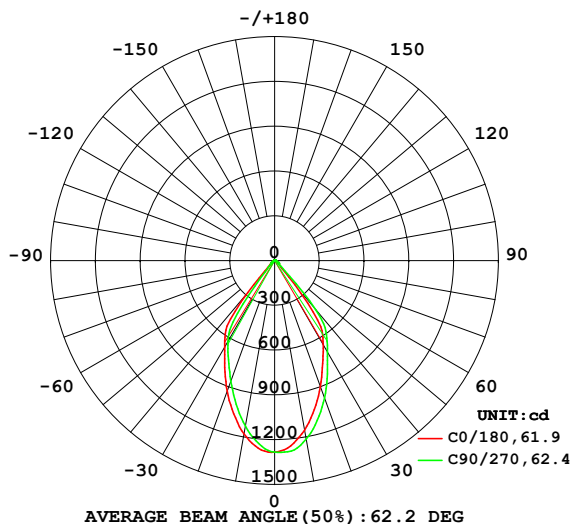


LUMINAIRE PHOTOMETRIC TEST REPORT

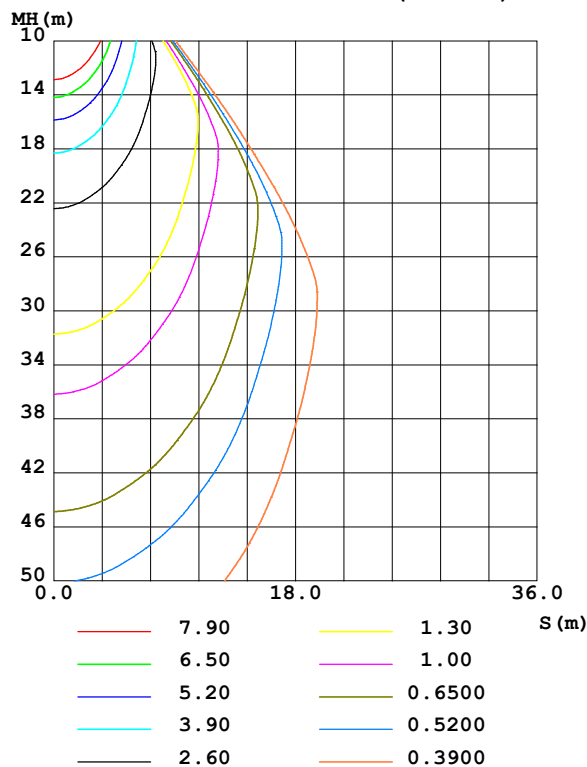
Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 78.58 lm/W			
MODEL	DL3717 3000K RA90 60D	I _{max} (cd)	1291	S/MH(C0/180)	0.87
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1219.8	η UP,DN(C0-180)	0.3,53.9
NOMINAL FLUX(lm)	1219.83	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,45.4
LAMPS INSIDE	1	η up (%)	0.7	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down (%)	99.3	CIBSE SHR MAX	1.00

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: Lihong yun
Test Date: 2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [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	1156	1181	1216	1232	1180	1159	1127	1115	0- 10	117.1	117.1	9.6,9.6
20	897.6	933.2	978.4	994.9	931.2	899.9	858.9	843.6	10- 20	293.4	410.5	33.7,33.7
30	651.7	674.2	710.5	721.3	672.2	655.7	627.5	617.3	20- 30	360.4	770.9	63.2,63.2
40	213.6	309.9	429.3	462.2	281.3	189.3	102.3	88.39	30- 40	312.9	1084	88.8,88.8
50	37.83	40.76	44.44	47.00	37.66	36.15	33.80	33.84	40- 50	75.01	1159	95,95
60	24.86	26.93	28.68	28.49	24.63	22.31	20.27	20.14	50- 60	27.93	1187	97.3,97.3
70	8.801	9.703	10.98	11.47	9.255	8.443	7.467	7.179	60- 70	16.23	1203	98.6,98.6
80	3.138	3.667	4.432	4.646	3.425	2.901	2.313	2.183	70- 80	6.326	1209	99.1,99.1
90	0.0628	0.1340	0.5243	0.6282	0.0580	0.0567	0.0641	0.0689	80- 90	1.633	1211	99.3,99.3
100	0.0758	0.0701	0.0640	0.0643	0.1027	0.1088	0.1235	0.1334	90-100	0.0943	1211	99.3,99.3
110	0.1537	0.1313	0.1187	0.1148	0.3149	0.3696	0.4507	0.4853	100-110	0.1726	1211	99.3,99.3
120	0.5279	0.4591	0.3811	0.3670	0.8838	0.9768	1.111	1.161	110-120	0.4692	1212	99.3,99.3
130	1.221	1.122	0.9977	0.9594	1.783	1.917	2.097	2.159	120-130	0.9906	1213	99.4,99.4
140	2.148	2.030	1.893	1.846	2.929	3.070	3.230	3.277	130-140	1.566	1214	99.5,99.5
150	3.097	2.979	2.878	2.802	4.013	4.102	4.270	4.249	140-150	1.910	1216	99.7,99.7
160	3.968	3.876	3.772	3.696	4.833	4.931	5.074	5.055	150-160	1.824	1218	99.8,99.8
170	4.990	4.917	4.828	4.771	5.600	5.639	5.668	5.652	160-170	1.362	1219	100,100
180	5.720	5.750	5.649	5.691	5.778	5.784	5.688	5.702	170-180	0.5203	1220	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1138.6 lm

%lum = 93.3%

%lamp = 93.3%

Conical surface Flux(130deg): 1196.7 lm

%lum = 98.1%

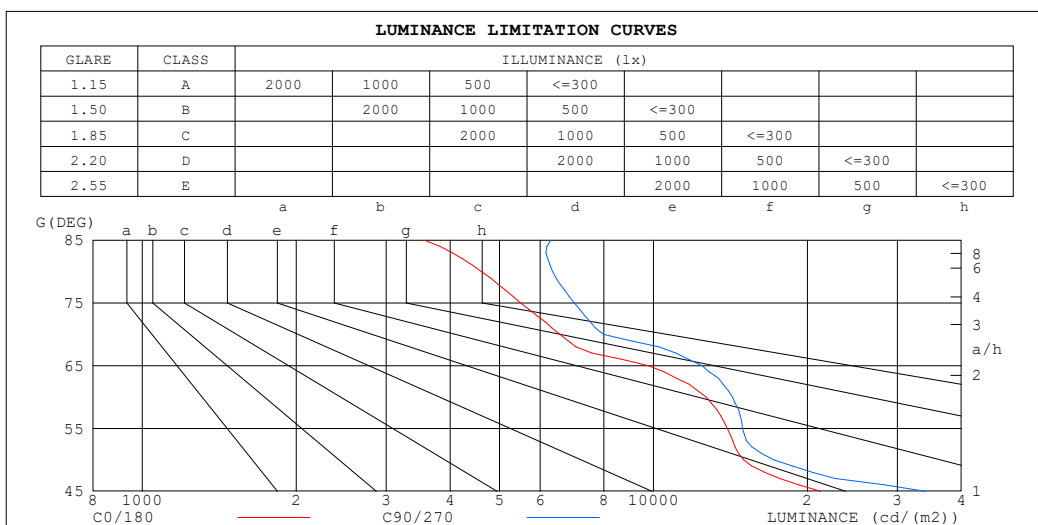
%lamp = 98.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Lihong yun
 Test Date:2023-03-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:7.580m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:



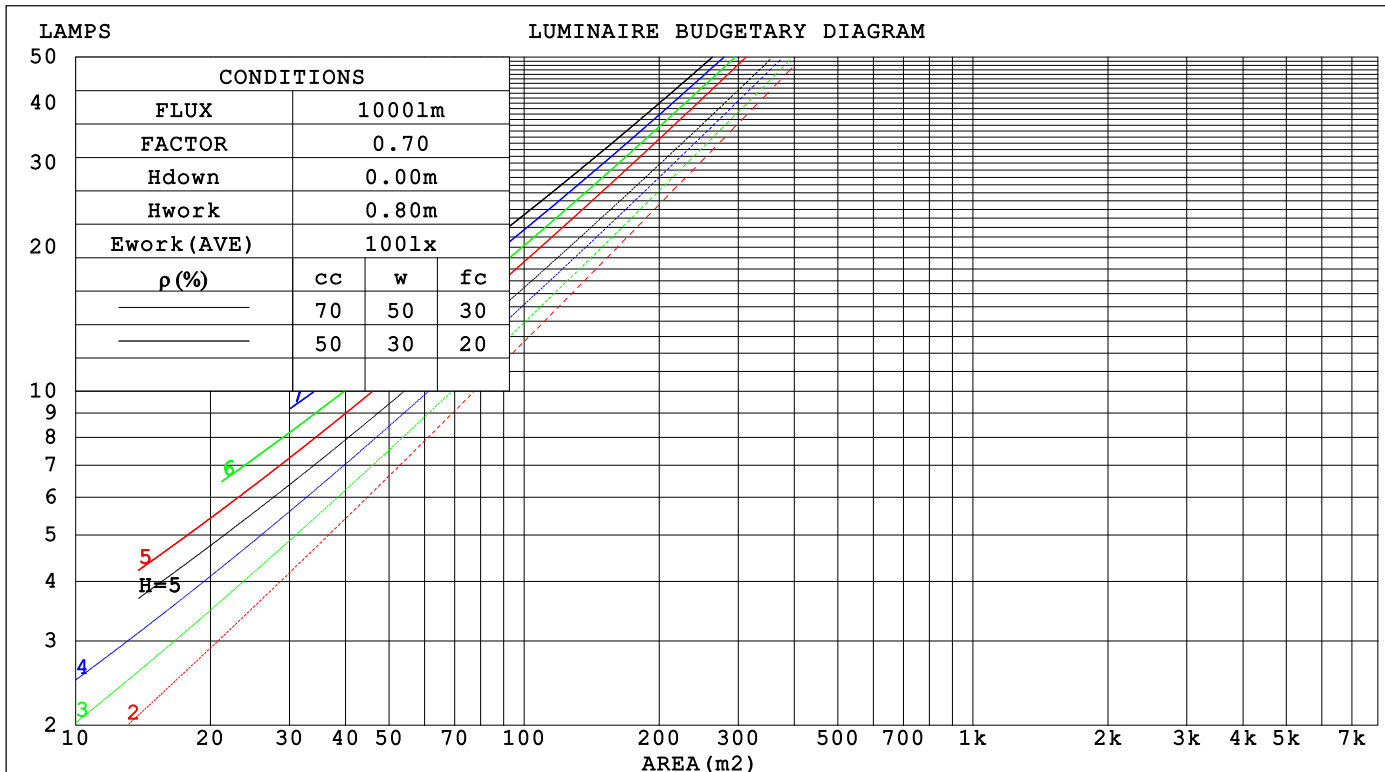
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Lihong yun
Test Date: 2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	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	1.01	1.01	1.01	.99														
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	.00	.00	.98	.97	.96	.95	.94	.92														
2.0	1.02	.97	.94	.00	.96	.93	.96	.93	.90	.93	.91	.88	.90	.88	.86	.85														
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.82	.87	.84	.81	.85	.82	.80	.78														
4.0	.88	.82	.77	.86	.81	.77	.84	.79	.76	.82	.78	.75	.80	.77	.74	.72														
5.0	.82	.75	.71	.80	.75	.70	.79	.74	.70	.77	.72	.69	.75	.71	.68	.67														
6.0	.76	.70	.65	.75	.69	.65	.74	.68	.64	.72	.68	.64	.71	.67	.63	.62														
7.0	.71	.65	.60	.71	.65	.60	.69	.64	.60	.68	.63	.59	.67	.62	.59	.58														
8.0	.67	.61	.56	.66	.60	.56	.65	.60	.56	.64	.59	.55	.63	.58	.55	.54														
9.0	.63	.57	.52	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.50														
10.0	.59	.53	.49	.59	.53	.49	.58	.53	.49	.57	.52	.49	.56	.52	.48	.47														



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: VJC Lighting			SUR.: 72			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	.190	.108	.034	.183	.104	.033	.170	.098	.031	.158	.091	.029	.147	.085	.027		
2.0	.182	.100	.031	.177	.097	.030	.165	.092	.029	.155	.087	.027	.146	.082	.026		
3.0	.174	.092	.028	.169	.090	.027	.159	.086	.026	.150	.082	.025	.142	.079	.024		
4.0	.165	.086	.025	.161	.084	.025	.153	.081	.024	.145	.078	.023	.138	.075	.023		
5.0	.157	.080	.023	.153	.079	.023	.146	.076	.022	.139	.074	.022	.133	.071	.021		
6.0	.150	.075	.021	.146	.074	.021	.140	.072	.021	.134	.070	.020	.128	.068	.020		
7.0	.143	.071	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019	.124	.064	.019		
8.0	.136	.067	.019	.134	.066	.019	.129	.064	.018	.124	.063	.018	.119	.061	.018		
9.0	.131	.063	.018	.128	.062	.018	.123	.061	.017	.119	.060	.017	.115	.058	.017		
10.0	.125	.060	.017	.123	.059	.017	.119	.058	.016	.115	.057	.016	.111	.056	.016		

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	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.178	.163	.149	.152	.140	.129	.104	.096	.089	.060	.056	.052	.019	.018	.017		
2.0	.163	.138	.117	.140	.119	.101	.096	.082	.070	.055	.048	.041	.018	.015	.013		
3.0	.152	.119	.094	.130	.103	.081	.089	.072	.057	.052	.042	.034	.017	.014	.011		
4.0	.142	.105	.077	.122	.091	.066	.084	.063	.047	.048	.037	.028	.016	.012	.009		
5.0	.134	.093	.064	.115	.081	.055	.079	.056	.039	.046	.033	.023	.015	.011	.008		
6.0	.126	.084	.054	.109	.073	.047	.075	.051	.033	.043	.030	.020	.014	.010	.007		
7.0	.120	.077	.047	.103	.067	.041	.071	.047	.029	.041	.028	.017	.013	.009	.006		
8.0	.114	.071	.041	.099	.061	.036	.068	.043	.025	.040	.025	.015	.013	.008	.005		
9.0	.109	.066	.036	.094	.057	.031	.065	.040	.022	.038	.024	.013	.012	.008	.004		
10.0	.105	.061	.032	.090	.053	.028	.063	.037	.020	.037	.022	.012	.012	.007	.004		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm										
NAME: DL3717 3000K RA90 60D					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: VJC Lighting					SUR.: 72			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	21.5	22.5	21.7	22.7	22.9	22.4	23.4	22.6	23.6	23.8
3H	21.4	22.3	21.7	22.6	22.8	22.3	23.3	22.6	23.5	23.7
4H	21.4	22.2	21.7	22.5	22.7	22.3	23.2	22.6	23.4	23.7
6H	21.3	22.1	21.6	22.4	22.7	22.2	23.1	22.6	23.3	23.6
8H	21.3	22.1	21.6	22.3	22.6	22.2	23.0	22.5	23.3	23.6
12H	21.2	22.0	21.6	22.3	22.6	22.2	22.9	22.5	23.2	23.5
4H 2H	21.3	22.2	21.6	22.4	22.7	22.2	23.1	22.5	23.3	23.6
3H	21.3	22.1	21.6	22.3	22.6	22.2	22.9	22.5	23.2	23.5
4H	21.3	22.0	21.6	22.3	22.6	22.2	22.9	22.5	23.2	23.5
6H	21.2	21.8	21.6	22.2	22.5	22.1	22.7	22.5	23.1	23.5
8H	21.2	21.8	21.6	22.1	22.5	22.1	22.7	22.5	23.1	23.4
12H	21.2	21.7	21.6	22.1	22.5	22.1	22.6	22.5	23.0	23.4
8H 4H	21.2	21.7	21.6	22.1	22.5	22.1	22.6	22.5	23.0	23.4
6H	21.2	21.6	21.6	22.0	22.5	22.1	22.5	22.5	22.9	23.4
8H	21.1	21.5	21.6	22.0	22.4	22.1	22.5	22.5	22.9	23.3
12H	21.1	21.5	21.6	21.9	22.4	22.0	22.4	22.5	22.8	23.3
12H 4H	21.1	21.6	21.6	22.0	22.4	22.0	22.5	22.4	22.9	23.3
6H	21.1	21.5	21.6	22.0	22.4	22.0	22.4	22.5	22.8	23.3
8H	21.1	21.5	21.6	21.9	22.4	22.0	22.4	22.5	22.8	23.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.9 / - 5.4					+ 2.9 / - 6.3				
1.5H	+ 5.4 / - 4.9					+ 5.4 / - 5.9				
2.0H	+ 1.2 / - 0.8					+ 3.0 / - 1.1				

CIE Pub.117, 1220 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)
Area: 0.004 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:

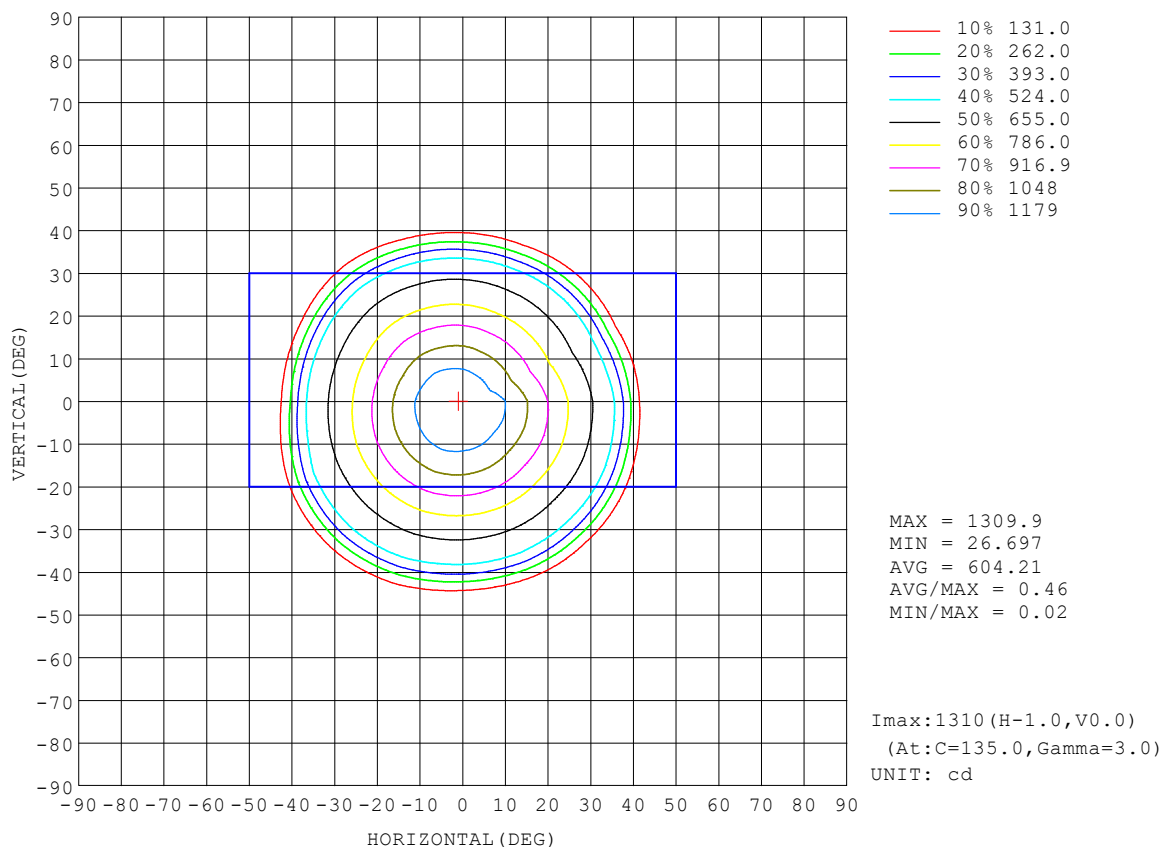
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	73	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	91	87	95	91	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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: Lihong yun
Test Date: 2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:

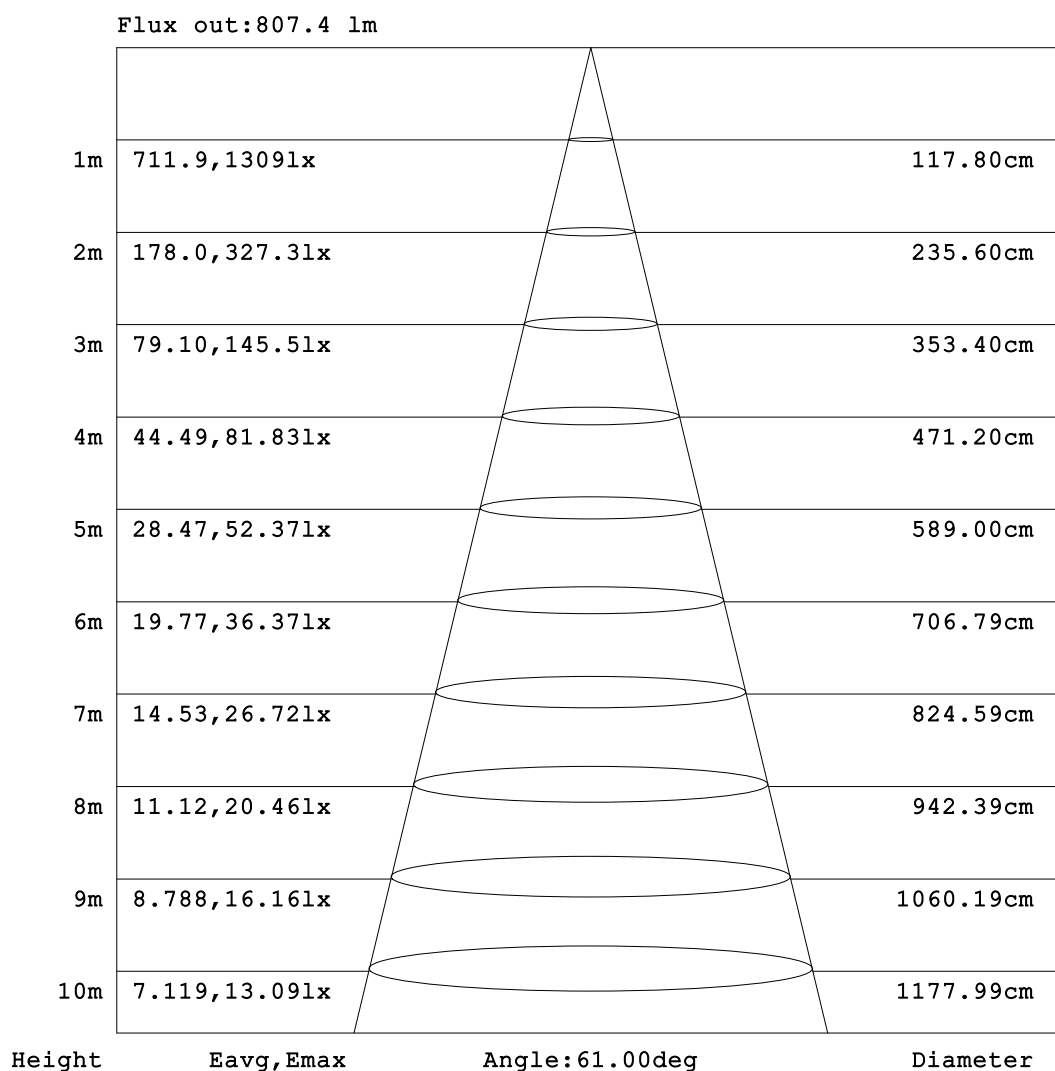


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:



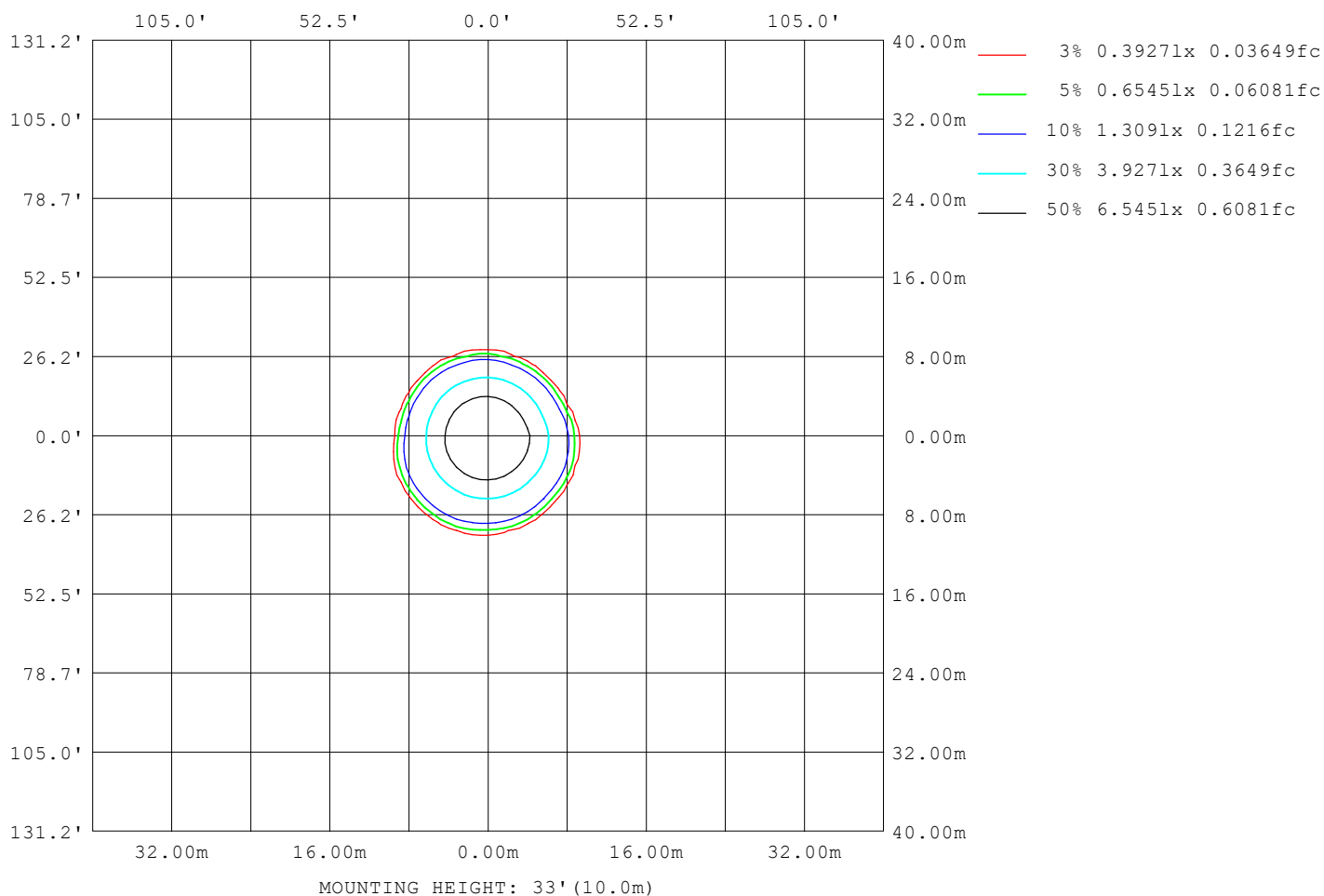
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3℃
Operators: Lihong yun
Test Date: 2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Lihong yun
Test Date: 2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm		
NAME: DL3717 3000K RA90 60D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.: 72	Shielding Angle:

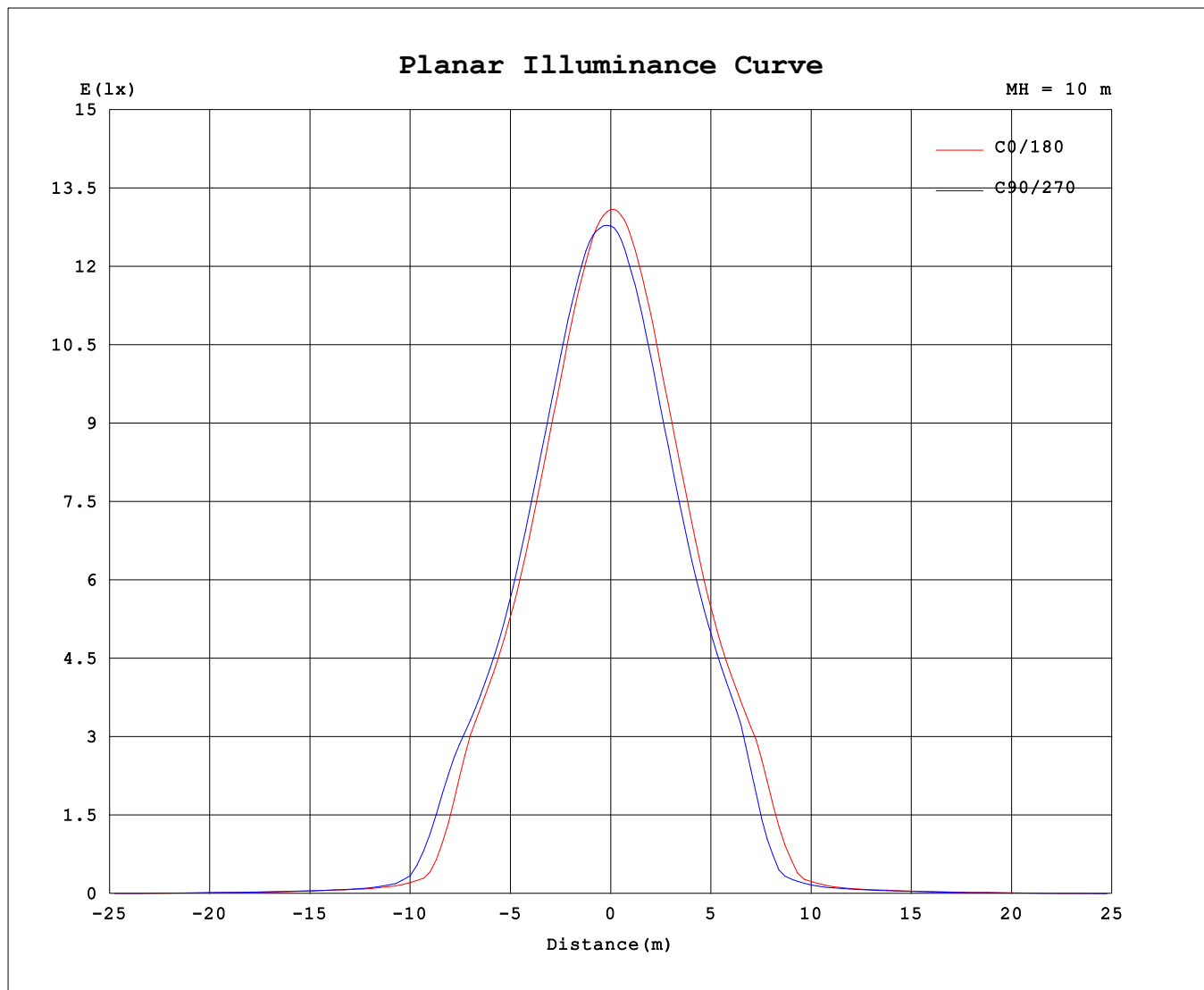
AvgL	cd/m2
L_0~180 (65) av	9671
L_0~180 (75) av	5593
L_0~180 (85) av	3803
L_90~270 (65) av	9588
L_90~270 (75) av	5710
L_90~270 (85) av	3968
L_45 (65) av	9555
L_45 (75) av	5683
L_45 (85) av	3900

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Lihong yun
Test Date:2023-03-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:7.580m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: Lihong yun
Test Date: 2023-03-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 7.580m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.56V I:0.0722A P:15.523W PF:0.9753 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:1219.83x1 lm																	
NAME: DL3717 3000K RA90 60D									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: VJC Lighting									SUR.: 72						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	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284	1284			
5	1246	1256	1262	1274	1281	1286	1288	1285	1262	1252	1250	1237	1230	1222	1223	1225			
10	1156	1172	1181	1200	1216	1230	1232	1222	1180	1164	1159	1140	1127	1114	1115	1119			
15	1032	1053	1064	1090	1108	1126	1126	1117	1061	1041	1034	1012	996	983	983	990			
20	898	922	933	961	978	996	995	985	931	909	900	874	859	844	844	852			
25	763	783	794	821	839	855	853	844	791	773	767	747	735	722	722	727			
30	652	667	674	696	711	723	721	714	672	659	656	639	628	617	617	620			
35	541	564	571	592	607	618	614	609	569	551	534	478	434	396	405	434			
40	214	279	310	384	429	467	462	432	281	220	189	134	102	85.2	88.4	102			
45	58.8	64.9	69.1	77.4	96.5	134	121	101	64.0	58.6	56.5	51.5	47.9	45.5	46.1	48.0			
50	37.8	40.0	40.8	42.9	44.4	46.9	47.0	44.8	37.7	36.2	36.1	34.7	33.8	33.3	33.8	34.8			
55	31.4	32.9	33.3	34.3	34.4	34.6	34.3	33.6	31.0	29.8	29.5	28.3	27.6	27.1	27.7	28.6			
60	24.9	26.4	26.9	28.3	28.7	28.8	28.5	27.8	24.6	23.2	22.3	21.1	20.3	19.5	20.1	21.2			
65	16.2	18.0	18.6	20.3	21.1	21.4	21.1	20.4	16.5	14.8	13.9	12.2	11.3	10.9	11.0	11.6			
70	8.80	9.45	9.70	10.4	11.0	11.8	11.5	10.9	9.26	8.70	8.44	7.84	7.47	7.13	7.18	7.46			
75	5.58	6.07	6.31	6.90	7.29	7.62	7.54	7.28	6.00	5.55	5.34	4.87	4.54	4.31	4.35	4.57			
80	3.14	3.50	3.67	4.11	4.43	4.68	4.65	4.42	3.42	3.06	2.90	2.52	2.31	2.11	2.18	2.32			
85	1.22	1.52	1.63	1.99	2.20	2.42	2.36	2.21	1.43	1.13	1.00	0.73	0.56	0.42	0.45	0.57			
90	0.06	0.06	0.13	0.37	0.52	0.68	0.63	0.51	0.06	0.06	0.06	0.05	0.06	0.06	0.07	0.06			
95	0.06	0.07	0.06	0.07	0.06	0.06	0.06	0.07	0.08	0.06	0.08	0.06	0.08	0.06	0.09	0.07			
100	0.08	0.09	0.07	0.09	0.06	0.08	0.06	0.09	0.10	0.08	0.11	0.09	0.12	0.11	0.13	0.11			
105	0.10	0.12	0.10	0.11	0.09	0.11	0.08	0.11	0.16	0.15	0.19	0.19	0.23	0.23	0.26	0.23			
110	0.15	0.16	0.13	0.15	0.12	0.14	0.11	0.15	0.31	0.33	0.37	0.39	0.45	0.46	0.49	0.45			
115	0.29	0.28	0.24	0.24	0.19	0.21	0.19	0.22	0.56	0.59	0.64	0.68	0.75	0.76	0.78	0.74			
120	0.53	0.50	0.46	0.43	0.38	0.38	0.37	0.41	0.88	0.92	0.98	1.03	1.11	1.14	1.16	1.12			
125	0.84	0.80	0.75	0.72	0.66	0.64	0.63	0.68	1.29	1.34	1.41	1.48	1.56	1.61	1.62	1.57			
130	1.22	1.17	1.12	1.06	1.00	0.97	0.96	1.01	1.78	1.84	1.92	2.00	2.10	2.15	2.16	2.11			
135	1.67	1.62	1.56	1.49	1.42	1.39	1.38	1.43	2.34	2.40	2.48	2.57	2.67	2.71	2.72	2.67			
140	2.15	2.09	2.03	1.97	1.89	1.86	1.85	1.90	2.93	2.98	3.07	3.14	3.23	3.27	3.28	3.22			
145	2.63	2.57	2.51	2.45	2.38	2.34	2.33	2.38	3.49	3.53	3.62	3.69	3.79	3.80	3.80	3.75			
150	3.10	3.04	2.98	2.93	2.88	2.83	2.80	2.87	4.01	4.04	4.10	4.17	4.27	4.26	4.25	4.19			
155	3.52	3.47	3.41	3.39	3.33	3.28	3.24	3.30	4.45	4.46	4.52	4.58	4.66	4.65	4.62	4.57			
160	3.97	3.92	3.88	3.84	3.77	3.72	3.70	3.75	4.83	4.86	4.93	4.98	5.07	5.07	5.06	5.00			
165	4.50	4.44	4.41	4.39	4.32	4.27	4.26	4.31	5.27	5.28	5.35	5.37	5.44	5.44	5.44	5.40			
170	4.99	4.96	4.92	4.91	4.83	4.79	4.77	4.86	5.60	5.59	5.64	5.60	5.67	5.65	5.65	5.61			
175	5.42	5.44	5.40	5.39	5.27	5.28	5.30	5.36	5.77	5.76	5.82	5.72	5.74	5.74	5.73	5.70			
180	5.72	5.77	5.75	5.71	5.65	5.67	5.69	5.71	5.78	5.74	5.78	5.70	5.69	5.67	5.70	5.70			

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