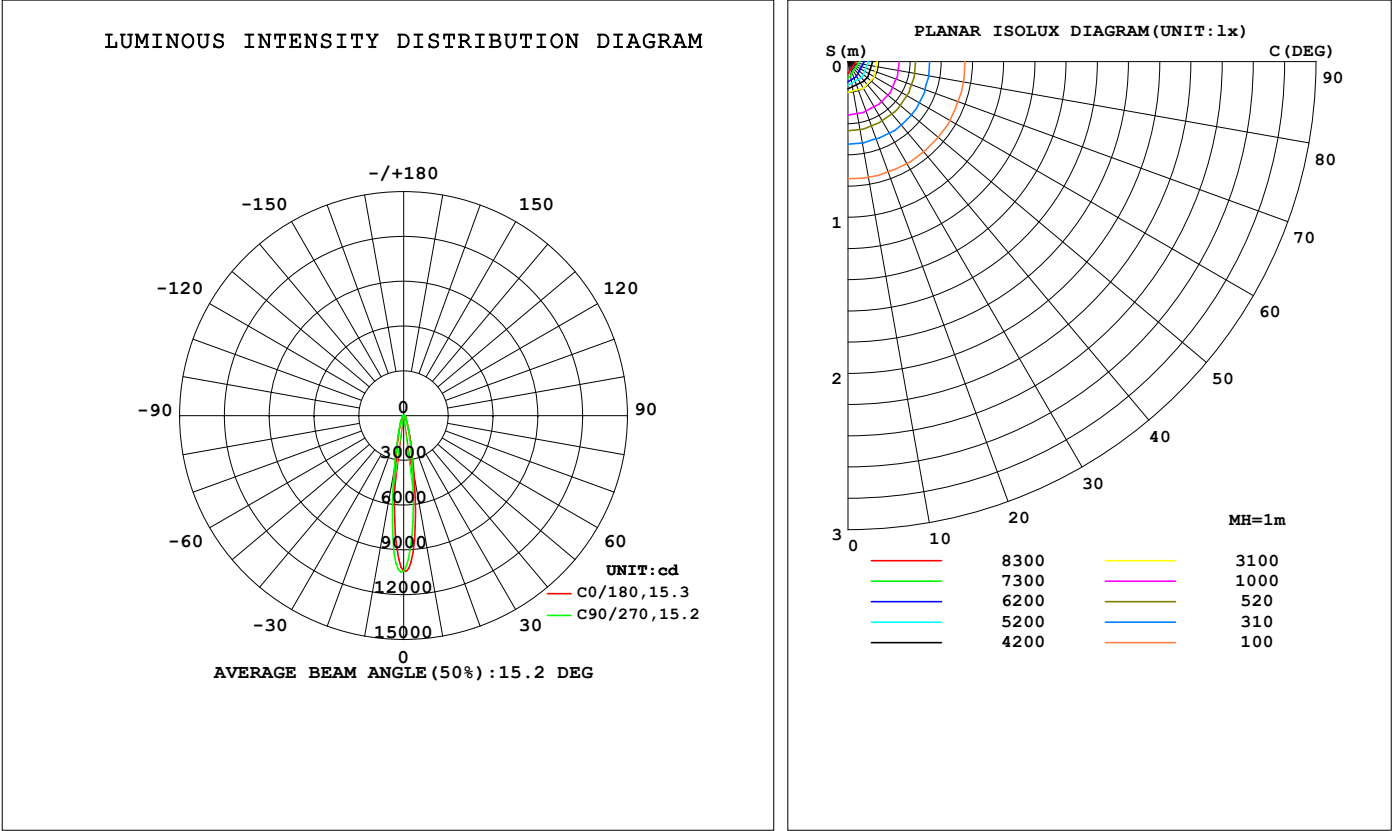


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz		
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 107.22 lm/W
MODEL		I _{max} (cd)	10524	S/MH(C0/180)	0.24	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.28	
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1586.7	η UP,DN(C0-180)	0.0,51.3	
NOMINAL FLUX(lm)	1586.75	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,48.7	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	240.4	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	396.9	374.6	340.3	319.5	308.1	322.7	364.6	391.6	0- 10	589.9	589.9	37.2,37.2
20	98.48	98.28	91.54	85.77	81.11	81.22	84.67	91.96	10- 20	479.7	1070	67.4,67.4
30	35.58	36.83	35.03	32.08	29.40	28.81	30.07	32.63	20- 30	249.4	1319	83.1,83.1
40	14.53	15.21	14.43	13.31	12.17	11.84	12.57	13.41	30- 40	132.1	1451	91.5,91.5
50	6.869	7.077	6.959	6.358	5.821	5.684	6.272	6.452	40- 50	71.94	1523	96,96
60	3.480	3.520	3.445	3.079	2.898	2.925	3.177	3.280	50- 60	41.63	1565	98.6,98.6
70	0.9128	0.8054	0.7001	0.5727	0.5868	0.7455	0.8457	0.8987	60- 70	18.49	1583	99.8,99.8
80	0.1429	0.1250	0.1142	0.1082	0.1155	0.1308	0.1535	0.1523	70- 80	3.131	1586	100,100
90	0.0049	0.0026	0.0056	0.0033	0.0034	0.0023	0.0038	0.0028	80- 90	0.4668	1587	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): 1492.1 lm

%lum = 94.0%

%lamp = 94.0%

Conical surface Flux(120deg): 1564.7 lm

%lum = 98.6%

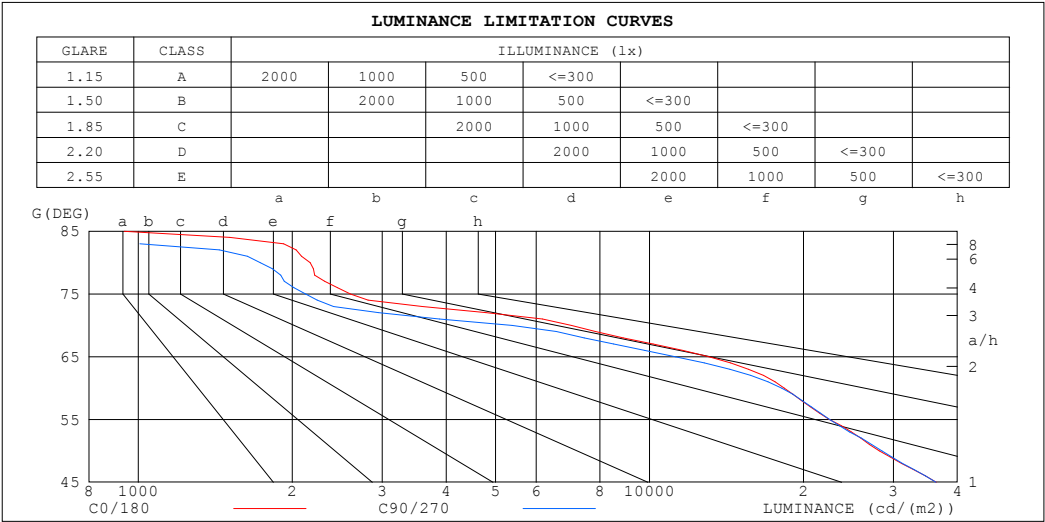
%lamp = 98.6%

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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz		
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	939	479
80	2169	1731
75	2599	2126
70	7031	5388
65	13065	11232
60	18338	18138
55	22479	22509
50	28155	28500
45	36408	36339

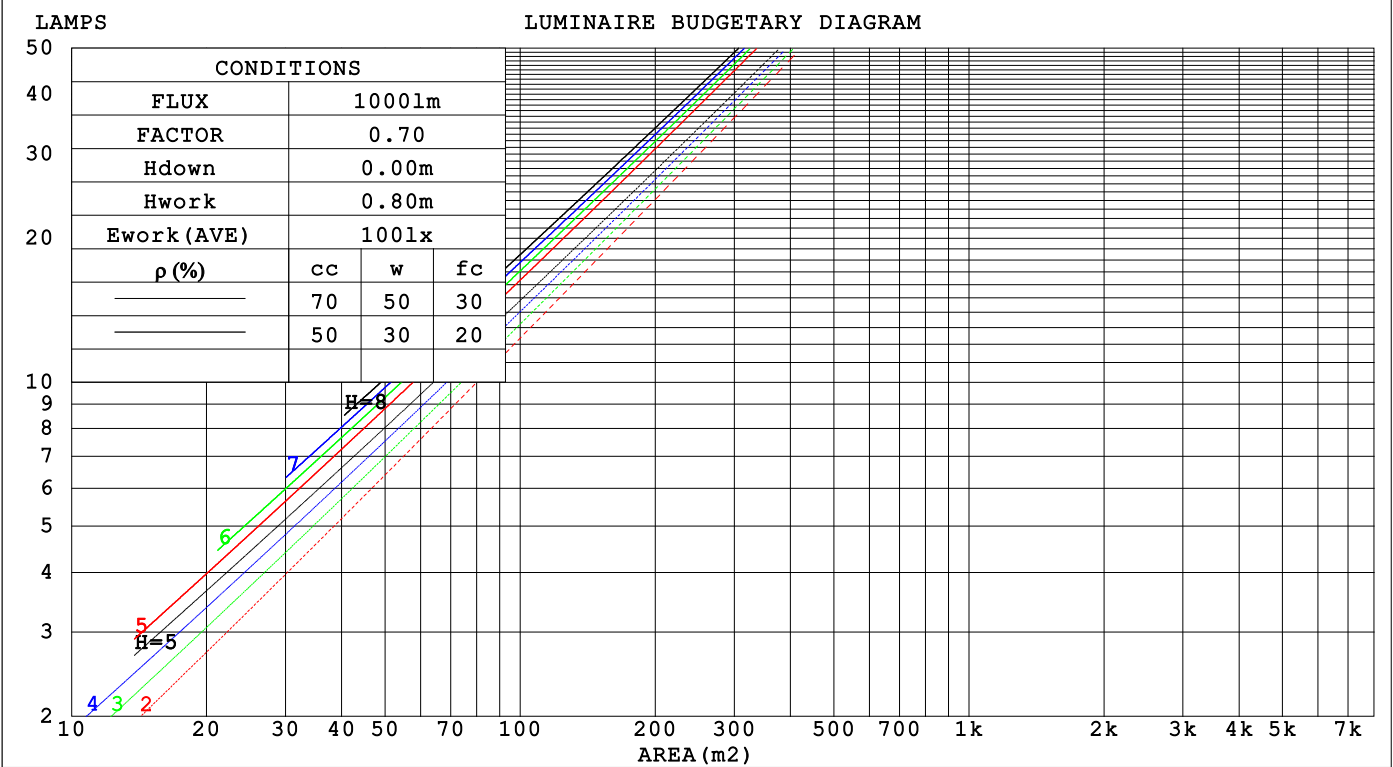
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz		
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793		
Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	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	1.00	.99	.98	.97	.95
2.0	1.06	1.03	.00	1.04	1.01	.99	1.01	.99	.96	.98	.96	.94	.95	.94	.92	.91
3.0	1.01	.96	.93	.99	.95	.92	.97	.94	.91	.94	.92	.90	.92	.90	.88	.87
4.0	.96	.91	.88	.95	.91	.87	.93	.89	.86	.91	.88	.85	.89	.87	.84	.83
5.0	.92	.87	.84	.91	.86	.83	.89	.85	.82	.88	.84	.82	.86	.83	.81	.80
6.0	.88	.83	.80	.87	.83	.80	.86	.82	.79	.85	.81	.79	.83	.80	.78	.77
7.0	.85	.80	.77	.84	.80	.77	.83	.79	.76	.82	.78	.76	.81	.78	.75	.74
8.0	.82	.77	.74	.81	.77	.74	.80	.76	.74	.79	.76	.73	.79	.75	.73	.72
9.0	.79	.75	.72	.79	.74	.71	.78	.74	.71	.77	.74	.71	.76	.73	.71	.70
10.0	.77	.72	.69	.76	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.69	.68



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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz		
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	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	.152	.086	.027	.145	.083	.026	.133	.076	.024	.121	.070	.022	.111	.064	.021	
2.0	.143	.078	.024	.138	.076	.023	.127	.071	.022	.118	.066	.021	.109	.062	.019	
3.0	.134	.071	.021	.130	.069	.021	.121	.066	.020	.113	.062	.019	.105	.058	.018	
4.0	.126	.066	.019	.122	.064	.019	.115	.061	.018	.108	.058	.017	.102	.055	.017	
5.0	.119	.061	.018	.115	.059	.017	.109	.057	.017	.103	.054	.016	.098	.052	.016	
6.0	.112	.056	.016	.109	.055	.016	.104	.053	.015	.099	.051	.015	.094	.049	.015	
7.0	.106	.052	.015	.104	.052	.015	.099	.050	.014	.094	.048	.014	.090	.047	.014	
8.0	.101	.049	.014	.098	.048	.014	.094	.047	.013	.090	.046	.013	.087	.044	.013	
9.0	.096	.046	.013	.094	.046	.013	.090	.045	.013	.087	.043	.012	.083	.042	.012	
10.0	.091	.044	.012	.090	.043	.012	.086	.042	.012	.083	.041	.012	.080	.040	.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	.169	.158	.147	.145	.135	.126	.099	.093	.087	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.116	.131	.114	.100	.089	.079	.070	.052	.046	.041	.017	.015	.013	
3.0	.138	.113	.093	.119	.098	.081	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.127	.098	.077	.109	.085	.067	.075	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.100	.075	.055	.069	.052	.039	.040	.031	.023	.013	.010	.008	
6.0	.108	.076	.054	.093	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.060	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.054	.034	.056	.038	.024	.033	.022	.015	.011	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.083	.051	.030	.072	.045	.026	.050	.031	.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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz											
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm											
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W						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		19.2	19.9	19.4	20.1	20.2	19.2	19.9	19.4	20.0	20.2
	3H	19.3	20.0	19.6	20.2	20.4	19.2	19.9	19.4	20.1	20.3
	4H	19.2	19.9	19.5	20.1	20.3	19.1	19.8	19.4	20.0	20.2
	6H	19.2	19.8	19.5	20.0	20.3	19.1	19.7	19.3	19.9	20.2
	8H	19.1	19.7	19.4	20.0	20.2	19.0	19.6	19.3	19.9	20.1
	12H	19.1	19.7	19.4	19.9	20.2	19.0	19.5	19.3	19.8	20.1
4H	2H	19.3	19.9	19.5	20.1	20.4	19.2	19.9	19.5	20.1	20.3
	3H	19.4	20.0	19.7	20.2	20.5	19.3	19.9	19.6	20.1	20.4
	4H	19.3	19.9	19.7	20.1	20.5	19.2	19.7	19.6	20.0	20.3
	6H	19.2	19.7	19.6	20.0	20.4	19.1	19.6	19.5	19.9	20.3
	8H	19.2	19.6	19.6	20.0	20.3	19.1	19.5	19.5	19.9	20.2
	12H	19.1	19.5	19.6	19.9	20.3	19.0	19.4	19.4	19.8	20.2
8H	4H	19.2	19.6	19.6	20.0	20.3	19.1	19.5	19.5	19.9	20.2
	6H	19.1	19.5	19.5	19.9	20.3	19.0	19.3	19.4	19.7	20.2
	8H	19.1	19.4	19.5	19.8	20.2	18.9	19.3	19.4	19.7	20.1
	12H	19.0	19.3	19.5	19.7	20.2	18.9	19.2	19.3	19.6	20.1
12H	4H	19.1	19.5	19.5	19.9	20.3	19.0	19.4	19.4	19.8	20.2
	6H	19.0	19.4	19.5	19.8	20.2	18.9	19.3	19.4	19.7	20.1
	8H	19.0	19.3	19.5	19.7	20.2	18.9	19.2	19.3	19.6	20.1
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 1.3 / - 2.1					+ 1.3 / - 2.1				
1.5H		+ 1.8 / - 1.1					+ 1.7 / - 1.1				
2.0H		+ 2.1 / - 2.0					+ 2.1 / - 2.2				

CIE Pub.117, 1587 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 1.6$)
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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz		
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

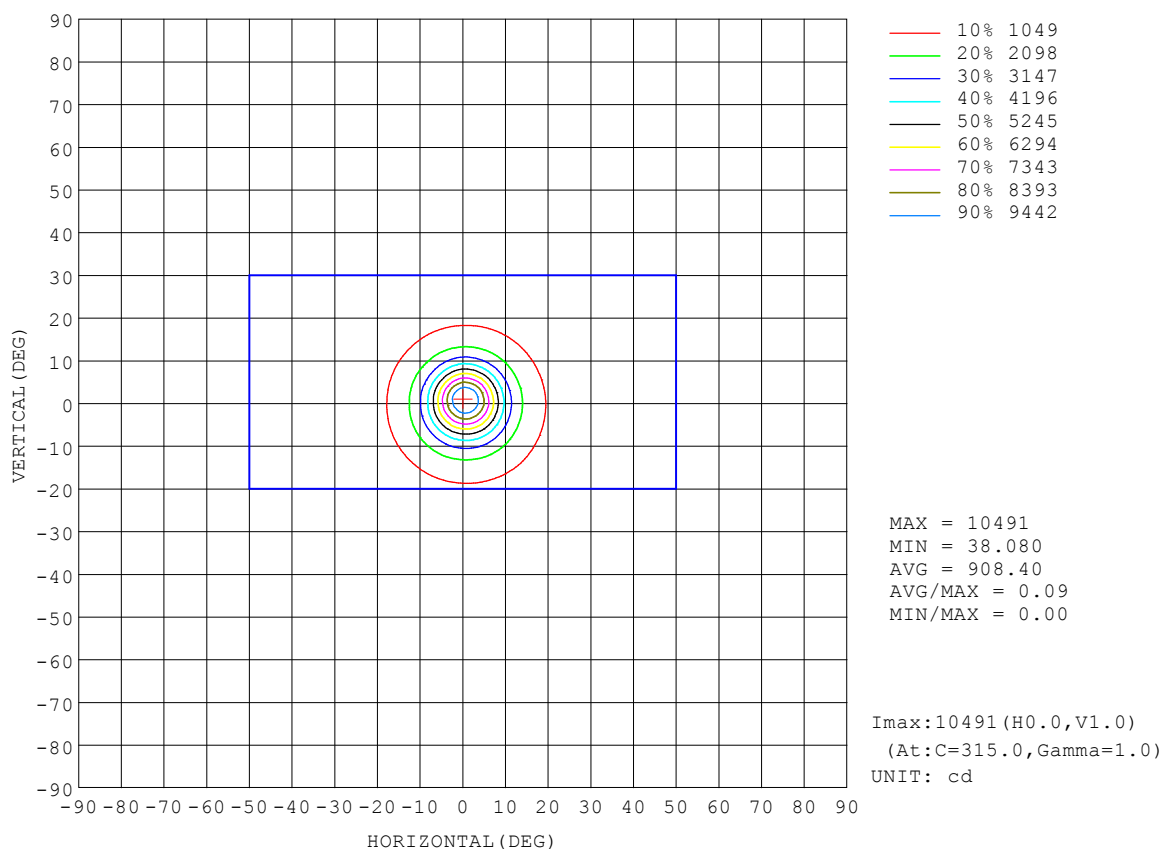
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	79	76	85	79	75	72
0.80	94	88	84	93	87	84	92	87	83	79
1.00	98	93	89	98	92	89	96	92	88	84
1.25	103	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

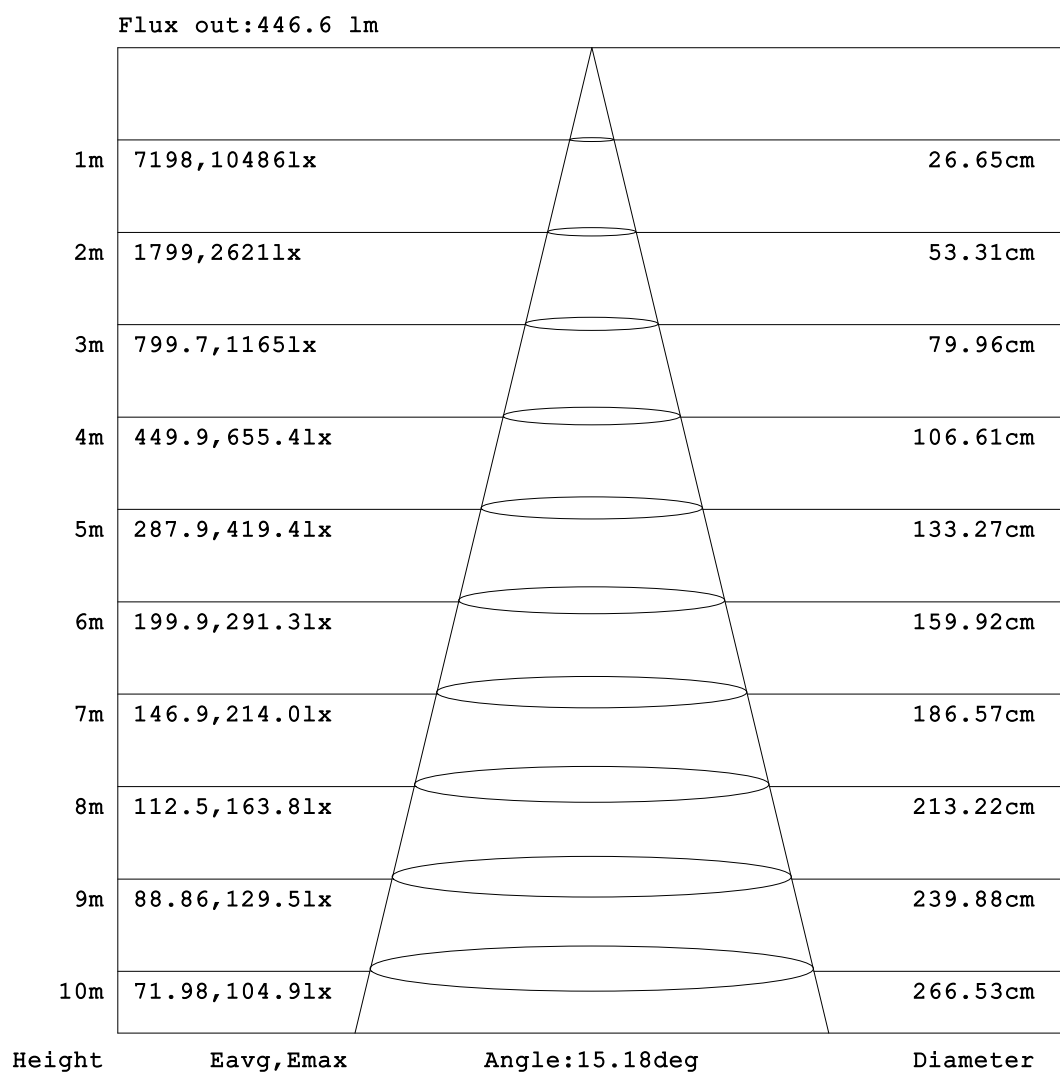


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:DAMIN
Test Date:2024-08-14

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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz		
UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:



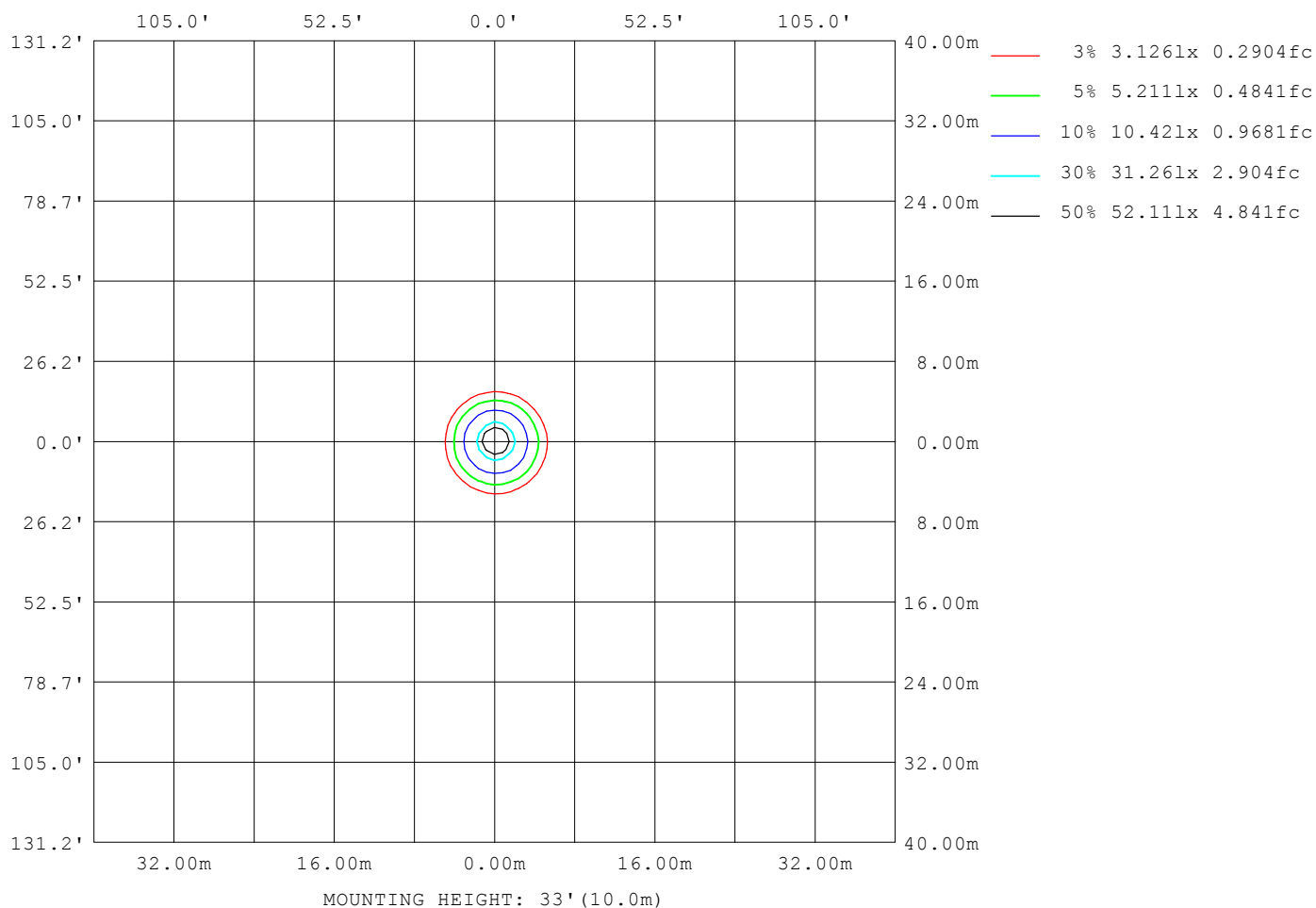
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	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:240.5V I:0.0633A P:14.8W PF:0.9729 Freq:49.99Hz UTHDi:0.18% ITHDi:7.61% KDisp:0.9793 Lamp Flux:1586.75x1 lm		
NAME: TR11-20-XX-01+白色防眩环 3000K RA90 15D 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Norming lighting	SUR.: 70mm	Shielding Angle:

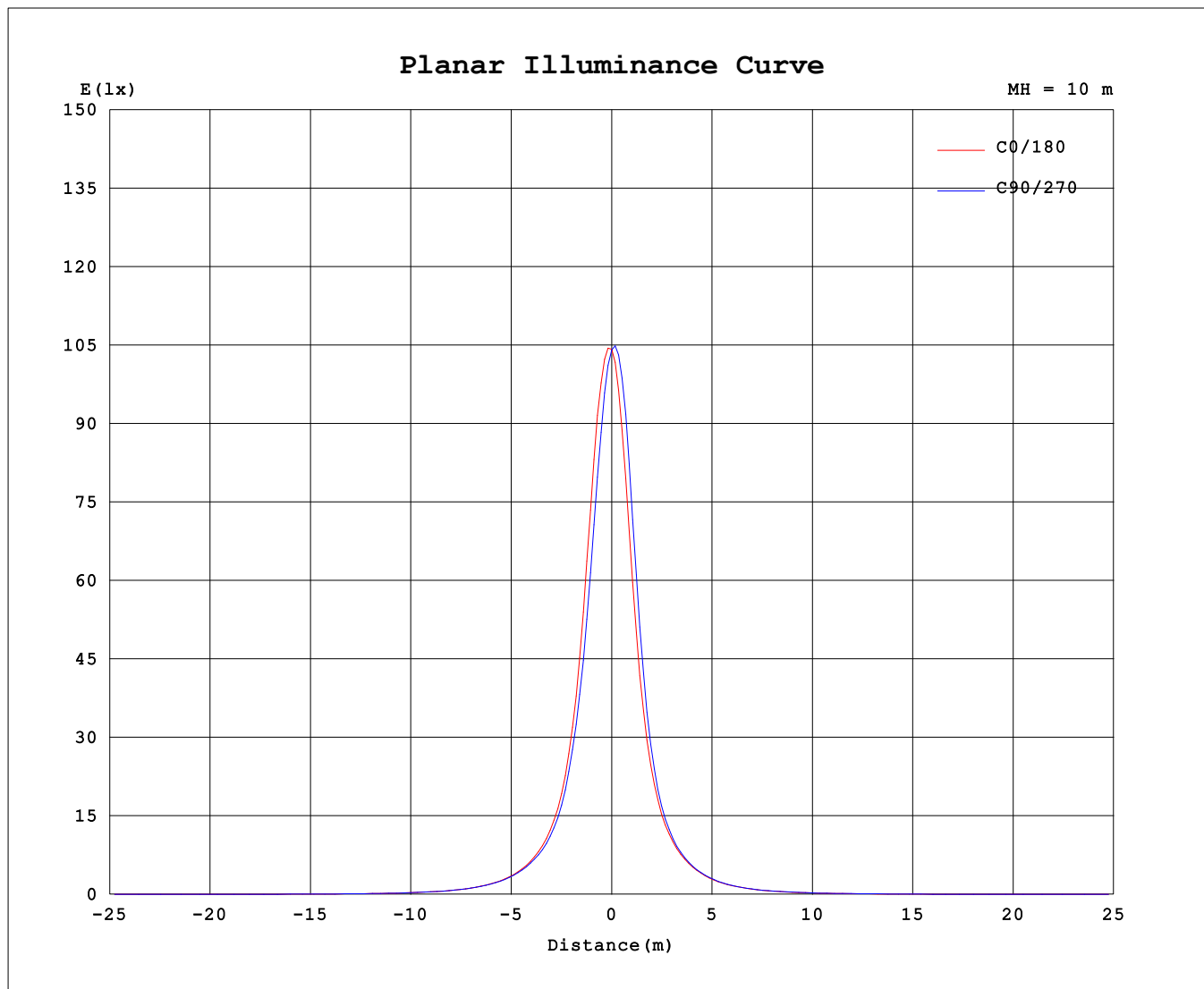
AvgL	cd/m2
L_0~180 (65) av	11272
L_0~180 (75) av	2366
L_0~180 (85) av	706
L_90~270 (65) av	11498
L_90~270 (75) av	2379
L_90~270 (85) av	621
L_45 (65) av	11180
L_45 (75) av	2353
L_45 (85) av	581

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 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	10409	10409	10409	10409	10409	10409	10409	10409
3.0	9809	9296	8871	8723	8904	9427	9913	10058
6.0	7459	6845	6246	6015	6055	6531	7281	7623
9.0	4697	4379	3964	3741	3636	3847	4389	4685
12.0	2871	2751	2512	2349	2238	2327	2556	2780
15.0	1822	1775	1627	1535	1469	1500	1598	1737
18.0	1244	1225	1134	1067	1019	1022	1074	1166
21.0	882.6	885.8	827.3	773.7	726.6	726.3	755.5	821.1
24.0	642.1	656.6	616.3	571.9	531.4	527.5	547.1	595.6
27.0	475.2	489.4	462.5	425.9	392.8	387.2	402.4	437.8
30.0	355.8	368.3	350.3	320.8	294.0	288.1	300.7	326.3
33.0	269.0	279.4	266.2	243.5	222.7	217.6	227.5	246.4
36.0	205.2	214.8	203.2	186.9	170.8	166.3	175.1	188.3
39.0	158.0	165.3	156.7	144.6	132.2	128.6	136.2	145.7
42.0	123.5	129.0	122.7	113.2	104.0	101.0	107.7	114.3
45.0	97.71	102.0	97.61	89.99	82.78	80.89	86.53	91.67
48.0	79.00	81.60	79.37	72.24	66.63	65.19	70.40	73.90
51.0	64.27	66.04	65.05	59.82	54.68	53.59	59.21	60.46
54.0	52.94	53.50	52.48	47.39	44.29	43.83	48.91	49.90
57.0	42.63	43.48	42.86	38.62	36.15	35.79	38.78	40.13
60.0	34.80	35.20	34.45	30.79	28.98	29.25	31.77	32.80
63.0	26.91	25.97	24.75	21.63	20.69	21.93	24.33	25.53
66.0	17.92	16.15	15.12	13.01	12.80	14.35	16.23	17.30
69.0	10.66	9.619	8.945	7.712	7.710	8.794	9.939	10.67
72.0	5.615	4.236	3.459	2.992	3.146	4.093	4.958	5.817
75.0	2.553	2.259	2.090	1.997	2.101	2.353	2.590	2.647
78.0	1.746	1.565	1.499	1.425	1.487	1.669	1.875	1.840
81.0	1.238	1.076	0.9710	0.9044	0.9806	1.134	1.337	1.327
84.0	0.5993	0.3237	0.2201	0.1636	0.2014	0.3196	0.5580	0.6483
87.0	0.1484	0.0885	0.0958	0.0640	0.0831	0.0862	0.1339	0.1212
90.0	0.0494	0.0260	0.0556	0.0326	0.0337	0.0231	0.0376	0.0280

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