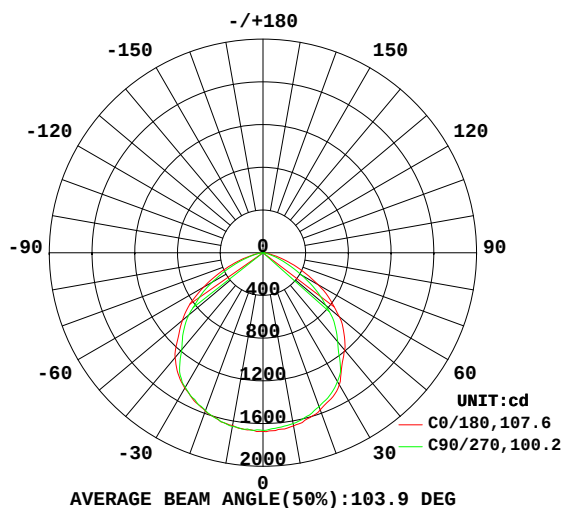


LUMINAIRE PHOTOMETRIC TEST REPORT

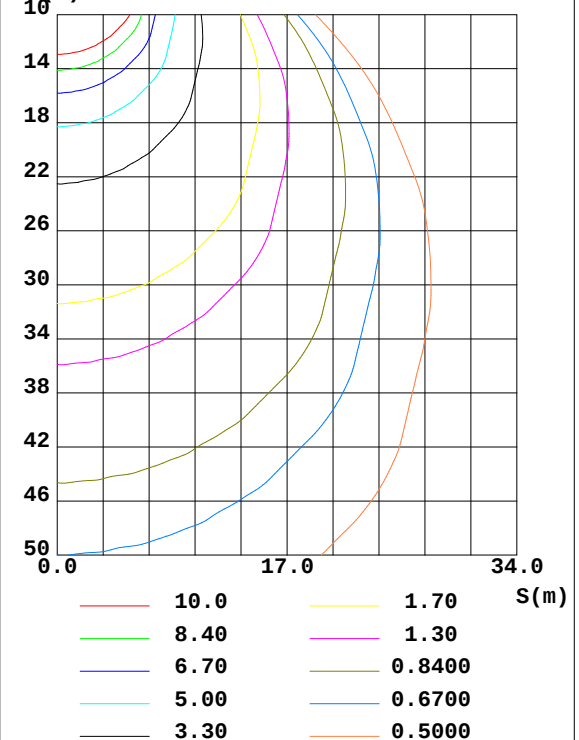
Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.90 lm/W			
MODEL	2835 168 5700K	I _{max} (cd)	1676	S/MH(C0/180)	1.30
NOMINAL POWER(W)	38	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	4178.9	η UP, DN(C0-180)	0.8, 47.3
NOMINAL FLUX(lm)	4178.89	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 51.1
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	98.4	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

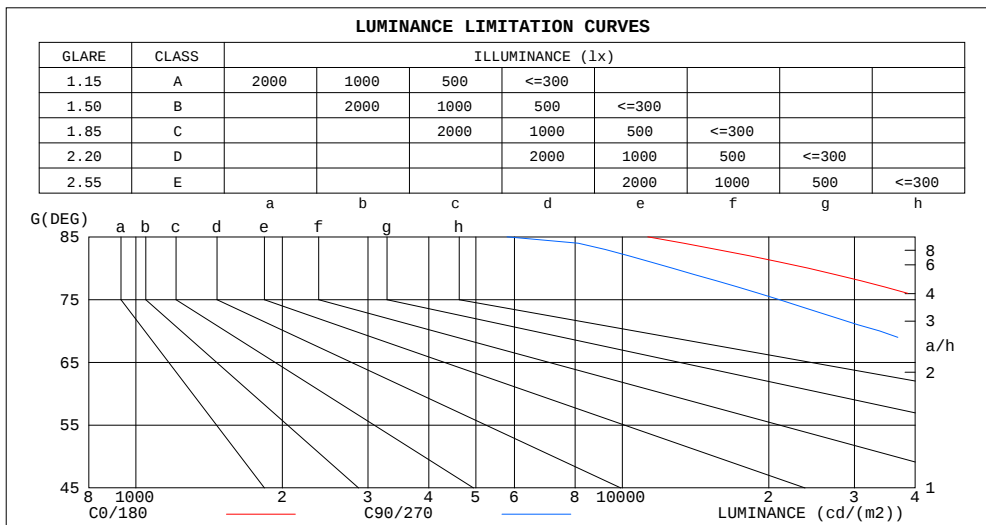
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1646	1634	1623	1627	1642	1651	1651	1652	0- 10	157.7	157.7	3.77,3.77
20	1566	1540	1535	1543	1577	1588	1573	1573	10- 20	453.9	611.6	14.6,14.6
30	1429	1410	1393	1420	1464	1461	1455	1448	20- 30	693.9	1306	31.2,31.2
40	1189	1189	1089	1221	1280	1289	1183	1247	30- 40	832.5	2138	51.2,51.2
50	934.4	826.5	768.2	876.3	984.8	972.4	909.1	918.4	40- 50	816.6	2955	70.7,70.7
60	592.7	474.1	415.2	498.7	641.7	596.4	545.2	575.2	50- 60	650.7	3605	86.3,86.3
70	255.6	177.9	138.7	186.4	282.4	245.6	217.6	238.9	60- 70	366.3	3972	95,95
80	50.26	35.68	26.42	37.00	56.09	57.07	44.88	57.86	70- 80	125.2	4097	98,98
90	1.337	1.296	1.139	1.231	1.421	1.145	1.025	1.255	80- 90	17.15	4114	98.4,98.4
100	3.382	3.258	2.919	3.103	3.416	2.731	2.409	2.920	90-100	2.181	4116	98.5,98.5
110	6.780	6.491	6.027	6.230	6.706	5.608	5.107	5.939	100-110	4.714	4121	98.6,98.6
120	10.56	10.29	9.784	9.964	10.59	9.233	8.700	9.733	110-120	7.873	4129	98.8,98.8
130	13.94	13.70	13.42	13.45	14.02	12.83	12.45	13.34	120-130	10.41	4139	99.1,99.1
140	16.48	16.54	16.69	16.40	16.73	15.89	15.79	16.25	130-140	11.50	4151	99.3,99.3
150	18.40	18.73	19.13	18.72	18.91	18.52	18.38	18.81	140-150	10.98	4162	99.6,99.6
160	20.19	20.33	20.89	20.43	20.62	20.30	20.55	20.34	150-160	9.039	4171	99.8,99.8
170	21.69	22.16	22.35	22.28	22.24	22.13	21.90	21.83	160-170	6.005	4177	99.9,99.9
180	23.28	23.86	23.23	23.60	23.33	23.87	23.28	23.58	170-180	2.159	4179	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	11280	5798
80	24120	12679
75	42686	20998
70	62278	33803
65	81406	51123
60	98782	69192
55	111615	87669
50	121143	99594
45	126525	111892

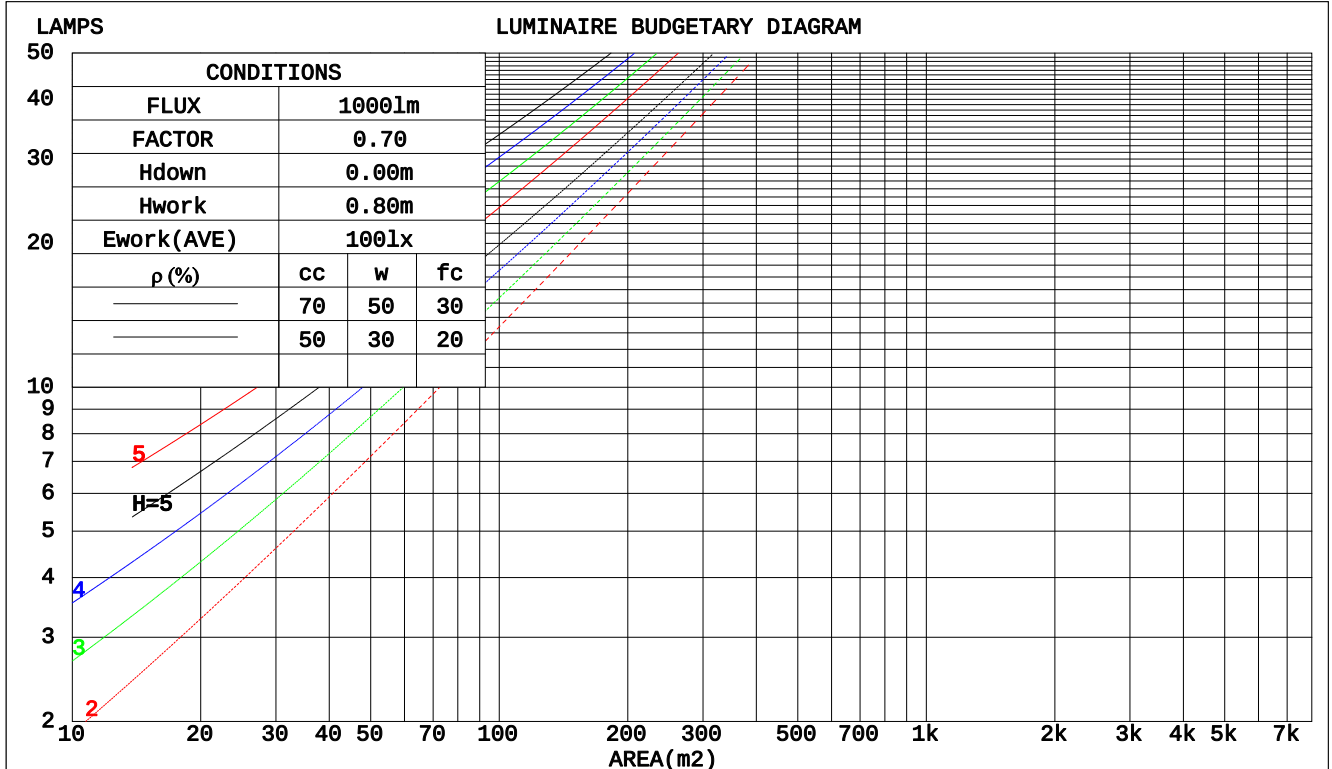
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	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	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	1.01	1.01	1.01	.98
1.0	1.06	1.02	.99	1.03	1.00	.97	.99	.96	.94	.95	.93	.91	.91	.89	.88	.86
2.0	.94	.88	.83	.92	.86	.81	.88	.83	.79	.85	.81	.77	.81	.78	.75	.73
3.0	.83	.76	.70	.82	.75	.69	.78	.73	.68	.75	.71	.66	.73	.69	.65	.63
4.0	.74	.66	.60	.73	.65	.59	.70	.64	.58	.68	.62	.58	.65	.61	.57	.55
5.0	.67	.58	.52	.65	.58	.52	.63	.56	.51	.61	.55	.50	.59	.54	.50	.48
6.0	.60	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.54	.48	.44	.42
7.0	.55	.46	.41	.54	.46	.40	.52	.45	.40	.51	.44	.40	.49	.44	.39	.37
8.0	.50	.42	.36	.49	.42	.36	.48	.41	.36	.47	.40	.36	.45	.40	.35	.33
9.0	.46	.38	.33	.45	.38	.33	.44	.37	.32	.43	.37	.32	.42	.36	.32	.30
10.0	.42	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity: 65.0%
Test Distance: 7.880m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm					
NAME: SFS009-WHTC3832S01			TYPE:		WEIGHT:
SPEC.: white RA80 3000K+5700K			DIM.:		SERIAL No.:
MFR.:			SUR.: 150*80mm		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	.264	.150	.048	.257	.147	.047	.243	.139	.045	.230	.133	.043	.218	.127	.041	
2.0	.257	.141	.043	.250	.138	.043	.238	.133	.041	.227	.127	.040	.217	.123	.039	
3.0	.243	.129	.039	.238	.127	.038	.227	.123	.037	.217	.119	.036	.207	.115	.036	
4.0	.228	.119	.035	.223	.117	.035	.214	.113	.034	.205	.110	.033	.196	.107	.033	
5.0	.214	.109	.032	.209	.107	.031	.201	.105	.031	.193	.102	.030	.185	.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	.177	.086	.024	.173	.085	.024	.167	.084	.024	.161	.082	.024	.156	.080	.023	
9.0	.167	.081	.022	.164	.080	.022	.158	.078	.022	.153	.077	.022	.148	.075	.022	
10.0	.157	.075	.021	.155	.075	.021	.150	.073	.021	.145	.072	.020	.140	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.189	.168	.150	.162	.145	.129	.111	.099	.089	.064	.058	.052	.020	.019	.017	
2.0	.180	.144	.114	.154	.124	.099	.105	.086	.069	.061	.050	.040	.020	.016	.013	
3.0	.171	.126	.090	.147	.109	.078	.101	.076	.055	.058	.044	.032	.019	.014	.011	
4.0	.164	.113	.074	.141	.097	.064	.097	.068	.045	.056	.040	.027	.018	.013	.009	
5.0	.157	.102	.062	.135	.088	.054	.093	.062	.038	.054	.036	.023	.017	.012	.007	
6.0	.150	.094	.053	.129	.081	.046	.089	.057	.033	.052	.033	.020	.017	.011	.006	
7.0	.144	.087	.047	.123	.075	.041	.085	.053	.029	.050	.031	.017	.016	.010	.006	
8.0	.138	.081	.042	.118	.070	.037	.082	.049	.026	.048	.029	.016	.015	.010	.005	
9.0	.132	.076	.038	.114	.066	.033	.079	.046	.024	.046	.027	.014	.015	.009	.005	
10.0	.126	.072	.035	.109	.062	.031	.076	.044	.022	.044	.026	.013	.014	.009	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm											
NAME: SFS009-WHTC3832S01					TYPE:			WEIGHT:			
SPEC.: white RA80 3000K+5700K					DIM.:			SERIAL No.:			
MFR.:					SUR.: 150*80mm			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	2H	23.9	25.3	24.1	25.5	25.7	22.7	24.1	23.0	24.3	24.6
	3H	24.6	25.9	24.9	26.1	26.4	23.1	24.3	23.4	24.6	24.9
	4H	24.7	25.9	25.1	26.2	26.5	23.1	24.3	23.4	24.5	24.8
	6H	24.7	25.9	25.1	26.2	26.5	23.0	24.1	23.4	24.4	24.7
	8H	24.7	25.8	25.1	26.1	26.4	23.0	24.1	23.3	24.4	24.7
	12H	24.7	25.7	25.0	26.0	26.4	22.9	24.0	23.3	24.3	24.6
4H	2H	24.0	25.2	24.4	25.5	25.8	23.0	24.3	23.4	24.5	24.8
	3H	24.9	25.9	25.2	26.2	26.6	23.5	24.5	23.9	24.9	25.2
	4H	25.1	26.0	25.4	26.3	26.7	23.5	24.5	23.9	24.8	25.2
	6H	25.1	25.9	25.5	26.3	26.7	23.5	24.3	23.9	24.7	25.1
	8H	25.1	25.9	25.5	26.3	26.7	23.5	24.3	23.9	24.6	25.1
	12H	25.1	25.8	25.5	26.2	26.6	23.4	24.1	23.9	24.6	25.0
8H	4H	25.0	25.8	25.4	26.2	26.6	23.5	24.3	24.0	24.7	25.1
	6H	25.1	25.7	25.6	26.2	26.6	23.5	24.2	24.0	24.6	25.1
	8H	25.1	25.6	25.6	26.1	26.6	23.5	24.1	24.0	24.5	25.0
	12H	25.1	25.5	25.6	26.0	26.5	23.5	24.0	24.0	24.5	25.0
12H	4H	25.0	25.7	25.4	26.1	26.5	23.5	24.2	24.0	24.6	25.1
	6H	25.1	25.6	25.5	26.1	26.5	23.5	24.1	24.0	24.5	25.0
	8H	25.1	25.5	25.6	26.0	26.5	23.5	24.0	24.0	24.5	25.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.4 / - 0.4					+ 0.6 / - 0.7					
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.5					
2.0H	+ 0.9 / - 1.2					+ 1.0 / - 1.4					

CIE Pub.117, 4179 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.0)
Area: 0.012 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

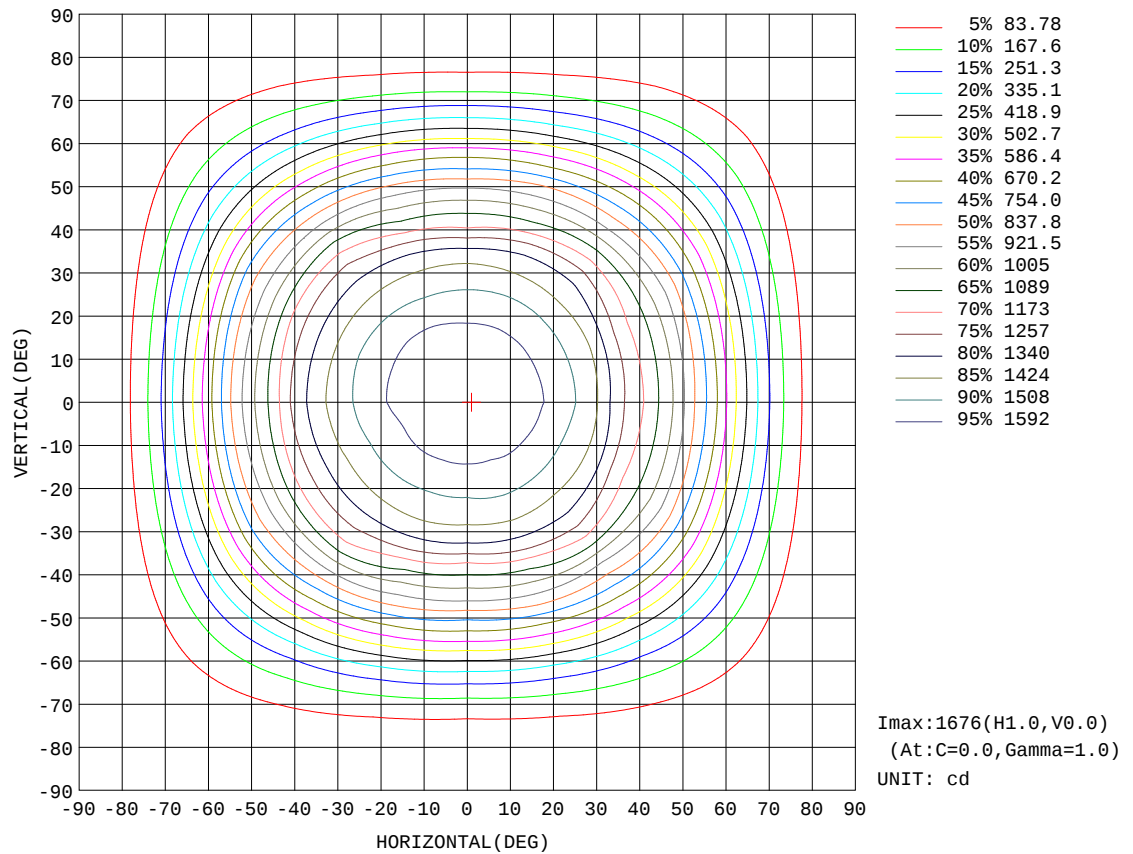
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	43	60	50	43	59	49	43	37
0.80	71	60	54	70	60	53	68	59	53	46
1.00	80	70	63	79	69	63	76	70	62	56
1.25	87	77	71	85	77	71	83	75	70	63
1.50	92	83	77	90	82	76	87	80	75	68
2.00	98	91	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	95	90	86	78
3.00	104	99	94	102	97	93	98	94	90	82
4.00	108	103	99	105	101	97	101	98	95	86
5.00	110	106	102	107	104	101	103	100	97	88
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:25DEG
Operators:
Test Date:2025-06-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

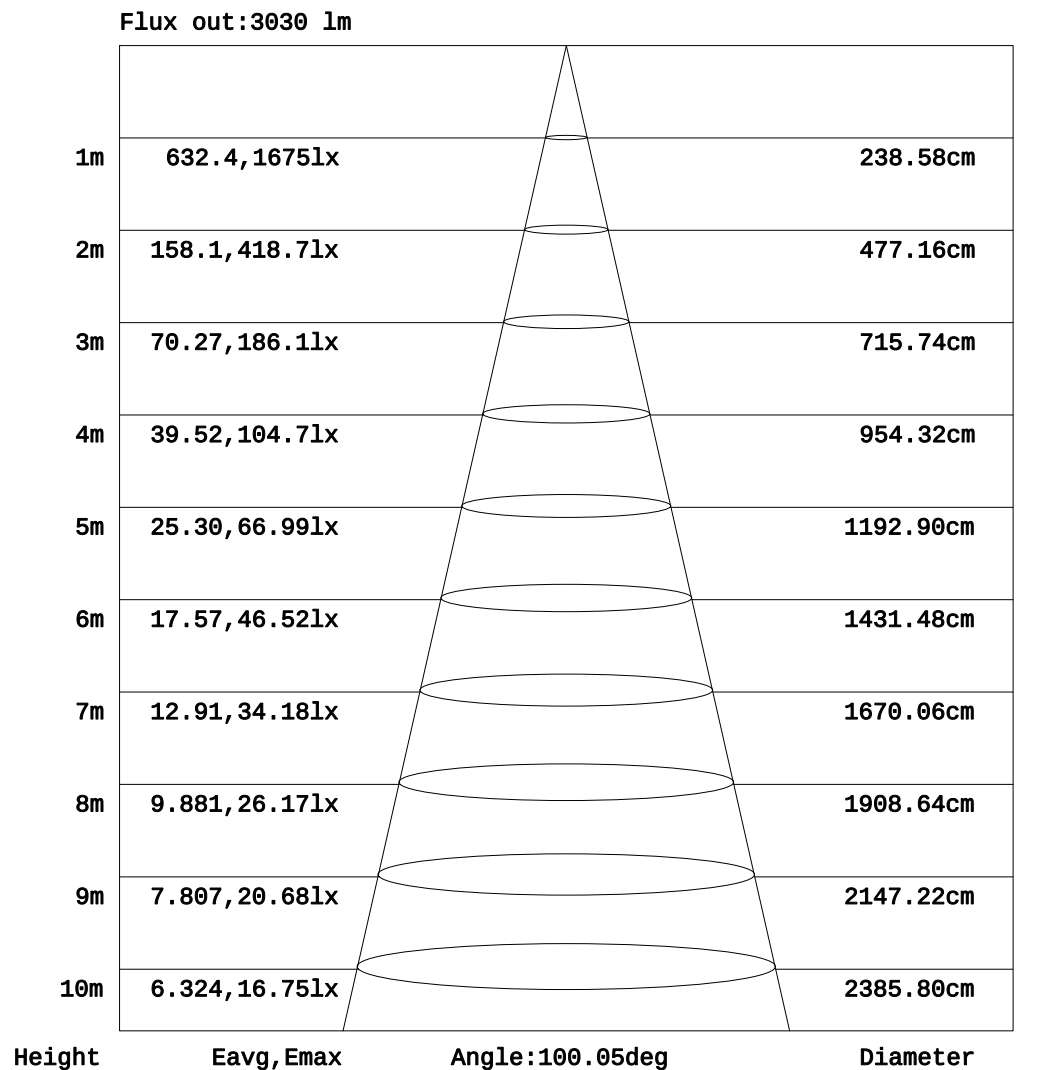


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

AAI Figure

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:



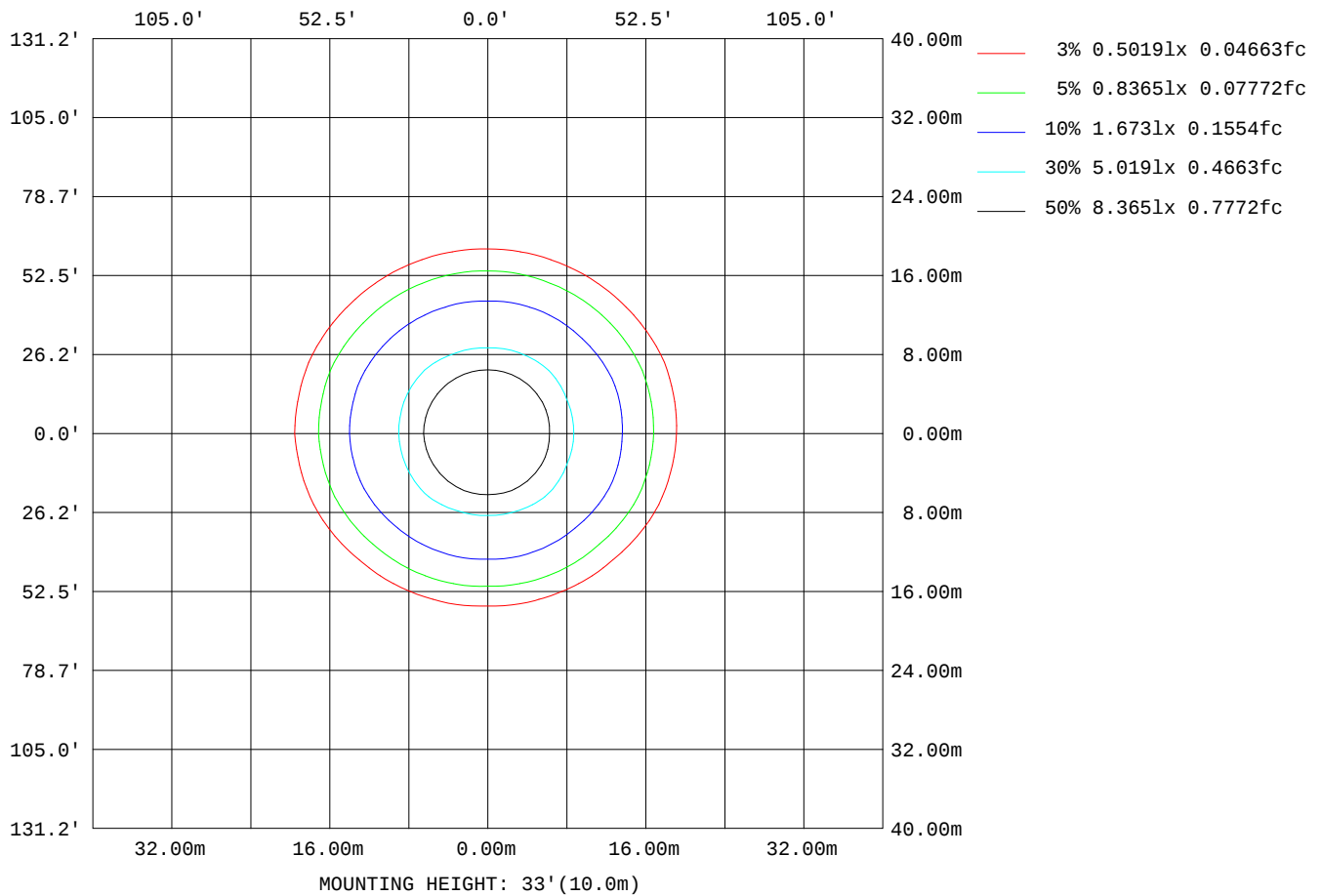
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
Humidity:65.0%
Test Distance:7.880m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-06-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.880m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

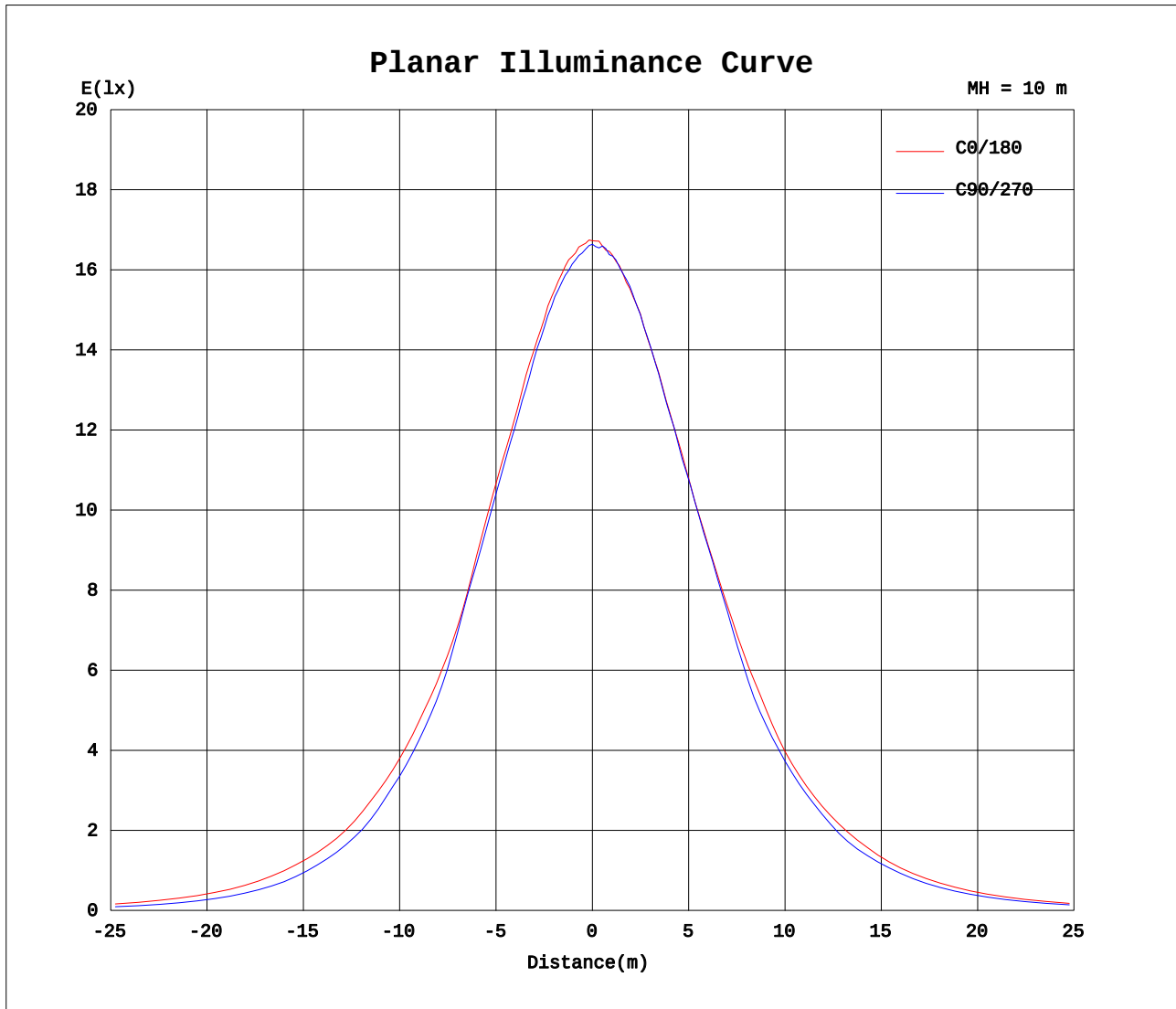
AvgL	cd/m2
L_0~180(65)av	85206
L_0~180(75)av	44781
L_0~180(85)av	12038
L_90~270(65)av	61815
L_90~270(75)av	27607
L_90~270(85)av	9649
L_45(65)av	70226
L_45(75)av	36304
L_45(85)av	11386

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-06-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity:65.0%
 Test Distance:7.880m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators:
 Test Date: 2025-06-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.00.428
 Humidity: 65.0%
 Test Distance: 7.880m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.79V I:0.1705A P:38.374W PF:0.9708 Freq:49.99Hz Lamp Flux:4178.89x1 lm		
NAME: SFS009-WHTC3832S01	TYPE:	WEIGHT:
SPEC.: white RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	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	1673	1670	1669	1667	1664	1663	1663	1663	1673	1670	1669	1667	1664	1663	1663	1663			
5	1661	1663	1654	1652	1643	1657	1649	1653	1665	1670	1663	1664	1657	1661	1662	1665			
10	1646	1635	1634	1635	1623	1622	1627	1625	1642	1647	1651	1648	1651	1652	1652	1644			
15	1610	1602	1599	1587	1586	1586	1597	1605	1618	1626	1625	1618	1618	1615	1616	1609			
20	1566	1555	1540	1541	1535	1540	1543	1553	1577	1583	1588	1586	1573	1577	1573	1572			
25	1509	1492	1483	1485	1476	1486	1488	1498	1529	1529	1523	1519	1515	1526	1513	1510			
30	1429	1420	1410	1412	1393	1411	1420	1431	1464	1464	1461	1455	1455	1452	1448	1442			
35	1289	1294	1323	1299	1260	1297	1329	1351	1386	1385	1382	1375	1362	1366	1364	1316			
40	1189	1164	1189	1114	1089	1120	1221	1243	1280	1287	1289	1224	1183	1226	1247	1191			
45	1074	1057	997	968	949	974	1065	1101	1123	1157	1152	1067	1056	1060	1089	1085			
50	934	919	827	807	768	814	876	947	985	991	972	926	909	914	918	954			
55	768	739	660	620	603	632	689	789	833	837	786	744	728	732	752	787			
60	593	557	474	433	415	446	499	589	642	646	596	568	545	553	575	610			
65	413	369	304	272	259	282	321	397	451	443	407	380	368	367	393	423			
70	256	222	178	151	139	156	186	237	282	273	246	227	218	221	239	261			
75	133	115	90.8	71.9	65.2	73.9	94.6	122	146	145	134	114	106	114	132	140			
80	50.3	47.7	35.7	29.1	26.4	29.4	37.0	50.5	56.1	64.1	57.1	47.1	44.9	47.7	57.9	61.2			
85	11.8	11.5	8.28	7.38	6.06	7.02	8.10	11.9	13.4	17.3	15.3	14.0	14.1	14.5	15.9	16.8			
90	1.34	1.39	1.30	1.23	1.14	1.19	1.23	1.32	1.42	1.28	1.14	1.05	1.02	1.12	1.25	1.41			
95	2.16	2.22	2.09	1.95	1.85	1.90	2.00	2.10	2.24	2.02	1.77	1.55	1.54	1.62	1.89	2.17			
100	3.38	3.42	3.26	3.05	2.92	2.96	3.10	3.25	3.42	3.08	2.73	2.45	2.41	2.55	2.92	3.33			
105	4.96	4.97	4.74	4.47	4.32	4.35	4.53	4.72	4.92	4.53	4.01	3.67	3.61	3.82	4.27	4.83			
110	6.78	6.76	6.49	6.19	6.03	6.02	6.23	6.46	6.71	6.18	5.61	5.18	5.11	5.38	5.94	6.61			
115	8.71	8.66	8.39	8.02	7.87	7.83	8.09	8.33	8.64	8.04	7.38	6.92	6.85	7.14	7.80	8.56			
120	10.6	10.5	10.3	9.91	9.78	9.74	9.96	10.2	10.6	9.94	9.23	8.77	8.70	9.05	9.73	10.5			
125	12.4	12.3	12.1	11.7	11.6	11.6	11.8	12.0	12.4	11.7	11.1	10.7	10.7	11.0	11.6	12.3			
130	13.9	13.8	13.7	13.4	13.4	13.3	13.5	13.5	14.0	13.4	12.8	12.4	12.5	12.7	13.3	13.9			
135	15.3	15.2	15.2	15.0	15.1	14.9	15.1	15.0	15.5	14.9	14.5	14.1	14.1	14.4	14.9	15.4			
140	16.5	16.5	16.5	16.5	16.7	16.5	16.4	16.4	16.7	16.3	15.9	15.7	15.8	16.0	16.2	16.6			
145	17.5	17.5	17.7	17.8	18.2	17.8	17.6	17.5	17.9	17.5	17.3	17.1	17.3	17.2	17.6	17.7			
150	18.4	18.4	18.7	18.9	19.1	18.8	18.7	18.6	18.9	18.5	18.5	18.2	18.4	18.3	18.8	18.6			
155	19.3	19.4	19.5	19.9	20.0	19.8	19.6	19.7	19.9	19.4	19.5	19.5	19.6	19.5	19.7	19.5			
160	20.2	20.2	20.3	20.8	20.9	20.7	20.4	20.6	20.6	20.3	20.3	20.4	20.6	20.4	20.3	20.2			
165	21.0	21.0	21.2	21.6	21.6	21.5	21.4	21.5	21.5	21.3	21.2	21.2	21.3	21.2	21.0	21.1			
170	21.7	21.8	22.2	22.6	22.4	22.2	22.3	22.5	22.2	22.4	22.1	21.9	21.9	21.9	21.8	21.9			
175	22.5	22.7	23.2	23.2	22.8	22.8	23.1	23.2	22.8	23.2	23.2	22.8	22.5	22.7	22.8	22.7			
180	23.3	23.4	23.9	23.5	23.2	23.2	23.6	23.4	23.3	23.5	23.9	23.4	23.3	23.2	23.6	23.4			

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