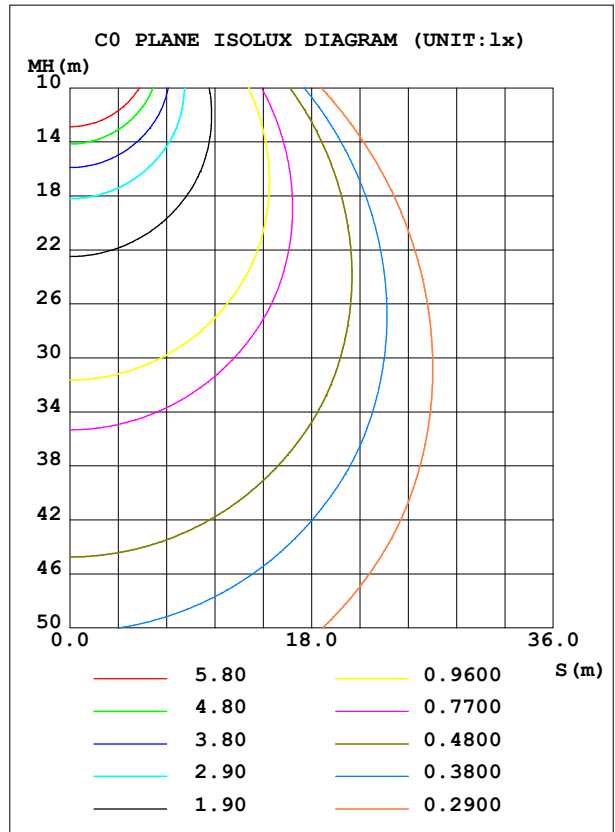
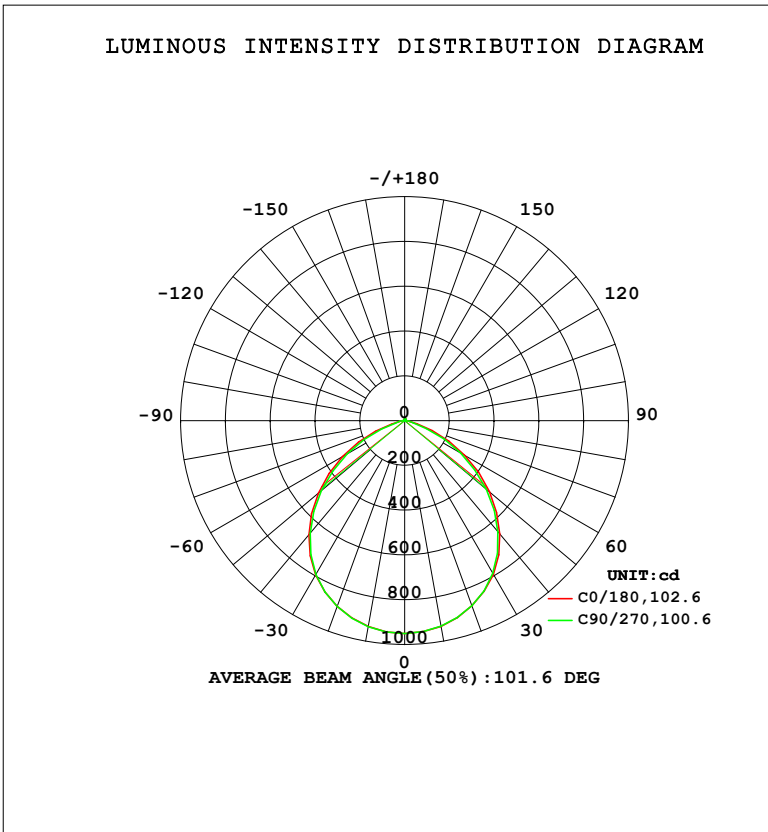


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 117.09 lm/W
MODEL	227R	I _{max} (cd)	951.1	S/MH (C0/180)		1.24
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)		1.24
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	2303.7	η UP, DN (C0-180)		0.5,49.3
NOMINAL FLUX (lm)	2303.67	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.5,49.7
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM		1.25
TEST VOLTAGE (V)	219.5	η down (%)	99.0	CIBSE SHR MAX		1.35



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.401m [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	932.9	932.6	932.6	933.2	933.9	934.1	934.3	934.0	0- 10	89.94	89.94	3.9,3.9
20	880.0	878.8	878.8	880.2	882.1	882.6	882.3	881.7	10- 20	257.1	347.1	15.1,15.1
30	793.5	791.1	787.4	793.4	796.6	797.1	793.7	795.5	20- 30	387.6	734.7	31.9,31.9
40	661.0	654.9	648.8	658.8	666.7	664.1	656.8	660.5	30- 40	456.6	1191	51.7,51.7
50	494.5	486.0	477.0	491.5	502.8	497.4	485.3	491.9	40- 50	445.1	1636	71,71
60	309.7	298.8	287.9	305.1	320.8	311.1	296.0	305.6	50- 60	355.9	1992	86.5,86.5
70	131.4	117.7	104.7	123.2	138.6	125.7	111.0	123.2	60- 70	209.6	2202	95.6,95.6
80	25.84	23.29	21.88	23.99	26.93	25.12	23.60	24.89	70- 80	66.06	2268	98.5,98.5
90	0.9006	0.8602	0.7934	0.8552	1.038	0.9979	1.003	1.018	80- 90	12.31	2280	99,99
100	1.507	1.453	1.388	1.428	1.765	1.713	1.703	1.733	90-100	1.371	2282	99,99
110	2.424	2.324	2.275	2.300	2.743	2.668	2.633	2.689	100-110	2.153	2284	99.1,99.1
120	3.426	3.309	3.276	3.281	3.785	3.683	3.671	3.718	110-120	2.979	2287	99.3,99.3
130	4.320	4.306	4.272	4.255	4.715	4.639	4.685	4.694	120-130	3.570	2290	99.4,99.4
140	5.261	5.111	5.154	5.073	5.615	5.419	5.560	5.462	130-140	3.782	2294	99.6,99.6
150	6.036	6.048	6.029	5.993	6.342	6.248	6.291	6.292	140-150	3.593	2298	99.7,99.7
160	6.900	6.949	6.989	6.883	7.129	7.059	7.148	7.103	150-160	3.040	2301	99.9,99.9
170	7.693	7.778	7.738	7.689	7.879	7.840	7.980	7.860	160-170	2.095	2303	100,100
180	8.189	8.254	8.155	8.204	8.218	8.272	8.197	8.216	170-180	0.7630	2304	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1420.4 lm

%lum = 61.7%

%lamp = 61.7%

Conical surface Flux(130deg): 2117.6 lm

%lum = 91.9%

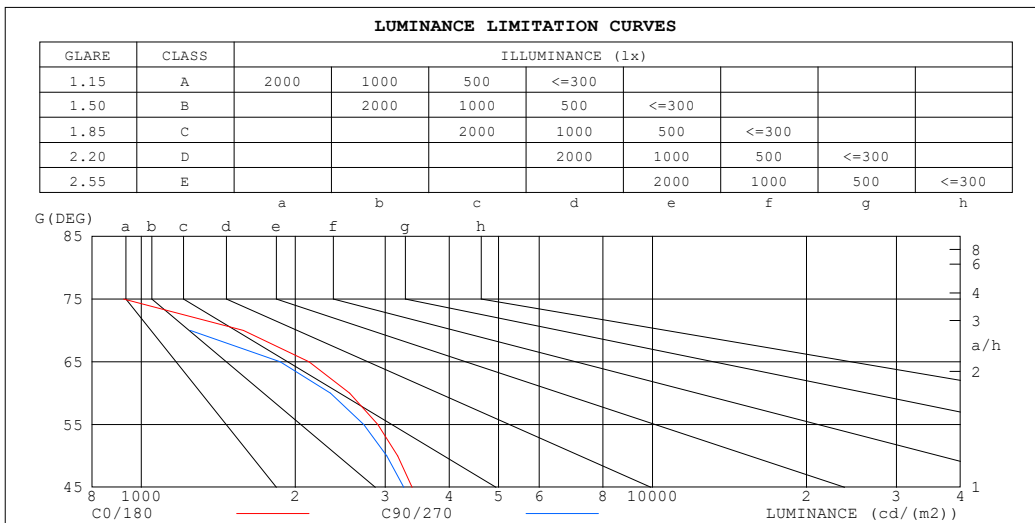
%lamp = 91.9%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	548	347
80	614	513
75	923	640
70	1584	1247
65	2127	1870
60	2555	2345
55	2900	2724
50	3173	3022
45	3387	3260

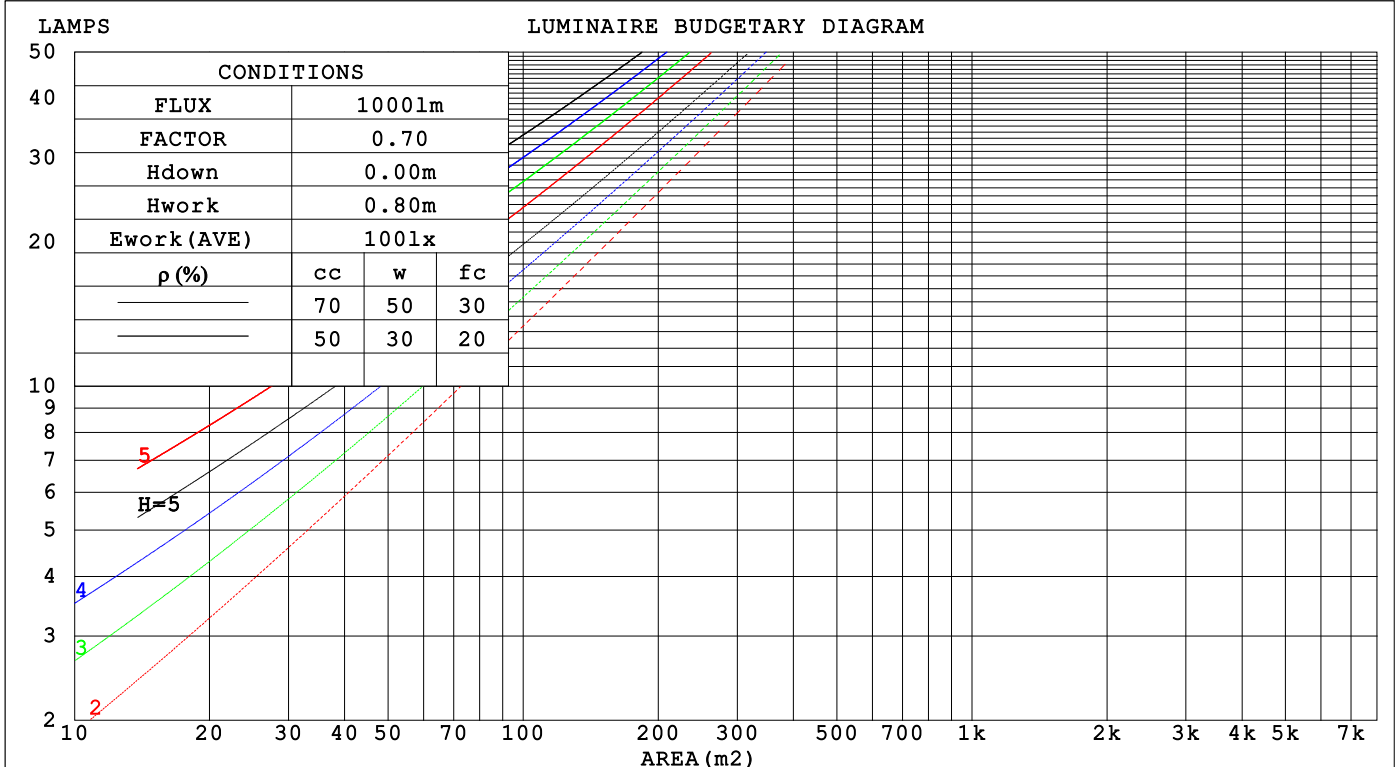
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	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															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.06	1.02	.99	1.04	1.00	.97	.99	.97	.94	.95	.93	.91	.92	.90	.88	.86
2.0	.94	.88	.83	.92	.86	.82	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.83	.76	.70	.82	.75	.69	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.74	.66	.60	.73	.65	.60	.70	.64	.59	.68	.62	.58	.66	.61	.57	.55
5.0	.67	.58	.52	.66	.58	.52	.64	.57	.51	.61	.55	.51	.60	.54	.50	.48
6.0	.60	.52	.46	.59	.51	.46	.58	.51	.45	.56	.50	.45	.54	.49	.44	.42
7.0	.55	.47	.41	.54	.46	.41	.53	.45	.40	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.37	.50	.42	.36	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.38	.33	.46	.38	.33	.44	.37	.33	.43	.37	.32	.42	.36	.32	.30
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.33	.29	.28



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz								
Lamp Flux:2303.67x1 lm								
NAME:			TYPE: 227			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: EVERFINE			SUR.: 156.5mm			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	.265	.151	.048	.258	.147	.047	.244	.140	.045	.231	.133	.043	.220	.127	.041	
2.0	.257	.141	.043	.251	.138	.043	.239	.133	.041	.228	.128	.040	.218	.123	.039	
3.0	.243	.129	.039	.238	.127	.038	.227	.123	.037	.217	.119	.037	.208	.115	.036	
4.0	.228	.119	.035	.223	.117	.035	.214	.113	.034	.205	.110	.033	.197	.107	.033	
5.0	.214	.109	.032	.209	.107	.031	.201	.105	.031	.193	.102	.030	.186	.099	.030	
6.0	.200	.100	.029	.196	.099	.029	.189	.097	.028	.182	.094	.028	.175	.092	.027	
7.0	.188	.093	.026	.184	.092	.026	.178	.090	.026	.171	.088	.026	.165	.086	.025	
8.0	.176	.086	.024	.173	.085	.024	.167	.084	.024	.162	.082	.024	.156	.080	.023	
9.0	.166	.080	.022	.163	.080	.022	.158	.078	.022	.153	.077	.022	.148	.075	.022	
10.0	.157	.075	.021	.154	.075	.021	.150	.073	.021	.145	.072	.020	.141	.071	.020	

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	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.185	.164	.146	.158	.141	.125	.108	.097	.087	.062	.056	.050	.020	.018	.016	
2.0	.175	.140	.110	.150	.120	.095	.103	.083	.066	.059	.048	.039	.019	.016	.013	
3.0	.167	.122	.086	.143	.105	.075	.098	.073	.052	.057	.043	.031	.018	.014	.010	
4.0	.160	.108	.069	.137	.094	.060	.094	.065	.042	.054	.038	.025	.018	.012	.008	
5.0	.152	.098	.058	.131	.085	.050	.090	.059	.035	.052	.035	.021	.017	.011	.007	
6.0	.146	.089	.049	.125	.077	.043	.086	.054	.030	.050	.032	.018	.016	.010	.006	
7.0	.139	.082	.043	.120	.071	.037	.083	.050	.026	.048	.030	.016	.016	.010	.005	
8.0	.133	.077	.038	.115	.067	.033	.079	.047	.023	.046	.028	.014	.015	.009	.005	
9.0	.127	.072	.034	.110	.062	.030	.076	.044	.021	.044	.026	.013	.014	.008	.004	
10.0	.122	.067	.031	.105	.059	.027	.073	.041	.019	.043	.024	.012	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz										
Lamp Flux:2303.67x1 lm										
NAME:			TYPE: 227				WEIGHT:			
SPEC.:			DIM.:				SERIAL No.:			
MFR.: EVERFINE			SUR.: 156.5mm				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	13.4	14.8	13.7	15.0	15.3	13.1	14.5	13.4	14.7	15.0
3H	14.0	15.3	14.3	15.6	15.8	13.5	14.8	13.9	15.1	15.3
4H	14.1	15.3	14.4	15.6	15.8	13.5	14.7	13.9	15.0	15.3
6H	14.1	15.2	14.4	15.5	15.8	13.5	14.6	13.8	14.9	15.2
8H	14.0	15.1	14.4	15.4	15.7	13.4	14.5	13.8	14.8	15.1
12H	14.0	15.0	14.4	15.4	15.7	13.4	14.5	13.8	14.8	15.1
4H 2H	13.7	14.9	14.0	15.2	15.5	13.5	14.7	13.8	14.9	15.2
3H	14.4	15.5	14.8	15.8	16.1	13.9	15.0	14.3	15.3	15.6
4H	14.5	15.4	14.9	15.8	16.1	14.0	14.9	14.4	15.3	15.6
6H	14.5	15.3	14.9	15.7	16.1	14.0	14.8	14.4	15.2	15.5
8H	14.5	15.3	14.9	15.6	16.0	13.9	14.7	14.4	15.1	15.5
12H	14.5	15.2	14.9	15.6	16.0	13.9	14.6	14.3	15.0	15.4
8H 4H	14.4	15.2	14.8	15.6	16.0	13.9	14.7	14.4	15.1	15.5
6H	14.5	15.1	14.9	15.5	16.0	13.9	14.6	14.4	15.0	15.5
8H	14.5	15.0	14.9	15.5	15.9	13.9	14.5	14.4	14.9	15.4
12H	14.5	15.0	15.0	15.4	15.9	13.9	14.4	14.4	14.9	15.4
12H 4H	14.4	15.1	14.8	15.5	15.9	13.9	14.6	14.3	15.0	15.4
6H	14.4	15.0	14.9	15.4	15.9	13.9	14.5	14.4	14.9	15.4
8H	14.4	14.9	14.9	15.4	15.9	13.9	14.4	14.4	14.9	15.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.3 / - 0.3					+ 0.4 / - 0.4				
1.5H	+ 0.3 / - 0.4					+ 0.4 / - 0.4				
2.0H	+ 0.8 / - 0.8					+ 0.8 / - 0.8				

CIE Pub.117, 2304 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.9)
 Area: 0.245 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:

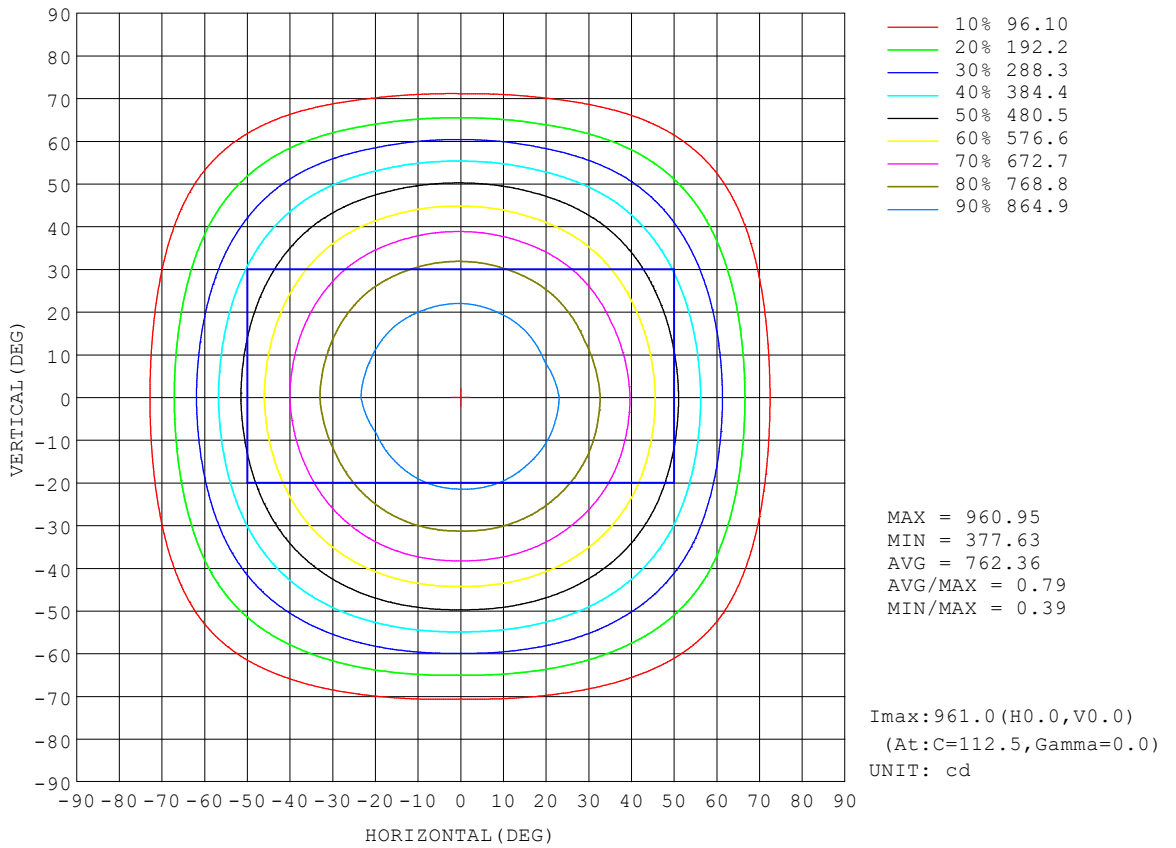
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	44	60	50	44	59	49	43	37
0.80	72	61	54	71	60	54	69	60	53	47
1.00	80	70	63	79	69	63	77	70	63	56
1.25	87	78	71	86	77	71	83	76	70	63
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	91	85	96	90	84	93	87	83	75
2.50	102	95	90	100	93	89	96	91	87	79
3.00	105	99	94	102	97	93	98	94	90	82
4.00	108	103	99	106	101	98	101	98	95	86
5.00	110	106	102	108	104	101	103	100	98	89
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:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:

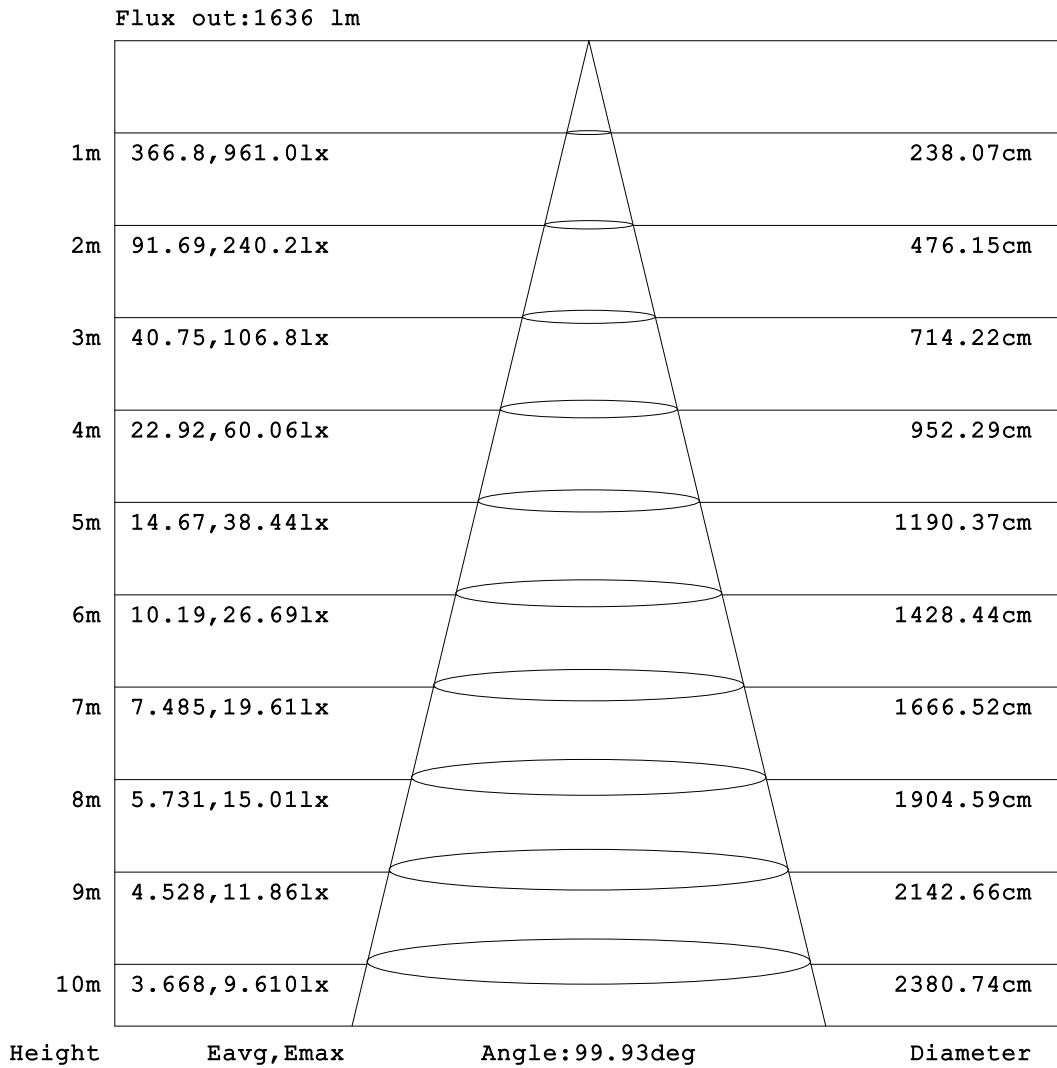


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:



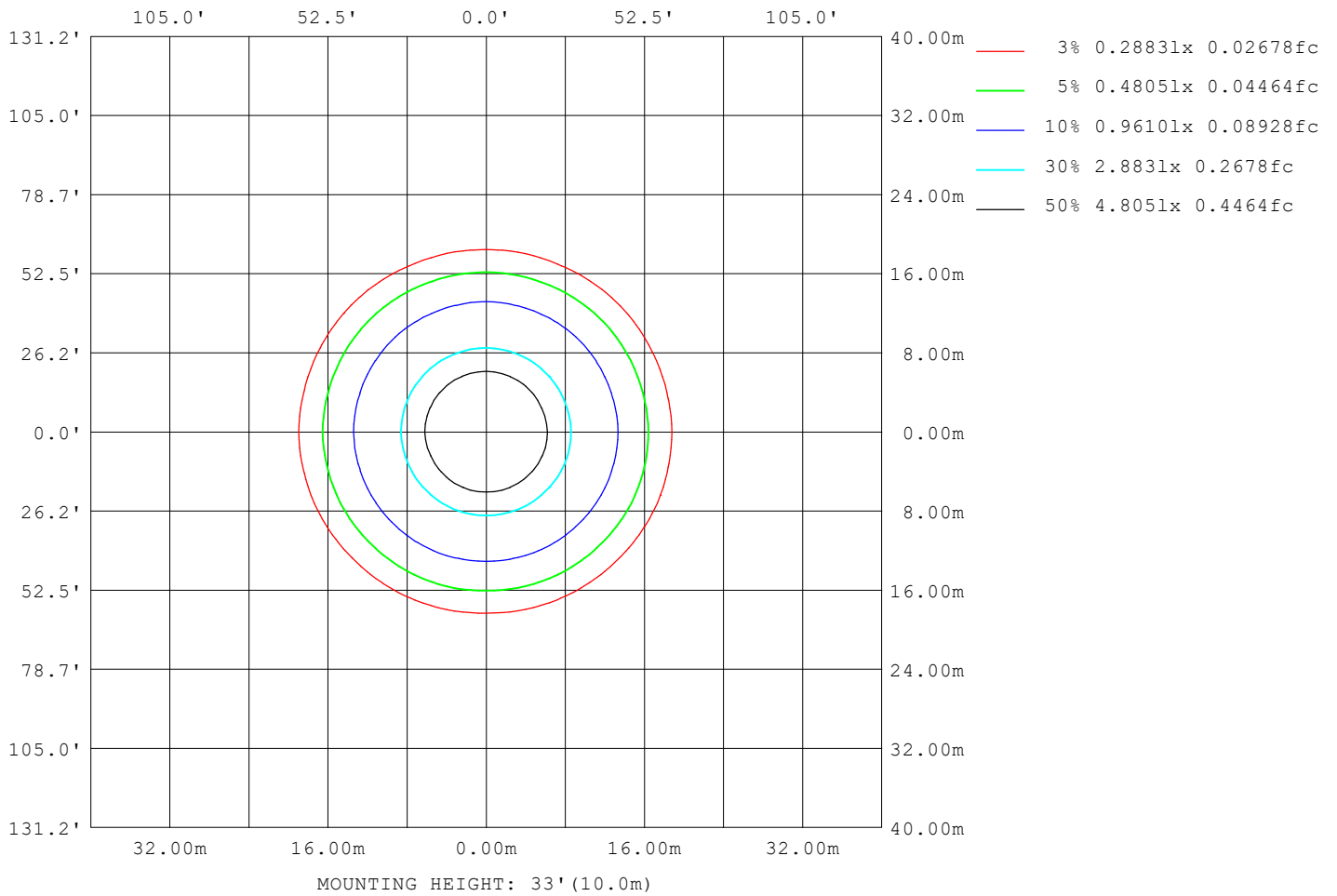
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	Shielding Angle:

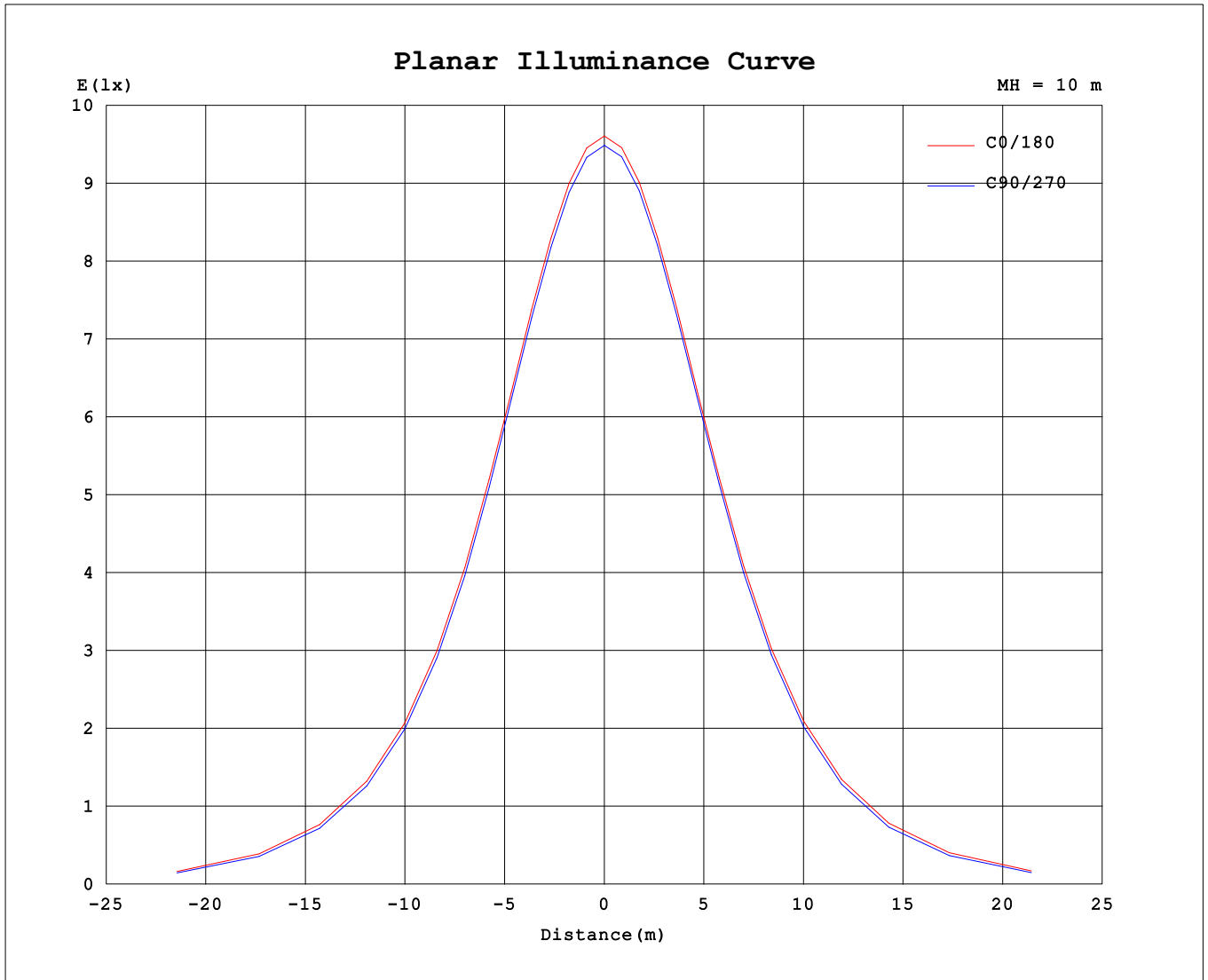
AvgL	cd/m2
L_0~180 (65) av	2156
L_0~180 (75) av	942
L_0~180 (85) av	555
L_90~270 (65) av	1908
L_90~270 (75) av	670
L_90~270 (85) av	385
L_45 (65) av	2035
L_45 (75) av	832
L_45 (85) av	455

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:9.401m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-11-16

γ Range: 0 - 180DEG
 γ Interval: 5.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.473
 Humidity: 65.0%
 Test Distance: 9.401m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.32V I:0.1573A P:19.674W PF:0.5677 Freq:50.00Hz Lamp Flux:2303.67x1 lm		
NAME:	TYPE: 227	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 156.5mm	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	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951			
5	946	947	946	946	946	946	947	947	947	947	947	947	947	947	947	946			
10	933	933	933	933	933	933	933	934	934	934	934	934	934	934	934	933			
15	911	911	910	910	910	911	911	912	912	912	913	912	913	912	912	911			
20	880	881	879	880	879	880	880	882	882	882	883	882	882	881	882	880			
25	841	842	840	840	839	841	841	843	844	843	844	843	843	842	843	841			
30	793	794	791	790	787	791	793	796	797	796	797	794	794	793	796	794			
35	732	733	728	726	723	728	731	736	737	736	736	731	730	730	733	733			
40	661	661	655	652	649	654	659	666	667	666	664	658	657	656	660	661			
45	581	581	573	570	566	572	578	586	588	586	584	576	574	574	580	581			
50	495	494	486	481	477	484	491	501	503	500	497	488	485	485	492	494			
55	403	403	394	388	384	391	400	410	413	409	405	394	391	391	400	402			
60	310	310	299	294	288	297	305	318	321	316	311	298	296	296	306	308			
65	218	217	205	199	194	203	211	225	228	223	216	203	201	201	211	216			
70	131	129	118	111	105	114	123	136	139	134	126	115	111	114	123	129			
75	58.0	57.5	49.8	43.6	40.7	44.7	52.3	60.7	61.6	59.9	54.8	46.2	44.3	46.0	54.1	57.9			
80	25.8	25.1	23.3	22.5	21.9	22.9	24.0	26.0	26.9	26.1	25.1	23.7	23.6	23.7	24.9	25.6			
85	11.6	10.8	8.97	8.06	7.43	8.14	9.24	11.1	12.1	11.3	10.3	9.12	8.99	9.20	10.4	11.4			
90	0.90	1.00	0.86	0.82	0.79	0.82	0.86	0.96	1.04	1.42	1.00	0.98	1.00	1.00	1.02	1.52			
95	1.12	1.16	1.13	1.20	1.11	1.19	1.13	1.15	1.34	1.29	1.32	1.23	1.32	1.24	1.33	1.32			
100	1.51	1.53	1.45	1.46	1.39	1.45	1.43	1.52	1.77	1.70	1.71	1.62	1.70	1.64	1.73	1.73			
105	1.95	1.96	1.88	1.89	1.83	1.88	1.86	1.93	2.24	2.16	2.18	2.10	2.16	2.10	2.21	2.19			
110	2.42	2.42	2.32	2.34	2.27	2.33	2.30	2.38	2.74	2.64	2.67	2.59	2.63	2.58	2.69	2.68			
115	2.93	2.92	2.81	2.84	2.77	2.82	2.80	2.88	3.26	3.15	3.17	3.10	3.16	3.09	3.20	3.21			
120	3.43	3.43	3.31	3.34	3.28	3.31	3.28	3.38	3.79	3.61	3.68	3.61	3.67	3.61	3.72	3.69			
125	3.93	3.89	3.80	3.80	3.75	3.78	3.76	3.84	4.27	4.11	4.18	4.09	4.18	4.10	4.17	4.16			
130	4.32	4.36	4.31	4.29	4.27	4.26	4.26	4.30	4.72	4.58	4.64	4.50	4.69	4.55	4.69	4.63			
135	4.75	4.84	4.70	4.72	4.69	4.70	4.66	4.80	5.15	5.07	5.08	4.95	5.07	4.96	5.15	5.09			
140	5.26	5.26	5.11	5.16	5.15	5.12	5.07	5.18	5.61	5.41	5.42	5.35	5.56	5.39	5.46	5.50			
145	5.60	5.65	5.56	5.62	5.62	5.59	5.53	5.59	5.95	5.81	5.82	5.76	5.99	5.82	5.87	5.86			
150	6.04	6.17	6.05	6.10	6.03	6.02	5.99	6.10	6.34	6.21	6.25	6.16	6.29	6.22	6.29	6.27			
155	6.47	6.54	6.50	6.59	6.54	6.52	6.45	6.47	6.73	6.61	6.65	6.59	6.74	6.66	6.70	6.65			
160	6.90	6.96	6.95	7.07	6.99	6.98	6.88	6.91	7.13	7.02	7.06	7.01	7.15	7.07	7.10	7.03			
165	7.33	7.38	7.38	7.49	7.39	7.39	7.30	7.35	7.53	7.44	7.48	7.50	7.61	7.48	7.53	7.42			
170	7.69	7.80	7.78	7.87	7.74	7.74	7.69	7.75	7.88	7.81	7.84	7.86	7.98	7.88	7.86	7.77			
175	8.00	8.13	8.11	8.13	8.00	8.03	8.01	8.04	8.14	8.09	8.13	8.02	8.11	8.08	8.16	8.05			
180	8.19	8.25	8.25	8.24	8.15	8.18	8.20	8.21	8.22	8.22	8.27	8.18	8.20	8.18	8.22	8.17			

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