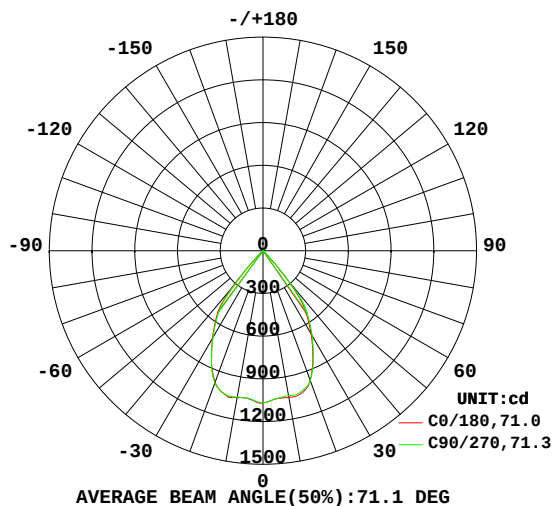


LUMINAIRE PHOTOMETRIC TEST REPORT

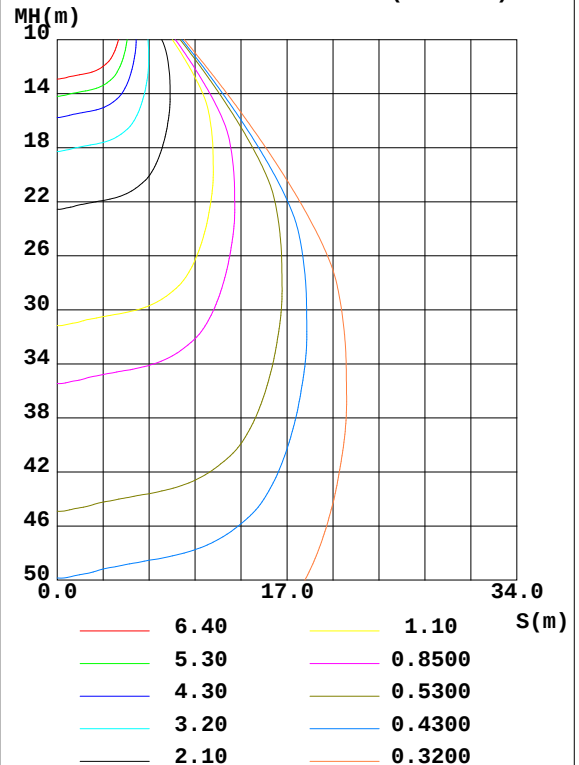
Test:U:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 99.86 lm/W			
MODEL	TB8-1911A 4000K	I _{max} (cd)	1071	S/MH(C0/180)	1.06
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.05
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1229.3	η UP, DN(C0-180)	0.8, 48.8
NOMINAL FLUX(lm)	1229.35	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 49.6
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:2025-05-20

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:

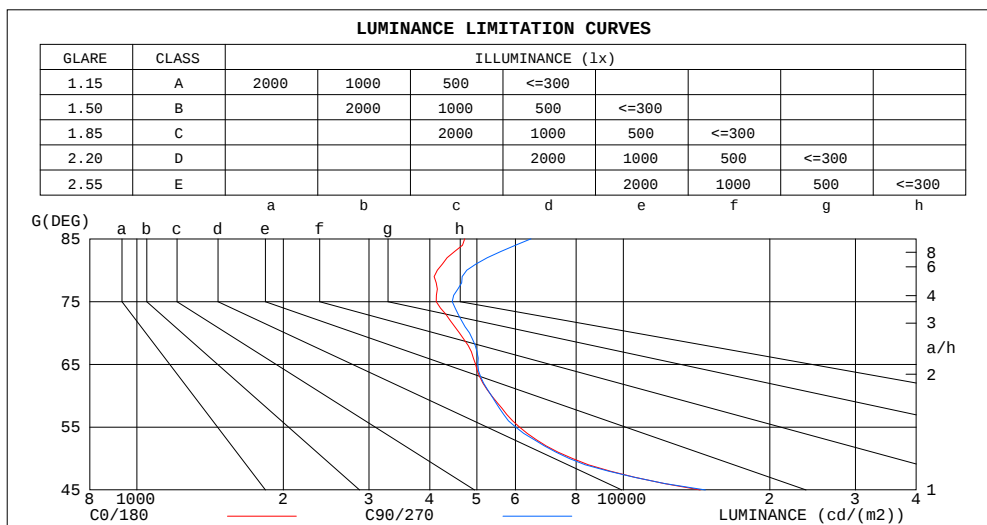
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1046	1040	1033	1039	1048	1047	1044	1046	0- 10	99.65	99.65	8.11, 8.11
20	969.1	969.7	969.6	970.9	984.7	993.5	989.5	981.3	10- 20	290.8	390.4	31.8, 31.8
30	677.2	676.9	690.2	696.0	709.6	716.6	702.7	690.2	20- 30	386.1	776.5	63.2, 63.2
40	279.4	295.0	312.5	322.9	343.9	329.6	312.7	295.6	30- 40	333.8	1110	90.3, 90.3
50	22.31	22.37	21.97	21.75	22.31	21.82	22.01	22.34	40- 50	69.02	1179	95.9, 95.9
60	11.84	12.04	11.83	11.52	11.51	11.47	11.48	11.80	50- 60	14.01	1193	97.1, 97.1
70	6.960	7.135	7.300	7.175	7.143	7.055	7.032	7.031	60- 70	9.196	1203	97.8, 97.8
80	3.182	3.430	3.660	3.591	3.410	3.305	3.241	3.167	70- 80	5.308	1208	98.2, 98.2
90	0.0047	0.0002	0.0049	0.0050	0.0184	0.0184	0.0184	0.0139	80- 90	2.027	1210	98.4, 98.4
100	0.0228	0.0182	0.0137	0.0091	0.0920	0.0875	0.0921	0.0966	90-100	0.0270	1210	98.4, 98.4
110	0.2937	0.2798	0.2751	0.2660	0.3864	0.3955	0.4048	0.4048	100-110	0.1820	1210	98.4, 98.4
120	1.023	1.005	0.9863	0.9546	1.154	1.168	1.200	1.209	110-120	0.6474	1211	98.5, 98.5
130	2.895	2.854	2.790	2.721	2.962	2.998	3.063	3.113	120-130	1.659	1212	98.6, 98.6
140	6.078	5.982	5.913	5.867	6.122	6.104	6.104	6.210	130-140	3.400	1216	98.9, 98.9
150	8.735	8.579	8.854	8.556	8.960	8.891	9.053	8.979	140-150	4.667	1220	99.3, 99.3
160	10.46	10.26	10.66	10.32	10.75	10.65	10.99	10.68	150-160	4.481	1225	99.6, 99.6
170	12.13	12.11	12.26	12.35	12.42	12.36	12.30	12.21	160-170	3.215	1228	99.9, 99.9
180	13.65	13.87	13.66	13.81	13.67	13.87	13.66	13.81	170-180	1.227	1229	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 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	4721	6460
80	4145	4768
75	4124	4449
70	4604	4829
65	4968	5022
60	5360	5355
55	6118	6004
50	7852	7734
45	14383	14737

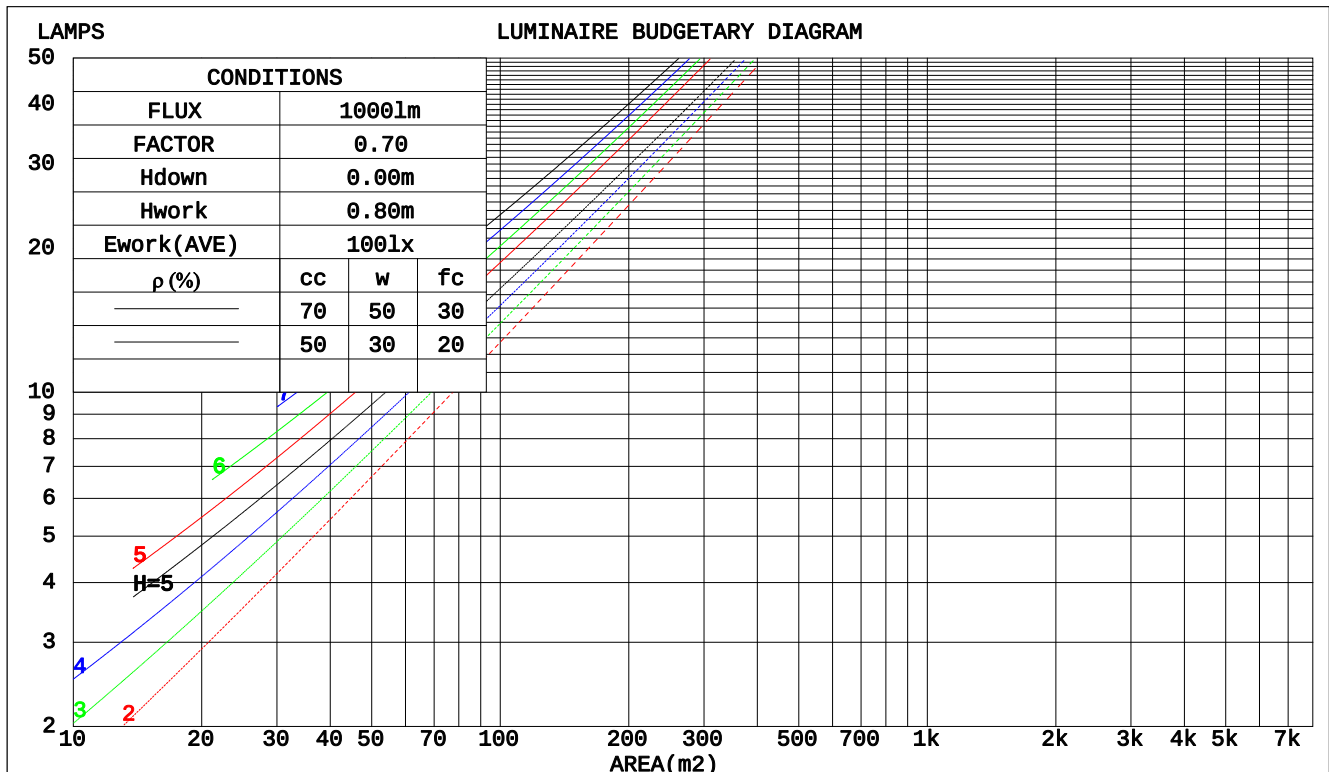
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 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: 2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 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	.025		
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	.075	.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		

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	.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	.075	.061	.054	.044	.036	.017	.014	.012	
4.0	.148	.111	.083	.127	.096	.072	.088	.067	.051	.051	.039	.030	.016	.013	.010	
5.0	.140	.100	.071	.120	.087	.061	.083	.060	.043	.048	.036	.026	.015	.012	.008	
6.0	.133	.091	.061	.114	.079	.053	.079	.055	.037	.046	.032	.022	.015	.011	.007	
7.0	.127	.084	.053	.109	.072	.046	.075	.051	.033	.044	.030	.020	.014	.010	.006	
8.0	.121	.078	.047	.104	.067	.041	.072	.047	.029	.042	.028	.017	.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:2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 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	20.5	21.5	20.8	21.7	21.9	20.7	21.7	20.9	21.9	22.1	
	3H	20.4	21.3	20.7	21.5	21.8	20.6	21.5	20.8	21.7	21.9
	4H	20.3	21.2	20.6	21.4	21.7	20.5	21.4	20.8	21.6	21.9
	6H	20.3	21.1	20.6	21.3	21.6	20.4	21.3	20.8	21.5	21.8
	8H	20.2	21.0	20.6	21.3	21.6	20.4	21.2	20.8	21.5	21.8
	12H	20.2	20.9	20.6	21.2	21.6	20.4	21.1	20.8	21.4	21.8
4H	2H	20.3	21.1	20.6	21.4	21.6	20.4	21.3	20.7	21.5	21.8
	3H	20.2	20.9	20.5	21.2	21.5	20.3	21.1	20.7	21.4	21.7
	4H	20.1	20.8	20.5	21.1	21.5	20.3	21.0	20.7	21.3	21.6
	6H	20.1	20.7	20.5	21.0	21.4	20.3	20.9	20.7	21.2	21.6
	8H	20.1	20.6	20.5	21.0	21.4	20.3	20.8	20.7	21.2	21.6
	12H	20.0	20.5	20.5	20.9	21.4	20.3	20.8	20.7	21.2	21.6
8H	4H	20.0	20.6	20.4	20.9	21.3	20.2	20.7	20.6	21.1	21.5
	6H	20.0	20.4	20.4	20.9	21.3	20.2	20.6	20.6	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
	12H	20.0	20.3	20.5	20.8	21.3	20.2	20.6	20.7	21.0	21.5
12H	4H	20.0	20.5	20.4	20.9	21.3	20.1	20.6	20.6	21.0	21.5
	6H	20.0	20.3	20.4	20.8	21.3	20.1	20.5	20.6	21.0	21.5
	8H	20.0	20.3	20.5	20.8	21.3	20.2	20.5	20.7	21.0	21.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 3.2 / - 7.9					+ 3.2 / - 8.0					
1.5H	+ 5.9 / - 7.5					+ 5.9 / - 7.5					
2.0H	+ 2.3 / - 0.7					+ 2.3 / - 0.7					

CIE Pub.117, 1229 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:2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

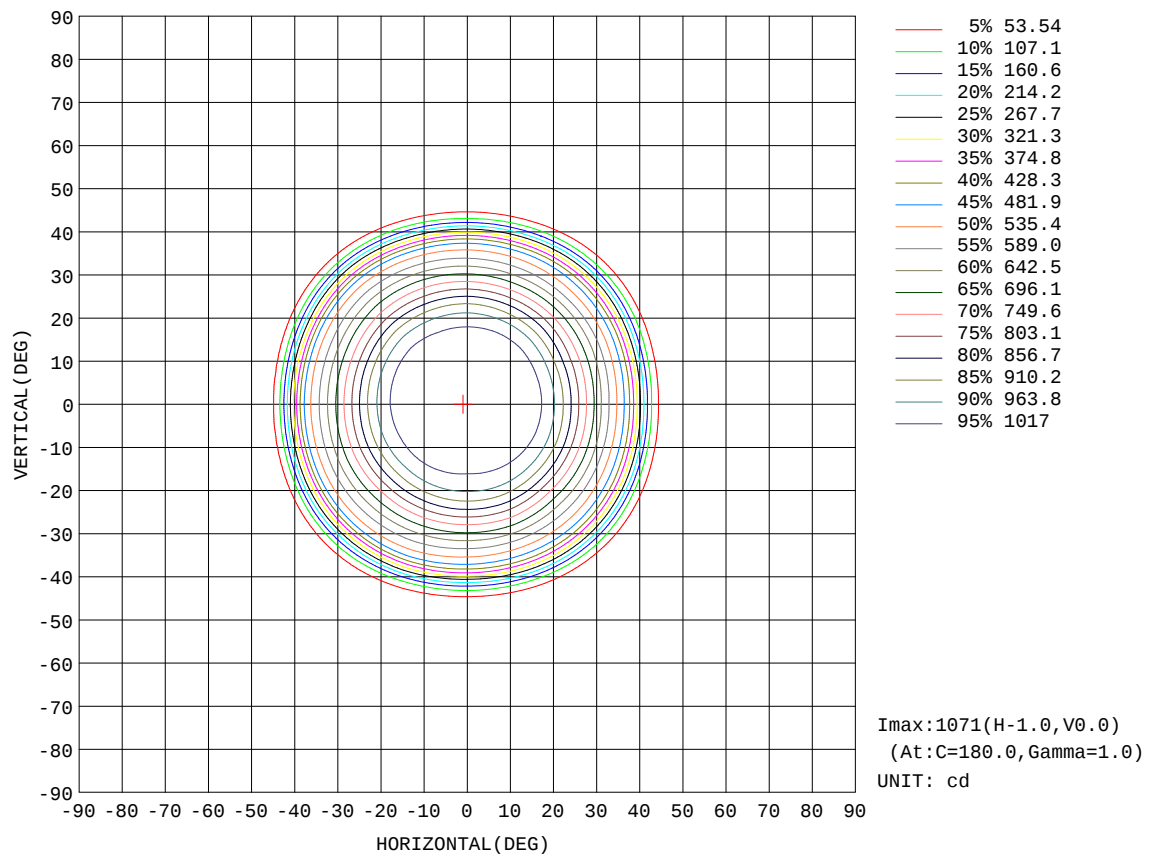
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	83	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:2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

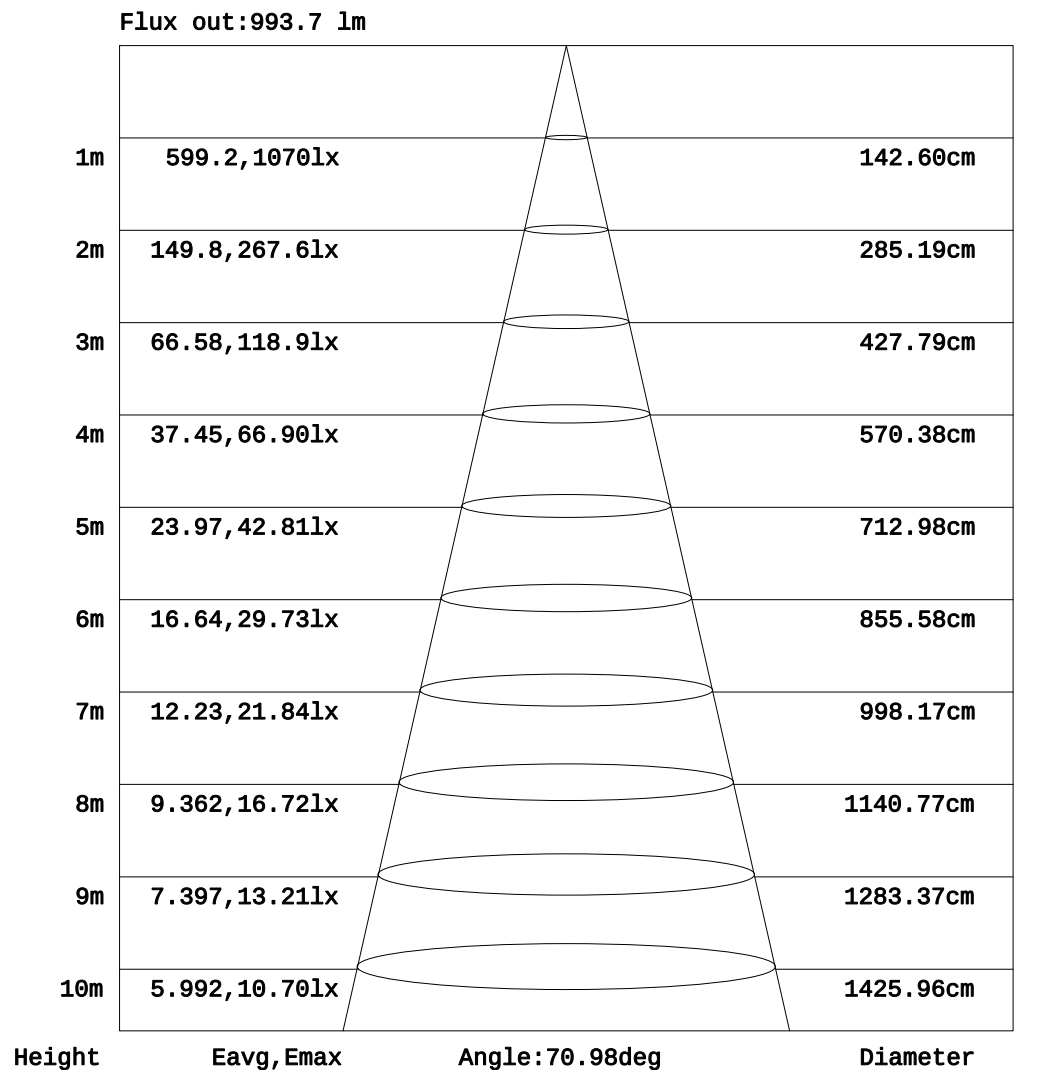


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:



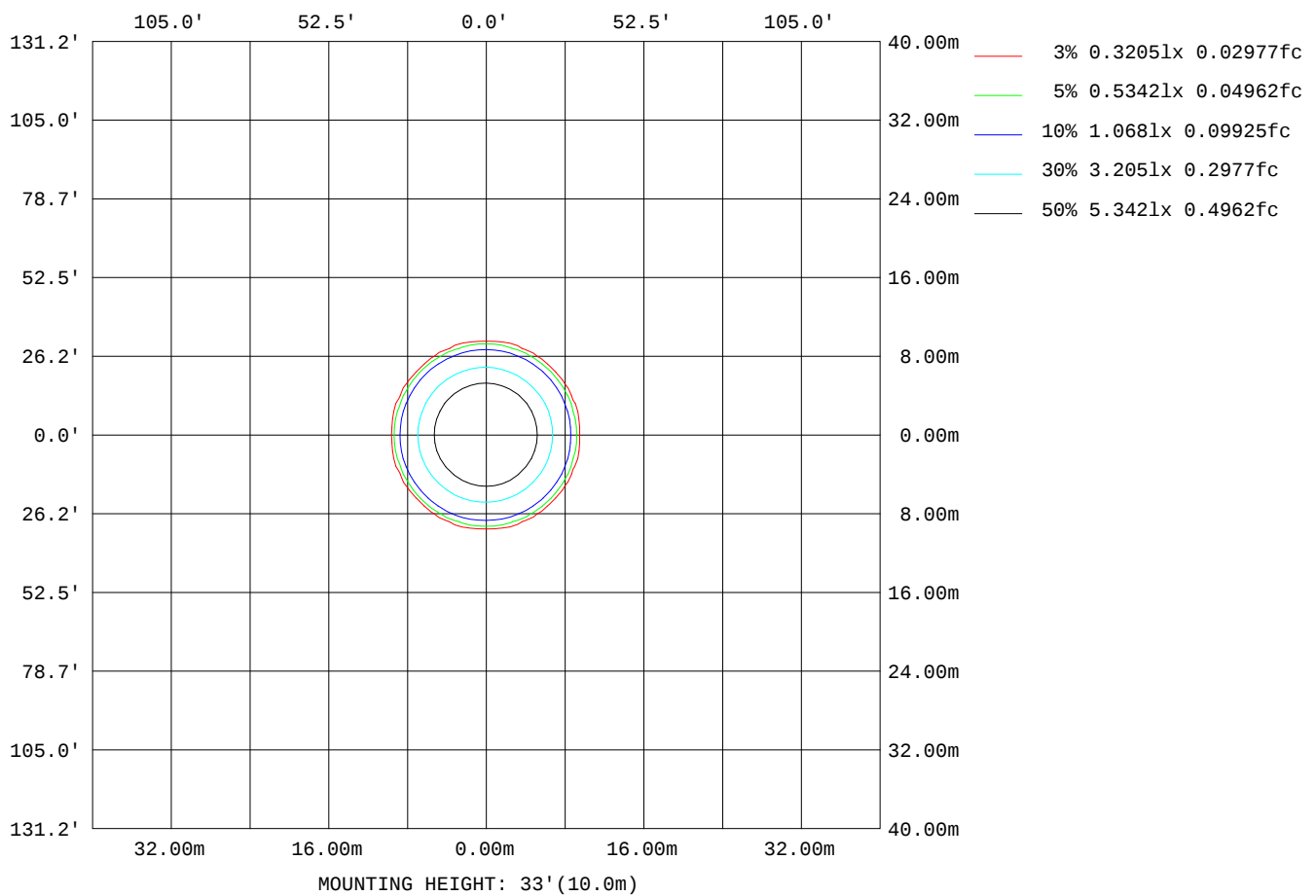
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 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: 2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 lm		
NAME: DL2082-WHTC15C01	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 75mm	Shielding Angle:

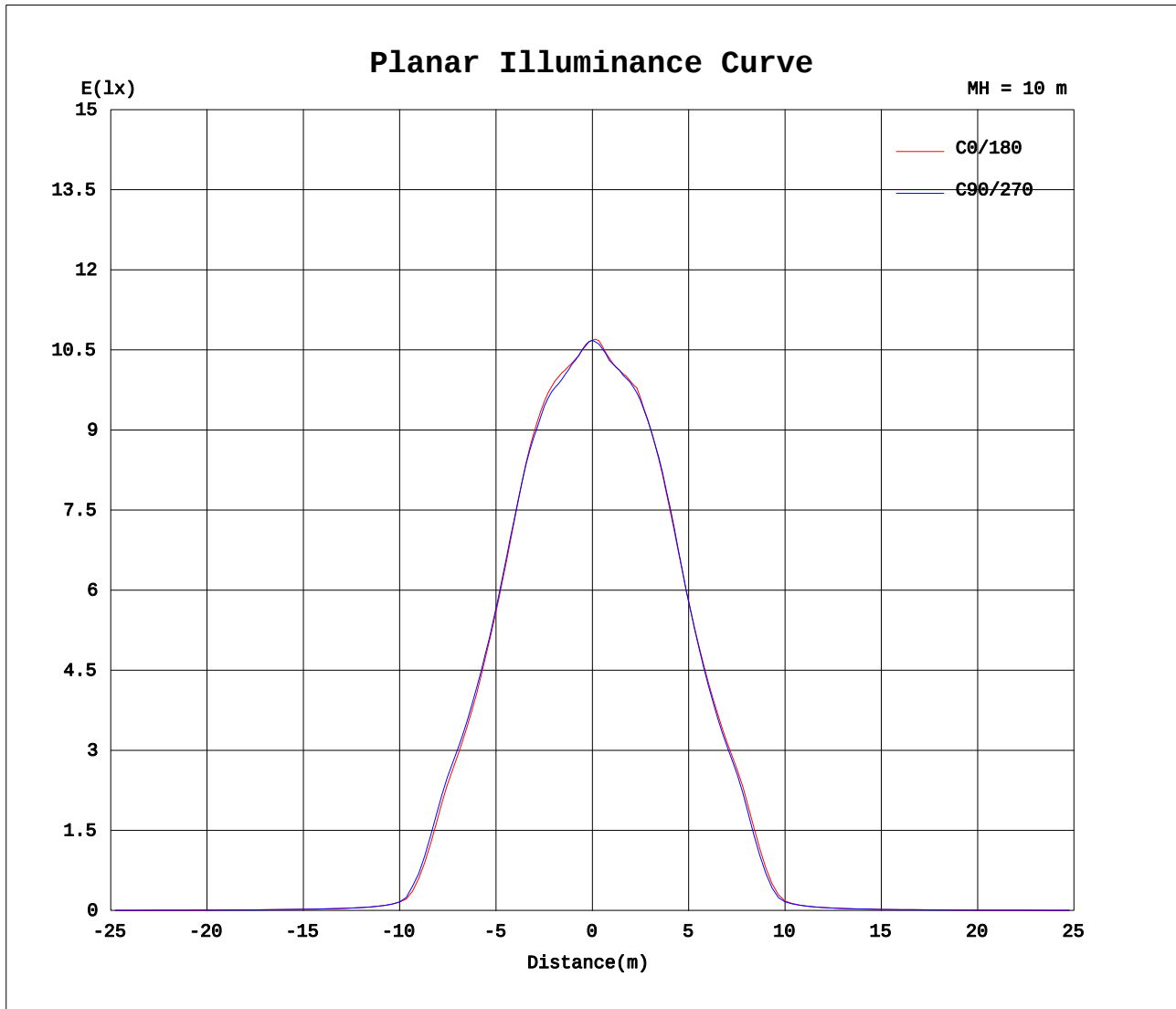
AvgL	cd/m2
L_0~180(65)av	4917
L_0~180(75)av	4201
L_0~180(85)av	5361
L_90~270(65)av	4930
L_90~270(75)av	4309
L_90~270(85)av	6009
L_45(65)av	4933
L_45(75)av	4244
L_45(85)av	5660

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-05-20

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: 2025-05-20

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:230.92V I:0.0547A P:12.311W PF:0.9738 Freq:49.99Hz Lamp Flux:1229.35x1 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	1068	1069	1070	1069	1068	1066	1066	1066	1068	1069	1070	1069	1068	1066	1066	1066	
5	1045	1045	1046	1045	1043	1043	1044	1043	1047	1046	1048	1045	1043	1042	1042	1040	
10	1046	1044	1040	1035	1033	1036	1039	1041	1048	1048	1047	1045	1044	1045	1046	1045	
15	1038	1036	1030	1027	1027	1030	1034	1037	1043	1048	1049	1043	1041	1043	1042	1040	
20	969	971	970	971	970	971	971	980	985	988	994	990	989	986	981	971	
25	830	833	830	840	838	840	842	854	856	859	866	859	857	851	846	832	
30	677	680	677	690	690	693	696	708	710	710	717	711	703	693	690	685	
35	526	530	536	541	548	559	562	568	571	570	572	564	557	549	536	535	
40	279	290	295	306	312	328	323	333	344	332	330	314	313	303	296	286	
45	45.0	45.6	45.2	46.4	46.1	47.6	48.4	49.3	50.6	50.1	48.5	47.0	46.0	45.1	45.8	46.0	
50	22.3	22.4	22.4	22.3	22.0	21.7	21.8	21.9	22.3	22.0	21.8	21.8	22.0	22.0	22.3	22.5	
55	15.5	15.6	15.4	15.4	15.2	15.1	14.8	14.8	14.9	14.9	14.8	14.7	14.9	15.0	15.3	15.4	
60	11.8	12.1	12.0	12.0	11.8	11.7	11.5	11.5	11.5	11.5	11.5	11.4	11.5	11.6	11.8	11.8	
65	9.28	9.38	9.41	9.47	9.38	9.32	9.12	9.03	9.09	9.13	9.10	9.06	9.04	9.10	9.23	9.23	
70	6.96	7.08	7.13	7.29	7.30	7.25	7.18	7.18	7.14	7.02	7.06	7.05	7.03	6.99	7.03	7.02	
75	4.72	4.83	4.91	5.05	5.09	5.15	5.01	4.94	4.89	4.88	4.81	4.79	4.77	4.72	4.69	4.71	
80	3.18	3.28	3.43	3.54	3.66	3.66	3.59	3.44	3.41	3.36	3.30	3.29	3.24	3.24	3.17	3.16	
85	1.82	1.93	2.11	2.34	2.49	2.53	2.46	2.36	2.31	2.26	2.21	2.21	2.14	2.07	1.94	1.84	
90	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	
95	0.00	0.02	0.00	0.02	0.00	0.02	0.00	0.02	0.05	0.01	0.05	0.02	0.05	0.02	0.04	0.01	
100	0.02	0.07	0.02	0.07	0.01	0.06	0.01	0.06	0.09	0.05	0.09	0.05	0.09	0.06	0.10	0.06	
105	0.13	0.16	0.13	0.15	0.12	0.15	0.12	0.15	0.21	0.16	0.20	0.17	0.21	0.17	0.21	0.17	
110	0.29	0.34	0.28	0.33	0.28	0.32	0.27	0.31	0.39	0.34	0.40	0.35	0.40	0.36	0.40	0.36	
115	0.57	0.61	0.56	0.59	0.54	0.58	0.54	0.57	0.69	0.64	0.69	0.66	0.71	0.67	0.72	0.68	
120	1.02	1.05	1.00	1.03	0.99	1.01	0.95	0.98	1.15	1.12	1.17	1.14	1.20	1.17	1.21	1.19	
125	1.72	1.72	1.69	1.70	1.66	1.66	1.61	1.63	1.87	1.85	1.89	1.88	1.94	1.93	1.97	1.96	
130	2.90	2.88	2.85	2.82	2.79	2.76	2.72	2.71	2.96	2.96	3.00	3.02	3.06	3.08	3.11	3.13	
135	4.41	4.36	4.38	4.33	4.30	4.26	4.22	4.18	4.45	4.44	4.48	4.51	4.54	4.57	4.60	4.61	
140	6.08	5.94	5.98	5.92	5.91	5.89	5.87	5.82	6.12	6.06	6.10	6.12	6.10	6.16	6.21	6.18	
145	7.51	7.37	7.41	7.44	7.52	7.41	7.37	7.30	7.64	7.55	7.63	7.61	7.67	7.65	7.72	7.64	
150	8.74	8.57	8.58	8.68	8.85	8.69	8.56	8.60	8.96	8.82	8.89	8.96	9.05	8.99	8.98	8.84	
155	9.63	9.47	9.41	9.59	9.80	9.67	9.46	9.60	9.95	9.77	9.85	9.99	10.2	9.99	9.90	9.72	
160	10.5	10.3	10.3	10.5	10.7	10.5	10.3	10.5	10.7	10.6	10.7	10.9	11.0	10.9	10.7	10.5	
165	11.3	11.2	11.1	11.4	11.5	11.3	11.3	11.4	11.6	11.5	11.4	11.7	11.8	11.7	11.4	11.3	
170	12.1	12.1	12.1	12.3	12.3	12.3	12.4	12.5	12.4	12.5	12.4	12.3	12.3	12.3	12.2	12.2	
175	13.0	13.0	13.2	13.2	13.1	13.1	13.3	13.3	13.2	13.3	13.4	13.2	12.9	13.1	13.2	13.1	
180	13.7	13.6	13.9	13.7	13.7	13.6	13.8	13.6	13.7	13.7	13.9	13.7	13.7	13.6	13.8	13.6	

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