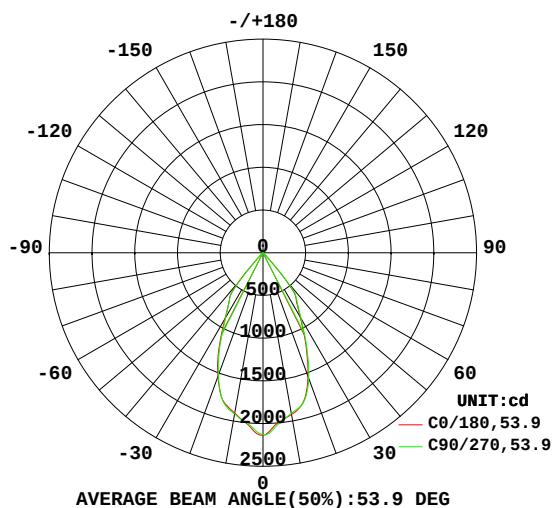


LUMINAIRE PHOTOMETRIC TEST REPORT

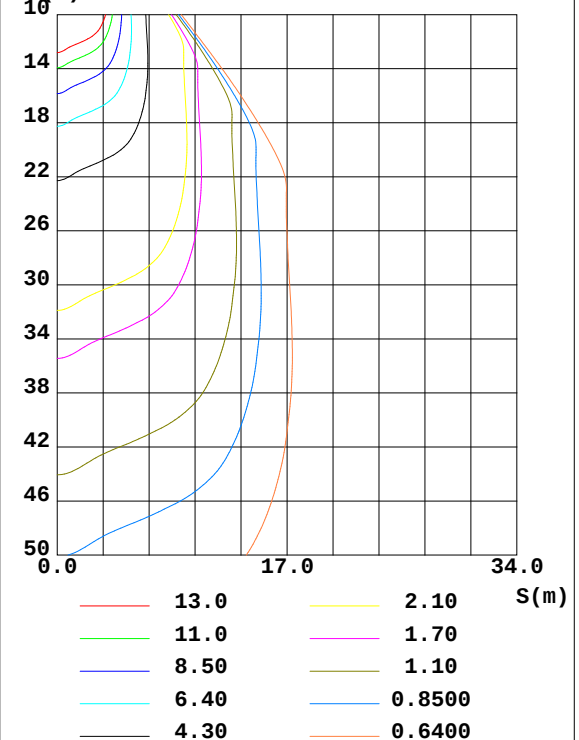
Test:U:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.48 lm/W			
MODEL	TBG-1510E 5000K	I _{max} (cd)	2135	S/MH(C0/180)	0.84
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.84
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1806.5	η UP, DN(C0-180)	0.8, 49.6
NOMINAL FLUX(lm)	1806.45	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 48.8
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	0.95

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:

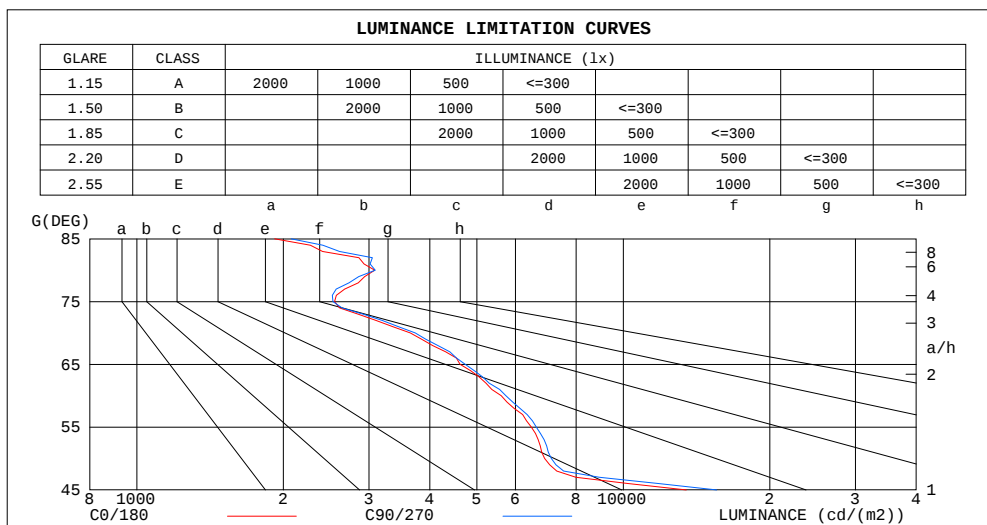
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1921	1913	1908	1914	1908	1914	1916	1921	0- 10	189.1	189.1	10.5,10.5
20	1540	1566	1565	1540	1543	1531	1525	1530	10- 20	498.1	687.2	38,38
30	872.7	889.1	894.6	883.5	887.8	880.8	873.7	870.5	20- 30	547.7	1235	68.4,68.4
40	405.0	425.7	440.6	437.5	434.9	399.6	394.1	401.5	30- 40	426.1	1661	91.9,91.9
50	23.96	24.07	24.73	25.12	24.91	23.96	23.54	23.80	40- 50	82.59	1744	96.5,96.5
60	15.17	14.96	15.51	15.40	15.35	14.63	14.79	14.83	50- 60	17.83	1761	97.5,97.5
70	6.751	6.747	6.912	6.666	6.752	6.363	6.523	6.643	60- 70	10.55	1772	98.1,98.1
80	2.896	2.982	2.904	2.771	2.761	2.583	2.601	2.664	70- 80	4.206	1776	98.3,98.3
90	0.0276	0.0185	0.0276	0.0230	0.0414	0.0369	0.0414	0.0368	80- 90	1.199	1777	98.4,98.4
100	0.0505	0.0504	0.0458	0.0505	0.1381	0.1335	0.1381	0.1335	90-100	0.0539	1777	98.4,98.4
110	0.4035	0.3717	0.3716	0.3670	0.5381	0.5427	0.5474	0.5427	100-110	0.2563	1778	98.4,98.4
120	1.326	1.285	1.275	1.271	1.564	1.591	1.610	1.587	110-120	0.8612	1779	98.5,98.5
130	3.822	3.730	3.703	3.703	4.148	4.240	4.268	4.204	120-130	2.233	1781	98.6,98.6
140	8.267	8.097	8.075	8.180	8.766	8.817	8.711	8.661	130-140	4.687	1785	98.8,98.8
150	13.02	12.67	13.10	12.88	13.69	13.74	13.76	13.52	140-150	6.754	1792	99.2,99.2
160	16.76	16.30	17.00	16.63	17.52	17.47	17.95	17.19	150-160	7.010	1799	99.6,99.6
170	19.72	19.58	19.86	20.12	20.35	20.32	20.14	19.79	160-170	5.216	1804	99.9,99.9
180	22.47	22.81	22.34	22.61	22.50	22.84	22.34	22.60	170-180	2.003	1806	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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1919	2075
80	3082	3091
75	2549	2530
70	3649	3735
65	4618	4730
60	5609	5734
55	6468	6624
50	6890	7112
45	13467	15561

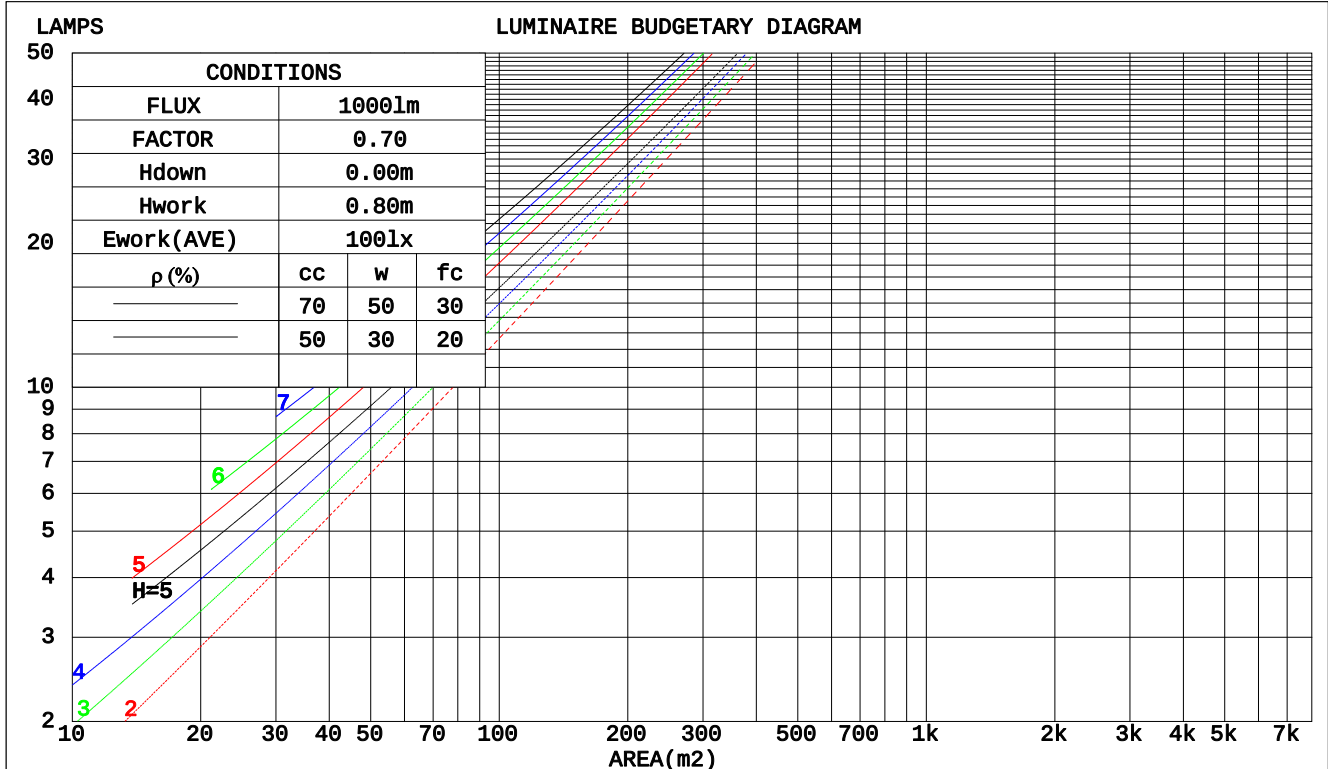
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	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	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	.90	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.95	1.01	.97	.94	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.90	.86	.94	.89	.86	.91	.87	.84	.88	.85	.83	.86	.83	.81	.79
4.0	.89	.84	.79	.88	.83	.79	.85	.81	.78	.83	.80	.77	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.77	.73	.80	.76	.72	.78	.74	.71	.77	.73	.70	.69
6.0	.78	.72	.68	.77	.72	.68	.76	.71	.67	.74	.70	.66	.73	.69	.66	.64
7.0	.73	.67	.63	.73	.67	.63	.71	.66	.62	.70	.65	.62	.69	.65	.62	.60
8.0	.69	.63	.59	.69	.63	.59	.67	.62	.58	.66	.62	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.64	.58	.55	.63	.58	.55	.62	.57	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.59	.54	.51	.50



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
 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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm					
NAME: DL2092-BKTC20C01			TYPE:		WEIGHT:
SPEC.: black RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 83mm		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	.181	.103	.033	.173	.099	.031	.160	.092	.029	.147	.085	.027	.136	.079	.025	
2.0	.173	.095	.029	.167	.092	.028	.155	.086	.027	.145	.081	.025	.135	.076	.024	
3.0	.165	.088	.026	.159	.085	.026	.149	.081	.025	.140	.077	.024	.132	.073	.023	
4.0	.157	.081	.024	.152	.080	.024	.144	.076	.023	.136	.073	.022	.128	.070	.021	
5.0	.149	.076	.022	.145	.075	.022	.138	.072	.021	.131	.069	.021	.124	.066	.020	
6.0	.143	.071	.020	.139	.070	.020	.132	.068	.020	.126	.066	.019	.120	.063	.019	
7.0	.136	.067	.019	.133	.066	.019	.127	.064	.019	.122	.062	.018	.116	.060	.018	
8.0	.130	.064	.018	.128	.063	.018	.122	.061	.017	.117	.059	.017	.112	.058	.017	
9.0	.125	.060	.017	.122	.060	.017	.118	.058	.016	.113	.057	.016	.109	.055	.016	
10.0	.120	.057	.016	.118	.057	.016	.113	.055	.016	.109	.054	.015	.105	.053	.015	

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	.184	.170	.157	.157	.146	.135	.108	.100	.093	.062	.058	.054	.020	.019	.018	
2.0	.169	.145	.125	.145	.125	.108	.099	.086	.075	.057	.050	.044	.018	.016	.014	
3.0	.157	.126	.102	.134	.109	.088	.092	.076	.062	.053	.044	.036	.017	.014	.012	
4.0	.147	.111	.085	.126	.096	.074	.087	.067	.052	.050	.039	.031	.016	.013	.010	
5.0	.138	.100	.072	.119	.087	.062	.082	.060	.044	.047	.035	.026	.015	.012	.009	
6.0	.131	.091	.062	.112	.079	.054	.078	.055	.038	.045	.032	.023	.015	.011	.008	
7.0	.124	.083	.054	.107	.072	.047	.074	.051	.034	.043	.030	.020	.014	.010	.007	
8.0	.119	.077	.048	.102	.067	.042	.071	.047	.030	.041	.028	.018	.013	.009	.006	
9.0	.114	.072	.044	.098	.062	.038	.068	.044	.027	.040	.026	.016	.013	.009	.005	
10.0	.109	.068	.040	.094	.059	.035	.065	.041	.025	.038	.024	.015	.012	.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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm											
NAME: DL2092-BKTC20C01					TYPE:			WEIGHT:			
SPEC.: black RA90 3000K+5000K					DIM.:			SERIAL No.:			
MFR.:					SUR.: 83mm			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	19.0	19.9	19.2	20.1	20.3	19.2	20.1	19.4	20.3	20.5	
	3H	18.8	19.7	19.1	19.9	20.2	19.0	19.9	19.3	20.1	
	4H	18.7	19.6	19.0	19.8	20.1	18.9	19.8	19.2	20.0	
	6H	18.7	19.4	19.0	19.7	20.0	18.9	19.6	19.2	19.9	
	8H	18.6	19.4	19.0	19.6	19.9	18.8	19.6	19.2	19.8	
	12H	18.6	19.3	18.9	19.6	19.9	18.8	19.5	19.1	19.8	
4H	2H	18.7	19.5	19.0	19.8	20.0	18.9	19.7	19.2	20.0	
	3H	18.6	19.3	18.9	19.6	19.9	18.8	19.5	19.1	19.8	
	4H	18.5	19.1	18.9	19.5	19.8	18.7	19.3	19.1	19.7	
	6H	18.4	19.0	18.8	19.4	19.7	18.6	19.2	19.0	19.5	
	8H	18.4	18.9	18.8	19.3	19.7	18.6	19.1	19.0	19.5	
	12H	18.3	18.8	18.8	19.2	19.6	18.5	19.0	19.0	19.4	
8H	4H	18.4	18.9	18.8	19.3	19.7	18.6	19.1	19.0	19.5	
	6H	18.3	18.7	18.8	19.2	19.6	18.5	18.9	18.9	19.3	
	8H	18.3	18.6	18.7	19.1	19.6	18.5	18.8	18.9	19.3	
	12H	18.2	18.5	18.7	19.0	19.5	18.4	18.7	18.9	19.2	
12H	4H	18.3	18.8	18.8	19.2	19.6	18.5	19.0	18.9	19.4	
	6H	18.3	18.6	18.7	19.1	19.5	18.4	18.8	18.9	19.3	
	8H	18.2	18.5	18.7	19.0	19.5	18.4	18.7	18.9	19.2	
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.1 / -10.3					+ 3.1 / -10.5					
1.5H	+ 5.9 / - 9.8					+ 5.8 / - 9.9					
2.0H	+ 2.7 / - 0.9					+ 3.3 / - 1.1					

CIE Pub.117, 1806 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.1)
Area: 0.00541 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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

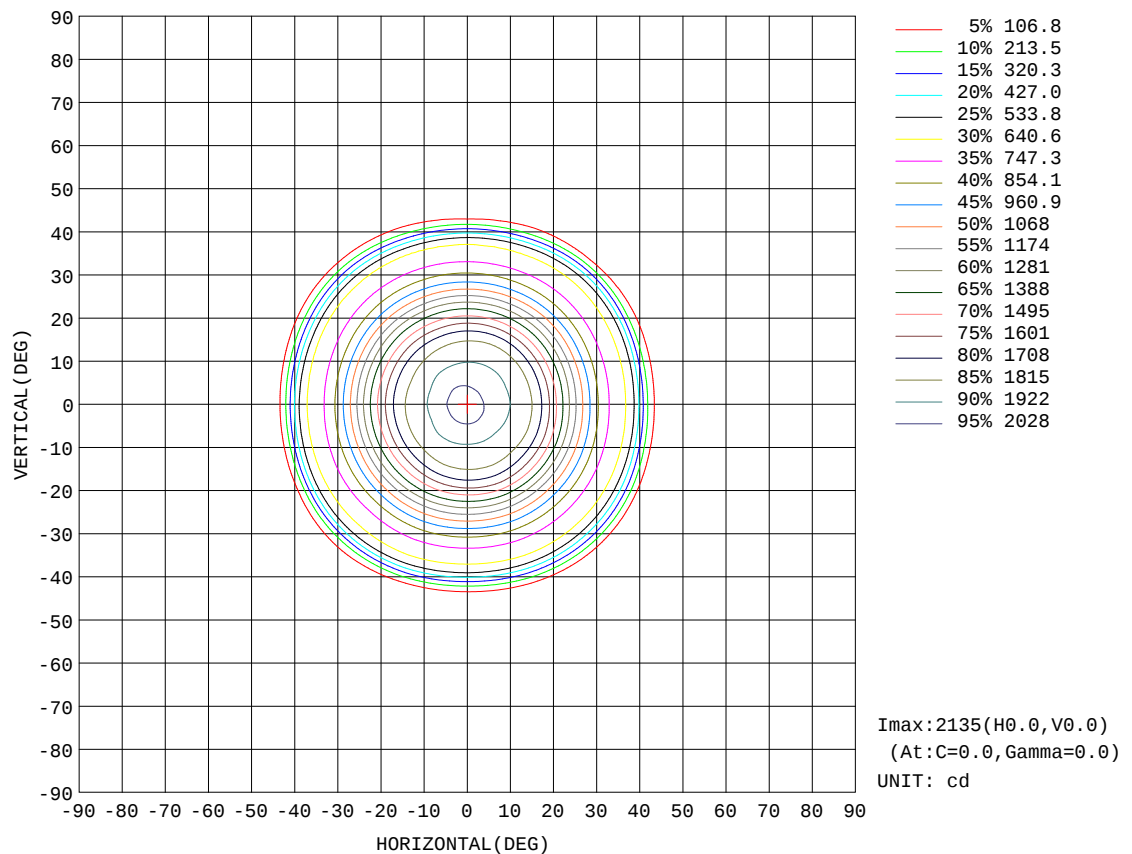
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	97	101	98	95	91
2.00	108	104	101	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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

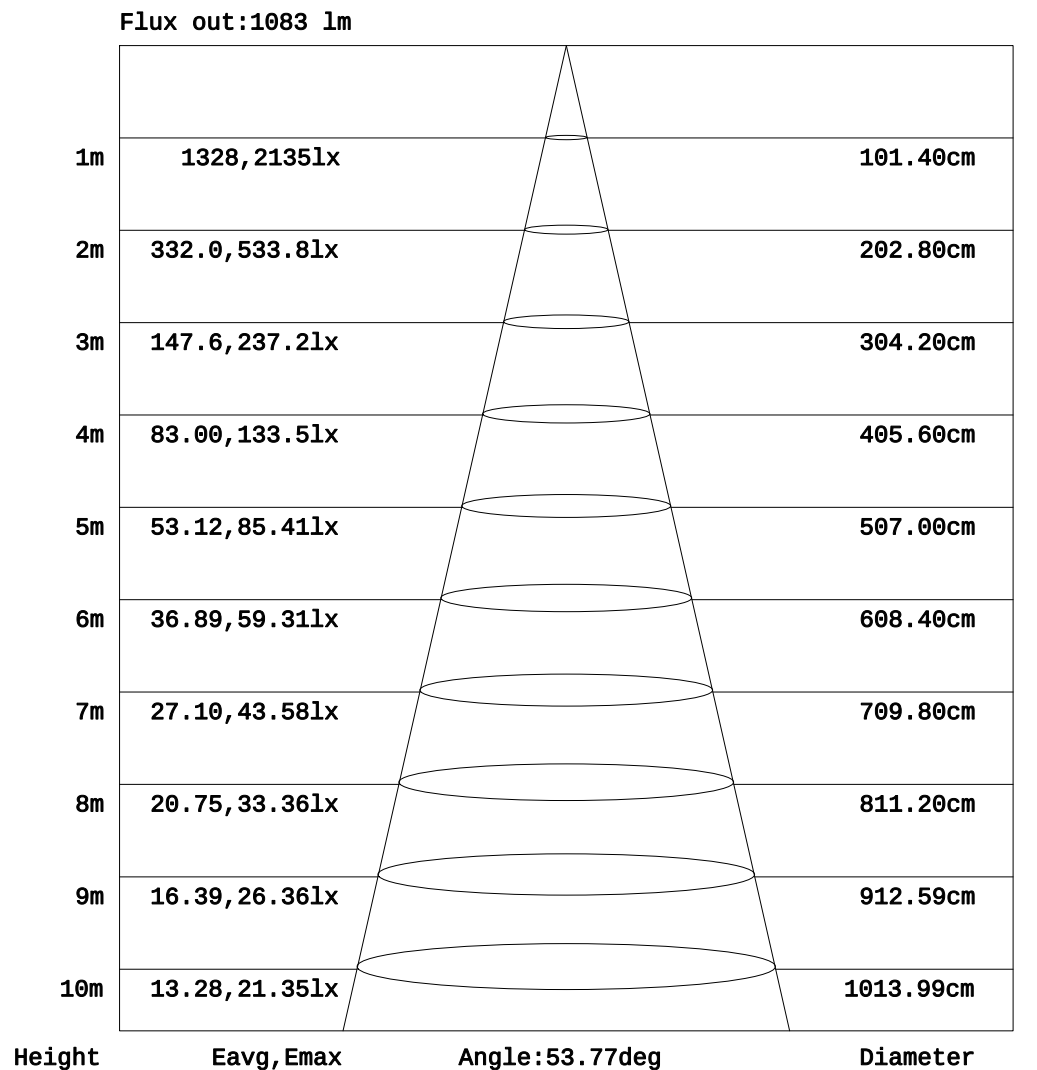


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



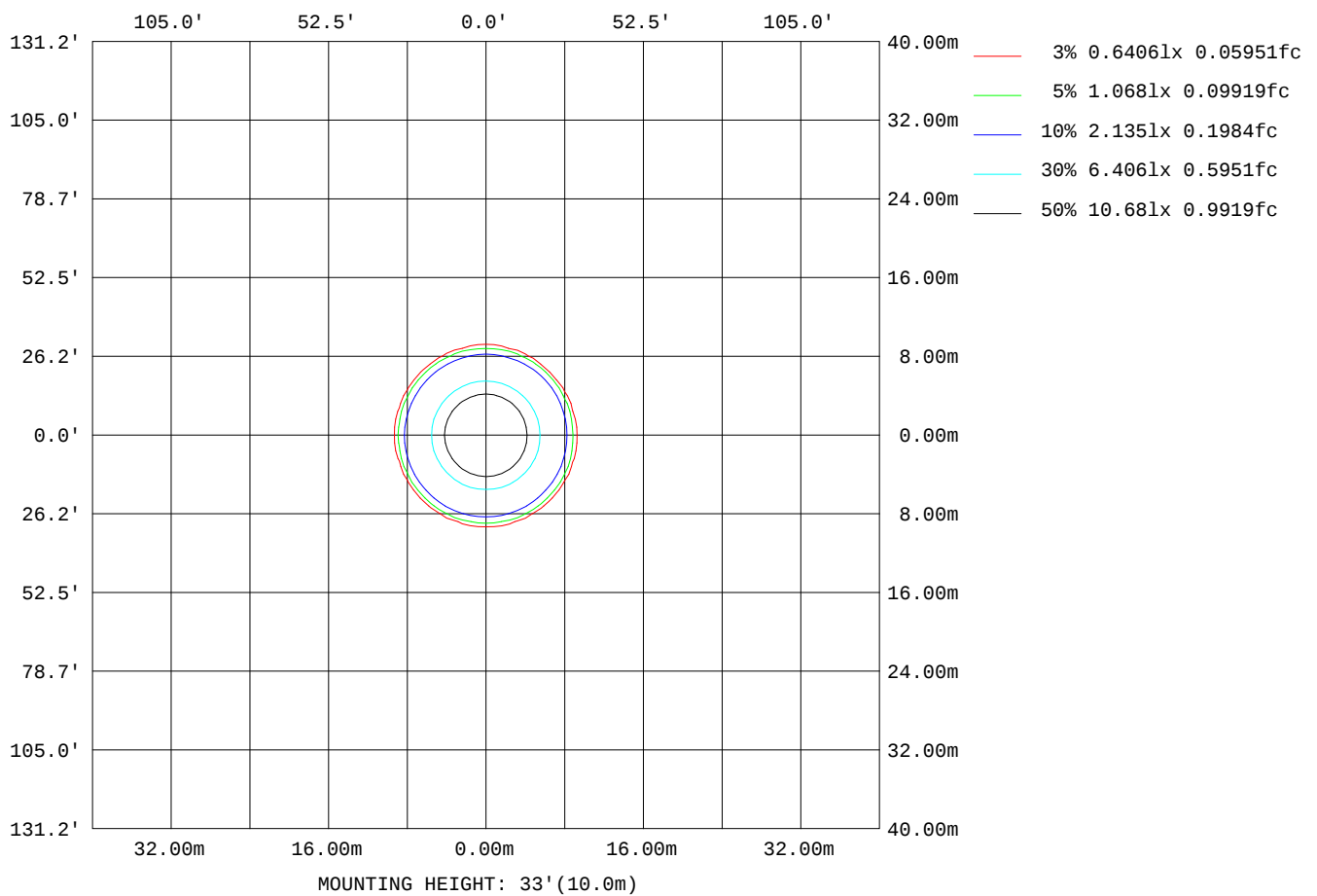
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm		
NAME: DL2092-BKTC20C01	TYPE:	WEIGHT:
SPEC.: black RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

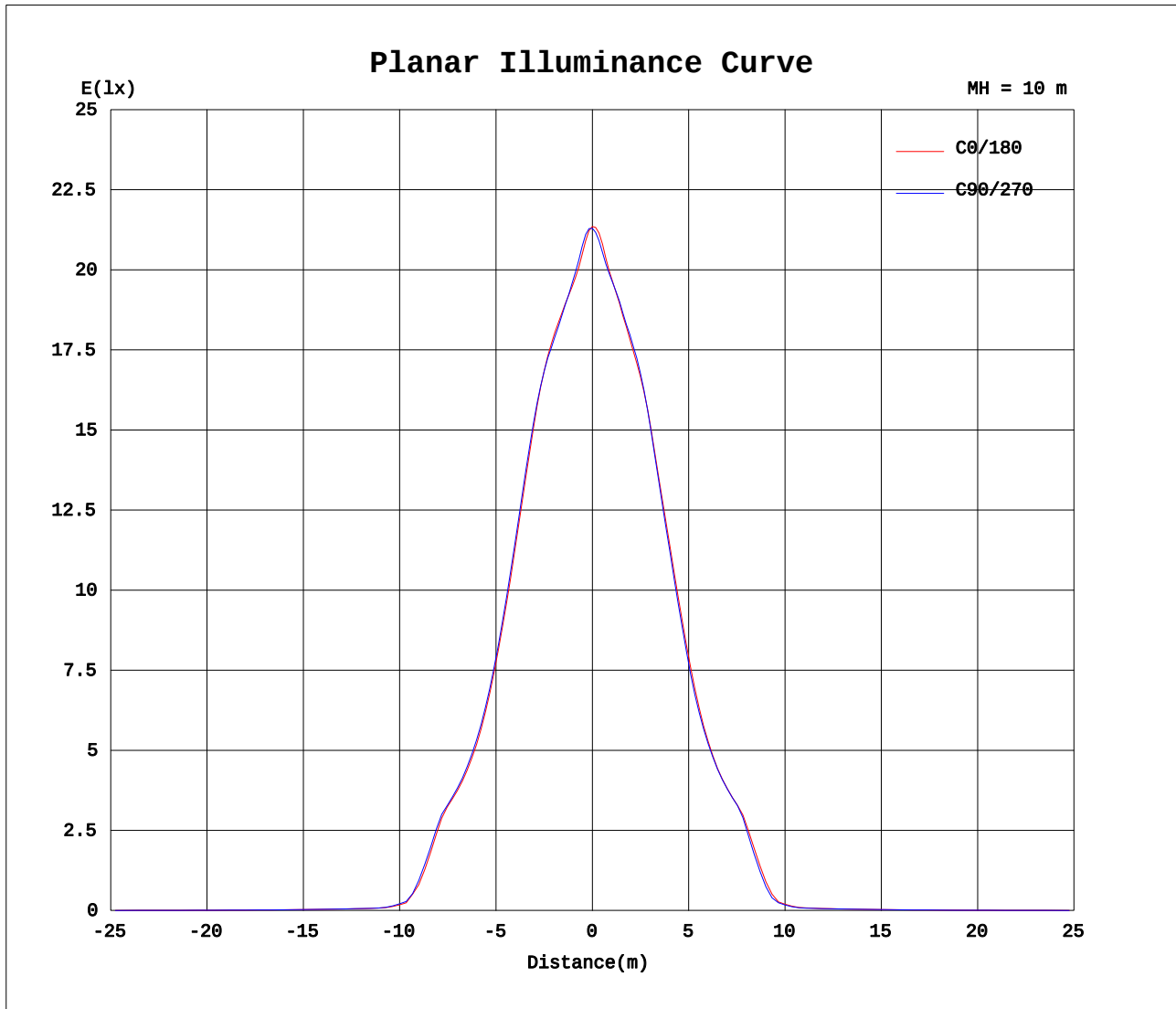
AvgL	cd/m2
L_0~180(65)av	4646
L_0~180(75)av	2501
L_0~180(85)av	1915
L_90~270(65)av	4609
L_90~270(75)av	2451
L_90~270(85)av	1940
L_45(65)av	4596
L_45(75)av	2490
L_45(85)av	1907

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:231.06V I:0.0983A P:22.170W PF:0.9756 Freq:49.99Hz Lamp Flux:1806.45x1 lm																	
NAME: DL2092-BKTC20C01									TYPE:						WEIGHT:		
SPEC.: black RA90 3000K+5000K									DIM.:						SERIAL No.:		
MFR.:									SUR.: 83mm						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	2135	2134	2132	2131	2130	2132	2129	2127	2135	2134	2132	2131	2130	2132	2129	2127			
5	1999	2005	2008	2013	2016	2017	2016	2014	2019	2015	2020	2018	2011	1999	1997	1991			
10	1921	1917	1913	1912	1908	1912	1914	1899	1908	1902	1914	1913	1916	1919	1921	1918			
15	1816	1821	1816	1824	1819	1814	1800	1796	1798	1791	1793	1797	1804	1813	1812	1810			
20	1540	1561	1566	1578	1565	1556	1540	1537	1543	1535	1531	1522	1525	1526	1530	1533			
25	1189	1203	1207	1216	1212	1212	1208	1209	1216	1206	1200	1191	1188	1186	1191	1189			
30	873	886	889	898	895	897	883	887	888	882	881	876	874	868	871	870			
35	682	688	691	698	695	697	688	692	693	692	691	691	690	686	684	681			
40	405	426	426	446	441	451	438	435	435	409	400	390	394	387	402	402			
45	51.5	55.3	57.1	60.0	59.5	60.2	57.7	56.2	55.9	52.4	52.4	49.9	50.2	49.7	50.8	51.0			
50	24.0	24.1	24.1	24.6	24.7	25.0	25.1	25.1	24.9	24.2	24.0	23.6	23.5	23.7	23.8	24.0			
55	20.1	20.2	20.2	20.3	20.6	20.9	20.9	20.7	20.6	20.1	19.8	19.5	19.6	19.8	19.8	20.0			
60	15.2	15.2	15.0	15.2	15.5	15.5	15.4	15.2	15.3	14.9	14.6	14.4	14.8	14.8	14.8	14.8			
65	10.6	10.8	10.7	10.8	10.8	10.9	10.7	10.7	10.7	10.4	10.3	10.2	10.3	10.4	10.5	10.6			
70	6.75	6.94	6.75	6.96	6.91	6.92	6.67	6.73	6.75	6.49	6.36	6.36	6.52	6.54	6.64	6.72			
75	3.57	3.54	3.62	3.60	3.54	3.49	3.49	3.48	3.43	3.32	3.21	3.27	3.32	3.44	3.62	3.69			
80	2.90	2.98	2.98	2.89	2.90	2.78	2.77	2.74	2.76	2.66	2.58	2.51	2.60	2.72	2.66	2.73			
85	0.91	1.00	0.99	1.02	0.98	0.96	0.88	0.86	0.90	0.87	0.86	0.83	0.85	0.86	0.87	0.89			
90	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.04	0.03	0.04	0.03	0.04	0.03	0.04	0.03			
95	0.03	0.04	0.02	0.05	0.03	0.05	0.02	0.05	0.08	0.03	0.07	0.04	0.07	0.04	0.07	0.03			
100	0.05	0.09	0.05	0.09	0.05	0.09	0.05	0.10	0.14	0.09	0.13	0.10	0.14	0.10	0.13	0.09			
105	0.18	0.21	0.16	0.20	0.16	0.21	0.17	0.22	0.29	0.24	0.29	0.26	0.29	0.26	0.29	0.24			
110	0.40	0.43	0.37	0.41	0.37	0.41	0.37	0.42	0.54	0.49	0.54	0.50	0.55	0.50	0.54	0.49			
115	0.74	0.77	0.72	0.76	0.71	0.74	0.71	0.75	0.93	0.90	0.95	0.92	0.96	0.92	0.95	0.90			
120	1.33	1.34	1.28	1.31	1.28	1.30	1.27	1.31	1.56	1.55	1.59	1.58	1.61	1.57	1.59	1.55			
125	2.25	2.23	2.19	2.18	2.16	2.17	2.16	2.19	2.59	2.61	2.65	2.67	2.67	2.65	2.64	2.60			
130	3.82	3.77	3.73	3.70	3.70	3.66	3.70	3.72	4.15	4.21	4.24	4.27	4.27	4.25	4.20	4.18			
135	5.90	5.79	5.78	5.75	5.78	5.76	5.81	5.82	6.31	6.37	6.39	6.43	6.39	6.39	6.31	6.26			
140	8.27	8.05	8.10	8.01	8.07	8.06	8.18	8.15	8.77	8.76	8.82	8.80	8.71	8.71	8.66	8.60			
145	10.6	10.4	10.4	10.4	10.6	10.5	10.6	10.6	11.2	11.2	11.3	11.3	11.3	11.2	11.1	11.0			
150	13.0	12.7	12.7	12.8	13.1	12.9	12.9	13.0	13.7	13.6	13.7	13.8	13.8	13.6	13.5	13.3			
155	15.0	14.7	14.6	14.8	15.2	15.0	14.9	15.1	15.8	15.6	15.8	16.0	16.1	15.8	15.5	15.2			
160	16.8	16.4	16.3	16.6	17.0	16.8	16.6	16.9	17.5	17.3	17.5	17.8	17.9	17.6	17.2	16.9			
165	18.2	18.0	17.9	18.2	18.5	18.3	18.3	18.6	19.0	18.9	18.8	19.1	19.3	19.0	18.4	18.3			
170	19.7	19.5	19.6	19.8	19.9	19.9	20.1	20.4	20.3	20.5	20.3	20.2	20.1	20.0	19.8	19.8			
175	21.2	21.2	21.4	21.4	21.2	21.3	21.8	21.8	21.6	22.0	22.0	21.6	21.2	21.3	21.5	21.3			
180	22.5	22.5	22.8	22.5	22.3	22.2	22.6	22.4	22.5	22.5	22.8	22.5	22.3	22.2	22.6	22.4			

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