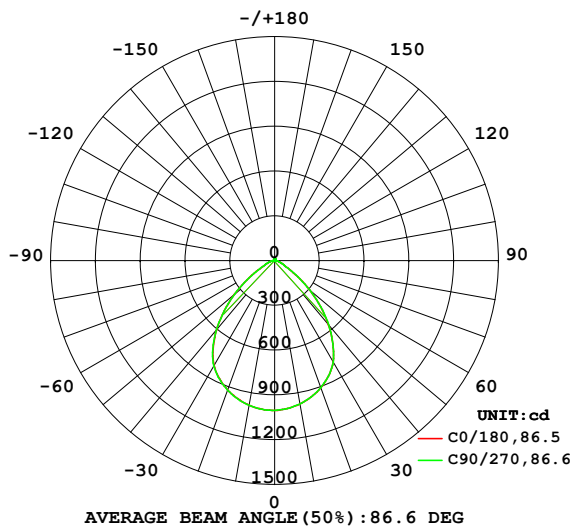


LUMINAIRE PHOTOMETRIC TEST REPORT

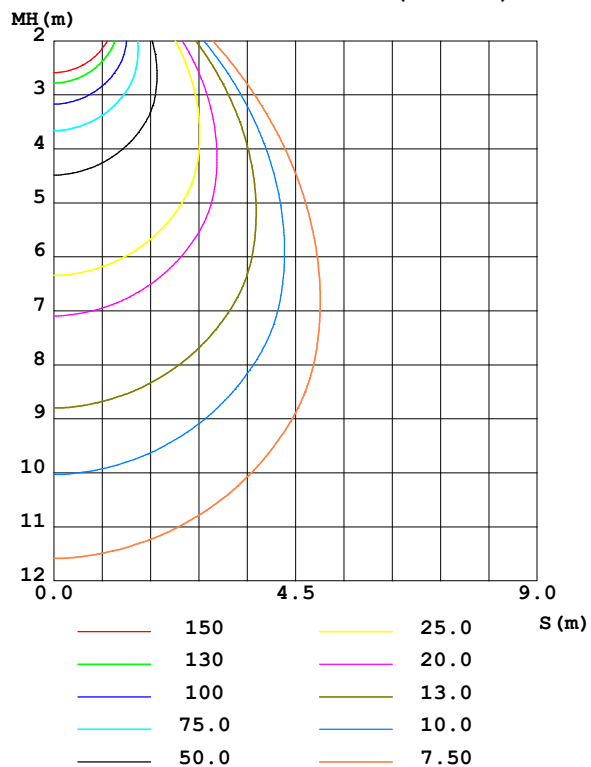
Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K(600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.11 lm/W			
MODEL		I _{max} (cd)	1004	S/MH(C0/180)	1.21
NOMINAL POWER(W)	19	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	240	TOTAL FLUX(lm)	1886.1	η UP,DN(C0-180)	0.9,48.0
NOMINAL FLUX(lm)	1886.07	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,50.2
LAMPS INSIDE	1	η up (%)	1.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	240	η down (%)	98.3	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [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	976.3	972.9	975.5	981.4	984.1	987.4	984.9	978.6	0- 10	94.65	94.65	5.02,5.02
20	906.0	900.3	905.7	917.3	921.8	927.8	923.7	911.2	10- 20	268.5	363.2	19.3,19.3
30	784.8	773.6	784.7	805.5	812.7	821.8	815.3	794.4	20- 30	397.4	760.6	40.3,40.3
40	562.5	546.7	564.1	596.5	606.2	619.8	607.9	574.8	30- 40	436.1	1197	63.4,63.4
50	305.7	293.1	308.6	339.6	349.9	366.0	350.9	317.3	40- 50	351.2	1548	82.1,82.1
60	102.2	94.73	102.6	120.4	127.8	139.4	129.4	108.7	50- 60	190.0	1738	92.1,92.1
70	45.35	43.13	45.44	50.47	52.06	54.83	52.69	47.32	60- 70	73.33	1811	96,96
80	15.55	14.16	15.50	18.55	19.71	21.37	19.98	16.73	70- 80	33.73	1845	97.8,97.8
90	0.5423	0.5341	0.5441	0.5480	0.4676	1.263	0.5709	0.4889	80- 90	8.430	1853	98.3,98.3
100	1.309	1.368	1.322	1.192	1.020	0.9848	1.024	1.147	90-100	0.8543	1854	98.3,98.3
110	2.665	2.802	2.709	2.497	2.180	2.090	2.188	2.370	100-110	1.847	1856	98.4,98.4
120	4.591	4.748	4.633	4.368	3.901	3.767	3.885	4.136	110-120	3.267	1859	98.6,98.6
130	6.779	6.931	6.835	6.546	6.043	5.866	5.987	6.278	120-130	4.752	1864	98.8,98.8
140	8.873	9.033	8.959	8.691	8.148	7.986	8.087	8.373	130-140	5.770	1870	99.1,99.1
150	10.79	10.96	10.94	10.65	10.07	9.953	10.07	10.31	140-150	5.941	1876	99.5,99.5
160	12.66	12.74	12.78	12.54	12.06	11.93	12.10	12.26	150-160	5.266	1881	99.7,99.7
170	14.05	14.18	14.16	14.14	13.82	13.72	13.79	13.93	160-170	3.728	1885	99.9,99.9
180	14.54	14.67	14.63	14.74	14.56	14.66	14.64	14.75	170-180	1.366	1886	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1389.4 lm

%lum = 73.7%

%lamp = 73.7%

Conical surface Flux(120deg): 1737.8 lm

%lum = 92.1%

%lamp = 92.1%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:DAMIN
 Test Date:2022-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
 Humidity:65.0%
 Test Distance:12.020m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz

Lamp Flux:1886.07x1 lm

NAME: R603 W4K (600MA)

TYPE:

WEIGHT:

SPEC.:

DIM.:

SERIAL No.: 1

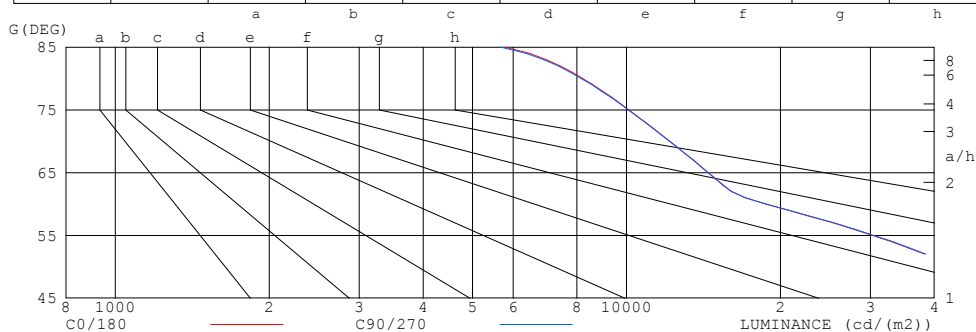
MFR.:

SUR.:

Shielding Angle:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



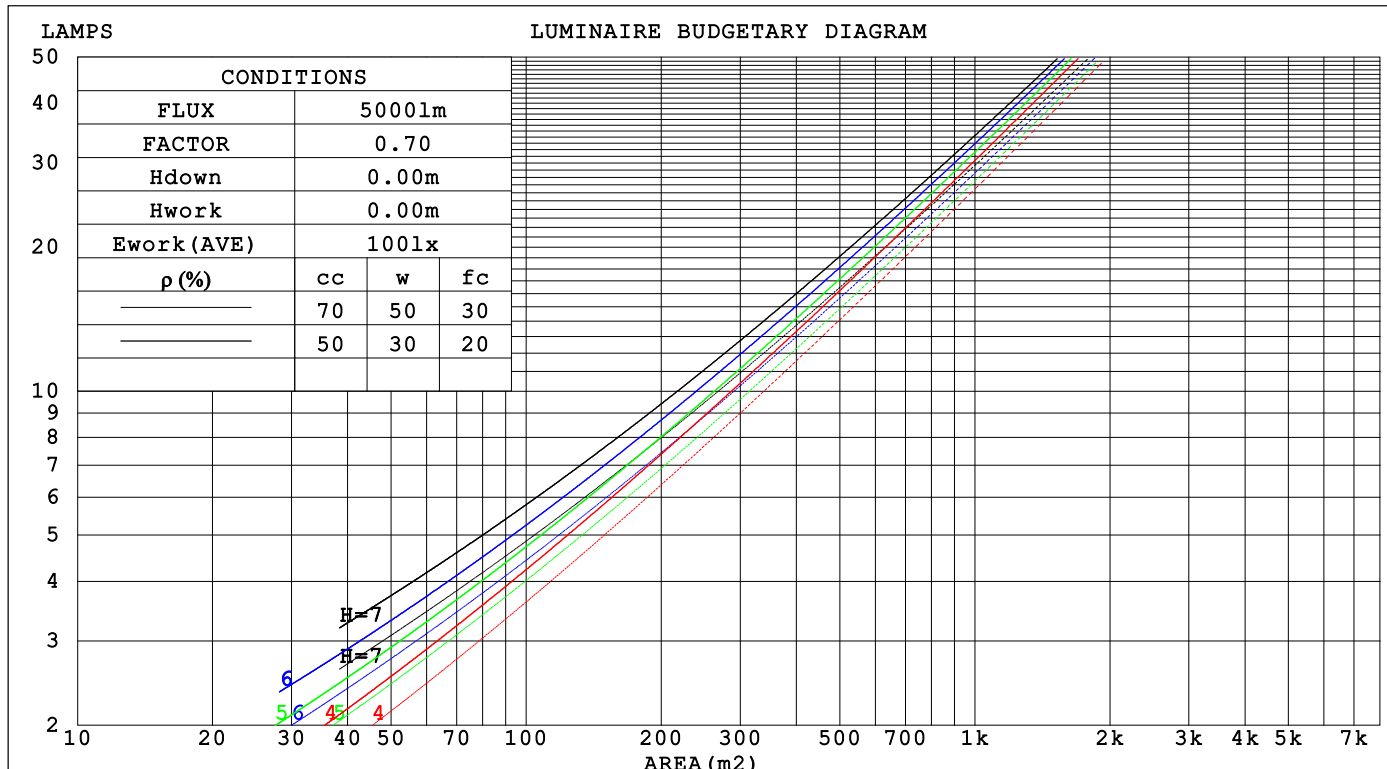
LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5789	5686
80	8215	8162
75	10113	10084
70	12161	12146
65	14456	14434
60	18739	18761
55	30312	30497
50	43617	43885
45	56330	56528

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0														
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
p _{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	1.00	1.00	1.00	.98														
1.0	1.07	1.04	1.01	1.05	1.02	.99	1.00	.98	.96	.96	.94	.93	.93	.91	.90	.88														
2.0	.97	.91	.87	.95	.90	.86	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77														
3.0	.87	.81	.75	.86	.80	.75	.83	.77	.73	.80	.75	.72	.77	.73	.70	.68														
4.0	.79	.72	.66	.78	.71	.66	.75	.69	.65	.73	.68	.64	.71	.66	.63	.61														
5.0	.72	.64	.59	.71	.64	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.54														
6.0	.66	.58	.52	.65	.57	.52	.63	.56	.52	.61	.55	.51	.59	.54	.51	.49														
7.0	.60	.53	.47	.59	.52	.47	.58	.51	.47	.56	.51	.46	.55	.50	.46	.44														
8.0	.55	.48	.43	.55	.48	.43	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40														
9.0	.51	.44	.39	.51	.44	.39	.49	.43	.39	.48	.43	.38	.47	.42	.38	.36														
10.0	.48	.40	.36	.47	.40	.36	.46	.40	.35	.45	.39	.35	.44	.39	.35	.33														



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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

```

WEC AND CCEC

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
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	.236	.134	.042	.228	.130	.041	.214	.123	.039	.202	.116	.037	.190	.110	.035		
2.0	.228	.125	.038	.222	.122	.038	.210	.117	.036	.198	.111	.035	.188	.106	.034		
3.0	.217	.115	.035	.211	.113	.034	.201	.109	.033	.191	.105	.032	.182	.101	.031		
4.0	.205	.106	.031	.200	.105	.031	.191	.101	.030	.182	.098	.029	.174	.094	.029		
5.0	.193	.099	.029	.189	.097	.028	.181	.094	.028	.173	.091	.027	.166	.089	.027		
6.0	.183	.092	.026	.179	.090	.026	.171	.088	.026	.164	.085	.025	.158	.083	.025		
7.0	.173	.085	.024	.169	.084	.024	.162	.082	.024	.156	.080	.023	.150	.078	.023		
8.0	.163	.080	.022	.160	.079	.022	.154	.077	.022	.149	.075	.022	.143	.074	.021		
9.0	.155	.075	.021	.152	.074	.021	.147	.072	.021	.141	.071	.020	.137	.069	.020		
10.0	.147	.071	.020	.144	.070	.019	.140	.068	.019	.135	.067	.019	.130	.066	.019		

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	.204	.204	.204	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022		
1.0	.189	.170	.154	.161	.146	.132	.110	.100	.091	.064	.058	.053	.020	.019	.017		
2.0	.177	.146	.119	.152	.125	.103	.104	.087	.072	.060	.050	.042	.019	.016	.014		
3.0	.168	.127	.095	.144	.110	.083	.099	.076	.058	.057	.045	.034	.018	.014	.011		
4.0	.160	.114	.078	.137	.098	.068	.094	.068	.048	.054	.040	.028	.018	.013	.009		
5.0	.152	.103	.066	.131	.089	.058	.090	.062	.041	.052	.036	.024	.017	.012	.008		
6.0	.145	.094	.057	.125	.081	.050	.086	.057	.035	.050	.034	.021	.016	.011	.007		
7.0	.139	.087	.050	.120	.075	.044	.083	.053	.031	.048	.031	.019	.016	.010	.006		
8.0	.133	.081	.045	.115	.070	.039	.080	.049	.028	.046	.029	.017	.015	.010	.006		
9.0	.128	.076	.041	.110	.066	.036	.076	.047	.026	.045	.027	.015	.014	.009	.005		
10.0	.123	.072	.038	.106	.063	.033	.074	.044	.024	.043	.026	.014	.014	.009	.005		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm										
NAME: R603 W4K (600MA)					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 1		
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	23.6	24.9	23.9	25.1	25.3	23.6	24.8	23.9	25.1	25.3
3H	23.8	24.9	24.1	25.1	25.4	23.7	24.9	24.0	25.1	25.4
4H	23.8	24.9	24.1	25.1	25.4	23.8	24.9	24.1	25.1	25.4
6H	23.8	24.8	24.1	25.1	25.4	23.8	24.8	24.1	25.1	25.4
8H	23.8	24.8	24.1	25.1	25.4	23.8	24.7	24.1	25.0	25.4
12H	23.8	24.7	24.1	25.0	25.3	23.7	24.7	24.1	25.0	25.3
4H 2H	23.6	24.6	23.9	24.9	25.2	23.5	24.6	23.9	24.9	25.2
3H	23.8	24.8	24.2	25.1	25.4	23.8	24.7	24.2	25.1	25.4
4H	23.9	24.8	24.3	25.1	25.5	23.9	24.8	24.3	25.1	25.5
6H	24.0	24.7	24.4	25.1	25.5	24.0	24.7	24.4	25.1	25.5
8H	24.0	24.7	24.4	25.1	25.5	24.0	24.7	24.4	25.1	25.5
12H	24.0	24.6	24.4	25.0	25.5	24.0	24.6	24.4	25.0	25.4
8H 4H	23.9	24.6	24.3	25.0	25.4	23.9	24.6	24.3	25.0	25.4
6H	24.0	24.6	24.5	25.0	25.5	24.0	24.5	24.4	25.0	25.4
8H	24.0	24.5	24.5	25.0	25.5	24.0	24.5	24.5	25.0	25.4
12H	24.0	24.5	24.5	24.9	25.4	24.0	24.4	24.5	24.9	25.4
12H 4H	23.9	24.5	24.3	24.9	25.3	23.8	24.5	24.3	24.9	25.3
6H	24.0	24.5	24.5	24.9	25.4	24.0	24.5	24.4	24.9	25.4
8H	24.0	24.4	24.5	24.9	25.4	24.0	24.4	24.5	24.9	25.4
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.1 / - 1.7					+ 1.1 / - 1.6				
1.5H	+ 0.8 / - 1.3					+ 0.8 / - 1.4				
2.0H	+ 2.8 / - 2.8					+ 2.8 / - 2.8				

CIE Pub.117, 1886 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.2)
Area: 0.0109359 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

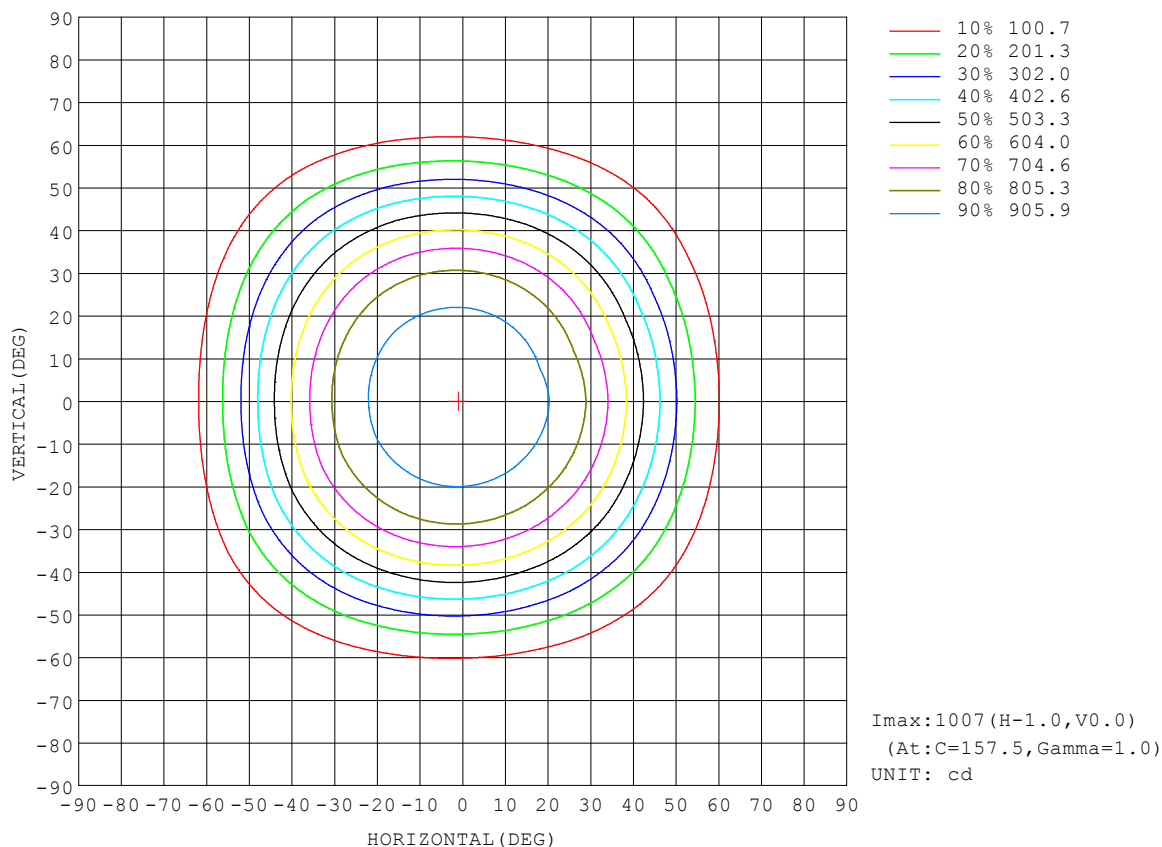
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	58	53	66	58	53	47
0.80	78	69	63	77	68	63	76	68	62	57
1.00	86	77	72	85	77	71	83	77	71	65
1.25	92	84	79	91	83	78	88	82	77	71
1.50	96	89	84	95	88	83	92	86	82	76
2.00	102	95	90	100	94	90	96	92	88	81
2.50	104	98	94	102	97	93	99	94	91	83
3.00	107	102	98	105	100	96	101	97	94	86
4.00	110	105	102	107	103	100	103	100	97	89
5.00	111	108	105	109	106	103	104	102	100	91
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: 2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

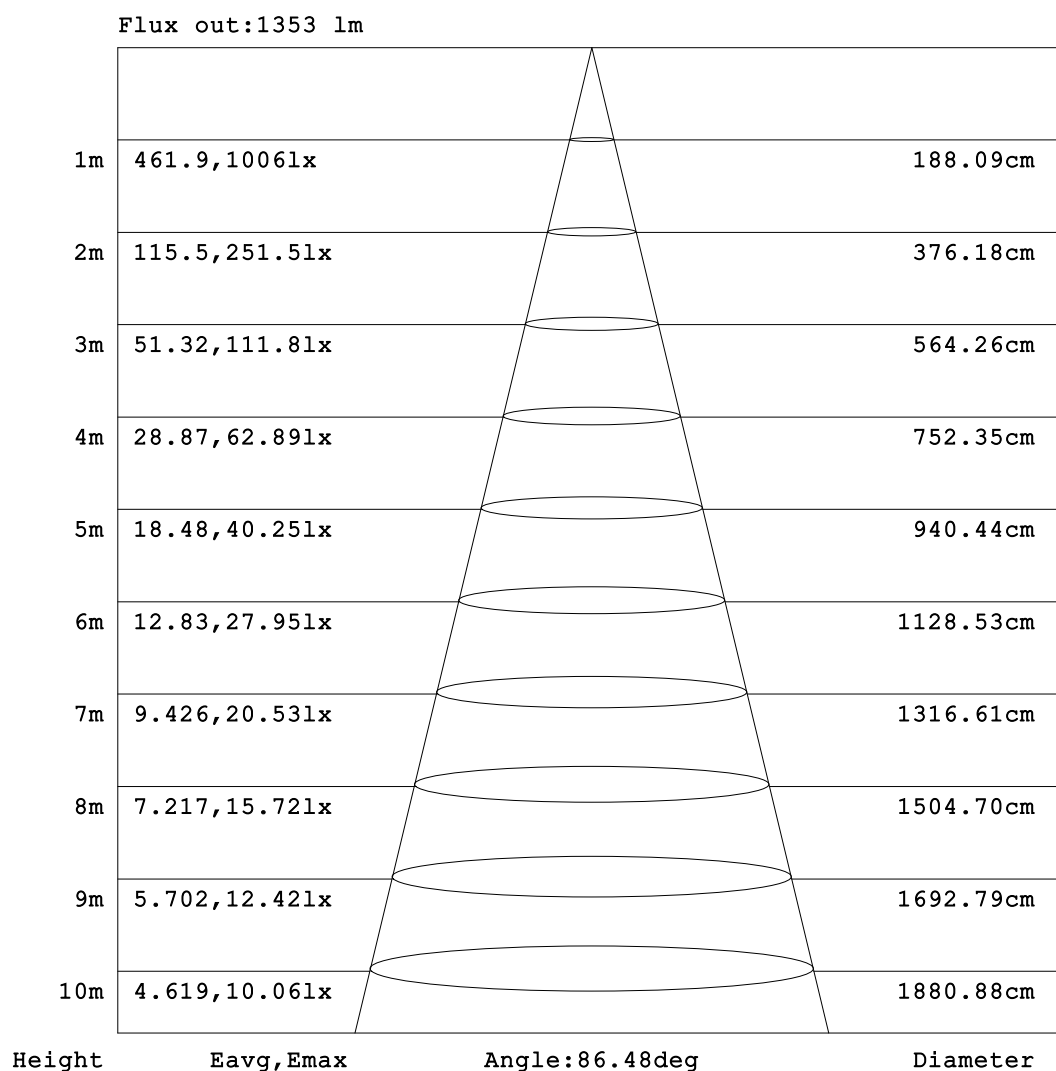


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [K=1.0000]
Remarks:

AAI Figure

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



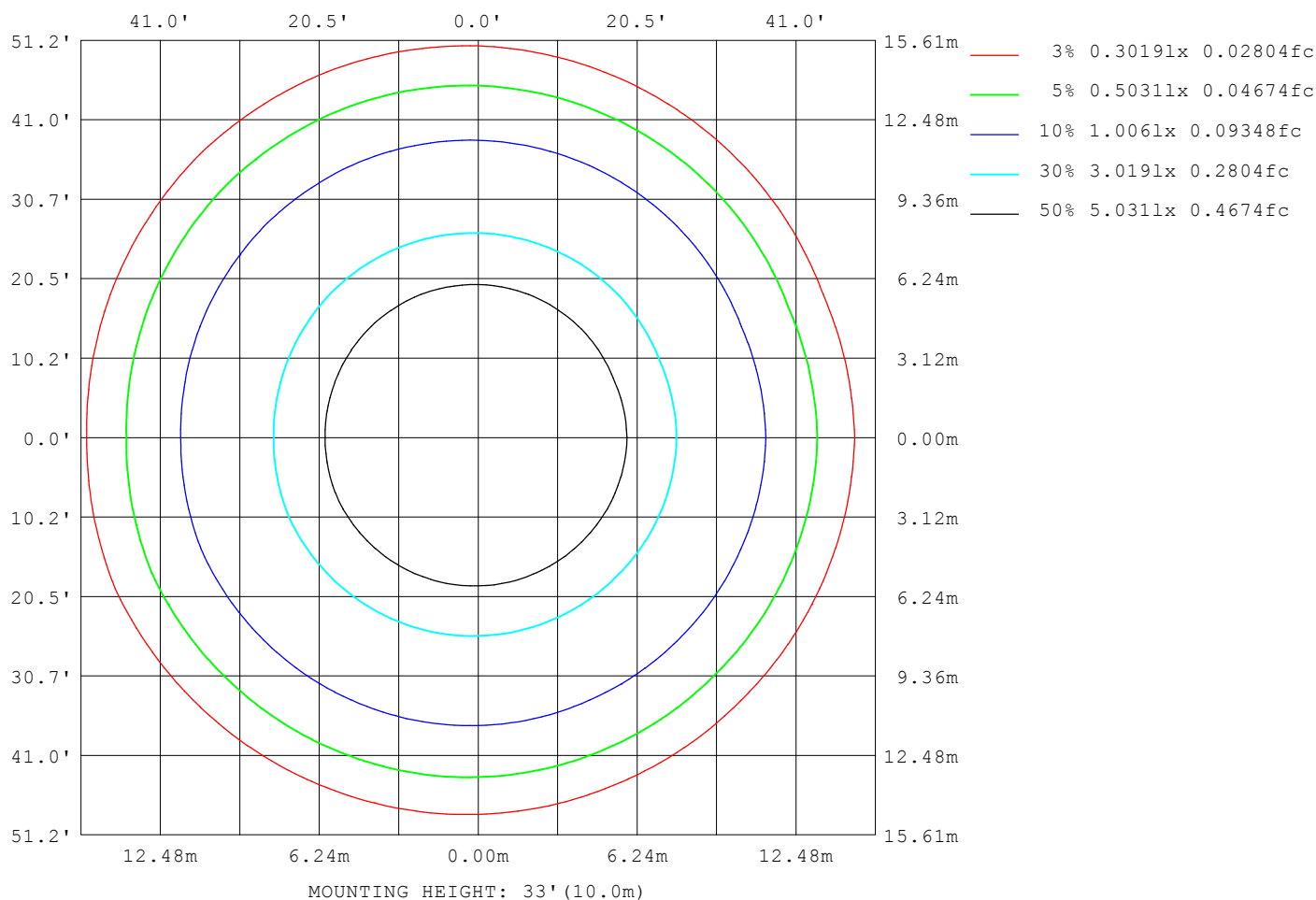
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: DAMIN
Test Date: 2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity: 65.0%
Test Distance: 12.020m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: DAMIN
 Test Date: 2022-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
 Humidity: 65.0%
 Test Distance: 12.020m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	Shielding Angle:

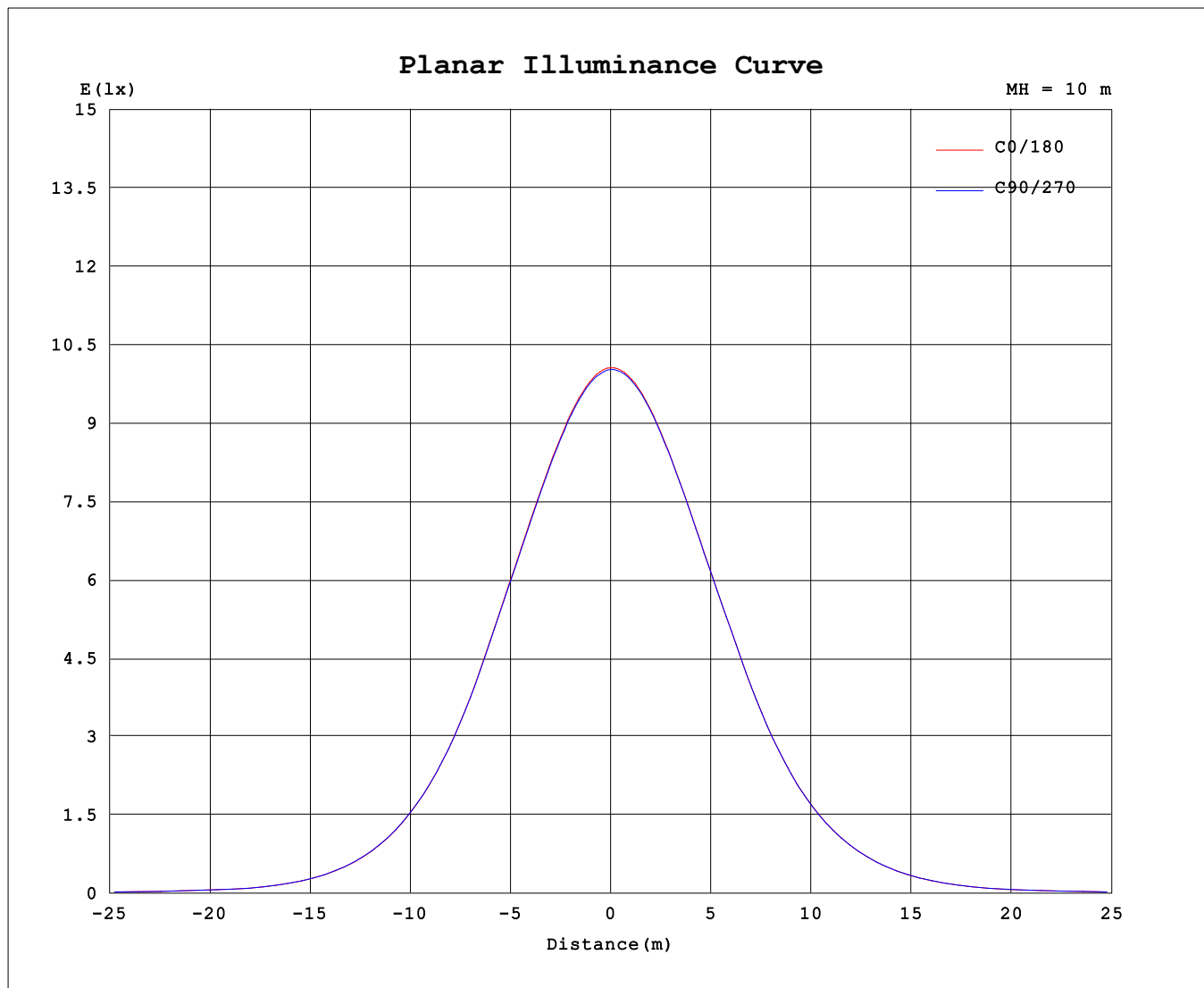
AvgL	cd/m2
L_0~180 (65) av	15335
L_0~180 (75) av	11034
L_0~180 (85) av	7478
L_90~270 (65) av	15378
L_90~270 (75) av	11121
L_90~270 (85) av	7526
L_45 (65) av	15368
L_45 (75) av	11085
L_45 (85) av	7534

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:DAMIN
Test Date:2022-12-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.457
Humidity:65.0%
Test Distance:12.020m [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: 2022-12-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.457
 Humidity: 65.0%
 Test Distance: 12.020m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:239.28V I:0.0746A P:17.286W PF:0.9680 Freq:49.99Hz Lamp Flux:1886.07x1 lm		
NAME: R603 W4K (600MA)	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 1
MFR.:	SUR.:	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	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003			
5	995	994	993	993	994	998	998	999	999	1001	1001	1001	1000	999	996	995			
10	976	974	973	973	976	980	981	985	984	986	987	986	985	984	979	975			
15	947	945	942	942	946	950	955	960	958	961	963	962	959	956	951	945			
20	906	903	900	901	906	912	917	924	922	925	928	927	924	919	911	904			
25	855	851	847	848	854	861	869	876	875	878	882	880	876	870	862	852			
30	785	779	774	776	785	796	806	817	813	818	822	821	815	806	794	780			
35	682	674	668	671	682	697	712	728	720	727	733	731	723	710	694	677			
40	563	552	547	549	564	581	596	614	606	613	620	617	608	593	575	556			
45	434	424	420	423	437	452	470	487	479	489	494	492	480	466	446	428			
50	306	297	293	297	309	322	340	358	350	360	366	363	351	335	317	299			
55	190	183	179	182	191	203	217	234	228	237	244	240	229	214	199	183			
60	102	97.6	94.7	96.7	103	110	120	132	128	135	139	137	129	119	109	98.6			
65	66.6	65.0	63.9	64.5	66.7	69.7	73.1	76.7	75.1	77.0	78.3	77.6	75.4	72.3	68.8	65.2			
70	45.4	43.9	43.1	43.7	45.4	47.7	50.5	53.3	52.1	53.6	54.8	54.5	52.7	50.2	47.3	44.3			
75	28.5	27.4	26.8	27.2	28.5	30.4	32.4	34.8	33.9	35.1	36.1	35.7	34.4	32.3	30.2	27.7			
80	15.6	14.6	14.2	14.4	15.5	16.8	18.5	20.4	19.7	20.7	21.4	21.1	20.0	18.5	16.7	15.0			
85	5.50	4.93	4.44	4.71	5.42	6.56	7.82	9.18	8.75	9.51	9.96	9.77	8.93	7.75	6.51	5.02			
90	0.54	0.62	0.53	0.63	0.54	0.56	0.55	0.79	0.47	0.87	1.26	1.03	0.57	0.45	0.49	0.45			
95	0.84	0.96	0.87	0.97	0.85	0.88	0.75	0.77	0.67	0.56	0.64	0.56	0.67	0.59	0.73	0.71			
100	1.31	1.41	1.37	1.45	1.32	1.34	1.19	1.18	1.02	0.89	0.98	0.88	1.02	0.97	1.15	1.12			
105	1.91	2.06	1.99	2.09	1.92	1.94	1.75	1.74	1.52	1.38	1.45	1.38	1.53	1.51	1.68	1.69			
110	2.66	2.83	2.80	2.88	2.71	2.70	2.50	2.44	2.18	2.03	2.09	2.02	2.19	2.19	2.37	2.40			
115	3.56	3.74	3.72	3.79	3.60	3.59	3.35	3.29	2.98	2.82	2.86	2.81	2.97	2.99	3.20	3.28			
120	4.59	4.76	4.75	4.81	4.63	4.60	4.37	4.28	3.90	3.73	3.77	3.73	3.89	3.92	4.14	4.21			
125	5.68	5.84	5.83	5.91	5.71	5.68	5.43	5.37	4.95	4.76	4.78	4.72	4.91	4.95	5.19	5.29			
130	6.78	6.96	6.93	6.99	6.84	6.79	6.55	6.46	6.04	5.84	5.87	5.82	5.99	6.03	6.28	6.37			
135	7.87	8.03	8.02	8.09	7.94	7.90	7.65	7.56	7.11	6.93	6.94	6.86	7.06	7.10	7.35	7.44			
140	8.87	9.04	9.03	9.11	8.96	8.94	8.69	8.62	8.15	7.96	7.99	7.91	8.09	8.14	8.37	8.43			
145	9.86	9.99	10.0	10.1	9.97	9.91	9.69	9.61	9.11	8.95	8.98	8.90	9.09	9.12	9.36	9.40			
150	10.8	10.9	11.0	11.1	10.9	10.9	10.7	10.6	10.1	9.87	9.95	9.91	10.1	10.1	10.3	10.3			
155	11.7	11.9	11.9	12.0	11.9	11.9	11.6	11.6	11.1	10.9	10.9	10.9	11.1	11.1	11.3	11.3			
160	12.7	12.8	12.7	12.9	12.8	12.8	12.5	12.5	12.1	11.9	11.9	11.9	12.1	12.1	12.3	12.3			
165	13.4	13.6	13.5	13.7	13.5	13.6	13.4	13.4	13.0	12.8	12.9	12.9	13.1	13.0	13.2	13.2			
170	14.1	14.2	14.2	14.3	14.2	14.2	14.1	14.2	13.8	13.7	13.7	13.6	13.8	13.8	13.9	13.9			
175	14.5	14.6	14.6	14.6	14.6	14.7	14.6	14.6	14.3	14.2	14.3	14.2	14.3	14.3	14.5	14.4			
180	14.5	14.6	14.7	14.6	14.6	14.7	14.7	14.7	14.6	14.5	14.7	14.6	14.6	14.7	14.8	14.6			

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