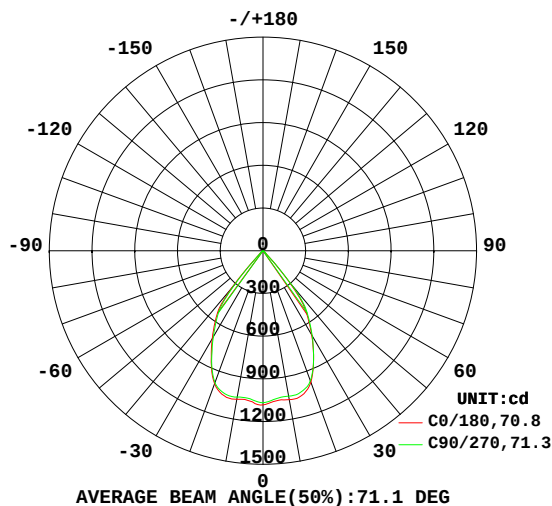


LUMINAIRE PHOTOMETRIC TEST REPORT

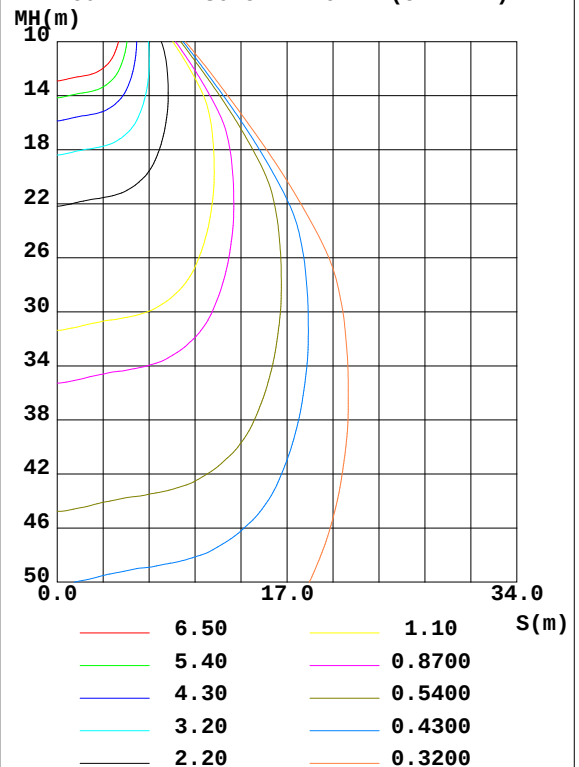
Test:U:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 98.51 lm/W
MODEL	TB8-1911A 5000K	I _{max} (cd)	1084	S/MH(C0/180)	1.05	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.05	
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1231.5	η UP, DN(C0-180)	0.8, 49.0	
NOMINAL FLUX(lm)	1231.52	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 49.4	
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	1.10	

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:

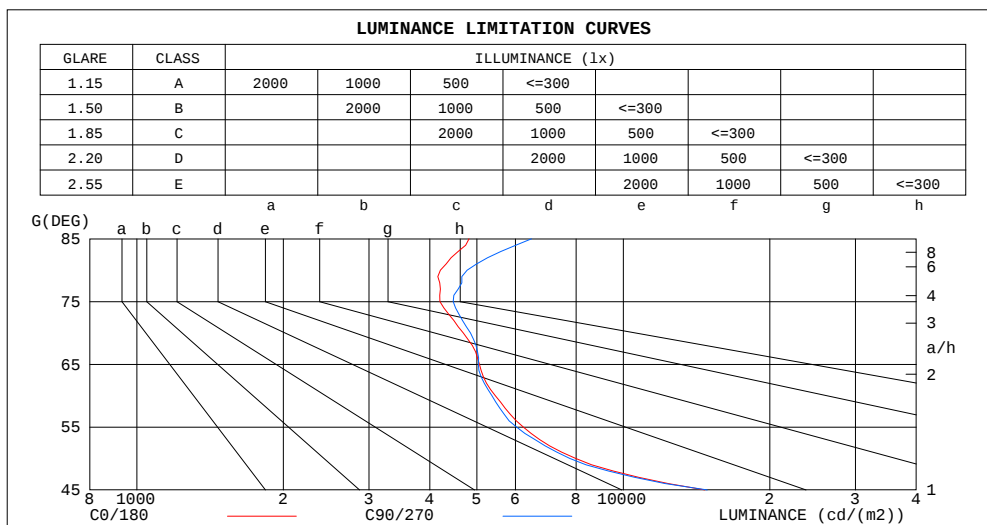
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1062	1047	1036	1034	1059	1049	1043	1042	0- 10	99.83	99.83	8.11, 8.11
20	983.2	976.1	972.2	968.8	994.8	994.1	987.5	977.0	10- 20	291.3	391.2	31.8, 31.8
30	684.9	681.7	692.2	692.9	714.6	715.2	697.8	686.6	20- 30	386.6	777.8	63.2, 63.2
40	288.9	307.8	321.0	324.4	342.7	318.3	306.1	294.6	30- 40	334.0	1112	90.3, 90.3
50	22.68	22.54	22.05	21.74	22.78	22.10	22.17	22.32	40- 50	69.39	1181	95.9, 95.9
60	12.06	12.10	11.86	11.53	11.74	11.57	11.54	11.81	50- 60	14.09	1195	97.1, 97.1
70	7.084	7.203	7.332	7.171	7.280	7.092	7.032	7.027	60- 70	9.262	1205	97.8, 97.8
80	3.228	3.453	3.664	3.591	3.456	3.337	3.255	3.185	70- 80	5.332	1210	98.2, 98.2
90	0.0139	0.0094	0.0095	0.0097	0.0184	0.0184	0.0230	0.0184	80- 90	2.040	1212	98.4, 98.4
100	0.0319	0.0274	0.0183	0.0137	0.0967	0.0966	0.0921	0.1012	90-100	0.0319	1212	98.4, 98.4
110	0.3027	0.2845	0.2706	0.2615	0.4002	0.4048	0.4139	0.4094	100-110	0.1866	1212	98.4, 98.4
120	1.032	1.009	0.9818	0.9589	1.186	1.191	1.209	1.214	110-120	0.6533	1213	98.5, 98.5
130	2.909	2.840	2.776	2.716	3.022	3.049	3.100	3.118	120-130	1.669	1214	98.6, 98.6
140	6.119	5.972	5.885	5.858	6.228	6.187	6.136	6.196	130-140	3.415	1218	98.9, 98.9
150	8.841	8.579	8.841	8.547	9.112	8.997	9.099	8.951	140-150	4.686	1223	99.3, 99.3
160	10.60	10.26	10.64	10.29	10.94	10.76	11.05	10.66	150-160	4.499	1227	99.6, 99.6
170	12.29	12.17	12.27	12.32	12.60	12.48	12.36	12.19	160-170	3.227	1230	99.9, 99.9
180	13.83	13.94	13.68	13.79	13.88	13.97	13.71	13.78	170-180	1.232	1232	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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4816	6472
80	4205	4774
75	4197	4469
70	4686	4850
65	5061	5034
60	5455	5368
55	6227	6035
50	7981	7760
45	14711	14876

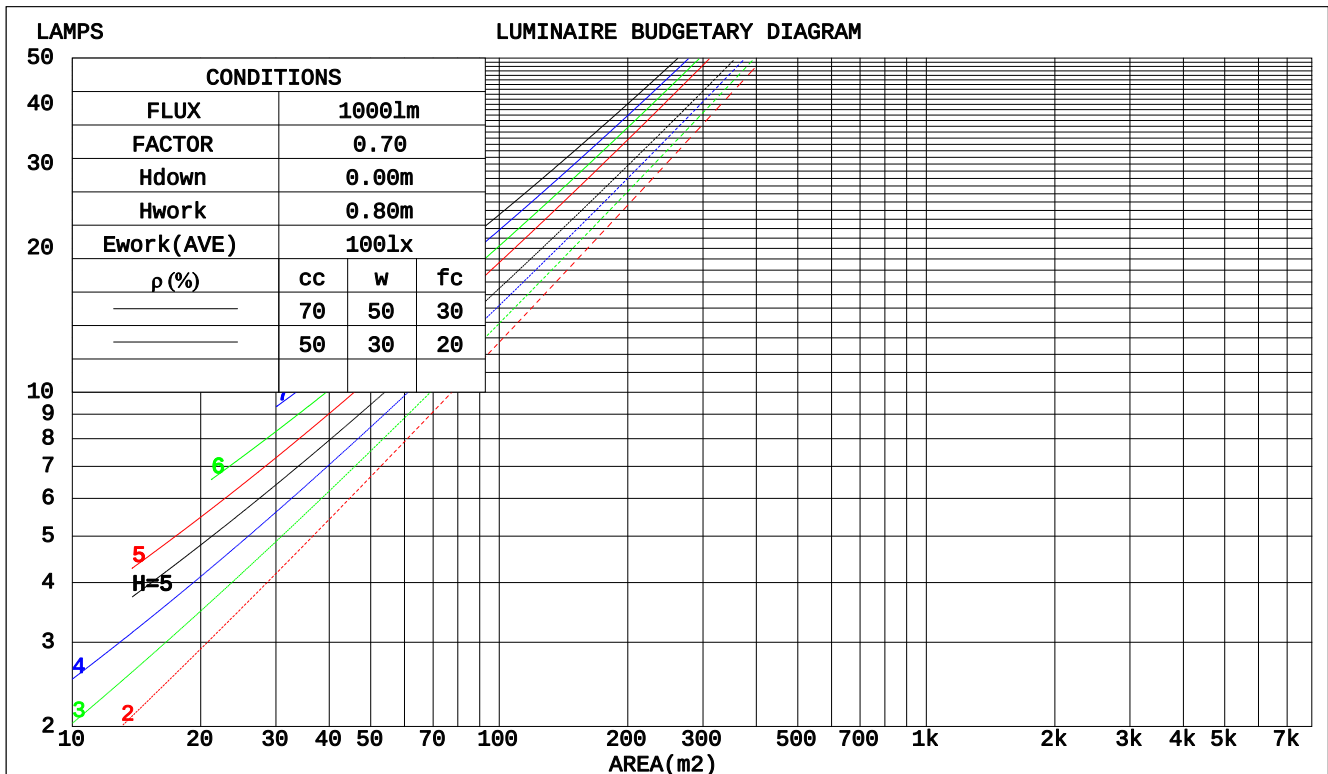
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-25

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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	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	1.07	1.05	1.03	1.03	1.01	.99	.99	.98	.96	.95	.94	.93	.91
2.0	1.02	.97	.94	.90	.96	.93	.96	.93	.90	.93	.90	.88	.90	.88	.86	.84
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.82	.87	.84	.81	.85	.82	.79	.78
4.0	.87	.82	.77	.86	.81	.77	.84	.79	.76	.82	.78	.74	.80	.76	.73	.72
5.0	.81	.75	.71	.80	.75	.70	.78	.73	.70	.77	.72	.69	.75	.71	.68	.66
6.0	.76	.70	.65	.75	.69	.65	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
7.0	.71	.65	.60	.70	.64	.60	.69	.63	.60	.67	.63	.59	.66	.62	.59	.57
8.0	.67	.60	.56	.66	.60	.56	.65	.59	.55	.63	.59	.55	.62	.58	.55	.53
9.0	.62	.56	.52	.62	.56	.52	.61	.55	.52	.60	.55	.51	.59	.54	.51	.50
10.0	.59	.53	.49	.58	.52	.49	.57	.52	.48	.56	.52	.48	.56	.51	.48	.47



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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm					
NAME: DL2082-WHTC15C01			TYPE:		WEIGHT:
SPEC.: white RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 75mm		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	.189	.108	.034	.182	.104	.033	.168	.097	.031	.156	.090	.029	.144	.084	.027	
2.0	.181	.099	.030	.175	.096	.030	.163	.091	.028	.153	.086	.027	.143	.081	.026	
3.0	.173	.092	.028	.167	.090	.027	.157	.085	.026	.148	.081	.025	.140	.077	.024	
4.0	.164	.085	.025	.160	.084	.025	.151	.080	.024	.143	.077	.023	.136	.074	.022	
5.0	.157	.080	.023	.153	.078	.023	.145	.076	.022	.138	.073	.022	.131	.070	.021	
6.0	.150	.075	.021	.146	.074	.021	.139	.071	.021	.133	.069	.020	.127	.067	.020	
7.0	.143	.071	.020	.140	.070	.020	.134	.068	.019	.128	.066	.019	.123	.064	.019	
8.0	.137	.067	.019	.134	.066	.019	.128	.064	.018	.123	.062	.018	.118	.061	.018	
9.0	.131	.063	.018	.128	.063	.018	.123	.061	.017	.119	.060	.017	.114	.058	.017	
10.0	.125	.060	.017	.123	.059	.017	.119	.058	.016	.114	.057	.016	.110	.056	.016	

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	.169	.156	.158	.145	.134	.108	.100	.093	.062	.058	.054	.020	.019	.017	
2.0	.170	.145	.124	.145	.125	.107	.100	.086	.075	.057	.050	.044	.018	.016	.014	
3.0	.158	.126	.100	.136	.109	.087	.093	.076	.061	.054	.044	.036	.017	.014	.012	
4.0	.148	.112	.083	.127	.096	.072	.088	.067	.051	.051	.039	.030	.016	.013	.010	
5.0	.140	.100	.071	.120	.087	.061	.083	.061	.043	.048	.036	.026	.015	.012	.008	
6.0	.133	.091	.061	.114	.079	.053	.079	.055	.038	.046	.032	.022	.015	.011	.007	
7.0	.127	.084	.053	.109	.072	.047	.075	.051	.033	.044	.030	.020	.014	.010	.006	
8.0	.121	.078	.048	.104	.067	.041	.072	.047	.029	.042	.028	.018	.014	.009	.006	
9.0	.116	.072	.043	.100	.063	.037	.069	.044	.027	.040	.026	.016	.013	.009	.005	
10.0	.112	.068	.039	.096	.059	.034	.067	.042	.024	.039	.025	.014	.013	.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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm											
NAME: DL2082-WHTC15C01						TYPE:			WEIGHT:		
SPEC.: white RA90 3000K+5000K						DIM.:			SERIAL No.:		
MFR.:						SUR.: 75mm			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	2H	20.6	21.6	20.8	21.8	22.0	20.7	21.7	21.0	21.9	22.1
	3H	20.5	21.4	20.7	21.6	21.8	20.6	21.5	20.9	21.8	22.0
	4H	20.4	21.3	20.7	21.5	21.8	20.6	21.4	20.9	21.7	21.9
	6H	20.3	21.1	20.7	21.4	21.7	20.5	21.3	20.8	21.6	21.9
	8H	20.3	21.1	20.7	21.4	21.7	20.5	21.3	20.8	21.6	21.8
	12H	20.3	21.0	20.6	21.3	21.6	20.5	21.2	20.8	21.5	21.8
4H	2H	20.3	21.2	20.6	21.4	21.7	20.5	21.4	20.8	21.6	21.9
	3H	20.2	21.0	20.6	21.3	21.6	20.4	21.1	20.8	21.4	21.8
	4H	20.2	20.9	20.6	21.2	21.5	20.4	21.0	20.7	21.4	21.7
	6H	20.2	20.8	20.6	21.1	21.5	20.3	20.9	20.7	21.3	21.7
	8H	20.1	20.7	20.6	21.1	21.5	20.3	20.9	20.7	21.3	21.7
	12H	20.1	20.6	20.6	21.0	21.4	20.3	20.8	20.8	21.2	21.6
8H	4H	20.1	20.6	20.5	21.0	21.4	20.2	20.8	20.7	21.2	21.6
	6H	20.1	20.5	20.5	20.9	21.4	20.2	20.7	20.7	21.1	21.6
	8H	20.1	20.5	20.5	20.9	21.4	20.3	20.6	20.7	21.1	21.6
	12H	20.1	20.4	20.6	20.9	21.4	20.3	20.6	20.8	21.1	21.6
12H	4H	20.0	20.5	20.5	20.9	21.4	20.2	20.7	20.6	21.1	21.5
	6H	20.0	20.4	20.5	20.9	21.3	20.2	20.6	20.7	21.0	21.5
	8H	20.0	20.4	20.5	20.8	21.3	20.2	20.6	20.7	21.0	21.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.1 / - 8.0					+ 3.2 / - 8.0					
1.5H	+ 5.8 / - 7.5					+ 5.8 / - 7.6					
2.0H	+ 2.3 / - 0.7					+ 2.3 / - 0.7					

CIE Pub.117, 1232 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.7)
Area: 0.00442 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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

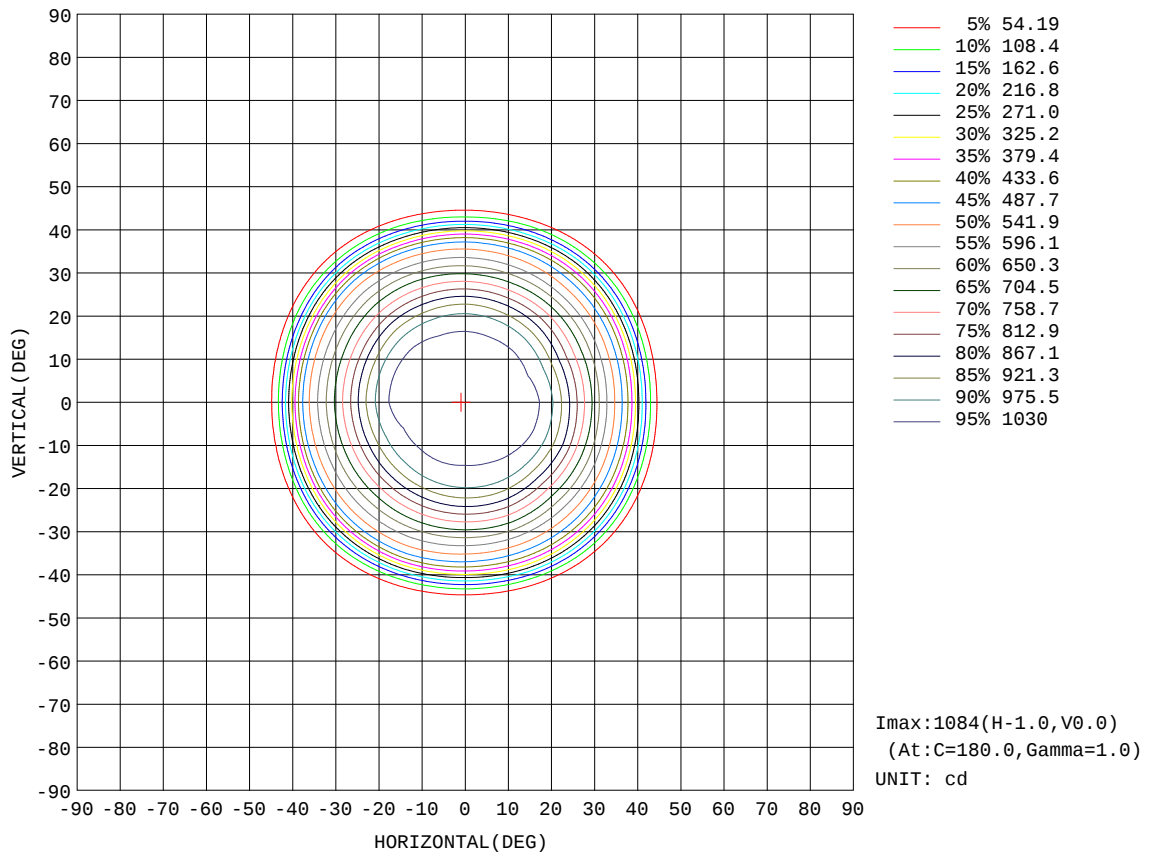
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	82	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	101	96	92	99	94	91	87
1.50	105	100	96	103	99	96	101	97	94	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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

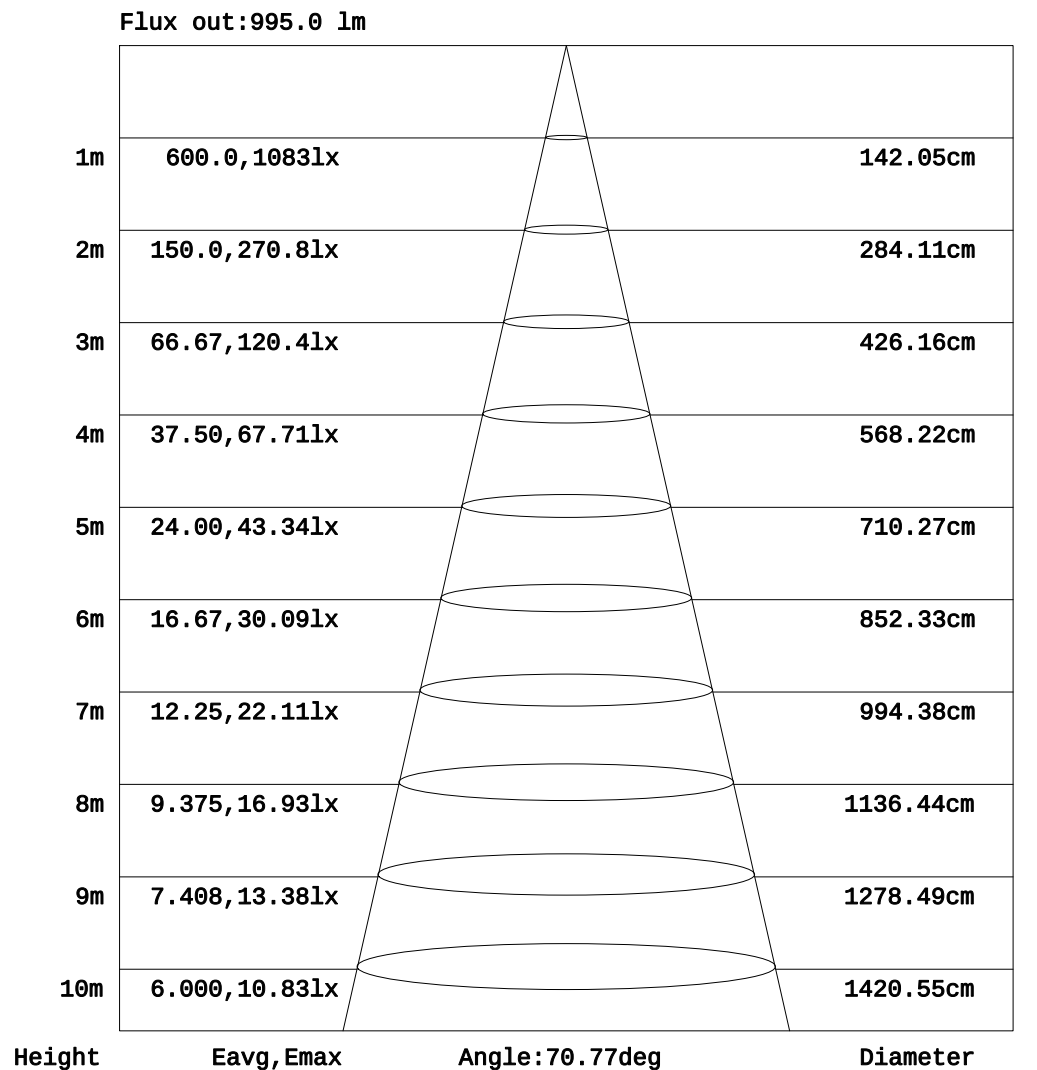


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-25

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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:



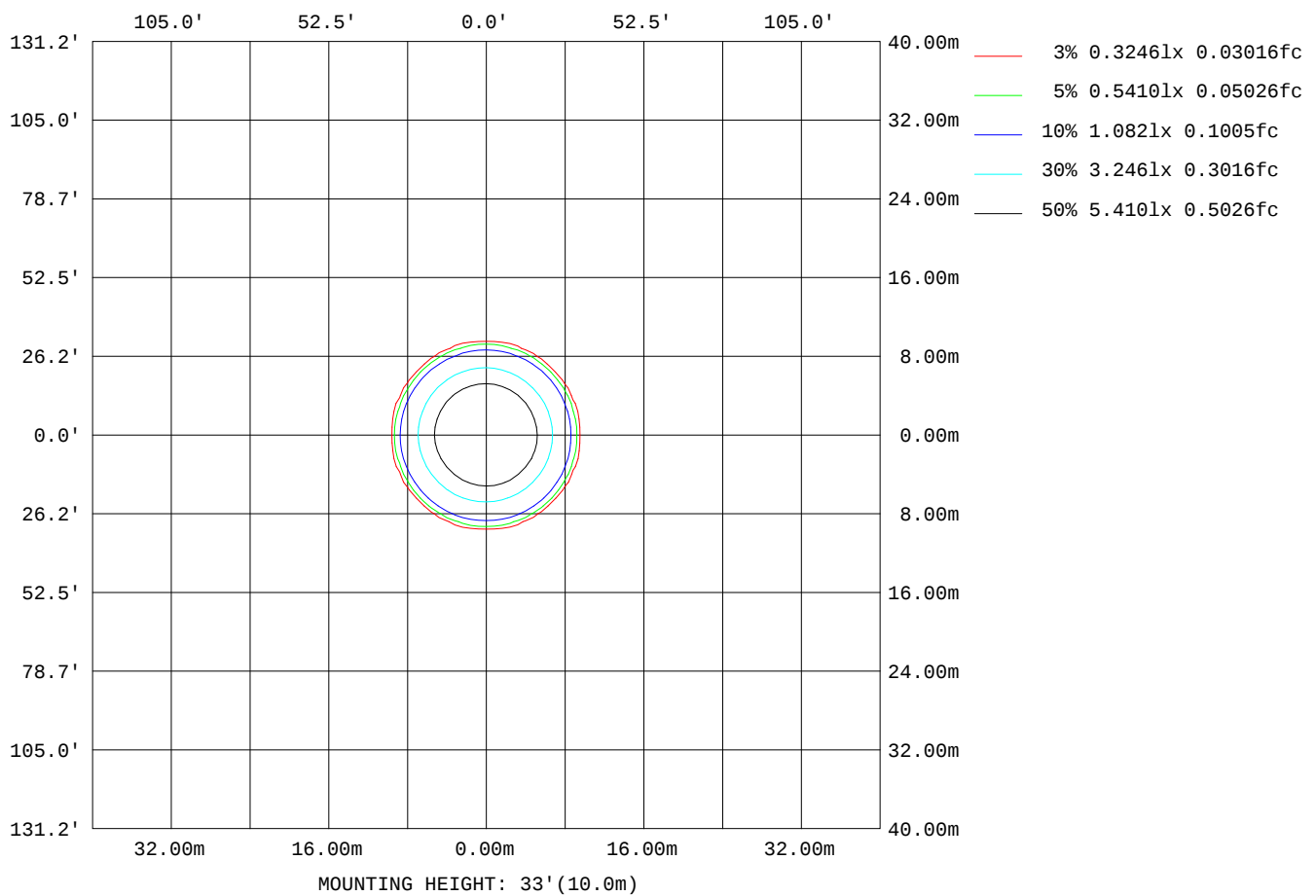
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

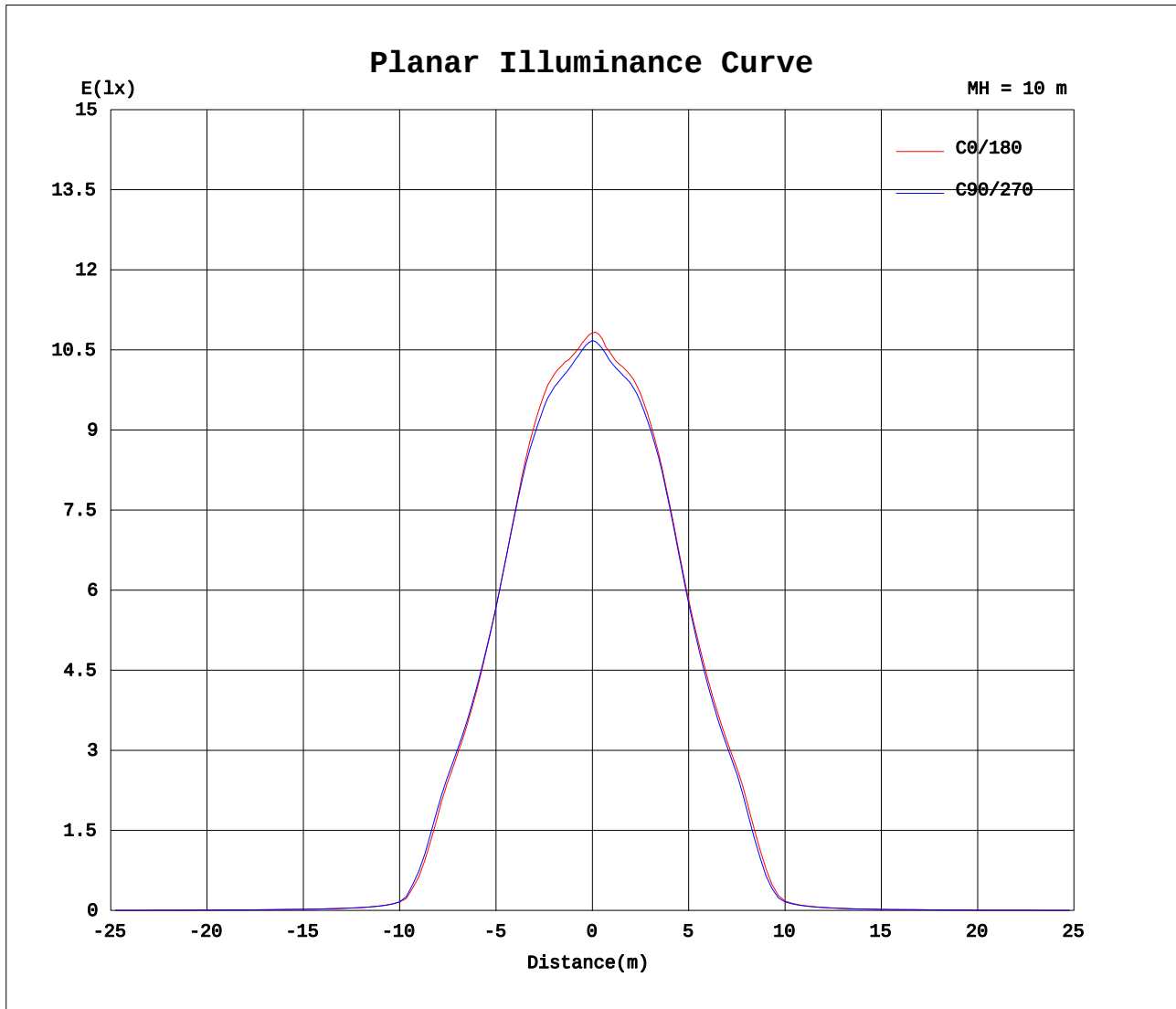
AvgL	cd/m2
L_0~180(65)av	5027
L_0~180(75)av	4275
L_0~180(85)av	5462
L_90~270(65)av	4962
L_90~270(75)av	4323
L_90~270(85)av	6039
L_45(65)av	4960
L_45(75)av	4255
L_45(85)av	5678

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:231.14V I:0.0555A P:12.502W PF:0.9750 Freq:49.99Hz Lamp Flux:1231.52x1 lm																	
NAME: DL2082-WHTC15C01									TYPE:						WEIGHT:		
SPEC.: white RA90 3000K+5000K									DIM.:						SERIAL No.:		
MFR.:									SUR.: 75mm						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	1082	1078	1073	1069	1068	1064	1062	1061	1082	1078	1073	1069	1068	1064	1062	1061	
5	1058	1052	1050	1047	1044	1042	1039	1037	1060	1054	1050	1046	1044	1039	1037	1036	
10	1062	1055	1047	1040	1036	1035	1034	1036	1059	1056	1049	1046	1043	1042	1042	1040	
15	1053	1045	1036	1030	1027	1029	1030	1034	1055	1055	1052	1042	1039	1039	1039	1035	
20	983	984	976	975	972	970	969	976	995	995	994	989	988	982	977	968	
25	843	855	838	847	843	840	840	848	862	861	864	855	854	846	842	830	
30	685	688	682	693	692	693	693	702	715	712	715	709	698	689	687	681	
35	532	536	537	543	548	559	560	565	575	571	572	563	557	546	533	534	
40	289	300	308	319	321	330	324	329	343	325	318	304	306	300	295	287	
45	46.0	46.8	45.9	47.1	46.5	47.7	48.6	49.1	51.1	50.6	49.0	47.5	46.1	45.2	45.6	46.0	
50	22.7	22.7	22.5	22.5	22.0	21.7	21.7	21.9	22.8	22.3	22.1	22.0	22.2	22.0	22.3	22.4	
55	15.8	15.8	15.5	15.5	15.3	15.2	14.8	14.8	15.2	15.1	14.9	14.8	14.9	15.0	15.3	15.5	
60	12.1	12.2	12.1	12.1	11.9	11.8	11.5	11.5	11.7	11.7	11.6	11.5	11.5	11.6	11.8	11.8	
65	9.45	9.52	9.45	9.53	9.40	9.33	9.11	9.03	9.33	9.29	9.24	9.18	9.13	9.15	9.25	9.22	
70	7.08	7.19	7.20	7.33	7.33	7.25	7.17	7.17	7.28	7.11	7.09	7.09	7.03	6.98	7.03	7.01	
75	4.80	4.88	4.94	5.08	5.11	5.16	5.00	4.93	4.98	4.92	4.84	4.82	4.78	4.71	4.69	4.70	
80	3.23	3.34	3.45	3.58	3.66	3.67	3.59	3.44	3.46	3.39	3.34	3.30	3.25	3.24	3.19	3.16	
85	1.86	1.95	2.12	2.34	2.49	2.52	2.45	2.35	2.35	2.28	2.23	2.22	2.16	2.08	1.95	1.84	
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	
95	0.01	0.02	0.01	0.03	0.01	0.03	0.01	0.03	0.05	0.02	0.04	0.02	0.05	0.02	0.05	0.02	
100	0.03	0.07	0.03	0.07	0.02	0.06	0.01	0.06	0.10	0.05	0.10	0.06	0.09	0.05	0.10	0.05	
105	0.13	0.17	0.13	0.17	0.13	0.16	0.13	0.16	0.21	0.16	0.21	0.17	0.21	0.17	0.21	0.16	
110	0.30	0.33	0.28	0.32	0.27	0.32	0.26	0.31	0.40	0.35	0.40	0.36	0.41	0.36	0.41	0.36	
115	0.57	0.62	0.56	0.60	0.55	0.58	0.53	0.57	0.70	0.66	0.70	0.67	0.72	0.69	0.72	0.69	
120	1.03	1.06	1.01	1.03	0.98	1.00	0.96	0.99	1.19	1.14	1.19	1.16	1.21	1.18	1.21	1.18	
125	1.73	1.75	1.69	1.69	1.65	1.66	1.61	1.63	1.91	1.89	1.93	1.92	1.95	1.94	1.97	1.94	
130	2.91	2.89	2.84	2.82	2.78	2.75	2.72	2.71	3.02	3.01	3.05	3.07	3.10	3.09	3.12	3.12	
135	4.43	4.38	4.34	4.32	4.27	4.24	4.21	4.19	4.54	4.45	4.55	4.55	4.58	4.59	4.60	4.59	
140	6.12	5.99	5.97	5.93	5.89	5.86	5.86	5.81	6.23	6.15	6.19	6.16	6.14	6.16	6.20	6.16	
145	7.59	7.45	7.41	7.45	7.48	7.39	7.34	7.29	7.78	7.67	7.73	7.68	7.71	7.64	7.70	7.60	
150	8.84	8.65	8.58	8.71	8.84	8.68	8.55	8.58	9.11	8.95	9.00	9.03	9.10	8.98	8.95	8.79	
155	9.75	9.58	9.42	9.64	9.78	9.65	9.44	9.57	10.1	9.88	9.96	10.1	10.2	9.99	9.87	9.67	
160	10.6	10.4	10.3	10.5	10.6	10.5	10.3	10.5	10.9	10.7	10.8	10.9	11.1	10.9	10.7	10.5	
165	11.4	11.3	11.1	11.4	11.5	11.3	11.3	11.4	11.8	11.6	11.5	11.7	11.9	11.7	11.4	11.3	
170	12.3	12.2	12.2	12.3	12.3	12.3	12.3	12.5	12.6	12.6	12.5	12.3	12.4	12.3	12.2	12.2	
175	13.2	13.2	13.2	13.3	13.1	13.1	13.3	13.3	13.4	13.2	13.5	13.2	13.0	13.1	13.1	13.1	
180	13.8	13.8	13.9	13.8	13.7	13.6	13.8	13.6	13.9	13.8	14.0	13.7	13.6	13.8	13.6		

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