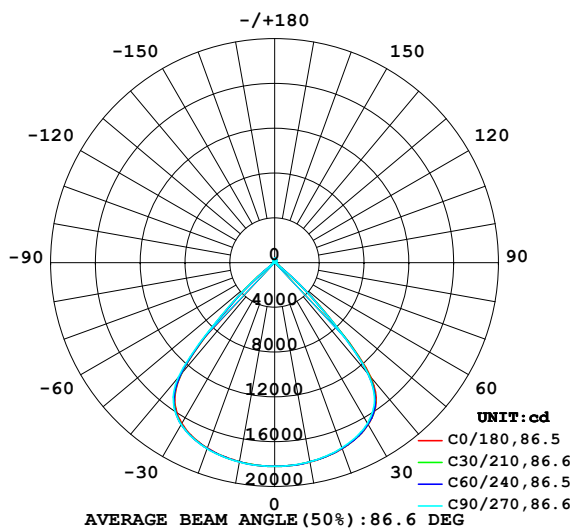


## LUMINAIRE PHOTOMETRIC TEST REPORT

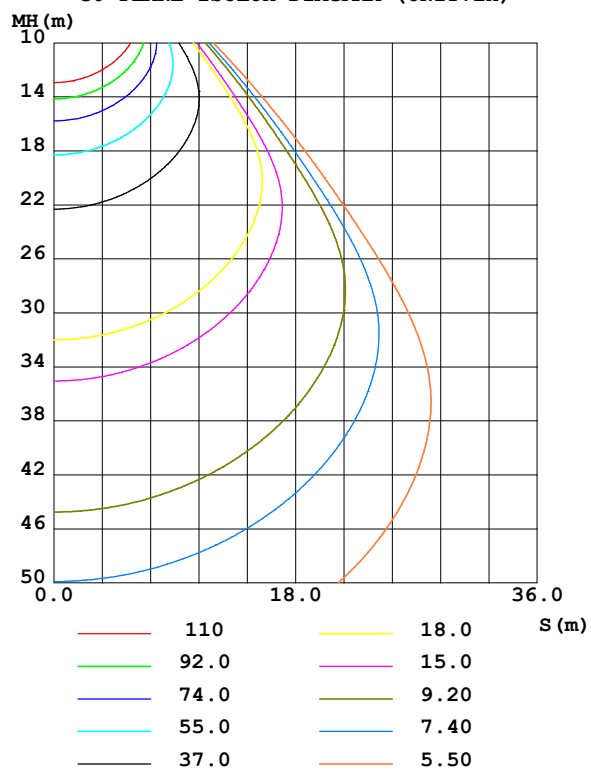
Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 156.10 lm/W			
MODEL		Imax (cd)	18198	S/MH(C0/180)	1.28
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.27
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	31306	$\eta$ UP,DN(C0-180)	1.5,48.9
NOMINAL FLUX(lm)	31305.7	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.0,48.6
LAMPS INSIDE	1	$\eta$ up (%)	2.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	$\eta$ down (%)	97.5	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2023-05-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	1806	1807	1809	1809	1808	1807	1806	1806	0- 10	1731	1731	5.53,5.53
20	1761	1766	1768	1767	1767	1765	1760	1760	10- 20	5064	6795	21.7,21.7
30	1658	1668	1670	1672	1671	1668	1658	1658	20- 30	7957	14753	47.1,47.1
40	1296	1310	1338	1338	1341	1308	1299	1286	30- 40	9624	24377	77.9,77.9
50	195.3	201.5	205.8	205.5	201.5	203.5	202.2	197.6	40- 50	5412	29789	95.2,95.2
60	28.77	30.74	32.05	32.31	32.04	30.04	28.21	28.01	50- 60	556.6	30345	96.9,96.9
70	4.604	5.251	5.905	5.466	5.149	4.777	4.403	4.226	60- 70	162.3	30508	97.5,97.5
80	0.9235	0.9319	0.9401	0.9490	0.8369	0.8092	0.7831	0.7937	70- 80	19.51	30527	97.5,97.5
90	1.251	1.234	1.224	1.219	0.4374	0.4382	0.4399	0.4444	80- 90	7.283	30534	97.5,97.5
100	3.925	3.872	3.823	3.815	0.9910	1.002	1.015	1.019	90-100	16.70	30551	97.6,97.6
110	7.941	7.872	7.805	7.782	2.960	2.993	3.022	3.031	100-110	40.06	30591	97.7,97.7
120	12.83	12.76	12.68	12.65	6.854	6.912	6.960	6.987	110-120	74.46	30666	98,98
130	18.28	18.22	18.13	18.09	12.03	12.10	12.17	12.20	120-130	111.2	30777	98.3,98.3
140	23.59	23.53	23.46	23.41	17.21	17.29	17.36	17.39	130-140	137.5	30914	98.8,98.8
150	27.78	27.77	27.70	27.64	21.42	21.49	21.53	21.55	140-150	141.3	31056	99.2,99.2
160	32.75	32.73	32.69	32.62	26.62	26.69	26.74	26.76	150-160	124.2	31180	99.6,99.6
170	37.17	37.21	37.21	37.17	32.77	32.80	32.84	32.86	160-170	91.19	31271	99.9,99.9
180	37.38	37.53	37.61	37.54	37.57	37.52	37.49	37.54	170-180	34.56	31306	100,100
DEG	LUMINOUS INTENSITY:X10cd									UNIT:lm		

Conical surface Flux(90deg): 28111 lm

%lum = 89.8%

%lamp = 89.8%

Conical surface Flux(120deg): 30345 lm

%lum = 96.9%

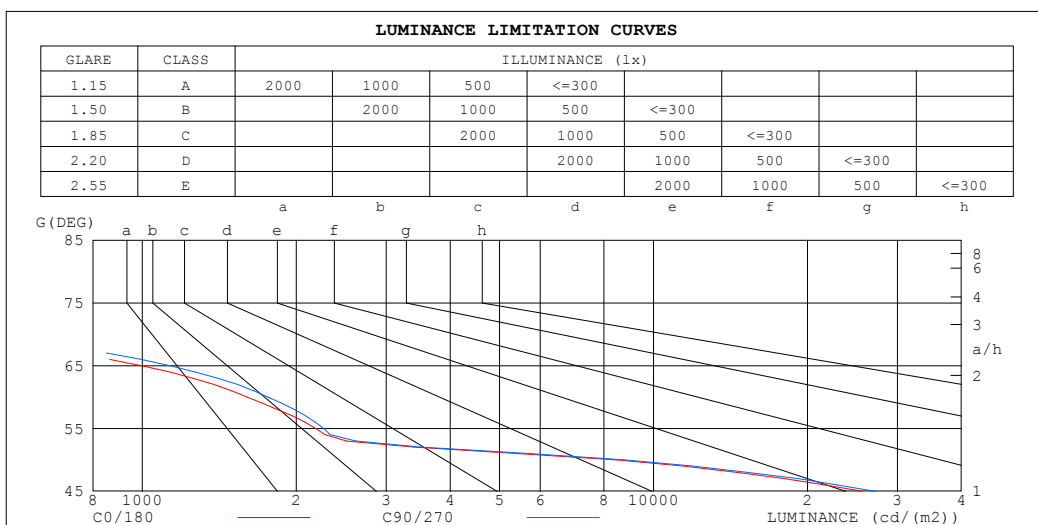
%lamp = 96.9%

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:QC  
 Test Date:2023-05-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
 Humidity:65.0%  
 Test Distance:10.160m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



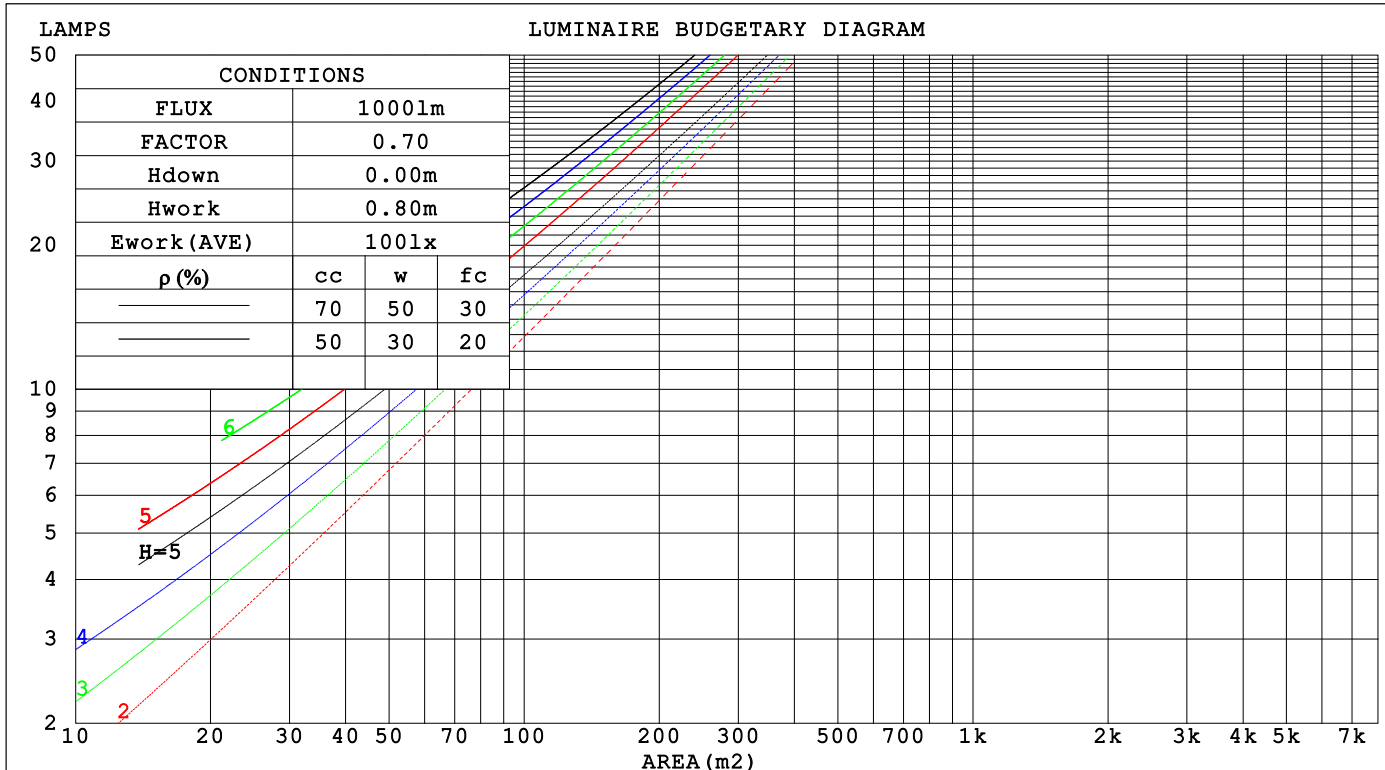
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz			UTHDi:0.00% ITHDi:0.00% KDisp:0			Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.:			SUR.:			Shielding Angle:		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.202	.115	.036	.195	.111	.035	.180	.104	.033	.167	.097	.031	.156	.090	.029		
2.0	.197	.108	.033	.190	.105	.032	.178	.099	.031	.167	.094	.029	.157	.089	.028		
3.0	.189	.101	.030	.183	.098	.030	.173	.094	.028	.163	.089	.027	.154	.085	.026		
4.0	.181	.094	.028	.176	.092	.027	.167	.088	.026	.158	.085	.026	.150	.082	.025		
5.0	.173	.088	.026	.169	.087	.025	.160	.083	.025	.153	.081	.024	.145	.078	.023		
6.0	.165	.083	.024	.161	.081	.023	.154	.079	.023	.147	.076	.022	.140	.074	.022		
7.0	.158	.078	.022	.154	.077	.022	.148	.075	.021	.141	.072	.021	.135	.070	.021		
8.0	.151	.074	.021	.147	.073	.021	.141	.071	.020	.136	.069	.020	.130	.067	.020		
9.0	.144	.070	.019	.141	.069	.019	.136	.067	.019	.130	.065	.019	.126	.064	.018		
10.0	.138	.066	.018	.135	.065	.018	.130	.064	.018	.125	.062	.018	.121	.061	.017		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.192	.176	.162	.164	.151	.139	.112	.104	.096	.065	.060	.056	.021	.019	.018		
2.0	.179	.151	.129	.153	.130	.111	.105	.090	.078	.060	.052	.045	.019	.017	.015		
3.0	.168	.133	.105	.144	.115	.091	.099	.080	.064	.057	.047	.038	.018	.015	.012		
4.0	.159	.119	.088	.137	.103	.076	.094	.071	.054	.054	.042	.032	.017	.014	.010		
5.0	.152	.108	.075	.130	.093	.065	.090	.065	.046	.052	.038	.027	.017	.012	.009		
6.0	.145	.099	.065	.125	.086	.057	.086	.060	.040	.050	.035	.024	.016	.012	.008		
7.0	.139	.092	.058	.120	.079	.051	.083	.056	.036	.048	.033	.021	.016	.011	.007		
8.0	.134	.086	.053	.115	.074	.046	.080	.052	.033	.046	.031	.019	.015	.010	.006		
9.0	.129	.081	.048	.111	.070	.042	.077	.049	.030	.045	.029	.018	.015	.010	.006		
10.0	.124	.077	.045	.107	.067	.039	.074	.047	.028	.043	.028	.017	.014	.009	.005		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm										
NAME: H37U-200W-4000K-RA80-85D					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			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	8.5	9.6	8.8	9.8	10.0	8.5	9.6	8.8	9.9	10.1
3H	8.3	9.3	8.6	9.6	9.8	8.3	9.4	8.6	9.6	9.9
4H	8.2	9.1	8.5	9.4	9.7	8.2	9.2	8.6	9.5	9.7
6H	8.1	9.0	8.4	9.3	9.6	8.1	9.0	8.5	9.3	9.6
8H	8.0	8.9	8.4	9.2	9.5	8.1	8.9	8.5	9.2	9.6
12H	8.0	8.8	8.4	9.1	9.5	8.0	8.9	8.4	9.2	9.5
4H 2H	8.2	9.1	8.5	9.4	9.7	8.2	9.2	8.6	9.5	9.7
3H	8.0	8.8	8.4	9.1	9.5	8.1	8.9	8.4	9.2	9.5
4H	7.9	8.6	8.3	9.0	9.3	8.0	8.7	8.3	9.0	9.4
6H	7.8	8.4	8.2	8.8	9.2	7.9	8.5	8.3	8.9	9.3
8H	7.8	8.3	8.2	8.7	9.2	7.8	8.4	8.2	8.8	9.2
12H	7.7	8.2	8.2	8.7	9.1	7.8	8.3	8.2	8.7	9.2
8H 4H	7.8	8.3	8.2	8.7	9.2	7.8	8.4	8.2	8.8	9.2
6H	7.7	8.1	8.1	8.6	9.0	7.7	8.2	8.2	8.6	9.1
8H	7.6	8.0	8.1	8.5	9.0	7.7	8.1	8.1	8.5	9.0
12H	7.6	7.9	8.1	8.4	8.9	7.6	8.0	8.1	8.4	9.0
12H 4H	7.7	8.2	8.2	8.7	9.1	7.8	8.3	8.2	8.7	9.2
6H	7.6	8.0	8.1	8.5	9.0	7.7	8.1	8.1	8.5	9.0
8H	7.6	7.9	8.1	8.4	8.9	7.6	8.0	8.1	8.4	9.0
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.6 / -15.0					+ 2.6 / -14.8				
1.5H	+ 4.1 / -13.6					+ 4.0 / -13.6				
2.0H	+ 7.5 / -10.7					+ 7.8 / -11.0				

CIE Pub.117, 31306 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 12.0)  
Area: 0.3629 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

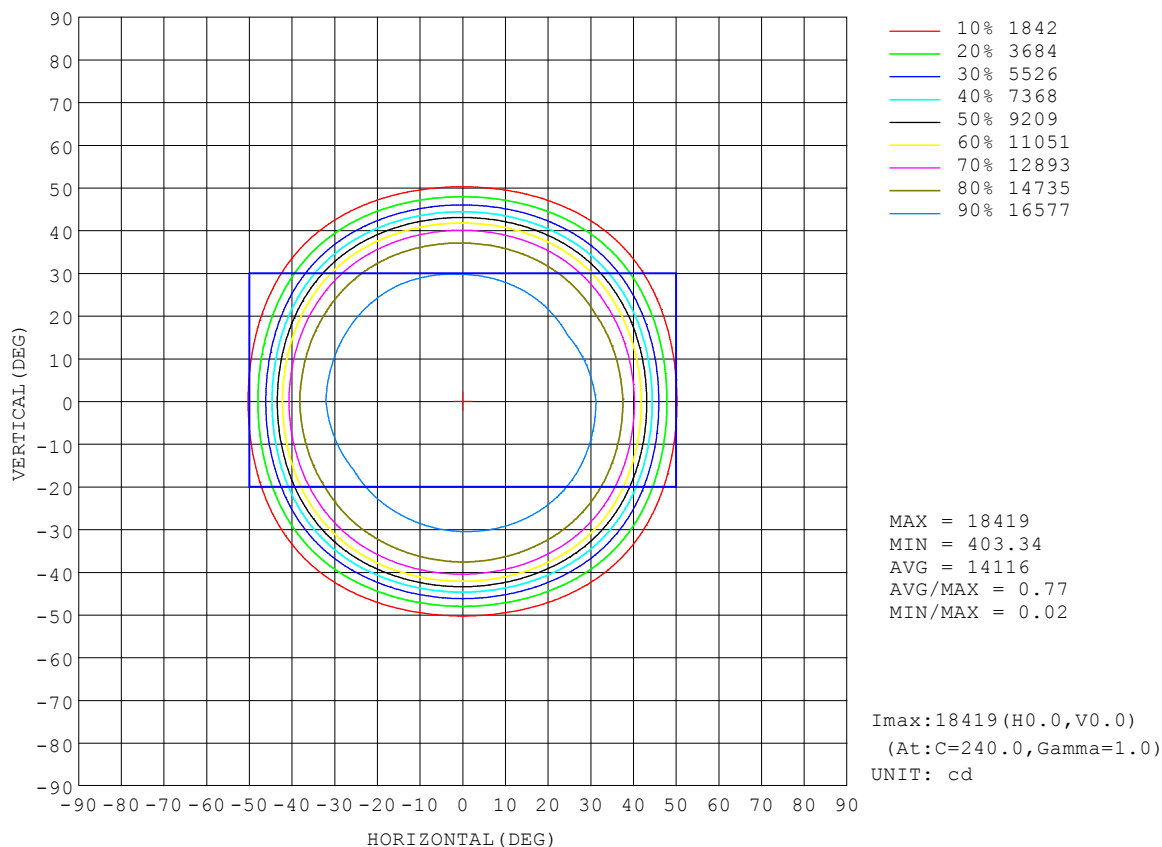
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	78	70	65	77	69	65	76	69	65	60
0.80	87	79	74	86	79	74	84	78	74	69
1.00	93	86	81	92	85	81	90	85	80	75
1.25	98	92	87	97	91	87	94	89	86	81
1.50	101	96	92	100	95	91	97	93	90	84
2.00	105	100	97	104	99	96	100	97	94	88
2.50	107	103	99	105	101	98	102	99	96	89
3.00	109	105	102	107	104	101	103	101	98	91
4.00	112	108	105	109	106	104	105	103	101	93
5.00	113	110	108	111	108	106	106	104	102	94
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: QC  
Test Date: 2023-05-15

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 10.160m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



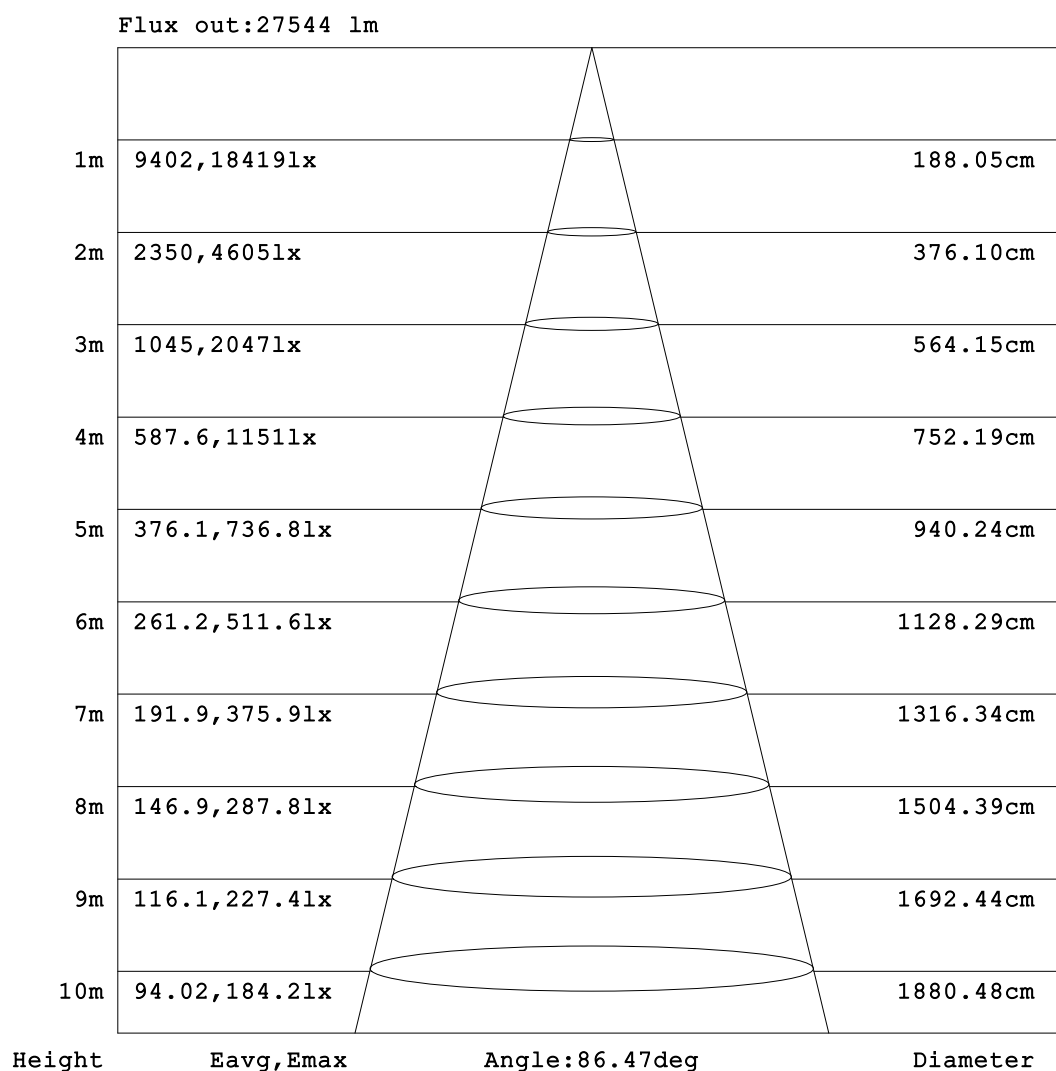
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



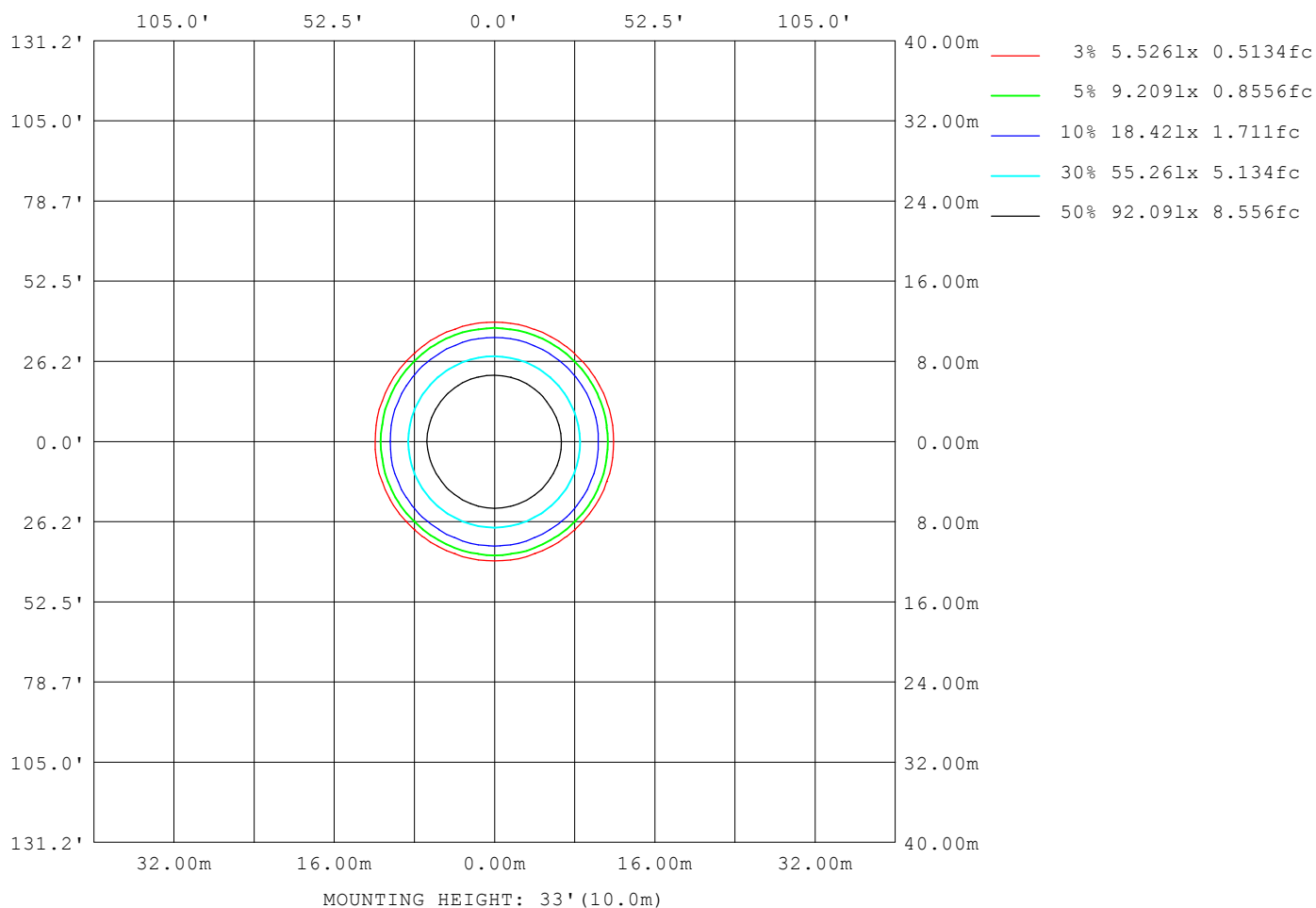
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

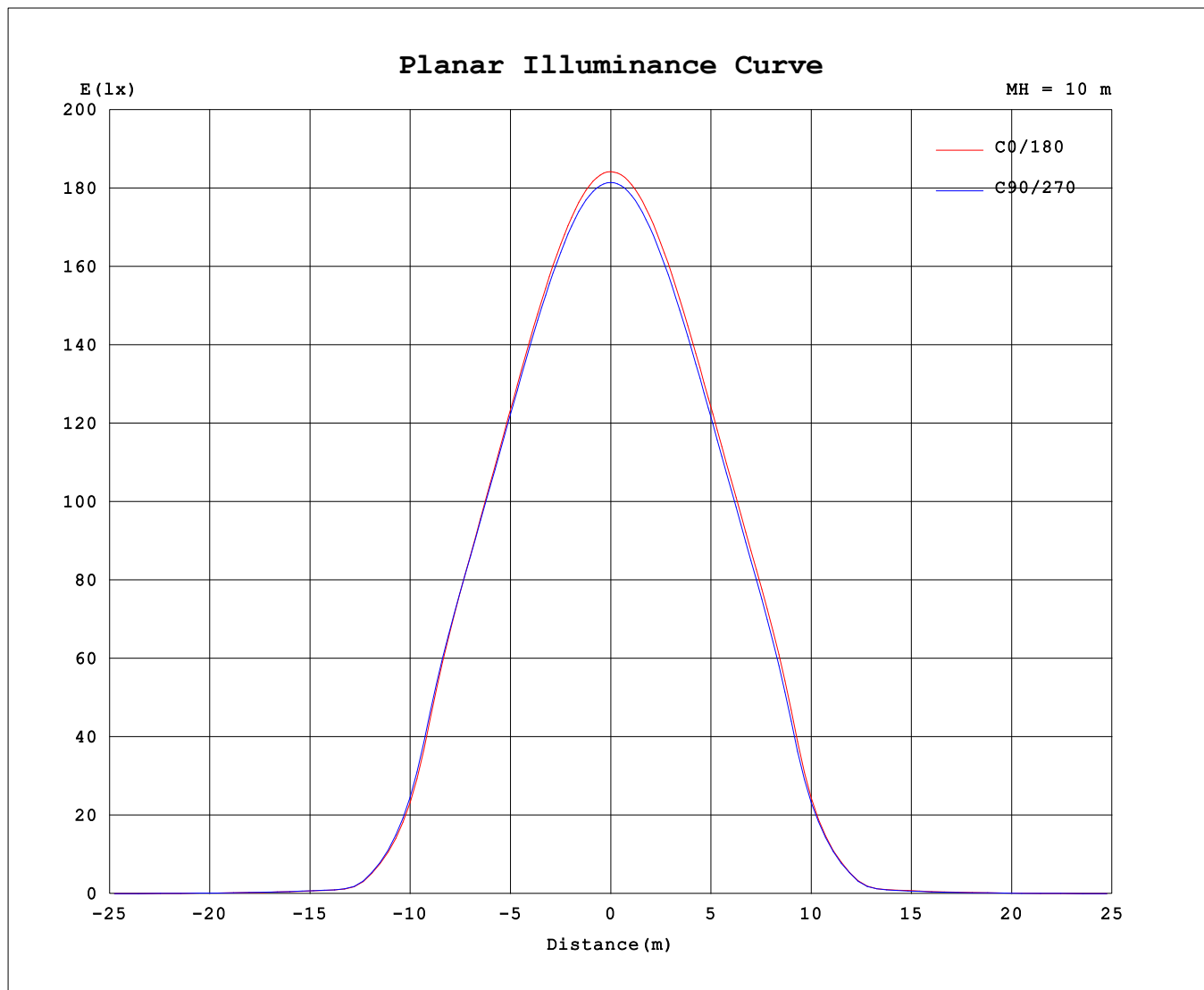
AvgL	cd/m2
L_0~180 (65) av	1040
L_0~180 (75) av	163
L_0~180 (85) av	178
L_90~270 (65) av	1049
L_90~270 (75) av	153
L_90~270 (85) av	178
L_45 (65) av	1035
L_45 (75) av	159
L_45 (85) av	178

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2023-05-15

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.160m [K=1.0000]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators: QC  
 Test Date: 2023-05-15

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
 Humidity: 65.0%  
 Test Distance: 10.160m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.08V I:0.8887A P:200.55W PF:0.9808 Freq:49.99Hz		
UTHDi:0.00% ITHDi:0.00% KDisp:0 Lamp Flux:31305.7x1 lm		
NAME: H37U-200W-4000K-RA80-85D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: X10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820	1820						
5	1816	1817	1817	1817	1817	1818	1818	1817	1817	1817	1817	1817						
10	1806	1807	1807	1809	1809	1809	1808	1807	1807	1806	1807	1806						
15	1788	1790	1791	1792	1792	1793	1792	1790	1790	1787	1788	1788						
20	1761	1765	1766	1768	1766	1768	1767	1764	1765	1760	1761	1760						
25	1722	1726	1729	1730	1728	1731	1729	1727	1727	1720	1721	1720						
30	1658	1666	1669	1670	1669	1674	1671	1668	1668	1658	1659	1657						
35	1551	1561	1564	1570	1568	1573	1573	1567	1564	1551	1553	1548						
40	1296	1306	1314	1338	1335	1341	1341	1316	1300	1299	1289	1282						
45	650	677	671	698	684	704	682	679	658	660	651	656						
50	195	202	201	206	202	209	201	205	202	202	195	200						
55	44.9	46.2	46.8	47.3	46.6	49.4	48.6	47.3	46.3	44.4	44.4	44.6						
60	28.8	30.8	30.7	32.0	31.4	33.2	32.0	31.0	29.1	28.2	27.7	28.4						
65	15.1	16.5	16.1	17.4	16.6	17.7	16.8	16.3	15.0	14.8	14.1	14.8						
70	4.60	5.42	5.08	5.91	5.09	5.84	5.15	5.18	4.37	4.40	3.95	4.50						
75	1.54	1.52	1.54	1.49	1.58	1.56	1.53	1.46	1.45	1.38	1.42	1.38						
80	0.92	0.93	0.93	0.94	0.96	0.94	0.84	0.81	0.81	0.78	0.80	0.79						
85	0.71	0.72	0.70	0.71	0.70	0.72	0.41	0.42	0.41	0.42	0.41	0.42						
90	1.25	1.24	1.23	1.22	1.22	1.22	0.44	0.43	0.44	0.44	0.45	0.44						
95	2.38	2.34	2.33	2.31	2.31	2.30	0.62	0.63	0.63	0.64	0.64	0.64						
100	3.93	3.88	3.86	3.82	3.82	3.81	0.99	1.00	1.01	1.02	1.02	1.02						
105	5.81	5.75	5.72	5.68	5.67	5.66	1.72	1.72	1.75	1.75	1.76	1.76						
110	7.94	7.90	7.85	7.80	7.78	7.78	2.96	2.97	3.01	3.02	3.04	3.02						
115	10.3	10.3	10.2	10.2	10.1	10.1	4.70	4.73	4.77	4.80	4.81	4.81						
120	12.8	12.8	12.7	12.7	12.6	12.7	6.85	6.88	6.94	6.96	7.00	6.98						
125	15.5	15.5	15.4	15.4	15.3	15.3	9.33	9.38	9.44	9.47	9.50	9.49						
130	18.3	18.3	18.2	18.1	18.1	18.1	12.0	12.1	12.1	12.2	12.2	12.2						
135	21.0	21.0	20.9	20.9	20.8	20.8	14.7	14.7	14.8	14.8	14.9	14.9						
140	23.6	23.6	23.5	23.5	23.4	23.4	17.2	17.2	17.3	17.4	17.4	17.4						
145	25.8	25.8	25.7	25.7	25.6	25.7	19.4	19.5	19.5	19.6	19.6	19.6						
150	27.8	27.8	27.7	27.7	27.6	27.6	21.4	21.4	21.5	21.5	21.6	21.5						
155	30.0	30.1	30.0	30.0	29.9	29.9	23.8	23.8	23.9	23.9	23.9	23.9						
160	32.8	32.8	32.7	32.7	32.6	32.6	26.6	26.6	26.8	26.7	26.8	26.7						
165	35.3	35.3	35.2	35.3	35.2	35.2	29.7	29.7	29.8	29.8	29.9	29.8						
170	37.2	37.3	37.1	37.2	37.1	37.2	32.8	32.7	32.9	32.8	32.9	32.8						
175	38.0	38.1	38.0	38.1	38.0	38.1	35.5	35.5	35.6	35.5	35.6	35.5						
180	37.4	37.6	37.5	37.6	37.5	37.6	37.6	37.4	37.6	37.5	37.6	37.5						

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