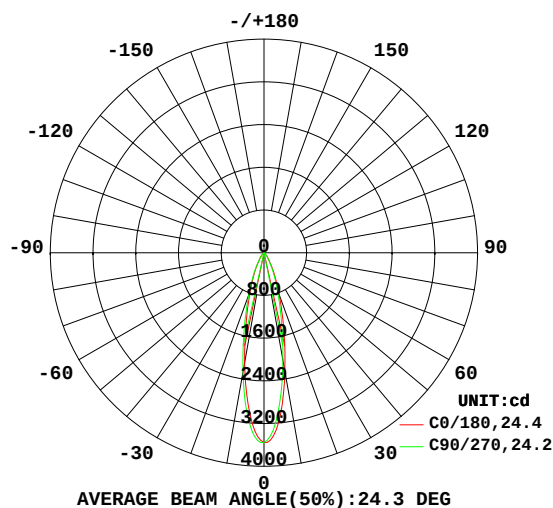


LUMINAIRE PHOTOMETRIC TEST REPORT

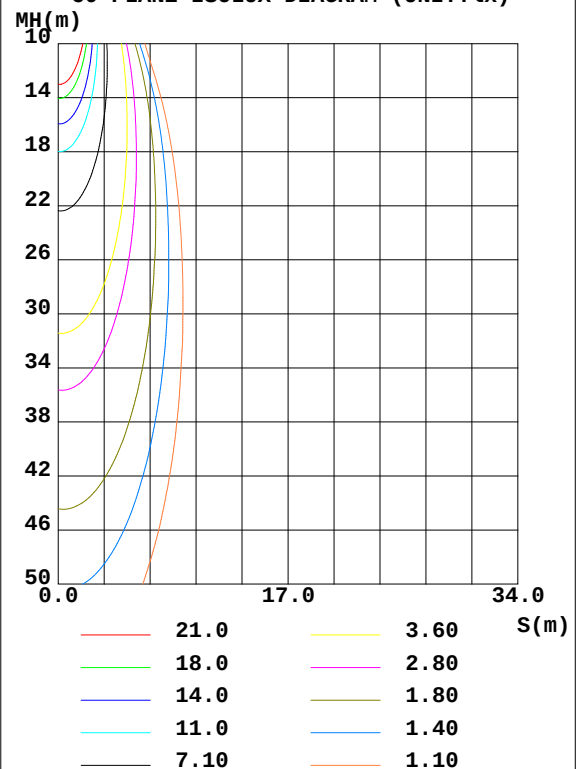
Test:U:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.36 lm/W			
MODEL	TB15111204 4000K	I _{max} (cd)	3573	S/MH(C0/180)	0.40
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1015.0	η UP, DN(C0-180)	0.8, 47.8
NOMINAL FLUX(lm)	1015.04	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 50.6
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:

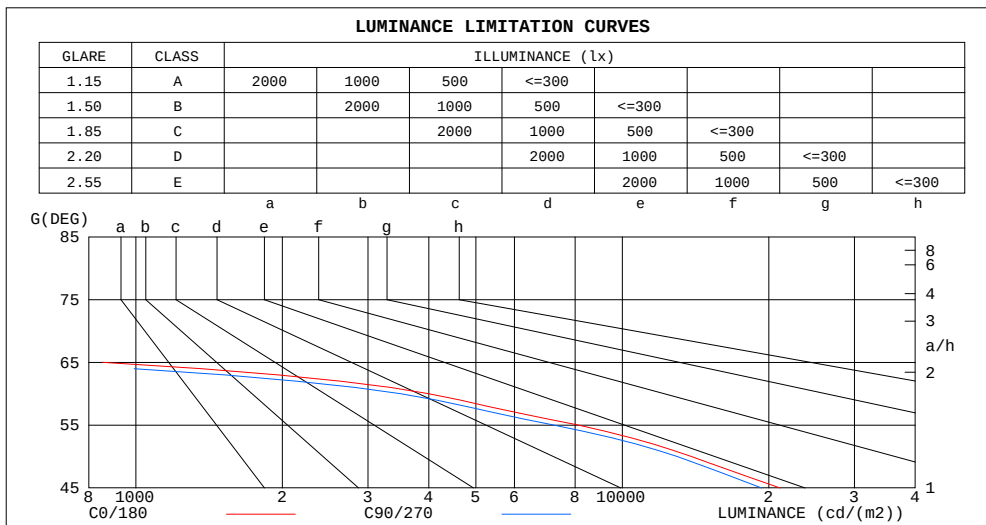
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2260	2153	2046	2013	2090	2179	2274	2338	0- 10	265.5	265.5	26.2, 26.2
20	833.7	777.6	726.5	721.1	755.7	788.4	831.2	869.2	10- 20	371.6	637.0	62.8, 62.8
30	258.8	238.6	228.2	229.3	240.2	246.3	264.8	279.7	20- 30	214.8	851.8	83.9, 83.9
40	91.25	84.51	80.95	80.48	83.93	86.93	91.74	98.05	30- 40	92.53	944.3	93, 93
50	29.57	28.15	27.63	27.05	27.35	28.07	29.63	31.96	40- 50	39.01	983.3	96.9, 96.9
60	6.633	6.426	5.810	5.098	4.910	4.956	5.691	6.412	50- 60	13.47	996.8	98.2, 98.2
70	0.4183	0.4092	0.3863	0.4230	0.3164	0.3029	0.3624	0.3488	60- 70	1.733	998.5	98.4, 98.4
80	0	0	0	0	0	0	0	0	70- 80	0.1040	998.6	98.4, 98.4
90	0	0	0	0	0	0	0	0	80- 90	0	998.6	98.4, 98.4
100	0	0	0	0	0.0277	0.0230	0.0139	0.0139	90-100	0.0009	998.6	98.4, 98.4
110	0.0504	0.0505	0.0596	0.0687	0.1703	0.1564	0.1518	0.1473	100-110	0.0426	998.7	98.4, 98.4
120	0.3670	0.3716	0.4127	0.4312	0.5658	0.5381	0.5151	0.5150	110-120	0.2530	998.9	98.4, 98.4
130	1.234	1.275	1.344	1.413	1.587	1.490	1.430	1.426	120-130	0.7644	999.7	98.5, 98.5
140	3.263	3.350	3.524	3.653	3.955	3.748	3.582	3.564	130-140	1.791	1001	98.7, 98.7
150	6.987	7.120	7.561	7.680	8.137	7.829	7.558	7.447	140-150	3.347	1005	99, 99
160	11.98	12.05	12.89	12.84	13.38	13.02	13.01	12.47	150-160	4.603	1009	99.4, 99.4
170	15.22	15.18	15.65	16.02	16.15	15.92	15.81	15.50	160-170	4.088	1014	99.9, 99.9
180	16.14	16.51	16.01	16.65	16.16	16.52	16.01	16.61	170-180	1.513	1015	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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



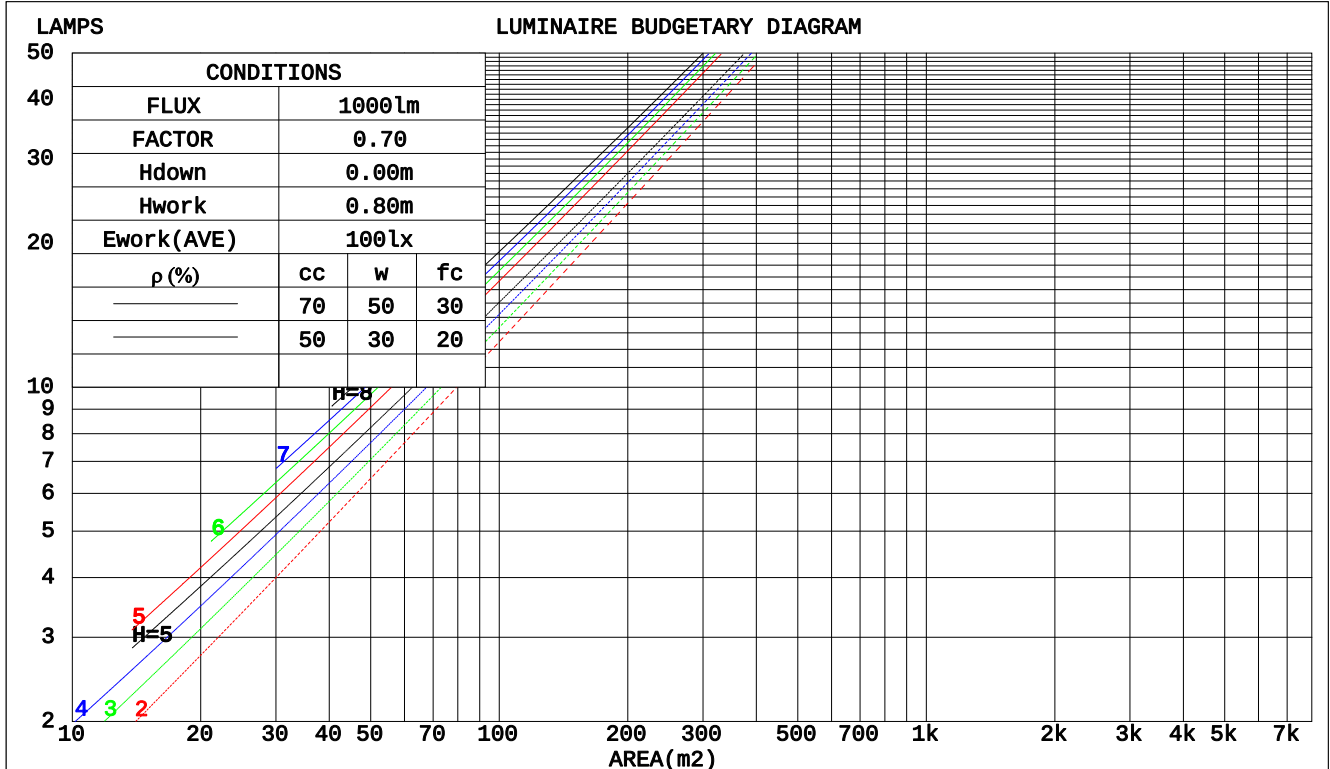
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-02

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 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	1.00	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.90	.93	.90	.88	.90	.88	.87	.85
4.0	.95	.90	.86	.93	.89	.86	.91	.88	.85	.89	.86	.84	.87	.85	.83	.81
5.0	.90	.85	.82	.89	.85	.81	.87	.83	.80	.86	.82	.80	.84	.81	.79	.78
6.0	.86	.81	.78	.85	.81	.77	.84	.80	.77	.82	.79	.76	.81	.78	.76	.74
7.0	.82	.78	.74	.82	.77	.74	.80	.76	.73	.79	.76	.73	.78	.75	.72	.71
8.0	.79	.74	.71	.79	.74	.71	.77	.73	.70	.76	.73	.70	.75	.72	.70	.68
9.0	.76	.71	.68	.76	.71	.68	.75	.70	.68	.74	.70	.67	.73	.69	.67	.66
10.0	.73	.69	.65	.73	.68	.65	.72	.68	.65	.71	.68	.65	.70	.67	.65	.64



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
 γ 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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm									
NAME: DL3017-BKTC12C02					TYPE:			WEIGHT:	
SPEC.: black RA90 3000K+5000K					DIM.:			SERIAL No.:	
MFR.:					SUR.: 65mm			Shielding Angle:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.155	.088	.028	.148	.084	.027	.134	.077	.025	.122	.070	.023	.111	.064	.021	
2.0	.146	.080	.025	.140	.077	.024	.129	.072	.022	.118	.066	.021	.109	.062	.019	
3.0	.138	.073	.022	.132	.071	.021	.123	.067	.020	.114	.063	.019	.106	.059	.018	
4.0	.130	.068	.020	.126	.066	.019	.117	.062	.019	.110	.059	.018	.103	.056	.017	
5.0	.123	.063	.018	.119	.061	.018	.112	.058	.017	.106	.056	.017	.099	.053	.016	
6.0	.117	.059	.017	.114	.057	.017	.107	.055	.016	.102	.053	.016	.096	.051	.015	
7.0	.111	.055	.016	.108	.054	.015	.103	.052	.015	.098	.050	.015	.093	.048	.014	
8.0	.106	.052	.015	.104	.051	.014	.099	.049	.014	.094	.048	.014	.090	.046	.013	
9.0	.101	.049	.014	.099	.048	.014	.095	.047	.013	.091	.045	.013	.087	.044	.013	
10.0	.097	.047	.013	.095	.046	.013	.091	.045	.013	.087	.043	.012	.084	.042	.012	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.106	.130	.109	.092	.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	.130	.099	.076	.112	.086	.066	.077	.060	.047	.045	.035	.028	.014	.011	.009	
6.0	.122	.089	.066	.105	.077	.057	.072	.054	.041	.042	.032	.024	.014	.010	.008	
7.0	.115	.081	.058	.099	.071	.050	.068	.050	.036	.040	.029	.021	.013	.010	.007	
8.0	.109	.075	.052	.094	.065	.045	.065	.046	.032	.038	.027	.019	.012	.009	.006	
9.0	.103	.069	.047	.089	.060	.041	.062	.042	.029	.036	.025	.017	.012	.008	.006	
10.0	.099	.065	.042	.085	.056	.037	.059	.040	.026	.034	.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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 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	15.8	16.5	16.0	16.7	16.9	15.4	16.1	15.6	16.3	16.5
3H	15.6	16.3	15.9	16.5	16.7	15.2	15.9	15.5	16.1	16.4
4H	15.5	16.2	15.8	16.4	16.7	15.1	15.8	15.4	16.0	16.3
6H	15.4	16.0	15.7	16.3	16.6	15.0	15.7	15.3	15.9	16.2
8H	15.4	16.0	15.7	16.3	16.5	15.0	15.6	15.3	15.9	16.2
12H	15.3	15.9	15.7	16.2	16.5	14.9	15.5	15.3	15.8	16.1
4H 2H	15.6	16.2	15.8	16.5	16.7	15.2	15.9	15.5	16.1	16.3
3H	15.4	16.0	15.7	16.3	16.6	15.0	15.6	15.3	15.9	16.2
4H	15.3	15.8	15.6	16.1	16.5	14.9	15.4	15.3	15.8	16.1
6H	15.2	15.6	15.6	16.0	16.4	14.8	15.3	15.2	15.6	16.0
8H	15.1	15.6	15.5	15.9	16.3	14.7	15.2	15.2	15.6	16.0
12H	15.1	15.5	15.5	15.9	16.3	14.7	15.1	15.1	15.5	15.9
8H 4H	15.1	15.6	15.5	15.9	16.3	14.7	15.2	15.2	15.6	16.0
6H	15.0	15.4	15.5	15.8	16.2	14.6	15.0	15.1	15.4	15.9
8H	14.9	15.3	15.4	15.7	16.2	14.6	14.9	15.0	15.3	15.8
12H	14.9	15.2	15.4	15.6	16.1	14.5	14.8	15.0	15.3	15.8
12H 4H	15.1	15.5	15.5	15.9	16.3	14.7	15.1	15.1	15.5	15.9
6H	14.9	15.3	15.4	15.7	16.2	14.6	14.9	15.0	15.3	15.8
8H	14.9	15.2	15.4	15.6	16.1	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 / - 7.1					+ 2.5 / - 7.4				
1.5H	+ 3.9 / - 4.7					+ 3.6 / - 4.6				
2.0H	+ 4.8 / -10.8					+ 4.5 / -11.1				

CIE Pub.117, 1015 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.1)
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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

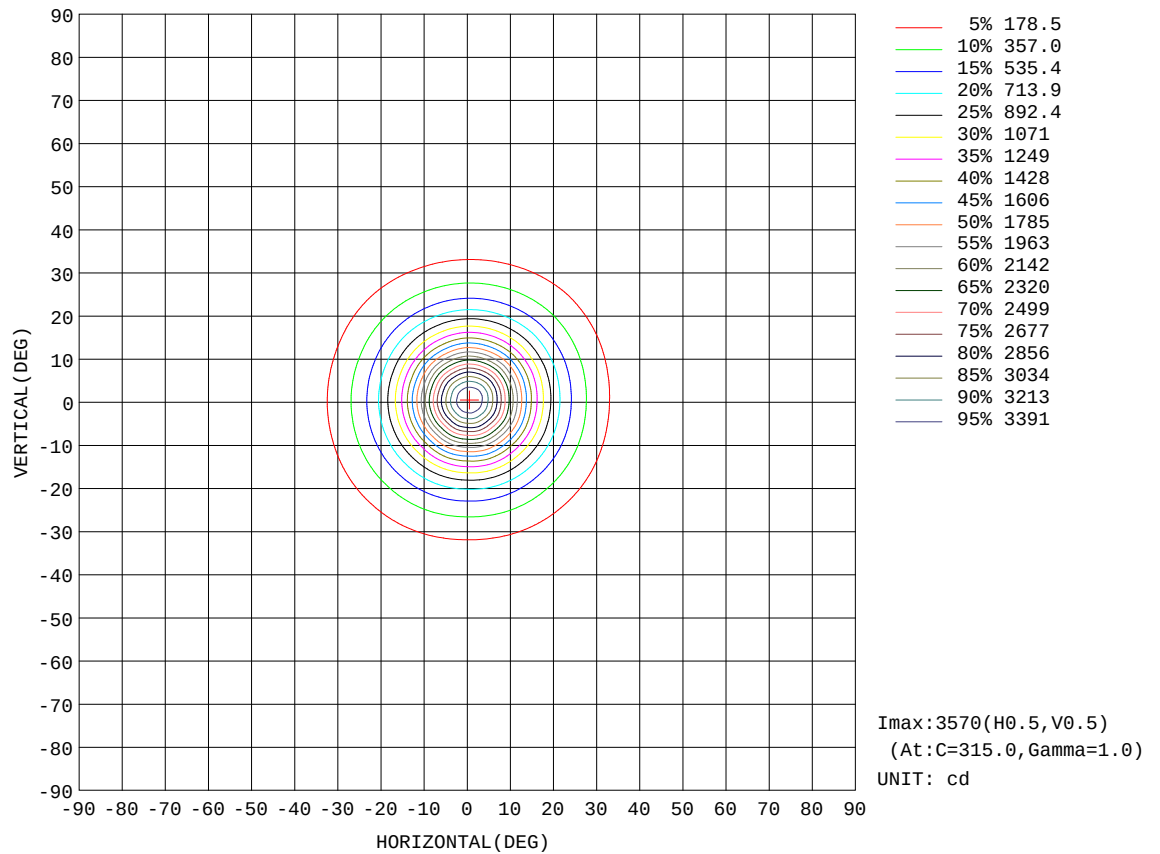
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	94	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	99	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	111	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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

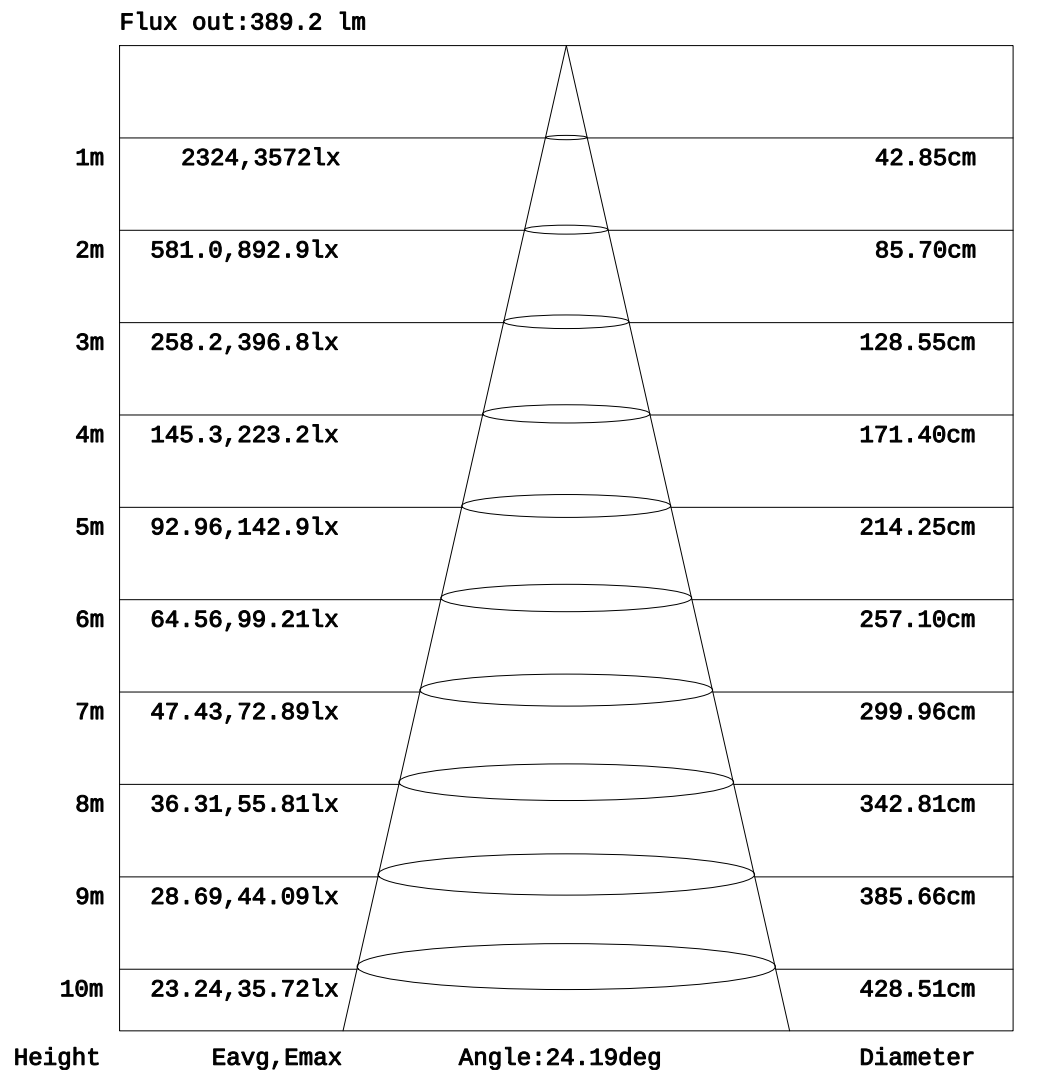


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-02

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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



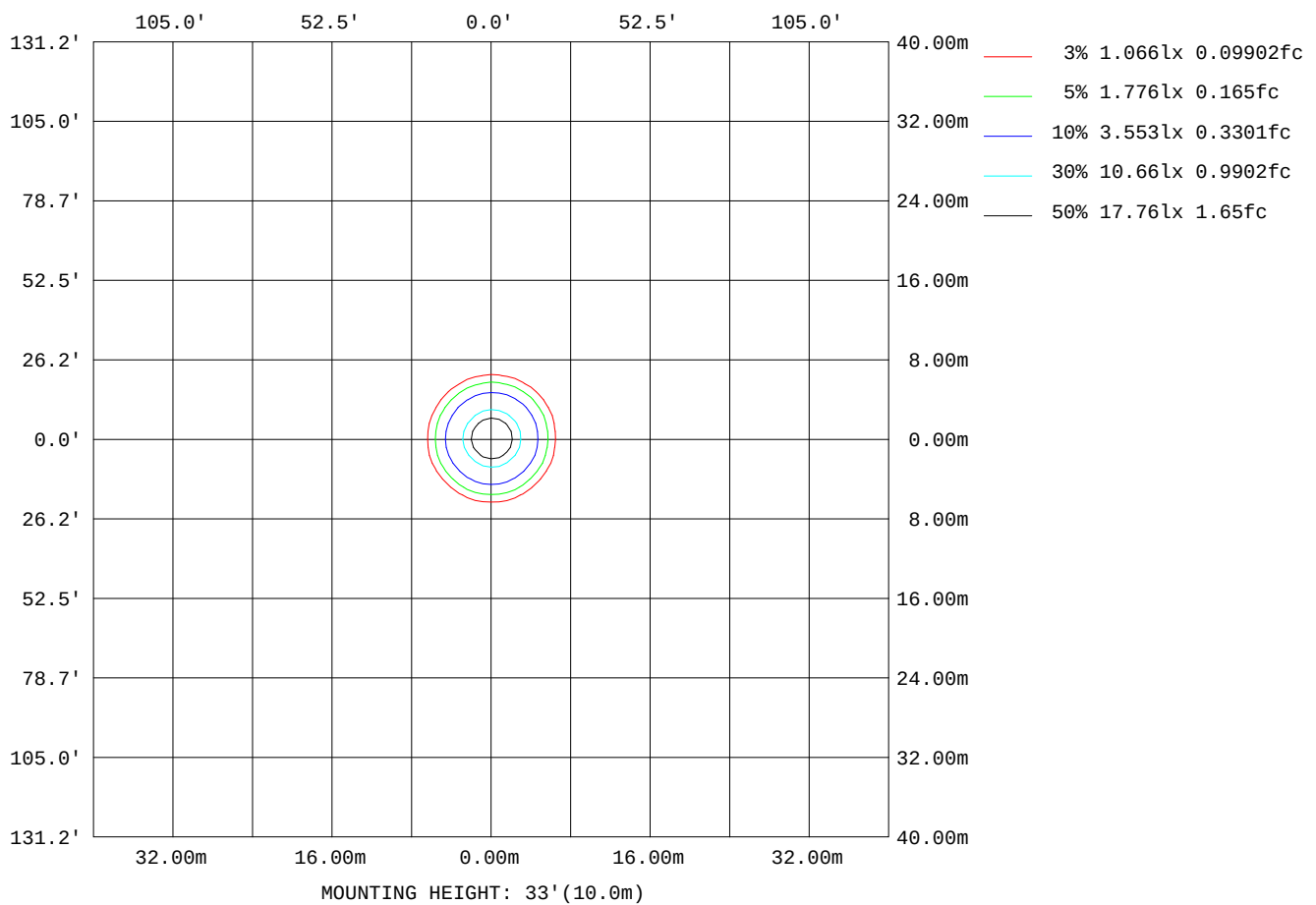
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 lm		
NAME: DL3017-BKTC12C02	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

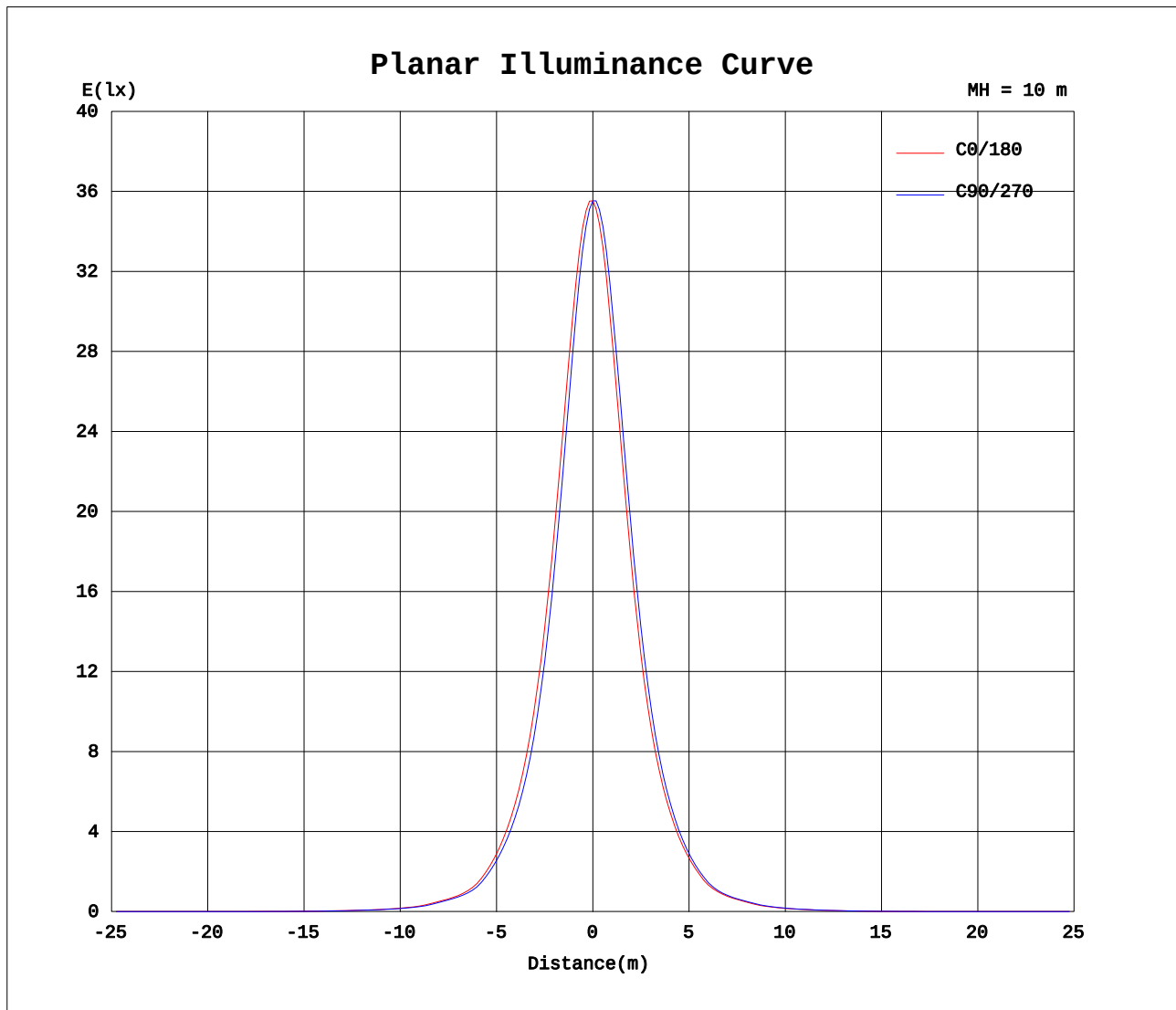
AvgL	cd/m2
L_0~180(65)av	700
L_0~180(75)av	22
L_0~180(85)av	0
L_90~270(65)av	651
L_90~270(75)av	14
L_90~270(85)av	0
L_45(65)av	712
L_45(75)av	11
L_45(85)av	0

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:231.05V I:0.0571A P:12.790W PF:0.9703 Freq:49.99Hz Lamp Flux:1015.04x1 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	3553	3552	3554	3557	3553	3560	3561	3564	3553	3552	3554	3557	3553	3560	3561	3564			
5	3180	3157	3096	3062	3012	3002	2982	3002	3028	3048	3112	3137	3191	3216	3245	3229			
10	2260	2237	2153	2117	2046	2042	2013	2050	2090	2109	2179	2206	2274	2298	2338	2313			
15	1404	1385	1330	1291	1242	1230	1217	1242	1273	1295	1336	1360	1413	1431	1466	1446			
20	834	815	778	755	727	727	721	737	756	766	788	804	831	851	869	861			
25	485	472	451	441	427	428	426	434	445	447	459	467	484	496	509	503			
30	259	250	239	235	228	230	229	236	240	239	246	252	265	269	280	273			
35	146	141	138	136	133	133	134	137	139	139	142	145	148	150	155	153			
40	91.3	87.6	84.5	83.9	81.0	80.2	80.5	82.8	83.9	83.5	86.9	88.7	91.7	94.0	98.1	97.3			
45	49.5	47.4	46.1	46.0	45.4	45.5	45.6	46.5	47.0	46.9	48.0	48.7	50.1	51.7	53.8	53.2			
50	29.6	28.8	28.1	28.1	27.6	27.4	27.1	27.2	27.3	27.2	28.1	28.6	29.6	30.4	32.0	31.7			
55	15.5	15.3	14.7	14.5	13.8	13.3	12.8	12.7	12.5	12.3	12.8	13.2	14.3	15.0	16.1	16.3			
60	6.63	6.70	6.43	6.29	5.81	5.45	5.10	5.06	4.91	4.80	4.96	5.20	5.69	6.11	6.41	6.59			
65	1.20	1.29	1.16	1.10	0.92	0.81	0.86	0.83	0.76	0.83	0.77	0.88	0.91	0.99	1.20	1.24			
70	0.42	0.38	0.41	0.37	0.39	0.35	0.42	0.39	0.32	0.36	0.30	0.37	0.36	0.41	0.35	0.40			
75	0.04	0.00	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03			
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	0.03	0.00	0.02	0.00	0.01	0.00	0.01	0.00			
105	0.00	0.02	0.00	0.04	0.00	0.03	0.00	0.04	0.08	0.04	0.07	0.02	0.07	0.01	0.07	0.01			
110	0.05	0.09	0.05	0.10	0.06	0.11	0.07	0.12	0.17	0.13	0.16	0.12	0.15	0.11	0.15	0.11			
115	0.16	0.21	0.17	0.23	0.20	0.24	0.20	0.26	0.32	0.27	0.30	0.26	0.29	0.24	0.29	0.25			
120	0.37	0.41	0.37	0.44	0.41	0.46	0.43	0.48	0.57	0.50	0.54	0.48	0.52	0.46	0.52	0.48			
125	0.70	0.75	0.72	0.78	0.77	0.83	0.81	0.86	0.97	0.89	0.90	0.85	0.86	0.82	0.86	0.83			
130	1.23	1.28	1.28	1.33	1.34	1.41	1.41	1.45	1.59	1.50	1.49	1.42	1.43	1.38	1.43	1.41			
135	2.04	2.08	2.10	2.17	2.23	2.29	2.32	2.33	2.56	2.46	2.40	2.31	2.29	2.25	2.29	2.28			
140	3.26	3.27	3.35	3.43	3.52	3.59	3.65	3.65	3.95	3.85	3.75	3.65	3.58	3.57	3.56	3.58			
145	4.91	4.91	5.02	5.15	5.33	5.38	5.46	5.43	5.82	5.71	5.56	5.45	5.36	5.31	5.30	5.32			
150	6.99	6.97	7.12	7.31	7.56	7.61	7.68	7.68	8.14	7.99	7.83	7.73	7.56	7.52	7.45	7.47			
155	9.42	9.39	9.57	9.86	10.2	10.2	10.3	10.3	10.8	10.6	10.4	10.4	10.2	10.1	9.93	9.93			
160	12.0	11.9	12.1	12.5	12.9	12.9	12.8	13.0	13.4	13.1	13.0	13.1	13.0	12.8	12.5	12.4			
165	14.1	14.0	14.1	14.6	14.9	14.9	15.0	15.1	15.3	15.1	15.0	15.2	15.3	15.0	14.5	14.4			
170	15.2	15.2	15.2	15.6	15.7	15.8	16.0	16.4	16.2	16.2	15.9	15.8	15.8	15.7	15.5	15.6			
175	15.6	15.6	15.7	15.6	15.5	15.7	16.3	16.5	16.0	16.3	16.3	15.9	15.5	15.7	16.0	15.8			
180	16.1	16.2	16.5	16.1	16.0	16.0	16.6	16.3	16.2	16.2	16.5	16.1	16.0	15.9	16.6	16.3			

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