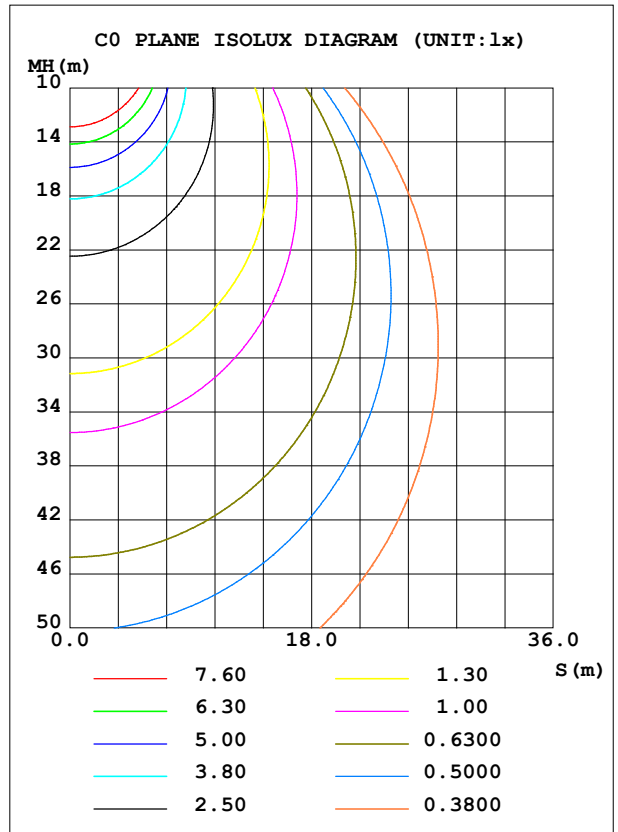
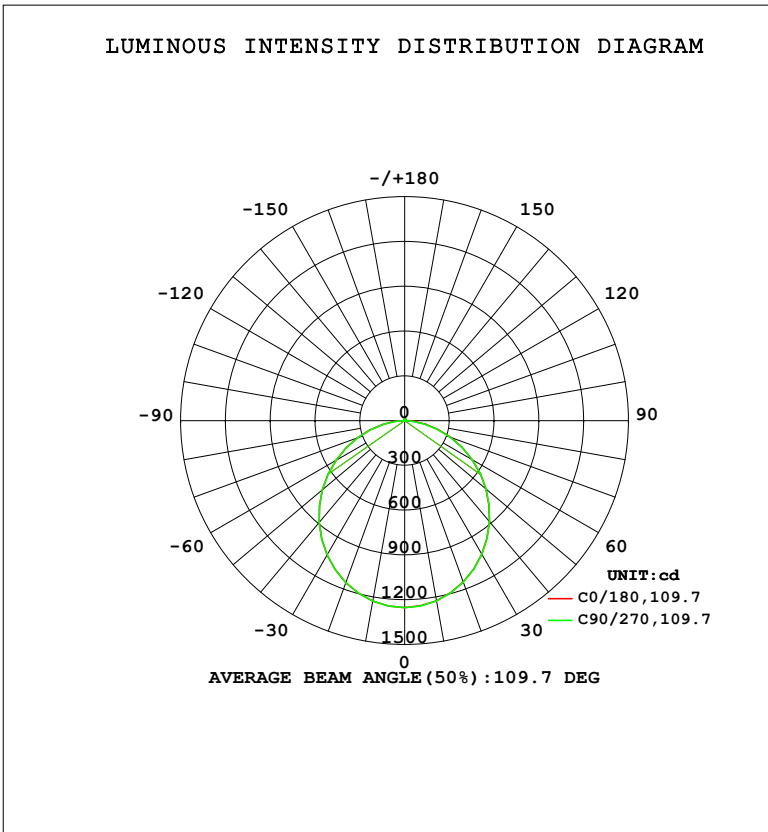


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	116C	Imax (cd)	1252	S/MH (C0/180)	1.24
NOMINAL POWER (W)	30	LOR (%)	100.0	S/MH (C90/270)	1.24
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	3518.3	η UP, DN (C0-180)	0.5,49.4
NOMINAL FLUX (lm)	3518.33	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.5,49.6
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: 2023-11-18

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	1226	1226	1226	1227	1228	1228	1228	1227	0- 10	118.3	118.3	3.36,3.36
20	1150	1150	1151	1152	1155	1155	1154	1152	10- 20	337.1	455.5	12.9,12.9
30	1033	1034	1035	1037	1039	1040	1039	1037	20- 30	506.5	961.9	27.3,27.3
40	884.1	884.1	885.8	888.0	891.4	892.5	891.1	887.9	30- 40	604.3	1566	44.5,44.5
50	711.1	711.1	712.8	715.5	719.7	720.7	719.5	715.8	40- 50	620.6	2187	62.2,62.2
60	522.9	522.4	524.0	527.0	531.9	532.7	530.3	527.9	50- 60	557.2	2744	78,78
70	328.5	325.7	323.4	330.8	338.5	336.3	330.7	331.9	60- 70	425.1	3169	90.1,90.1
80	143.5	134.8	129.0	139.2	151.8	143.1	135.0	140.2	70- 80	247.1	3416	97.1,97.1
90	2.044	1.998	1.898	1.994	2.627	2.195	2.143	2.256	80- 90	67.43	3484	99,99
100	2.776	2.776	2.738	2.756	3.137	3.121	3.084	3.133	90-100	2.713	3486	99.1,99.1
110	3.881	3.857	3.854	3.832	4.284	4.269	4.273	4.282	100-110	3.690	3490	99.2,99.2
120	5.070	5.035	5.042	4.987	5.538	5.489	5.515	5.515	110-120	4.623	3495	99.3,99.3
130	6.265	6.183	6.200	6.118	6.733	6.625	6.692	6.683	120-130	5.234	3500	99.5,99.5
140	7.364	7.325	7.377	7.260	7.796	7.689	7.820	7.759	130-140	5.397	3505	99.6,99.6
150	8.427	8.432	8.469	8.373	8.752	8.692	8.779	8.756	140-150	5.055	3510	99.8,99.8
160	9.455	9.519	9.513	9.431	9.672	9.654	9.720	9.723	150-160	4.190	3514	99.9,99.9
170	10.36	10.42	10.42	10.33	10.51	10.45	10.53	10.50	160-170	2.833	3517	100,100
180	10.89	10.97	10.88	10.93	10.92	11.00	10.91	10.94	170-180	1.018	3518	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1879.6 lm

%lum = 53.4%

%lamp = 53.4%

Conical surface Flux(130deg): 2976.6 lm

%lum = 84.6%

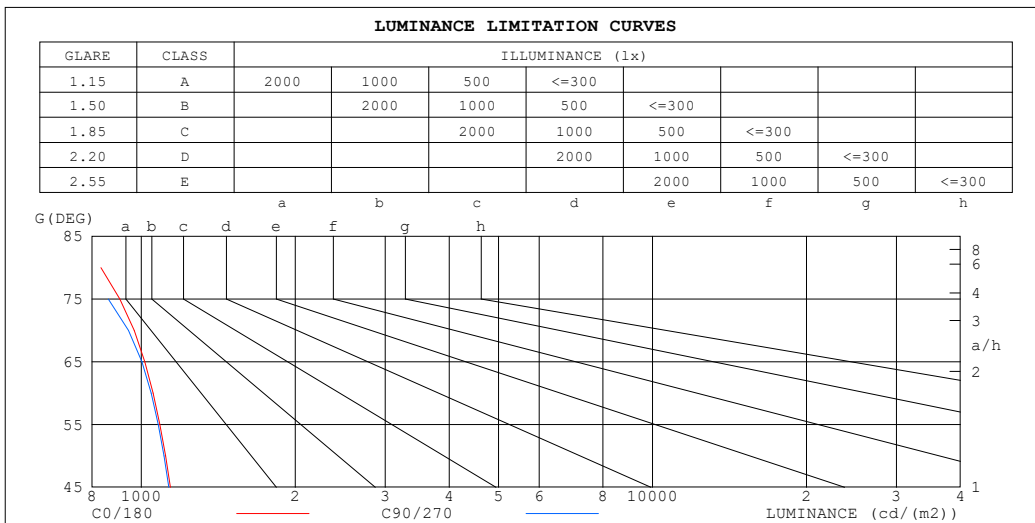
%lamp = 84.6%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	702	481
80	833	741
75	908	862
70	968	944
65	1015	1002
60	1054	1046
55	1087	1080
50	1115	1107
45	1140	1132

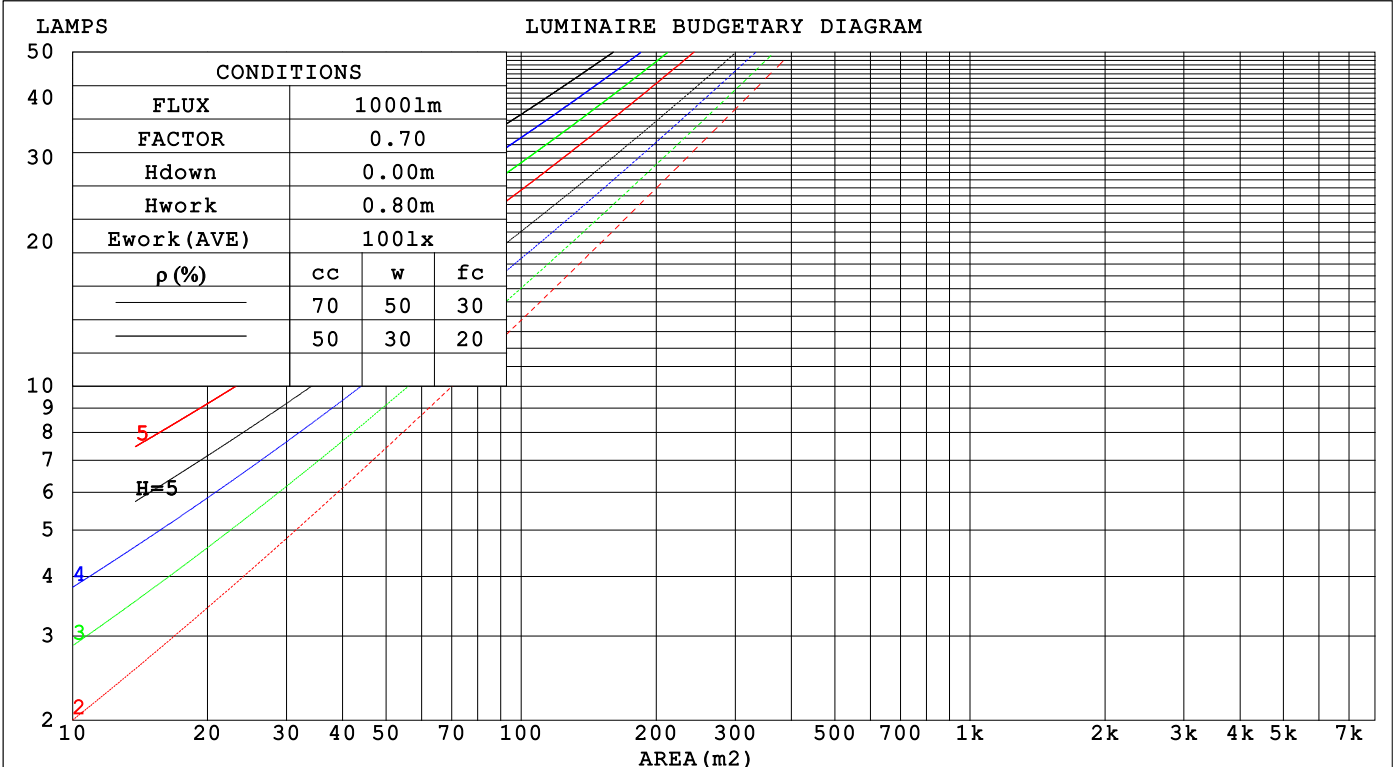
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.61	.56	.52	.49
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.56	.48	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.40	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.31	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz								
Lamp Flux:3518.33x1 lm								
NAME: HYD			TYPE: 116			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: EVERFINE			SUR.: 1			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	.309	.176	.056	.302	.172	.055	.288	.165	.053	.276	.159	.051	.264	.153	.049	
2.0	.291	.159	.049	.284	.157	.048	.272	.151	.047	.261	.146	.046	.251	.142	.045	
3.0	.269	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.233	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.216	.118	.036	
5.0	.230	.117	.034	.225	.116	.034	.216	.113	.033	.208	.110	.033	.201	.107	.032	
6.0	.213	.107	.031	.209	.105	.030	.201	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.025	
9.0	.173	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.146	.074	.021	

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	.188	.164	.142	.161	.141	.122	.110	.097	.085	.063	.056	.049	.020	.018	.016	
2.0	.180	.140	.106	.154	.120	.091	.106	.083	.064	.061	.048	.037	.020	.016	.012	
3.0	.172	.122	.082	.147	.105	.071	.101	.073	.050	.058	.043	.029	.019	.014	.010	
4.0	.164	.109	.066	.141	.094	.057	.097	.065	.040	.056	.038	.024	.018	.012	.008	
5.0	.157	.098	.055	.135	.085	.048	.093	.059	.034	.054	.035	.020	.017	.011	.007	
6.0	.150	.090	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.010	.006	
7.0	.143	.083	.041	.123	.072	.036	.085	.050	.025	.049	.030	.015	.016	.010	.005	
8.0	.136	.077	.037	.117	.067	.032	.081	.047	.023	.047	.028	.013	.015	.009	.004	
9.0	.130	.072	.033	.112	.063	.029	.078	.044	.020	.045	.026	.012	.015	.009	.004	
10.0	.125	.068	.030	.108	.059	.026	.075	.042	.019	.044	.025	.011	.014	.008	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz										
Lamp Flux:3518.33x1 lm										
NAME: HYD			TYPE: 116				WEIGHT:			
SPEC.:			DIM.:				SERIAL No.:			
MFR.: EVERFINE			SUR.: 1				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	8.7	10.2	9.0	10.4	10.7	8.7	10.2	9.0	10.4	10.6
3H	10.2	11.6	10.5	11.9	12.1	10.2	11.5	10.5	11.8	12.1
4H	10.8	12.2	11.2	12.4	12.7	10.7	12.0	11.1	12.3	12.6
6H	11.3	12.5	11.6	12.8	13.1	11.1	12.3	11.4	12.6	12.9
8H	11.4	12.6	11.7	12.9	13.2	11.1	12.3	11.5	12.6	12.9
12H	11.4	12.6	11.8	12.9	13.2	11.1	12.3	11.5	12.6	12.9
4H 2H	9.3	10.6	9.6	10.9	11.2	9.3	10.6	9.6	10.9	11.1
3H	11.0	12.2	11.4	12.5	12.8	10.9	12.1	11.3	12.4	12.7
4H	11.7	12.8	12.1	13.1	13.5	11.6	12.7	12.0	13.0	13.4
6H	12.3	13.2	12.7	13.6	14.0	12.1	13.0	12.5	13.4	13.8
8H	12.4	13.3	12.9	13.7	14.1	12.2	13.0	12.6	13.4	13.8
12H	12.5	13.3	13.0	13.7	14.2	12.2	13.0	12.6	13.4	13.8
8H 4H	12.0	12.9	12.4	13.2	13.7	11.9	12.8	12.3	13.2	13.6
6H	12.7	13.4	13.1	13.8	14.3	12.5	13.2	12.9	13.6	14.1
8H	12.9	13.5	13.3	14.0	14.4	12.6	13.2	13.0	13.7	14.1
12H	13.0	13.6	13.5	14.0	14.5	12.6	13.2	13.1	13.7	14.2
12H 4H	12.0	12.8	12.4	13.2	13.6	11.9	12.7	12.3	13.1	13.5
6H	12.7	13.3	13.1	13.8	14.2	12.5	13.1	13.0	13.6	14.0
8H	12.9	13.5	13.4	13.9	14.4	12.6	13.2	13.1	13.6	14.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 3518 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.4)
Area: 1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:

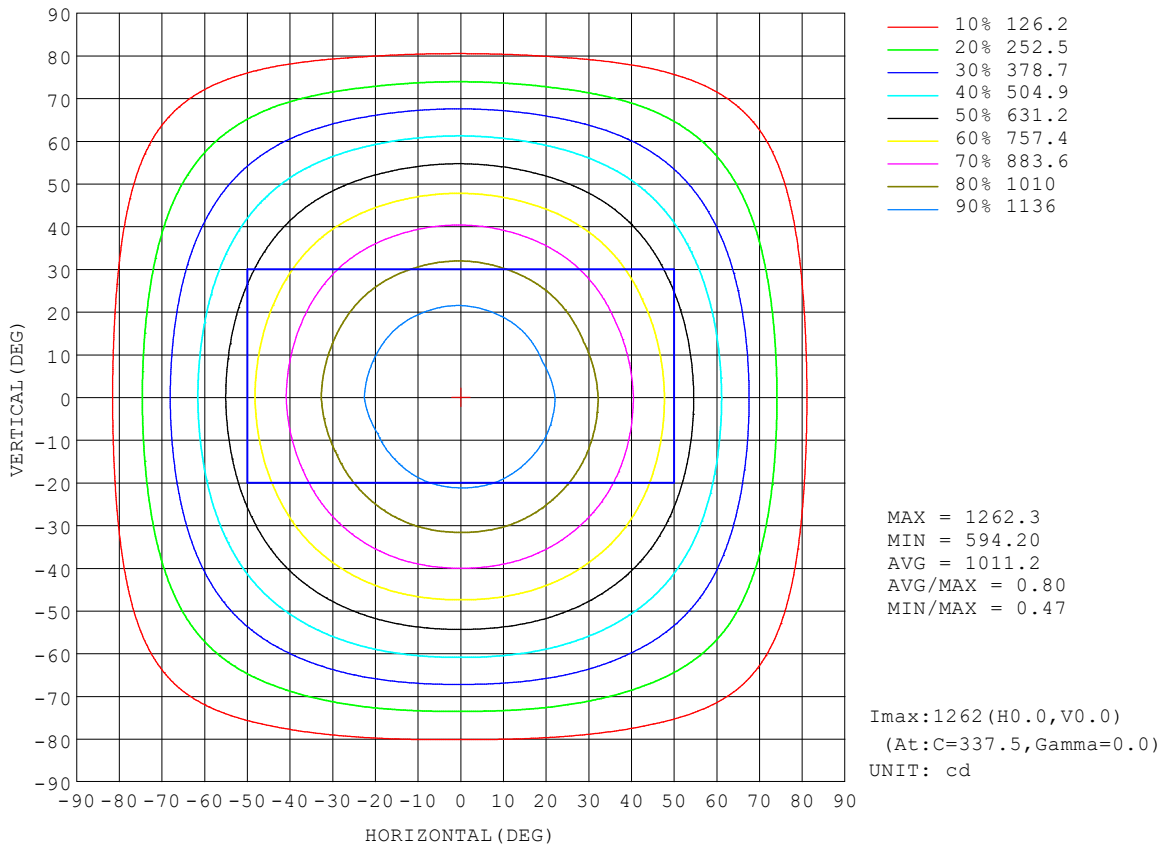
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	55	45	39	32
0.80	67	56	49	66	55	48	65	55	48	41
1.00	76	65	57	75	64	57	72	65	57	49
1.25	83	72	65	81	72	65	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	96	89	84	92	87	82	73
3.00	102	95	90	100	93	88	96	90	86	77
4.00	106	100	96	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	98	95	85
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:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:

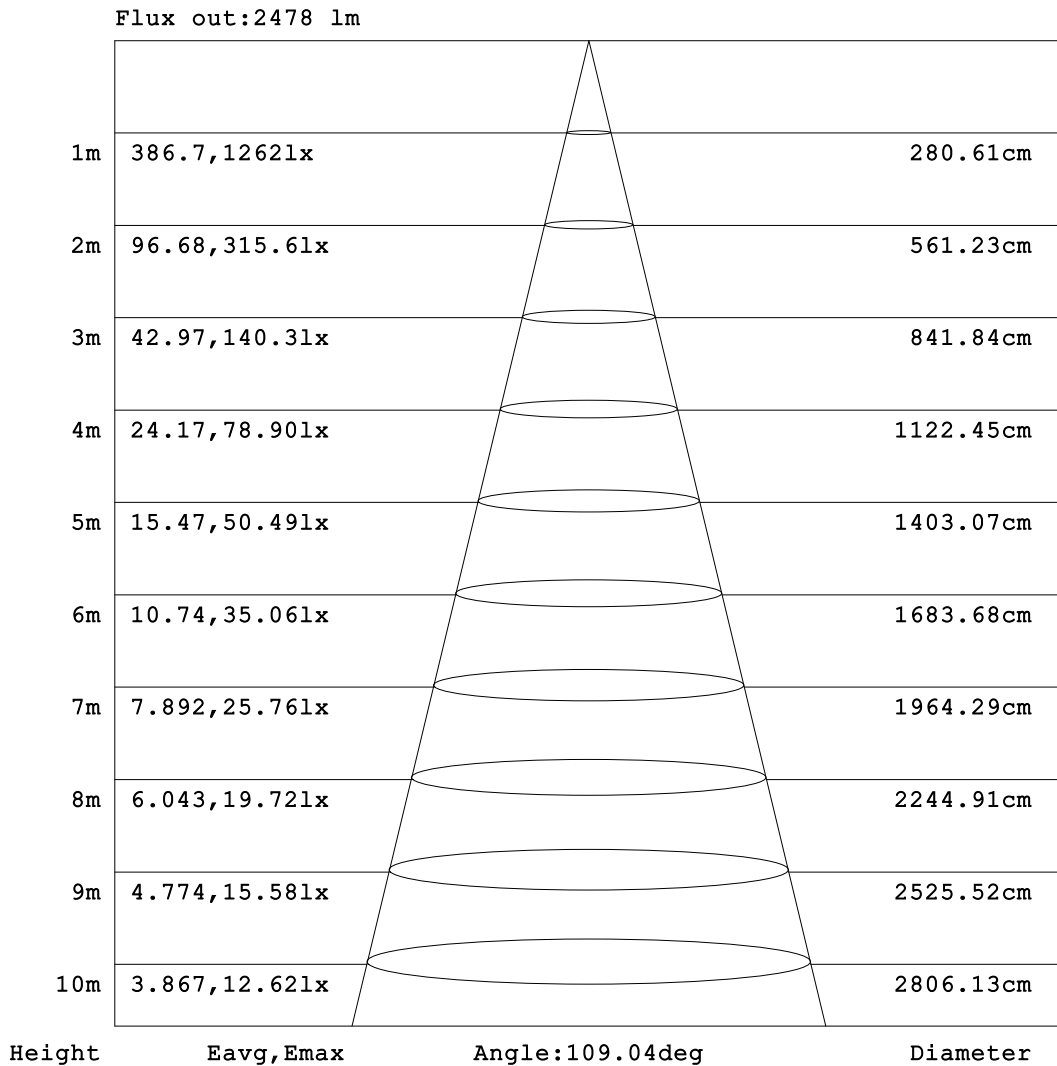


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:



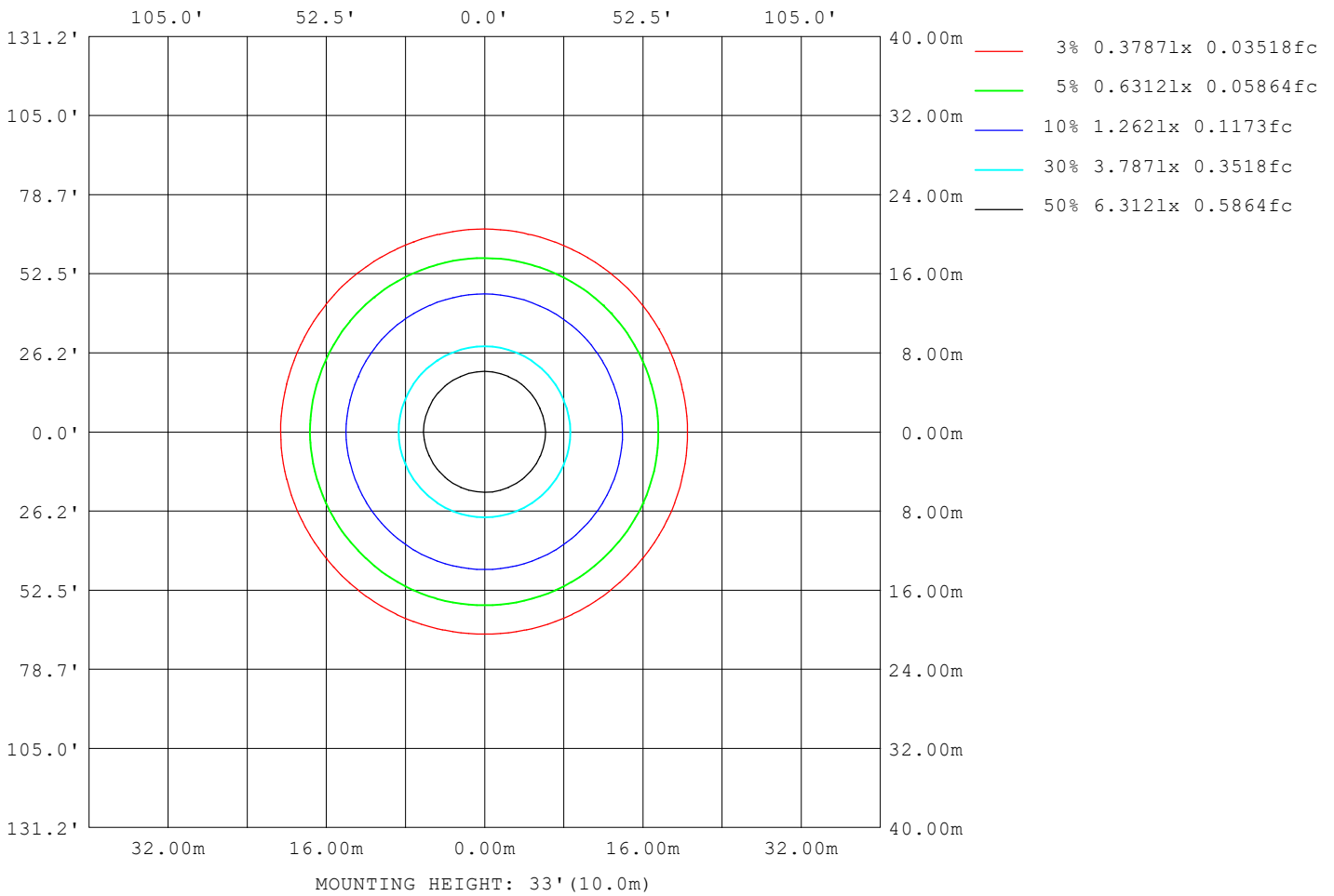
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	Shielding Angle:

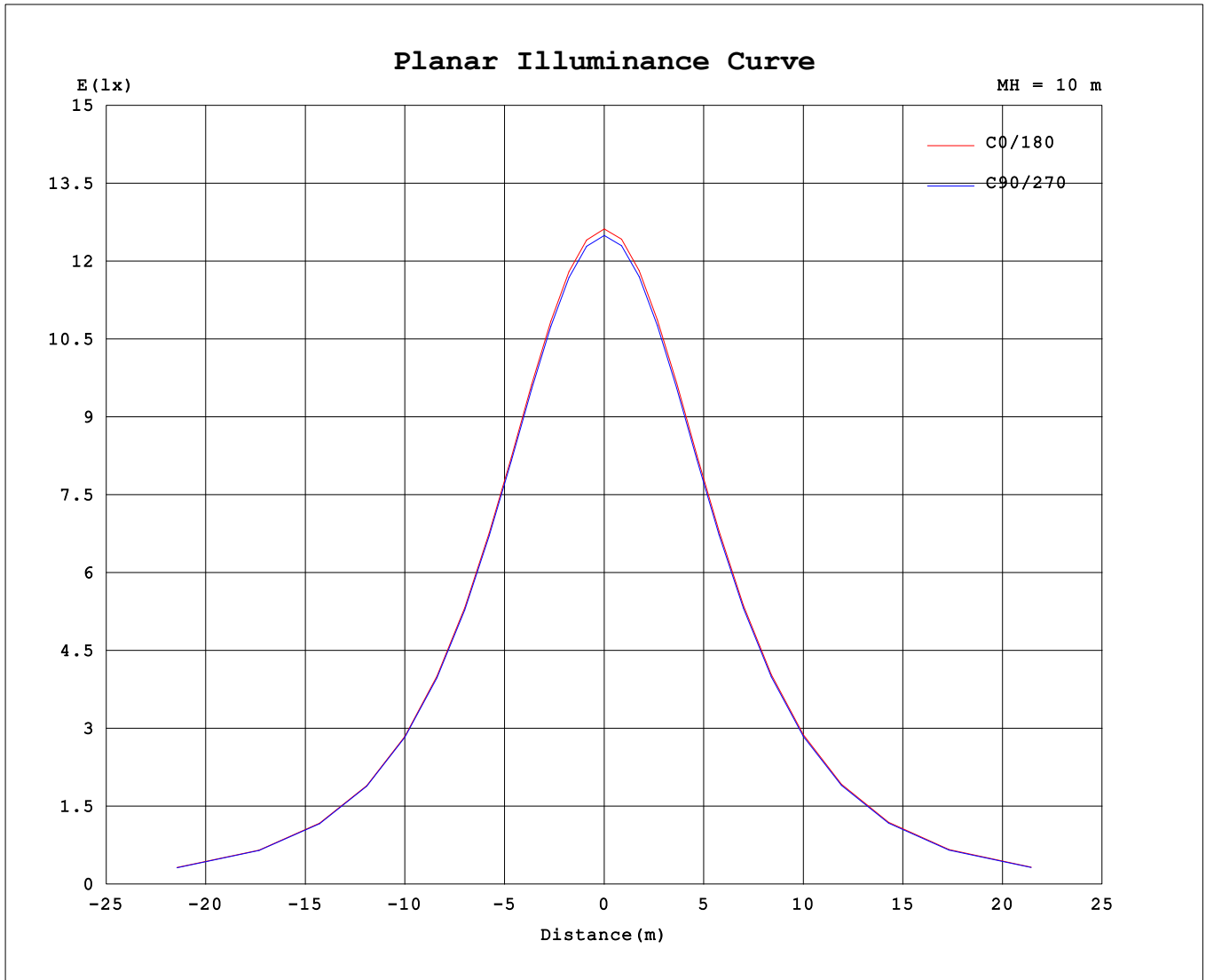
AvgL	cd/m2
L_0~180 (65) av	1018
L_0~180 (75) av	920
L_0~180 (85) av	735
L_90~270 (65) av	1011
L_90~270 (75) av	878
L_90~270 (85) av	507
L_45 (65) av	1017
L_45 (75) av	901
L_45 (85) av	596

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:DAMIN
 Test Date:2023-11-18

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: 2023-11-18

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:220.36V I:0.1389A P:29.072W PF:0.9498 Freq:50.00Hz Lamp Flux:3518.33x1 lm		
NAME: HYD	TYPE: 116	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.: 1	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	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252	1252			
5	1245	1246	1245	1246	1245	1246	1246	1246	1246	1246	1247	1246	1247	1246	1246	1245			
10	1226	1226	1226	1226	1226	1227	1227	1228	1228	1227	1228	1227	1228	1227	1227	1226			
15	1193	1194	1194	1195	1194	1196	1195	1197	1197	1196	1197	1196	1196	1195	1195	1193			
20	1150	1151	1150	1152	1151	1153	1152	1154	1155	1153	1155	1153	1154	1152	1152	1150			
25	1096	1098	1096	1098	1098	1100	1099	1101	1102	1100	1102	1100	1101	1099	1099	1097			
30	1033	1035	1034	1036	1035	1038	1037	1039	1039	1038	1040	1038	1039	1037	1037	1034			
35	962	965	962	965	964	967	966	969	969	968	970	968	969	966	966	963			
40	884	886	884	887	886	889	888	891	891	890	892	890	891	888	888	885			
45	800	802	800	803	802	805	804	807	808	807	809	807	808	804	804	801			
50	711	714	711	714	713	717	716	719	720	718	721	718	719	716	716	712			
55	619	621	619	621	620	623	623	626	627	626	629	626	627	623	623	619			
60	523	525	522	525	524	528	527	531	532	530	533	529	530	527	528	524			
65	425	428	425	427	424	429	430	434	435	433	434	430	430	428	430	427			
70	328	331	326	327	323	330	331	338	338	335	336	330	331	328	332	329			
75	233	235	228	227	223	230	233	241	243	239	238	231	231	229	234	233			
80	144	142	135	132	129	135	139	149	152	147	143	136	135	135	140	142			
85	60.7	57.5	49.1	45.6	42.0	46.6	52.0	62.5	67.4	60.2	54.0	46.9	46.3	46.7	52.7	56.8			
90	2.04	2.09	2.00	1.89	1.90	1.89	1.99	2.33	2.63	2.41	2.19	2.17	2.14	2.18	2.26	2.41			
95	2.29	2.34	2.27	2.31	2.24	2.30	2.25	2.31	2.61	2.55	2.59	2.52	2.57	2.52	2.61	2.58			
100	2.78	2.82	2.78	2.80	2.74	2.79	2.76	2.78	3.14	3.06	3.12	3.03	3.08	3.06	3.13	3.10			
105	3.31	3.36	3.30	3.34	3.28	3.33	3.28	3.32	3.69	3.63	3.68	3.59	3.66	3.61	3.69	3.67			
110	3.88	3.92	3.86	3.90	3.85	3.87	3.83	3.88	4.28	4.23	4.27	4.18	4.27	4.21	4.28	4.26			
115	4.48	4.51	4.44	4.48	4.45	4.45	4.42	4.46	4.92	4.85	4.88	4.81	4.89	4.83	4.89	4.88			
120	5.07	5.10	5.04	5.06	5.04	5.03	4.99	5.04	5.54	5.44	5.49	5.40	5.52	5.43	5.52	5.49			
125	5.66	5.68	5.61	5.64	5.60	5.61	5.56	5.63	6.15	6.03	6.06	5.98	6.09	6.03	6.11	6.09			
130	6.26	6.25	6.18	6.20	6.20	6.19	6.12	6.18	6.73	6.58	6.62	6.55	6.69	6.61	6.68	6.65			
135	6.80	6.81	6.75	6.81	6.79	6.76	6.70	6.74	7.26	7.13	7.18	7.11	7.28	7.18	7.24	7.21			
140	7.36	7.39	7.33	7.40	7.38	7.32	7.26	7.32	7.80	7.68	7.69	7.64	7.82	7.70	7.76	7.74			
145	7.91	7.96	7.89	7.97	7.95	7.90	7.83	7.88	8.30	8.17	8.22	8.14	8.30	8.21	8.27	8.25			
150	8.43	8.48	8.43	8.51	8.47	8.44	8.37	8.41	8.75	8.64	8.69	8.60	8.78	8.68	8.76	8.69			
155	8.93	9.02	8.97	9.08	9.01	8.97	8.90	8.93	9.20	9.12	9.18	9.09	9.26	9.18	9.24	9.14			
160	9.45	9.55	9.52	9.61	9.51	9.50	9.43	9.46	9.67	9.57	9.65	9.58	9.72	9.67	9.72	9.58			
165	9.96	10.0	9.99	10.1	10.01	10.01	9.91	9.97	10.1	10.0	10.1	10.0	10.2	10.1	10.1	10.04			
170	10.4	10.5	10.4	10.6	10.4	10.4	10.3	10.4	10.5	10.4	10.5	10.4	10.5	10.5	10.5	10.4			
175	10.7	10.8	10.8	10.9	10.7	10.8	10.7	10.7	10.8	10.8	10.8	10.7	10.8	10.8	10.9	10.7			
180	10.9	11.0	11.0	11.0	10.9	10.9	10.9	10.9	10.9	10.9	11.0	10.9	10.9	10.9	10.9	10.9			

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