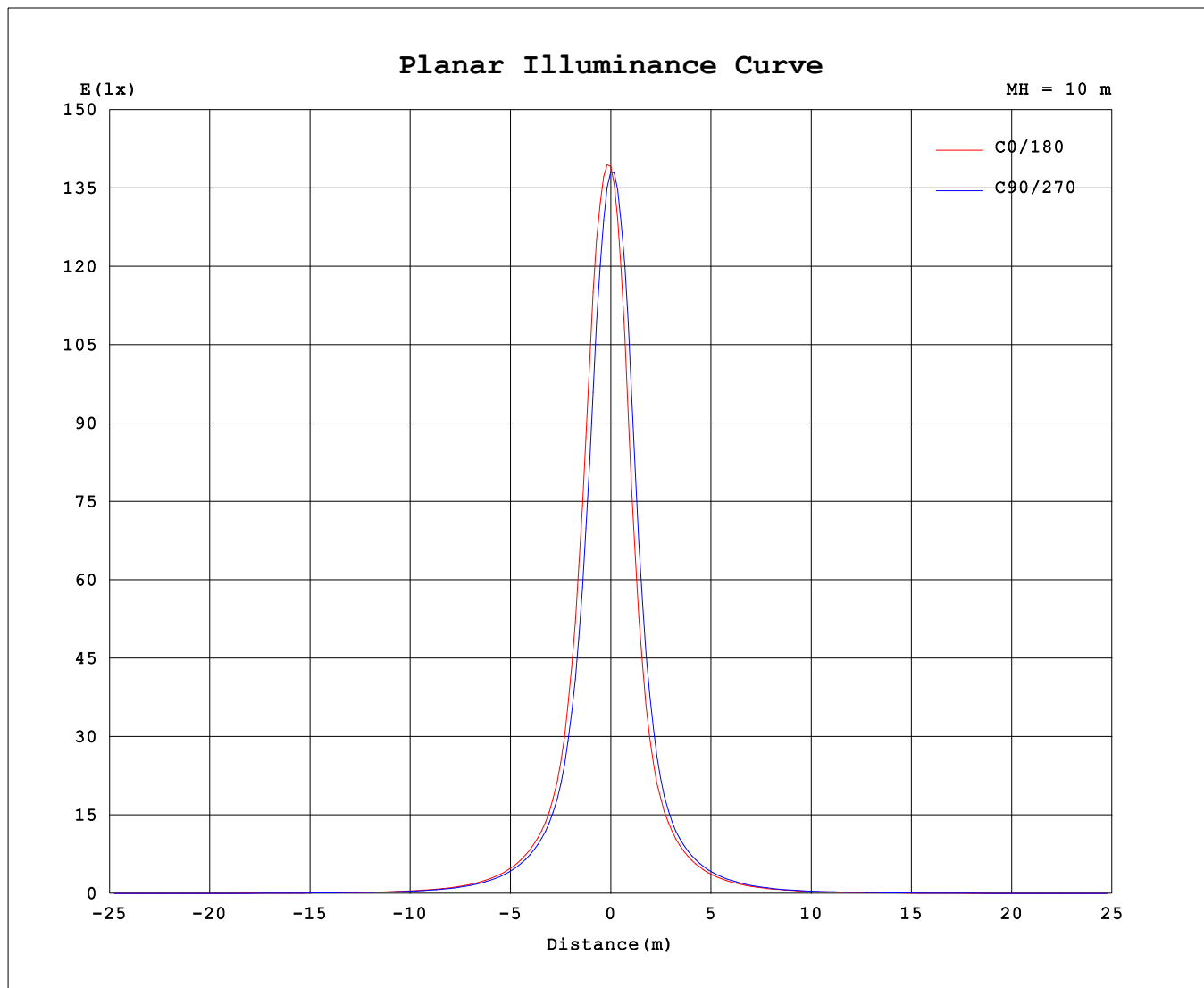
AvgL	cd/m2
L_0~180 (65) av	18140
L_0~180 (75) av	3751
L_0~180 (85) av	1201
L_90~270 (65) av	18829
L_90~270 (75) av	3856
L_90~270 (85) av	963
L_45 (65) av	18364
L_45 (75) av	3793
L_45 (85) av	955

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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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Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2024-08-14

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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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	13837	13837	13837	13837	13837	13837	13837	13837
3.0	13196	12676	12095	11784	11925	12408	12915	13242
6.0	10278	9360	8386	7759	7788	8465	9681	10364
9.0	6459	5862	5088	4588	4511	4932	5783	6472
12.0	3828	3556	3114	2796	2648	2890	3388	3779
15.0	2345	2236	1997	1819	1724	1822	2071	2292
18.0	1585	1527	1393	1276	1212	1255	1393	1527
21.0	1145	1109	1022	937.6	880.9	913.3	1007	1102
24.0	853.9	831.7	766.2	701.8	657.1	682.9	754.2	829.6
27.0	646.9	629.0	578.9	530.7	498.0	516.7	572.2	630.9
30.0	495.5	479.1	442.3	406.0	382.9	396.1	438.5	483.0
33.0	382.3	367.8	340.0	313.6	296.9	306.8	339.1	372.7
36.0	296.1	284.1	262.7	244.4	232.3	239.5	263.7	289.1
39.0	231.1	221.8	205.7	193.5	184.6	188.8	207.9	226.1
42.0	182.6	175.7	163.6	154.7	148.1	151.1	165.8	178.9
45.0	145.9	140.9	132.0	125.1	120.3	122.4	134.4	143.5
48.0	118.3	114.4	108.2	103.8	100.4	100.5	110.5	116.8
51.0	97.19	96.06	93.58	88.14	84.35	84.17	92.49	96.80
54.0	80.40	77.04	74.00	69.36	67.77	70.84	78.27	80.58
57.0	65.90	63.54	61.16	57.31	56.10	58.28	63.87	66.41
60.0	54.29	52.11	49.92	46.77	45.79	48.19	52.95	54.91
63.0	42.38	39.39	37.11	34.00	33.31	36.84	41.25	42.99
66.0	28.73	25.64	24.00	21.66	21.20	24.43	27.89	29.30
69.0	17.09	15.21	13.89	12.70	12.72	14.61	16.92	17.72
72.0	8.526	6.640	5.762	5.319	5.454	6.822	8.102	8.995
75.0	3.967	3.640	3.441	3.347	3.412	3.696	4.144	4.238
78.0	2.774	2.595	2.528	2.480	2.490	2.658	2.895	2.895
81.0	2.020	1.822	1.673	1.567	1.610	1.777	2.052	2.088
84.0	1.024	0.6322	0.3887	0.2719	0.3065	0.4404	0.8168	1.023
87.0	0.2451	0.1597	0.1575	0.0963	0.1247	0.1281	0.2010	0.1926
90.0	0.0783	0.0407	0.0785	0.0479	0.0518	0.0436	0.0605	0.0511

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