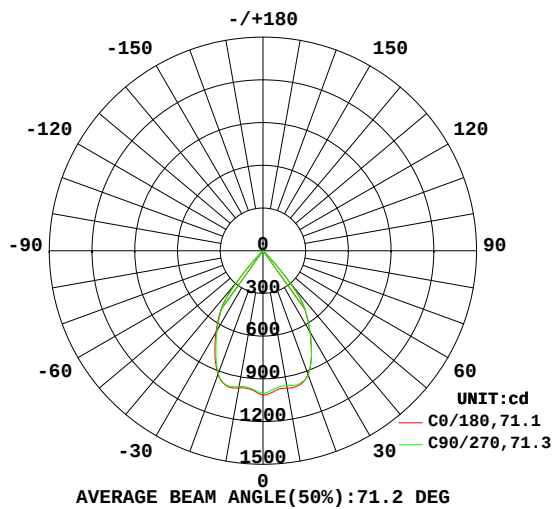


LUMINAIRE PHOTOMETRIC TEST REPORT

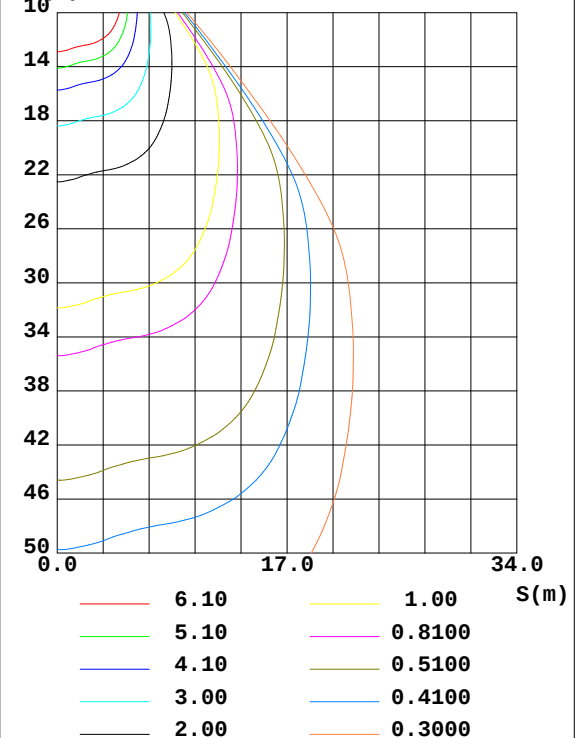
Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 90.78 lm/W			
MODEL	TB8-1911A 3000K	I _{max} (cd)	1014	S/MH(C0/180)	1.04
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.04
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1140.8	η UP, DN(C0-180)	0.8, 49.6
NOMINAL FLUX(lm)	1140.81	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 48.8
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	1.10

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

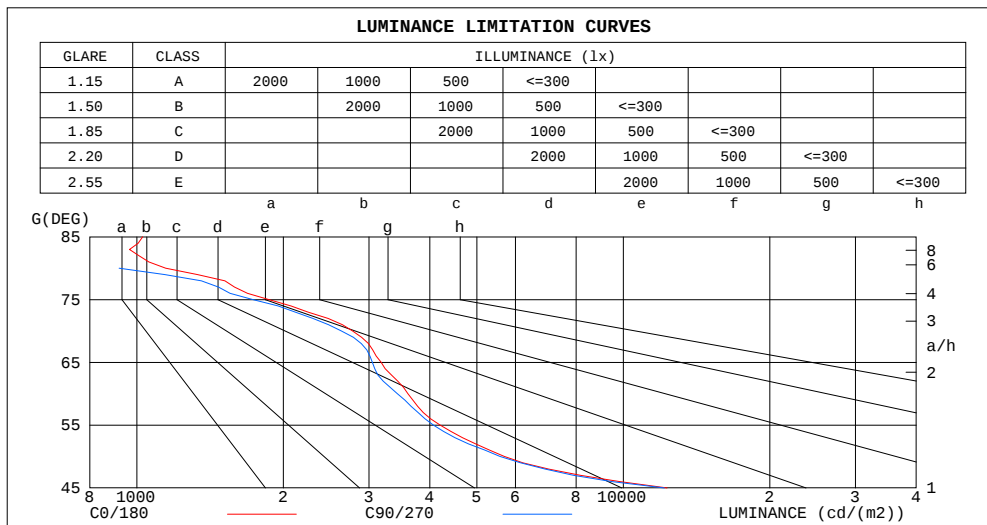
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	980.3	974.7	962.1	951.8	978.1	977.6	967.4	961.9	0- 10	92.72	92.72	8.13, 8.13
20	926.1	928.3	929.2	920.0	924.0	913.9	918.1	917.8	10- 20	272.4	365.2	32, 32
30	661.3	665.5	664.1	658.6	661.6	653.0	646.0	650.6	20- 30	364.0	729.1	63.9, 63.9
40	309.2	311.9	308.1	278.0	282.4	276.2	278.4	298.9	30- 40	314.3	1043	91.5, 91.5
50	16.17	16.14	15.84	15.65	15.80	15.40	15.60	16.10	40- 50	61.57	1105	96.9, 96.9
60	7.970	7.952	7.585	7.437	7.478	7.474	7.547	7.680	50- 60	9.565	1115	97.7, 97.7
70	4.194	4.157	3.978	3.881	3.725	3.776	3.863	4.107	60- 70	5.645	1120	98.2, 98.2
80	0.8800	0.8202	0.7056	0.5948	0.5497	0.5545	0.6738	0.8113	70- 80	2.228	1122	98.4, 98.4
90	0	0	0	0	0	0	0	0	80- 90	0.2696	1123	98.4, 98.4
100	0	0	0	0	0.0598	0.0598	0.0462	0.0415	90-100	0.0045	1123	98.4, 98.4
110	0.2063	0.1971	0.2017	0.2063	0.3405	0.3451	0.3359	0.3220	100-110	0.1246	1123	98.4, 98.4
120	0.8761	0.8667	0.8531	0.8671	1.113	1.113	1.095	1.062	110-120	0.5583	1123	98.5, 98.5
130	2.542	2.487	2.491	2.560	2.930	2.952	2.911	2.815	120-130	1.519	1125	98.6, 98.6
140	5.550	5.403	5.412	5.550	6.007	5.943	5.824	5.755	130-140	3.180	1128	98.9, 98.9
150	8.147	7.908	8.193	8.032	8.671	8.565	8.566	8.386	140-150	4.390	1132	99.3, 99.3
160	9.829	9.685	9.852	9.627	10.33	10.14	10.40	9.919	150-160	4.208	1137	99.6, 99.6
170	11.42	11.27	11.37	11.48	11.80	11.72	11.54	11.35	160-170	3.012	1140	99.9, 99.9
180	12.88	13.00	12.70	12.80	12.93	13.04	12.75	12.84	170-180	1.148	1141	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1028	503
80	1147	919
75	1867	1731
70	2774	2631
65	3177	3049
60	3606	3432
55	4198	4070
50	5691	5574
45	12295	12143

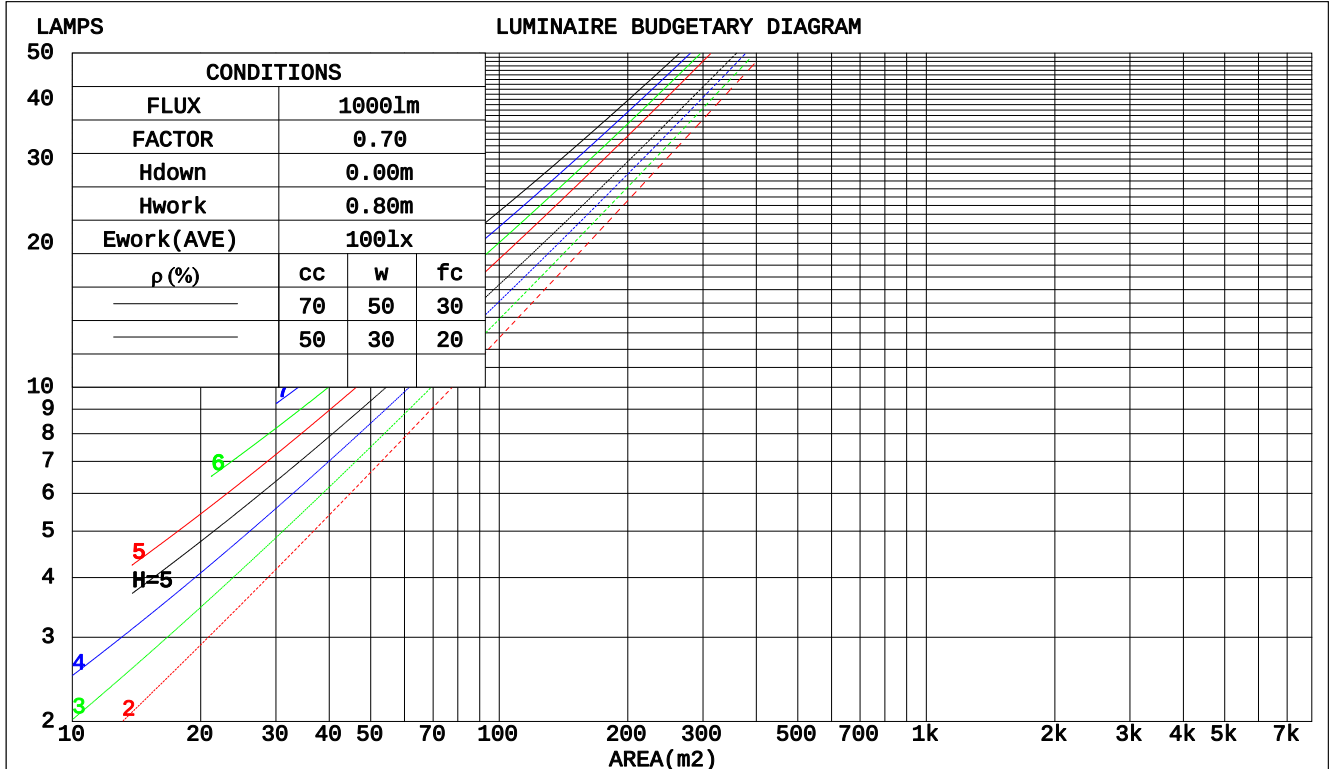
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.10	1.07	1.05	1.08	1.05	1.03	1.03	1.01	.99	.99	.98	.97	.96	.95	.93	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.93	.91	.93	.91	.89	.90	.88	.86	.85
3.0	.95	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.81	.85	.82	.80	.78
4.0	.88	.82	.78	.87	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.74	.72
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.69	.75	.72	.69	.67
6.0	.76	.70	.66	.76	.70	.65	.74	.69	.65	.72	.68	.64	.71	.67	.64	.62
7.0	.71	.65	.61	.71	.65	.61	.69	.64	.60	.68	.63	.60	.67	.62	.59	.58
8.0	.67	.61	.56	.66	.60	.56	.65	.60	.56	.64	.59	.56	.63	.58	.55	.54
9.0	.63	.57	.53	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.50
10.0	.59	.53	.49	.59	.53	.49	.58	.52	.49	.57	.52	.49	.56	.52	.48	.47



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm					
NAME: DL2082-BKTC15C01			TYPE:		WEIGHT:
SPEC.: black RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 75mm		Shielding Angle:

ρ _{cc}	80%			70%			50%			30%			10%			0	
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.185	.105	.033	.178	.101	.032	.164	.094	.030	.152	.088	.028	.140	.081	.026		
2.0	.178	.098	.030	.172	.095	.029	.160	.089	.028	.150	.084	.026	.140	.079	.025		
3.0	.170	.090	.027	.165	.088	.027	.155	.084	.025	.146	.080	.024	.137	.076	.023		
4.0	.162	.084	.025	.158	.083	.024	.149	.079	.024	.141	.076	.023	.134	.073	.022		
5.0	.155	.079	.023	.151	.077	.023	.143	.075	.022	.136	.072	.021	.130	.069	.021		
6.0	.148	.074	.021	.144	.073	.021	.138	.071	.021	.131	.068	.020	.125	.066	.020		
7.0	.142	.070	.020	.138	.069	.020	.132	.067	.019	.127	.065	.019	.121	.063	.019		
8.0	.136	.066	.019	.133	.065	.018	.127	.064	.018	.122	.062	.018	.117	.060	.018		
9.0	.130	.063	.018	.127	.062	.017	.122	.061	.017	.118	.059	.017	.113	.058	.017		
10.0	.125	.060	.017	.122	.059	.016	.118	.058	.016	.114	.056	.016	.110	.055	.016		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.184	.169	.156	.157	.145	.135	.108	.100	.093	.062	.058	.054	.020	.019	.018	
2.0	.169	.145	.124	.145	.125	.107	.099	.086	.075	.057	.050	.044	.018	.016	.014	
3.0	.158	.126	.101	.135	.109	.087	.093	.076	.061	.054	.044	.036	.017	.014	.012	
4.0	.148	.111	.084	.127	.096	.073	.087	.067	.051	.050	.039	.030	.016	.013	.010	
5.0	.140	.100	.071	.120	.087	.062	.083	.060	.044	.048	.036	.026	.015	.012	.009	
6.0	.133	.091	.061	.114	.079	.053	.079	.055	.038	.046	.032	.022	.015	.011	.007	
7.0	.126	.084	.054	.109	.072	.047	.075	.051	.033	.044	.030	.020	.014	.010	.007	
8.0	.121	.077	.048	.104	.067	.042	.072	.047	.029	.042	.028	.018	.014	.009	.006	
9.0	.116	.072	.043	.100	.063	.037	.069	.044	.027	.040	.026	.016	.013	.009	.005	
10.0	.111	.068	.039	.096	.059	.034	.067	.042	.024	.039	.025	.015	.013	.008	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm											
NAME: DL2082-BKTC15C01						TYPE:			WEIGHT:		
SPEC.: black RA90 3000K+5000K						DIM.:			SERIAL No.:		
MFR.:						SUR.: 75mm			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		21.0	22.0	21.3	22.2	22.4	21.0	22.0	21.3	22.2	22.4
	3H	20.9	21.8	21.2	22.0	22.2	20.9	21.8	21.2	22.0	22.3
	4H	20.8	21.6	21.1	21.9	22.1	20.8	21.7	21.1	21.9	22.2
	6H	20.7	21.5	21.0	21.8	22.0	20.7	21.5	21.0	21.8	22.1
	8H	20.6	21.4	21.0	21.7	22.0	20.7	21.4	21.0	21.7	22.0
	12H	20.6	21.3	20.9	21.6	21.9	20.6	21.4	21.0	21.7	22.0
4H	2H	20.8	21.6	21.1	21.9	22.1	20.8	21.6	21.1	21.9	22.1
	3H	20.6	21.3	21.0	21.6	22.0	20.6	21.4	21.0	21.7	22.0
	4H	20.5	21.2	20.9	21.5	21.9	20.5	21.2	20.9	21.5	21.9
	6H	20.4	21.0	20.8	21.4	21.8	20.5	21.0	20.9	21.4	21.8
	8H	20.4	20.9	20.8	21.3	21.7	20.4	20.9	20.8	21.3	21.7
	12H	20.3	20.8	20.8	21.2	21.6	20.3	20.8	20.8	21.2	21.7
8H	4H	20.4	20.9	20.8	21.3	21.7	20.4	20.9	20.8	21.3	21.7
	6H	20.3	20.7	20.7	21.1	21.6	20.3	20.7	20.8	21.2	21.6
	8H	20.2	20.6	20.7	21.1	21.5	20.3	20.6	20.7	21.1	21.6
	12H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
12H	4H	20.3	20.8	20.8	21.2	21.6	20.3	20.8	20.8	21.2	21.7
	6H	20.2	20.6	20.7	21.1	21.5	20.2	20.6	20.7	21.1	21.6
	8H	20.2	20.5	20.7	21.0	21.5	20.2	20.5	20.7	21.0	21.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.1 / -12.9					+ 3.1 / -13.1					
1.5H	+ 5.9 / -11.9					+ 5.9 / -12.1					
2.0H	+ 4.3 / - 1.7					+ 4.3 / - 1.8					

CIE Pub.117, 1141 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.5)
Area: 0.00442 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

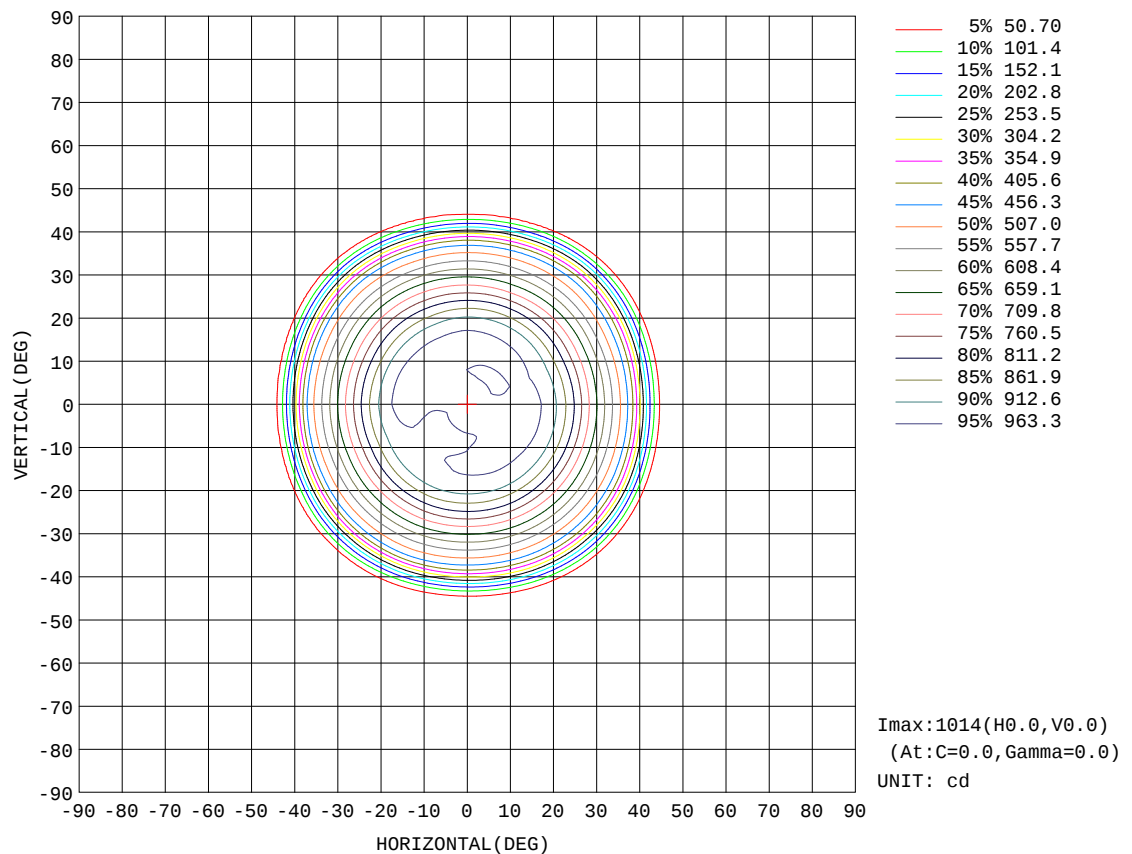
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	87	84	92	87	83	80
1.00	98	93	89	97	92	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	101	98	95	90
2.00	108	104	100	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	107	105	104	96
5.00	115	112	110	112	110	109	108	107	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:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

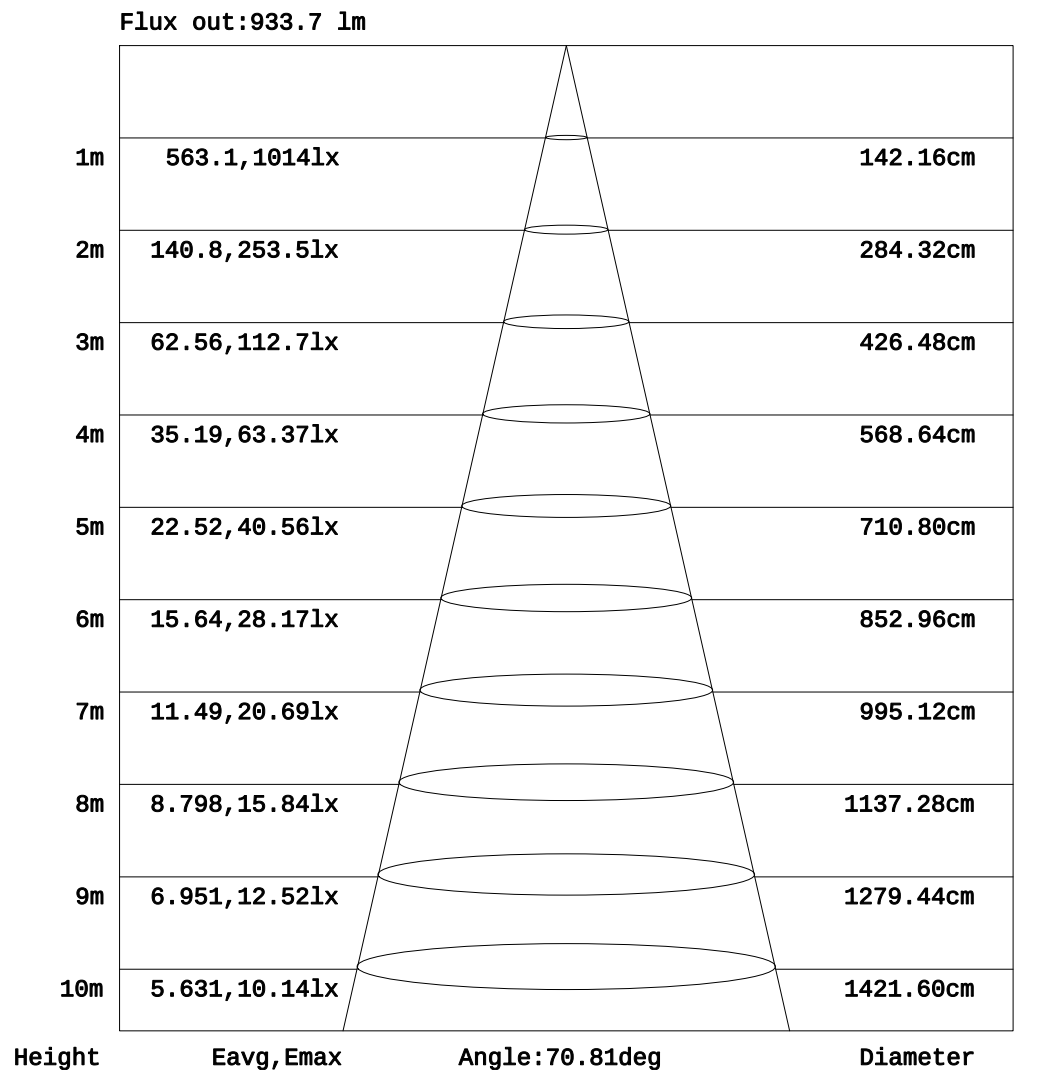


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

AAI Figure

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:



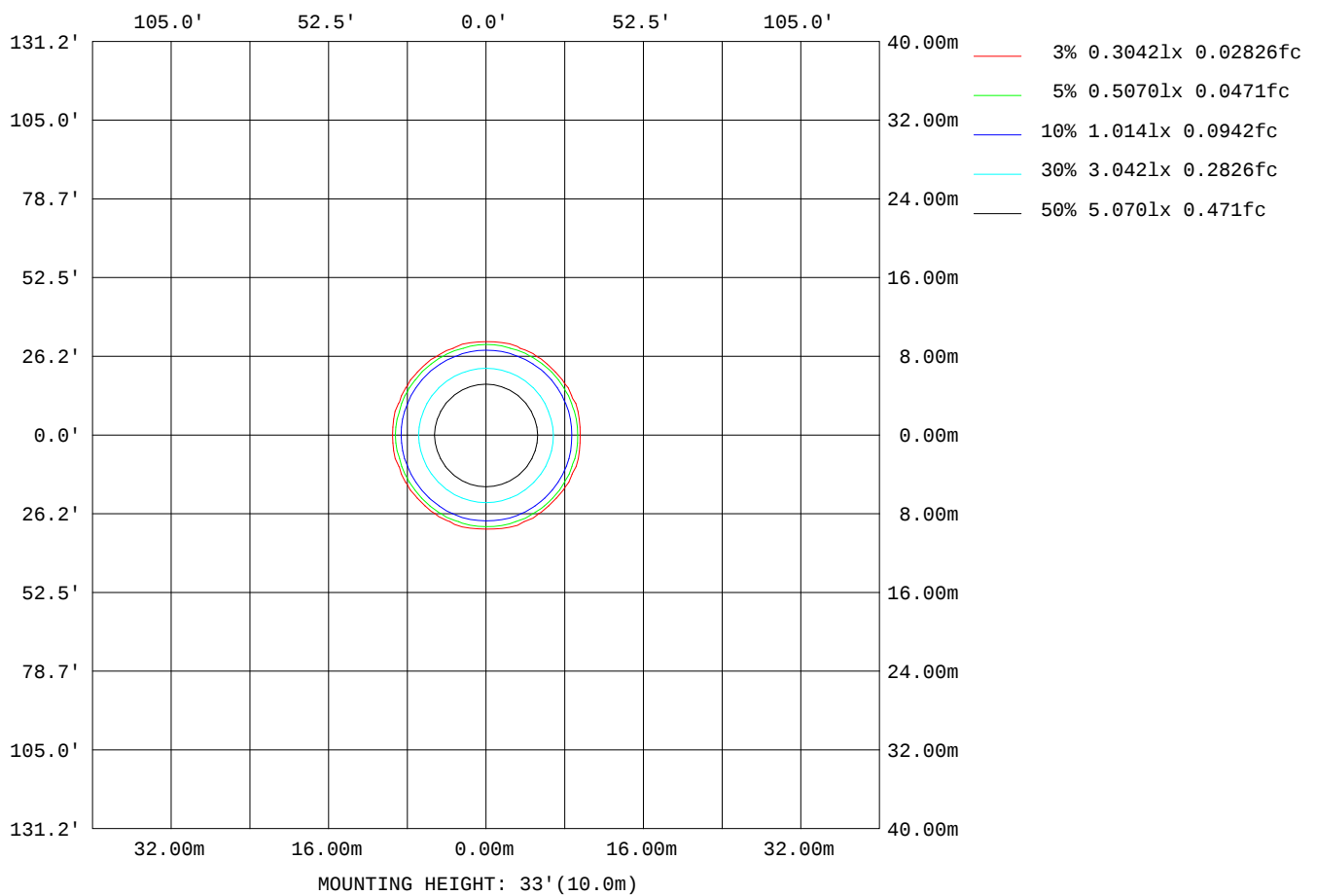
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm		
NAME: DL2082-BKTC15C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

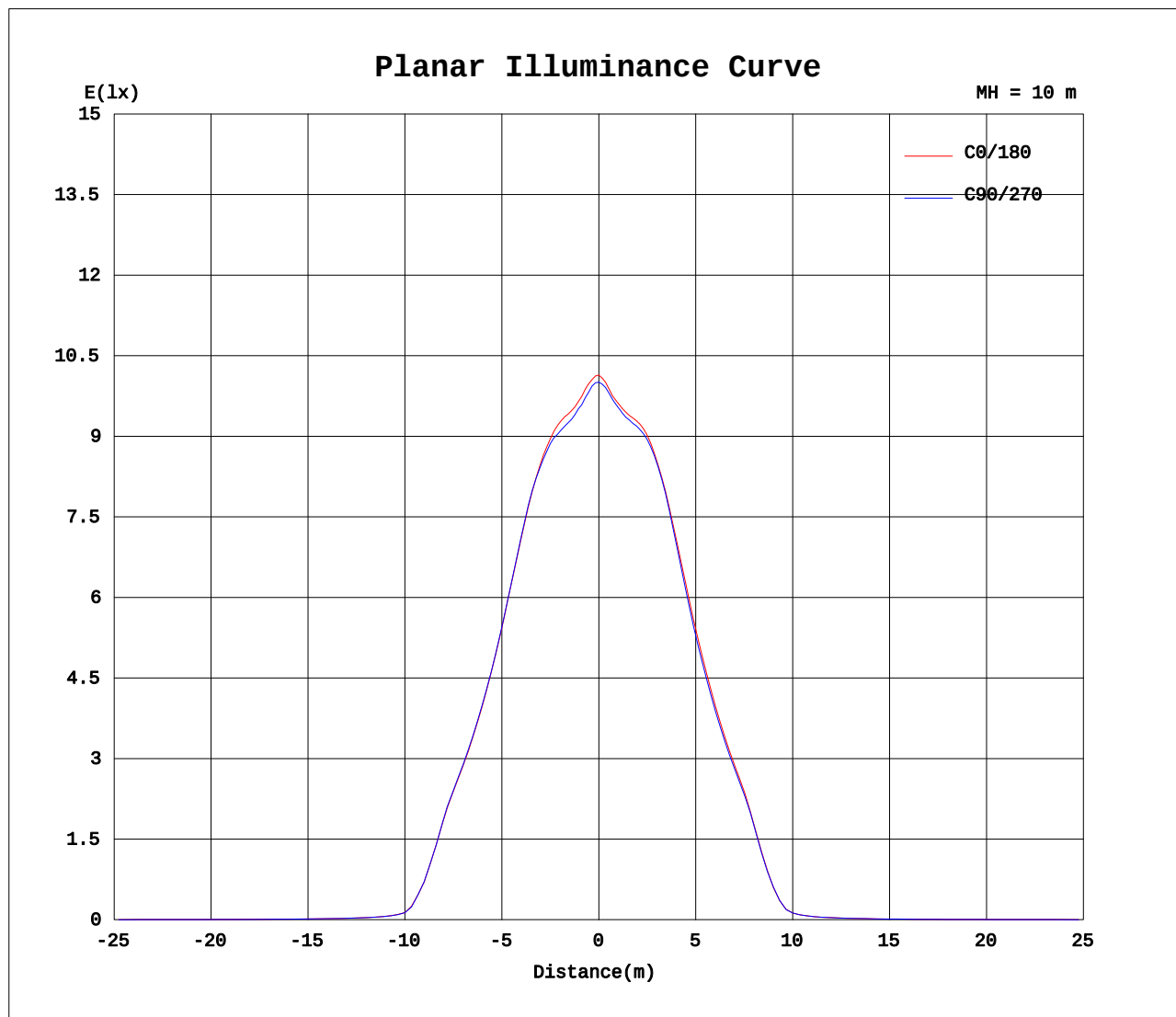
AvgL	cd/m2
L_0~180(65)av	3063
L_0~180(75)av	1717
L_0~180(85)av	662
L_90~270(65)av	3006
L_90~270(75)av	1691
L_90~270(85)av	519
L_45(65)av	3014
L_45(75)av	1691
L_45(85)av	593

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-05-25

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.11V I:0.0560A P:12.566W PF:0.9716 Freq:49.99Hz Lamp Flux:1140.81x1 lm																	
NAME: DL2082-BKTC15C01									TYPE:						WEIGHT:		
SPEC.: black RA90 3000K+5000K									DIM.:						SERIAL No.:		
MFR.:									SUR.: 75mm						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	1014	1012	1008	1004	1001	999	998	996	1014	1012	1008	1004	1001	999	998	996			
5	986	982	976	973	970	971	967	964	978	977	972	971	971	969	970	969			
10	980	979	975	970	962	957	952	956	978	980	978	974	967	964	962	961			
15	977	975	974	975	968	961	958	960	985	983	980	976	977	975	974	966			
20	926	929	928	930	929	926	920	913	924	918	914	911	918	918	918	914			
25	806	808	808	810	808	807	802	794	800	791	791	786	784	786	792	793			
30	661	662	665	666	664	664	659	655	662	654	653	648	646	645	651	652			
35	522	524	524	525	525	526	519	517	524	515	514	508	511	513	516	513			
40	309	319	312	322	308	300	278	272	282	275	276	270	278	282	299	302			
45	38.4	40.2	39.8	40.5	38.0	36.9	35.7	34.7	35.9	35.8	35.6	34.7	35.7	34.8	35.9	37.7			
50	16.2	16.4	16.1	15.9	15.8	15.7	15.6	15.3	15.8	15.6	15.4	15.3	15.6	15.9	16.1	15.9			
55	10.6	10.8	10.6	10.6	10.3	10.3	10.0	9.89	10.0	9.93	9.98	9.90	10.0	10.1	10.3	10.4			
60	7.97	8.04	7.95	7.81	7.58	7.46	7.44	7.34	7.48	7.39	7.47	7.49	7.55	7.57	7.68	7.78			
65	5.93	5.94	5.92	5.76	5.69	5.58	5.51	5.45	5.51	5.50	5.47	5.51	5.54	5.58	5.62	5.72			
70	4.19	4.20	4.16	4.09	3.98	3.95	3.88	3.78	3.73	3.69	3.78	3.77	3.86	3.97	4.11	4.13			
75	2.14	2.17	2.09	2.05	1.98	1.95	1.81	1.75	1.79	1.76	1.72	1.79	1.89	1.98	2.11	2.14			
80	0.88	0.86	0.82	0.74	0.71	0.63	0.59	0.54	0.55	0.58	0.55	0.63	0.67	0.76	0.81	0.90			
85	0.40	0.33	0.32	0.20	0.19	0.12	0.14	0.08	0.11	0.15	0.12	0.20	0.21	0.31	0.33	0.41			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.03	0.06	0.01	0.06	0.00	0.05	0.00	0.04	0.00			
105	0.06	0.10	0.05	0.10	0.06	0.10	0.06	0.11	0.17	0.12	0.16	0.12	0.16	0.13	0.14	0.10			
110	0.21	0.24	0.20	0.25	0.20	0.25	0.21	0.26	0.34	0.30	0.35	0.30	0.34	0.28	0.32	0.27			
115	0.45	0.49	0.44	0.48	0.44	0.50	0.46	0.52	0.64	0.60	0.64	0.60	0.63	0.57	0.60	0.55			
120	0.88	0.90	0.87	0.88	0.85	0.89	0.87	0.91	1.11	1.08	1.11	1.07	1.09	1.04	1.06	1.00			
125	1.48	1.51	1.46	1.49	1.46	1.52	1.49	1.54	1.83	1.81	1.84	1.80	1.82	1.76	1.75	1.69			
130	2.54	2.53	2.49	2.50	2.49	2.53	2.56	2.60	2.93	2.92	2.95	2.92	2.91	2.85	2.81	2.76			
135	3.96	3.91	3.87	3.88	3.90	3.95	3.99	4.03	4.40	4.39	4.40	4.37	4.35	4.28	4.22	4.14			
140	5.55	5.42	5.40	5.38	5.41	5.47	5.55	5.57	6.01	5.93	5.94	5.88	5.82	5.79	5.76	5.65			
145	6.96	6.78	6.77	6.82	6.91	6.91	6.93	6.96	7.46	7.36	7.42	7.31	7.30	7.22	7.20	7.03			
150	8.15	7.97	7.91	8.03	8.19	8.11	8.03	8.14	8.67	8.53	8.57	8.56	8.57	8.48	8.39	8.16			
155	9.02	8.85	8.72	8.91	9.08	9.01	8.84	9.02	9.59	9.37	9.43	9.51	9.60	9.39	9.22	8.96			
160	9.83	9.64	9.68	9.75	9.85	9.79	9.63	9.86	10.3	10.2	10.1	10.3	10.4	10.2	9.92	9.68			
165	10.6	10.5	10.3	10.6	10.6	10.6	10.5	10.7	11.0	10.9	10.9	11.0	11.1	10.9	10.6	10.5			
170	11.4	11.3	11.3	11.4	11.4	11.4	11.5	11.7	11.8	11.8	11.7	11.5	11.5	11.4	11.3	11.3			
175	12.2	12.3	12.3	12.3	12.1	12.2	12.4	12.4	12.5	12.6	12.6	12.3	12.1	12.2	12.2	12.1			
180	12.9	12.9	13.0	12.8	12.7	12.6	12.8	12.7	12.9	12.9	13.0	12.8	12.8	12.6	12.8	12.7			

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