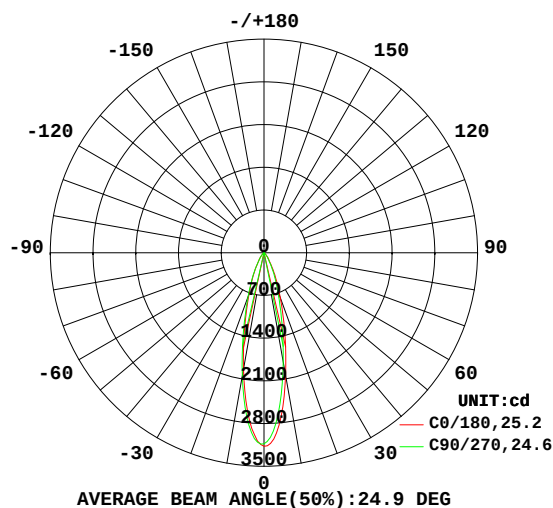


LUMINAIRE PHOTOMETRIC TEST REPORT

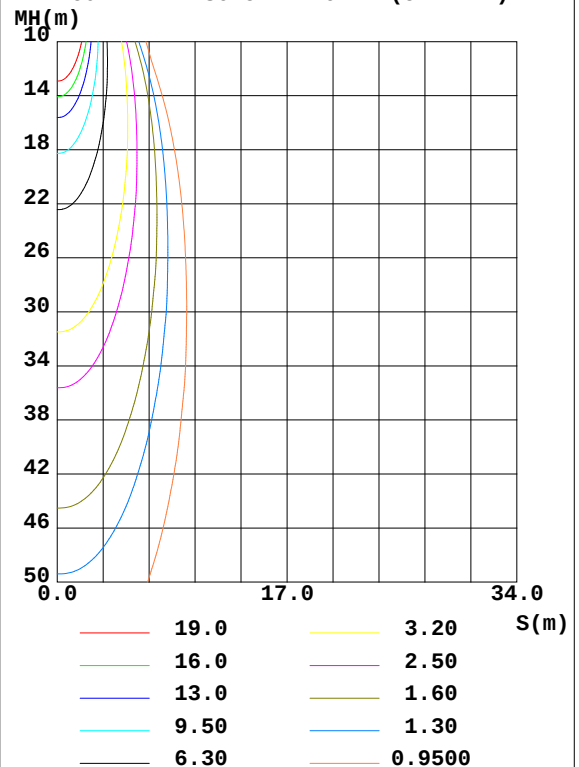
Test:U:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.97 lm/W			
MODEL	TB15111204 3000K	I _{max} (cd)	3171	S/MH(C0/180)	0.41
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	927.07	η UP, DN(C0-180)	0.8, 47.6
NOMINAL FLUX(lm)	927.074	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 50.8
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	98.4	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:25DEG
Operators:
Test Date:2025-06-02

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:

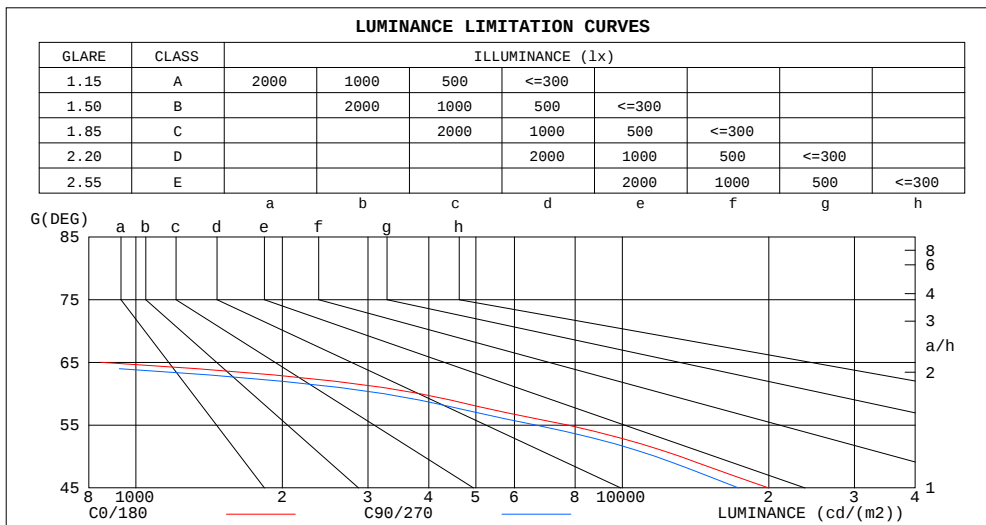
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2043	1932	1823	1810	1942	2011	2052	2071	0- 10	236.9	236.9	25.6, 25.6
20	780.2	717.4	652.0	655.8	726.8	755.8	763.5	779.0	10- 20	339.6	576.5	62.2, 62.2
30	243.2	221.3	205.4	210.9	235.9	240.1	244.0	248.9	20- 30	199.3	775.8	83.7, 83.7
40	86.01	78.76	72.41	73.29	82.83	85.13	84.34	86.90	30- 40	85.90	861.7	93, 93
50	28.05	26.31	24.96	24.59	26.44	27.03	27.27	28.59	40- 50	36.22	897.9	96.9, 96.9
60	6.365	6.108	5.368	4.601	4.585	4.580	5.251	5.926	50- 60	12.47	910.4	98.2, 98.2
70	0.3816	0.3861	0.3495	0.3816	0.2981	0.2846	0.3347	0.3119	60- 70	1.615	912.0	98.4, 98.4
80	0	0	0	0	0	0	0	0	70- 80	0.0936	912.1	98.4, 98.4
90	0	0	0	0	0	0	0	0	80- 90	0	912.1	98.4, 98.4
100	0	0	0	0	0.0184	0.0093	0.0093	0.0092	90-100	0.0003	912.1	98.4, 98.4
110	0.0503	0.0503	0.0505	0.0505	0.1565	0.1426	0.1289	0.1288	100-110	0.0352	912.2	98.4, 98.4
120	0.3577	0.3669	0.3717	0.3808	0.5380	0.4921	0.4599	0.4554	110-120	0.2300	912.4	98.4, 98.4
130	1.197	1.216	1.239	1.271	1.490	1.371	1.288	1.297	120-130	0.7057	913.1	98.5, 98.5
140	3.088	3.157	3.231	3.277	3.660	3.426	3.238	3.247	130-140	1.649	914.7	98.7, 98.7
150	6.537	6.629	6.895	6.895	7.480	7.121	6.831	6.744	140-150	3.064	917.8	99, 99
160	11.06	11.04	11.69	11.51	12.23	11.78	11.75	11.26	150-160	4.190	922.0	99.5, 99.5
170	13.91	13.76	14.16	14.41	14.75	14.46	14.29	13.99	160-170	3.699	925.7	99.9, 99.9
180	14.85	15.06	14.59	15.06	14.95	15.13	14.60	15.05	170-180	1.373	927.1	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	0
80	0	0
75	44	22
70	336	308
65	848	590
60	3835	3234
55	7724	6638
50	13144	11696
45	19982	17339

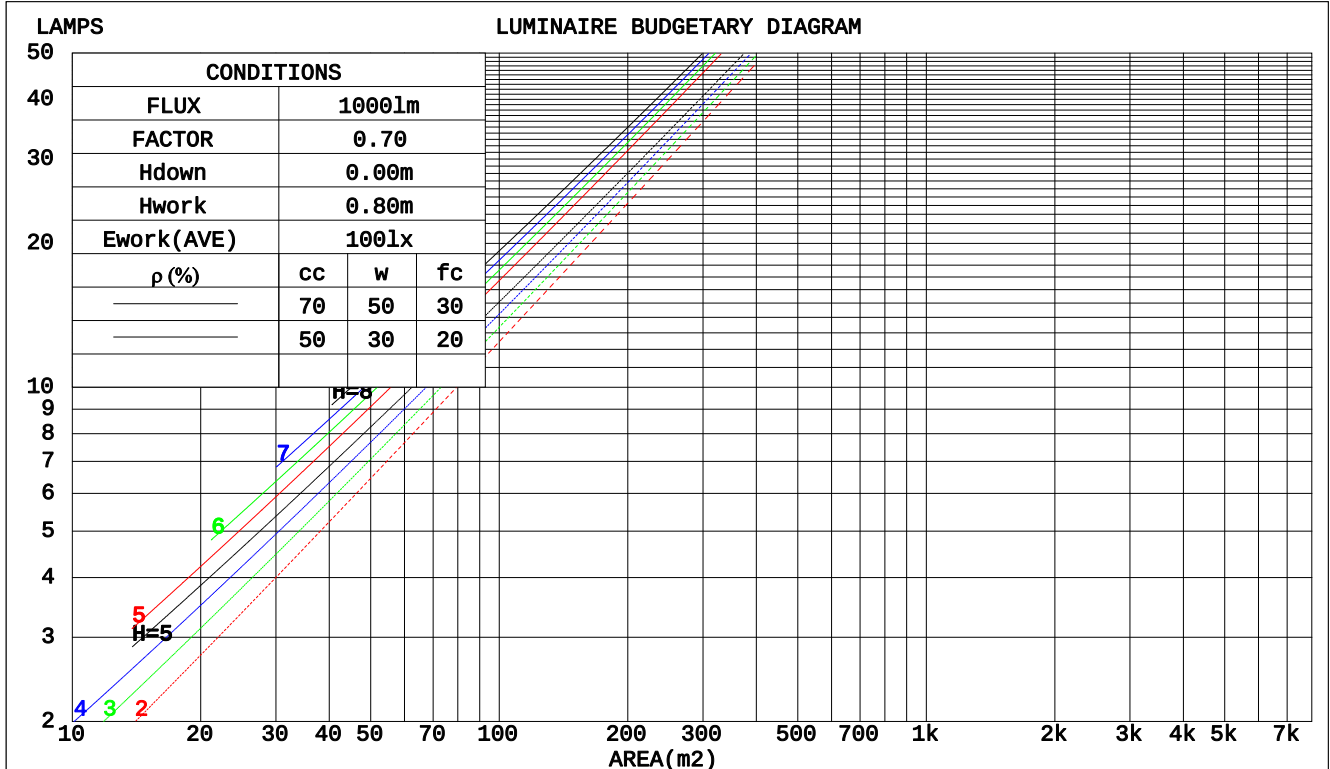
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	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	1.12	1.09	1.07	1.09	1.07	1.06	1.05	1.03	1.02	1.01	.99	.99	.97	.96	.96	.94
2.0	1.05	1.02	.99	1.03	1.00	.98	.99	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.93	.90	.88	.90	.88	.86	.85
4.0	.94	.90	.86	.93	.89	.86	.91	.87	.85	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.85	.82	.89	.84	.81	.87	.83	.80	.85	.82	.79	.84	.81	.79	.77
6.0	.86	.81	.77	.85	.80	.77	.84	.79	.76	.82	.79	.76	.81	.78	.75	.74
7.0	.82	.77	.74	.82	.77	.74	.80	.76	.73	.79	.75	.73	.78	.75	.72	.71
8.0	.79	.74	.71	.78	.74	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69	.68
9.0	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.73	.69	.67	.66
10.0	.73	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.70	.67	.64	.63



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm					
NAME: DL3017-BKTC12C02			TYPE:		WEIGHT:
SPEC.: black RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 65mm		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	.155	.088	.028	.148	.085	.027	.135	.077	.025	.123	.071	.023	.111	.064	.021	
2.0	.147	.080	.025	.141	.077	.024	.129	.072	.022	.119	.067	.021	.109	.062	.020	
3.0	.138	.074	.022	.133	.071	.021	.124	.067	.020	.115	.063	.019	.107	.059	.018	
4.0	.131	.068	.020	.126	.066	.020	.118	.063	.019	.110	.059	.018	.103	.056	.017	
5.0	.124	.063	.018	.120	.062	.018	.113	.059	.017	.106	.056	.017	.100	.053	.016	
6.0	.118	.059	.017	.114	.058	.017	.108	.055	.016	.102	.053	.016	.097	.051	.015	
7.0	.112	.055	.016	.109	.054	.015	.103	.052	.015	.098	.050	.015	.093	.049	.014	
8.0	.107	.052	.015	.104	.051	.015	.099	.050	.014	.095	.048	.014	.090	.046	.014	
9.0	.102	.049	.014	.100	.049	.014	.095	.047	.013	.091	.046	.013	.087	.044	.013	
10.0	.098	.047	.013	.096	.046	.013	.092	.045	.013	.088	.044	.012	.084	.043	.012	

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	.182	.170	.159	.156	.146	.137	.107	.100	.095	.061	.058	.055	.020	.019	.018	
2.0	.165	.145	.128	.142	.125	.111	.097	.086	.077	.056	.050	.045	.018	.016	.015	
3.0	.152	.126	.105	.130	.109	.091	.089	.075	.064	.052	.044	.038	.017	.014	.012	
4.0	.140	.111	.089	.120	.096	.077	.083	.067	.054	.048	.039	.032	.015	.013	.011	
5.0	.131	.099	.076	.112	.086	.066	.077	.060	.046	.045	.035	.028	.014	.011	.009	
6.0	.122	.089	.066	.105	.077	.057	.073	.054	.040	.042	.032	.024	.014	.010	.008	
7.0	.115	.081	.058	.099	.071	.050	.069	.050	.036	.040	.029	.021	.013	.010	.007	
8.0	.109	.075	.051	.094	.065	.045	.065	.046	.032	.038	.027	.019	.012	.009	.006	
9.0	.104	.070	.046	.089	.060	.041	.062	.042	.029	.036	.025	.017	.012	.008	.006	
10.0	.099	.065	.042	.085	.056	.037	.059	.040	.026	.035	.023	.016	.011	.008	.005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm										
NAME: DL3017-BKTC12C02					TYPE:			WEIGHT:		
SPEC.: black RA90 3000K+5000K					DIM.:			SERIAL No.:		
MFR.:					SUR.: 65mm			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	16.0	16.8	16.2	16.9	17.1	15.4	16.1	15.6	16.3	16.5
3H	15.8	16.5	16.1	16.8	17.0	15.2	15.9	15.5	16.1	16.4
4H	15.7	16.4	16.0	16.7	16.9	15.1	15.8	15.4	16.0	16.3
6H	15.7	16.3	16.0	16.6	16.8	15.0	15.7	15.3	15.9	16.2
8H	15.6	16.2	15.9	16.5	16.8	15.0	15.6	15.3	15.9	16.2
12H	15.6	16.1	15.9	16.4	16.7	14.9	15.5	15.3	15.8	16.1
4H 2H	15.8	16.5	16.1	16.7	17.0	15.2	15.9	15.5	16.1	16.3
3H	15.6	16.2	16.0	16.5	16.8	15.0	15.6	15.3	15.9	16.2
4H	15.5	16.0	15.9	16.4	16.7	14.9	15.4	15.3	15.8	16.1
6H	15.4	15.9	15.8	16.2	16.6	14.8	15.3	15.2	15.6	16.0
8H	15.4	15.8	15.8	16.2	16.6	14.7	15.2	15.2	15.6	16.0
12H	15.3	15.7	15.7	16.1	16.5	14.7	15.1	15.1	15.5	15.9
8H 4H	15.4	15.8	15.8	16.2	16.6	14.7	15.2	15.2	15.6	16.0
6H	15.2	15.6	15.7	16.0	16.5	14.6	15.0	15.1	15.4	15.9
8H	15.2	15.5	15.7	15.9	16.4	14.6	14.9	15.0	15.3	15.8
12H	15.1	15.4	15.6	15.9	16.4	14.5	14.8	15.0	15.3	15.8
12H 4H	15.3	15.7	15.7	16.1	16.5	14.7	15.1	15.1	15.5	15.9
6H	15.2	15.5	15.7	15.9	16.4	14.6	14.9	15.0	15.3	15.8
8H	15.1	15.4	15.6	15.9	16.4	14.5	14.8	15.0	15.3	15.8
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.7 / - 7.0					+ 2.5 / - 7.2				
1.5H	+ 3.9 / - 4.7					+ 3.5 / - 4.4				
2.0H	+ 4.8 / -10.6					+ 4.4 / -10.8				

CIE Pub.117, 927.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.3)
Area: 0.00332 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

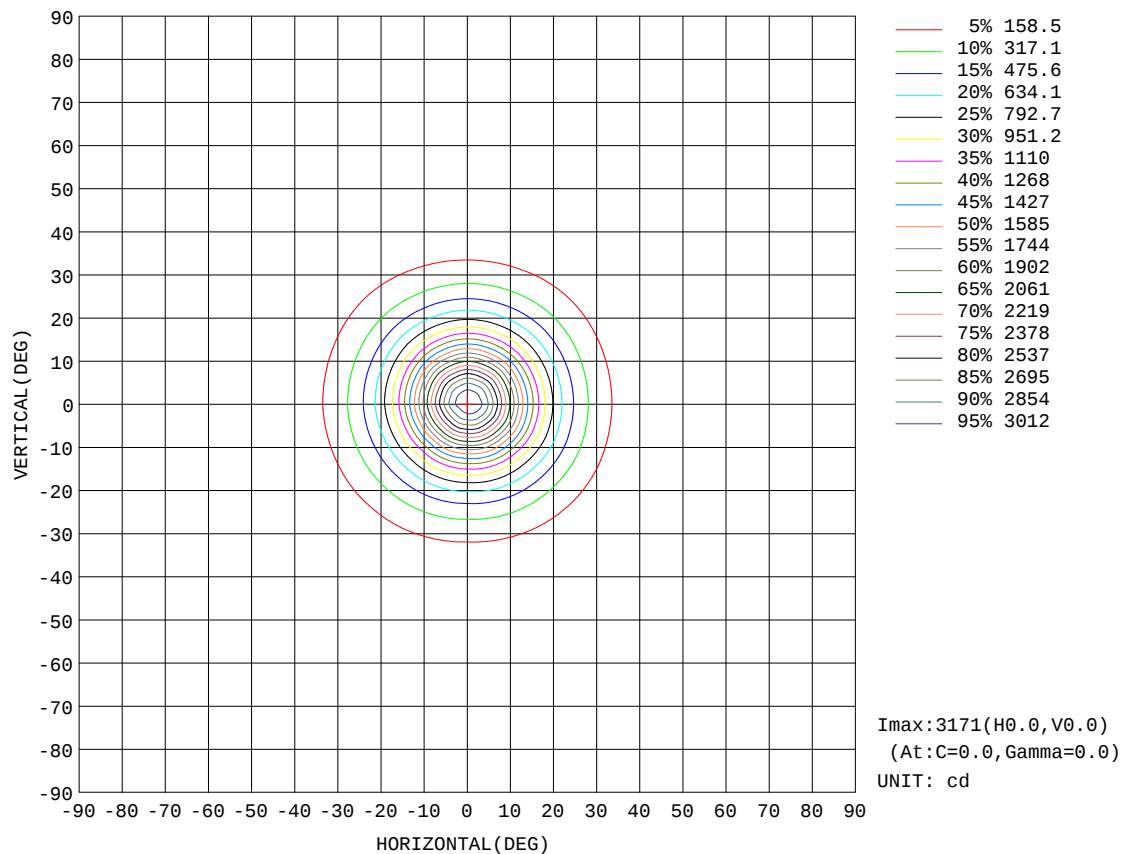
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	92	88	84	81
1.00	99	93	90	98	93	90	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	113	111	109	111	109	107	107	106	104	97
5.00	115	112	111	112	110	109	108	107	106	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:2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

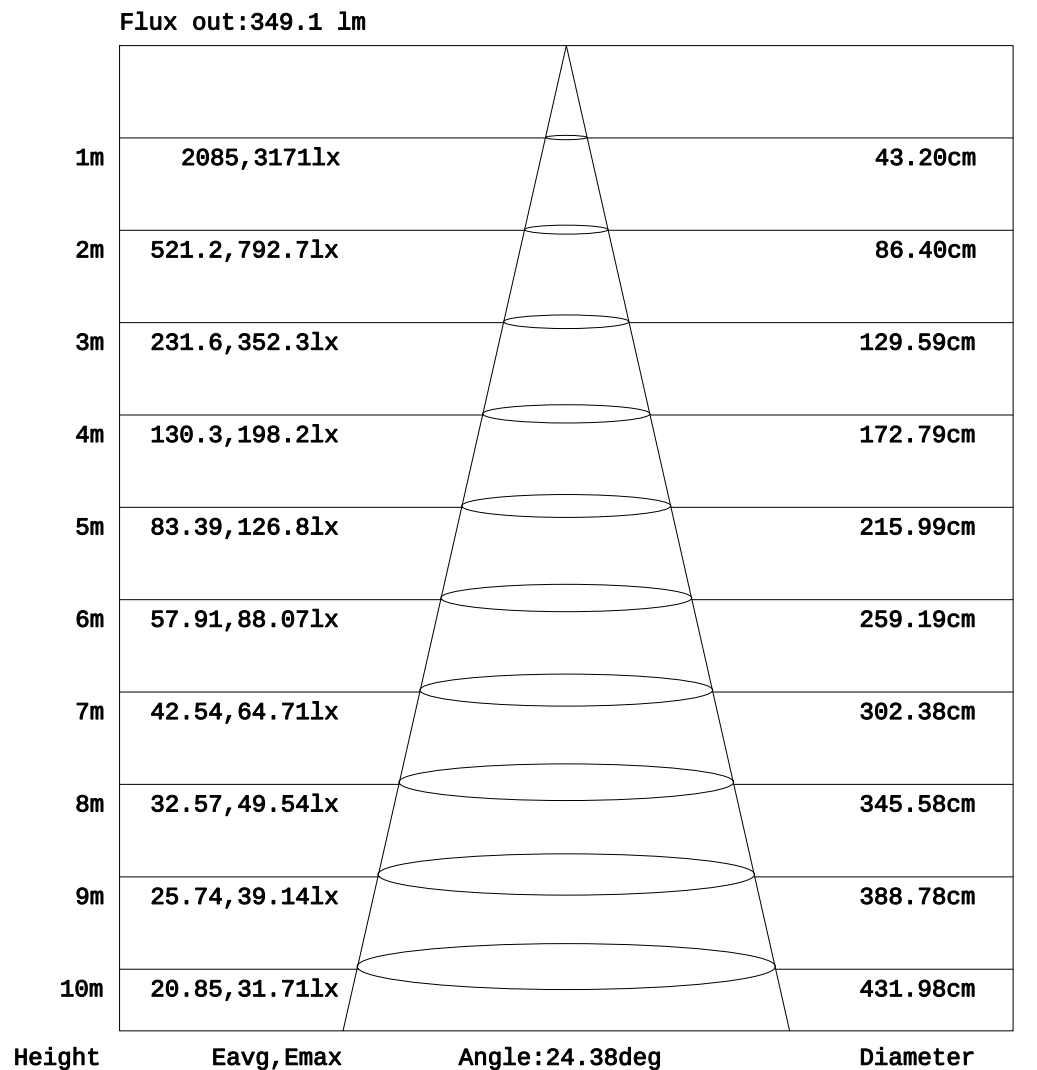


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



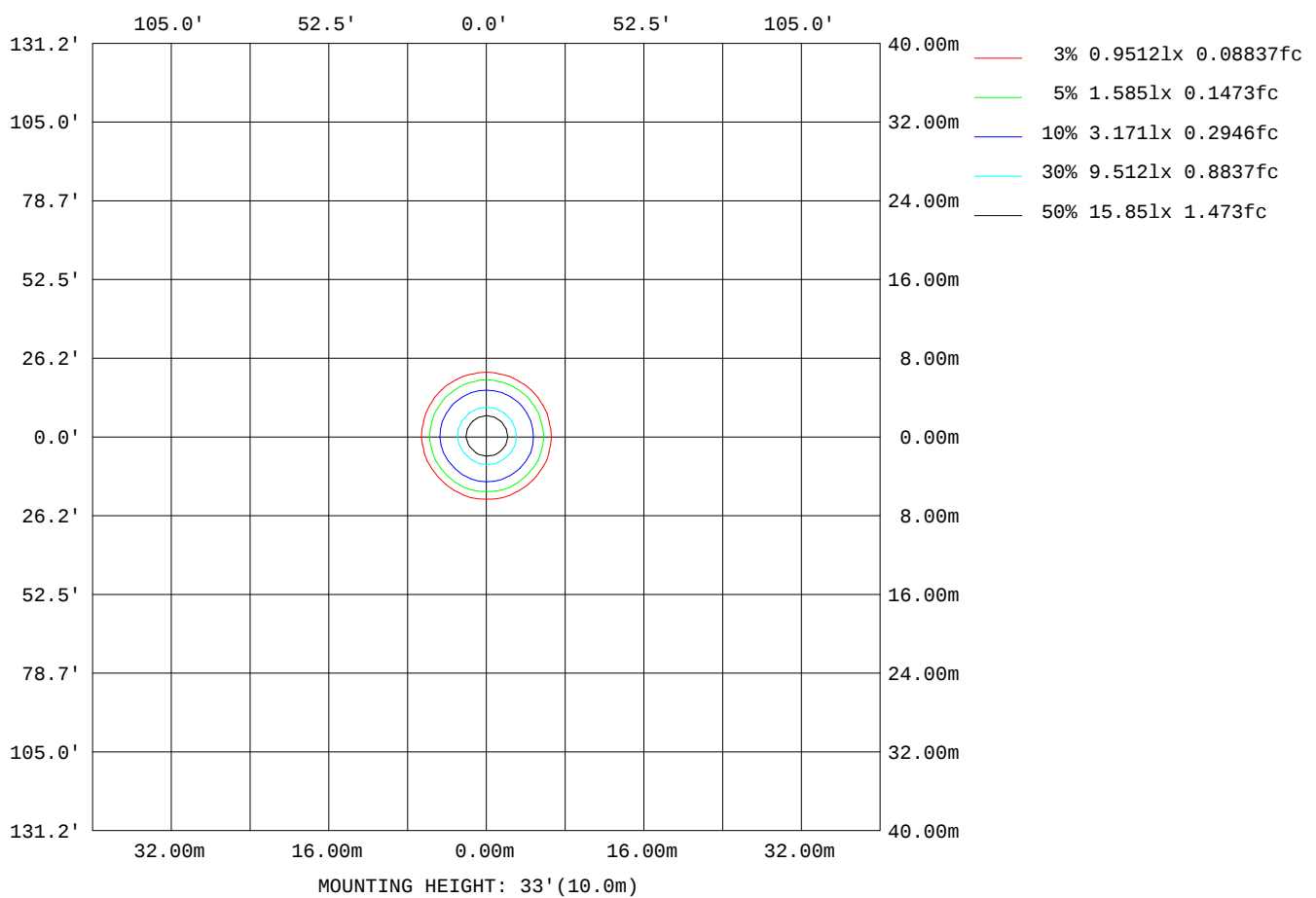
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

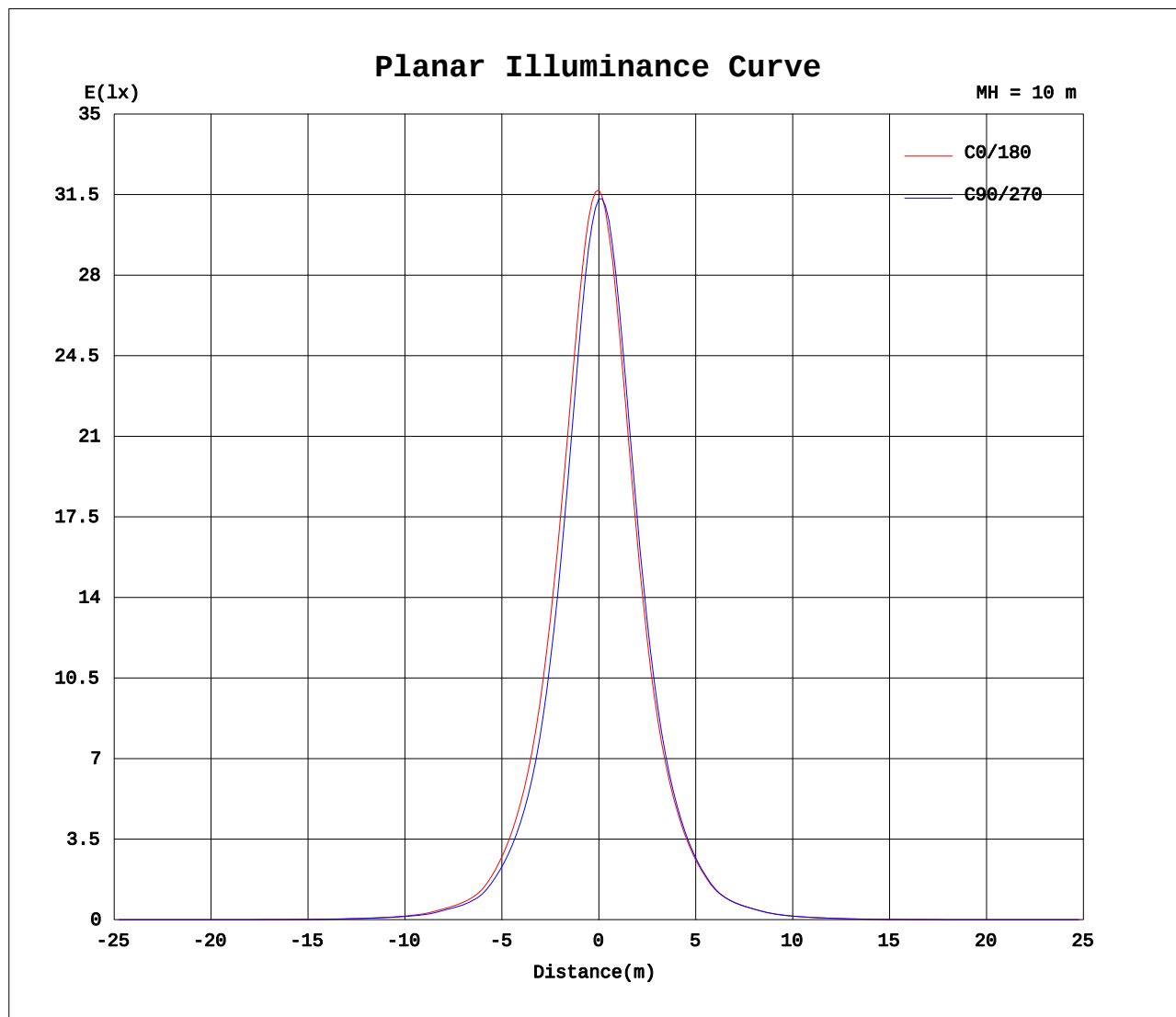
AvgL	cd/m2
L_0~180(65)av	683
L_0~180(75)av	22
L_0~180(85)av	0
L_90~270(65)av	592
L_90~270(75)av	11
L_90~270(85)av	0
L_45(65)av	671
L_45(75)av	7
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-06-02

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: 2025-06-02

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:231.06V I:0.0591A P:13.250W PF:0.9700 Freq:49.99Hz Lamp Flux:927.074x1 lm																	
NAME: DL3017-BKTC12C02									TYPE:						WEIGHT:		
SPEC.: black RA90 3000K+5000K									DIM.:						SERIAL No.:		
MFR.:									SUR.: 65mm						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	3171	3153	3142	3136	3131	3125	3124	3124	3171	3153	3142	3136	3131	3125	3124	3124			
5	2836	2807	2740	2711	2660	2662	2644	2681	2755	2755	2796	2801	2839	2831	2853	2827			
10	2043	2013	1932	1888	1823	1822	1810	1861	1942	1959	2011	2012	2052	2044	2071	2046			
15	1305	1277	1212	1164	1111	1105	1104	1144	1207	1232	1263	1268	1288	1289	1309	1303			
20	780	764	717	685	652	654	656	683	727	738	756	753	763	765	779	777			
25	457	447	420	402	385	387	389	406	432	436	444	441	448	448	456	454			
30	243	237	221	213	205	208	211	221	236	235	240	239	244	244	249	245			
35	139	133	127	123	119	119	121	128	137	138	139	138	136	134	136	138			
40	86.0	83.1	78.8	76.3	72.4	71.8	73.3	77.4	82.8	82.9	85.1	83.9	84.3	84.1	86.9	86.9			
45	46.9	45.1	43.1	42.1	40.7	40.7	41.4	43.3	46.1	46.3	46.8	46.0	46.1	46.3	47.8	47.7			
50	28.1	27.3	26.3	25.8	25.0	24.6	24.6	25.2	26.4	26.4	27.0	26.9	27.3	27.4	28.6	28.6			
55	14.7	14.5	13.8	13.4	12.6	12.1	11.6	11.6	11.8	11.6	12.0	12.2	13.1	13.7	14.7	14.8			
60	6.37	6.41	6.11	5.91	5.37	4.91	4.60	4.56	4.58	4.47	4.58	4.77	5.25	5.64	5.93	6.10			
65	1.19	1.29	1.13	1.05	0.83	0.72	0.78	0.77	0.73	0.81	0.73	0.82	0.83	0.92	1.12	1.15			
70	0.38	0.35	0.39	0.34	0.35	0.31	0.38	0.35	0.30	0.34	0.28	0.34	0.33	0.37	0.31	0.36			
75	0.04	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02			
80	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			
85	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			
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.01	0.00			
105	0.00	0.03	0.00	0.03	0.00	0.03	0.00	0.03	0.07	0.01	0.06	0.01	0.06	0.00	0.06	0.01			
110	0.05	0.09	0.05	0.10	0.05	0.10	0.05	0.10	0.16	0.13	0.14	0.08	0.13	0.08	0.13	0.08			
115	0.16	0.21	0.16	0.22	0.17	0.22	0.19	0.23	0.30	0.25	0.27	0.22	0.26	0.21	0.26	0.22			
120	0.36	0.41	0.37	0.41	0.37	0.42	0.38	0.44	0.54	0.47	0.49	0.42	0.46	0.41	0.46	0.43			
125	0.69	0.73	0.71	0.74	0.70	0.75	0.72	0.78	0.91	0.83	0.83	0.75	0.78	0.72	0.79	0.77			
130	1.20	1.24	1.22	1.26	1.24	1.28	1.27	1.31	1.49	1.40	1.37	1.29	1.29	1.23	1.30	1.30			
135	1.95	2.00	2.01	2.04	2.04	2.08	2.08	2.09	2.37	2.26	2.20	2.08	2.06	2.02	2.08	2.11			
140	3.09	3.12	3.16	3.20	3.23	3.26	3.28	3.27	3.66	3.53	3.43	3.29	3.24	3.20	3.25	3.30			
145	4.62	4.64	4.70	4.78	4.88	4.87	4.89	4.87	5.37	5.22	5.08	4.92	4.84	4.78	4.81	4.88			
150	6.54	6.54	6.63	6.75	6.90	6.88	6.90	6.89	7.48	7.29	7.12	6.97	6.83	6.79	6.74	6.81			
155	8.76	8.75	8.85	9.07	9.30	9.24	9.21	9.22	9.89	9.60	9.46	9.38	9.25	9.12	8.99	9.03			
160	11.1	11.0	11.0	11.4	11.7	11.6	11.5	11.6	12.2	11.9	11.8	11.8	11.8	11.5	11.3	11.2			
165	12.9	12.8	12.8	13.2	13.5	13.4	13.4	13.5	14.0	13.7	13.6	13.7	13.8	13.5	13.1	13.0			
170	13.9	13.9	13.8	14.1	14.2	14.3	14.4	14.7	14.8	14.7	14.5	14.2	14.3	14.1	14.0	14.0			
175	14.3	14.3	14.3	14.2	14.0	14.2	14.7	14.9	14.8	14.9	14.9	14.4	14.1	14.2	14.4	14.3			
180	14.9	14.9	15.1	14.6	14.6	14.5	15.1	14.8	15.0	14.8	15.1	14.6	14.6	14.5	15.0	14.8			

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