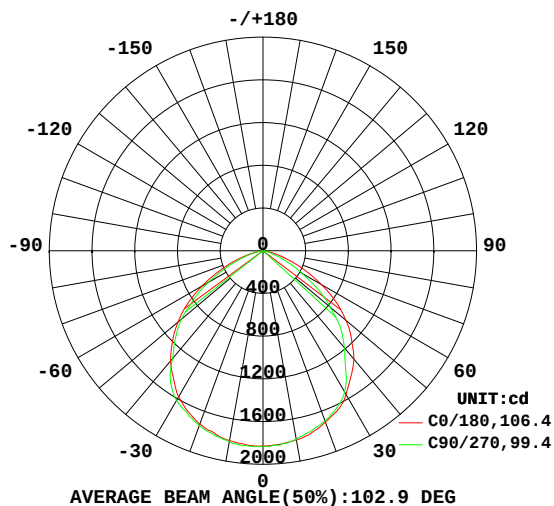


LUMINAIRE PHOTOMETRIC TEST REPORT

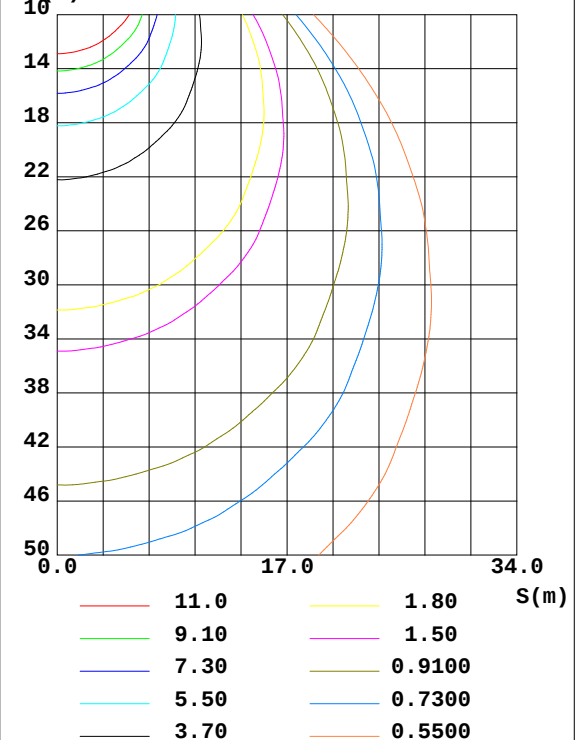
Test:U:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.74 lm/W			
MODEL	2835 168 4000K	I _{max} (cd)	1841	S/MH(C0/180)	1.28
NOMINAL POWER(W)	38	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	220-240	TOTAL FLUX(lm)	4508.7	η UP, DN(C0-180)	0.8, 47.0
NOMINAL FLUX(lm)	4508.72	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8, 51.4
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: 2025-06-26

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:

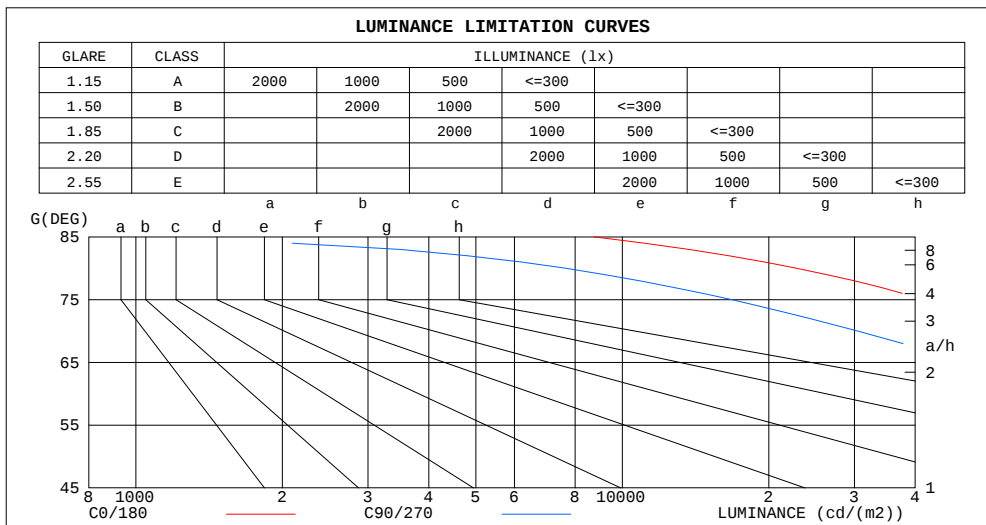
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1799	1801	1795	1802	1805	1811	1814	1811	0- 10	173.6	173.6	3.85, 3.85
20	1707	1696	1698	1696	1728	1737	1740	1738	10- 20	499.0	672.6	14.9, 14.9
30	1557	1545	1527	1553	1580	1598	1617	1595	20- 30	761.9	1435	31.8, 31.8
40	1324	1291	1186	1315	1347	1406	1319	1389	30- 40	909.6	2344	52, 52
50	1014	904.8	825.2	920.5	1040	1032	998.2	1035	40- 50	887.6	3232	71.7, 71.7
60	630.0	486.3	422.5	506.3	655.3	626.9	587.1	627.0	50- 60	694.9	3927	87.1, 87.1
70	262.9	169.8	124.8	179.8	283.8	252.6	226.9	250.7	60- 70	377.6	4304	95.5, 95.5
80	47.48	25.49	15.93	27.95	52.93	53.75	39.86	53.97	70- 80	121.0	4425	98.1, 98.1
90	1.331	1.312	1.170	1.285	1.462	1.085	0.9198	1.177	80- 90	13.48	4439	98.4, 98.4
100	3.442	3.373	3.084	3.309	3.568	2.750	2.382	2.938	90-100	2.223	4441	98.5, 98.5
110	6.996	6.845	6.468	6.780	7.148	5.833	5.245	6.118	100-110	4.917	4446	98.6, 98.6
120	11.07	10.97	10.67	10.97	11.44	9.872	9.187	10.23	110-120	8.376	4454	98.8, 98.8
130	14.78	14.79	14.77	14.92	15.32	13.89	13.34	14.21	120-130	11.22	4465	99, 99
140	17.67	17.94	18.41	18.16	18.31	17.31	17.07	17.46	130-140	12.48	4478	99.3, 99.3
150	19.88	20.35	21.07	20.70	20.70	20.27	20.03	20.33	140-150	11.98	4490	99.6, 99.6
160	21.85	22.22	23.01	22.63	22.59	22.25	22.49	22.17	150-160	9.882	4500	99.8, 99.8
170	23.63	24.26	24.58	24.56	24.28	24.26	24.01	23.94	160-170	6.583	4506	99.9, 99.9
180	25.40	26.17	25.56	25.98	25.40	26.17	25.55	25.94	170-180	2.368	4509	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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 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	8748	781
80	22785	7645
75	42024	16763
70	64050	30406
65	85690	49888
60	105002	70420
55	121184	91032
50	131433	106980
45	138280	121391

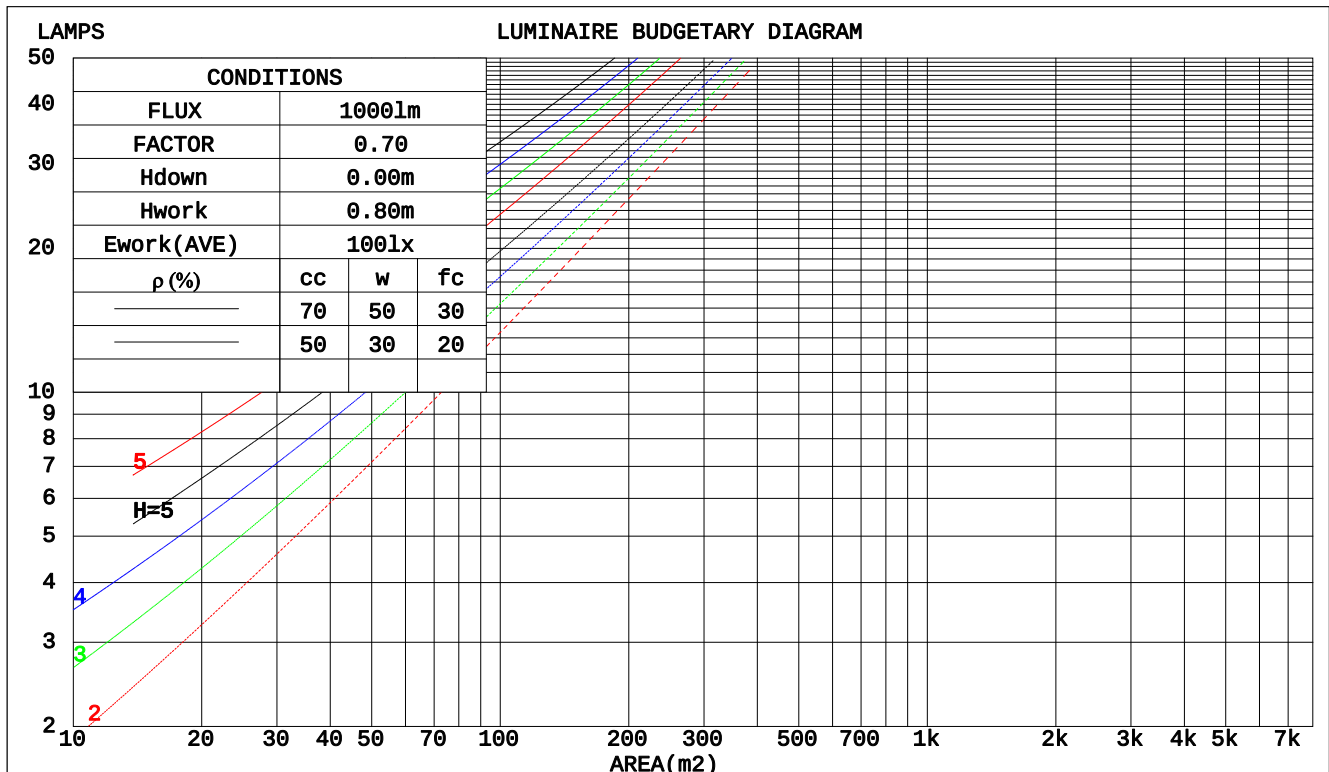
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25DEG
Operators:
Test Date: 2025-06-26

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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 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						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	1.04	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	.60	.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	.45	.56	.50	.45	.54	.49	.44	.43
7.0	.55	.47	.41	.54	.46	.41	.53	.46	.40	.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	.38	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.42	.37	.32	.31
10.0	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.39	.34	.29	.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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 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	.253	.144	.046	.239	.137	.044	.226	.130	.042	.214	.124	.040		
2.0	.254	.139	.043	.247	.136	.042	.235	.131	.041	.224	.126	.039	.213	.121	.038		
3.0	.241	.128	.038	.235	.126	.038	.224	.121	.037	.214	.117	.036	.205	.113	.035		
4.0	.226	.118	.035	.221	.116	.034	.212	.112	.034	.203	.109	.033	.194	.106	.032		
5.0	.212	.108	.031	.208	.107	.031	.199	.104	.031	.191	.101	.030	.184	.098	.030		
6.0	.199	.100	.029	.195	.098	.028	.187	.096	.028	.180	.094	.028	.174	.091	.027		
7.0	.187	.092	.026	.183	.091	.026	.176	.089	.026	.170	.087	.025	.164	.085	.025		
8.0	.176	.086	.024	.173	.085	.024	.166	.083	.024	.161	.081	.023	.155	.080	.023		
9.0	.166	.080	.022	.163	.079	.022	.157	.078	.022	.152	.076	.022	.147	.075	.022		
10.0	.157	.075	.021	.154	.074	.021	.149	.073	.021	.144	.072	.020	.140	.070	.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	.169	.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	.147	.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	.048	.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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 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	23.8	25.2	24.1	25.4	25.7	22.5	23.9	22.8	24.1	24.4	
	3H	24.5	25.8	24.8	26.0	26.3	22.8	24.0	23.1	24.3	24.6
	4H	24.6	25.8	24.9	26.1	26.3	22.7	23.9	23.1	24.2	24.5
	6H	24.6	25.7	24.9	26.0	26.3	22.7	23.8	23.0	24.1	24.4
	8H	24.5	25.6	24.9	25.9	26.2	22.6	23.7	23.0	24.0	24.3
	12H	24.5	25.5	24.9	25.8	26.2	22.6	23.6	22.9	23.9	24.2
4H	2H	23.9	25.2	24.3	25.4	25.7	22.8	24.0	23.2	24.3	24.6
	3H	24.7	25.7	25.1	26.0	26.4	23.2	24.2	23.5	24.5	24.8
	4H	24.8	25.8	25.2	26.1	26.5	23.2	24.1	23.6	24.4	24.8
	6H	24.9	25.7	25.3	26.1	26.5	23.1	23.9	23.5	24.3	24.7
	8H	24.8	25.6	25.3	26.0	26.4	23.1	23.8	23.5	24.2	24.6
	12H	24.8	25.5	25.2	25.9	26.3	23.0	23.7	23.5	24.1	24.5
8H	4H	24.8	25.5	25.2	25.9	26.3	23.1	23.9	23.6	24.3	24.7
	6H	24.8	25.4	25.3	25.9	26.3	23.1	23.7	23.5	24.1	24.6
	8H	24.8	25.3	25.3	25.8	26.3	23.0	23.6	23.5	24.0	24.5
	12H	24.8	25.2	25.3	25.7	26.2	23.0	23.5	23.5	23.9	24.5
12H	4H	24.7	25.4	25.2	25.8	26.3	23.1	23.8	23.5	24.2	24.6
	6H	24.8	25.3	25.3	25.8	26.3	23.1	23.6	23.5	24.1	24.5
	8H	24.8	25.2	25.3	25.7	26.2	23.0	23.5	23.5	24.0	24.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.4 / - 0.5					+ 0.7 / - 0.9					
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.6					
2.0H	+ 1.1 / - 1.4					+ 1.1 / - 1.7					

CIE Pub.117, 4509 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.2)
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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

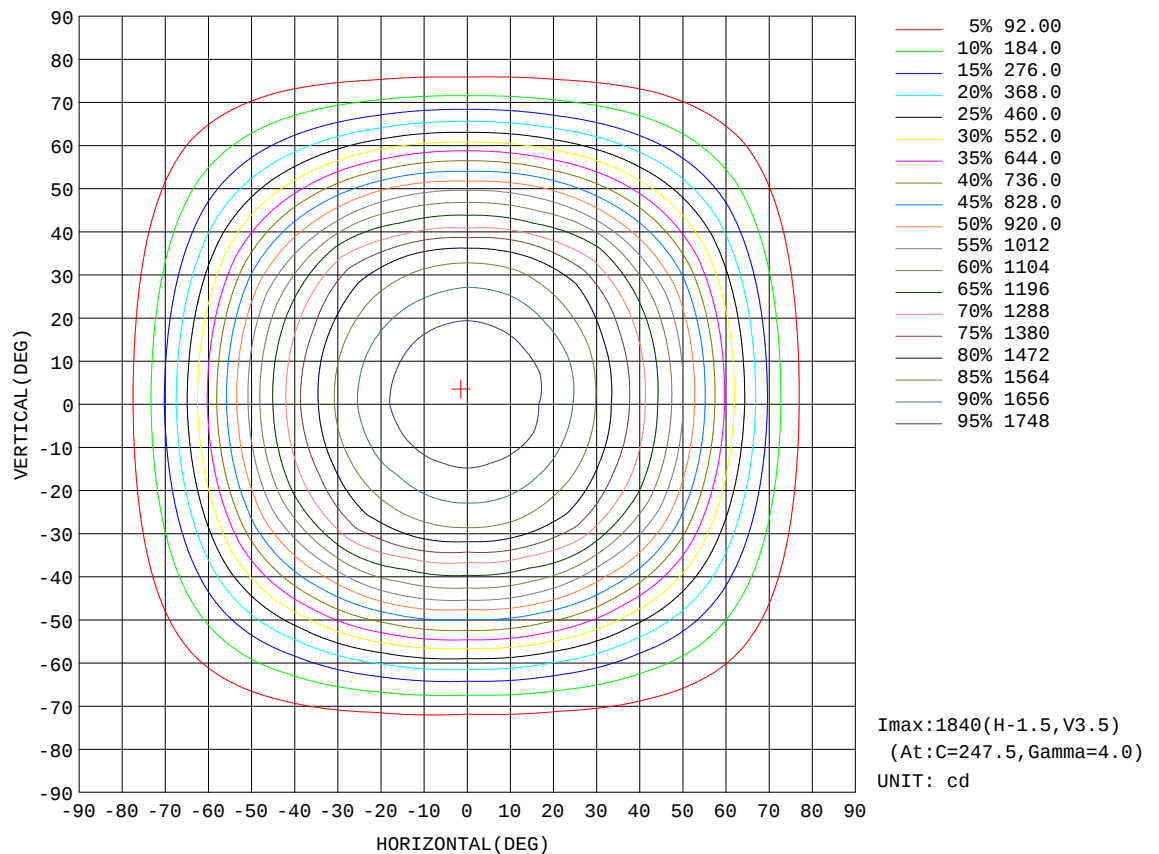
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	61	50	44	60	50	44	59	50	44	37
0.80	72	61	54	71	61	54	69	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	83	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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:



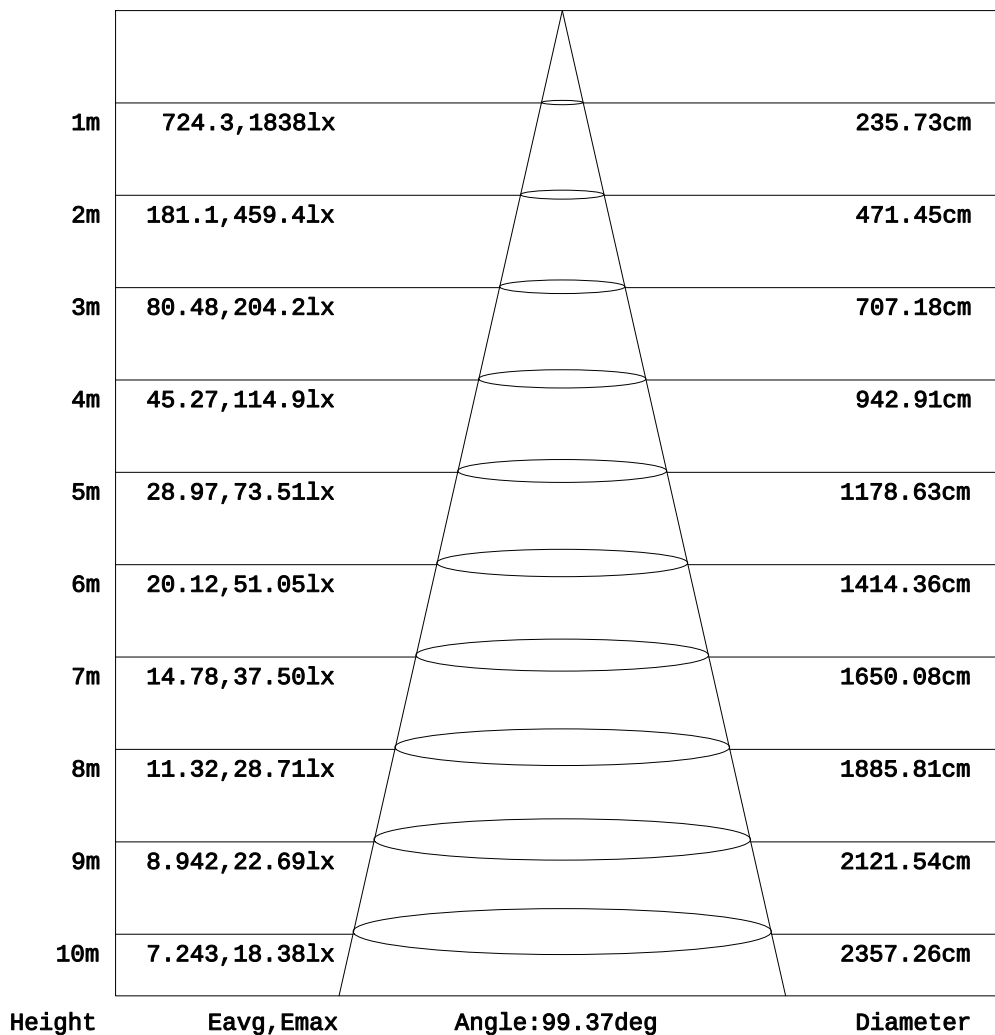
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25DEG
Operators:
Test Date:2025-06-26

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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

Flux out:3232 lm



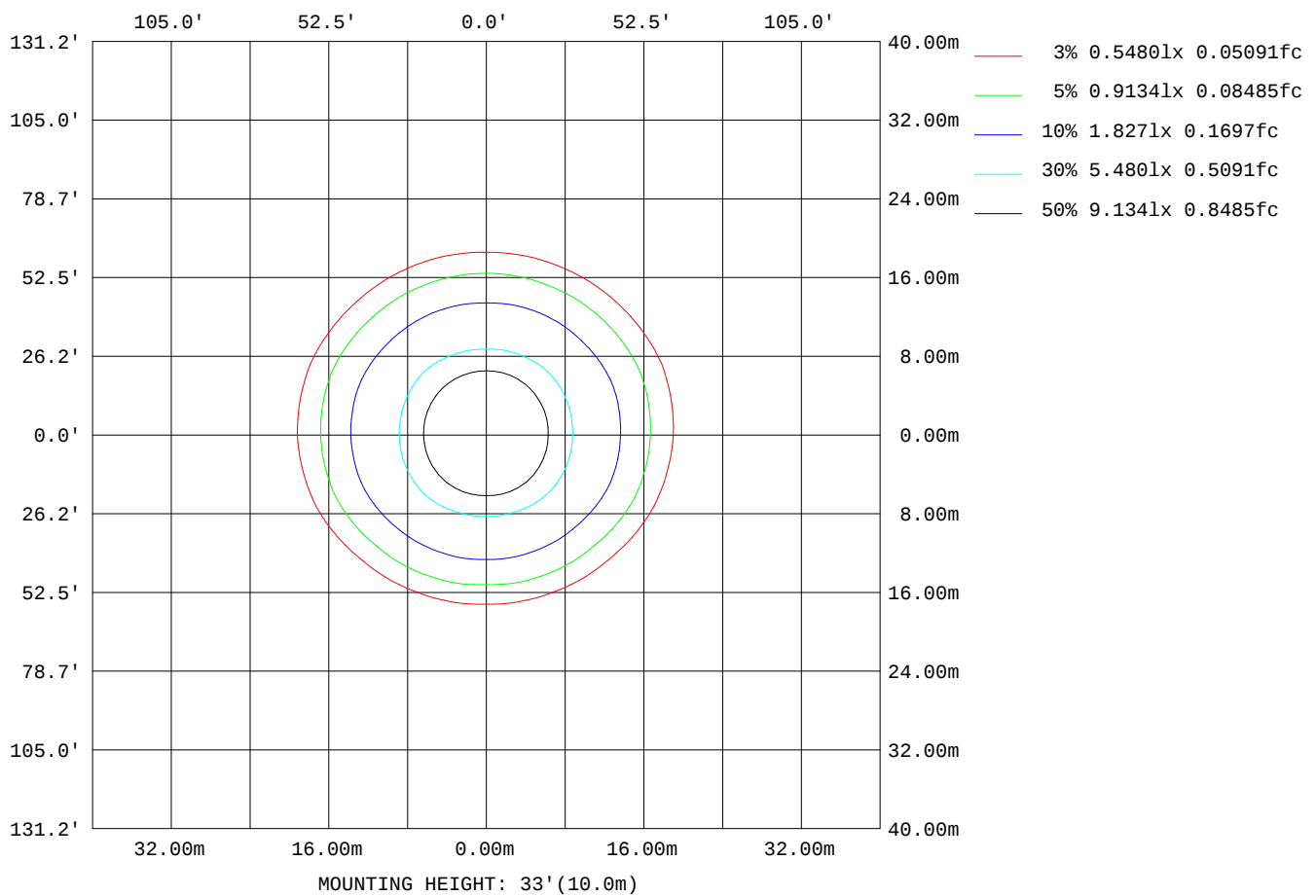
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 lm		
NAME: SFS009-BKTC3832S01	TYPE:	WEIGHT:
SPEC.: black RA80 3000K+5700K	DIM.:	SERIAL No.:
MFR.:	SUR.: 150*80mm	Shielding Angle:

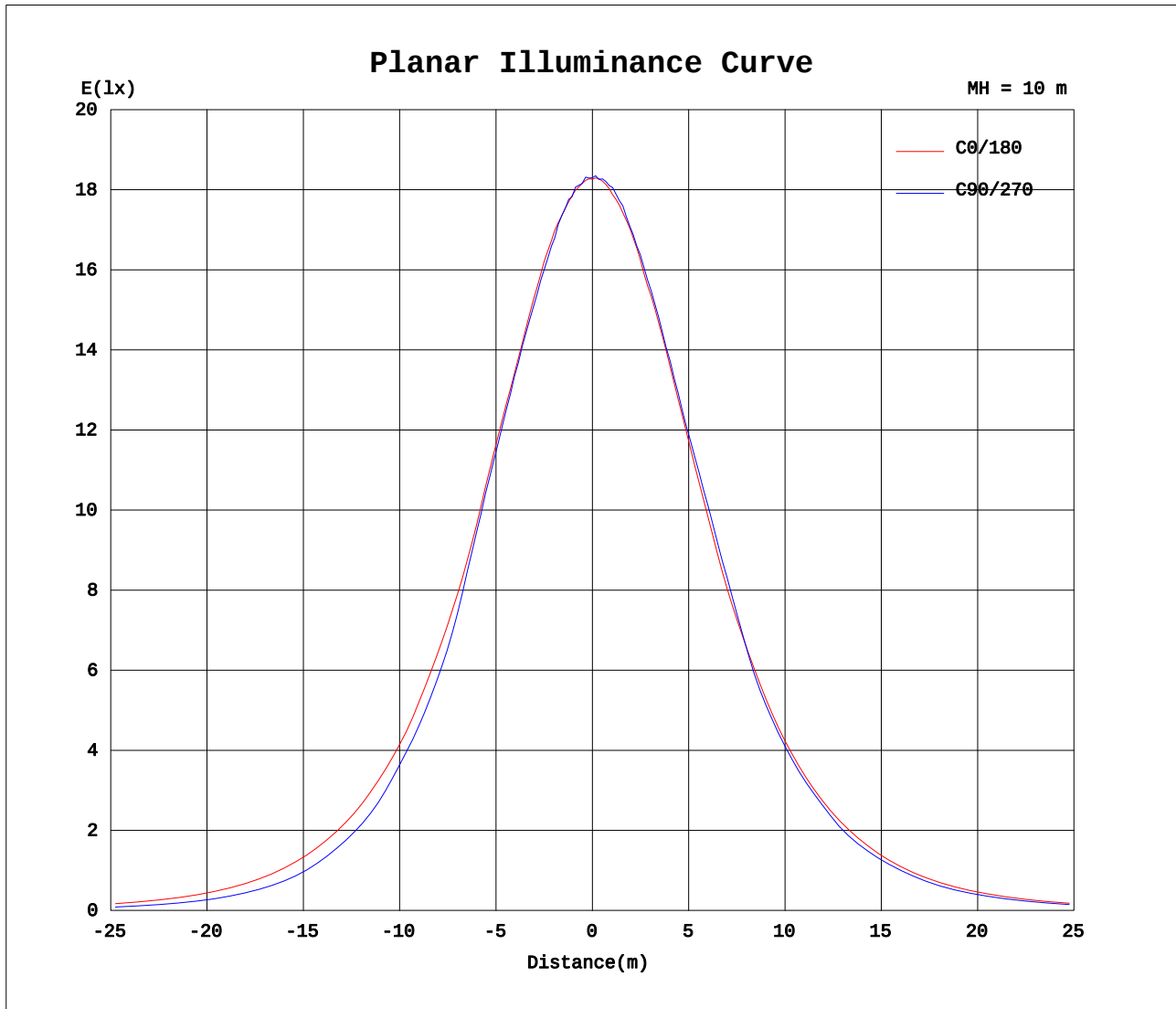
AvgL	cd/m2
L_0~180(65)av	87982
L_0~180(75)av	43925
L_0~180(85)av	9515
L_90~270(65)av	63215
L_90~270(75)av	25511
L_90~270(85)av	4800
L_45(65)av	71933
L_45(75)av	34733
L_45(85)av	7249

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:231.85V I:0.1580A P:35.858W PF:0.9788 Freq:49.99Hz Lamp Flux:4508.72x1 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	1827	1829	1829	1831	1830	1831	1832	1833	1827	1829	1829	1831	1830	1831	1832	1833			
5	1820	1823	1816	1825	1827	1824	1817	1834	1824	1829	1834	1831	1831	1829	1836	1824			
10	1799	1802	1801	1789	1795	1795	1802	1796	1805	1811	1811	1822	1814	1820	1811	1816			
15	1764	1763	1753	1744	1747	1745	1754	1765	1766	1778	1779	1788	1783	1781	1779	1782			
20	1707	1703	1696	1693	1698	1700	1696	1717	1728	1732	1737	1736	1740	1737	1738	1728			
25	1650	1638	1624	1625	1628	1626	1632	1643	1663	1665	1669	1675	1679	1676	1668	1668			
30	1557	1549	1545	1546	1527	1539	1553	1562	1580	1591	1598	1610	1617	1609	1595	1586			
35	1436	1429	1444	1394	1349	1402	1456	1439	1460	1486	1512	1516	1510	1516	1511	1462			
40	1324	1310	1291	1203	1186	1213	1315	1326	1347	1359	1406	1355	1319	1359	1389	1351			
45	1173	1159	1091	1046	1030	1056	1119	1180	1198	1223	1245	1174	1161	1170	1232	1205			
50	1014	994	905	852	825	865	920	1015	1040	1067	1032	1010	998	1009	1035	1054			
55	834	798	701	651	627	661	725	820	861	882	838	804	790	804	829	869			
60	630	579	486	440	423	450	506	609	655	673	627	602	587	596	627	662			
65	435	379	303	267	253	274	319	402	458	458	420	395	388	392	418	453			
70	263	219	170	138	125	144	180	235	284	279	253	233	227	232	251	275			
75	131	107	78.7	58.4	52.1	61.3	84.9	116	142	145	135	114	106	115	133	142			
80	47.5	40.5	25.5	18.3	15.9	19.1	28.0	44.2	52.9	61.1	53.8	42.9	39.9	43.6	54.0	58.5			
85	9.15	7.16	2.95	1.24	0.82	1.46	3.41	8.36	10.8	15.0	11.8	9.73	9.22	9.83	12.2	14.8			
90	1.33	1.41	1.31	1.25	1.17	1.23	1.28	1.38	1.46	1.25	1.09	0.92	0.92	0.98	1.18	1.36			
95	2.18	2.27	2.16	2.02	1.93	1.99	2.10	2.22	2.31	2.04	1.74	1.51	1.51	1.58	1.89	2.18			
100	3.44	3.52	3.37	3.19	3.08	3.14	3.31	3.45	3.57	3.18	2.75	2.43	2.38	2.54	2.94	3.39			
105	5.08	5.15	4.95	4.73	4.62	4.67	4.88	5.08	5.21	4.70	4.12	3.72	3.64	3.85	4.35	4.96			
110	7.00	7.05	6.84	6.56	6.47	6.50	6.78	7.00	7.15	6.52	5.83	5.34	5.25	5.53	6.12	6.86			
115	9.07	9.10	8.90	8.60	8.53	8.54	8.87	9.09	9.29	8.58	7.79	7.25	7.14	7.45	8.14	8.96			
120	11.1	11.1	11.0	10.7	10.7	10.7	11.0	11.2	11.4	10.7	9.87	9.31	9.19	9.52	10.2	11.1			
125	13.1	13.0	12.9	12.7	12.7	12.7	13.0	13.2	13.5	12.7	11.9	11.4	11.3	11.6	12.3	13.1			
130	14.8	14.7	14.8	14.6	14.8	14.7	14.9	15.0	15.3	14.6	13.9	13.3	13.3	13.5	14.2	14.9			
135	16.3	16.3	16.5	16.4	16.6	16.5	16.7	16.6	16.9	16.3	15.7	15.2	15.2	15.4	15.9	16.5			
140	17.7	17.7	17.9	18.1	18.4	18.2	18.2	18.1	18.3	17.8	17.3	17.0	17.1	17.2	17.5	17.9			
145	18.8	18.8	19.2	19.5	20.0	19.6	19.5	19.4	19.5	19.1	18.8	18.6	18.8	18.6	18.9	19.1			
150	19.9	19.9	20.4	20.6	21.1	20.7	20.7	20.6	20.7	20.2	20.3	19.9	20.0	19.9	20.3	20.1			
155	20.8	21.0	21.3	21.8	22.0	21.9	21.7	21.7	21.8	21.3	21.3	21.3	21.4	21.3	21.3	21.1			
160	21.8	21.9	22.2	22.8	23.0	22.9	22.6	22.8	22.6	22.3	22.2	22.4	22.5	22.3	22.2	22.0			
165	22.8	22.8	23.2	23.7	23.8	23.7	23.6	23.7	23.5	23.4	23.2	23.3	23.3	23.2	23.0	23.0			
170	23.6	23.8	24.3	24.7	24.6	24.5	24.6	24.7	24.3	24.6	24.3	24.0	24.0	24.0	23.9	24.0			
175	24.5	24.8	25.4	25.4	25.0	25.1	25.5	25.5	24.9	25.4	25.5	25.0	24.7	24.9	25.1	25.0			
180	25.4	25.6	26.2	25.8	25.6	25.6	26.0	25.7	25.4	25.7	26.2	25.7	25.6	25.6	25.9	25.7			

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