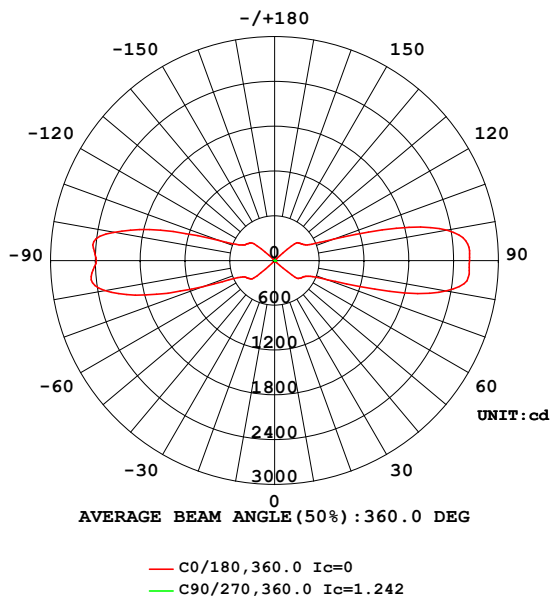


## LUMINAIRE PHOTOMETRIC TEST REPORT

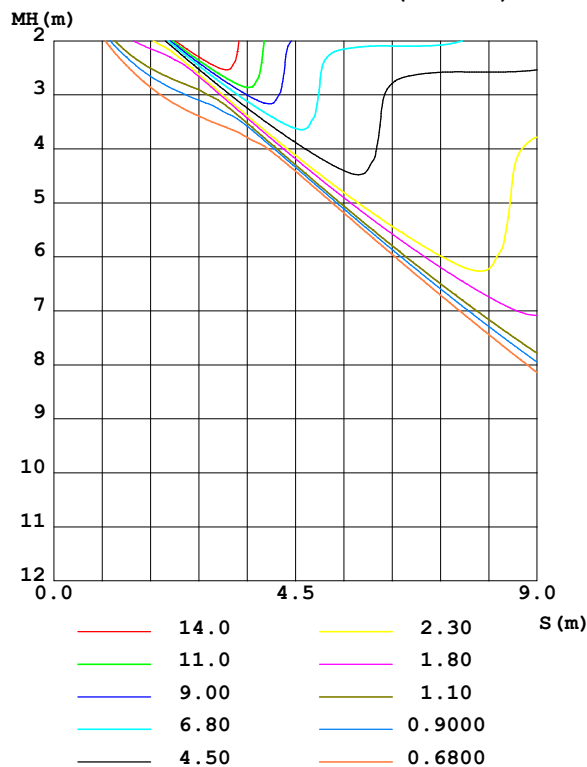
Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圓桶壁燈 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m <sup>2</sup>	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.45 lm/W			
MODEL		I <sub>max</sub> (cd)	2616	S/MH(C0/180)	0.00
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)		TOTAL FLUX(lm)	2337.4	η UP,DN(C0-180)	25.3,25.1
NOMINAL FLUX(lm)	2337.42	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.2,25.3
LAMPS INSIDE	1	η up(%)	49.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)		η down(%)	50.4	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

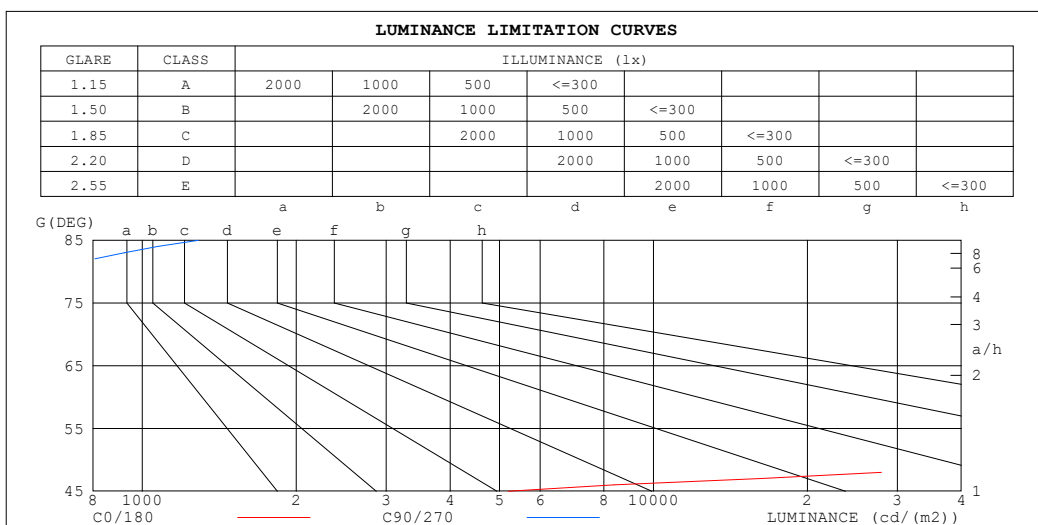
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	
10	0.7692	0.5600	1.242	0.9321	0.7372	0.9655	1.194	0.6099	0- 10	0.0594	0.0594	0.0594
20	1.624	0.8849	1.186	1.121	1.734	1.163	1.126	0.9658	10- 20	0.2923	0.3517	0.3517
30	7.069	1.521	1.126	2.373	7.869	2.386	1.070	1.487	20- 30	0.9794	1.331	1.331
40	18.50	4.261	1.086	5.984	19.36	5.900	1.026	3.843	30- 40	3.350	4.681	4.681
50	297.2	9.160	1.030	10.78	365.6	11.33	0.9855	8.765	40- 50	16.64	21.32	21.32
60	444.0	14.71	0.9855	16.08	450.0	16.68	0.9655	14.31	50- 60	108.4	129.7	129.7
70	753.7	21.45	0.9655	22.88	1015	23.00	0.9455	21.18	60- 70	182.5	312.2	312.2
80	2343	29.82	0.9535	32.70	2316	36.32	0.9295	31.70	70- 80	355.6	667.8	667.8
90	2611	43.36	0.9535	41.16	2388	53.10	0.9133	38.51	80- 90	511.4	1179	1179
100	2348	31.35	0.9135	29.40	2193	31.32	0.8733	32.81	90-100	507.4	1687	1687
110	843.0	21.71	0.8453	20.12	797.1	22.10	0.8052	24.35	100-110	345.5	2032	2032
120	439.7	14.89	0.7893	14.01	442.2	15.97	0.7652	17.16	110-120	178.3	2210	2210
130	349.9	9.505	0.7653	8.900	309.8	10.95	0.7652	11.14	120-130	106.2	2316	2316
140	19.14	4.841	0.7612	4.376	18.36	5.414	0.7652	5.391	130-140	16.35	2333	2333
150	7.625	1.804	0.7572	1.864	7.318	2.105	0.7452	1.921	140-150	3.315	2336	2336
160	1.761	1.014	0.6972	1.182	1.648	1.334	0.6970	1.001	150-160	0.9550	2337	2337
170	0.7814	0.9534	0.6370	0.7186	1.216	0.7075	0.6450	0.9009	160-170	0.2830	2337	2337
180	0	0.0841	0.6490	0.1042	0	0.0681	0.6450	0.1002	170-180	0.0495	2337	2337
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圆桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m <sup>2</sup>	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3519205	1289
80	1589261	647
75	728555	438
70	259548	332
65	139234	271
60	104593	232
55	85545	206
50	54464	189
45	5199	178

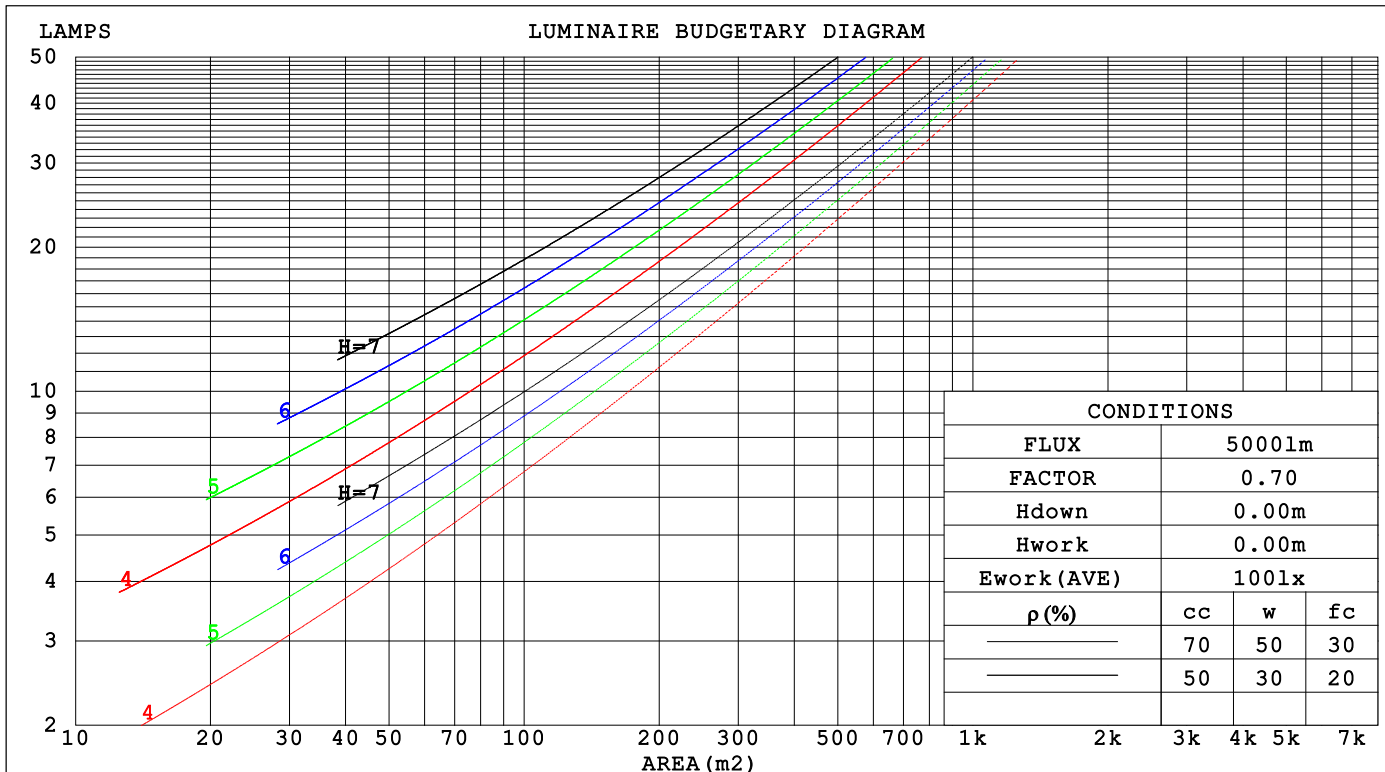
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圓桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	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	1.07	1.07	1.07	.99	.99	.99	.84	.84	.84	.69	.69	.69	.57	.57	.57	.50														
1.0	.79	.71	.64	.71	.64	.58	.58	.52	.47	.45	.41	.37	.34	.30	.27	.21														
2.0	.64	.54	.45	.58	.49	.41	.46	.39	.33	.35	.29	.24	.25	.20	.17	.11														
3.0	.54	.43	.35	.49	.39	.31	.38	.31	.24	.29	.23	.18	.20	.15	.11	.06														
4.0	.47	.36	.28	.42	.32	.25	.33	.25	.19	.25	.18	.13	.17	.12	.08	.04														
5.0	.41	.30	.23	.37	.27	.20	.29	.21	.15	.22	.15	.11	.15	.10	.06	.02														
6.0	.36	.26	.19	.33	.23	.17	.26	.18	.13	.19	.13	.09	.13	.09	.05	.02														
7.0	.32	.23	.16	.29	.20	.14	.23	.16	.11	.17	.12	.07	.12	.07	.04	.01														
8.0	.29	.20	.14	.26	.18	.12	.21	.14	.09	.16	.10	.06	.11	.07	.03	.01														
9.0	.27	.18	.12	.24	.16	.11	.19	.13	.08	.15	.09	.05	.10	.06	.03	.00														
10.0	.24	.16	.11	.22	.14	.09	.18	.11	.07	.13	.08	.05	.10	.05	.03	.00														



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圓桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	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	.565	.321	.102	.542	.309	.098	.500	.287	.092	.461	.266	.085	.425	.246	.079		
2.0	.429	.235	.072	.409	.225	.069	.370	.206	.064	.334	.187	.059	.301	.170	.054		
3.0	.355	.189	.057	.336	.180	.054	.300	.163	.049	.267	.146	.045	.237	.131	.041		
4.0	.305	.158	.047	.287	.150	.044	.255	.135	.040	.224	.121	.036	.196	.107	.032		
5.0	.268	.137	.040	.252	.129	.038	.222	.116	.034	.194	.102	.030	.168	.090	.027		
6.0	.240	.120	.034	.225	.114	.033	.197	.101	.029	.172	.089	.026	.148	.078	.023		
7.0	.217	.107	.030	.204	.101	.029	.178	.090	.026	.154	.079	.023	.132	.068	.020		
8.0	.198	.097	.027	.186	.092	.026	.162	.081	.023	.140	.071	.020	.119	.061	.018		
9.0	.183	.088	.025	.171	.083	.023	.149	.074	.021	.129	.064	.018	.109	.055	.016		
10.0	.169	.081	.023	.159	.077	.021	.138	.068	.019	.119	.059	.017	.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	.568	.568	.568	.485	.485	.485	.331	.331	.331	.190	.190	.190	.061	.061	.061		
1.0	.579	.535	.495	.495	.459	.426	.339	.316	.295	.195	.183	.171	.062	.059	.055		
2.0	.574	.514	.465	.491	.443	.402	.337	.306	.280	.194	.178	.164	.062	.058	.054		
3.0	.566	.500	.448	.485	.431	.388	.333	.300	.272	.192	.175	.160	.062	.057	.053		
4.0	.557	.489	.437	.478	.423	.380	.329	.295	.267	.190	.173	.158	.061	.056	.052		
5.0	.549	.480	.430	.471	.416	.374	.325	.290	.264	.188	.170	.157	.061	.056	.052		
6.0	.541	.473	.425	.465	.410	.370	.321	.287	.262	.186	.169	.156	.060	.055	.051		
7.0	.533	.467	.421	.458	.405	.367	.317	.284	.260	.184	.167	.155	.059	.055	.051		
8.0	.525	.462	.418	.452	.401	.365	.313	.281	.259	.182	.166	.154	.059	.054	.051		
9.0	.519	.457	.416	.447	.397	.363	.310	.279	.258	.180	.165	.154	.058	.054	.051		
10.0	.512	.453	.414	.442	.394	.361	.306	.277	.257	.179	.164	.153	.058	.054	.051		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm										
NAME: 1013 圓桶壁灯 21W 普瑞 COB FULL 110B-L					TYPE:			WEIGHT:		
SPEC.: 4000K					DIM.:			SERIAL No.:		
MFR.:					SUR.: 0.00849m²			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	23.5	24.7	24.4	25.6	26.8	-8.4	-7.2	-7.5	-6.2	-5.0
3H	29.3	30.4	30.2	31.3	32.6	-7.7	-6.6	-6.9	-5.7	-4.4
4H	34.6	35.6	35.5	36.6	37.8	-7.1	-6.0	-6.2	-5.1	-3.8
6H	40.0	41.0	40.9	42.0	43.3	-6.2	-5.2	-5.3	-4.2	-3.0
8H	42.4	43.4	43.3	44.4	45.7	-5.6	-4.7	-4.7	-3.7	-2.4
12H	44.7	45.7	45.7	46.7	48.0	-5.0	-4.0	-4.0	-3.0	-1.7
4H 2H	23.2	24.3	24.1	25.2	26.5	12.9	14.0	13.8	14.9	16.2
3H	29.3	30.3	30.2	31.2	32.5	12.6	13.5	13.5	14.5	15.8
4H	34.5	35.4	35.5	36.4	37.7	12.4	13.3	13.3	14.3	15.6
6H	40.2	41.0	41.2	42.0	43.4	12.2	13.0	13.2	14.0	15.4
8H	42.8	43.6	43.8	44.6	46.0	12.1	12.9	13.1	13.9	15.2
12H	45.5	46.2	46.5	47.2	48.6	12.0	12.8	13.0	13.8	15.1
8H 4H	34.3	35.1	35.3	36.1	37.4	20.1	20.9	21.1	21.9	23.2
6H	40.0	40.7	41.0	41.7	43.1	19.9	20.6	20.9	21.6	23.0
8H	42.8	43.4	43.8	44.4	45.8	19.9	20.5	20.9	21.5	22.9
12H	45.7	46.3	46.7	47.3	48.7	19.8	20.3	20.8	21.4	22.7
12H 4H	34.2	34.9	35.2	36.0	37.3	23.6	24.4	24.6	25.4	26.7
6H	40.0	40.6	40.9	41.6	43.0	23.7	24.3	24.7	25.3	26.7
8H	42.7	43.3	43.7	44.3	45.7	23.6	24.2	24.6	25.2	26.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.3 / - 0.4				
1.5H	+ 0.5 / - 0.4					+ 0.9 / - 0.3				
2.0H	+ 0.9 / - 0.8					+ 1.8 / - 1.1				

CIE Pub.117, 2337 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)  
Area: 0.00849 m2

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圓桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	Shielding Angle:

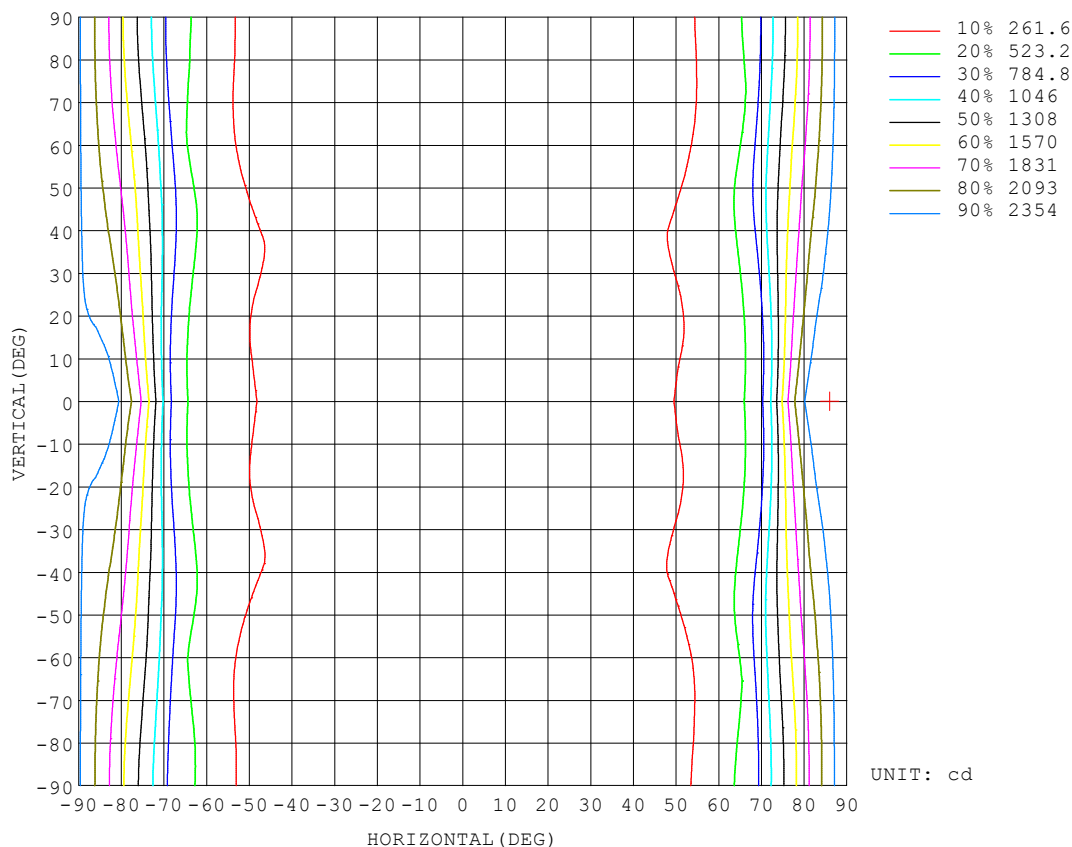
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	30	16	8	28	15	8	26	14	7	0
0.80	37	21	12	35	20	11	31	18	10	1
1.00	43	26	15	40	25	15	35	24	13	2
1.25	49	32	20	46	30	19	39	26	16	3
1.50	54	37	25	50	34	23	43	29	20	5
2.00	62	45	33	57	42	30	48	36	26	8
2.50	67	51	39	62	48	36	52	40	31	11
3.00	72	57	45	66	52	41	55	44	35	14
4.00	78	64	53	71	59	49	60	50	42	18
5.00	82	70	60	75	64	55	63	54	46	21
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3℃  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## ISOCANDELA DIAGRAM

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圆桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	Shielding Angle:

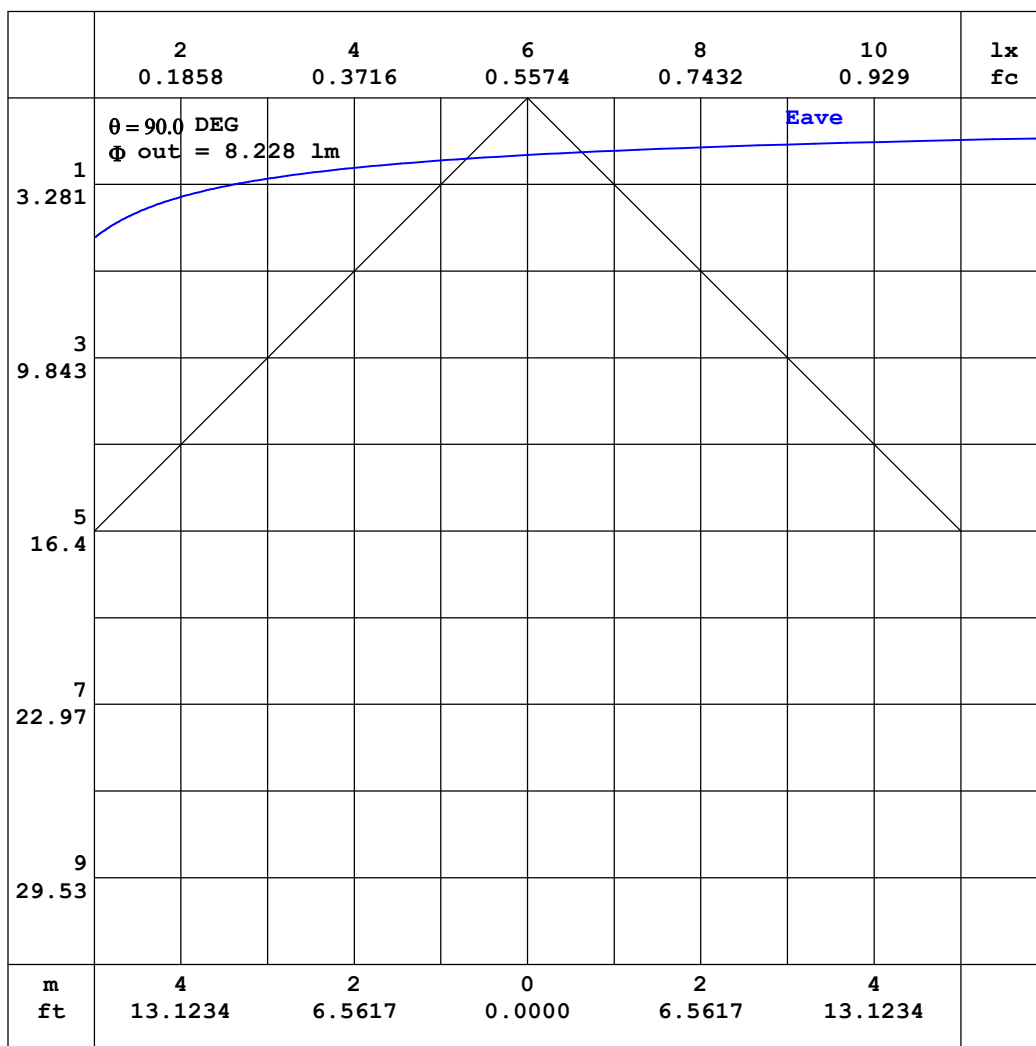


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

### AAI CURVES

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圓桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	Shielding Angle:



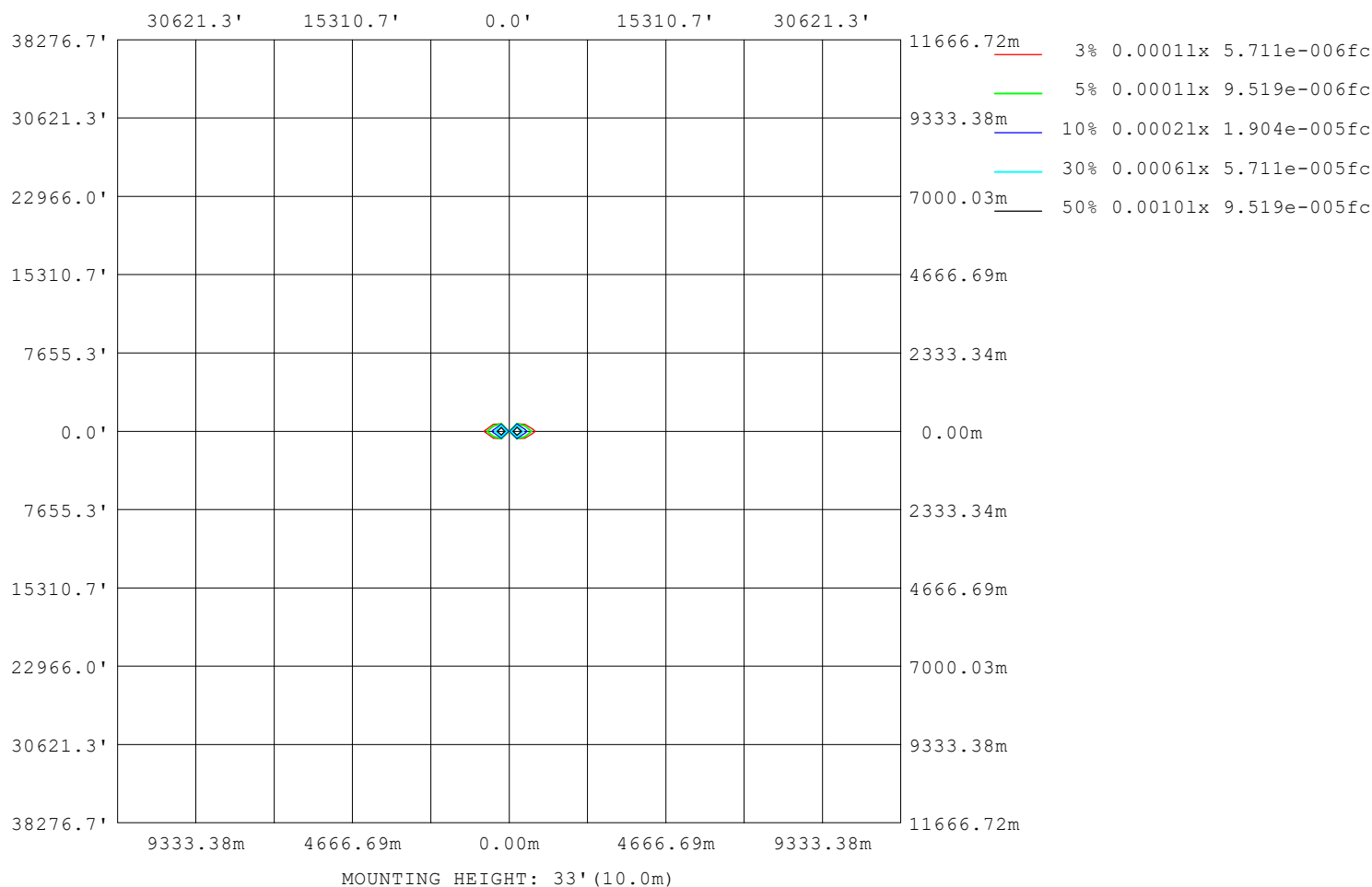
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3℃  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## ISOLUX DIAGRAM

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圆桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圆桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	Shielding Angle:

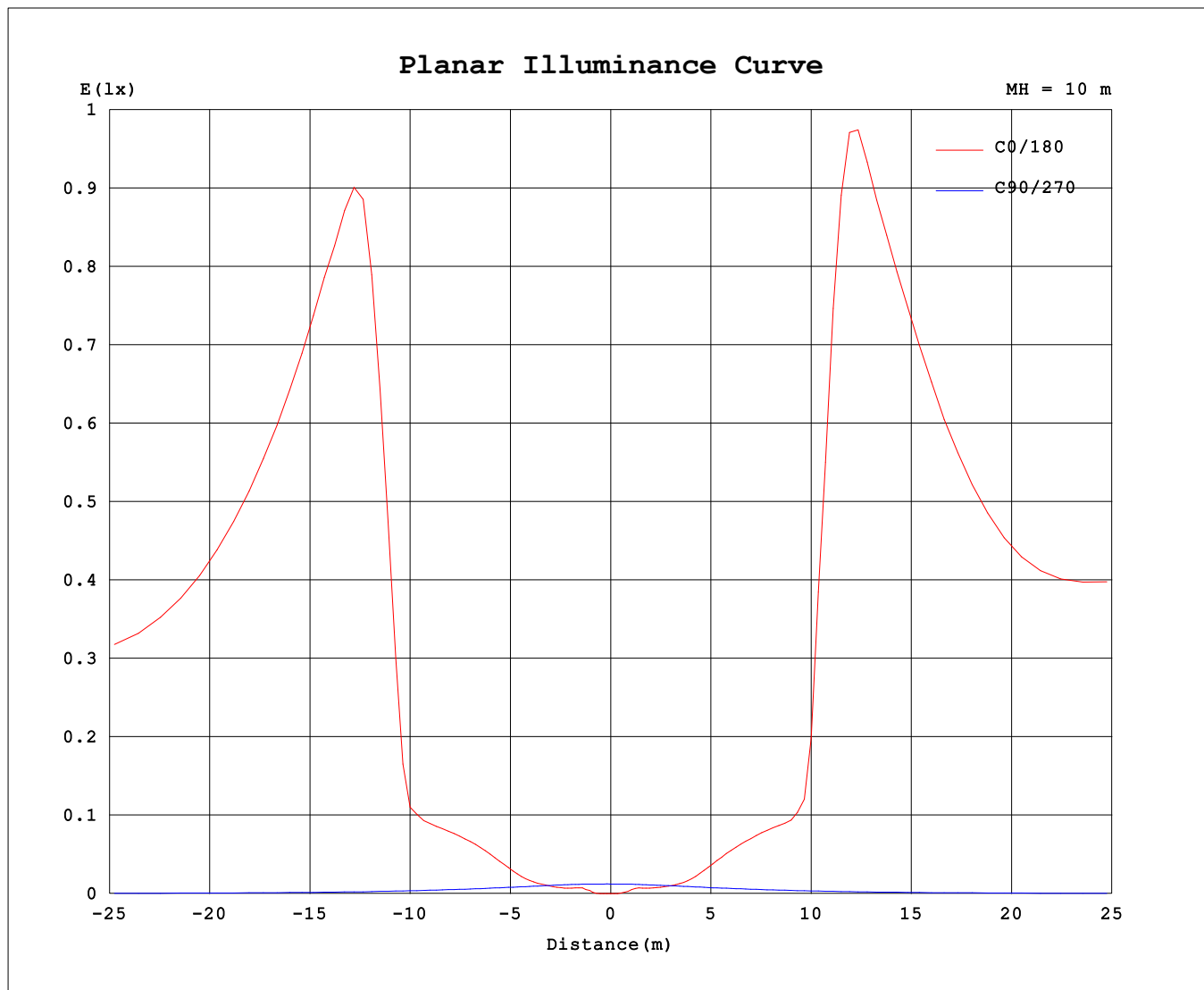
AvgL	cd/m2
L_0~180 (65) av	145716
L_0~180 (75) av	771116
L_0~180 (85) av	3425615
L_90~270 (65) av	269
L_90~270 (75) av	434
L_90~270 (85) av	1267
L_45 (65) av	5119
L_45 (75) av	12174
L_45 (85) av	54682

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:  
Test Date:2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:7.100m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators:  
Test Date: 2023-12-07

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 7.100m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.78V I:0.2001A P:23.743W PF:0.9908 Freq:59.98Hz Lamp Flux:2337.42x1 lm		
NAME: 1013 圓桶壁灯 21W 普瑞 COB FULL 110B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00849m²	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	0.00	0.00	0.13	0.63	1.24	0.69	0.10	0.00	0.00	0.00	0.13	0.63	1.24	0.69	0.10	0.00			
5	0.16	0.14	0.11	0.60	1.24	0.78	0.32	0.33	0.33	0.30	0.36	0.72	1.23	0.64	0.12	0.10			
10	0.77	0.73	0.56	0.62	1.24	1.01	0.93	0.74	0.74	0.79	0.97	0.94	1.19	0.60	0.61	0.83			
15	0.93	0.85	0.80	0.77	1.22	1.31	0.90	0.93	0.99	0.90	0.95	1.31	1.16	0.71	1.00	0.82			
20	1.62	1.21	0.88	1.06	1.19	1.57	1.12	1.50	1.73	1.48	1.16	1.66	1.13	1.04	0.97	1.14			
25	3.40	2.07	1.13	1.21	1.15	1.57	1.56	3.04	3.99	3.01	1.60	1.72	1.09	1.42	1.15	1.98			
30	7.07	4.50	1.52	1.21	1.13	1.62	2.37	6.03	7.87	6.05	2.39	1.73	1.07	1.64	1.49	4.33			
35	12.1	8.30	2.47	1.27	1.10	1.72	3.95	9.92	12.8	10.1	3.85	1.81	1.05	1.66	2.28	8.00			
40	18.5	13.0	4.26	1.34	1.09	1.86	5.98	14.7	19.4	15.1	5.90	1.95	1.03	1.57	3.84	12.8			
45	31.2	19.1	6.54	1.43	1.07	2.03	8.29	21.2	56.2	22.0	8.46	2.13	1.01	1.48	6.10	18.3			
50	297	31.0	9.16	1.53	1.03	2.22	10.8	75.6	366	78.0	11.3	2.31	0.99	1.48	8.76	29.2			
55	417	230	11.8	1.66	1.00	2.41	13.4	333	420	334	14.0	2.52	0.97	1.59	11.5	221			
60	444	399	14.7	1.79	0.99	2.61	16.1	411	450	406	16.7	2.73	0.97	1.69	14.3	394			
65	500	425	17.9	1.94	0.97	2.82	19.1	433	546	432	19.4	2.94	0.96	1.82	17.1	423			
70	754	443	21.5	2.10	0.97	3.05	22.9	453	1015	453	23.0	3.17	0.95	1.97	21.2	444			
75	1601	468	24.7	2.24	0.96	3.20	28.4	488	1788	488	28.3	3.33	0.95	2.14	25.6	465			
80	2343	522	29.8	2.39	0.95	3.30	32.7	561	2316	544	36.3	3.43	0.93	2.29	31.7	498			
85	2604	586	35.5	2.52	0.95	3.31	39.4	636	2466	597	51.6	3.50	0.92	2.42	35.3	544			
90	2611	623	43.4	2.54	0.95	3.30	41.2	653	2388	621	53.1	3.54	0.91	2.50	38.5	575			
95	2596	603	41.2	2.51	0.95	3.22	35.2	607	2447	583	44.3	3.52	0.90	2.51	36.9	556			
100	2348	540	31.3	2.40	0.91	3.09	29.4	529	2193	512	31.3	3.36	0.87	2.48	32.8	509			
105	1688	479	26.2	2.24	0.88	2.93	24.1	468	1581	471	26.4	3.17	0.84	2.38	28.4	474			
110	843	445	21.7	2.07	0.85	2.75	20.1	441	797	447	22.1	2.91	0.81	2.24	24.4	447			
115	512	424	18.0	1.88	0.81	2.55	16.8	419	498	428	18.9	2.66	0.77	2.06	20.1	425			
120	440	400	14.9	1.70	0.79	2.36	14.0	396	442	382	16.0	2.45	0.77	1.89	17.2	400			
125	411	316	12.1	1.53	0.77	2.15	11.4	233	412	227	13.5	2.30	0.77	1.73	14.1	307			
130	350	63.4	9.50	1.41	0.77	1.97	8.90	30.8	310	39.2	11.0	2.22	0.77	1.59	11.1	61.7			
135	48.2	20.6	7.09	1.31	0.76	1.84	6.47	18.3	32.8	21.0	8.03	2.23	0.77	1.46	8.04	21.6			
140	19.1	13.7	4.84	1.23	0.76	1.81	4.38	12.7	18.4	14.2	5.41	2.30	0.77	1.35	5.39	14.8			
145	12.4	9.03	2.96	1.19	0.76	1.91	2.76	8.34	12.3	9.22	3.35	2.31	0.76	1.27	3.27	9.62			
150	7.62	5.30	1.80	1.20	0.76	1.92	1.86	4.83	7.32	5.18	2.11	2.16	0.75	1.18	1.92	5.52			
155	3.78	2.52	1.27	1.29	0.75	1.64	1.40	2.31	3.63	2.51	1.50	1.76	0.73	1.12	1.30	2.63			
160	1.76	1.32	1.01	1.23	0.70	1.16	1.18	1.29	1.65	1.40	1.33	1.26	0.70	1.12	1.00	1.44			
165	1.03	0.91	0.89	0.93	0.66	0.70	1.37	0.99	1.01	1.05	1.45	0.76	0.65	0.99	0.83	0.96			
170	0.78	0.85	0.95	0.58	0.64	0.45	0.72	1.04	1.22	1.14	0.71	0.51	0.65	0.61	0.90	0.77			
175	0.47	0.40	0.30	0.38	0.64	0.38	0.17	0.13	0.18	0.19	0.12	0.43	0.65	0.40	0.28	0.44			
180	0.00	0.00	0.08	0.38	0.65	0.38	0.10	0.00	0.00	0.00	0.07	0.40	0.65	0.38	0.10	0.00			

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