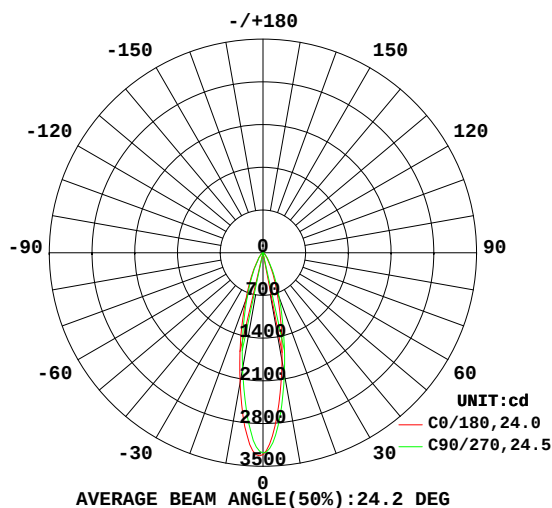


LUMINAIRE PHOTOMETRIC TEST REPORT

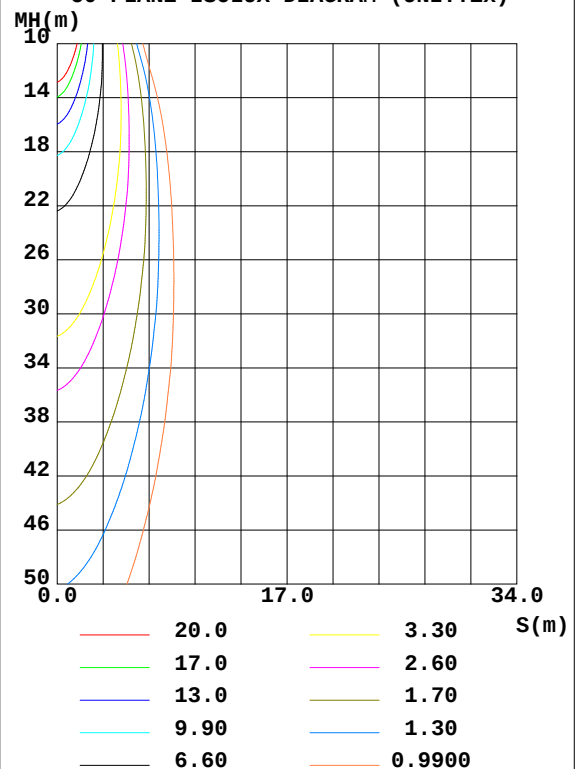
Test:U:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.91 lm/W			
MODEL	3000K	I _{max} (cd)	3329	S/MH(C0/180)	0.44
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.40
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	1000.7	η UP, DN(C0-180)	0.8, 49.5
NOMINAL FLUX(lm)	1000.68	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 48.9
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:

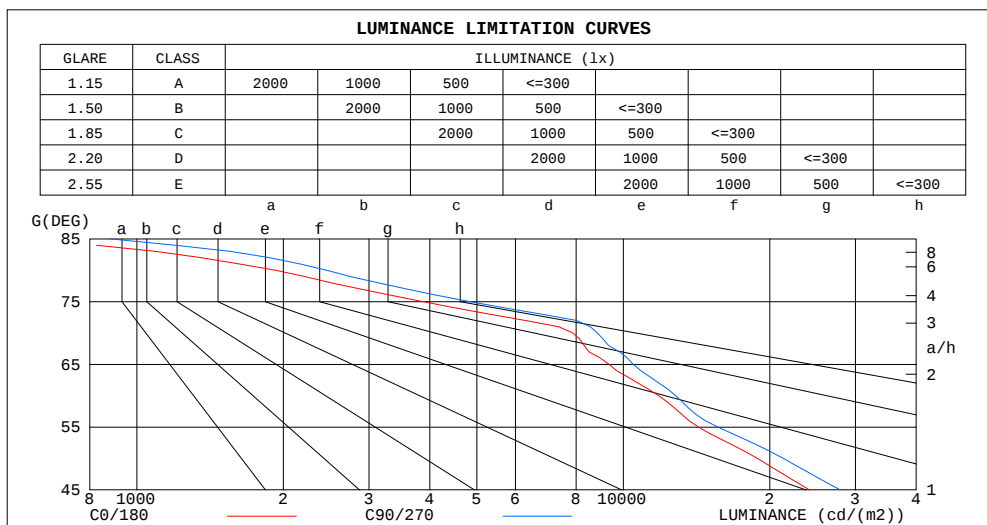
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1803	1893	2021	2099	2166	2050	1936	1833	0- 10	240.8	240.8	24.1, 24.1
20	656.8	696.8	773.3	812.1	835.5	787.2	742.5	674.9	10- 20	346.9	587.7	58.7, 58.7
30	214.0	232.7	261.8	269.6	274.0	251.0	240.5	216.9	20- 30	205.9	793.6	79.3, 79.3
40	84.80	92.81	104.1	104.6	104.2	97.66	95.12	85.81	30- 40	94.52	888.1	88.7, 88.7
50	40.26	42.50	45.54	45.58	46.04	44.38	43.14	40.68	40- 50	49.11	937.2	93.7, 93.7
60	19.62	20.37	21.27	21.59	22.37	21.45	20.82	19.92	50- 60	27.07	964.3	96.4, 96.4
70	8.938	9.513	10.04	10.41	11.12	10.37	9.873	9.319	60- 70	14.56	978.8	97.8, 97.8
80	1.110	1.188	1.414	1.640	1.916	1.801	1.503	1.232	70- 80	5.251	984.1	98.3, 98.3
90	0.0046	0.0046	0.0046	0.0002	0.0002	0.0047	0.0139	0.0139	80- 90	0.4722	984.5	98.4, 98.4
100	0.0551	0.0459	0.0549	0.0410	0.1012	0.1013	0.1150	0.1241	90-100	0.0345	984.6	98.4, 98.4
110	0.2386	0.2248	0.2020	0.2018	0.2851	0.2989	0.3218	0.3310	100-110	0.1679	984.7	98.4, 98.4
120	0.6286	0.5691	0.5552	0.5140	0.6666	0.6943	0.7448	0.7540	110-120	0.4200	985.2	98.5, 98.5
130	1.519	1.445	1.386	1.289	1.508	1.568	1.697	1.734	120-130	0.9046	986.1	98.5, 98.5
140	3.621	3.423	3.277	3.088	3.467	3.632	3.862	3.950	130-140	1.833	987.9	98.7, 98.7
150	7.345	7.010	6.840	6.464	7.043	7.277	7.654	7.782	140-150	3.229	991.1	99, 99
160	12.03	11.52	11.59	11.01	11.82	12.00	12.65	12.32	150-160	4.330	995.5	99.5, 99.5
170	14.56	14.28	14.53	14.57	14.95	14.94	14.82	14.39	160-170	3.800	999.3	99.9, 99.9
180	15.30	15.58	15.14	15.42	15.37	15.64	15.17	15.41	170-180	1.414	1001	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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



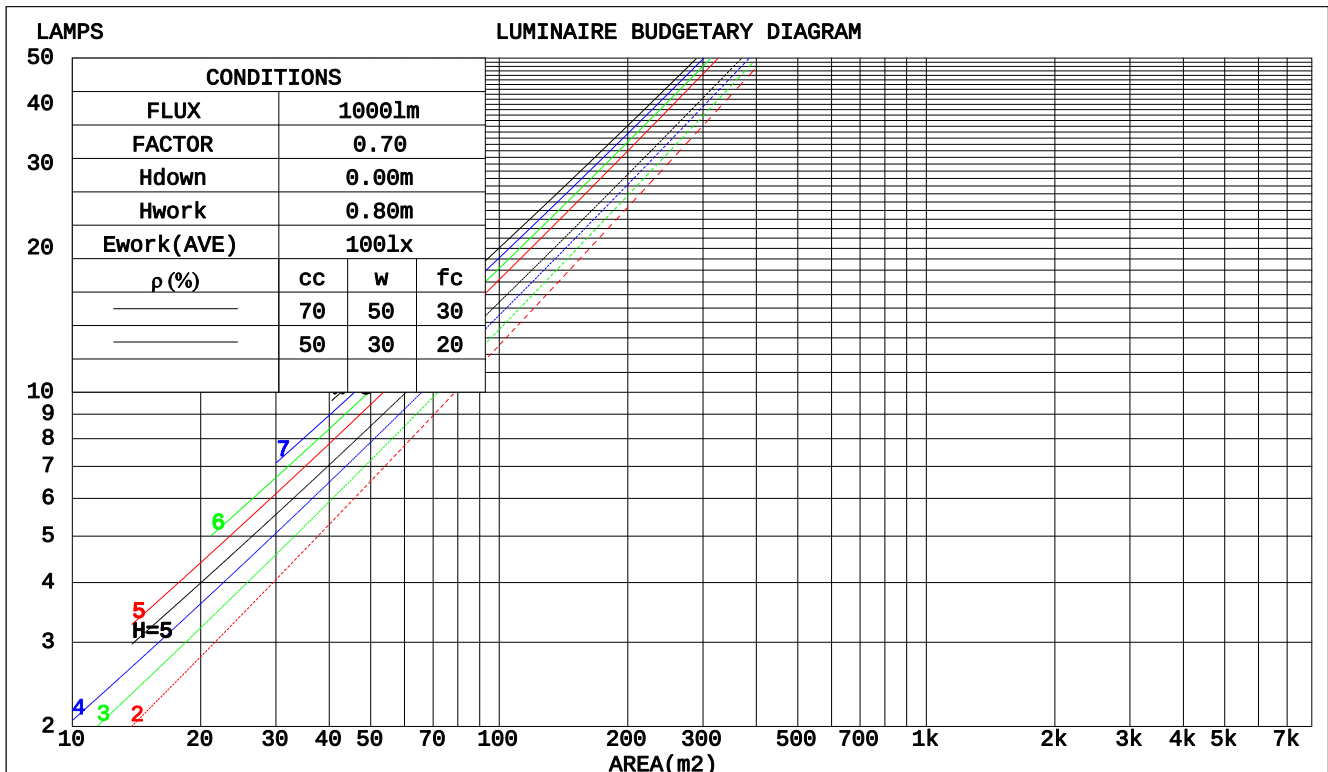
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-29

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 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	.93	.91	.93	.91	.89	.88
3.0	.98	.93	.90	.96	.92	.89	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.93	.88	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.85	.82	.80	.78
5.0	.88	.83	.79	.87	.82	.78	.85	.81	.78	.83	.80	.77	.81	.78	.76	.75
6.0	.84	.78	.75	.83	.78	.74	.81	.77	.74	.80	.76	.73	.78	.75	.72	.71
7.0	.80	.75	.71	.79	.74	.71	.78	.73	.70	.76	.73	.70	.75	.72	.69	.68
8.0	.76	.71	.68	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
9.0	.73	.68	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.70	.66	.64	.63
10.0	.70	.65	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.68	.64	.61	.60



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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm					
NAME: TH3017-WHTC12C02			TYPE:		WEIGHT:
SPEC.: white RA90 3000K+5000K			DIM.:		SERIAL No.:
MFR.:			SUR.: 65mm		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	.167	.095	.030	.160	.091	.029	.146	.084	.027	.134	.077	.025	.123	.071	.023	
2.0	.158	.087	.027	.152	.084	.026	.141	.078	.024	.130	.073	.023	.120	.068	.021	
3.0	.149	.079	.024	.144	.077	.023	.134	.073	.022	.125	.068	.021	.117	.065	.020	
4.0	.140	.073	.021	.136	.071	.021	.127	.067	.020	.120	.064	.019	.112	.061	.019	
5.0	.132	.067	.020	.128	.066	.019	.121	.063	.019	.114	.060	.018	.108	.058	.017	
6.0	.125	.063	.018	.122	.061	.018	.115	.059	.017	.109	.057	.017	.104	.055	.016	
7.0	.119	.059	.017	.116	.058	.016	.110	.056	.016	.105	.054	.016	.100	.052	.015	
8.0	.113	.055	.016	.110	.054	.015	.105	.053	.015	.100	.051	.015	.096	.049	.014	
9.0	.108	.052	.015	.105	.051	.014	.101	.050	.014	.096	.048	.014	.092	.047	.014	
10.0	.103	.049	.014	.101	.049	.014	.097	.047	.013	.093	.046	.013	.089	.045	.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	.076	.056	.050	.045	.018	.016	.015	
3.0	.154	.126	.104	.132	.109	.090	.090	.076	.063	.052	.044	.037	.017	.014	.012	
4.0	.143	.111	.087	.122	.096	.076	.084	.067	.053	.049	.039	.032	.016	.013	.010	
5.0	.133	.099	.074	.114	.086	.065	.079	.060	.046	.046	.035	.027	.015	.012	.009	
6.0	.125	.090	.065	.107	.078	.056	.074	.054	.040	.043	.032	.024	.014	.010	.008	
7.0	.118	.082	.057	.101	.071	.050	.070	.050	.035	.041	.029	.021	.013	.010	.007	
8.0	.112	.076	.051	.096	.066	.044	.067	.046	.031	.039	.027	.019	.013	.009	.006	
9.0	.106	.070	.046	.091	.061	.040	.063	.043	.028	.037	.025	.017	.012	.008	.006	
10.0	.101	.066	.042	.087	.057	.036	.061	.040	.026	.035	.024	.015	.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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 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		17.4	18.3	17.7	18.5	18.6	18.0	18.9	18.3	19.0	19.2
	3H	17.8	18.6	18.1	18.8	19.0	18.4	19.2	18.7	19.4	19.6
	4H	17.8	18.5	18.1	18.8	19.0	18.4	19.2	18.7	19.4	19.7
	6H	17.8	18.4	18.1	18.7	19.0	18.4	19.1	18.7	19.3	19.6
	8H	17.7	18.4	18.0	18.6	18.9	18.3	19.0	18.7	19.3	19.6
	12H	17.7	18.3	18.0	18.6	18.9	18.3	18.9	18.6	19.2	19.5
4H	2H	17.6	18.3	17.9	18.6	18.8	18.1	18.8	18.4	19.1	19.3
	3H	18.0	18.7	18.4	19.0	19.3	18.6	19.2	18.9	19.5	19.8
	4H	18.1	18.6	18.4	19.0	19.3	18.6	19.2	19.0	19.5	19.9
	6H	18.0	18.5	18.4	18.9	19.3	18.6	19.1	19.0	19.5	19.8
	8H	18.0	18.4	18.4	18.8	19.2	18.5	19.0	19.0	19.4	19.8
	12H	17.9	18.3	18.3	18.7	19.2	18.5	18.9	18.9	19.3	19.7
8H	4H	18.0	18.5	18.4	18.9	19.3	18.6	19.0	19.0	19.4	19.8
	6H	17.9	18.3	18.4	18.8	19.2	18.5	18.9	19.0	19.3	19.8
	8H	17.9	18.2	18.4	18.7	19.2	18.5	18.8	18.9	19.3	19.7
	12H	17.8	18.1	18.3	18.6	19.1	18.4	18.7	18.9	19.2	19.7
12H	4H	17.9	18.4	18.4	18.8	19.2	18.5	18.9	18.9	19.3	19.8
	6H	17.9	18.2	18.4	18.7	19.2	18.5	18.8	18.9	19.2	19.7
	8H	17.8	18.1	18.3	18.6	19.1	18.4	18.7	18.9	19.2	19.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 1.3 / - 1.8					+ 1.4 / - 1.9					
1.5H	+ 1.7 / - 1.2					+ 2.1 / - 1.4					
2.0H	+ 2.0 / - 1.6					+ 2.3 / - 1.8					

CIE Pub.117, 1001 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.0)
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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

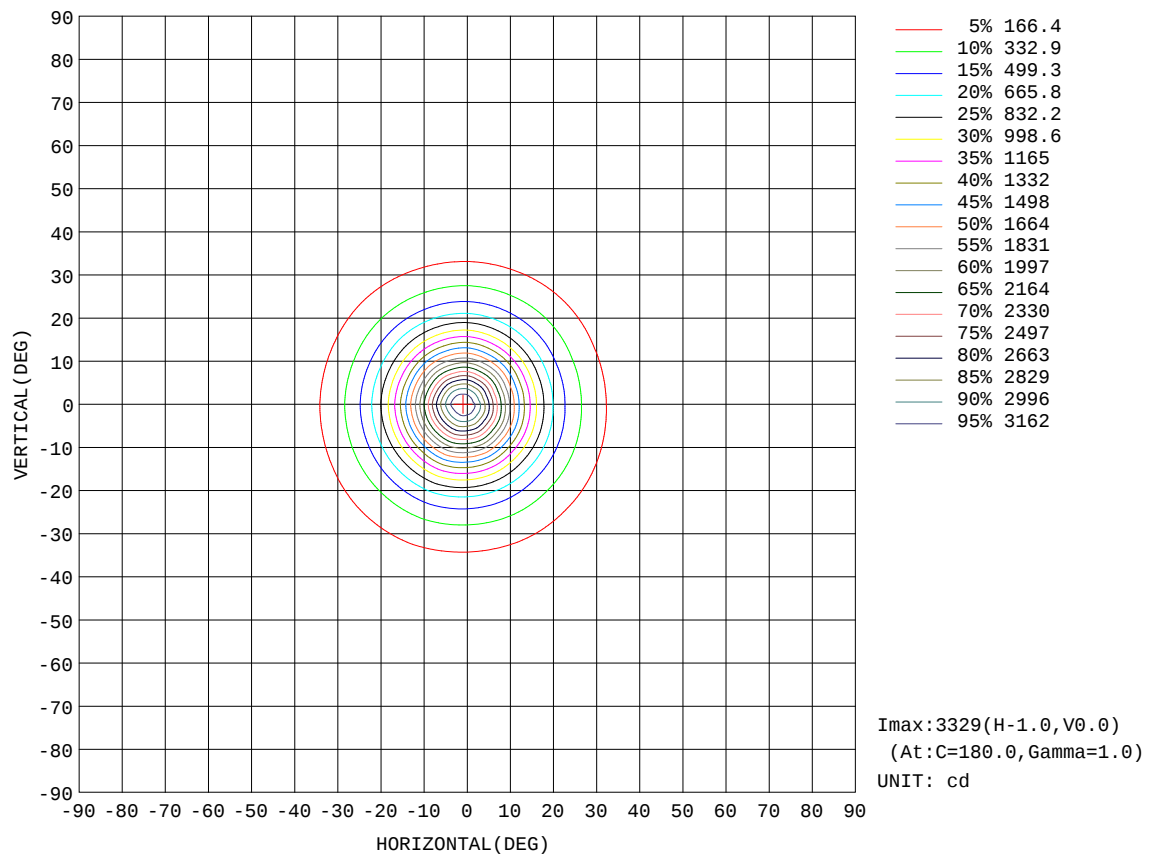
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	84	78	74	83	77	73	70
0.80	92	86	82	91	85	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	96	92	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	100	96	94	89
2.00	107	103	99	106	101	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	92
3.00	111	107	104	109	105	103	105	103	100	93
4.00	113	110	108	111	108	106	107	105	103	95
5.00	114	112	110	112	110	108	108	106	105	96
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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

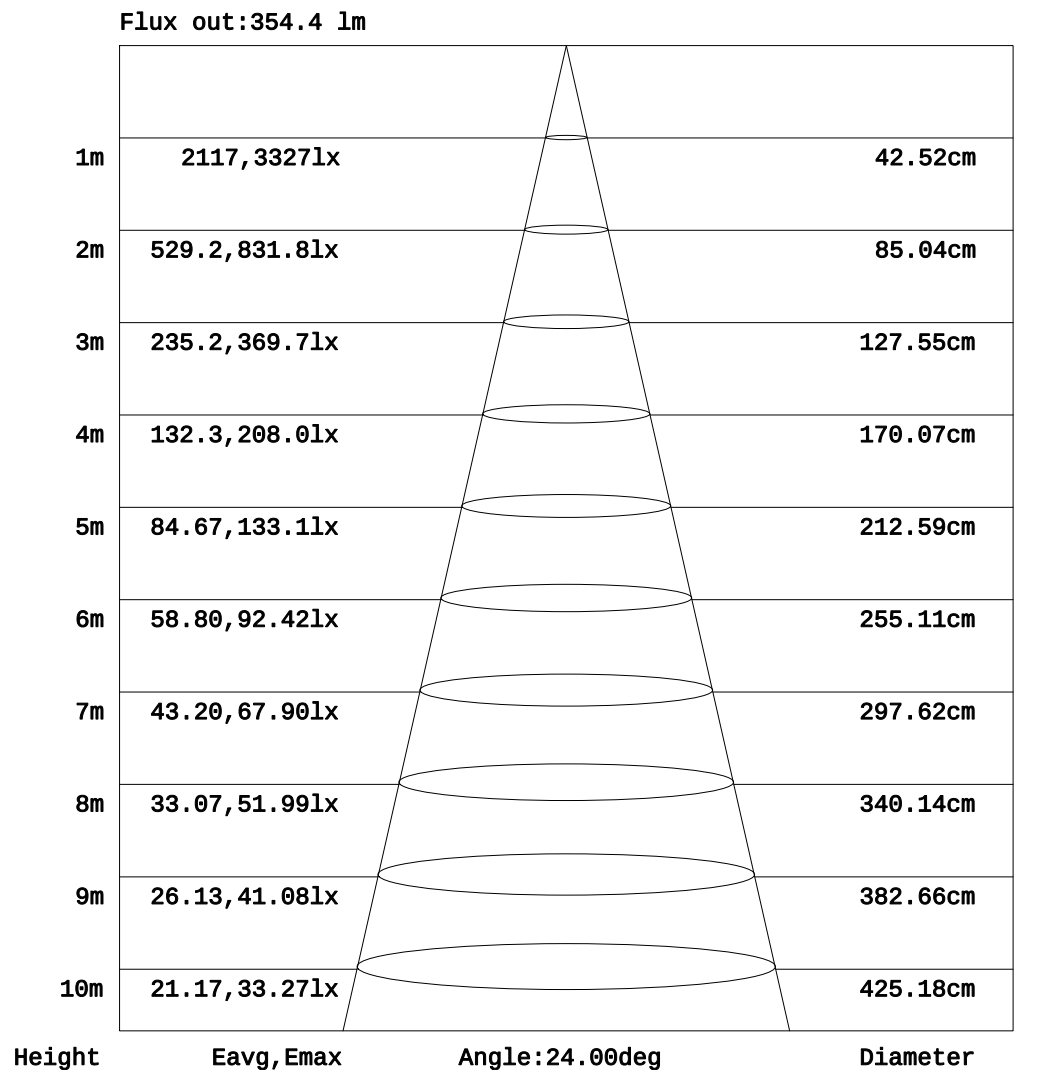


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-05-29

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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:



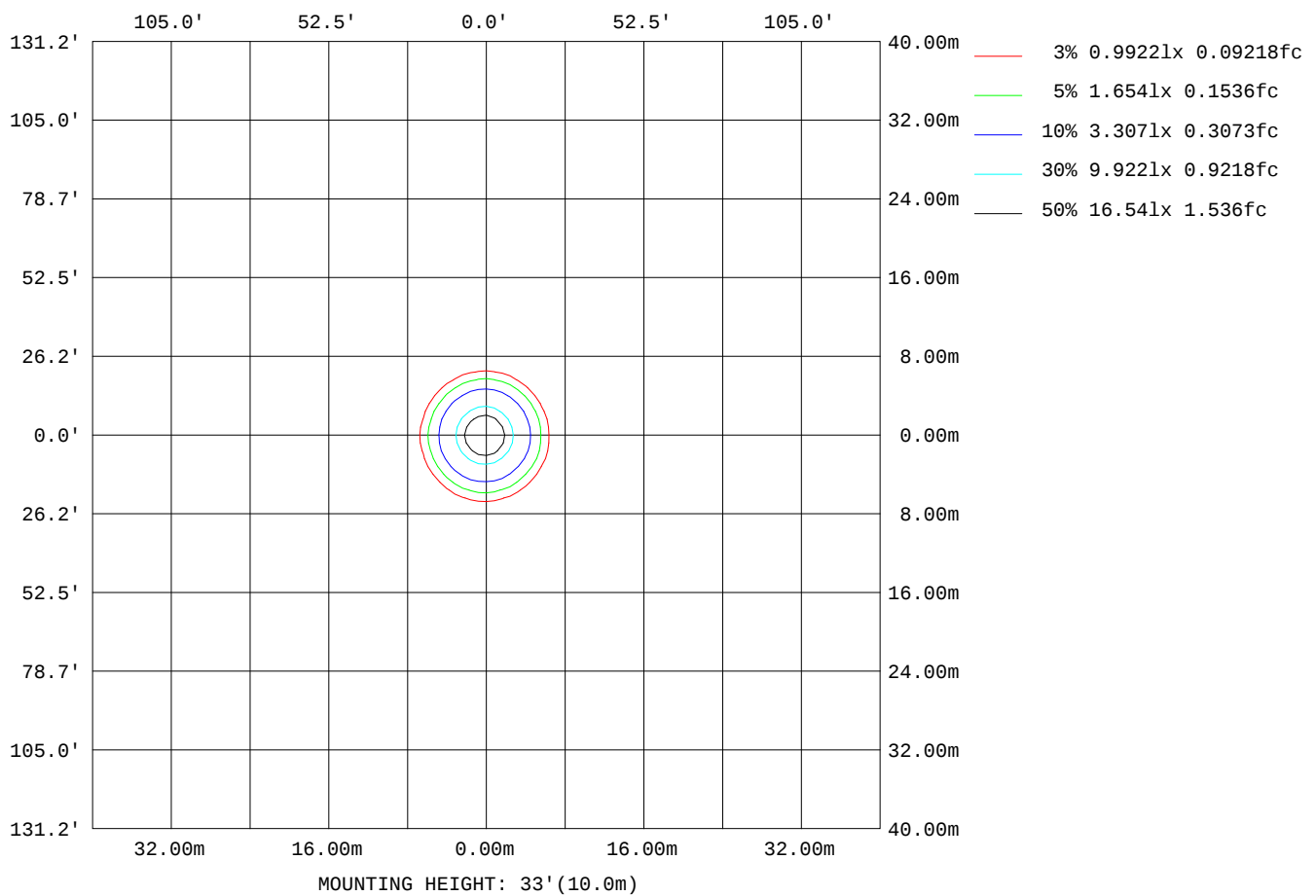
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 lm		
NAME: TH3017-WHTC12C02	TYPE:	WEIGHT:
SPEC.: white RA90 3000K+5000K	DIM.:	SERIAL No.:
MFR.:	SUR.: 65mm	Shielding Angle:

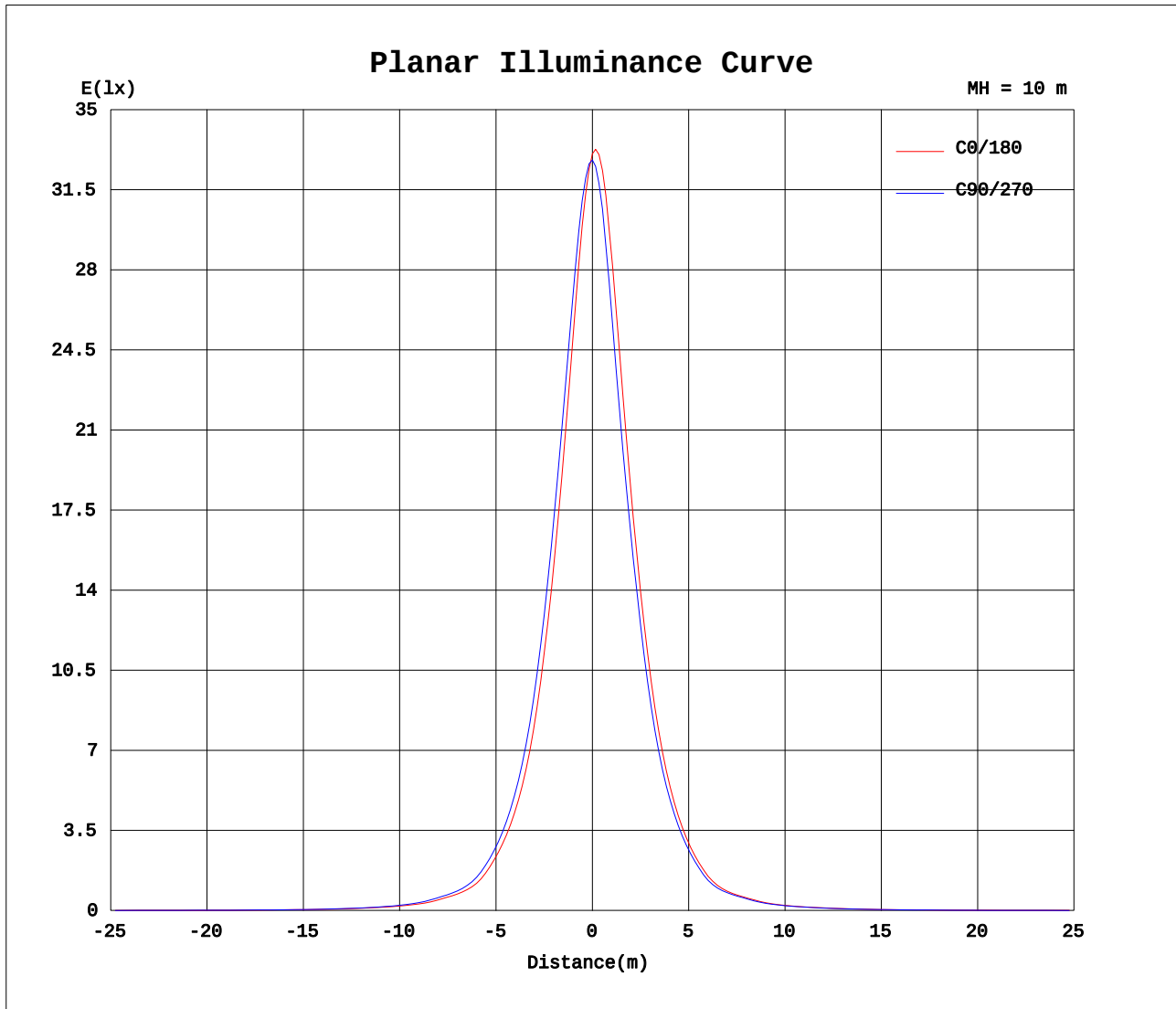
AvgL	cd/m2
L_0~180(65)av	10271
L_0~180(75)av	5267
L_0~180(85)av	967
L_90~270(65)av	10217
L_90~270(75)av	4993
L_90~270(85)av	858
L_45(65)av	10223
L_45(75)av	5077
L_45(85)av	894

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:231.08V I:0.0586A P:13.183W PF:0.9736 Freq:49.99Hz Lamp Flux:1000.68x1 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	3307	3302	3288	3284	3281	3274	3269	3263	3307	3302	3288	3284	3281	3274	3269	3263			
5	2672	2721	2742	2813	2845	2910	2929	2957	3006	2957	2910	2820	2775	2701	2678	2640			
10	1803	1857	1893	1980	2021	2092	2099	2134	2166	2092	2050	1972	1936	1864	1833	1788			
15	1114	1146	1178	1244	1292	1347	1347	1375	1399	1337	1320	1276	1247	1186	1141	1108			
20	657	677	697	739	773	811	812	822	835	805	787	762	743	703	675	651			
25	391	402	414	440	461	483	481	484	490	470	460	446	440	418	402	387			
30	214	225	233	250	262	275	270	271	274	258	251	243	241	227	217	210			
35	132	137	142	150	157	161	157	154	154	147	144	143	142	138	132	128			
40	84.8	88.8	92.8	99.5	104	107	105	103	104	100	97.7	95.2	95.1	90.1	85.8	82.5			
45	56.6	58.4	60.6	63.8	65.6	66.6	65.4	64.5	65.1	63.5	62.2	61.3	61.1	58.9	56.9	55.4			
50	40.3	41.2	42.5	44.5	45.5	46.2	45.6	45.3	46.0	44.8	44.4	43.5	43.1	41.8	40.7	39.5			
55	27.2	27.6	28.2	29.3	29.8	30.5	30.4	30.8	31.8	31.0	30.4	29.7	29.3	28.4	27.6	26.8			
60	19.6	20.0	20.4	21.0	21.3	21.6	21.6	21.8	22.4	21.9	21.4	20.9	20.8	20.4	19.9	19.3			
65	13.1	13.6	14.0	14.4	14.7	14.9	15.1	15.4	15.7	15.2	14.7	14.1	14.0	13.7	13.5	13.2			
70	8.94	9.17	9.51	9.99	10.0	10.3	10.4	10.8	11.1	10.8	10.4	10.0	9.87	9.65	9.32	8.87			
75	3.32	3.40	3.49	3.87	4.15	4.56	4.89	5.30	5.73	5.57	5.31	4.80	4.43	3.97	3.76	3.44			
80	1.11	1.10	1.19	1.29	1.41	1.53	1.64	1.76	1.92	1.88	1.80	1.65	1.50	1.36	1.23	1.15			
85	0.16	0.12	0.19	0.19	0.25	0.27	0.35	0.36	0.40	0.40	0.34	0.32	0.24	0.23	0.15	0.17			
90	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01			
95	0.00	0.05	0.00	0.03	0.00	0.03	0.00	0.03	0.04	0.01	0.04	0.01	0.06	0.01	0.06	0.01			
100	0.06	0.10	0.05	0.09	0.05	0.08	0.04	0.08	0.10	0.05	0.10	0.06	0.12	0.07	0.12	0.07			
105	0.13	0.17	0.13	0.16	0.12	0.15	0.11	0.14	0.17	0.13	0.18	0.15	0.21	0.16	0.21	0.16			
110	0.24	0.27	0.22	0.25	0.20	0.25	0.20	0.23	0.29	0.25	0.30	0.27	0.32	0.28	0.33	0.28			
115	0.39	0.42	0.36	0.39	0.34	0.38	0.33	0.36	0.44	0.40	0.46	0.43	0.50	0.45	0.50	0.45			
120	0.63	0.64	0.57	0.61	0.56	0.57	0.51	0.55	0.67	0.64	0.69	0.67	0.74	0.71	0.75	0.70			
125	1.00	0.98	0.92	0.94	0.88	0.89	0.82	0.85	1.00	0.97	1.05	1.05	1.13	1.10	1.14	1.09			
130	1.52	1.52	1.45	1.44	1.39	1.37	1.29	1.30	1.51	1.48	1.57	1.60	1.70	1.69	1.73	1.68			
135	2.38	2.31	2.24	2.21	2.14	2.09	2.01	1.99	2.29	2.31	2.41	2.47	2.59	2.61	2.65	2.60			
140	3.62	3.50	3.42	3.36	3.28	3.19	3.09	3.04	3.47	3.50	3.63	3.73	3.86	3.92	3.95	3.92			
145	5.27	5.12	5.02	4.94	4.87	4.70	4.59	4.50	5.05	5.11	5.25	5.42	5.56	5.65	5.69	5.64			
150	7.35	7.13	7.01	6.92	6.84	6.62	6.46	6.37	7.04	7.11	7.28	7.50	7.65	7.78	7.78	7.73			
155	9.71	9.45	9.29	9.25	9.20	8.91	8.69	8.61	9.40	9.43	9.62	9.95	10.2	10.2	10.1	10.0			
160	12.0	11.7	11.5	11.6	11.6	11.3	11.0	11.0	11.8	11.8	12.0	12.4	12.6	12.6	12.3	12.2			
165	13.8	13.5	13.3	13.5	13.5	13.3	13.2	13.2	13.8	13.8	13.9	14.3	14.5	14.3	13.8	13.7			
170	14.6	14.5	14.3	14.6	14.5	14.6	14.6	14.8	15.0	15.1	14.9	14.8	14.8	14.6	14.4	14.4			
175	14.8	14.8	14.8	14.7	14.6	14.7	15.1	15.2	15.2	15.4	15.4	14.9	14.5	14.6	14.7	14.5			
180	15.3	15.3	15.6	15.2	15.1	15.0	15.4	15.1	15.4	15.3	15.6	15.2	15.2	14.9	15.4	15.1			

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