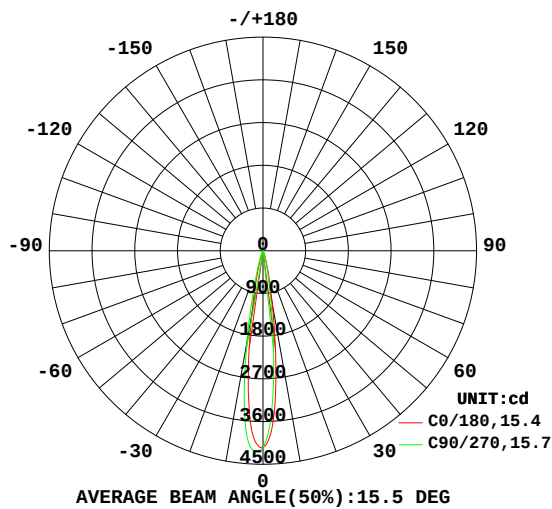


LUMINAIRE PHOTOMETRIC TEST REPORT

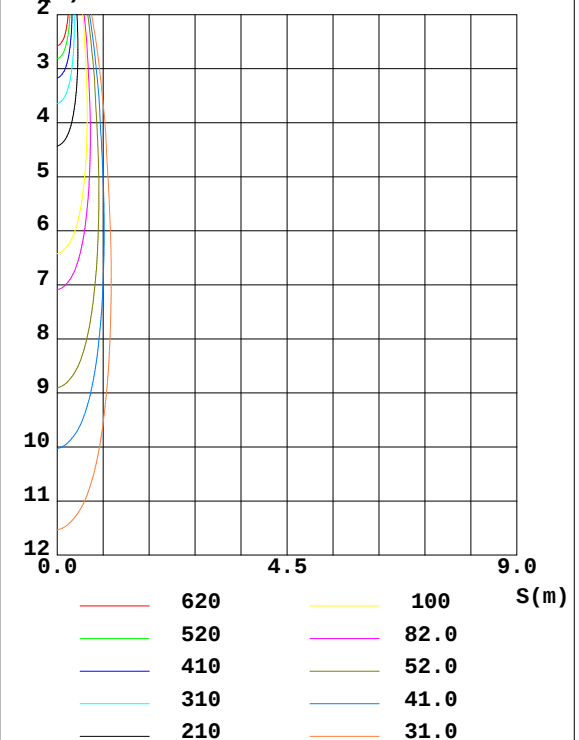
NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.48 lm/W			
MODEL	VF52RA01	Imax(cd)	4233	S/MH(C0/180)	0.27
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH(C90/270)	0.31
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	400.59	η UP, DN(C0-180)	1.3, 39.8
NOMINAL FLUX(lm)	400.588	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 57.7
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	η down(%)	97.5	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: MEDIUM
Temperature:28DEG
Operators:CJY
Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

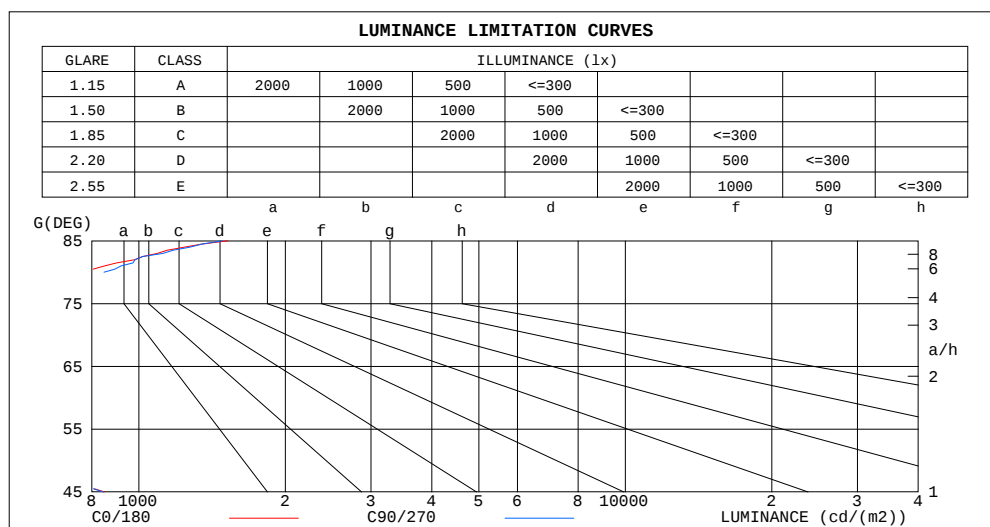
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1129	863.7	834.1	1024	1392	1833	1958	1601	0- 10	241.3	241.3	60.2, 60.2
20	105.6	89.01	88.11	104.7	137.4	170.0	178.1	149.0	10- 20	125.6	366.9	91.6, 91.6
30	4.681	3.502	3.886	6.023	10.17	14.34	13.81	8.728	20- 30	21.51	388.4	96.9, 96.9
40	0.5866	0.5562	0.6021	0.6968	0.7817	0.9054	0.8935	0.6811	30- 40	1.472	389.8	97.3, 97.3
50	0.2442	0.2370	0.2368	0.2564	0.2395	0.2586	0.2693	0.2363	40- 50	0.3207	390.2	97.4, 97.4
60	0.1220	0.1196	0.1173	0.1238	0.0999	0.1017	0.1082	0.0994	50- 60	0.1486	390.3	97.4, 97.4
70	0.0865	0.0908	0.0907	0.0972	0.0776	0.0664	0.0685	0.0662	60- 70	0.0932	390.4	97.5, 97.5
80	0.0821	0.0841	0.0906	0.0928	0.0665	0.0642	0.0707	0.0640	70- 80	0.0833	390.5	97.5, 97.5
90	0.0776	0.0752	0.0774	0.0773	0.0710	0.0687	0.0752	0.0751	80- 90	0.0790	390.6	97.5, 97.5
100	0.0776	0.0752	0.0796	0.0773	0.0932	0.0929	0.0884	0.0972	90-100	0.0851	390.6	97.5, 97.5
110	0.0776	0.0752	0.0796	0.0773	0.0909	0.0863	0.0928	0.0928	100-110	0.0913	390.7	97.5, 97.5
120	0.1129	0.1192	0.1212	0.1057	0.1110	0.1041	0.1216	0.1171	110-120	0.0923	390.8	97.6, 97.6
130	0.7014	0.7816	0.8313	0.6983	0.5672	0.4593	0.4675	0.5535	120-130	0.2473	391.1	97.6, 97.6
140	3.768	3.773	3.854	3.540	3.232	2.837	2.807	3.107	130-140	1.338	392.4	98, 98
150	6.129	6.253	6.273	6.138	6.068	5.869	5.839	5.957	140-150	3.045	395.5	98.7, 98.7
160	7.184	6.612	6.757	6.689	6.912	6.813	6.814	6.720	150-160	3.011	398.5	99.5, 99.5
170	4.555	4.003	4.349	4.584	5.287	5.397	5.525	4.813	160-170	1.757	400.2	99.9, 99.9
180	2.489	2.620	2.637	2.714	2.493	2.623	2.639	2.718	170-180	0.3609	400.6	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: CJY
 Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1524	1484
80	765	848
75	514	569
70	410	431
65	366	399
60	395	381
55	470	457
50	615	599
45	849	844

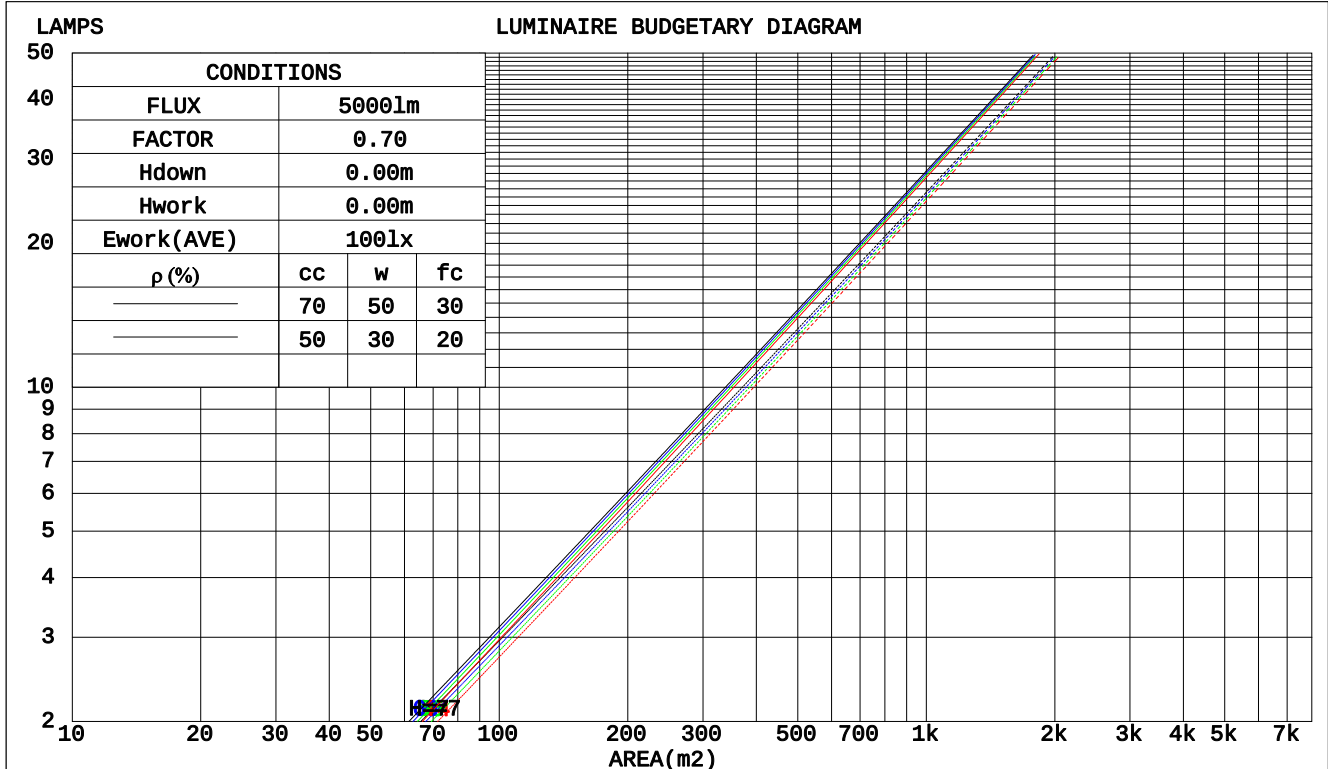
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: CJY
 Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.97
1.0	1.13	1.12	1.10	1.11	1.09	1.08	1.06	1.05	1.04	1.02	1.02	1.01	.99	.98	.98	.96
2.0	1.09	1.07	1.04	1.07	1.05	1.03	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.94
3.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.99	.97	.99	.97	.96	.96	.95	.94	.93
4.0	1.03	.99	.97	1.01	.98	.96	.99	.97	.95	.97	.95	.94	.95	.94	.92	.91
5.0	1.00	.97	.94	.99	.96	.94	.97	.95	.93	.96	.93	.92	.94	.92	.91	.90
6.0	.98	.94	.92	.97	.94	.92	.95	.93	.91	.94	.92	.90	.93	.91	.89	.89
7.0	.96	.92	.90	.95	.92	.90	.94	.91	.89	.93	.90	.89	.92	.90	.88	.87
8.0	.94	.91	.89	.93	.90	.88	.92	.90	.88	.91	.89	.87	.90	.88	.87	.86
9.0	.92	.89	.87	.92	.89	.87	.91	.88	.87	.90	.88	.86	.89	.87	.86	.85
10.0	.91	.88	.86	.90	.88	.86	.90	.87	.85	.89	.87	.85	.88	.86	.85	.84



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:CJY
Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	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	.119	.067	.021	.111	.063	.020	.098	.056	.018	.085	.049	.016	.073	.042	.014		
2.0	.107	.059	.018	.101	.056	.017	.090	.050	.016	.080	.045	.014	.070	.040	.012		
3.0	.098	.052	.016	.093	.050	.015	.084	.045	.014	.075	.041	.013	.067	.037	.011		
4.0	.091	.047	.014	.086	.045	.013	.078	.042	.012	.071	.038	.011	.064	.035	.011		
5.0	.084	.043	.012	.081	.041	.012	.074	.038	.011	.067	.036	.011	.061	.033	.010		
6.0	.079	.039	.011	.076	.038	.011	.070	.036	.010	.064	.033	.010	.059	.031	.009		
7.0	.074	.037	.010	.071	.035	.010	.066	.033	.010	.061	.031	.009	.057	.029	.009		
8.0	.070	.034	.010	.067	.033	.009	.063	.031	.009	.059	.030	.009	.055	.028	.008		
9.0	.066	.032	.009	.064	.031	.009	.060	.030	.008	.056	.028	.008	.053	.027	.008		
10.0	.063	.030	.008	.061	.029	.008	.057	.028	.008	.054	.027	.008	.051	.026	.007		

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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.186	.177	.169	.159	.152	.145	.109	.105	.100	.063	.060	.058	.020	.019	.019		
2.0	.167	.152	.140	.143	.131	.121	.098	.091	.084	.057	.053	.049	.018	.017	.016		
3.0	.151	.133	.118	.129	.114	.102	.089	.079	.072	.051	.046	.042	.016	.015	.014		
4.0	.137	.117	.101	.118	.101	.088	.081	.070	.062	.047	.041	.037	.015	.013	.012		
5.0	.126	.104	.089	.108	.090	.077	.074	.063	.054	.043	.037	.032	.014	.012	.011		
6.0	.116	.094	.078	.100	.082	.068	.069	.057	.048	.040	.034	.029	.013	.011	.009		
7.0	.108	.086	.070	.093	.074	.061	.064	.052	.043	.037	.031	.026	.012	.010	.009		
8.0	.101	.079	.063	.087	.068	.055	.060	.048	.039	.035	.028	.023	.011	.009	.008		
9.0	.095	.073	.058	.082	.063	.050	.057	.044	.036	.033	.026	.021	.011	.009	.007		
10.0	.090	.068	.053	.077	.059	.046	.054	.041	.033	.031	.024	.020	.010	.008	.007		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:CJY
Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VF52RA01					TYPE:					WEIGHT:1				
SPEC.:4000K 7W 90CRI 15D					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					-3.9	-3.4	-3.7	-3.3	-3.1	-3.9	-3.4	-3.7	-3.2	-3.1
3H					-3.5	-3.1	-3.3	-2.8	-2.6	-3.4	-3.0	-3.2	-2.8	-2.5
4H					-3.1	-2.6	-2.8	-2.4	-2.1	-2.9	-2.5	-2.6	-2.2	-2.0
6H					-2.3	-1.8	-2.0	-1.6	-1.3	-2.0	-1.6	-1.7	-1.3	-1.1
8H					-1.7	-1.3	-1.3	-1.0	-0.7	-1.4	-1.0	-1.1	-0.7	-0.4
12H					-0.9	-0.5	-0.5	-0.2	0.1	-0.7	-0.3	-0.3	0.0	0.3
4H 2H					-3.9	-3.4	-3.6	-3.2	-3.0	-3.9	-3.4	-3.6	-3.2	-2.9
3H					-3.3	-2.9	-3.0	-2.6	-2.3	-3.2	-2.8	-2.8	-2.5	-2.2
4H					-2.6	-2.3	-2.3	-1.9	-1.6	-2.5	-2.1	-2.1	-1.8	-1.5
6H					-1.5	-1.2	-1.1	-0.8	-0.4	-1.3	-1.0	-0.9	-0.6	-0.2
8H					-0.7	-0.4	-0.3	-0.0	0.4	-0.5	-0.2	-0.1	0.2	0.6
12H					0.3	0.6	0.7	1.0	1.4	0.5	0.7	0.9	1.2	1.6
8H 4H					-2.3	-2.0	-1.9	-1.6	-1.2	-2.2	-1.9	-1.8	-1.5	-1.1
6H					-0.9	-0.6	-0.4	-0.2	0.3	-0.7	-0.5	-0.3	-0.0	0.4
8H					0.1	0.3	0.6	0.8	1.3	0.3	0.5	0.7	0.9	1.4
12H					1.4	1.6	1.9	2.1	2.6	1.5	1.7	2.0	2.2	2.7
12H 4H					-2.2	-1.9	-1.8	-1.5	-1.1	-2.1	-1.8	-1.7	-1.4	-1.0
6H					-0.7	-0.4	-0.2	0.0	0.5	-0.5	-0.3	-0.0	0.2	0.7
8H					0.4	0.6	0.9	1.1	1.6	0.6	0.8	1.1	1.3	1.8
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.4					+ 0.5 / - 0.4				
1.5H					+ 1.0 / - 0.3					+ 0.9 / - 0.3				
2.0H					+ 0.4 / - 0.3					+ 0.4 / - 0.3				

CIE Pub.117, 400.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.2)

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:CJY
 Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

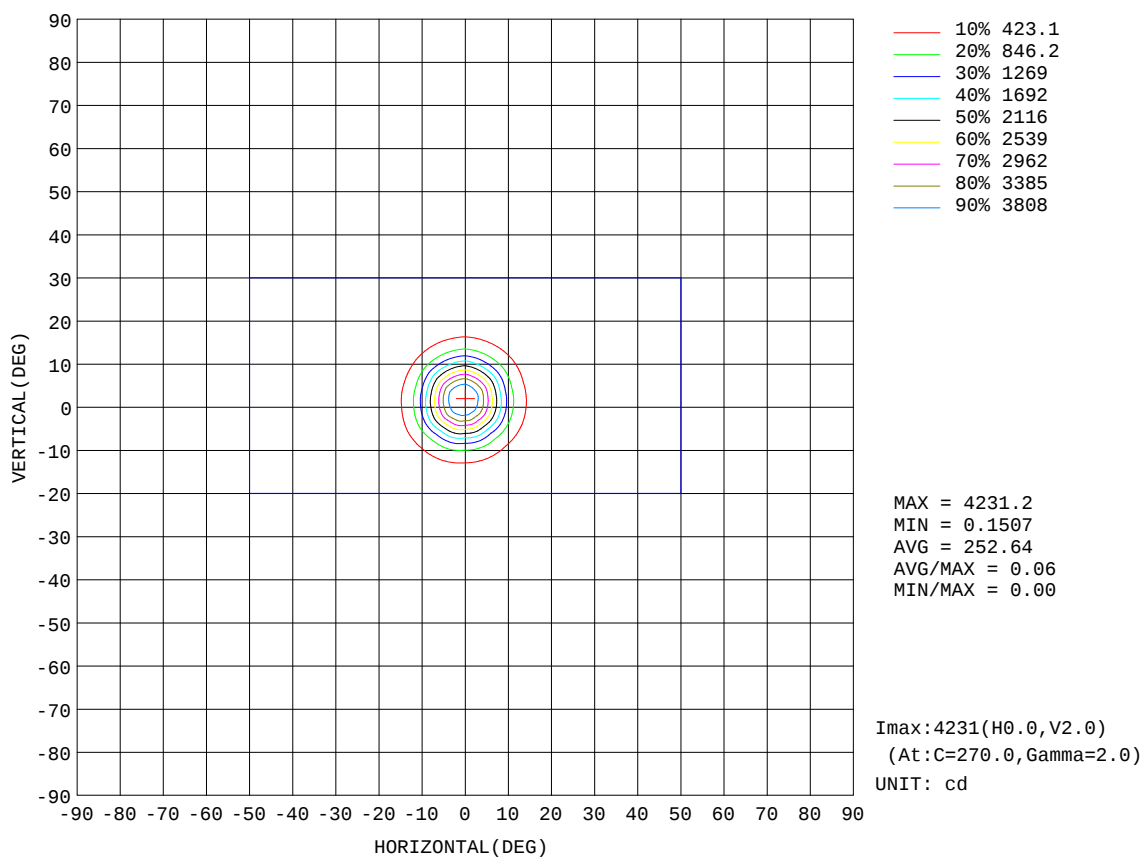
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	84	81	89	84	81	88	84	80	77
0.80	97	92	88	96	91	88	95	90	88	84
1.00	101	96	92	100	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	95	91
1.50	107	102	99	105	101	99	103	100	97	93
2.00	109	105	102	107	104	101	104	102	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	108	107	106	104	97
5.00	115	113	111	113	111	109	108	107	106	98
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: MEDIUM
 Temperature:28DEG
 Operators:CJY
 Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

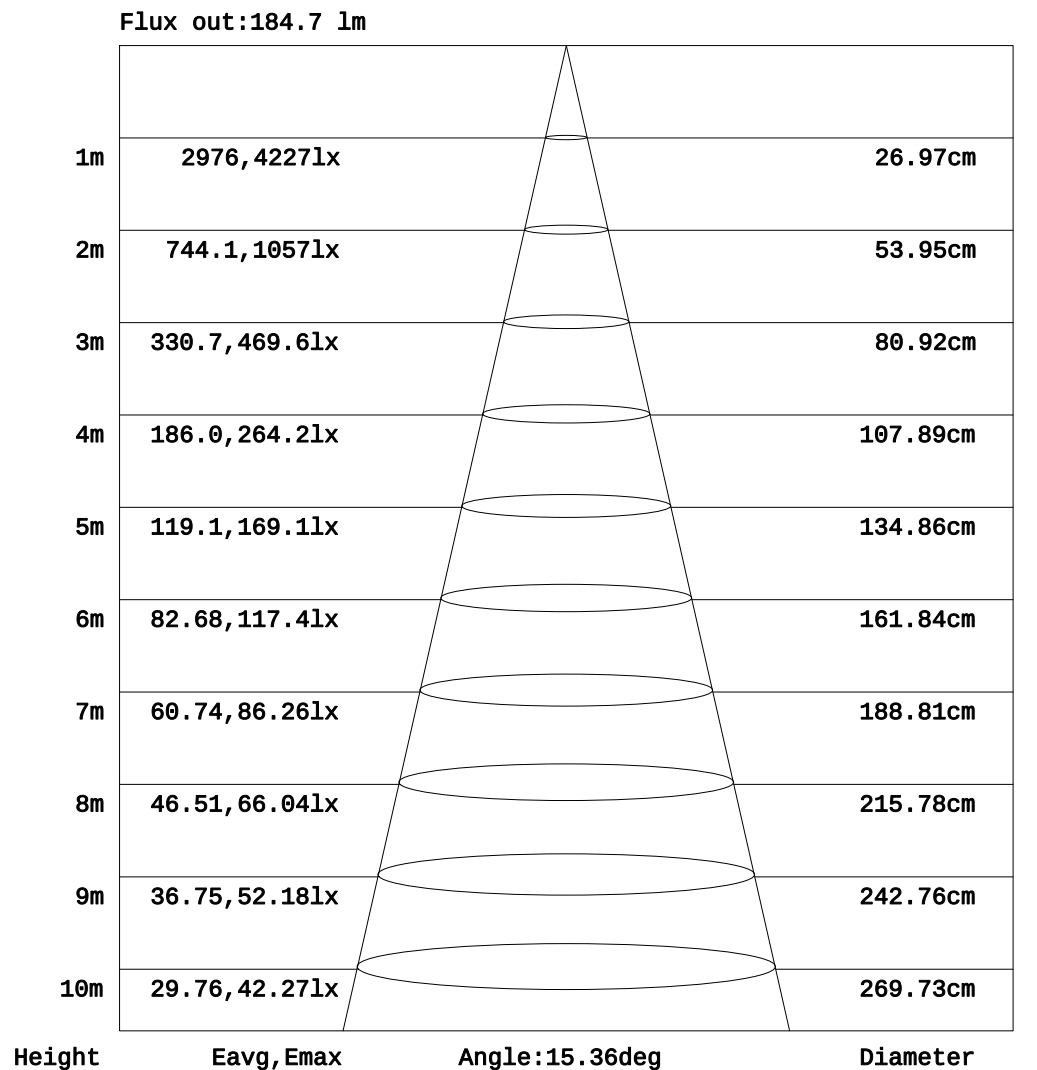


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: CJY
 Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

AAI Figure

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



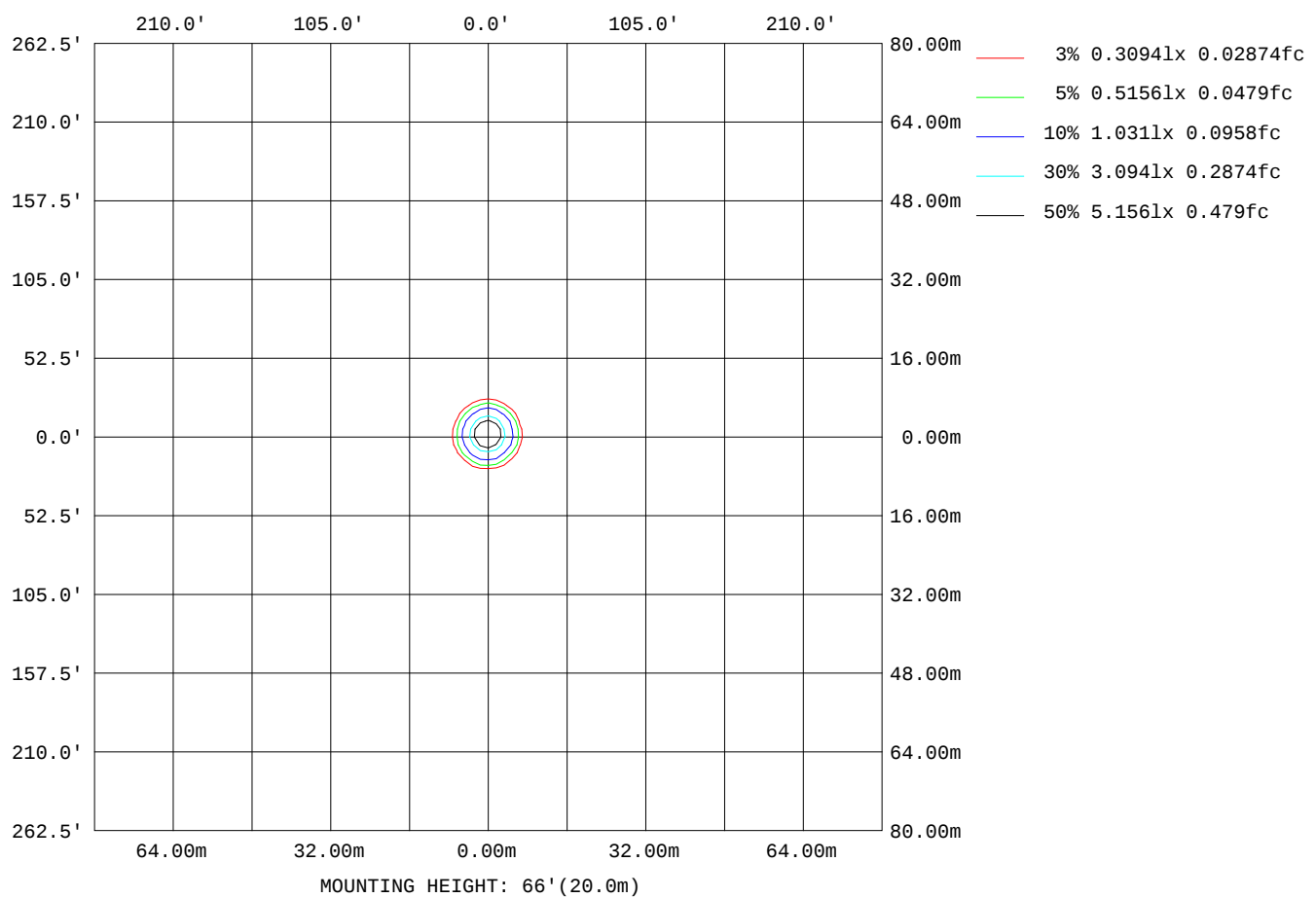
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: CJY
 Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: CJY
Test Date: 2020-08-26

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

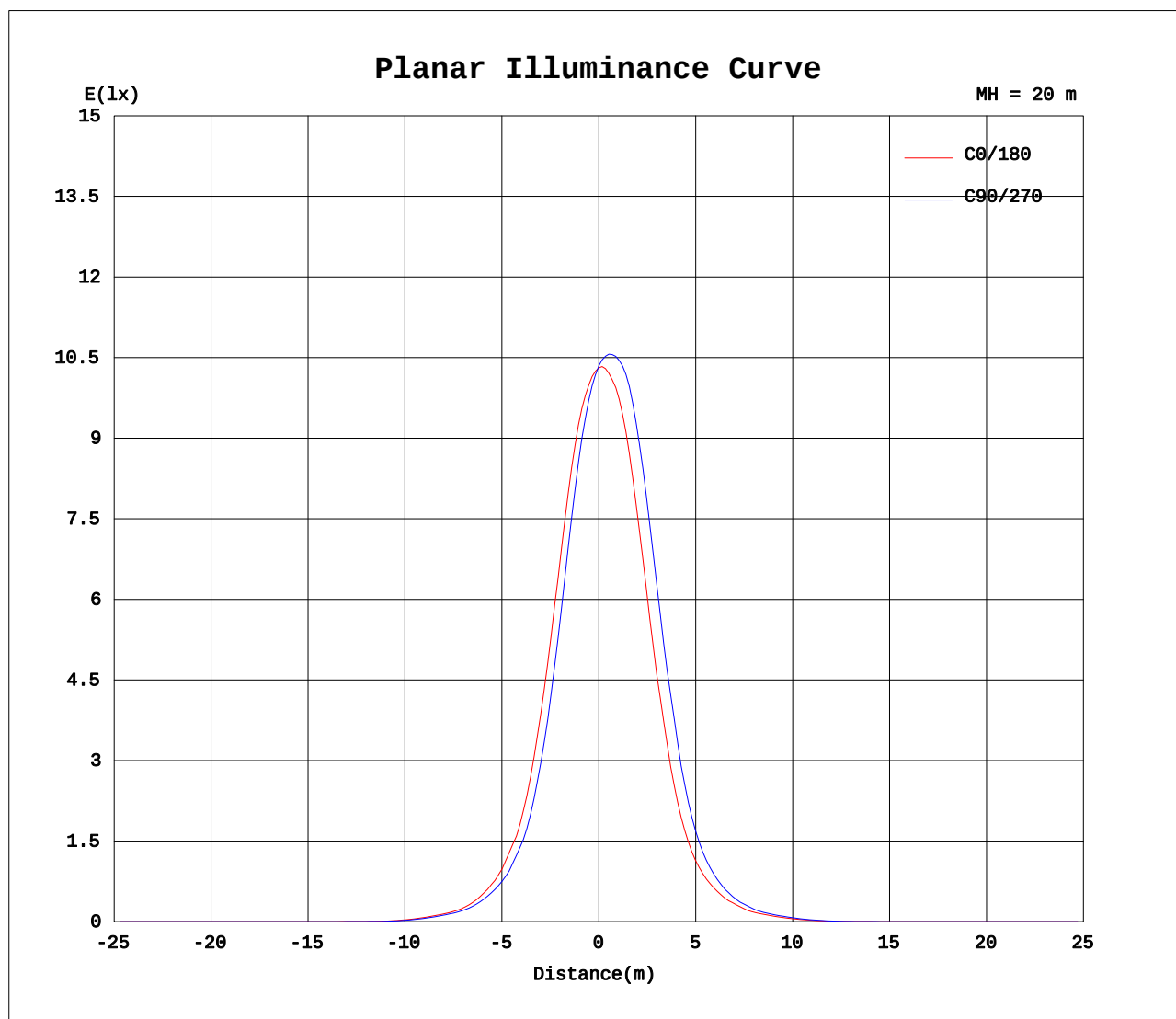
AvgL	cd/m2
L_0~180(65)av	346
L_0~180(75)av	502
L_0~180(85)av	1406
L_90~270(65)av	353
L_90~270(75)av	500
L_90~270(85)av	1361
L_45(65)av	338
L_45(75)av	493
L_45(85)av	1331

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:CJY
 Test Date:2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: CJY
Test Date: 2020-08-26

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VF52RA01	TYPE:	WEIGHT:1
SPEC.:4000K 7W 90CRI 15D	DIM.:	SERIAL No.:
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	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142	4142			
5	3040	2873	2649	2635	2594	2766	2884	3199	3356	3575	3826	3867	3908	3725	3568	3230			
10	1129	1002	864	853	834	941	1024	1237	1392	1548	1833	1888	1958	1751	1601	1283			
15	344	306	271	269	268	297	321	375	402	453	517	556	579	537	475	386			
20	106	97.7	89.0	88.7	88.1	97.3	105	125	137	144	170	170	178	160	149	116			
25	34.3	30.4	25.8	26.6	26.8	31.9	35.7	43.7	48.3	53.7	60.1	60.8	61.6	55.9	50.3	39.4			
30	4.68	3.83	3.50	3.80	3.89	4.82	6.02	8.34	10.2	11.8	14.3	13.9	13.8	10.8	8.73	5.61			
35	1.30	1.17	1.11	1.11	1.26	1.47	1.70	2.02	2.23	2.31	2.57	2.56	2.45	2.09	1.98	1.50			
40	0.59	0.55	0.56	0.56	0.60	0.64	0.70	0.75	0.78	0.82	0.91	0.91	0.89	0.76	0.68	0.61			
45	0.37	0.34	0.35	0.34	0.37	0.37	0.40	0.39	0.40	0.43	0.45	0.46	0.45	0.43	0.38	0.38			
50	0.24	0.22	0.24	0.22	0.24	0.23	0.26	0.24	0.24	0.27	0.26	0.28	0.27	0.28	0.24	0.24			
55	0.17	0.14	0.16	0.14	0.16	0.14	0.17	0.15	0.15	0.17	0.16	0.19	0.16	0.18	0.15	0.16			
60	0.12	0.10	0.12	0.10	0.12	0.10	0.12	0.11	0.10	0.12	0.10	0.13	0.11	0.13	0.10	0.12			
65	0.10	0.08	0.10	0.08	0.10	0.09	0.10	0.10	0.08	0.11	0.08	0.10	0.08	0.10	0.07	0.09			
70	0.09	0.08	0.09	0.08	0.09	0.07	0.10	0.10	0.08	0.10	0.07	0.08	0.07	0.08	0.07	0.08			
75	0.08	0.08	0.09	0.07	0.09	0.07	0.09	0.10	0.08	0.10	0.07	0.08	0.07	0.07	0.07	0.07			
80	0.08	0.08	0.08	0.07	0.09	0.07	0.09	0.08	0.07	0.08	0.06	0.07	0.07	0.07	0.06	0.06			
85	0.08	0.08	0.08	0.07	0.08	0.07	0.08	0.08	0.07	0.07	0.06	0.07	0.07	0.06	0.07	0.06			
90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.06	0.08	0.06	0.08	0.07			
95	0.08	0.09	0.08	0.08	0.08	0.09	0.08	0.08	0.09	0.07	0.08	0.06	0.09	0.07	0.09	0.07			
100	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.07	0.08	0.06	0.09	0.08	0.10	0.09			
105	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.09			
110	0.08	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.10			
115	0.08	0.09	0.08	0.11	0.08	0.09	0.07	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09			
120	0.11	0.13	0.12	0.16	0.12	0.14	0.11	0.11	0.11	0.09	0.10	0.10	0.12	0.11	0.12	0.10			
125	0.25	0.27	0.28	0.30	0.30	0.31	0.25	0.23	0.22	0.18	0.19	0.18	0.20	0.19	0.22	0.24			
130	0.70	0.69	0.78	0.80	0.83	0.78	0.70	0.59	0.57	0.50	0.46	0.46	0.47	0.50	0.55	0.65			
135	1.88	1.82	2.00	2.04	2.08	1.93	1.81	1.57	1.55	1.42	1.26	1.27	1.26	1.38	1.48	1.74			
140	3.77	3.59	3.77	3.80	3.85	3.67	3.54	3.24	3.23	3.04	2.84	2.81	2.81	2.97	3.11	3.43			
145	5.75	5.20	5.36	5.36	5.39	5.26	5.16	4.94	4.95	4.78	4.62	4.58	4.58	4.70	4.84	5.07			
150	6.13	6.18	6.25	6.23	6.27	6.18	6.14	6.03	6.07	5.96	5.87	5.82	5.84	5.88	5.96	6.08			
155	6.64	6.64	6.66	6.64	6.69	6.63	6.60	6.57	6.62	6.57	6.51	6.47	6.50	6.49	6.50	6.57			
160	7.18	6.68	6.61	6.66	6.76	6.71	6.69	6.75	6.91	6.85	6.81	6.79	6.81	6.76	6.72	6.66			
165	6.29	5.89	5.69	5.82	6.00	6.02	6.10	6.33	6.62	6.57	6.59	6.65	6.72	6.50	6.22	6.00			
170	4.55	4.29	4.00	4.16	4.35	4.46	4.58	4.99	5.29	5.37	5.40	5.42	5.53	5.20	4.81	4.58			
175	2.94	2.78	2.70	2.66	2.73	2.89	3.17	3.44	3.50	3.62	3.79	3.73	3.75	3.61	3.43	3.15			
180	2.49	2.45	2.62	2.54	2.64	2.63	2.71	2.65	2.49	2.45	2.62	2.55	2.64	2.63	2.72	2.65			

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