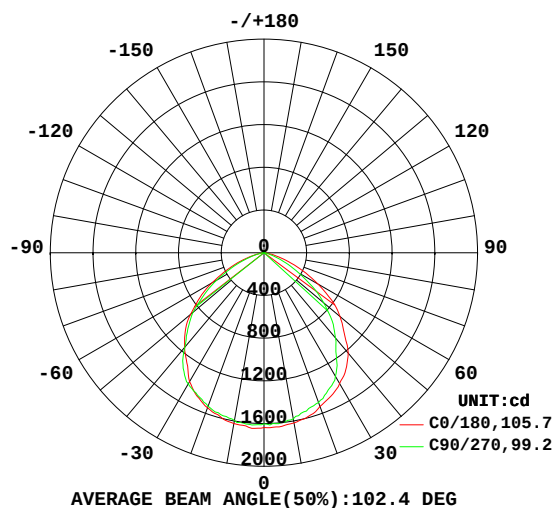


LUMINAIRE PHOTOMETRIC TEST REPORT

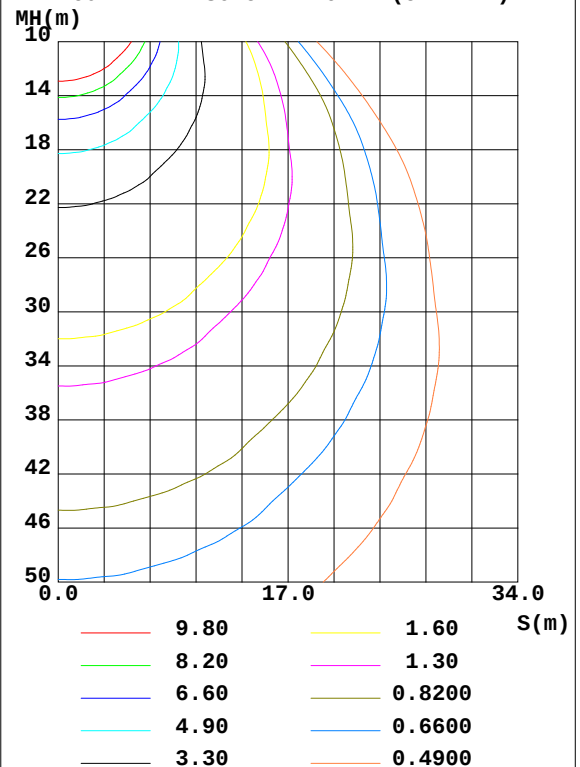
Test:U:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.45 lm/W			
MODEL	2835 168 3000K	I _{max} (cd)	1649	S/MH(C0/180)	1.25
NOMINAL POWER(W)	38	LOR(%)	100.0	S/MH(C90/270)	1.31
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	3956.8	η UP, DN(C0-180)	0.8, 47.3
NOMINAL FLUX(lm)	3956.83	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 51.1
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	η down(%)	98.5	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:2025-06-26

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:

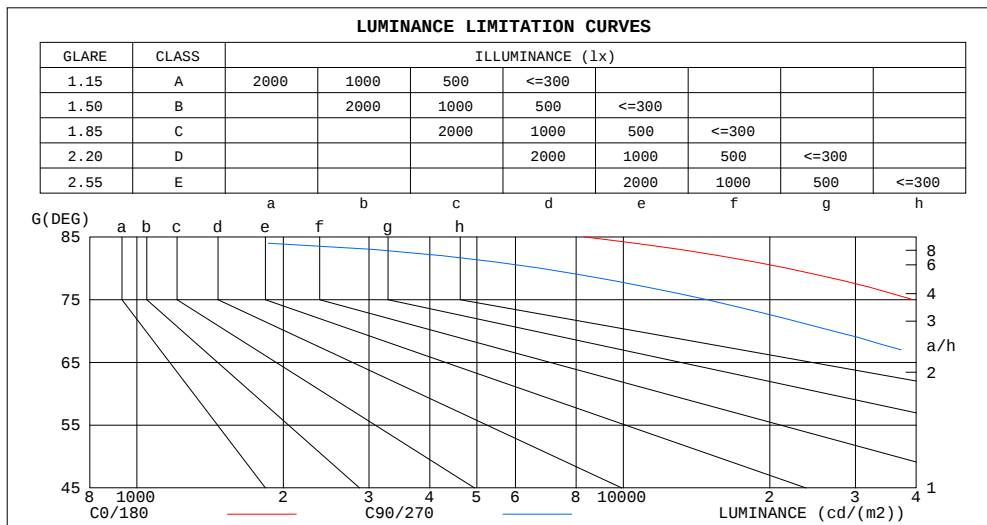
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1618	1599	1579	1576	1624	1609	1595	1579	0- 10	153.2	153.2	3.87, 3.87
20	1532	1505	1492	1479	1546	1542	1529	1514	10- 20	439.9	593.1	15, 15
30	1416	1366	1338	1344	1394	1412	1418	1384	20- 30	669.9	1263	31.9, 31.9
40	1228	1167	1044	1116	1157	1223	1153	1230	30- 40	799.2	2062	52.1, 52.1
50	929.3	830.6	729.6	774.0	896.2	874.0	869.7	927.3	40- 50	777.9	2840	71.8, 71.8
60	581.4	446.0	375.1	426.2	562.0	529.7	505.9	553.9	50- 60	608.3	3449	87.2, 87.2
70	245.6	156.6	110.6	151.8	237.9	211.7	194.0	221.4	60- 70	329.8	3778	95.5, 95.5
80	45.21	23.53	14.06	23.74	43.82	45.00	34.22	47.54	70- 80	105.5	3884	98.2, 98.2
90	1.120	1.097	1.009	1.111	1.347	0.9796	0.8049	0.9842	80- 90	11.72	3896	98.5, 98.5
100	2.905	2.836	2.630	2.891	3.301	2.501	2.088	2.465	90-100	1.928	3897	98.5, 98.5
110	5.972	5.798	5.573	5.977	6.601	5.296	4.606	5.167	100-110	4.280	3902	98.6, 98.6
120	9.500	9.353	9.224	9.670	10.54	8.934	8.080	8.654	110-120	7.309	3909	98.8, 98.8
130	12.75	12.71	12.81	13.11	14.06	12.51	11.71	12.12	120-130	9.809	3919	99, 99
140	15.40	15.57	16.01	15.90	16.74	15.51	14.95	14.97	130-140	10.93	3930	99.3, 99.3
150	17.50	17.74	18.38	18.09	18.78	18.07	17.55	17.50	140-150	10.50	3940	99.6, 99.6
160	19.32	19.45	20.11	19.75	20.47	19.82	19.73	19.15	150-160	8.675	3949	99.8, 99.8
170	21.02	21.31	21.47	21.38	21.93	21.56	21.04	20.75	160-170	5.784	3955	99.9, 99.9
180	22.72	23.08	22.32	22.56	22.89	23.22	22.42	22.57	170-180	2.082	3957	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	8306	673
80	21698	6747
75	39320	14825
70	59846	26946
65	79409	44376
60	96895	62522
55	112156	80610
50	120483	94587
45	125323	106510

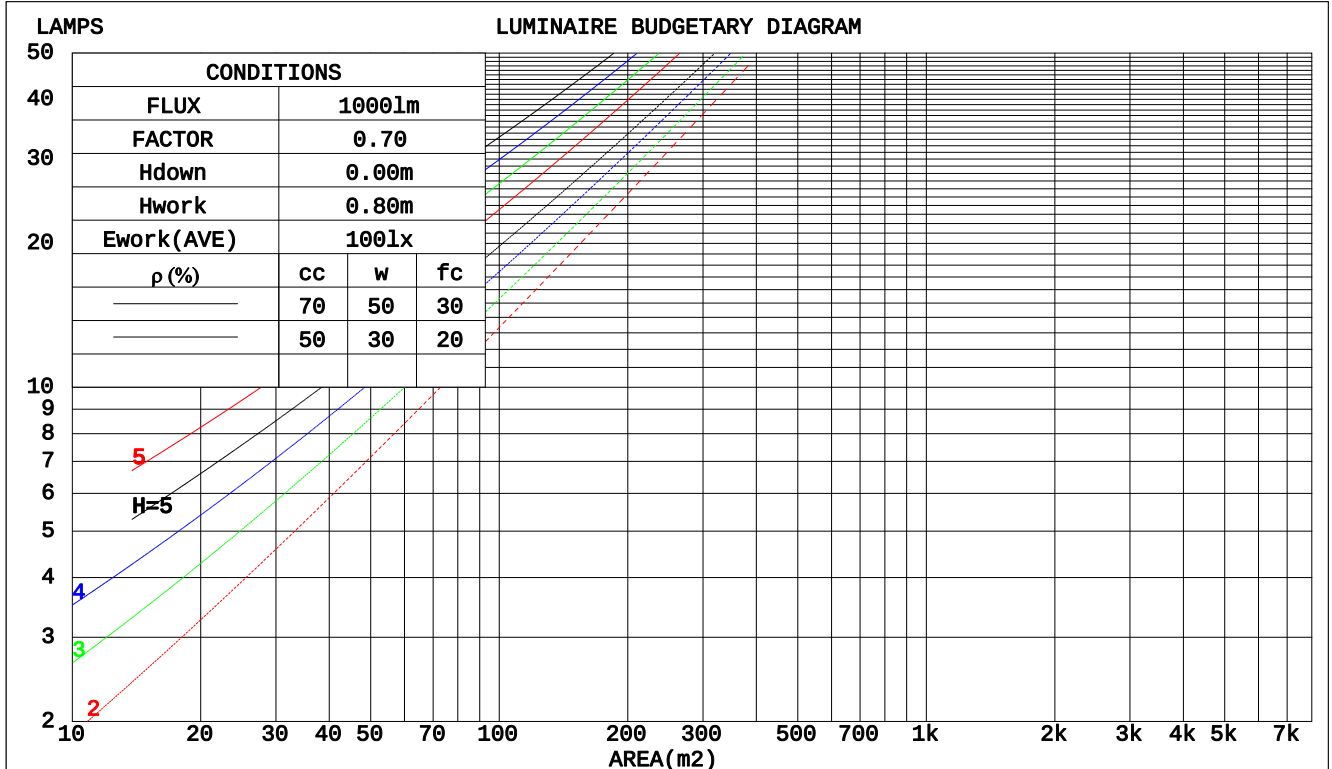
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black 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)															
RCR:Room Cavity Ratio																
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	1.04	1.00	.97	.99	.97	.94	.95	.93	.91	.91	.90	.88	.86
2.0	.94	.88	.83	.92	.87	.82	.88	.84	.80	.85	.81	.78	.82	.79	.76	.74
3.0	.84	.76	.70	.82	.75	.70	.79	.73	.68	.76	.71	.67	.73	.69	.66	.64
4.0	.75	.67	.61	.73	.66	.60	.71	.64	.59	.68	.63	.58	.66	.61	.57	.55
5.0	.67	.59	.53	.66	.58	.52	.64	.57	.52	.62	.56	.51	.60	.54	.50	.48
6.0	.61	.52	.46	.60	.52	.46	.58	.51	.46	.56	.50	.45	.54	.49	.45	.43
7.0	.55	.47	.41	.54	.47	.41	.53	.46	.41	.51	.45	.40	.50	.44	.40	.38
8.0	.50	.42	.37	.50	.42	.37	.48	.41	.36	.47	.41	.36	.46	.40	.36	.34
9.0	.46	.39	.33	.46	.38	.33	.45	.38	.33	.43	.37	.33	.42	.37	.32	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.39	.34	.30	.28



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-06-26

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:

WEC AND CCEC

Test:U:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm					
NAME: SFS009-BKTC3832S01			TYPE:		WEIGHT:
SPEC.: black 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	.260	.148	.047	.252	.144	.046	.239	.137	.044	.226	.130	.042	.214	.124	.040		
2.0	.253	.139	.043	.247	.136	.042	.235	.131	.041	.224	.125	.039	.213	.121	.038		
3.0	.240	.128	.038	.235	.126	.038	.224	.121	.037	.214	.117	.036	.205	.113	.035		
4.0	.226	.117	.035	.221	.116	.034	.211	.112	.033	.202	.109	.033	.194	.106	.032		
5.0	.212	.108	.031	.207	.106	.031	.199	.104	.030	.191	.101	.030	.184	.098	.029		
6.0	.199	.100	.029	.195	.098	.028	.187	.096	.028	.180	.094	.027	.173	.091	.027		
7.0	.187	.092	.026	.183	.091	.026	.176	.089	.026	.170	.087	.025	.164	.085	.025		
8.0	.176	.086	.024	.172	.085	.024	.166	.083	.024	.160	.081	.023	.155	.080	.023		
9.0	.166	.080	.022	.163	.079	.022	.157	.078	.022	.152	.076	.022	.147	.075	.022		
10.0	.156	.075	.021	.154	.074	.021	.149	.073	.021	.144	.071	.020	.139	.070	.020		

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						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	.110	.099	.089	.064	.058	.052	.020	.019	.017	
2.0	.179	.144	.115	.153	.124	.099	.105	.086	.069	.061	.050	.041	.019	.016	.013	
3.0	.171	.126	.091	.146	.109	.078	.101	.076	.055	.058	.044	.032	.019	.014	.011	
4.0	.163	.113	.074	.140	.097	.064	.096	.068	.045	.056	.040	.027	.018	.013	.009	
5.0	.156	.102	.062	.134	.088	.054	.092	.062	.038	.054	.036	.023	.017	.012	.007	
6.0	.149	.094	.053	.128	.081	.047	.089	.057	.033	.051	.033	.020	.017	.011	.006	
7.0	.143	.087	.047	.123	.075	.041	.085	.053	.029	.049	.031	.017	.016	.010	.006	
8.0	.137	.081	.042	.118	.070	.037	.082	.049	.026	.047	.029	.016	.015	.010	.005	
9.0	.131	.076	.038	.113	.066	.034	.078	.046	.024	.046	.027	.014	.015	.009	.005	
10.0	.126	.072	.035	.109	.062	.031	.075	.044	.022	.044	.026	.013	.014	.009	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm											
NAME: SFS009-BKTC3832S01						TYPE:			WEIGHT:		
SPEC.: black 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	24.1	25.5	24.4	25.7	26.0	22.7	24.1	23.0	24.3	24.5	
	3H	24.8	26.1	25.1	26.3	26.6	22.9	24.2	23.2	24.5	24.7
	4H	24.9	26.1	25.3	26.4	26.7	22.9	24.1	23.2	24.4	24.7
	6H	24.9	26.0	25.3	26.3	26.6	22.8	23.9	23.2	24.2	24.5
	8H	24.9	26.0	25.2	26.3	26.6	22.8	23.9	23.1	24.2	24.5
	12H	24.8	25.9	25.2	26.2	26.5	22.7	23.8	23.1	24.1	24.4
4H	2H	24.3	25.5	24.6	25.7	26.0	23.0	24.2	23.3	24.5	24.8
	3H	25.0	26.1	25.4	26.4	26.7	23.3	24.4	23.7	24.7	25.0
	4H	25.2	26.1	25.6	26.5	26.8	23.3	24.3	23.7	24.6	25.0
	6H	25.2	26.0	25.6	26.4	26.8	23.3	24.1	23.7	24.5	24.9
	8H	25.2	26.0	25.6	26.3	26.8	23.2	24.0	23.7	24.4	24.8
	12H	25.2	25.9	25.6	26.3	26.7	23.2	23.9	23.6	24.3	24.7
8H	4H	25.1	25.9	25.5	26.3	26.7	23.3	24.1	23.8	24.5	24.9
	6H	25.2	25.8	25.6	26.2	26.7	23.3	23.9	23.7	24.3	24.8
	8H	25.1	25.7	25.6	26.1	26.6	23.2	23.8	23.7	24.2	24.7
	12H	25.1	25.6	25.6	26.1	26.6	23.2	23.7	23.7	24.1	24.6
12H	4H	25.1	25.8	25.5	26.2	26.6	23.3	24.0	23.7	24.4	24.8
	6H	25.1	25.7	25.6	26.1	26.6	23.2	23.8	23.7	24.2	24.7
	8H	25.1	25.6	25.6	26.1	26.6	23.2	23.7	23.7	24.2	24.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.4 / - 0.5					+ 0.7 / - 0.9					
1.5H	+ 0.4 / - 0.5					+ 0.3 / - 0.7					
2.0H	+ 1.1 / - 1.4					+ 1.1 / - 1.6					

CIE Pub.117, 3957 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.8)
Area: 0.012 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

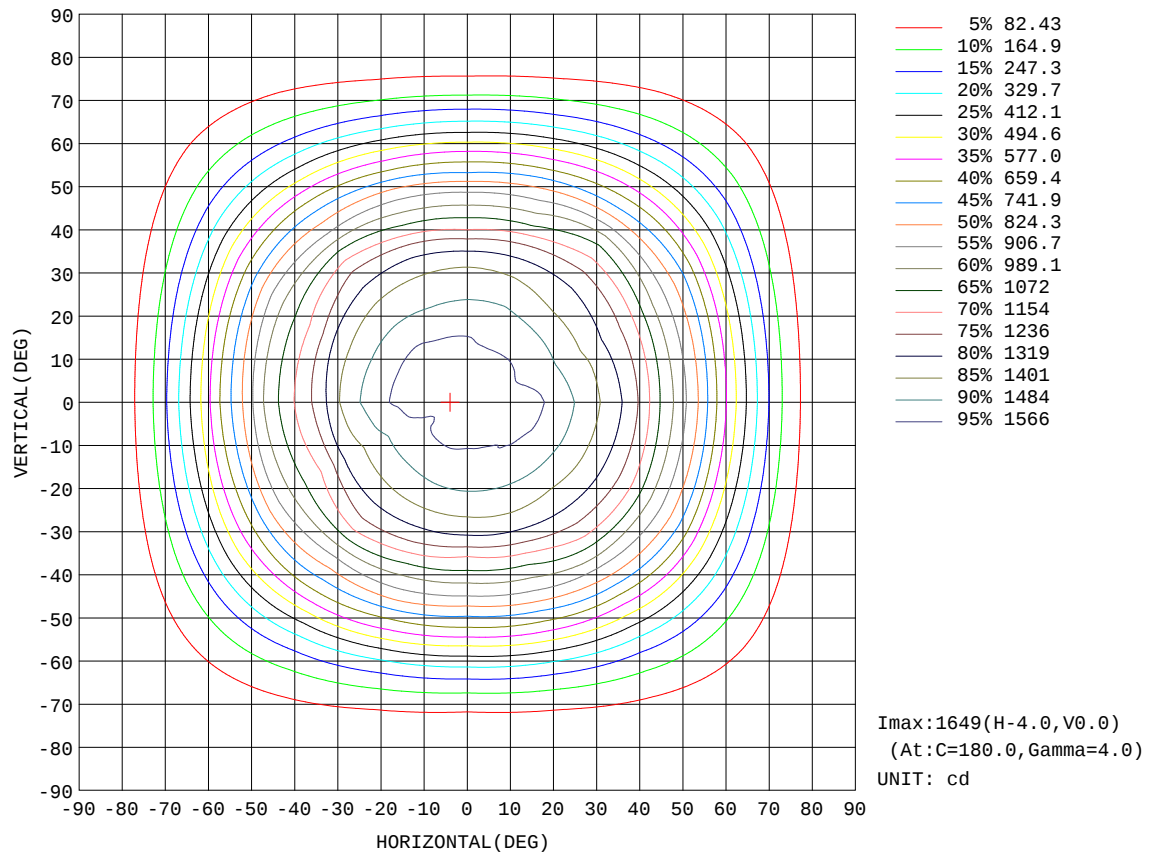
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	44	61	50	44	59	50	44	38
0.80	72	61	54	71	61	54	69	60	54	47
1.00	80	70	64	79	70	64	77	71	63	56
1.25	87	78	72	86	77	71	83	76	70	64
1.50	92	84	77	90	83	77	87	81	76	69
2.00	98	91	86	97	90	85	93	87	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	98	94	91	82
4.00	108	103	99	106	101	98	101	98	95	86
5.00	110	106	103	108	104	101	103	100	98	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:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

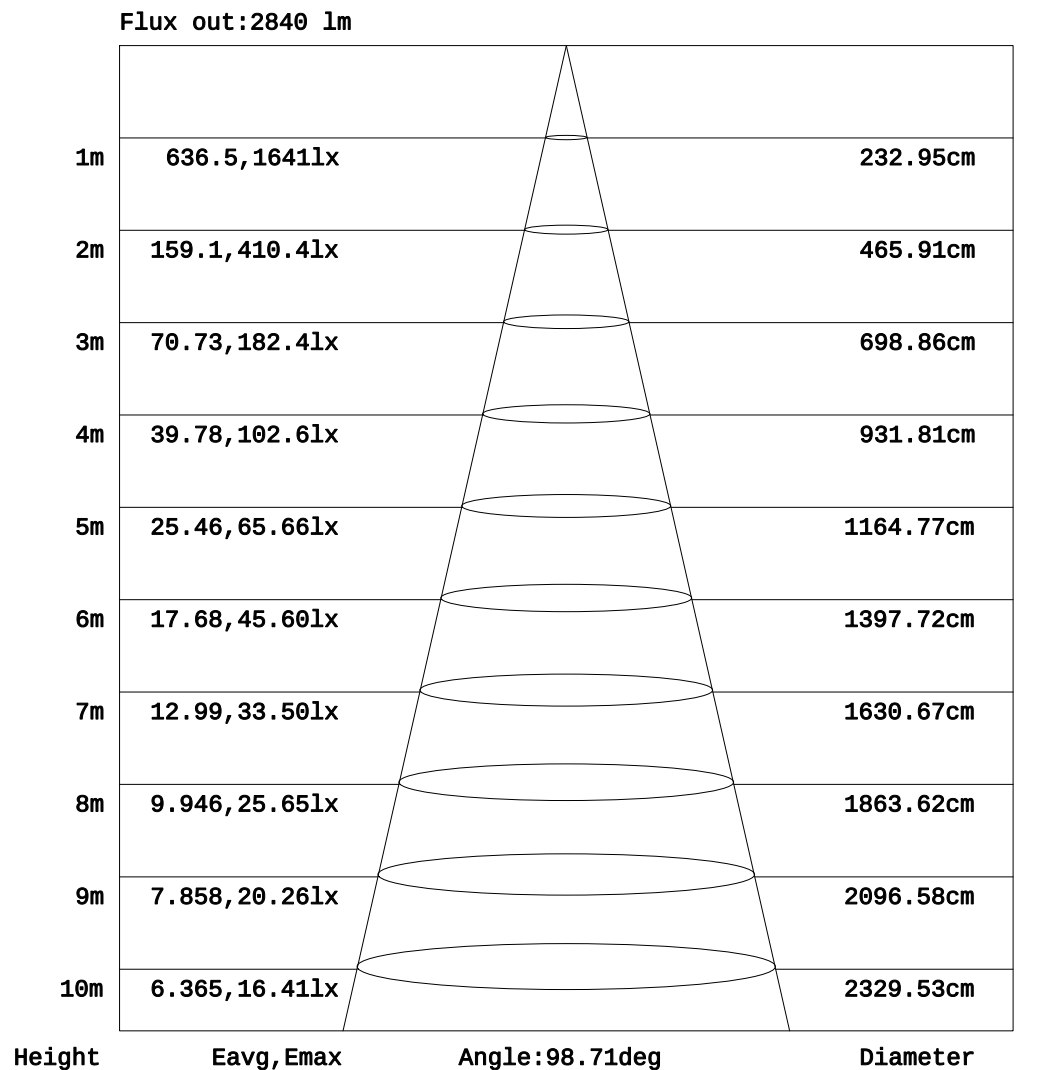


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:



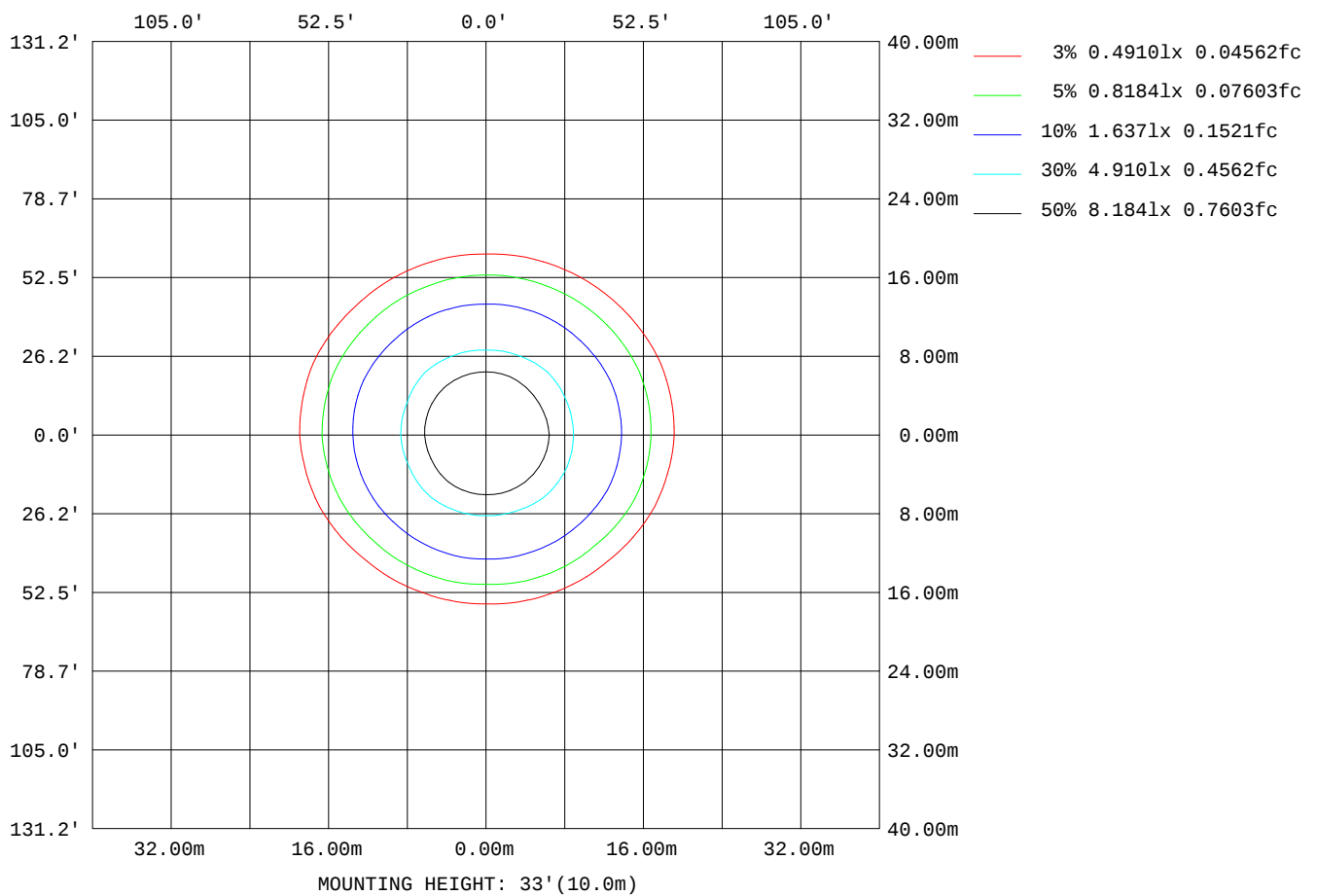
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black 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:2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

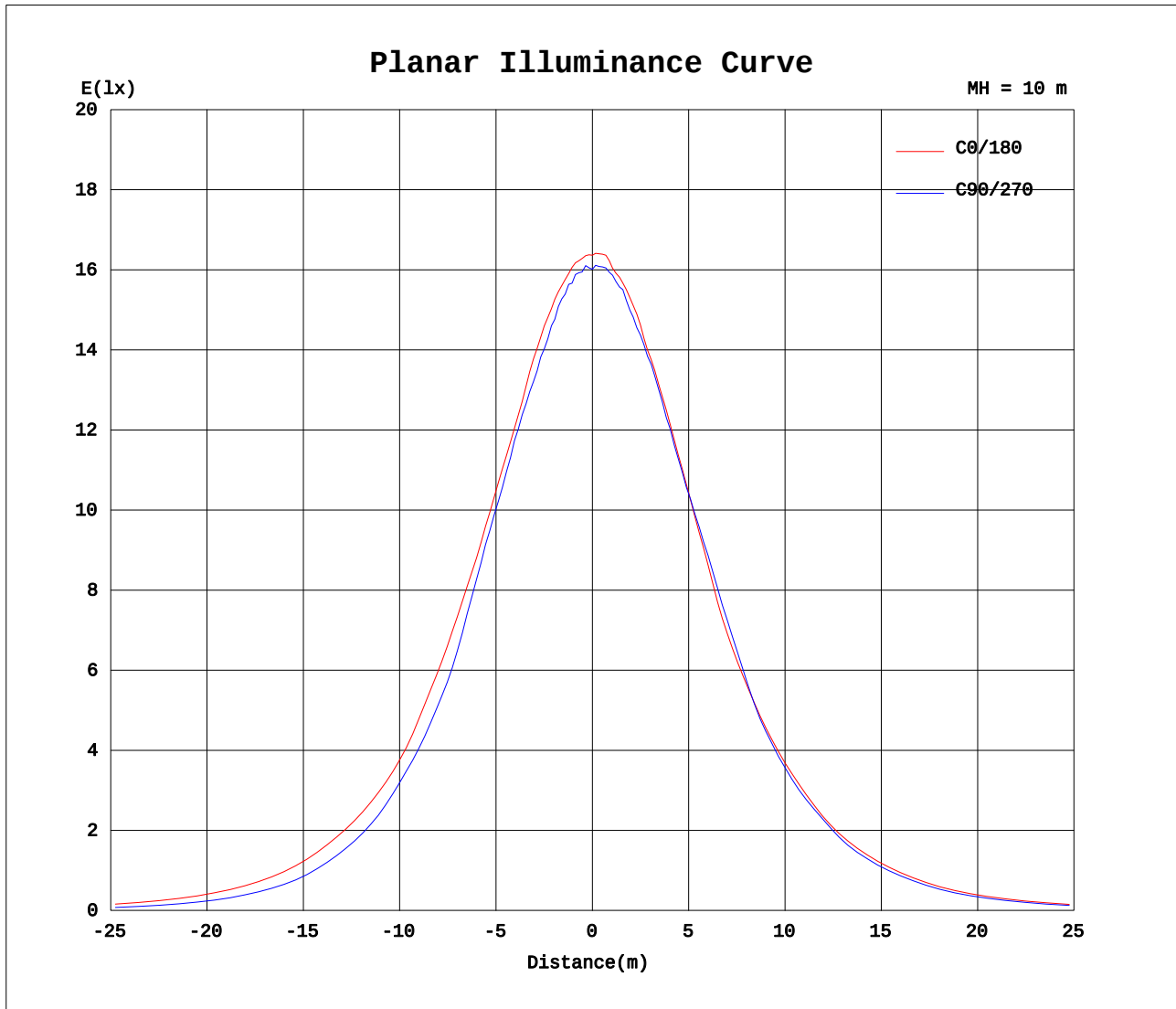
AvgL	cd/m2
L_0~180(65)av	77985
L_0~180(75)av	38760
L_0~180(85)av	8437
L_90~270(65)av	55185
L_90~270(75)av	22071
L_90~270(85)av	4121
L_45(65)av	62643
L_45(75)av	30193
L_45(85)av	6262

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:
 Test Date:2025-06-26

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: 2025-06-26

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:231.84V I:0.1702A P:38.623W PF:0.9789 Freq:49.99Hz Lamp Flux:3956.83x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black 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	1637	1627	1617	1610	1602	1596	1592	1588	1637	1627	1617	1610	1602	1596	1592	1588			
5	1636	1631	1611	1610	1607	1598	1585	1598	1642	1637	1631	1619	1613	1601	1600	1589			
10	1618	1611	1599	1578	1579	1574	1576	1558	1624	1621	1609	1610	1595	1598	1579	1581			
15	1590	1574	1555	1534	1534	1524	1534	1533	1587	1588	1576	1576	1569	1553	1550	1547			
20	1532	1519	1505	1490	1492	1486	1479	1482	1546	1541	1542	1530	1529	1520	1514	1506			
25	1482	1470	1439	1432	1420	1417	1416	1415	1482	1474	1470	1468	1471	1469	1455	1453			
30	1416	1391	1366	1358	1338	1341	1344	1337	1394	1397	1412	1417	1418	1409	1384	1391			
35	1336	1311	1288	1225	1181	1222	1252	1202	1259	1286	1325	1331	1319	1325	1323	1305			
40	1228	1207	1167	1067	1044	1058	1116	1105	1157	1155	1223	1188	1153	1186	1230	1214			
45	1063	1053	1002	931	904	920	935	991	1043	1045	1062	1019	1010	1019	1106	1066			
50	929	902	831	760	730	754	774	853	896	920	874	877	870	881	927	925			
55	772	737	638	586	555	574	618	679	735	746	713	690	684	704	729	780			
60	581	532	446	401	375	386	426	509	562	571	530	510	506	523	554	588			
65	403	351	279	243	225	236	270	333	388	386	352	334	335	345	370	405			
70	246	205	157	126	111	125	152	194	238	233	212	196	194	202	221	246			
75	122	100	72.6	53.2	46.0	53.4	72.0	95.1	119	121	113	95.8	91.1	99.5	118	126			
80	45.2	38.3	23.5	16.5	14.1	16.7	23.7	36.1	43.8	50.5	45.0	36.1	34.2	37.7	47.5	52.7			
85	8.69	6.82	2.67	1.10	0.70	1.31	2.93	6.86	8.96	12.3	9.93	8.24	7.92	8.45	10.7	13.4			
90	1.12	1.19	1.10	1.05	1.01	1.06	1.11	1.21	1.35	1.14	0.98	0.81	0.80	0.83	0.98	1.12			
95	1.83	1.90	1.80	1.72	1.64	1.72	1.83	1.96	2.14	1.85	1.58	1.36	1.32	1.37	1.59	1.79			
100	2.91	2.97	2.84	2.70	2.63	2.73	2.89	3.06	3.30	2.91	2.50	2.18	2.09	2.18	2.46	2.79			
105	4.31	4.35	4.18	4.02	3.96	4.06	4.29	4.51	4.81	4.30	3.74	3.32	3.20	3.31	3.67	4.10			
110	5.97	6.00	5.80	5.61	5.57	5.69	5.98	6.23	6.60	5.98	5.30	4.78	4.61	4.75	5.17	5.70			
115	7.74	7.75	7.56	7.37	7.35	7.46	7.80	8.07	8.56	7.82	7.07	6.47	6.28	6.41	6.88	7.45			
120	9.50	9.53	9.35	9.20	9.22	9.33	9.67	9.94	10.5	9.75	8.93	8.29	8.08	8.20	8.65	9.23			
125	11.2	11.2	11.1	10.9	11.0	11.1	11.4	11.7	12.4	11.6	10.8	10.1	9.96	10.0	10.4	10.9			
130	12.7	12.7	12.7	12.6	12.8	12.8	13.1	13.3	14.1	13.2	12.5	11.8	11.7	11.7	12.1	12.5			
135	14.2	14.1	14.2	14.2	14.4	14.4	14.6	14.7	15.5	14.8	14.1	13.5	13.3	13.3	13.6	13.9			
140	15.4	15.4	15.6	15.7	16.0	15.9	15.9	16.0	16.7	16.1	15.5	15.1	15.0	14.9	15.0	15.2			
145	16.5	16.5	16.7	17.0	17.5	17.2	17.0	17.0	17.8	17.2	16.8	16.4	16.4	16.1	16.3	16.2			
150	17.5	17.5	17.7	18.0	18.4	18.1	18.1	18.0	18.8	18.1	18.1	17.5	17.5	17.2	17.5	17.2			
155	18.4	18.5	18.6	19.1	19.2	19.1	18.9	19.0	19.7	19.1	19.1	18.8	18.8	18.4	18.4	18.1			
160	19.3	19.4	19.5	20.0	20.1	20.0	19.8	19.9	20.5	20.0	19.8	19.7	19.7	19.4	19.2	18.8			
165	20.2	20.2	20.4	20.8	20.8	20.7	20.6	20.7	21.3	20.9	20.6	20.5	20.4	20.1	19.9	19.8			
170	21.0	21.1	21.3	21.7	21.5	21.4	21.4	21.5	21.9	21.9	21.6	21.1	21.0	20.9	20.8	20.7			
175	21.9	22.0	22.4	22.3	21.9	21.9	22.2	22.1	22.5	22.6	22.6	22.0	21.7	21.7	21.8	21.6			
180	22.7	22.9	23.1	22.7	22.3	22.3	22.6	22.3	22.9	22.8	23.2	22.6	22.4	22.3	22.6	22.3			

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