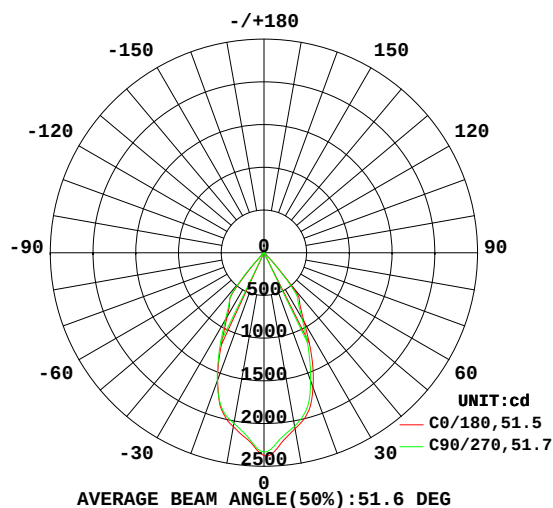


LUMINAIRE PHOTOMETRIC TEST REPORT

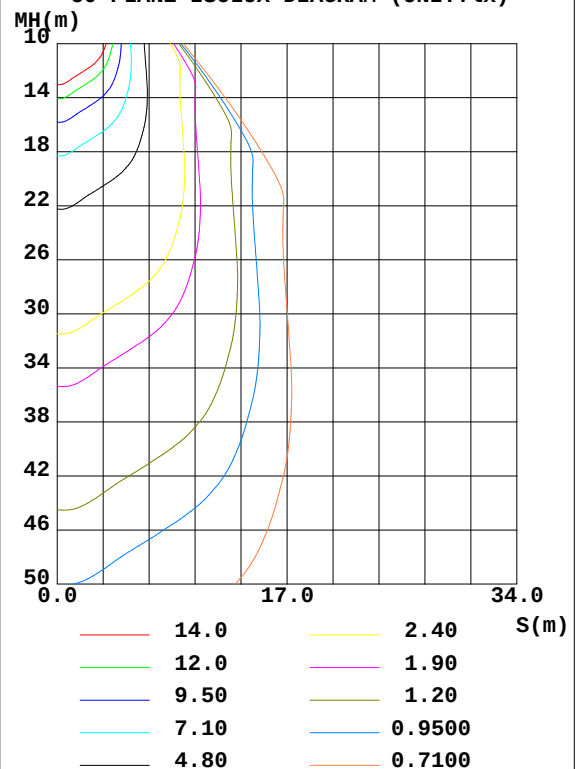
Test:U:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.69 lm/W
MODEL	TBG-1510E 5000K	I _{max} (cd)	2379	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)	1903.3	η UP, DN(C0-180)	0.8, 49.4	
NOMINAL FLUX(lm)	1903.28	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 49.0	
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	0.85	

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:

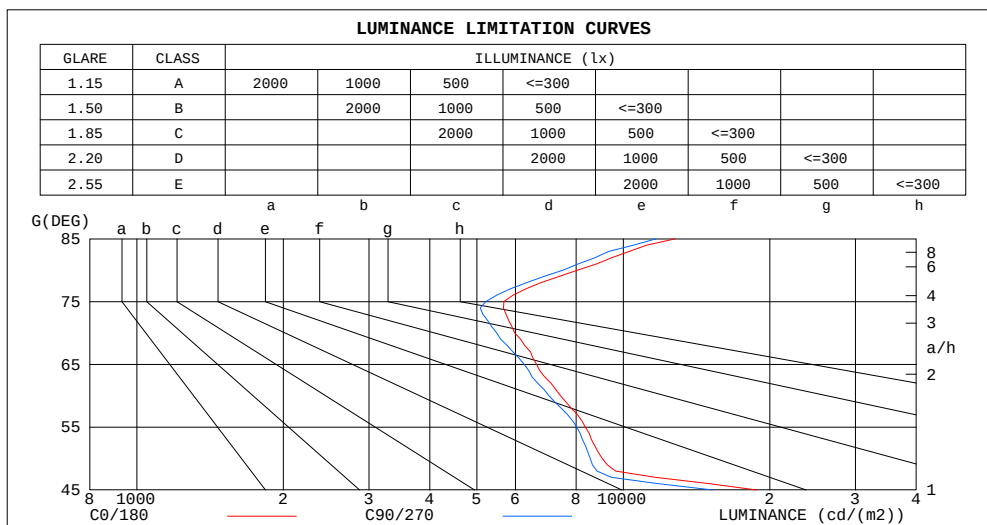
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2091	2075	2062	2041	2067	2033	2030	2045	0- 10	204.7	204.7	10.8,10.8
20	1679	1642	1597	1563	1588	1588	1603	1651	10- 20	525.7	730.4	38.4,38.4
30	945.1	928.2	893.0	857.6	861.8	879.8	906.8	932.3	20- 30	565.1	1295	68.1,68.1
40	518.2	489.0	419.8	365.4	377.5	380.2	436.6	490.4	30- 40	436.3	1732	91,91
50	31.47	30.81	29.72	29.23	31.42	31.02	30.64	30.53	40- 50	90.06	1822	95.7,95.7
60	20.09	19.66	19.02	18.39	18.93	19.17	19.17	19.33	50- 60	22.36	1844	96.9,96.9
70	11.07	10.91	10.16	9.884	10.40	10.65	10.53	10.87	60- 70	14.49	1859	97.7,97.7
80	7.557	7.469	7.061	6.964	7.711	7.760	7.343	7.197	70- 80	8.637	1867	98.1,98.1
90	0.1044	0.0929	0.0737	0.0645	0.1011	0.0965	0.0919	0.0782	80- 90	5.390	1873	98.4,98.4
100	0.1192	0.1237	0.1192	0.1284	0.2300	0.2116	0.1932	0.1839	90-100	0.1139	1873	98.4,98.4
110	0.4271	0.4313	0.4498	0.4862	0.6806	0.6438	0.6024	0.5748	100-110	0.3303	1873	98.4,98.4
120	1.340	1.335	1.404	1.464	1.835	1.752	1.651	1.564	110-120	0.9466	1874	98.5,98.5
130	3.753	3.762	3.942	4.143	4.719	4.544	4.309	4.098	120-130	2.351	1876	98.6,98.6
140	8.281	8.230	8.465	8.828	9.681	9.364	8.868	8.592	130-140	4.874	1881	98.8,98.8
150	13.34	13.08	13.70	13.76	14.94	14.59	14.17	13.71	140-150	7.034	1888	99.2,99.2
160	17.58	17.03	17.87	17.61	19.04	18.58	18.73	17.75	150-160	7.353	1896	99.6,99.6
170	20.76	20.52	20.86	21.18	21.95	21.53	21.06	20.52	160-170	5.492	1901	99.9,99.9
180	23.90	23.99	23.43	23.63	23.98	24.07	23.46	23.67	170-180	2.105	1903	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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 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	12780	11673
80	8044	7516
75	5683	5215
70	5981	5491
65	6634	6251
60	7426	7030
55	8351	8020
50	9050	8546
45	18772	15246

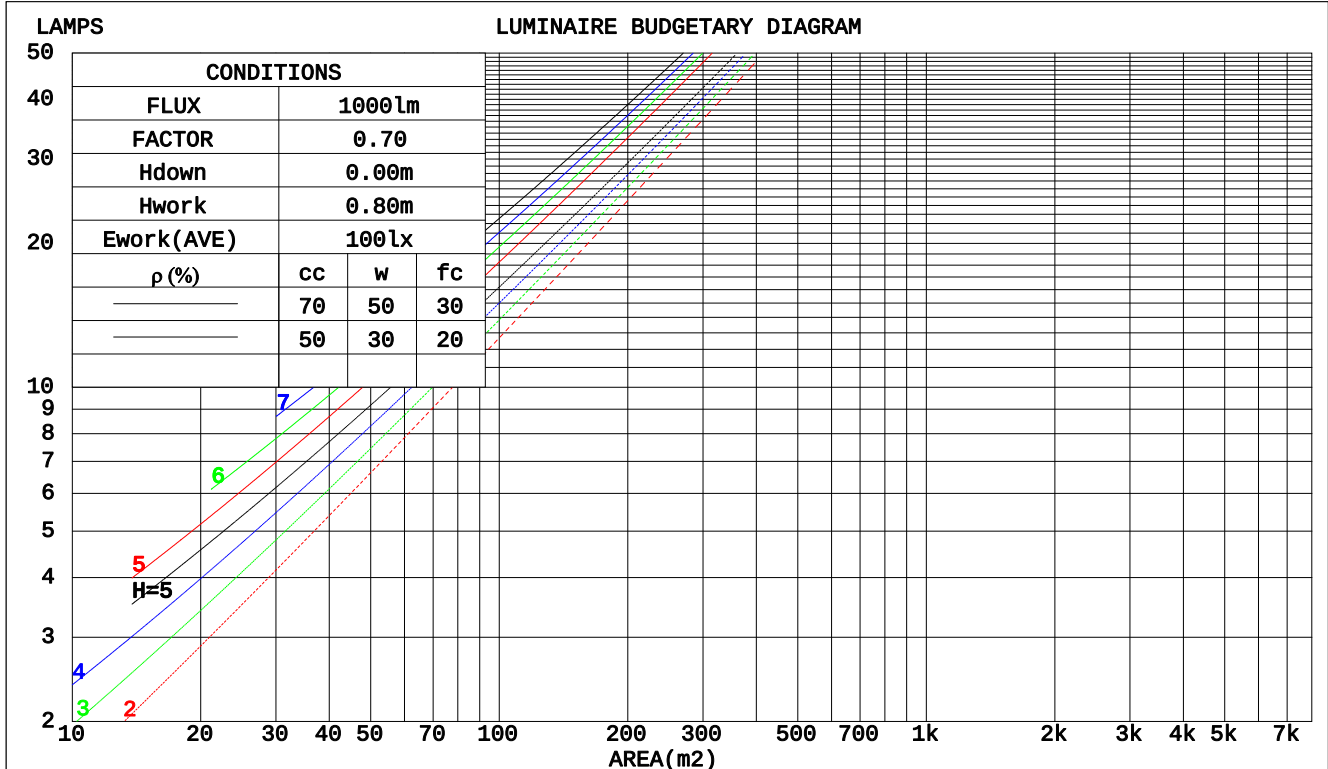
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 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	.00	.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
 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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 lm					
NAME: DL2092-WHTC20C01			TYPE:		WEIGHT:
SPEC.: white RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 83mm		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	.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	

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	.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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 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	19.4	20.3	19.6	20.5	20.7	18.9	19.9	19.2	20.1	20.3
3H	19.3	20.1	19.5	20.4	20.6	18.8	19.7	19.1	19.9	20.1
4H	19.2	20.0	19.5	20.3	20.5	18.8	19.6	19.1	19.8	20.1
6H	19.2	20.0	19.5	20.2	20.5	18.7	19.5	19.1	19.8	20.1
8H	19.2	19.9	19.5	20.2	20.5	18.7	19.5	19.1	19.8	20.1
12H	19.2	19.9	19.6	20.2	20.5	18.8	19.5	19.1	19.8	20.1
4H 2H	19.1	20.0	19.4	20.2	20.5	18.7	19.5	19.0	19.8	20.0
3H	19.0	19.8	19.4	20.1	20.4	18.6	19.3	19.0	19.6	19.9
4H	19.0	19.7	19.4	20.0	20.3	18.6	19.2	19.0	19.6	19.9
6H	19.1	19.6	19.5	20.0	20.4	18.6	19.2	19.0	19.5	19.9
8H	19.1	19.6	19.5	20.0	20.4	18.7	19.2	19.1	19.6	20.0
12H	19.2	19.7	19.6	20.1	20.5	18.7	19.2	19.2	19.6	20.0
8H 4H	18.9	19.4	19.3	19.8	20.2	18.5	19.0	18.9	19.4	19.8
6H	19.0	19.4	19.5	19.9	20.3	18.6	19.0	19.0	19.4	19.9
8H	19.1	19.5	19.6	19.9	20.4	18.7	19.1	19.1	19.5	20.0
12H	19.3	19.6	19.8	20.1	20.6	18.8	19.2	19.3	19.6	20.1
12H 4H	18.9	19.4	19.3	19.8	20.2	18.4	18.9	18.9	19.3	19.8
6H	19.0	19.4	19.5	19.8	20.3	18.6	18.9	19.0	19.4	19.9
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	+ 3.0 / - 6.8					+ 2.9 / - 6.6				
1.5H	+ 5.6 / - 6.6					+ 5.5 / - 6.4				
2.0H	+ 1.8 / - 0.4					+ 1.2 / - 0.3				

CIE Pub.117, 1903 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.2)
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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

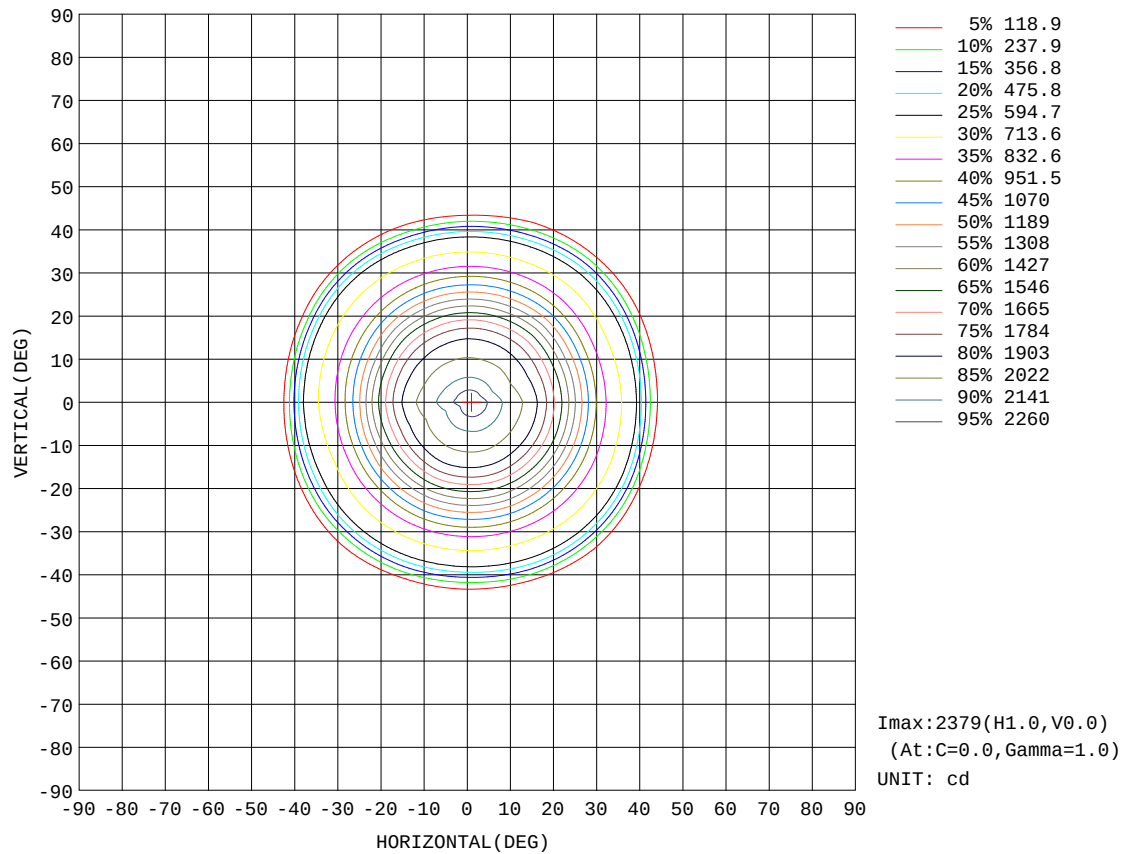
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	80	76	85	79	76	85	79	75	72
0.80	93	87	84	93	87	83	91	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
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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

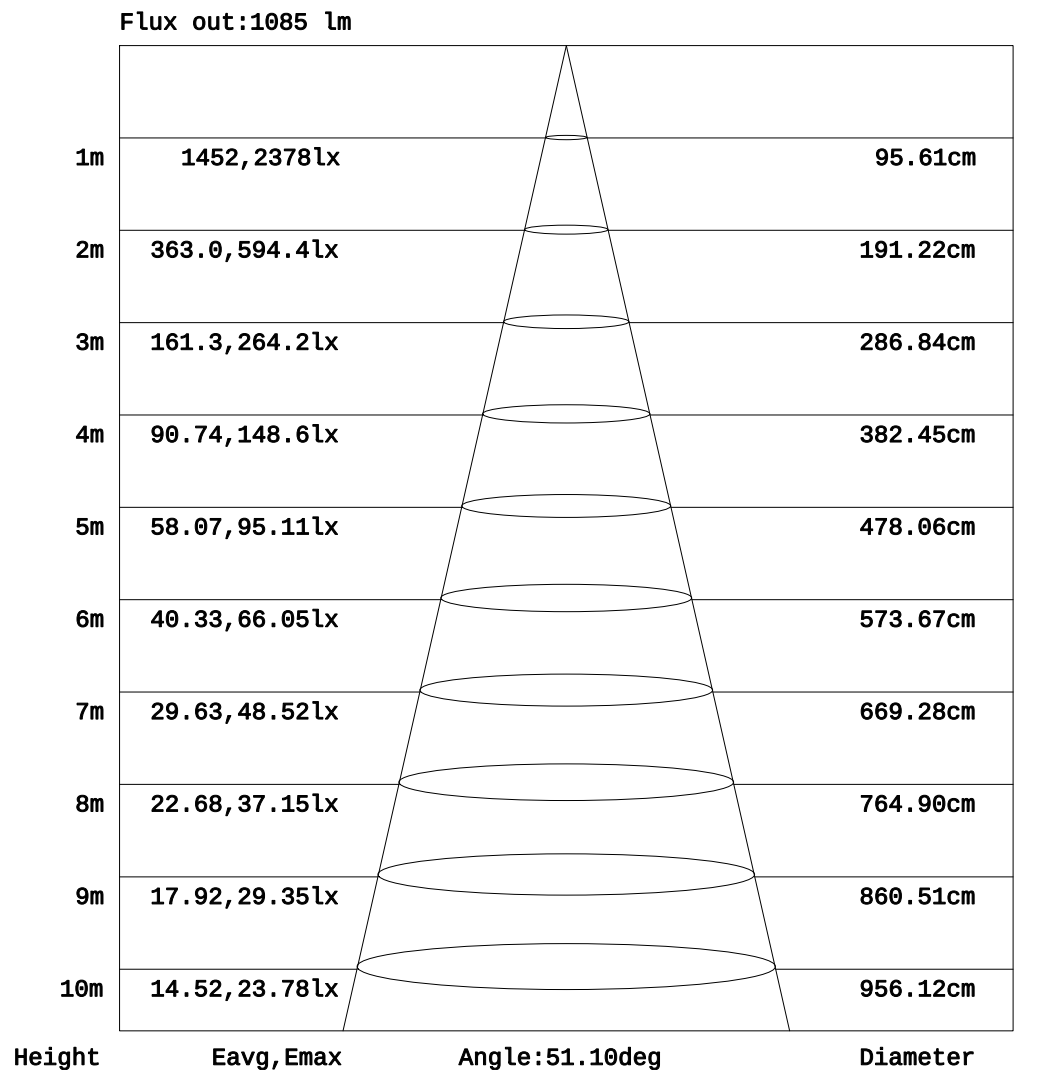


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:



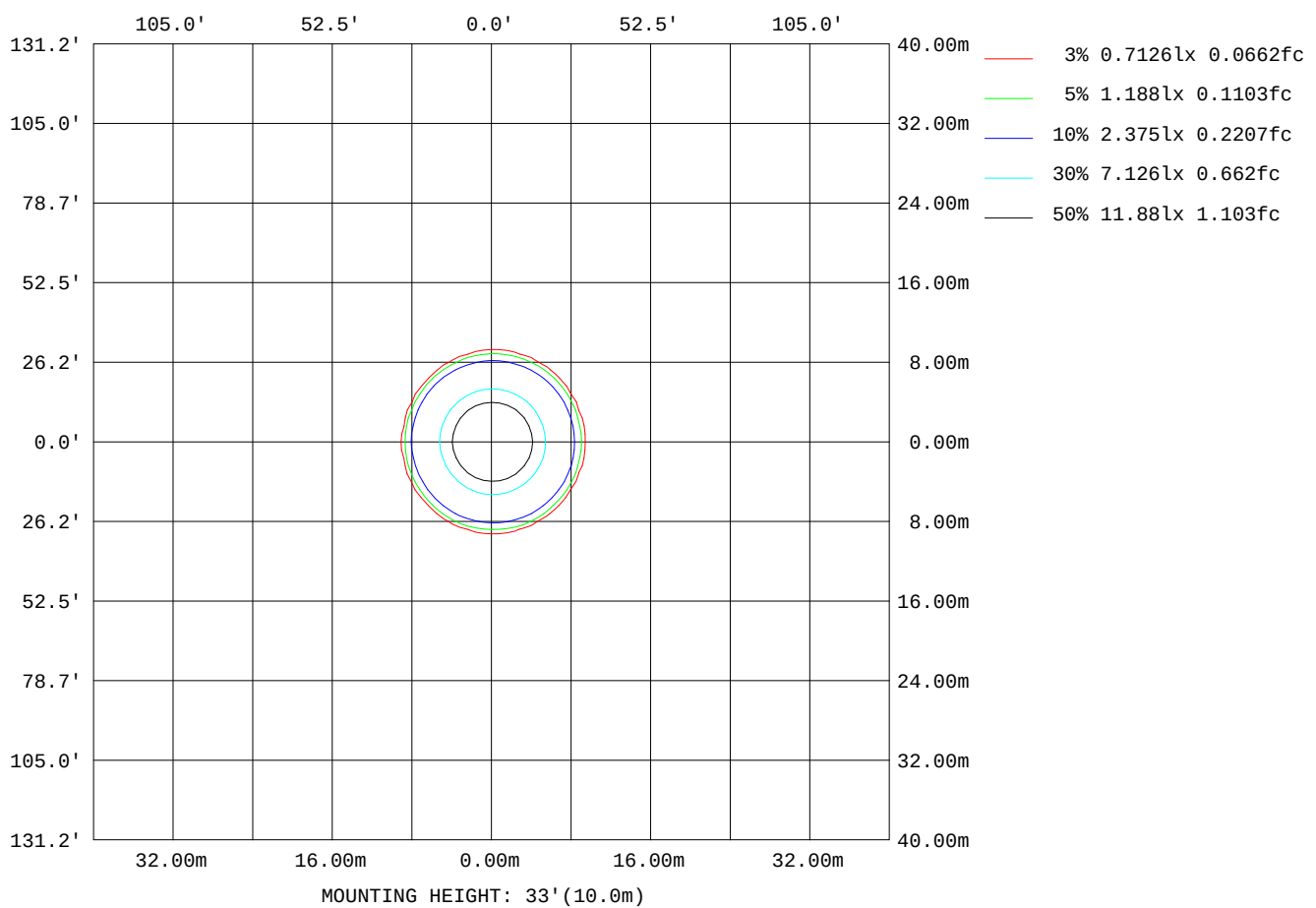
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 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:230.96V I:0.1021A P:23.016W PF:0.9762 Freq:49.99Hz Lamp Flux:1903.28x1 lm		
NAME: DL2092-WHTC20C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 83mm	Shielding Angle:

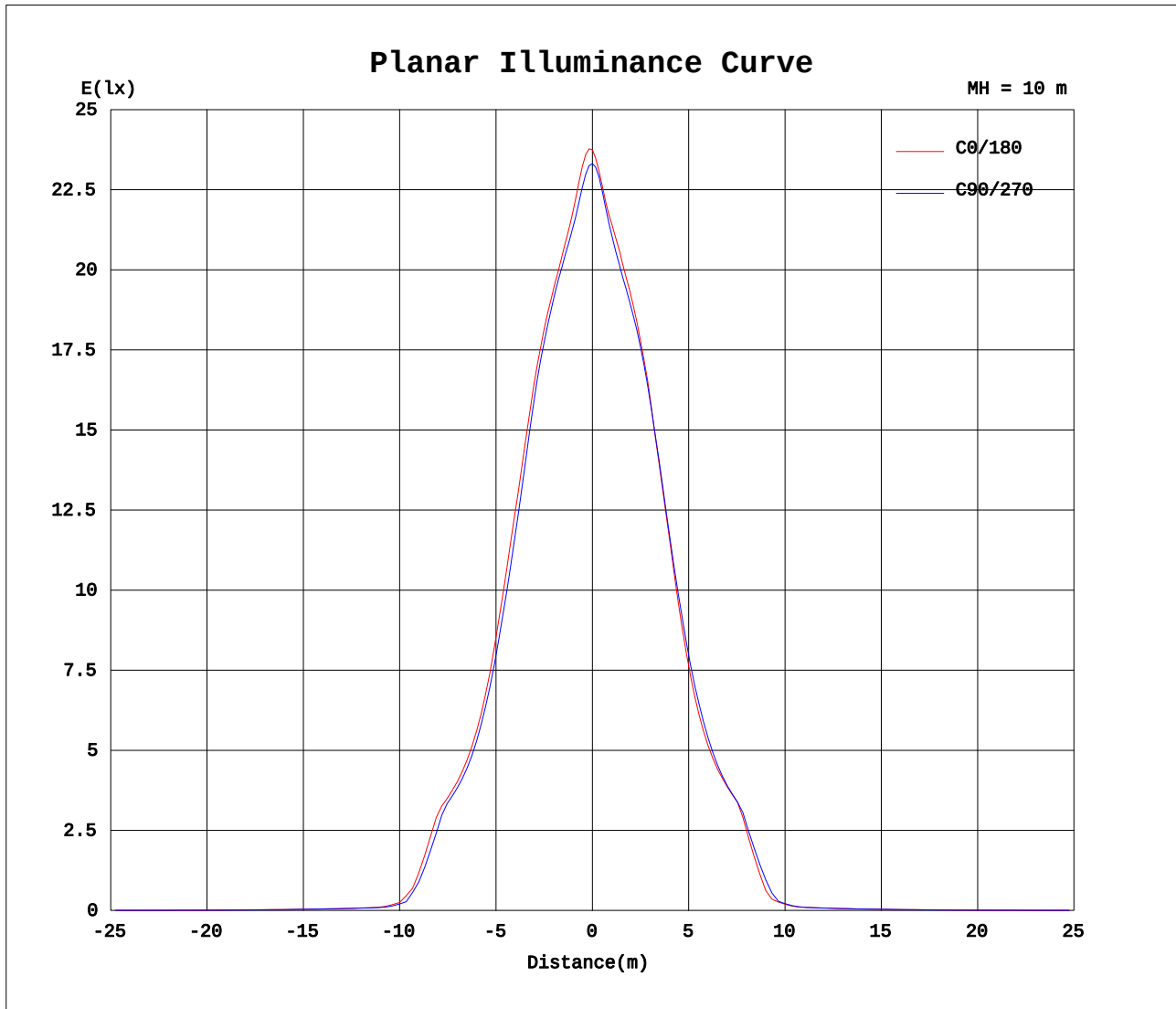
AvgL	cd/m2
L_0~180(65)av	6461
L_0~180(75)av	5618
L_0~180(85)av	12756
L_90~270(65)av	6300
L_90~270(75)av	5299
L_90~270(85)av	11988
L_45(65)av	6332
L_45(75)av	5427
L_45(85)av	12297

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



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γ Range: 0 - 180DEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.: white RA90 3000K+5000K									DIM.:						SERIAL No.:		
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Table--1
UNIT: cd

γ (DEG)	C(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	2375	2359	2347	2338	2332	2324	2318	2315	2375	2359	2347	2338	2332	2324	2318	2315		
5	2245	2237	2220	2207	2187	2178	2163	2149	2194	2176	2166	2161	2166	2173	2184	2187		
10	2091	2084	2075	2074	2062	2052	2041	2029	2067	2043	2033	2027	2030	2033	2045	2043		
15	1953	1945	1930	1922	1910	1905	1884	1874	1910	1885	1878	1880	1893	1898	1905	1909		
20	1679	1665	1642	1626	1597	1588	1563	1558	1588	1571	1588	1584	1603	1617	1651	1651		
25	1315	1300	1278	1262	1229	1212	1188	1176	1182	1182	1208	1217	1229	1249	1290	1289		
30	945	942	928	913	893	876	858	851	862	872	880	892	907	921	932	928		
35	733	732	720	704	698	690	682	671	703	702	703	703	709	711	719	718		
40	518	520	489	466	420	401	365	360	377	362	380	394	437	453	490	503		
45	71.8	71.3	67.7	64.5	58.3	55.9	52.8	59.0	56.3	53.5	55.5	56.6	61.2	64.2	69.4	70.5		
50	31.5	31.4	30.8	30.3	29.7	29.3	29.2	32.2	31.4	30.8	31.0	30.7	30.6	30.3	30.5	30.5		
55	25.9	25.8	25.5	25.5	24.9	24.6	24.0	25.1	25.2	24.8	25.1	25.1	25.2	25.1	25.4	25.5		
60	20.1	20.0	19.7	19.6	19.0	18.6	18.4	18.8	18.9	18.9	19.2	19.2	19.2	19.3	19.3	19.7		
65	15.2	15.2	14.9	14.6	14.3	14.1	13.8	14.0	14.4	14.3	14.4	14.4	14.5	14.7	14.8	14.8		
70	11.1	11.2	10.9	10.6	10.2	10.1	9.88	10.0	10.4	10.4	10.6	10.5	10.5	10.6	10.9	10.9		
75	7.96	7.91	7.74	7.56	7.30	7.10	7.15	7.34	7.78	7.99	7.91	7.77	7.54	7.50	7.59	7.74		
80	7.56	7.66	7.47	7.18	7.06	6.95	6.96	7.21	7.71	7.78	7.76	7.60	7.34	7.23	7.20	7.34		
85	6.03	6.00	5.90	5.75	5.50	5.41	5.49	5.68	6.00	6.05	5.99	5.86	5.80	5.75	5.82	5.89		
90	0.10	0.07	0.09	0.07	0.07	0.07	0.06	0.07	0.10	0.09	0.10	0.10	0.09	0.09	0.08	0.10		
95	0.08	0.11	0.07	0.10	0.07	0.10	0.06	0.10	0.14	0.09	0.13	0.09	0.13	0.08	0.12	0.09		
100	0.12	0.16	0.12	0.15	0.12	0.16	0.13	0.17	0.23	0.17	0.21	0.16	0.19	0.14	0.18	0.13		
105	0.24	0.27	0.22	0.27	0.24	0.29	0.26	0.30	0.40	0.34	0.37	0.31	0.35	0.29	0.33	0.28		
110	0.43	0.47	0.43	0.48	0.45	0.51	0.49	0.53	0.68	0.62	0.64	0.58	0.60	0.54	0.57	0.52		
115	0.78	0.81	0.77	0.83	0.81	0.87	0.86	0.91	1.12	1.06	1.07	1.00	1.01	0.93	0.95	0.91		
120	1.34	1.36	1.34	1.39	1.40	1.47	1.46	1.53	1.83	1.77	1.75	1.67	1.65	1.58	1.56	1.51		
125	2.23	2.22	2.22	2.29	2.34	2.42	2.46	2.52	2.99	2.93	2.87	2.77	2.70	2.62	2.56	2.52		
130	3.75	3.72	3.76	3.83	3.94	4.04	4.14	4.19	4.72	4.66	4.54	4.43	4.31	4.19	4.10	4.05		
135	5.83	5.79	5.84	5.93	6.10	6.22	6.35	6.40	7.06	6.96	6.80	6.66	6.47	6.34	6.21	6.12		
140	8.28	8.12	8.23	8.26	8.46	8.58	8.83	8.84	9.68	9.49	9.36	9.13	8.87	8.76	8.59	8.47		
145	10.8	10.6	10.7	10.8	11.1	11.1	11.3	11.3	12.3	12.1	12.0	11.8	11.5	11.3	11.1	11.0		
150	13.3	13.0	13.1	13.3	13.7	13.7	13.8	13.9	14.9	14.7	14.6	14.4	14.2	13.9	13.7	13.4		
155	15.6	15.2	15.2	15.5	15.9	15.9	15.8	16.0	17.2	16.8	16.8	16.8	16.7	16.3	15.9	15.6		
160	17.6	17.2	17.0	17.4	17.9	17.8	17.6	18.0	19.0	18.6	18.6	18.8	18.7	18.3	17.8	17.3		
165	19.2	18.9	18.7	19.1	19.5	19.4	19.4	19.7	20.5	20.2	20.0	20.2	20.2	19.8	19.1	18.9		
170	20.8	20.5	20.5	20.9	20.9	20.9	21.2	21.5	21.9	21.9	21.5	21.2	21.1	20.8	20.5	20.5		
175	22.5	22.4	22.5	22.5	22.2	22.4	22.8	22.9	23.2	23.3	23.2	22.6	22.1	22.2	22.3	22.1		
180	23.9	23.8	24.0	23.6	23.4	23.2	23.6	23.3	24.0	23.7	24.1	23.6	23.5	23.2	23.7	23.3		

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