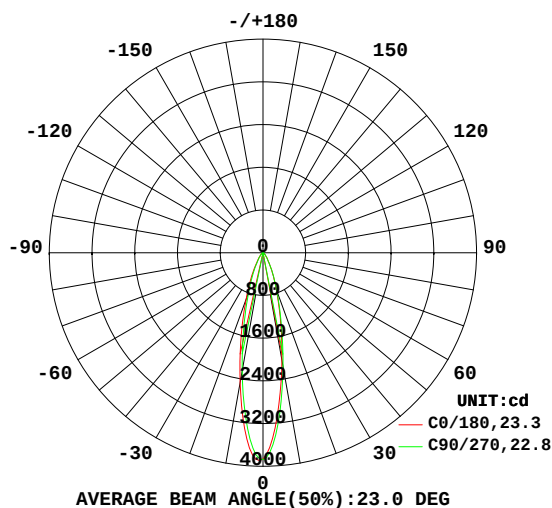


LUMINAIRE PHOTOMETRIC TEST REPORT

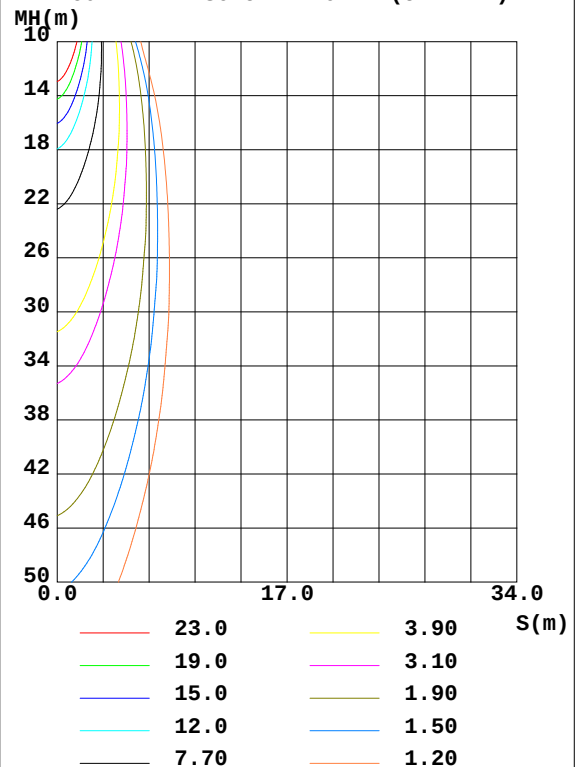
Test:U:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 82.50 lm/W			
MODEL	5000K	I _{max} (cd)	3893	S/MH(C0/180)	0.43
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1099.1	η UP, DN(C0-180)	0.8, 48.1
NOMINAL FLUX(lm)	1099.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 50.3
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	1.00

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: 2025-05-29

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:

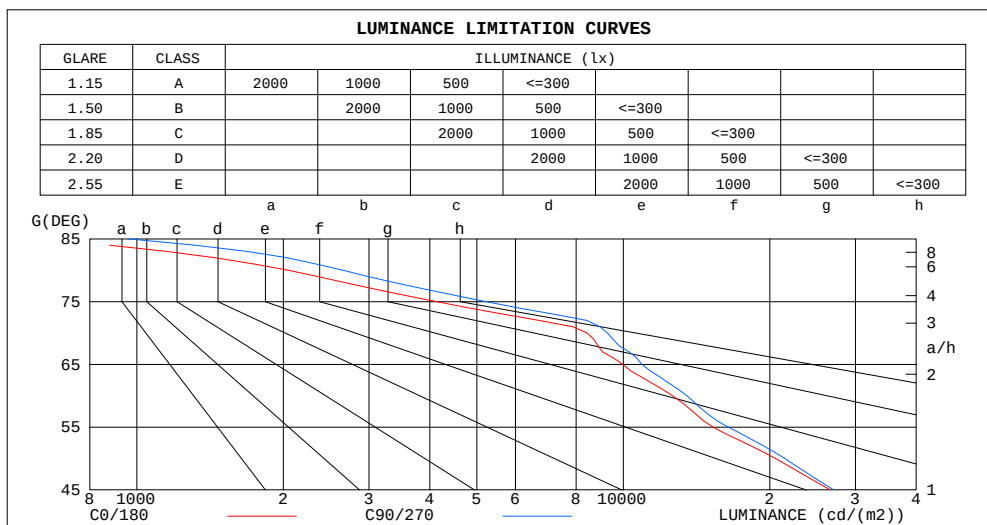
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2052	2063	2163	2333	2472	2395	2254	2148	0- 10	278.2	278.2	25.3,25.3
20	735.1	727.6	752.2	842.3	921.8	868.8	789.7	761.3	10- 20	381.1	659.3	60,60
30	234.7	237.8	245.1	271.5	296.8	281.0	256.0	245.6	20- 30	218.2	877.5	79.8,79.8
40	94.64	95.69	98.62	108.2	116.1	109.2	100.8	97.19	30- 40	100.7	978.3	89,89
50	43.82	44.70	45.82	48.03	50.23	48.43	45.92	44.85	40- 50	52.40	1031	93.8,93.8
60	20.95	21.62	22.43	23.16	23.78	22.93	22.18	21.59	50- 60	28.98	1060	96.4,96.4
70	9.563	10.08	10.53	11.10	11.85	11.11	10.55	10.03	60- 70	15.54	1075	97.8,97.8
80	1.179	1.280	1.529	1.792	2.040	1.902	1.577	1.324	70- 80	5.615	1081	98.3,98.3
90	0.0046	0.0047	0.0046	0.0047	0.0139	0.0139	0.0185	0.0185	80- 90	0.5092	1081	98.4,98.4
100	0.0642	0.0596	0.0552	0.0595	0.1104	0.1104	0.1242	0.1288	90-100	0.0413	1081	98.4,98.4
110	0.2707	0.2614	0.2294	0.2112	0.3127	0.3218	0.3356	0.3541	100-110	0.1857	1082	98.4,98.4
120	0.6883	0.6471	0.6103	0.5827	0.7265	0.7264	0.7540	0.8046	110-120	0.4564	1082	98.4,98.4
130	1.670	1.593	1.501	1.459	1.642	1.637	1.688	1.821	120-130	0.9730	1083	98.5,98.5
140	3.956	3.837	3.644	3.501	3.817	3.821	3.936	4.221	130-140	1.984	1085	98.7,98.7
150	8.075	7.846	7.662	7.318	7.779	7.820	8.068	8.426	140-150	3.529	1088	99,99
160	13.30	13.02	13.20	12.55	13.10	13.15	13.78	13.69	150-160	4.792	1093	99.5,99.5
170	16.07	15.99	16.43	16.49	16.56	16.60	16.61	16.21	160-170	4.260	1098	99.9,99.9
180	16.75	17.20	16.81	17.28	16.78	17.23	16.81	17.26	170-180	1.578	1099	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	593	960
80	2046	2652
75	4123	5211
70	8422	9272
65	9968	10922
60	12620	13514
55	15287	16429
50	20536	21471
45	26652	27086

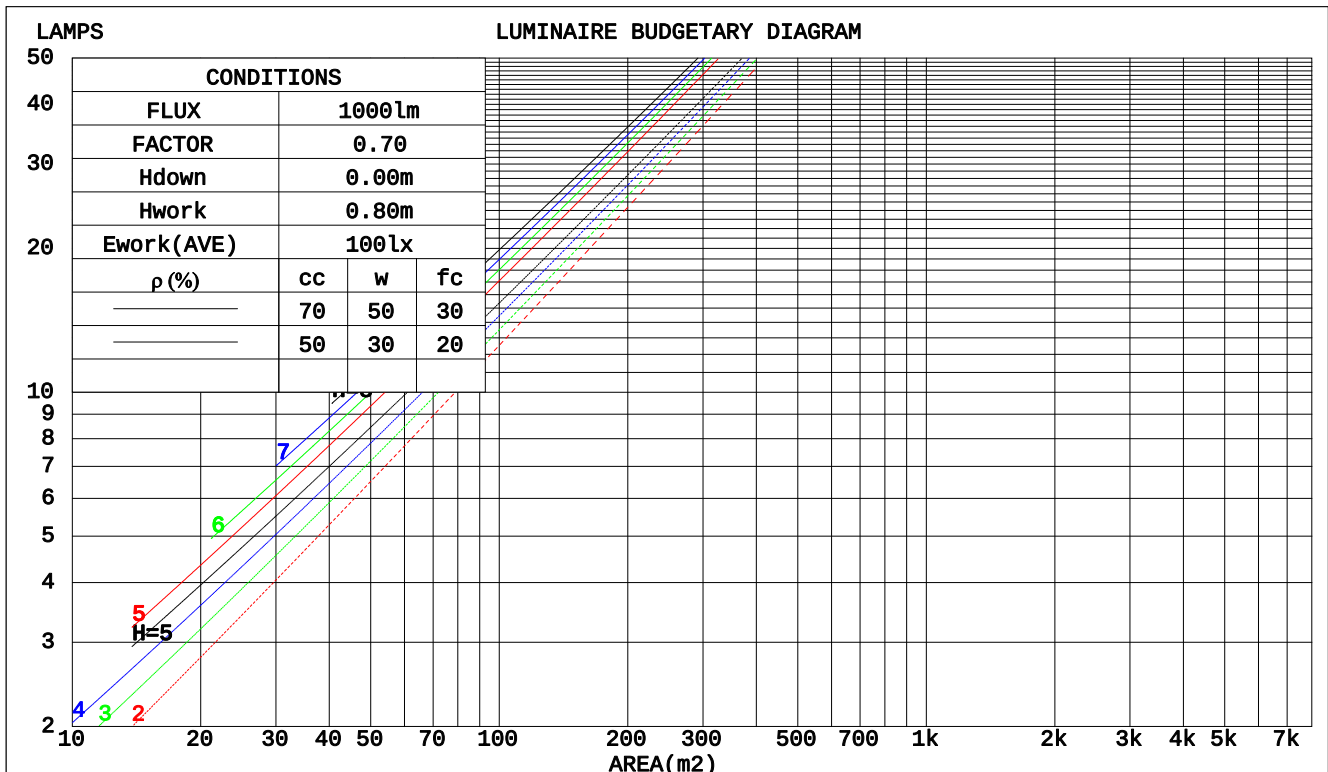
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	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	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.91	.89	.88
3.0	.98	.94	.90	.97	.93	.89	.94	.90	.88	.91	.88	.86	.89	.87	.85	.83
4.0	.93	.88	.84	.92	.87	.84	.89	.86	.82	.87	.84	.81	.85	.83	.80	.79
5.0	.88	.83	.79	.87	.82	.79	.85	.81	.78	.84	.80	.77	.82	.79	.76	.75
6.0	.84	.79	.75	.83	.78	.75	.82	.77	.74	.80	.76	.74	.79	.76	.73	.72
7.0	.80	.75	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.76	.72	.70	.69
8.0	.77	.72	.68	.76	.72	.68	.75	.71	.68	.74	.70	.67	.73	.70	.67	.66
9.0	.74	.69	.65	.73	.69	.65	.72	.68	.65	.71	.68	.65	.71	.67	.64	.63
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.62	.68	.65	.62	.61



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm					
NAME: TH3017-WHTC12C02			TYPE:		WEIGHT:
SPEC.: white RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 65mm		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	.165	.094	.030	.158	.090	.029	.145	.083	.027	.132	.076	.024	.121	.070	.023	
2.0	.156	.086	.026	.150	.083	.025	.139	.077	.024	.128	.072	.023	.119	.067	.021	
3.0	.147	.078	.023	.142	.076	.023	.132	.072	.022	.123	.068	.021	.115	.064	.020	
4.0	.138	.072	.021	.134	.070	.021	.126	.067	.020	.118	.063	.019	.111	.060	.018	
5.0	.131	.067	.019	.127	.065	.019	.119	.062	.018	.113	.059	.018	.106	.057	.017	
6.0	.123	.062	.018	.120	.061	.017	.114	.058	.017	.108	.056	.016	.102	.054	.016	
7.0	.117	.058	.016	.114	.057	.016	.109	.055	.016	.103	.053	.015	.098	.051	.015	
8.0	.111	.054	.015	.109	.054	.015	.104	.052	.015	.099	.050	.014	.095	.049	.014	
9.0	.106	.051	.014	.104	.051	.014	.099	.049	.014	.095	.048	.014	.091	.046	.013	
10.0	.101	.049	.013	.099	.048	.013	.095	.047	.013	.091	.045	.013	.088	.044	.013	

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	.183	.170	.158	.156	.146	.136	.107	.100	.094	.062	.058	.055	.020	.019	.018		
2.0	.167	.145	.127	.143	.125	.110	.098	.086	.077	.056	.050	.045	.018	.016	.015		
3.0	.153	.126	.104	.131	.109	.090	.090	.076	.063	.052	.044	.037	.017	.014	.012		
4.0	.142	.111	.087	.122	.096	.076	.084	.067	.054	.049	.039	.032	.016	.013	.010		
5.0	.133	.099	.075	.114	.086	.065	.078	.060	.046	.045	.035	.027	.015	.012	.009		
6.0	.124	.090	.065	.107	.078	.056	.074	.054	.040	.043	.032	.024	.014	.010	.008		
7.0	.117	.082	.057	.101	.071	.050	.070	.050	.035	.041	.029	.021	.013	.010	.007		
8.0	.111	.075	.051	.096	.065	.044	.066	.046	.032	.038	.027	.019	.012	.009	.006		
9.0	.106	.070	.046	.091	.061	.040	.063	.043	.028	.037	.025	.017	.012	.008	.006		
10.0	.101	.065	.042	.087	.057	.037	.060	.040	.026	.035	.024	.016	.011	.008	.005		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm										
NAME: TH3017-WHTC12C02					TYPE:			WEIGHT:		
SPEC.: white RA90 3000K+5000K					DIM.:			SERIAL No.:		
MFR.:					SUR.: 65mm			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	17.3	18.1	17.5	18.3	18.5	17.4	18.2	17.7	18.4	18.6
3H	17.7	18.4	17.9	18.6	18.9	17.8	18.6	18.1	18.8	19.0
4H	17.7	18.4	18.0	18.6	18.9	17.9	18.6	18.2	18.8	19.1
6H	17.6	18.3	17.9	18.5	18.8	17.8	18.5	18.2	18.8	19.0
8H	17.6	18.2	17.9	18.5	18.8	17.8	18.4	18.1	18.7	19.0
12H	17.5	18.1	17.9	18.4	18.7	17.8	18.4	18.1	18.7	19.0
4H 2H	17.4	18.2	17.7	18.4	18.6	17.5	18.2	17.8	18.5	18.7
3H	17.9	18.5	18.2	18.8	19.1	18.1	18.7	18.4	19.0	19.3
4H	17.9	18.5	18.3	18.8	19.1	18.1	18.7	18.5	19.0	19.4
6H	17.8	18.3	18.2	18.7	19.1	18.1	18.6	18.5	18.9	19.3
8H	17.8	18.3	18.2	18.6	19.0	18.0	18.5	18.5	18.9	19.3
12H	17.7	18.2	18.2	18.6	19.0	18.0	18.4	18.4	18.8	19.2
8H 4H	17.8	18.3	18.3	18.7	19.1	18.0	18.5	18.5	18.9	19.3
6H	17.8	18.2	18.2	18.6	19.0	18.0	18.4	18.5	18.8	19.3
8H	17.7	18.1	18.2	18.5	19.0	18.0	18.3	18.4	18.7	19.2
12H	17.7	18.0	18.2	18.4	18.9	17.9	18.2	18.4	18.7	19.2
12H 4H	17.8	18.2	18.2	18.6	19.0	18.0	18.4	18.4	18.8	19.2
6H	17.7	18.1	18.2	18.5	19.0	18.0	18.3	18.4	18.7	19.2
8H	17.7	18.0	18.2	18.4	18.9	17.9	18.2	18.4	18.7	19.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.3 / - 1.9					+ 1.2 / - 1.7				
1.5H	+ 1.9 / - 1.3					+ 1.7 / - 1.2				
2.0H	+ 2.1 / - 1.7					+ 2.0 / - 1.7				

CIE Pub.117, 1099 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.3)
Area: 0.00332 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

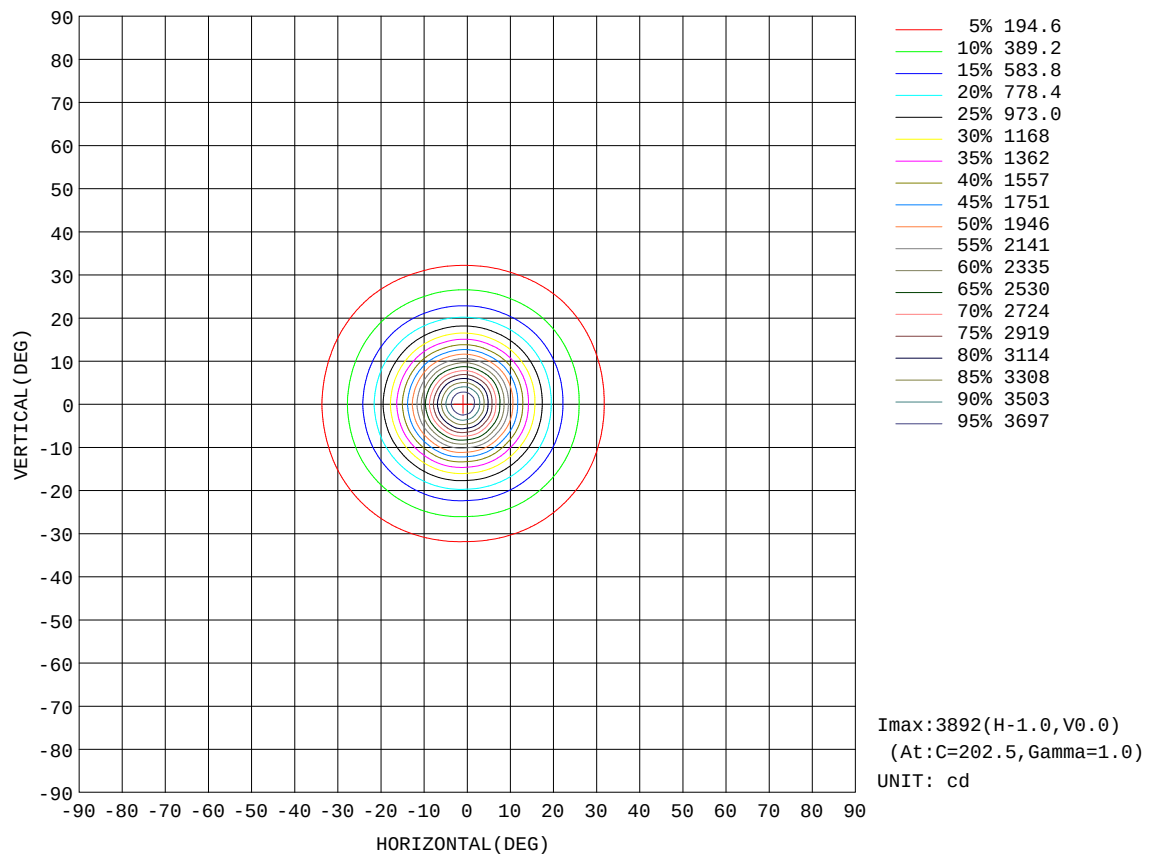
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	100	97	94	89
2.00	107	103	99	106	102	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	95
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:2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

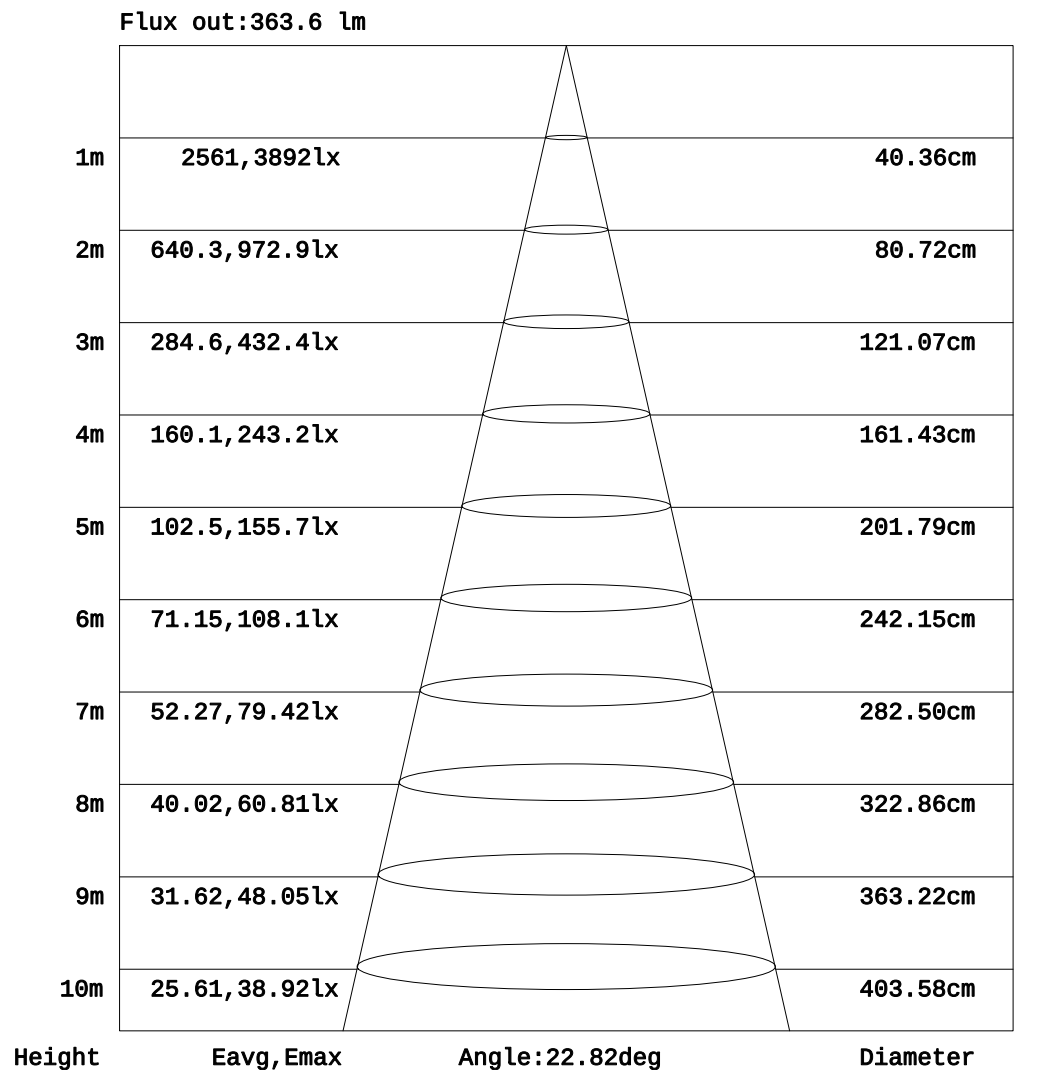


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



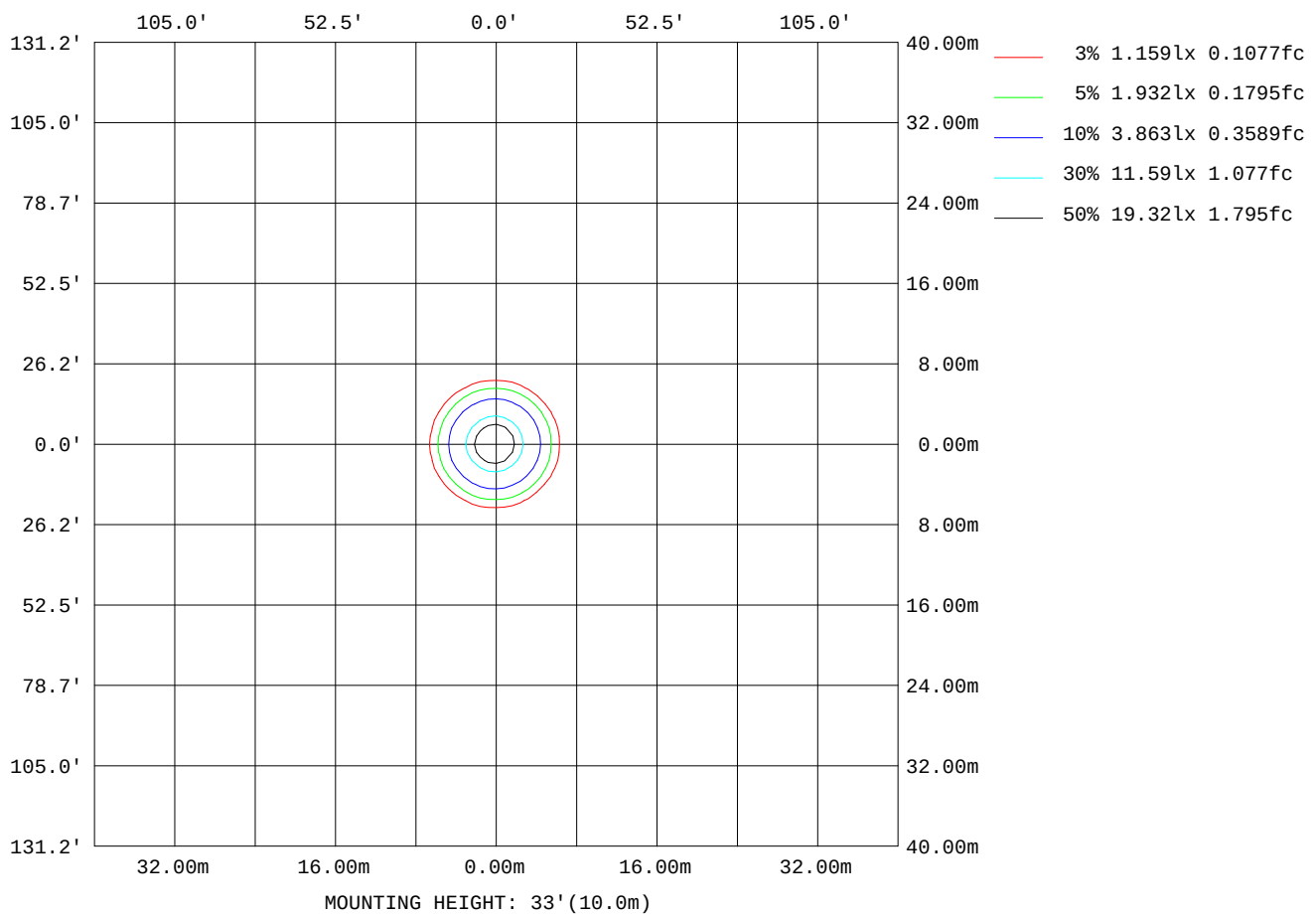
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

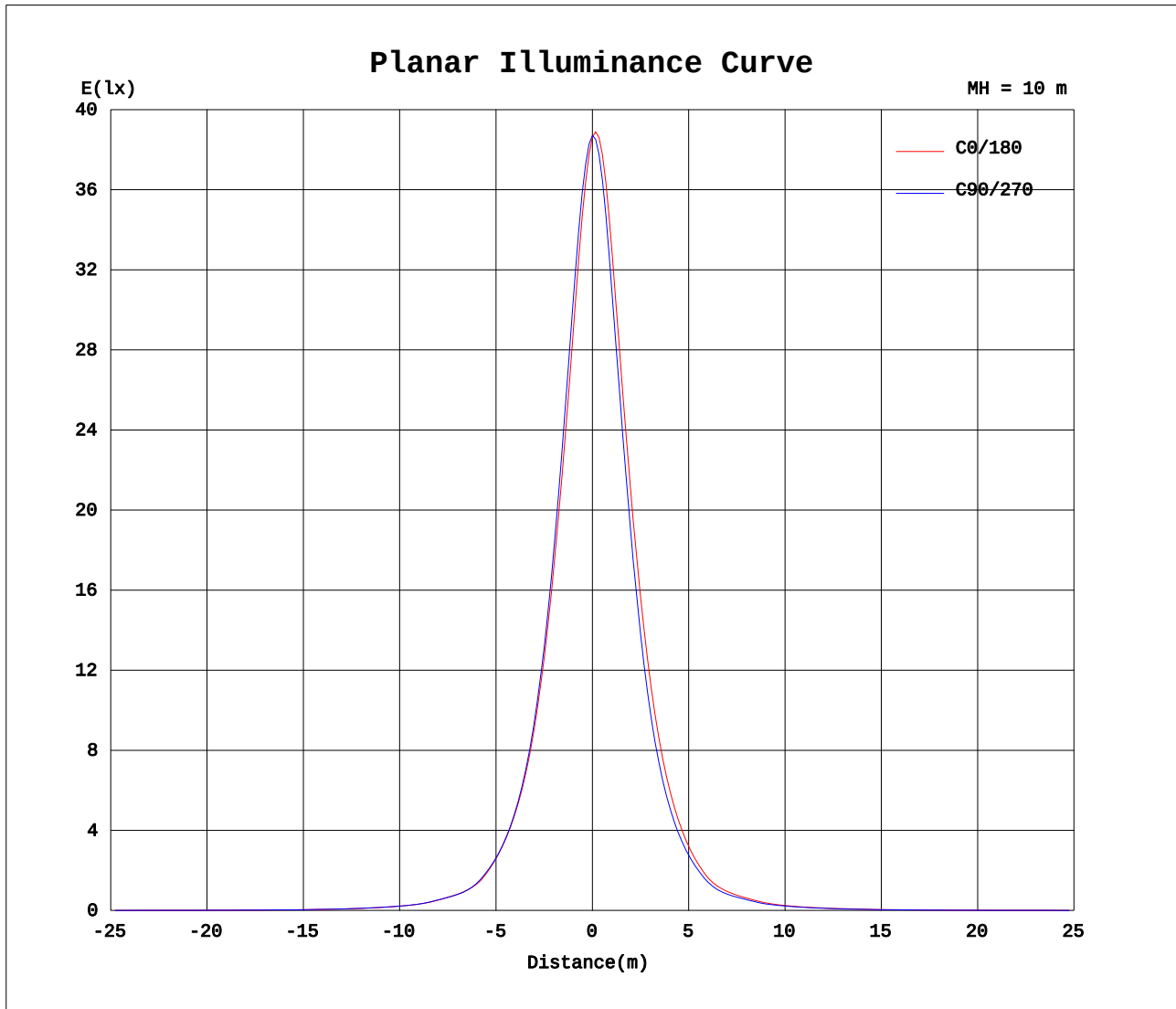
AvgL	cd/m2
L_0~180(65)av	10938
L_0~180(75)av	5614
L_0~180(85)av	1046
L_90~270(65)av	10806
L_90~270(75)av	5319
L_90~270(85)av	937
L_45(65)av	10921
L_45(75)av	5445
L_45(85)av	981

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-05-29

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: 2025-05-29

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:231.10V I:0.0591A P:13.323W PF:0.9755 Freq:49.99Hz Lamp Flux:1099.1x1 lm																	
NAME: TH3017-WHTC12C02									TYPE:						WEIGHT:		
SPEC.: white RA90 3000K+5000K									DIM.:						SERIAL No.:		
MFR.:									SUR.: 65mm						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	3863	3868	3865	3872	3871	3873	3875	3871	3863	3868	3865	3872	3871	3873	3875	3871			
5	3074	3096	3109	3180	3230	3320	3384	3458	3498	3477	3444	3367	3306	3225	3181	3120			
10	2052	2063	2063	2123	2163	2267	2333	2422	2472	2432	2395	2305	2254	2177	2148	2095			
15	1256	1255	1252	1276	1307	1380	1440	1524	1566	1530	1488	1407	1368	1324	1304	1283			
20	735	735	728	739	752	799	842	896	922	902	869	821	790	768	761	749			
25	432	431	428	432	436	463	489	520	535	522	503	474	459	449	449	441			
30	235	238	238	242	245	260	272	289	297	287	281	264	256	248	246	240			
35	148	149	147	145	147	153	161	169	174	169	163	154	150	149	150	149			
40	94.6	95.9	95.7	97.0	98.6	103	108	113	116	114	109	103	101	98.1	97.2	95.4			
45	62.6	63.0	63.0	63.3	63.6	65.6	68.1	70.6	72.0	71.1	68.7	65.8	64.6	63.6	63.5	62.9			
50	43.8	44.2	44.7	45.4	45.8	46.9	48.0	49.4	50.2	49.4	48.4	46.7	45.9	45.2	44.9	44.1			
55	29.1	29.5	30.0	30.8	31.3	32.1	32.6	33.5	34.1	33.6	32.8	31.9	31.3	30.6	30.0	29.4			
60	20.9	21.2	21.6	22.1	22.4	22.9	23.2	23.6	23.8	23.5	22.9	22.3	22.2	22.0	21.6	21.1			
65	14.0	14.4	14.7	15.1	15.3	15.6	16.1	16.5	16.7	16.3	15.8	15.2	15.0	14.8	14.7	14.5			
70	9.56	9.74	10.1	10.5	10.5	10.9	11.1	11.7	11.9	11.6	11.1	10.7	10.6	10.4	10.0	9.67			
75	3.54	3.64	3.77	4.16	4.48	4.88	5.29	5.75	6.11	5.98	5.65	5.11	4.66	4.26	4.00	3.74			
80	1.18	1.19	1.28	1.39	1.53	1.66	1.79	1.93	2.04	2.01	1.90	1.73	1.58	1.45	1.32	1.25			
85	0.17	0.13	0.20	0.20	0.28	0.30	0.38	0.39	0.43	0.43	0.37	0.34	0.26	0.25	0.18	0.19			
90	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.02			
95	0.00	0.05	0.00	0.04	0.00	0.04	0.00	0.04	0.06	0.01	0.05	0.01	0.06	0.01	0.06	0.03			
100	0.06	0.11	0.06	0.10	0.06	0.10	0.06	0.08	0.11	0.06	0.11	0.07	0.12	0.08	0.13	0.09			
105	0.15	0.19	0.13	0.18	0.13	0.17	0.13	0.16	0.19	0.15	0.20	0.15	0.22	0.17	0.23	0.20			
110	0.27	0.30	0.26	0.28	0.23	0.27	0.21	0.26	0.31	0.27	0.32	0.28	0.34	0.29	0.35	0.31			
115	0.43	0.47	0.41	0.44	0.38	0.42	0.36	0.41	0.49	0.43	0.49	0.45	0.51	0.48	0.54	0.50			
120	0.69	0.71	0.65	0.66	0.61	0.63	0.58	0.63	0.73	0.68	0.73	0.69	0.75	0.72	0.80	0.78			
125	1.07	1.10	1.03	1.02	0.95	0.98	0.92	0.96	1.09	1.06	1.09	1.07	1.13	1.12	1.21	1.20			
130	1.67	1.67	1.59	1.57	1.50	1.51	1.46	1.48	1.64	1.60	1.64	1.61	1.69	1.71	1.82	1.85			
135	2.61	2.59	2.51	2.45	2.36	2.32	2.27	2.27	2.52	2.48	2.52	2.52	2.60	2.69	2.80	2.86			
140	3.96	3.91	3.84	3.73	3.64	3.56	3.50	3.47	3.82	3.80	3.82	3.86	3.94	4.07	4.22	4.31			
145	5.79	5.69	5.62	5.50	5.43	5.26	5.19	5.12	5.57	5.57	5.59	5.68	5.78	5.93	6.10	6.21			
150	8.08	7.92	7.85	7.73	7.66	7.43	7.32	7.24	7.78	7.77	7.82	7.96	8.07	8.27	8.43	8.55			
155	10.7	10.5	10.4	10.4	10.4	10.1	9.86	9.79	10.4	10.3	10.4	10.7	10.9	11.0	11.1	11.2			
160	13.3	13.1	13.0	13.2	13.2	12.9	12.6	12.6	13.1	13.0	13.2	13.6	13.8	13.8	13.7	13.7			
165	15.3	15.1	15.1	15.4	15.5	15.2	15.0	15.0	15.4	15.3	15.4	15.8	16.1	16.0	15.5	15.5			
170	16.1	16.0	16.0	16.4	16.4	16.5	16.5	16.7	16.6	16.7	16.6	16.6	16.6	16.5	16.2	16.3			
175	16.2	16.2	16.4	16.3	16.2	16.4	17.0	17.1	16.7	17.0	17.0	16.6	16.2	16.4	16.5	16.3			
180	16.8	16.8	17.2	16.8	16.8	16.7	17.3	16.9	16.8	16.8	17.2	16.8	16.8	16.7	17.3	16.9			

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