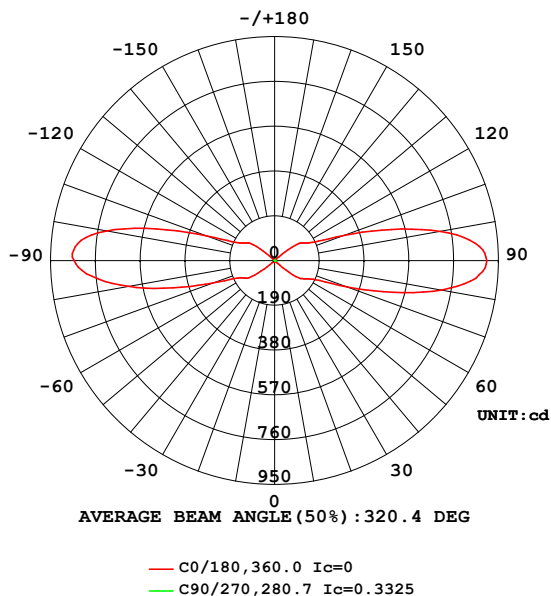


LUMINAIRE PHOTOMETRIC TEST REPORT

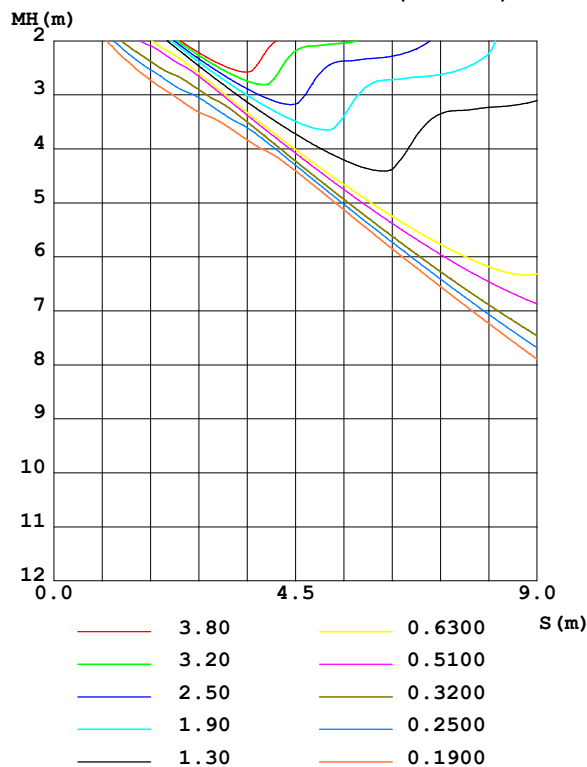
Test:U:119.81V I:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁燈 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m ²	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 96.84 lm/W			
MODEL		I _{max} (cd)	900.4	S/MH(C0/180)	0.00
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)		TOTAL FLUX(lm)	756.30	η UP,DN(C0-180)	25.2,25.2
NOMINAL FLUX(lm)	756.296	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	25.5,24.1
LAMPS INSIDE	1	η up (%)	50.6	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)		η down (%)	49.4	CIBSE SHR MAX	0.50

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:

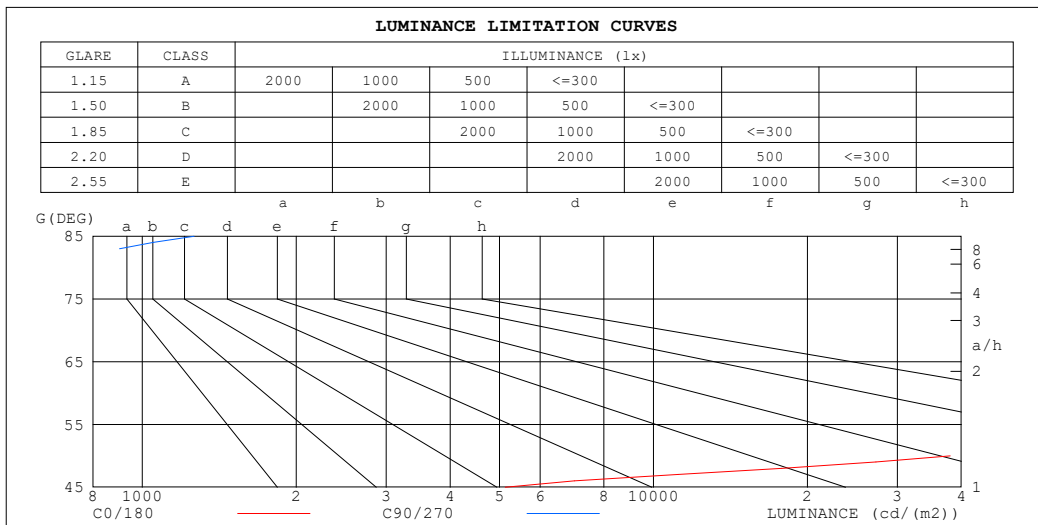
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	
10	0.0638	0.0320	0.3325	0.1199	0.1967	0.1525	0.3245	0.0643	0- 10	0.0111	0.0111	0.0111
20	0.4158	0.1442	0.3325	0.3883	0.7260	0.4130	0.2844	0.1845	10- 20	0.0734	0.0844	0.0844
30	1.645	0.4163	0.3325	0.8846	2.054	0.8579	0.2725	0.4853	20- 30	0.2814	0.3658	0.3658
40	4.827	1.041	0.3165	1.697	5.492	1.616	0.2644	1.167	30- 40	0.8740	1.240	1.240
50	62.41	1.950	0.3005	2.946	40.99	2.673	0.2564	2.285	40- 50	3.194	4.434	4.434
60	155.1	3.204	0.2924	4.541	148.9	4.000	0.2524	3.908	50- 60	24.45	28.88	28.88
70	326.7	5.399	0.2804	6.688	281.6	7.333	0.2524	6.740	60- 70	60.27	89.16	89.16
80	720.2	7.607	0.2804	8.996	631.6	9.196	0.2444	8.354	70- 80	112.2	201.4	201.4
90	900.4	8.357	0.2804	9.751	850.1	10.15	0.2244	10.60	80- 90	171.9	373.2	373.2
100	716.5	7.081	0.2564	9.235	726.8	9.421	0.2043	7.967	90-100	175.7	548.9	548.9
110	317.0	4.846	0.2365	6.994	307.5	7.468	0.1923	5.610	100-110	115.9	664.8	664.8
120	150.9	3.006	0.2163	4.321	149.8	3.964	0.1643	3.596	110-120	60.66	725.5	725.5
130	56.37	1.848	0.2123	2.862	65.22	2.611	0.1603	2.149	120-130	26.24	751.7	751.7
140	4.380	0.9863	0.2043	1.704	5.795	1.610	0.1603	1.101	130-140	3.370	755.1	755.1
150	1.524	0.4210	0.1963	0.9581	2.162	0.8966	0.1603	0.4482	140-150	0.8384	756.0	756.0
160	0.3973	0.1564	0.1683	0.4571	0.7842	0.4044	0.1482	0.1401	150-160	0.2707	756.2	756.2
170	0.0843	0.0562	0.1562	0.1725	0.1918	0.1320	0.1482	0.0199	160-170	0.0642	756.3	756.3
180	0	0	0.1522	0	0	0	0.1482	0	170-180	0.0071	756.3	756.3
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

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:

LUMINANCE LIMITATION CURVES

Test:U:119.81V I:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圆桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m ²	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3857831	1262
80	1626407	633
75	790532	425
70	374615	322
65	179921	260
60	121608	229
55	90907	203
50	38076	183
45	5126	171

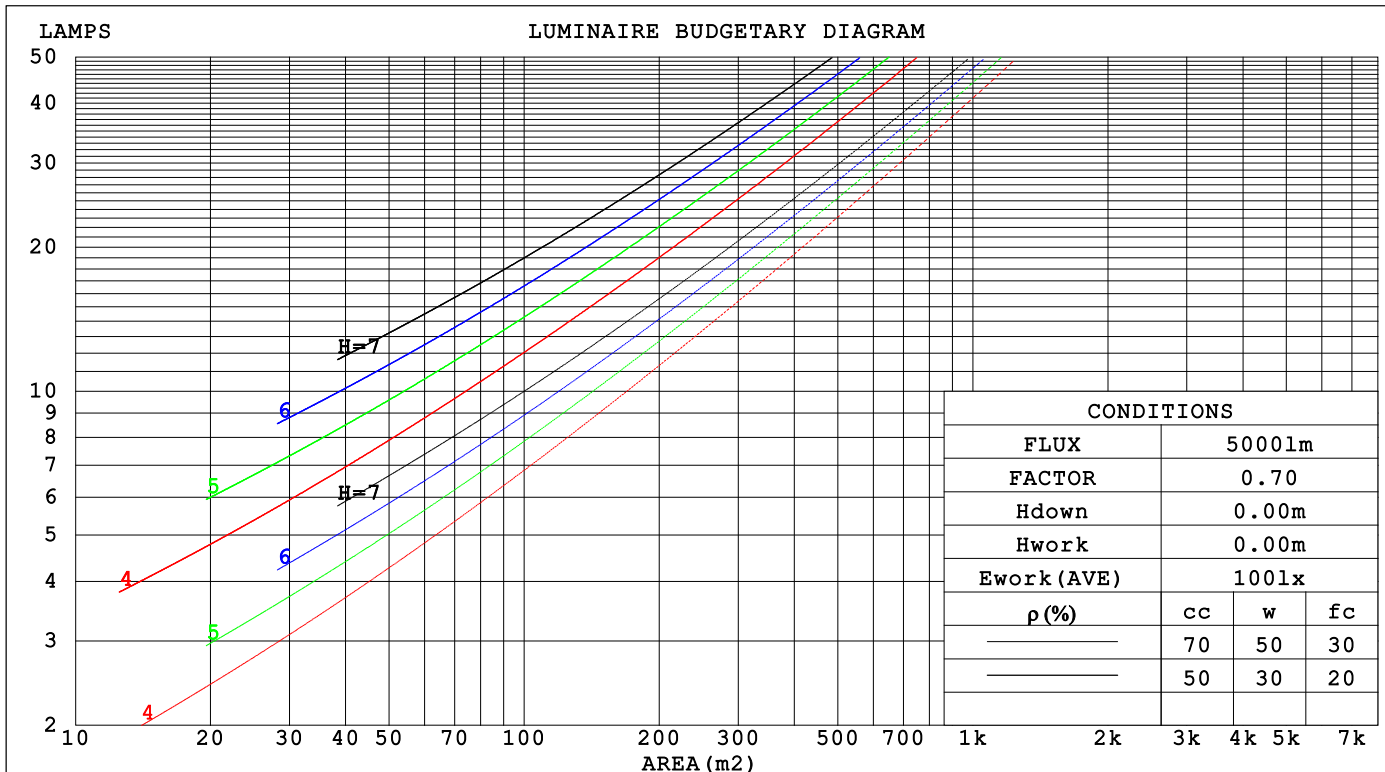
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators:
Test Date: 2023-12-07

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.81V I:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁燈 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m ²	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	.49														
1.0	.78	.70	.63	.71	.64	.57	.57	.51	.46	.44	.40	.35	.32	.29	.26	.20														
2.0	.64	.53	.45	.57	.48	.40	.45	.38	.32	.34	.28	.23	.24	.19	.16	.10														
3.0	.54	.43	.34	.48	.39	.31	.38	.30	.24	.28	.22	.17	.19	.14	.10	.06														
4.0	.46	.36	.27	.42	.32	.24	.33	.25	.19	.24	.18	.13	.16	.11	.07	.03														
5.0	.41	.30	.22	.37	.27	.20	.29	.21	.15	.21	.15	.10	.14	.09	.06	.02														
6.0	.36	.26	.19	.32	.23	.17	.25	.18	.13	.19	.13	.09	.13	.08	.05	.01														
7.0	.32	.23	.16	.29	.20	.14	.23	.16	.11	.17	.11	.07	.12	.07	.04	.01														
8.0	.29	.20	.14	.26	.18	.12	.21	.14	.09	.16	.10	.06	.11	.06	.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:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m²	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	.325	.103	.548	.313	.099	.505	.290	.092	.465	.268	.086	.429	.248	.080		
2.0	.431	.236	.073	.410	.226	.070	.371	.206	.064	.334	.188	.059	.300	.170	.054		
3.0	.355	.189	.057	.336	.180	.054	.300	.162	.049	.266	.146	.045	.235	.130	.040		
4.0	.304	.158	.047	.287	.150	.044	.254	.135	.040	.223	.120	.036	.194	.106	.032		
5.0	.267	.136	.039	.251	.129	.038	.221	.115	.034	.193	.102	.030	.166	.089	.027		
6.0	.239	.120	.034	.224	.113	.033	.196	.101	.029	.170	.088	.026	.146	.077	.023		
7.0	.216	.107	.030	.203	.101	.029	.177	.089	.026	.153	.078	.023	.130	.067	.020		
8.0	.198	.097	.027	.185	.091	.026	.161	.080	.023	.139	.070	.020	.117	.060	.018		
9.0	.182	.088	.025	.170	.083	.023	.148	.073	.021	.127	.064	.018	.107	.054	.016		
10.0	.169	.081	.022	.158	.076	.021	.137	.067	.019	.117	.058	.017	.099	.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	.576	.576	.576	.493	.493	.493	.336	.336	.336	.193	.193	.193	.062	.062	.062		
1.0	.587	.543	.503	.503	.466	.433	.344	.321	.299	.198	.186	.174	.063	.060	.056		
2.0	.583	.523	.473	.499	.450	.409	.342	.311	.285	.197	.181	.167	.063	.059	.054		
3.0	.575	.509	.456	.493	.439	.395	.338	.305	.277	.195	.178	.163	.063	.058	.054		
4.0	.566	.498	.446	.486	.430	.387	.334	.300	.273	.193	.176	.161	.062	.057	.053		
5.0	.557	.489	.439	.479	.423	.382	.330	.296	.269	.191	.174	.160	.062	.057	.053		
6.0	.549	.482	.434	.472	.417	.378	.326	.292	.267	.189	.172	.159	.061	.056	.052		
7.0	.541	.476	.430	.465	.412	.375	.322	.289	.265	.187	.170	.158	.060	.056	.052		
8.0	.534	.471	.427	.460	.408	.372	.318	.287	.264	.185	.169	.157	.060	.055	.052		
9.0	.527	.466	.425	.454	.404	.371	.315	.284	.263	.183	.168	.157	.059	.055	.052		
10.0	.521	.462	.423	.449	.401	.369	.311	.282	.262	.182	.167	.156	.059	.055	.052		

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:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm											
NAME: 1013 圓桶壁灯 8W 普瑞 COB FULL 062A-L						TYPE:		WEIGHT:			
SPEC.: 3500K						DIM.:		SERIAL No.:			
MFR.:						SUR.: 0.00255m²		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		27.4	28.6	28.2	29.5	30.7	-6.5	-5.3	-5.7	-4.4	-3.2
3H		34.6	35.7	35.5	36.6	37.9	-5.6	-4.5	-4.7	-3.6	-2.3
4H		39.2	40.3	40.1	41.2	42.5	-4.8	-3.7	-3.9	-2.8	-1.5
6H		44.0	45.0	45.0	46.0	47.3	-3.7	-2.7	-2.8	-1.7	-0.5
8H		46.4	47.4	47.3	48.4	49.7	-3.1	-2.1	-2.1	-1.1	0.2
12H		48.8	49.8	49.8	50.8	52.1	-2.3	-1.3	-1.3	-0.3	1.0
4H 2H		27.1	28.1	28.0	29.1	30.4	16.5	17.5	17.4	18.5	19.8
3H		34.5	35.4	35.4	36.4	37.7	16.1	17.1	17.1	18.1	19.4
4H		39.2	40.1	40.1	41.1	42.4	15.9	16.8	16.9	17.8	19.1
6H		44.3	45.1	45.2	46.1	47.4	15.7	16.6	16.7	17.6	18.9
8H		46.9	47.6	47.8	48.6	50.0	15.7	16.4	16.6	17.4	18.8
12H		49.6	50.3	50.6	51.3	52.7	15.6	16.3	16.5	17.3	18.7
8H 4H		38.9	39.7	39.9	40.7	42.1	24.6	25.4	25.6	26.4	27.7
6H		44.1	44.8	45.1	45.8	47.2	24.4	25.1	25.4	26.1	27.5
8H		46.8	47.4	47.8	48.5	49.9	24.3	25.0	25.3	26.0	27.4
12H		49.9	50.4	50.9	51.5	52.9	24.2	24.8	25.3	25.9	27.2
12H 4H		38.8	39.6	39.8	40.6	42.0	28.2	28.9	29.2	29.9	31.3
6H		44.0	44.6	45.0	45.7	47.1	28.2	28.8	29.2	29.9	31.2
8H		46.8	47.3	47.8	48.4	49.8	28.1	28.7	29.1	29.7	31.1
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					+ 0.8 / - 0.3				
2.0H		+ 0.8 / - 0.8					+ 1.8 / - 1.2				

CIE Pub.117, 756.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)
Area: 0.00255 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:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m²	Shielding Angle:

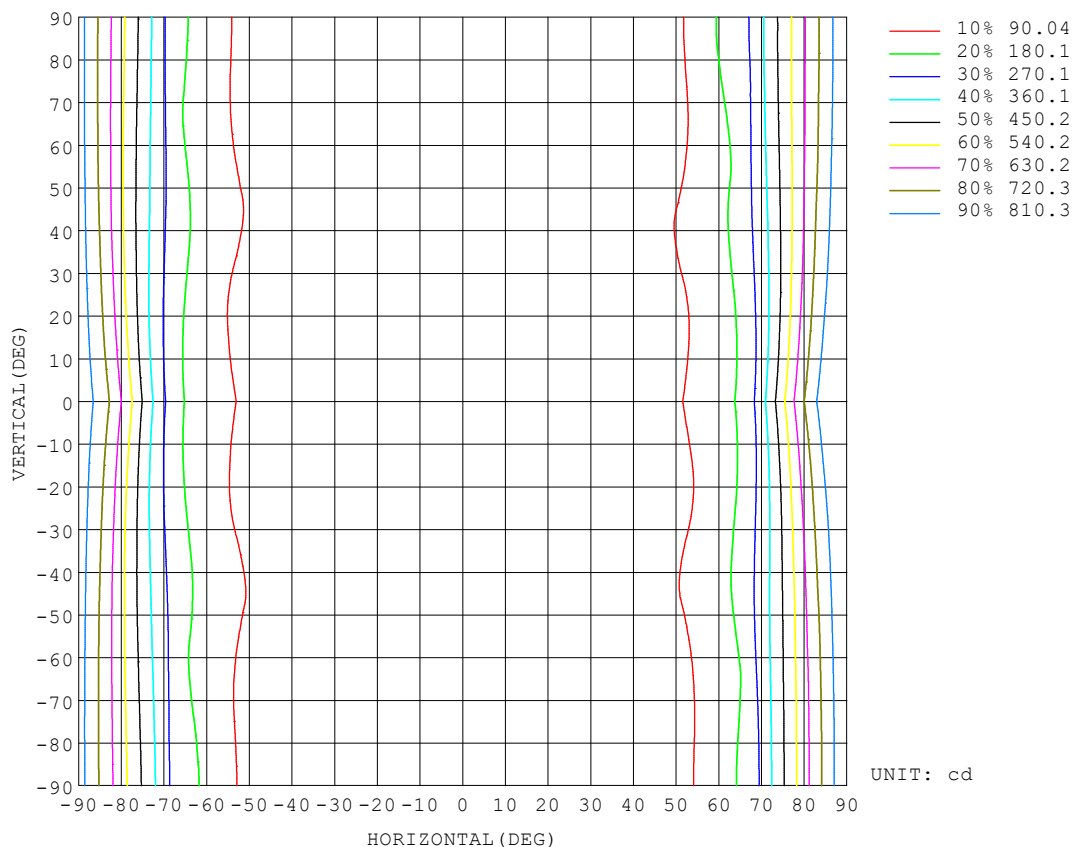
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	30	16	8	28	15	8	26	14	7	1
0.80	37	21	11	34	20	11	31	18	10	1
1.00	42	26	15	40	24	14	34	24	12	1
1.25	48	31	19	45	29	18	39	25	16	3
1.50	53	36	24	49	33	22	42	29	19	4
2.00	61	44	32	56	41	29	47	35	25	7
2.50	67	50	38	61	47	35	51	39	30	10
3.00	71	56	44	65	51	40	54	43	34	13
4.00	77	63	52	71	58	48	59	49	40	17
5.00	81	69	59	74	64	54	62	53	45	20
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:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圆桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m²	Shielding Angle:

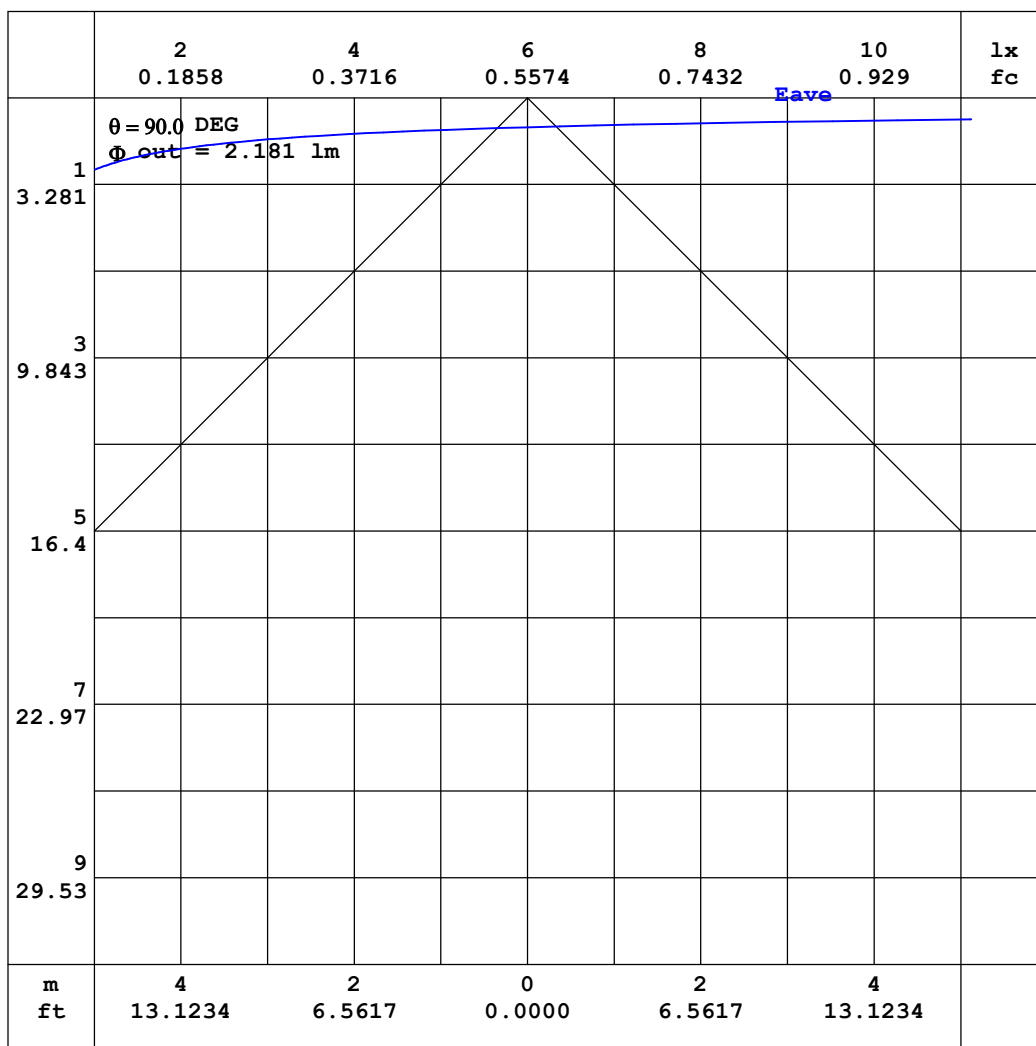


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 2023-12-07

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:119.81V I:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m²	Shielding Angle:



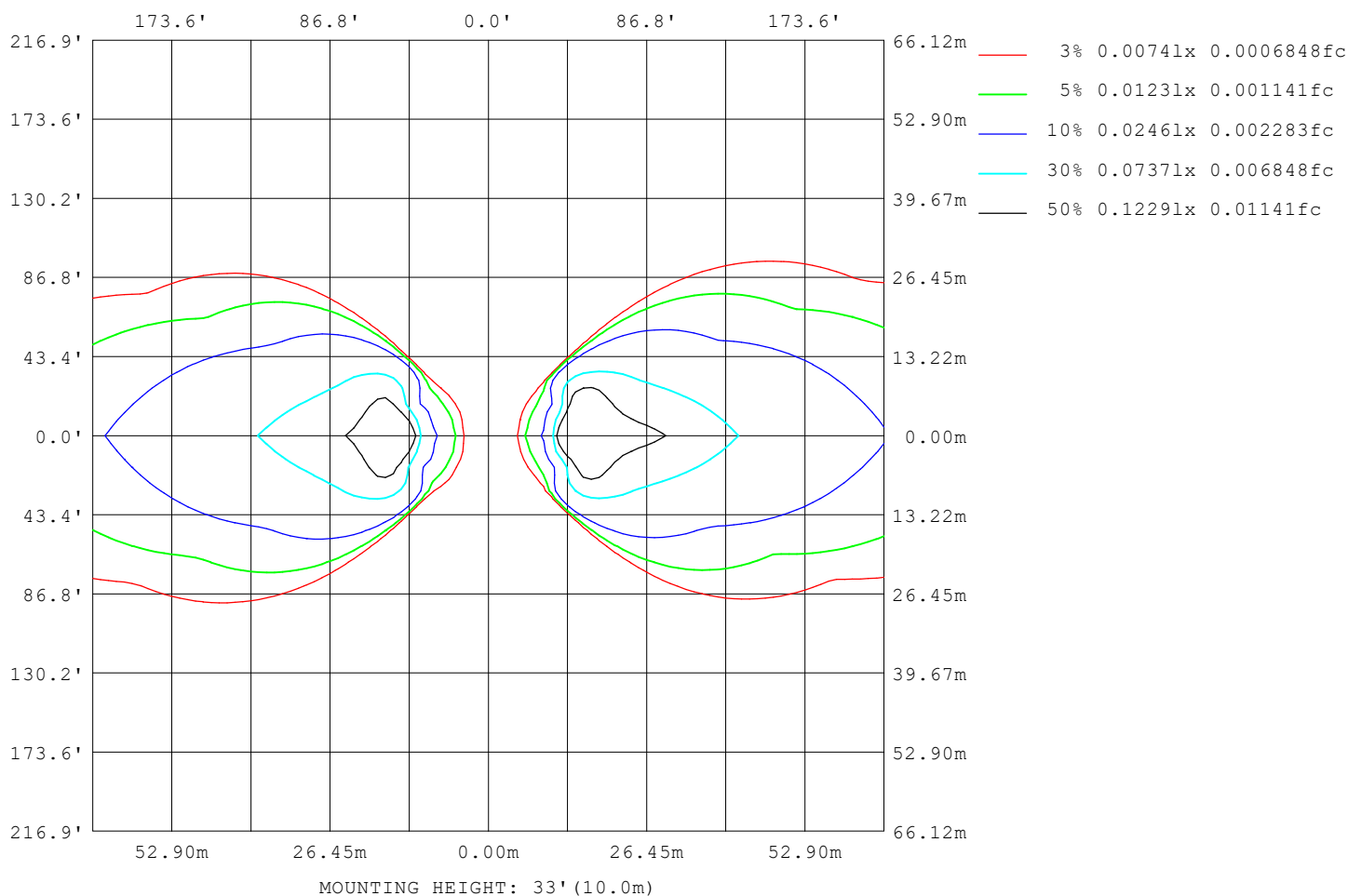
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m²	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:119.81V I:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圆桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m ²	Shielding Angle:

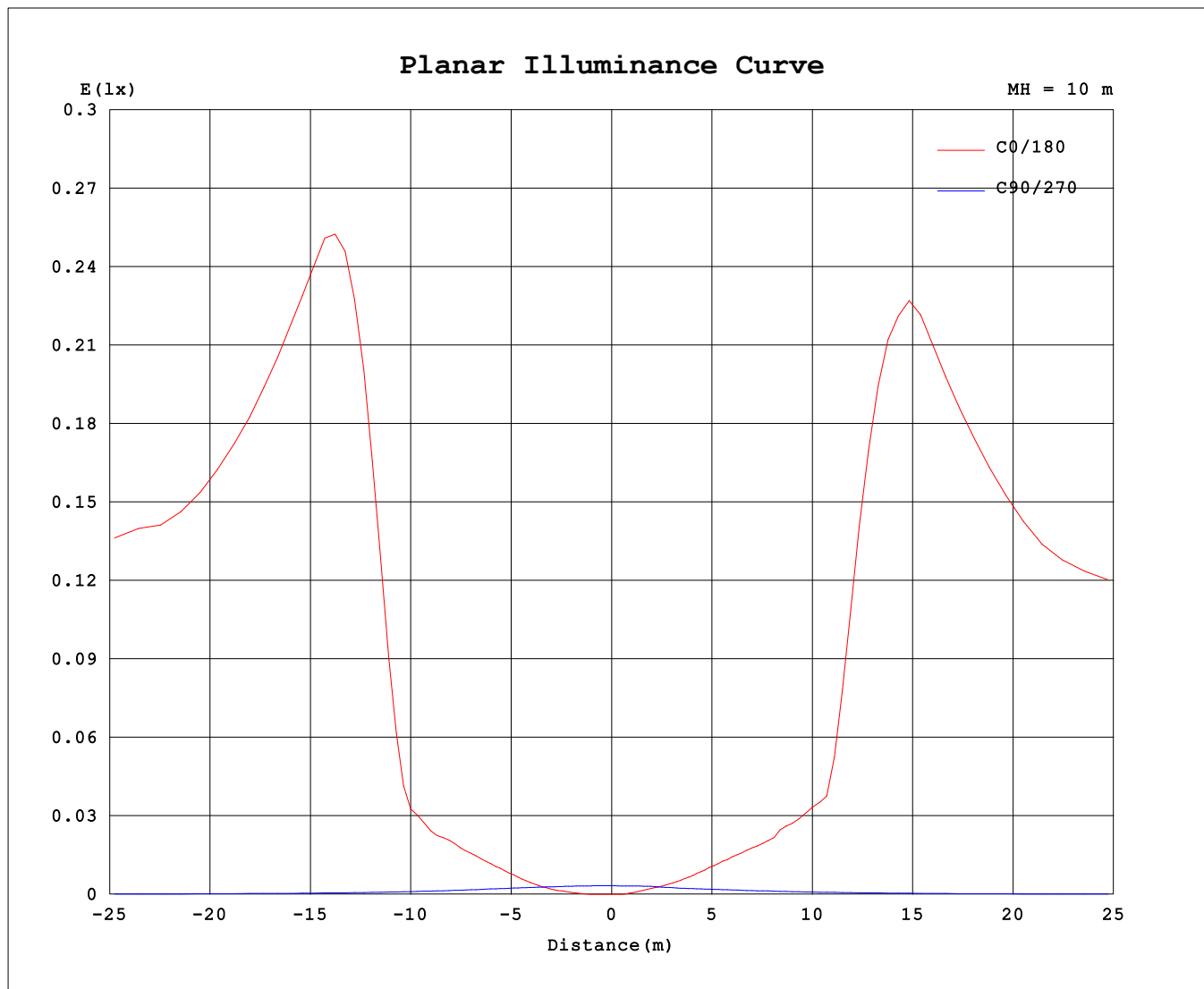
AvgL	cd/m2
L_0~180 (65) av	172271
L_0~180 (75) av	733899
L_0~180 (85) av	3677895
L_90~270 (65) av	247
L_90~270 (75) av	404
L_90~270 (85) av	1163
L_45 (65) av	4568
L_45 (75) av	11646
L_45 (85) av	41846

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:0.0659A P:7.8100W PF:0.9894 Freq:59.98Hz Lamp Flux:756.296x1 lm		
NAME: 1013 圓桶壁灯 8W 普瑞 COB FULL 062A-L	TYPE:	WEIGHT:
SPEC.: 3500K	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.00255m²	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	0.00	0.16	0.33	0.15	0.00	0.00	0.00	0.00	0.00	0.16	0.33	0.15	0.00	0.00			
5	0.00	0.02	0.00	0.18	0.33	0.18	0.00	0.04	0.04	0.00	0.04	0.16	0.33	0.15	0.02	0.00			
10	0.06	0.08	0.03	0.20	0.33	0.25	0.12	0.18	0.20	0.13	0.15	0.21	0.32	0.15	0.06	0.04			
15	0.17	0.17	0.08	0.22	0.33	0.31	0.24	0.36	0.40	0.31	0.27	0.28	0.30	0.17	0.11	0.14			
20	0.42	0.33	0.14	0.23	0.33	0.39	0.39	0.62	0.73	0.58	0.41	0.34	0.28	0.18	0.18	0.30			
25	0.89	0.67	0.26	0.24	0.33	0.46	0.59	1.08	1.25	1.01	0.60	0.40	0.28	0.19	0.30	0.65			
30	1.64	1.17	0.42	0.26	0.33	0.54	0.88	1.70	2.05	1.58	0.86	0.46	0.27	0.22	0.49	1.18			
35	2.85	1.94	0.69	0.29	0.32	0.61	1.24	2.61	3.23	2.47	1.20	0.54	0.27	0.27	0.79	2.01			
40	4.83	3.02	1.04	0.32	0.32	0.69	1.70	3.89	5.49	3.61	1.62	0.60	0.26	0.28	1.17	3.21			
45	9.24	4.76	1.45	0.34	0.31	0.78	2.25	6.53	9.44	5.92	2.11	0.67	0.26	0.32	1.66	5.15			
50	62.4	8.96	1.95	0.37	0.30	0.87	2.95	9.90	41.0	9.43	2.67	0.76	0.26	0.39	2.29	10.4			
55	133	38.3	2.56	0.41	0.30	0.96	3.74	34.9	117	27.5	3.32	0.83	0.25	0.44	2.95	56.5			
60	155	104	3.20	0.45	0.29	1.07	4.54	97.7	149	90.5	4.00	0.92	0.25	0.52	3.91	121			
65	194	138	4.03	0.49	0.28	1.15	5.84	140	177	135	5.04	0.99	0.25	0.56	4.78	144			
70	327	150	5.40	0.55	0.28	1.22	6.69	155	282	148	7.33	1.07	0.25	0.64	6.74	160			
75	522	165	6.56	0.57	0.28	1.30	7.91	171	447	161	8.25	1.12	0.25	0.69	8.02	183			
80	720	183	7.61	0.58	0.28	1.34	9.00	195	632	178	9.20	1.16	0.24	0.73	8.35	220			
85	857	202	8.14	0.58	0.28	1.35	9.57	225	777	198	9.89	1.17	0.24	0.77	9.60	259			
90	900	210	8.36	0.58	0.28	1.34	9.75	239	850	208	10.2	1.18	0.22	0.78	10.6	276			
95	854	201	7.88	0.57	0.27	1.32	9.54	227	838	199	10.0	1.18	0.22	0.78	9.47	257			
100	717	182	7.08	0.54	0.26	1.30	9.24	198	727	179	9.42	1.18	0.20	0.75	7.97	217			
105	513	164	5.89	0.50	0.25	1.25	8.31	171	521	161	8.57	1.15	0.20	0.70	7.02	180			
110	317	149	4.85	0.45	0.24	1.19	6.99	154	307	147	7.47	1.11	0.19	0.62	5.61	158			
115	189	137	3.82	0.40	0.23	1.11	5.96	140	184	136	4.94	1.05	0.18	0.56	4.55	142			
120	151	102	3.01	0.34	0.22	1.03	4.32	117	150	105	3.96	0.95	0.16	0.50	3.60	118			
125	128	37.0	2.41	0.30	0.21	0.91	3.56	53.1	132	44.8	3.22	0.86	0.16	0.42	2.77	53.5			
130	56.4	7.66	1.85	0.28	0.21	0.81	2.86	10.2	65.2	11.0	2.61	0.79	0.16	0.36	2.15	8.34			
135	8.29	4.34	1.40	0.24	0.21	0.72	2.23	6.32	10.5	6.56	2.08	0.71	0.16	0.31	1.57	4.65			
140	4.38	2.75	0.99	0.21	0.20	0.63	1.70	3.72	5.80	3.65	1.61	0.62	0.16	0.28	1.10	3.00			
145	2.56	1.78	0.66	0.18	0.20	0.54	1.30	2.56	3.39	2.53	1.23	0.56	0.16	0.23	0.73	1.95			
150	1.52	1.05	0.42	0.16	0.20	0.45	0.96	1.72	2.16	1.72	0.90	0.47	0.16	0.21	0.45	1.17			
155	0.82	0.57	0.25	0.14	0.18	0.38	0.67	1.10	1.34	1.12	0.61	0.40	0.16	0.18	0.26	0.66			
160	0.40	0.27	0.16	0.12	0.17	0.28	0.46	0.64	0.78	0.67	0.40	0.32	0.15	0.16	0.14	0.33			
165	0.19	0.12	0.10	0.09	0.16	0.19	0.30	0.36	0.41	0.39	0.26	0.24	0.15	0.12	0.07	0.16			
170	0.08	0.03	0.06	0.08	0.16	0.14	0.17	0.16	0.19	0.20	0.13	0.18	0.15	0.09	0.02	0.07			
175	0.00	0.00	0.00	0.08	0.15	0.07	0.06	0.01	0.02	0.05	0.02	0.11	0.15	0.07	0.00	0.00			
180	0.00	0.00	0.00	0.08	0.15	0.07	0.00	0.00	0.00	0.00	0.00	0.08	0.15	0.07	0.00	0.00			

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