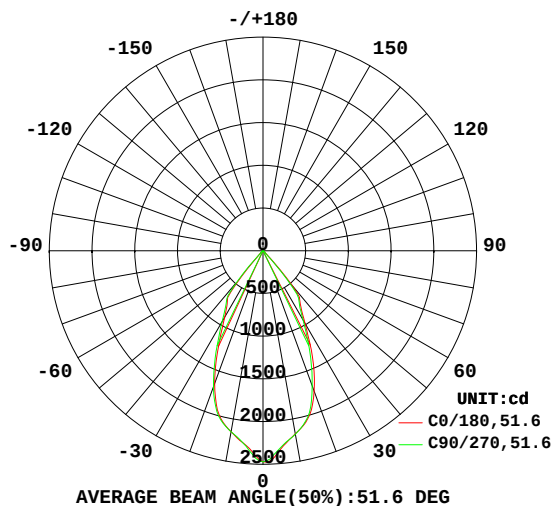


LUMINAIRE PHOTOMETRIC TEST REPORT

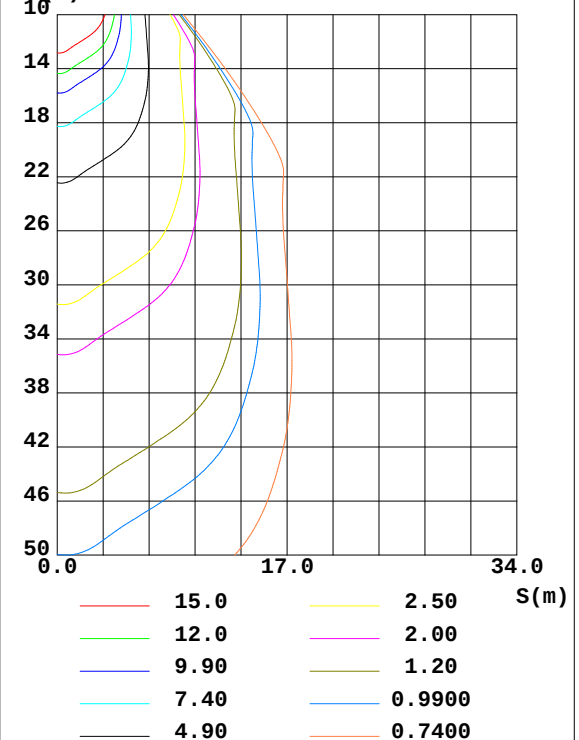
Test:U:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 95.41 lm/W			
MODEL	TBG-1510E 4000K	I _{max} (cd)	2479	S/MH(C0/180)	0.79
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	2008.9	η UP, DN(C0-180)	0.8, 49.3
NOMINAL FLUX(lm)	2008.91	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 49.1
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	0.90

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:

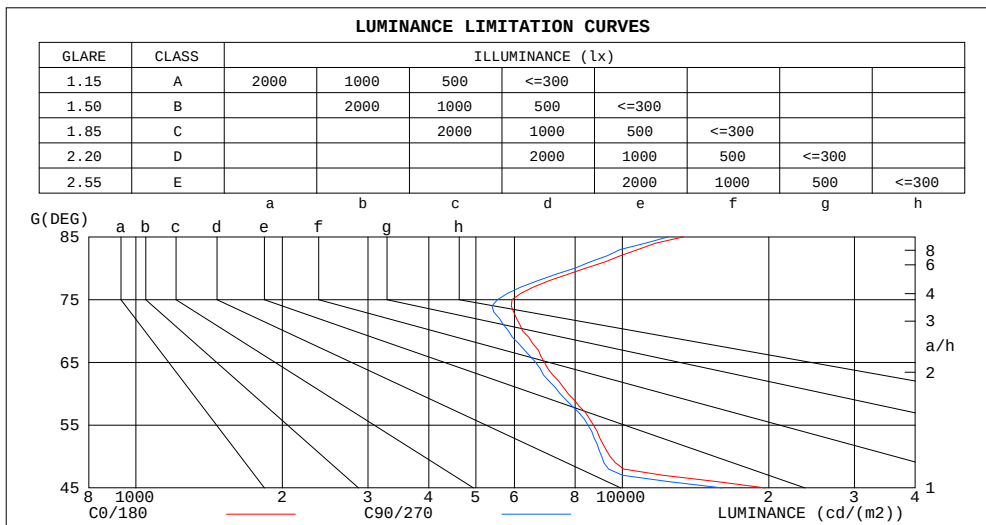
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2175	2178	2181	2171	2151	2139	2152	2178	0- 10	216.1	216.1	10.8,10.8
20	1750	1730	1684	1657	1656	1674	1695	1755	10- 20	554.7	770.9	38.4,38.4
30	986.3	976.6	942.4	908.9	898.7	928.9	957.4	989.4	20- 30	596.5	1367	68.1,68.1
40	533.6	506.0	441.2	387.6	389.9	402.4	467.6	529.5	30- 40	460.4	1828	91,91
50	32.81	32.52	31.53	31.10	32.83	32.69	32.54	32.51	40- 50	95.02	1923	95.7,95.7
60	20.93	20.72	20.15	19.58	19.71	20.16	20.28	20.56	50- 60	23.64	1946	96.9,96.9
70	11.54	11.48	10.79	10.52	10.80	11.18	11.12	11.58	60- 70	15.30	1962	97.7,97.7
80	7.893	7.874	7.502	7.405	7.986	8.136	7.761	7.647	70- 80	9.110	1971	98.1,98.1
90	0.1191	0.1072	0.0828	0.0782	0.1057	0.1012	0.1011	0.0919	80- 90	5.705	1977	98.4,98.4
100	0.1195	0.1239	0.1240	0.1240	0.2437	0.2208	0.2070	0.1977	90-100	0.1275	1977	98.4,98.4
110	0.4589	0.4589	0.4908	0.5229	0.7082	0.6760	0.6393	0.6071	100-110	0.3545	1977	98.4,98.4
120	1.399	1.418	1.478	1.560	1.913	1.844	1.738	1.665	110-120	1.002	1978	98.5,98.5
130	3.914	3.969	4.189	4.419	4.916	4.774	4.539	4.346	120-130	2.483	1981	98.6,98.6
140	8.634	8.676	8.979	9.406	10.06	9.819	9.359	9.111	130-140	5.145	1986	98.8,98.8
150	13.91	13.80	14.54	14.64	15.53	15.32	14.97	14.55	140-150	7.424	1993	99.2,99.2
160	18.31	17.93	18.93	18.76	19.78	19.51	19.82	18.85	150-160	7.759	2001	99.6,99.6
170	21.66	21.60	22.13	22.59	22.77	22.58	22.30	21.81	160-170	5.797	2007	99.9,99.9
180	24.90	25.26	24.81	25.16	24.88	25.25	24.82	25.15	170-180	2.222	2009	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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	13365	12443
80	8401	7985
75	5933	5544
70	6237	5833
65	6916	6633
60	7737	7450
55	8718	8494
50	9436	9068
45	19672	16046

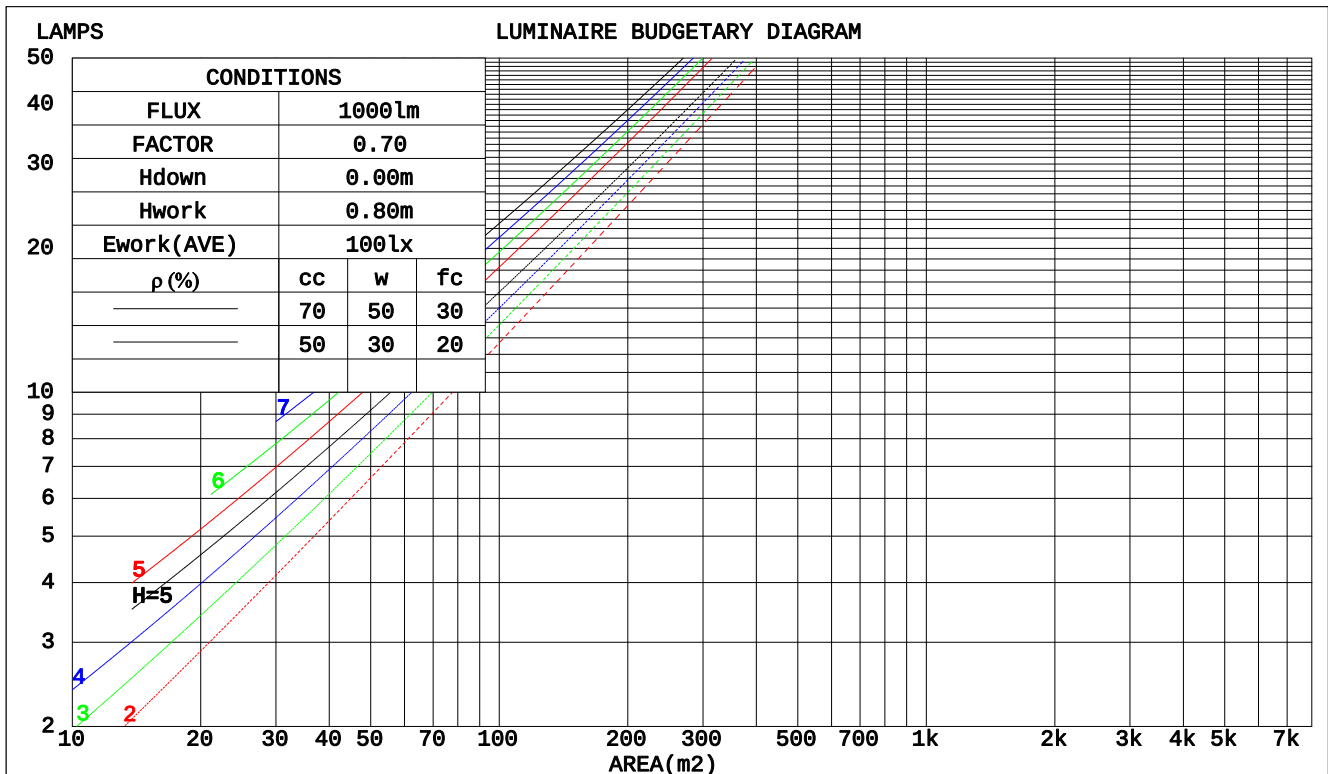
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white 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						Coefficients of Utilization(CU)									
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	1.02	.99	.99	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.95	1.00	.97	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.95	.90	.86	.94	.89	.85	.91	.87	.84	.88	.85	.82	.86	.83	.81	.79
4.0	.89	.83	.79	.88	.82	.78	.85	.81	.77	.83	.79	.76	.81	.78	.75	.74
5.0	.83	.77	.73	.82	.77	.72	.80	.75	.72	.78	.74	.71	.76	.73	.70	.69
6.0	.78	.72	.68	.77	.71	.67	.75	.70	.67	.74	.69	.66	.72	.69	.66	.64
7.0	.73	.67	.63	.72	.67	.63	.71	.66	.62	.70	.65	.62	.68	.64	.61	.60
8.0	.69	.63	.59	.68	.63	.59	.67	.62	.58	.66	.61	.58	.65	.61	.58	.56
9.0	.65	.59	.55	.65	.59	.55	.63	.58	.55	.62	.58	.54	.62	.57	.54	.53
10.0	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.51	.58	.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
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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm					
NAME: DL2092-WHTC20C01			TYPE:		WEIGHT:
SPEC.: white 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	.184	.105	.033	.177	.101	.032	.164	.094	.030	.151	.087	.028	.140	.081	.026	
2.0	.175	.096	.029	.169	.093	.029	.158	.088	.027	.147	.083	.026	.137	.078	.025	
3.0	.166	.089	.027	.161	.086	.026	.151	.082	.025	.142	.078	.024	.134	.074	.023	
4.0	.158	.082	.024	.154	.080	.024	.145	.077	.023	.137	.074	.022	.130	.070	.021	
5.0	.150	.077	.022	.146	.075	.022	.139	.072	.021	.132	.070	.021	.125	.067	.020	
6.0	.143	.072	.021	.140	.071	.020	.133	.068	.020	.127	.066	.019	.121	.064	.019	
7.0	.137	.068	.019	.134	.067	.019	.128	.065	.019	.122	.063	.018	.117	.061	.018	
8.0	.131	.064	.018	.128	.063	.018	.123	.061	.017	.118	.060	.017	.113	.058	.017	
9.0	.125	.061	.017	.123	.060	.017	.118	.058	.017	.113	.057	.016	.109	.055	.016	
10.0	.120	.058	.016	.118	.057	.016	.113	.056	.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	.101	.135	.109	.088	.092	.076	.062	.053	.044	.036	.017	.014	.012	
4.0	.147	.112	.084	.126	.096	.073	.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	.113	.079	.054	.078	.055	.038	.045	.032	.023	.015	.011	.007	
7.0	.125	.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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm											
NAME: DL2092-WHTC20C01						TYPE:			WEIGHT:		
SPEC.: white 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		19.3	20.3	19.5	20.4	20.6	18.9	19.8	19.1	20.0	20.2
3H		19.2	20.1	19.5	20.3	20.5	18.8	19.6	19.0	19.9	20.1
4H		19.1	20.0	19.5	20.2	20.5	18.7	19.5	19.0	19.8	20.0
6H		19.1	19.9	19.5	20.2	20.5	18.7	19.5	19.0	19.7	20.0
8H		19.1	19.9	19.5	20.2	20.5	18.7	19.4	19.0	19.7	20.0
12H		19.2	19.9	19.5	20.2	20.5	18.7	19.4	19.1	19.7	20.0
4H 2H		19.1	19.9	19.4	20.1	20.4	18.6	19.5	18.9	19.7	20.0
3H		19.0	19.7	19.3	20.0	20.3	18.6	19.3	18.9	19.6	19.9
4H		19.0	19.6	19.3	19.9	20.3	18.5	19.2	18.9	19.5	19.9
6H		19.0	19.6	19.4	19.9	20.3	18.6	19.1	19.0	19.5	19.9
8H		19.0	19.6	19.5	20.0	20.4	18.6	19.1	19.0	19.5	19.9
12H		19.1	19.6	19.6	20.0	20.4	18.7	19.2	19.1	19.6	20.0
8H 4H		18.9	19.4	19.3	19.8	20.2	18.4	19.0	18.9	19.3	19.7
6H		18.9	19.4	19.4	19.8	20.3	18.5	19.0	19.0	19.4	19.8
8H		19.1	19.4	19.5	19.9	20.4	18.6	19.0	19.1	19.5	19.9
12H		19.2	19.5	19.7	20.0	20.5	18.8	19.1	19.3	19.6	20.1
12H 4H		18.8	19.3	19.3	19.7	20.1	18.4	18.9	18.8	19.3	19.7
6H		18.9	19.3	19.4	19.8	20.2	18.5	18.9	19.0	19.3	19.8
8H		19.1	19.4	19.6	19.9	20.4	18.7	19.0	19.2	19.5	20.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 2.9 / - 6.7					+ 2.9 / - 6.6				
1.5H		+ 5.6 / - 6.5					+ 5.5 / - 6.4				
2.0H		+ 1.7 / - 0.4					+ 1.1 / - 0.3				

CIE Pub.117, 2009 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.4)
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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

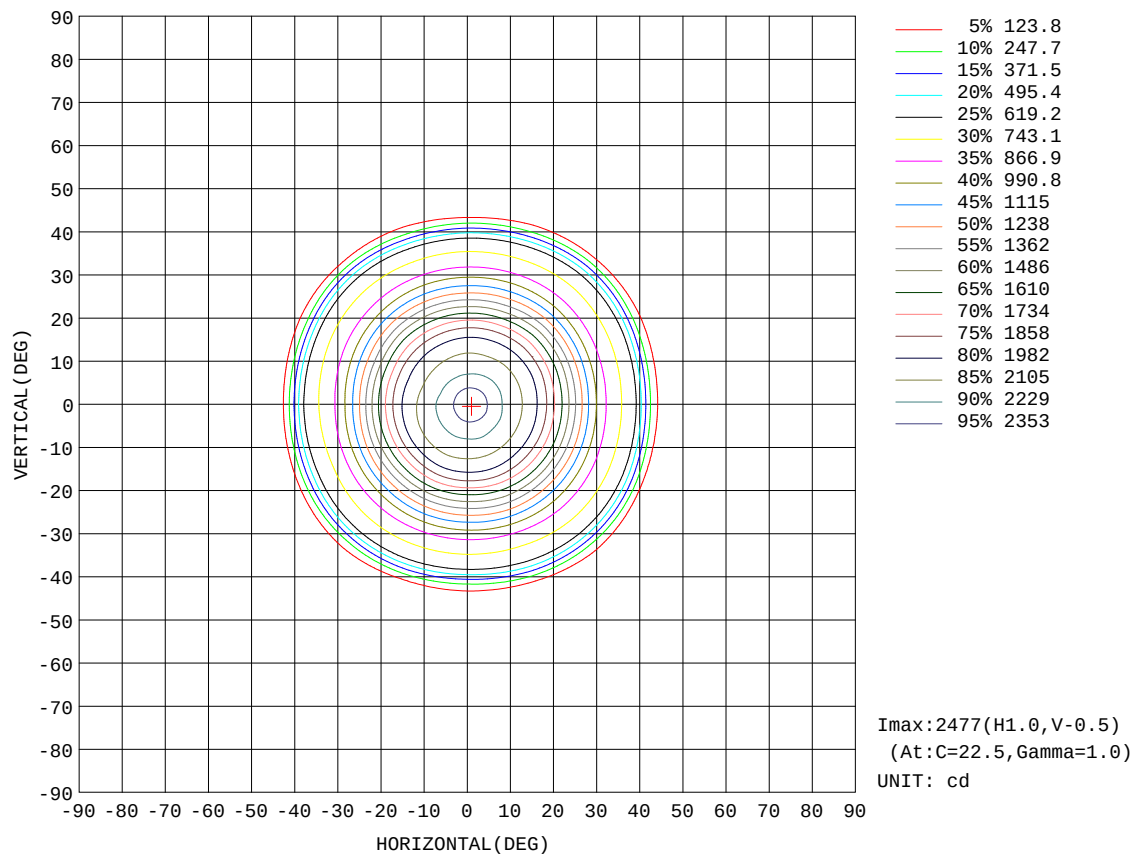
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	85	79	76	85	79	75	72
0.80	93	87	84	93	87	83	91	86	83	79
1.00	98	92	89	97	92	88	95	91	88	83
1.25	102	97	93	101	96	93	99	95	92	87
1.50	105	100	96	103	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	105	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: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:

ISOCANDELA DIAGRAM

Test:U:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

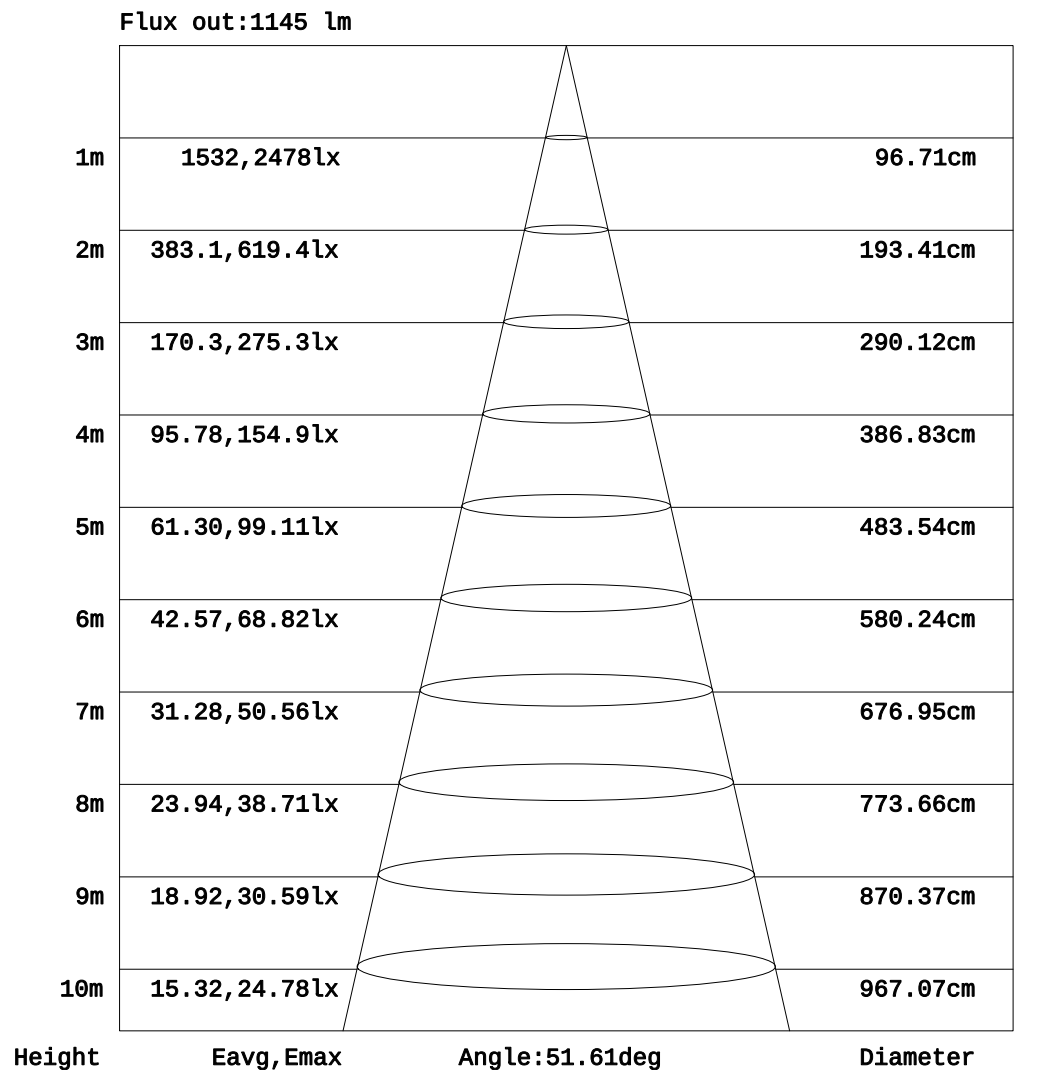


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



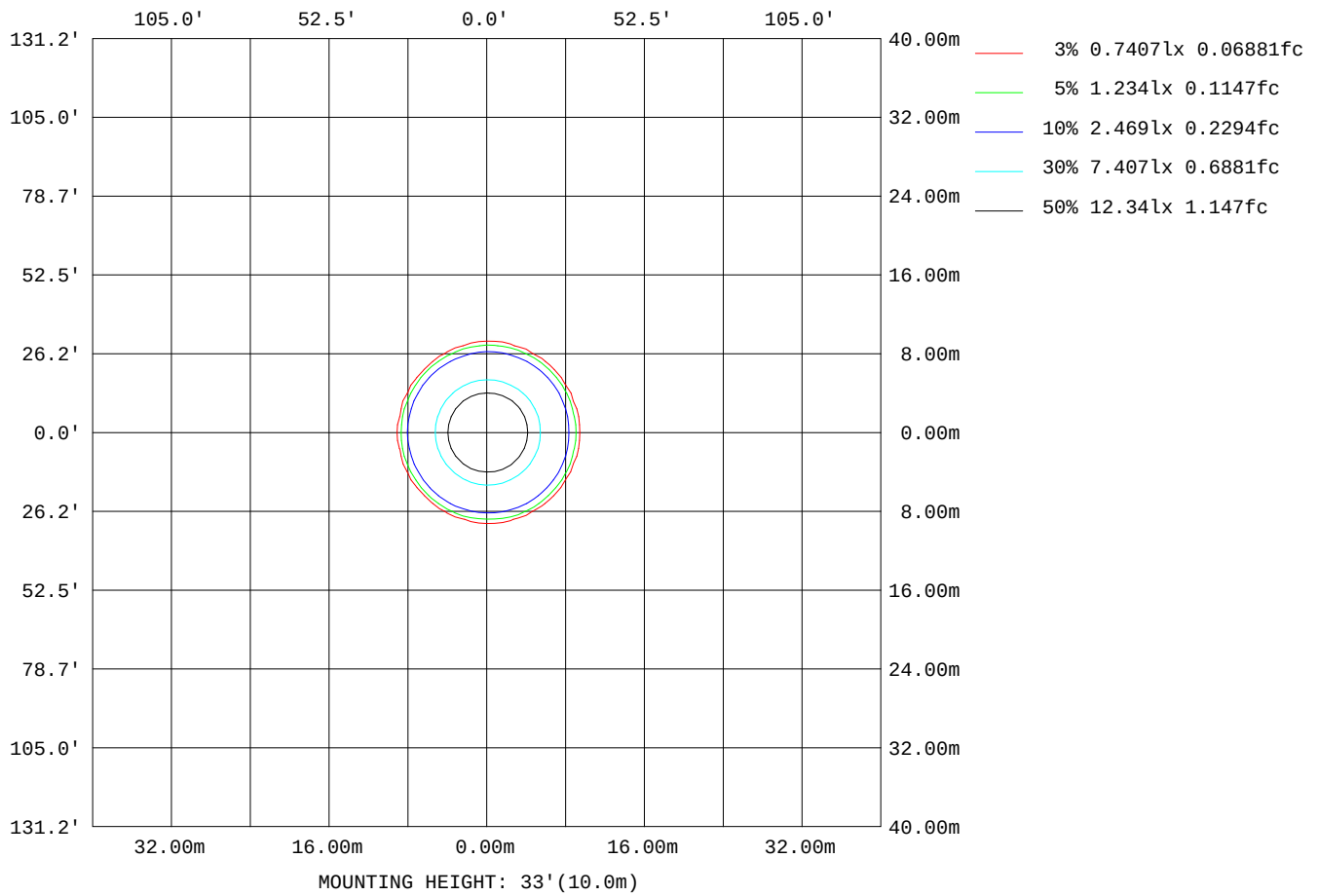
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white 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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

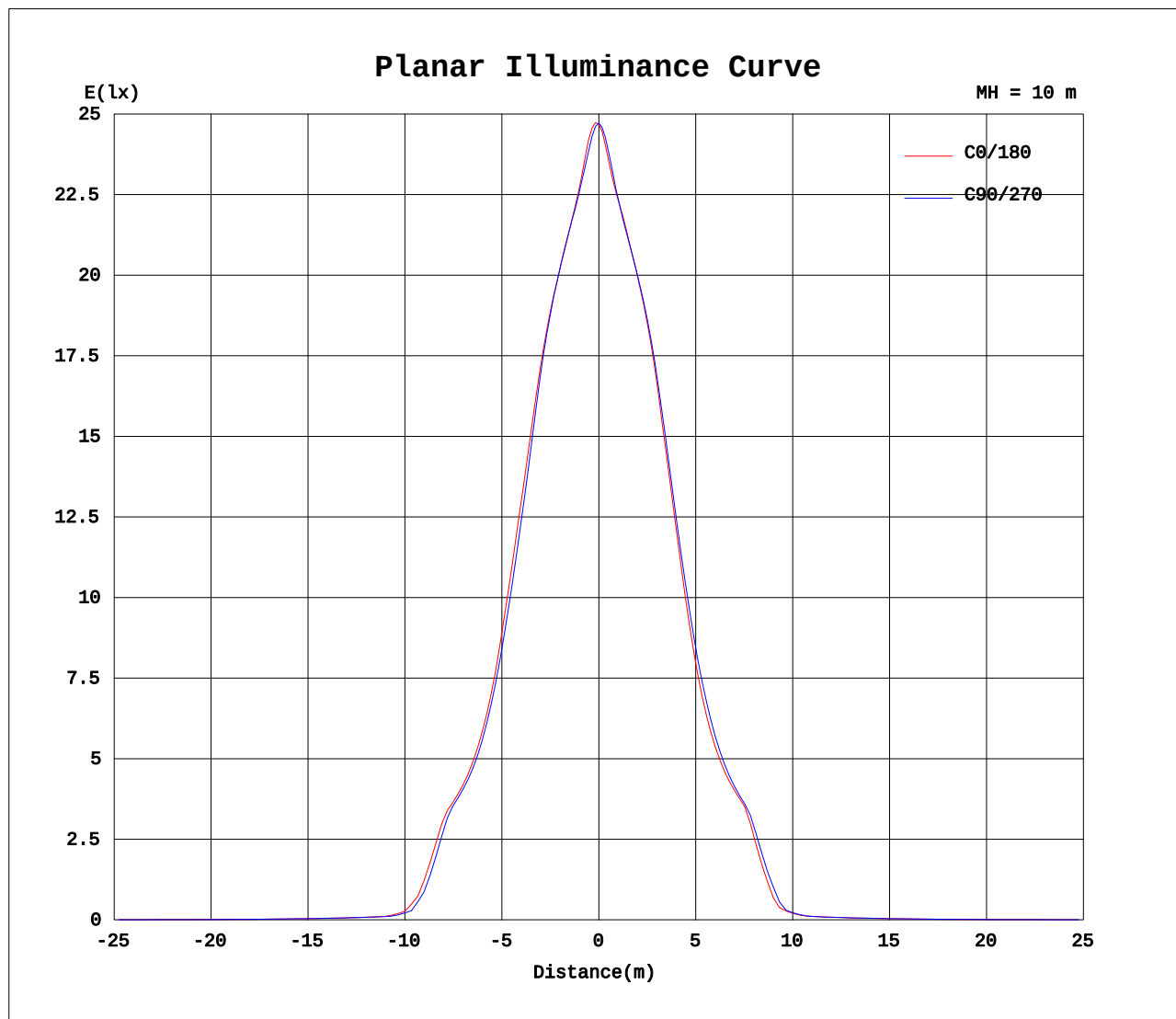
AvgL	cd/m2
L_0~180(65)av	6725
L_0~180(75)av	5851
L_0~180(85)av	13302
L_90~270(65)av	6678
L_90~270(75)av	5614
L_90~270(85)av	12753
L_45(65)av	6694
L_45(75)av	5735
L_45(85)av	13018

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:231.02V I:0.0935A P:21.056W PF:0.9743 Freq:49.99Hz Lamp Flux:2008.91x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white 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	2469	2472	2474	2470	2472	2470	2471	2470	2469	2472	2474	2470	2472	2470	2471	2470			
5	2336	2343	2334	2320	2319	2309	2299	2294	2286	2281	2283	2285	2295	2308	2323	2333			
10	2175	2179	2178	2191	2181	2176	2171	2162	2151	2138	2139	2142	2152	2161	2178	2180			
15	2033	2032	2027	2041	2020	2018	2002	1995	1988	1972	1980	1988	2005	2015	2026	2037			
20	1750	1742	1730	1712	1684	1678	1657	1657	1656	1650	1674	1677	1695	1715	1755	1763			
25	1372	1363	1344	1328	1296	1280	1259	1251	1236	1246	1276	1287	1299	1324	1370	1379			
30	986	986	977	960	942	925	909	905	899	918	929	945	957	975	989	990			
35	762	764	755	741	738	732	726	715	730	736	740	744	753	757	765	766			
40	534	535	506	488	441	421	388	380	390	383	402	420	468	493	529	539			
45	75.3	75.0	71.5	67.5	61.4	58.5	55.7	62.4	58.9	56.4	58.5	59.9	64.6	67.7	73.3	75.6			
50	32.8	33.0	32.5	32.0	31.5	31.2	31.1	34.4	32.8	32.3	32.7	32.5	32.5	32.2	32.5	32.6			
55	27.1	27.0	26.9	26.9	26.4	26.1	25.6	26.8	26.4	26.1	26.4	26.5	26.7	26.7	27.0	27.3			
60	20.9	21.0	20.7	20.7	20.2	19.8	19.6	20.1	19.7	19.8	20.2	20.2	20.3	20.5	20.6	21.0			
65	15.8	15.9	15.7	15.4	15.2	14.9	14.7	14.9	14.9	15.0	15.1	15.2	15.4	15.6	15.7	15.8			
70	11.5	11.7	11.5	11.1	10.8	10.7	10.5	10.6	10.8	10.9	11.2	11.1	11.1	11.3	11.6	11.6			
75	8.31	8.29	8.17	8.01	7.76	7.55	7.59	7.83	8.08	8.38	8.29	8.18	7.96	7.95	8.06	8.24			
80	7.89	8.01	7.87	7.61	7.50	7.40	7.41	7.68	7.99	8.12	8.14	8.00	7.76	7.65	7.65	7.81			
85	6.30	6.30	6.24	6.09	5.87	5.78	5.85	6.06	6.24	6.32	6.28	6.21	6.16	6.13	6.18	6.28			
90	0.12	0.08	0.11	0.09	0.08	0.08	0.08	0.09	0.11	0.10	0.10	0.10	0.10	0.11	0.09	0.12			
95	0.09	0.11	0.09	0.11	0.08	0.11	0.08	0.11	0.15	0.11	0.14	0.10	0.14	0.09	0.13	0.10			
100	0.12	0.16	0.12	0.17	0.12	0.17	0.12	0.18	0.24	0.19	0.22	0.17	0.21	0.15	0.20	0.16			
105	0.25	0.29	0.24	0.30	0.27	0.31	0.28	0.32	0.42	0.36	0.40	0.34	0.37	0.31	0.35	0.31			
110	0.46	0.50	0.46	0.52	0.49	0.54	0.52	0.57	0.71	0.65	0.68	0.62	0.64	0.57	0.61	0.56			
115	0.81	0.85	0.82	0.88	0.86	0.93	0.92	0.98	1.18	1.12	1.13	1.06	1.06	1.00	1.01	0.98			
120	1.40	1.42	1.42	1.48	1.48	1.55	1.56	1.62	1.91	1.87	1.84	1.77	1.74	1.67	1.66	1.62			
125	2.32	2.33	2.35	2.41	2.49	2.56	2.63	2.69	3.12	3.07	3.02	2.92	2.86	2.76	2.73	2.69			
130	3.91	3.90	3.97	4.05	4.19	4.29	4.42	4.48	4.92	4.89	4.77	4.67	4.54	4.44	4.35	4.31			
135	6.09	6.06	6.16	6.25	6.45	6.59	6.77	6.83	7.35	7.30	7.15	7.02	6.82	6.71	6.56	6.51			
140	8.63	8.48	8.68	8.73	8.98	9.11	9.41	9.43	10.1	9.96	9.82	9.63	9.36	9.25	9.11	9.02			
145	11.2	11.0	11.2	11.4	11.8	11.8	12.1	12.1	12.8	12.7	12.6	12.4	12.2	11.9	11.8	11.7			
150	13.9	13.6	13.8	14.0	14.5	14.5	14.6	14.8	15.5	15.4	15.3	15.2	15.0	14.7	14.6	14.3			
155	16.2	15.9	16.0	16.3	16.8	16.9	16.8	17.1	17.9	17.6	17.6	17.7	17.6	17.3	16.9	16.6			
160	18.3	18.0	17.9	18.4	18.9	18.9	18.8	19.2	19.8	19.5	19.5	19.8	19.8	19.4	18.8	18.5			
165	20.1	19.7	19.7	20.2	20.6	20.5	20.6	21.0	21.3	21.2	21.0	21.3	21.4	21.0	20.3	20.2			
170	21.7	21.5	21.6	22.0	22.1	22.2	22.6	22.9	22.8	22.9	22.6	22.4	22.3	22.1	21.8	21.8			
175	23.4	23.4	23.7	23.7	23.6	23.7	24.3	24.4	24.0	24.4	24.4	23.9	23.3	23.6	23.7	23.6			
180	24.9	24.8	25.3	24.9	24.8	24.7	25.2	24.9	24.9	24.9	25.2	24.9	24.8	24.7	25.2	24.9			

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