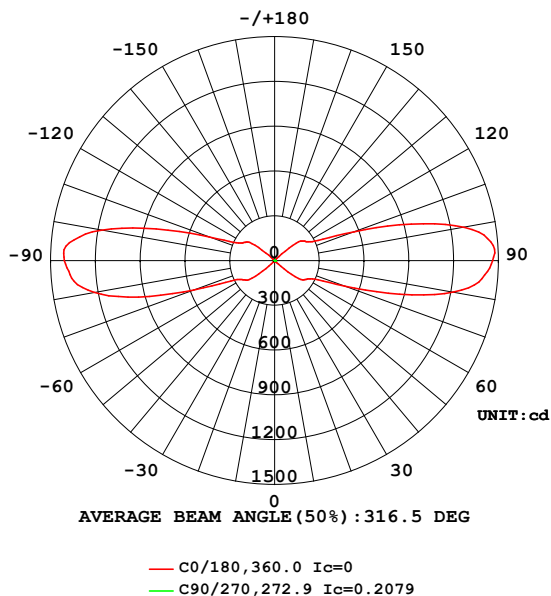


## LUMINAIRE PHOTOMETRIC TEST REPORT

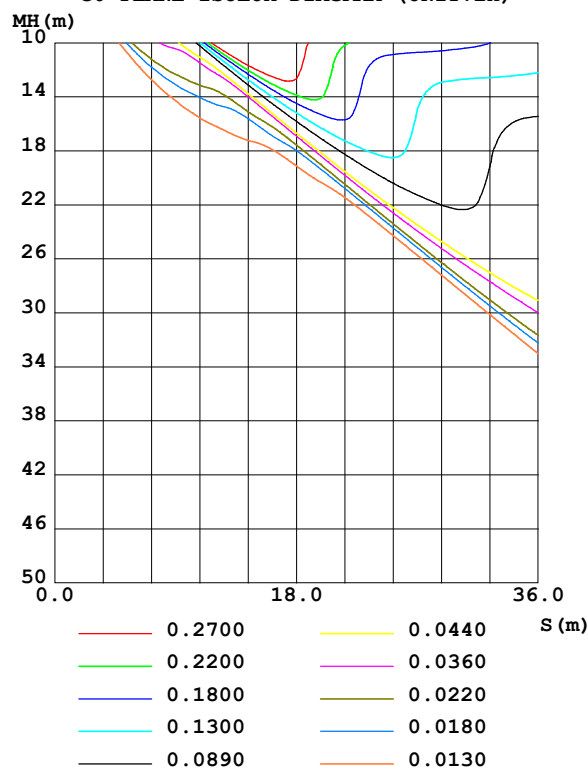
Test:U:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.24 lm/W			
MODEL		I <sub>max</sub> (cd)	1476	S/MH(C0/180)	0.00
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)		TOTAL FLUX(lm)	1310.0	η UP,DN(C0-180)	25.6,25.0
NOMINAL FLUX(lm)	1309.97	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	24.3,25.1
LAMPS INSIDE	1	η up (%)	49.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)		η down (%)	50.1	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:

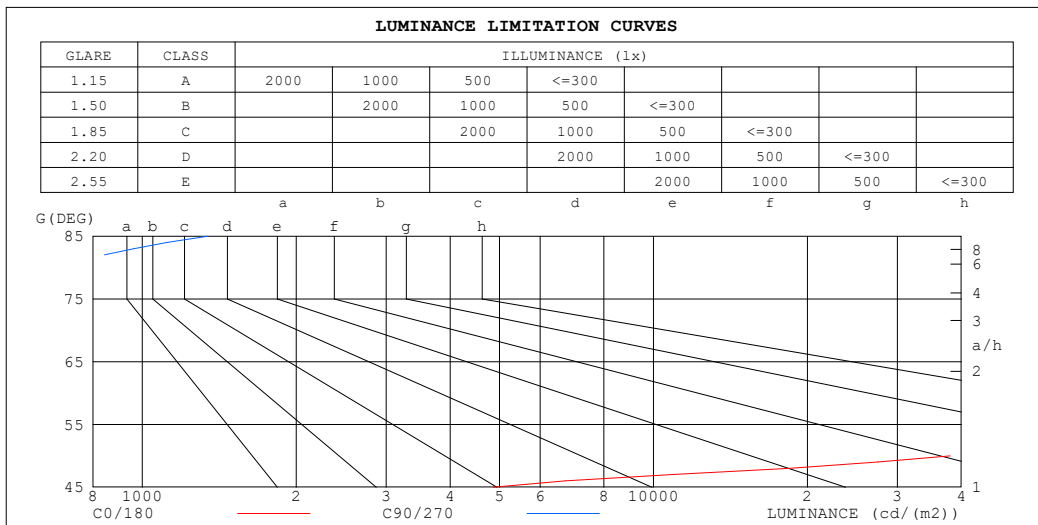
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	
10	0.2494	1.117	0.2054	1.020	0.2564	1.722	0.1998	0.8799	0- 10	0.0269	0.0269	0.0269
20	0.5558	1.834	0.1991	1.524	0.7389	2.592	0.1913	1.177	10- 20	0.1273	0.1542	0.1542
30	3.392	3.526	0.1950	3.873	3.778	5.371	0.1796	2.499	20- 30	0.4617	0.6160	0.6160
40	8.610	11.59	0.1803	10.18	9.019	13.90	0.1699	7.947	30- 40	1.632	2.248	2.248
50	116.7	25.16	0.1703	18.69	140.3	27.37	0.1609	16.38	40- 50	6.839	9.087	9.087
60	250.7	38.39	0.1637	27.77	254.7	41.01	0.1503	25.40	50- 60	50.51	59.60	59.60
70	502.4	50.82	0.1582	44.64	579.2	53.68	0.1457	37.08	60- 70	104.0	163.6	163.6
80	1217	72.36	0.1549	75.72	1227	75.13	0.1432	70.63	70- 80	198.6	362.2	362.2
90	1459	79.00	0.1515	111.2	1410	84.78	0.1382	131.8	80- 90	294.4	656.6	656.6
100	1288	73.13	0.1405	60.76	1178	72.41	0.1272	88.51	90-100	296.9	953.4	953.4
110	568.8	53.20	0.1294	32.74	468.0	49.92	0.1150	41.34	100-110	195.1	1148	1148
120	254.6	42.15	0.1239	22.90	242.9	37.33	0.1065	26.66	110-120	101.8	1250	1250
130	156.9	27.87	0.1146	14.71	109.2	24.12	0.1029	17.97	120-130	50.80	1301	1301
140	8.869	13.13	0.1079	7.208	8.041	11.17	0.1015	9.298	130-140	6.862	1308	1308
150	3.771	4.292	0.1029	2.653	3.108	4.236	0.1001	2.478	140-150	1.515	1309	1309
160	0.7147	1.858	0.0962	1.294	0.6039	1.948	0.0962	0.9589	150-160	0.3990	1310	1310
170	0.2407	1.560	0.0896	0.6105	0.2055	0.7318	0.0921	0.8388	160-170	0.0935	1310	1310
180	0	0.0459	0.0907	0.0388	0	0	0.0907	0.0388	170-180	0.0159	1310	1310
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:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m <sup>2</sup>	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3353753	1341
80	1468820	677
75	704211	457
70	307933	351
65	147976	288
60	105130	249
55	83293	220
50	38073	201
45	4855	185

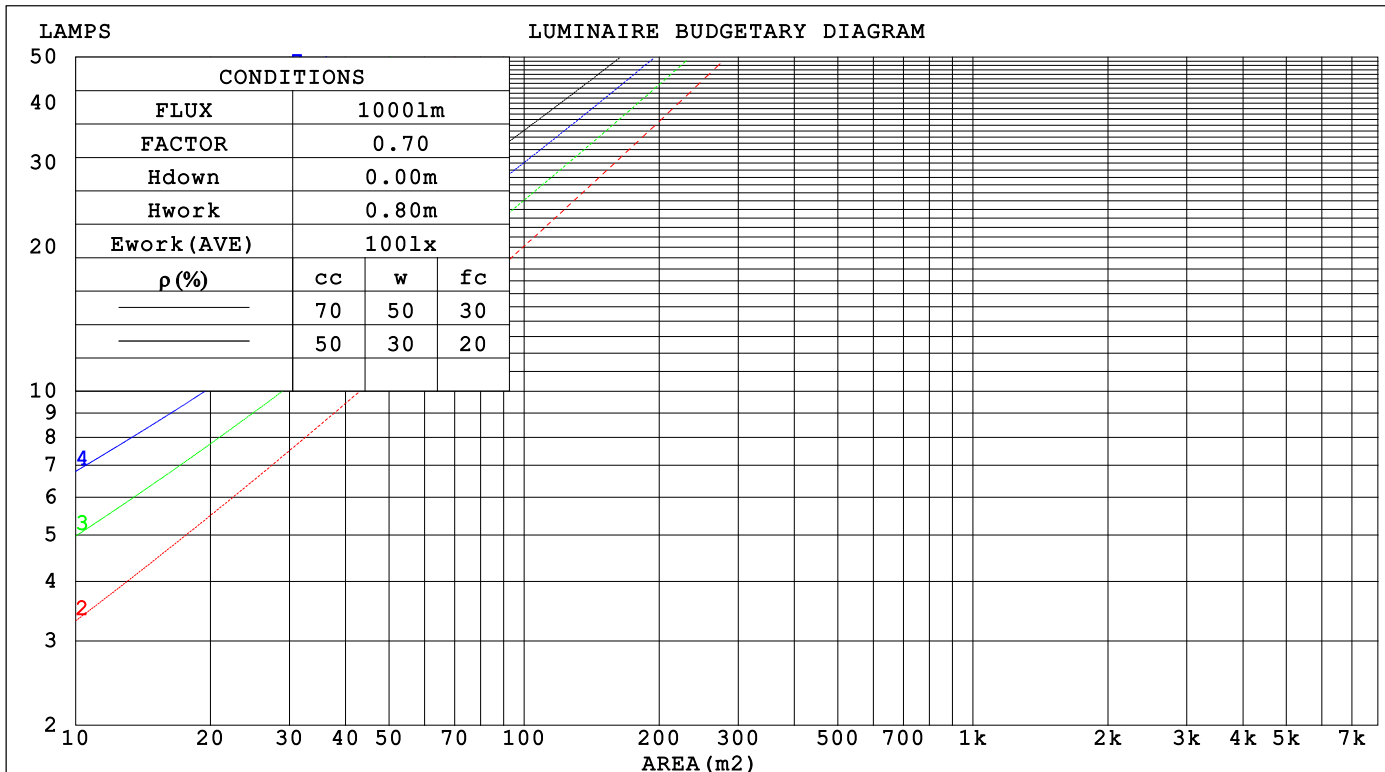
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

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:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	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	.83	.83	.83	.69	.69	.69	.56	.56	.56	.50														
1.0	.78	.70	.63	.71	.64	.57	.57	.52	.46	.45	.40	.36	.33	.30	.26	.20														
2.0	.64	.54	.45	.57	.48	.41	.46	.38	.32	.35	.29	.24	.24	.20	.16	.11														
3.0	.54	.43	.34	.48	.39	.31	.38	.30	.24	.28	.22	.17	.20	.15	.11	.06														
4.0	.46	.36	.27	.42	.32	.24	.33	.25	.19	.24	.18	.13	.17	.12	.08	.03														
5.0	.41	.30	.22	.37	.27	.20	.29	.21	.15	.21	.15	.10	.14	.10	.06	.02														
6.0	.36	.26	.19	.32	.23	.17	.26	.18	.13	.19	.13	.09	.13	.08	.05	.01														
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	.14	.09	.05	.10	.06	.03	.00														
10.0	.24	.16	.11	.22	.14	.09	.18	.11	.07	.13	.08	.05	.09	.05	.02	.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:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	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	.571	.324	.103	.548	.312	.099	.505	.290	.092	.466	.269	.086	.429	.249	.080		
2.0	.432	.237	.073	.411	.226	.070	.372	.207	.064	.336	.188	.059	.302	.171	.054		
3.0	.356	.189	.057	.337	.180	.054	.301	.163	.050	.268	.147	.045	.237	.131	.041		
4.0	.305	.159	.047	.288	.151	.045	.255	.135	.040	.225	.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	.171	.089	.026	.147	.078	.023		
7.0	.217	.107	.030	.203	.101	.029	.178	.090	.026	.154	.079	.023	.131	.068	.020		
8.0	.198	.097	.027	.186	.091	.026	.162	.081	.023	.140	.071	.020	.119	.061	.018		
9.0	.183	.088	.025	.171	.083	.023	.149	.074	.021	.128	.064	.018	.109	.055	.016		
10.0	.169	.081	.023	.159	.077	.021	.138	.068	.019	.118	.059	.017	.100	.050	.014		

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	.571	.571	.571	.488	.488	.488	.333	.333	.333	.191	.191	.191	.061	.061	.061		
1.0	.582	.537	.497	.498	.461	.428	.340	.317	.296	.196	.183	.172	.063	.059	.056		
2.0	.577	.517	.467	.494	.445	.404	.338	.308	.281	.195	.179	.165	.063	.058	.054		
3.0	.569	.503	.450	.488	.434	.390	.335	.301	.274	.193	.176	.161	.062	.057	.053		
4.0	.560	.492	.439	.481	.425	.382	.331	.296	.269	.191	.173	.159	.062	.056	.052		
5.0	.551	.483	.432	.474	.418	.376	.326	.292	.266	.189	.171	.158	.061	.056	.052		
6.0	.543	.476	.427	.467	.412	.372	.322	.288	.263	.187	.170	.157	.060	.055	.052		
7.0	.535	.470	.424	.460	.407	.369	.318	.285	.262	.185	.168	.156	.060	.055	.052		
8.0	.528	.464	.421	.454	.403	.367	.314	.283	.260	.183	.167	.155	.059	.055	.051		
9.0	.521	.460	.419	.449	.399	.365	.311	.281	.259	.181	.166	.155	.059	.054	.051		
10.0	.515	.456	.417	.444	.396	.364	.308	.279	.258	.180	.165	.154	.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:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm											
NAME: 1013 圆桶壁灯 12W COB FULL 085B-L						TYPE:		WEIGHT:			
SPEC.: 4000K						DIM.:		SERIAL No.:			
MFR.:						SUR.: 0.00477m²		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		25.0	26.2	25.9	27.1	28.3	-7.7	-6.5	-6.9	-5.6	-4.4
3H		31.8	32.9	32.7	33.9	35.1	-7.1	-6.0	-6.2	-5.0	-3.8
4H		36.7	37.7	37.6	38.7	39.9	-6.4	-5.3	-5.5	-4.4	-3.1
6H		41.6	42.7	42.6	43.6	44.9	-5.3	-4.3	-4.4	-3.3	-2.1
8H		44.0	45.0	44.9	46.0	47.3	-4.7	-3.7	-3.7	-2.7	-1.4
12H		46.4	47.3	47.3	48.3	49.6	-3.8	-2.9	-2.9	-1.9	-0.6
4H 2H		24.7	25.8	25.6	26.8	28.0	14.3	15.3	15.2	16.3	17.6
3H		31.8	32.7	32.7	33.7	35.0	13.9	14.9	14.9	15.9	17.2
4H		36.6	37.5	37.6	38.5	39.8	13.7	14.6	14.7	15.6	16.9
6H		41.9	42.7	42.8	43.7	45.0	13.6	14.4	14.5	15.4	16.7
8H		44.5	45.2	45.4	46.2	47.6	13.5	14.2	14.4	15.2	16.6
12H		47.1	47.8	48.1	48.9	50.2	13.4	14.1	14.3	15.1	16.5
8H 4H		36.4	37.2	37.4	38.2	39.5	22.0	22.8	23.0	23.8	25.2
6H		41.7	42.4	42.7	43.4	44.8	21.9	22.5	22.8	23.6	24.9
8H		44.4	45.0	45.4	46.1	47.4	21.8	22.4	22.8	23.4	24.8
12H		47.4	47.9	48.4	49.0	50.3	21.7	22.2	22.7	23.3	24.7
12H 4H		36.3	37.0	37.3	38.0	39.4	25.6	26.3	26.5	27.3	28.7
6H		41.6	42.2	42.6	43.3	44.6	25.6	26.2	26.6	27.2	28.6
8H		44.3	44.9	45.3	45.9	47.3	25.5	26.1	26.5	27.1	28.5
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, 1310 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.9)  
Area: 0.00477 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:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:

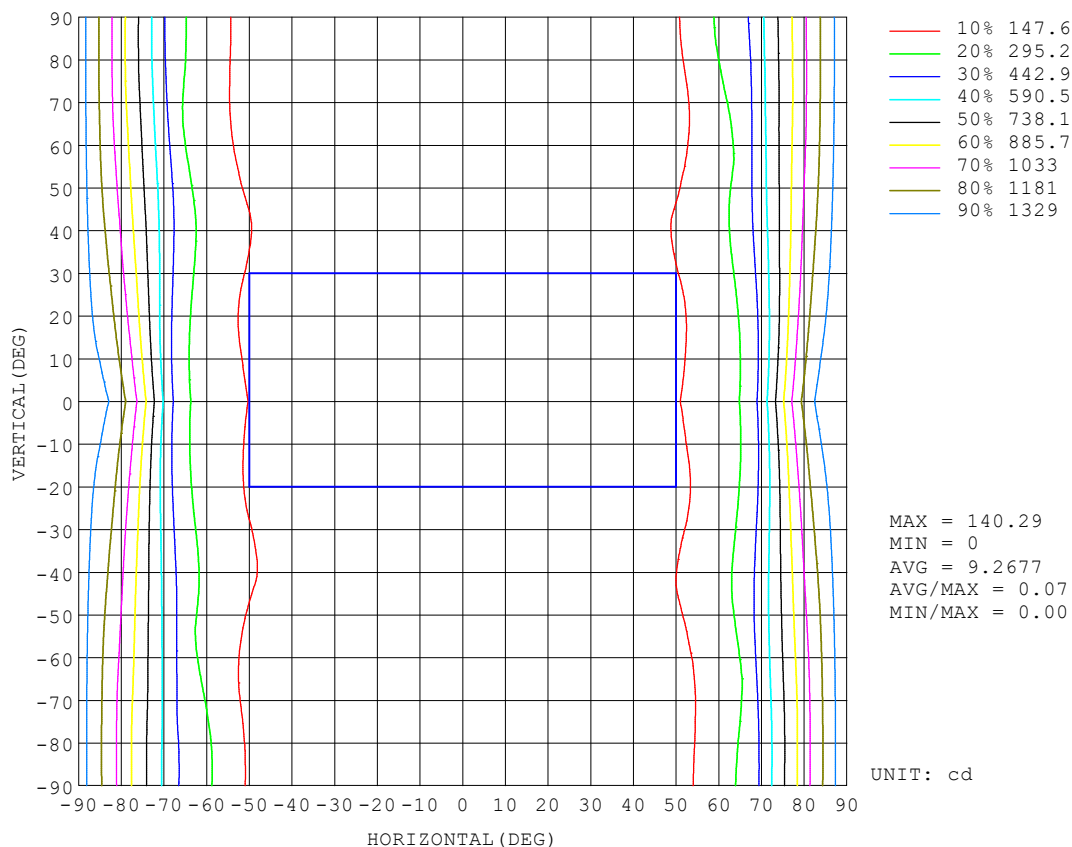
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	30	16	8	28	15	8	26	14	7	0
0.80	37	21	11	35	20	11	31	18	10	1
1.00	43	26	15	40	24	14	35	24	12	2
1.25	49	31	20	45	29	18	39	25	16	3
1.50	54	36	24	50	34	22	42	29	19	5
2.00	61	44	32	57	41	30	48	35	25	8
2.50	67	51	38	62	47	36	52	40	30	11
3.00	71	56	44	65	52	41	55	44	34	13
4.00	77	64	53	71	59	49	59	49	41	17
5.00	82	69	59	75	64	54	62	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°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:

## ISOCANDELA DIAGRAM

Test:U:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圆桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:



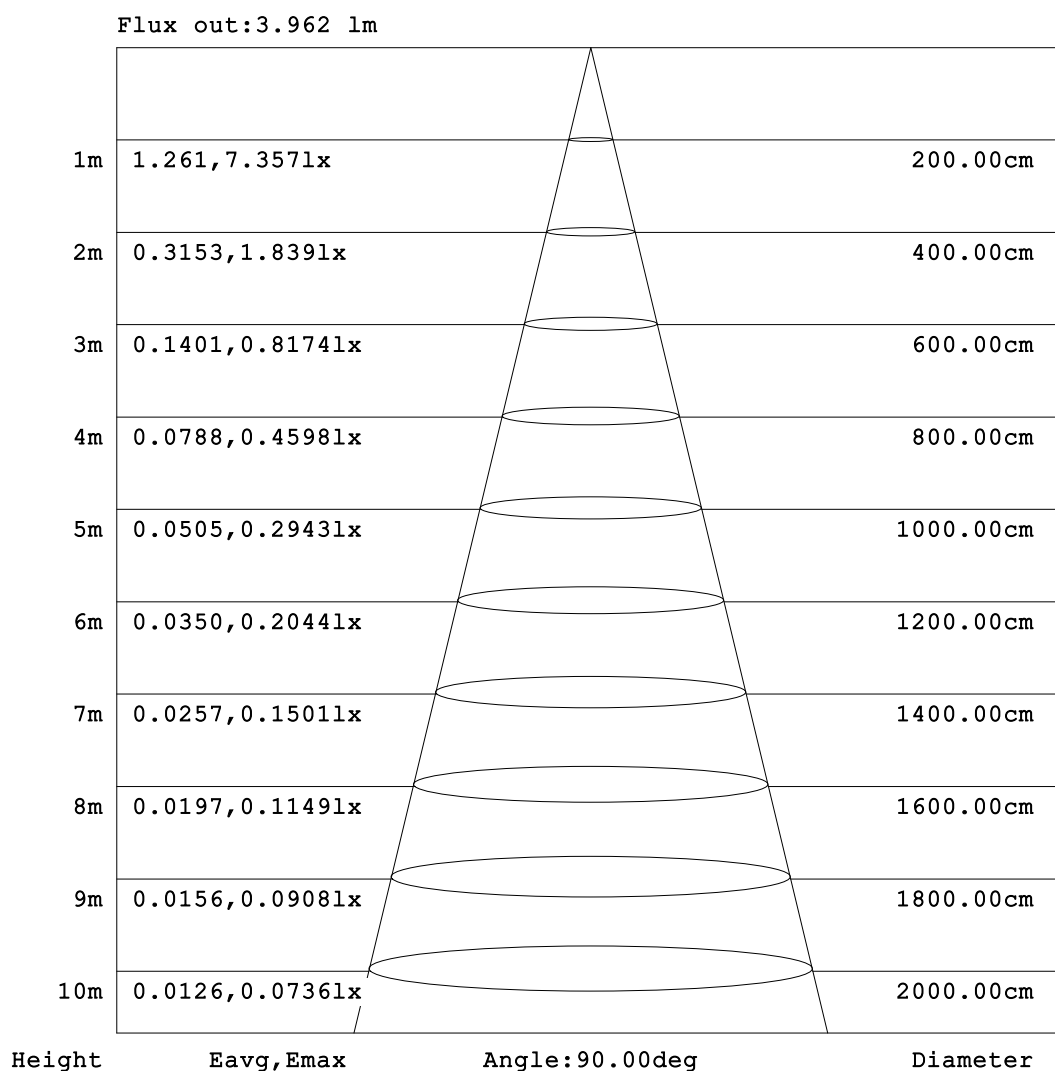
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 2023-12-07

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 Figure

Test:U:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:



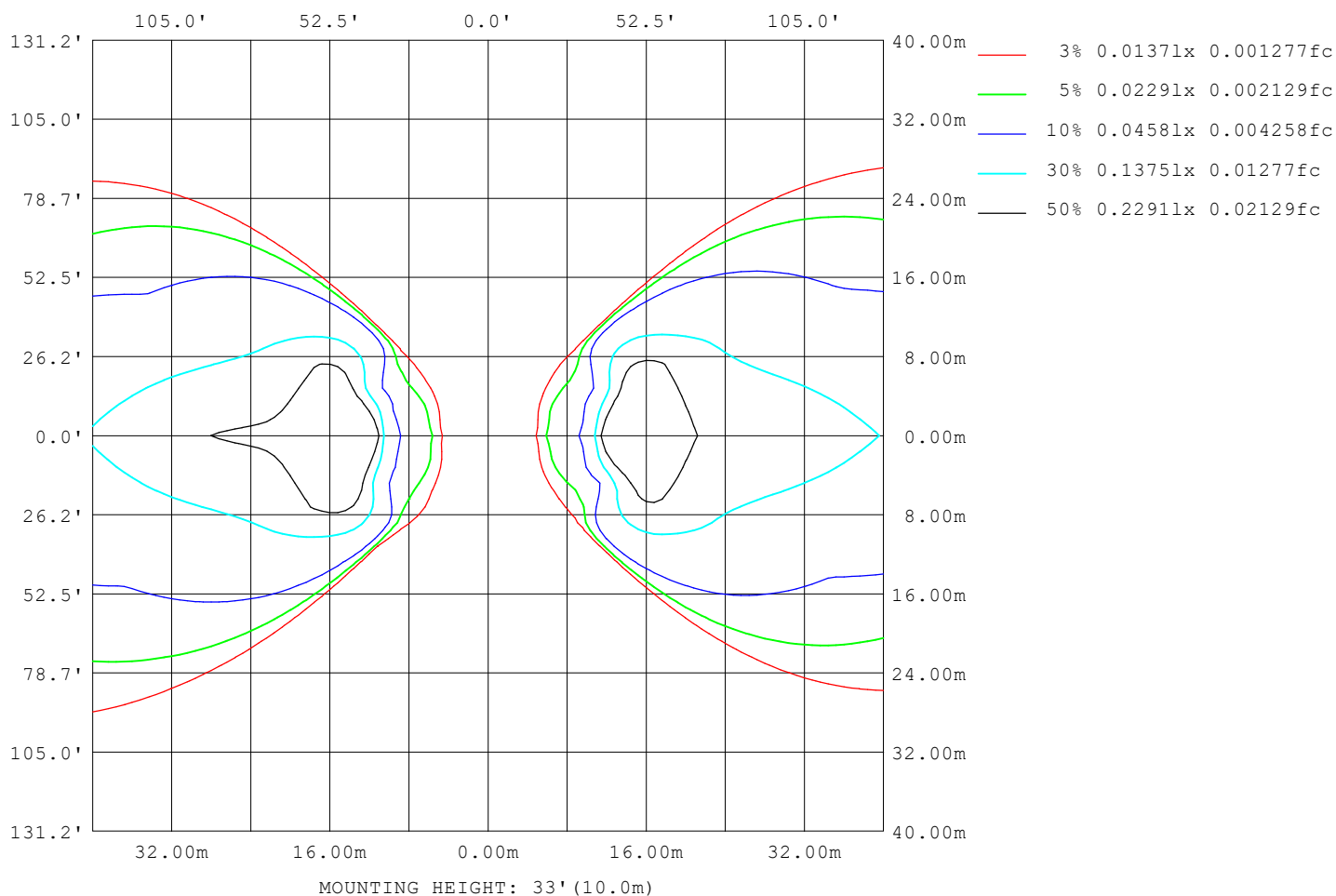
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3°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:

## ISOLUX DIAGRAM

Test:U:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m <sup>2</sup>	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:

## LED Avg.L Report

Test:U:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	Shielding Angle:

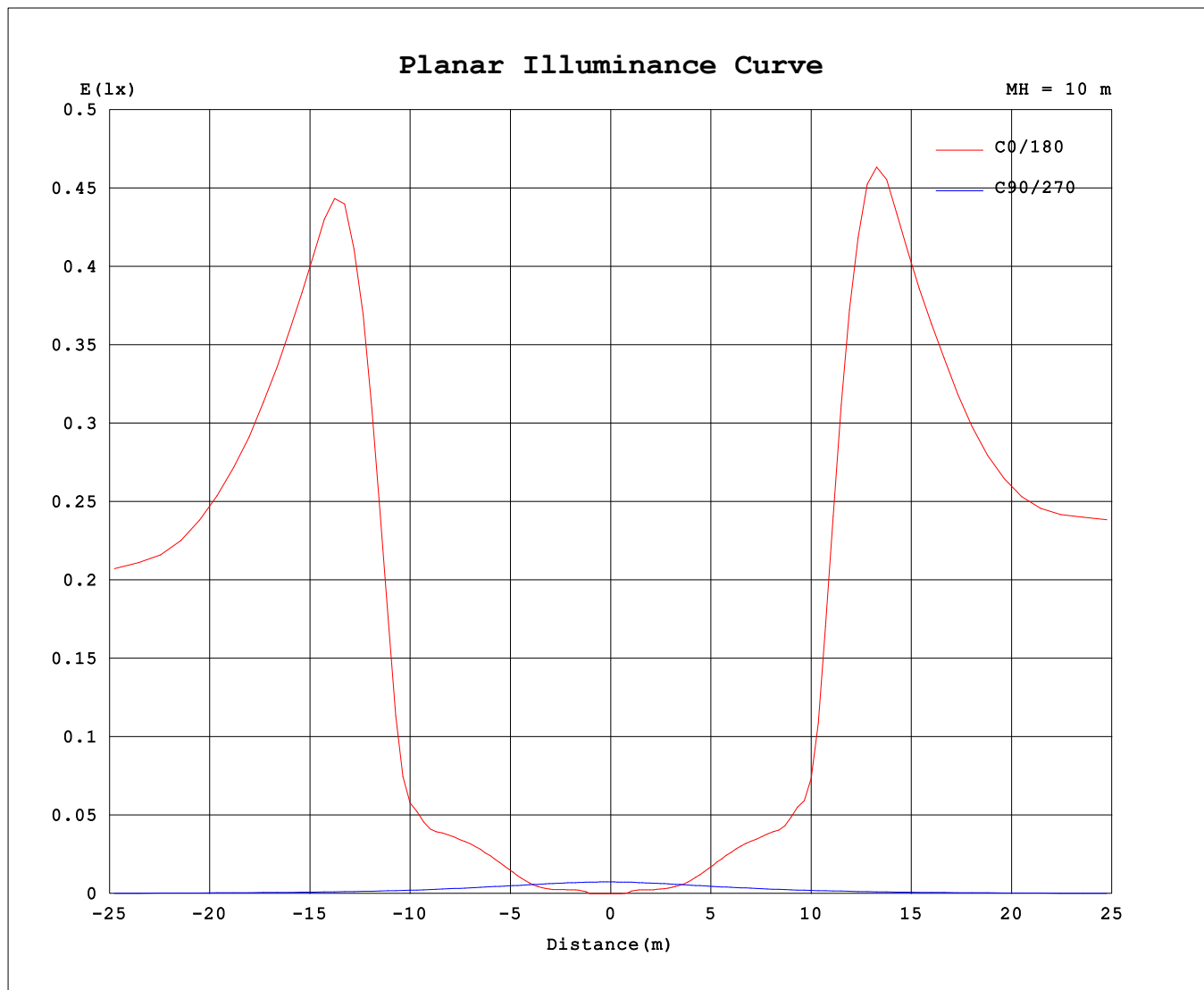
AvgL	cd/m2
L_0~180 (65) av	154768
L_0~180 (75) av	734762
L_0~180 (85) av	3319416
L_90~270 (65) av	76
L_90~270 (75) av	122
L_90~270 (85) av	356
L_45 (65) av	19590
L_45 (75) av	45309
L_45 (85) av	225594

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:119.81V I:0.1073A P:12.689W PF:0.9869 Freq:59.98Hz Lamp Flux:1309.97x1 lm		
NAME: 1013 圓桶壁灯 12W COB FULL 085B-L	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00477m²	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	0.21	0.21	0.21	0.21	0.21	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.00			
5	0.00	0.02	0.16	0.21	0.21	0.22	0.39	0.06	0.07	0.02	0.69	0.22	0.20	0.20	0.29	0.00			
10	0.25	0.25	1.12	0.22	0.21	0.26	1.02	0.23	0.26	0.22	1.72	0.27	0.20	0.20	0.88	0.28			
15	0.30	0.29	1.80	0.23	0.20	0.33	1.19	0.34	0.36	0.29	2.20	0.31	0.20	0.22	1.17	0.27			
20	0.56	0.45	1.83	0.30	0.20	0.36	1.52	0.63	0.74	0.54	2.59	0.39	0.19	0.25	1.18	0.43			
25	1.56	1.01	2.20	0.34	0.20	0.37	2.25	1.50	1.89	1.29	3.53	0.43	0.18	0.28	1.57	1.11			
30	3.39	2.27	3.53	0.33	0.20	0.39	3.87	3.03	3.78	2.66	5.37	0.44	0.18	0.28	2.50	2.48			
35	5.80	4.12	6.73	0.32	0.19	0.42	6.52	5.02	6.10	4.51	8.91	0.45	0.18	0.28	4.72	4.42			
40	8.61	6.25	11.59	0.32	0.18	0.47	10.18	7.28	9.02	6.60	13.90	0.48	0.17	0.28	7.95	6.59			
45	16.4	8.77	17.85	0.34	0.17	0.52	14.25	11.1	20.8	9.18	19.92	0.54	0.16	0.30	12.06	9.37			
50	117	14.9	25.16	0.36	0.17	0.57	18.69	29.1	140	17.9	27.37	0.56	0.16	0.33	16.38	17.9			
55	228	77.6	32.47	0.37	0.17	0.61	23.17	136	230	98.3	34.66	0.59	0.15	0.36	20.71	107			
60	251	187	38.39	0.40	0.16	0.68	27.77	225	255	200	41.01	0.62	0.15	0.40	25.40	214			
65	298	232	44.90	0.44	0.16	0.77	35.6	244	326	232	47.84	0.67	0.15	0.47	29.66	242			
70	502	250	50.82	0.48	0.16	0.83	44.6	265	579	247	53.68	0.71	0.15	0.55	37.1	262			
75	869	266	58.7	0.52	0.16	0.90	52.1	305	945	265	64.2	0.75	0.14	0.63	48.8	289			
80	1217	294	72.4	0.56	0.15	0.93	75.7	381	1227	291	75.1	0.77	0.14	0.69	70.6	343			
85	1394	328	77.2	0.56	0.15	0.94	104	447	1366	323	82.6	0.79	0.14	0.73	111	417			
90	1459	348	79.0	0.56	0.15	0.94	111	461	1410	334	84.8	0.79	0.14	0.75	132	454			
95	1453	336	77.8	0.56	0.14	0.90	92.8	415	1381	314	81.9	0.78	0.13	0.75	122	431			
100	1288	303	73.1	0.53	0.14	0.84	60.8	335	1178	280	72.4	0.75	0.13	0.73	88.5	363			
105	949	273	63.2	0.49	0.13	0.77	45.8	277	822	256	58.7	0.71	0.12	0.68	52.7	298			
110	569	252	53.20	0.45	0.13	0.70	32.7	249	468	240	49.92	0.66	0.12	0.61	41.3	266			
115	323	236	48.11	0.39	0.13	0.62	26.81	232	285	224	43.75	0.60	0.11	0.52	30.18	247			
120	255	211	42.15	0.35	0.12	0.55	22.90	203	243	179	37.33	0.55	0.11	0.45	26.66	225			
125	230	117	35.25	0.31	0.12	0.48	18.78	99.6	219	70.3	31.19	0.51	0.10	0.37	22.42	149			
130	157	20.1	27.87	0.29	0.11	0.44	14.71	15.5	109	13.8	24.12	0.47	0.10	0.32	17.97	34.5			
135	23.7	9.48	20.28	0.26	0.11	0.39	10.78	8.19	15.4	8.27	17.20	0.43	0.10	0.27	13.47	10.2			
140	8.87	6.88	13.13	0.25	0.11	0.35	7.21	5.86	8.04	5.84	11.17	0.39	0.10	0.23	9.30	7.31			
145	6.14	4.66	7.71	0.25	0.10	0.31	4.45	3.92	5.34	3.81	6.78	0.36	0.10	0.20	5.28	5.02			
150	3.77	2.63	4.29	0.25	0.10	0.28	2.65	2.19	3.11	2.13	4.24	0.34	0.10	0.20	2.48	2.94			
155	1.83	1.21	2.48	0.25	0.10	0.27	1.80	1.03	1.45	1.01	2.82	0.31	0.10	0.21	1.25	1.38			
160	0.71	0.46	1.86	0.22	0.10	0.21	1.29	0.48	0.60	0.51	1.95	0.23	0.10	0.22	0.96	0.51			
165	0.35	0.27	1.66	0.18	0.09	0.13	1.11	0.28	0.30	0.30	1.65	0.18	0.09	0.19	0.89	0.26			
170	0.24	0.26	1.56	0.12	0.09	0.10	0.61	0.19	0.21	0.22	0.73	0.13	0.09	0.12	0.84	0.24			
175	0.07	0.00	0.41	0.10	0.09	0.10	0.14	0.00	0.00	0.01	0.02	0.12	0.09	0.10	0.14	0.05			
180	0.00	0.00	0.05	0.10	0.09	0.10	0.04	0.00	0.00	0.00	0.00	0.11	0.09	0.09	0.04	0.00			

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